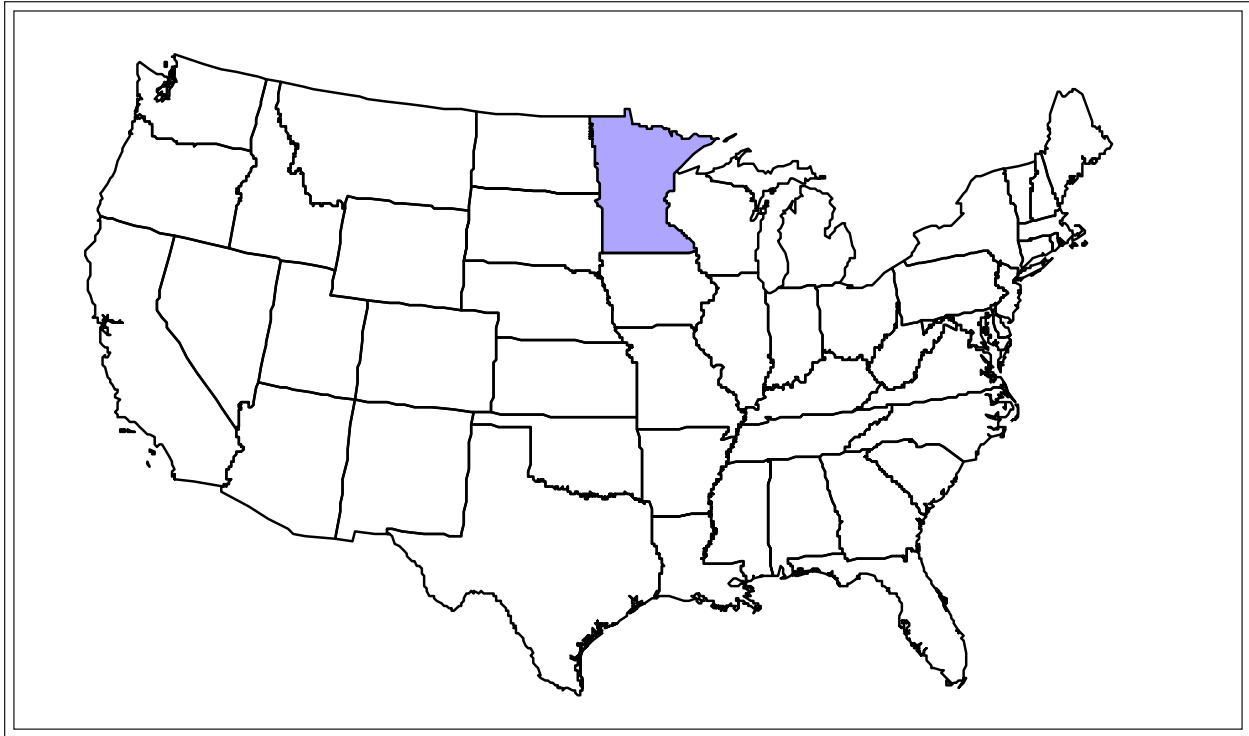


**2004 OUTDOOR RECREATION
PARTICIPATION SURVEY
OF MINNESOTANS
REPORT ON FINDINGS**



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REPORT ON FINDINGS



The 2004 Outdoor Recreation Participation Survey of Minnesotans was funded by the Legislative Commission on Minnesota Resources with an allocation of Land and Water Conservation Funds

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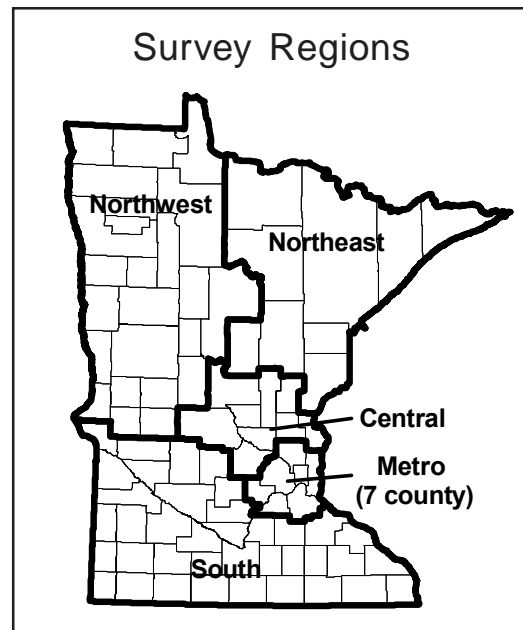
SUMMARY

INTRODUCTION

The most recent State Comprehensive Outdoor Recreation Plan identified the need to better understand the changing nature of outdoor recreation in Minnesota. To meet this need, three efforts are underway, and one is planned for future funding. The first effort—which is the topic of this document—is the collection of primary information on the outdoor recreation patterns of adult Minnesotans. The second effort is an analysis of existing information sources to delineate recent trends in recreation participation (e.g., trends in fishing licenses, watercraft registrations, and park attendance). The third effort is to determine—from providers—the recreation facility needs of cities, counties and school districts in the state. The fourth effort—which is planned for future funding—is to determine the recreation facility and program needs of the general Minnesota population directly from that population.

To collect data from adult Minnesotans on their outdoor recreation participation, a mail survey was conducted in March 2004, near the close of the winter recreation season. The mail-survey sample of 4400 Minnesotans was allocated to five regions, with 1200 allocated to the Twin Cities metropolitan area and 800 to each of the four non-metropolitan regions. This regional stratification is intended to produce region-specific results. The mail survey achieved nearly a 60 percent overall return rate after three mailings. Because the response rate was not higher (not above 70 percent), a non-respondent telephone survey was conducted to evaluate nonresponse bias.

The results of the nonresponse bias survey, along with statistics on demographic characteristics important to outdoor recreation participation, were used to adjust—through sample weighting—the mail survey responses. Sample weighting creates a better representation of the outdoor recreation patterns of adult Minnesotans. The demographic characteristics used for sample weighting are age, gender, and region of the state.



SURVEY RESULTS

Importance of outdoor recreation in people's lives

Outdoor recreation is an important component of the lives of most Minnesotans. Nearly 60 percent (57%) indicate that outdoor recreation is “very important” to their life, while another 25 percent

indicate it is “moderately important”. The remainder—comprising nearly one in five Minnesota adults (18%)—believe outdoor recreation is of little importance.

Reasons people recreate outdoors

Outdoor recreators have numerous reasons (or motivations) for going outdoors. Foremost among them is, simply, to enjoy nature. Next in the ranking is exercise and feeling healthier, which reflects a traditional association between recreation and a healthy lifestyle. Outdoor recreation is frequently a means to build bonds with family and friends, and the social affiliation aspects of recreation are ranked highly. Recreation is also commonly used as a means to escape the pressures of modern life, to experience some silence and quiet. Other reasons (such as learning and exploring) are important to sizable groups of Minnesotans. The lowest ranked reason was to meet new people.

Barriers to recreation participation

Just as people have reasons for recreating outdoor, they have reasons for *not* recreating outdoors. These latter reasons are known as barriers. For Minnesota adults, the leading barrier is time. People simply do not have enough time to participate more. This is closely followed by outdoor pests, a common concern in “Minnesota—land of 10,000 lakes”, otherwise known as the land of poor drainage, which is prime habitat for outdoor pests. The next most frequently indicated barrier—much less prevalent than the leading two—is cost and effort. To participate in recreation costs money and requires bearing at least the cost and effort of travel. This is followed by the barrier of not having a companion to recreate with. As noted above, one of the leading reasons people recreate outdoors is to be with family and friends. Lack of a companion is a definite deterrent to participation, and is one of the leading barriers for people in single-person households. The only other potential barrier indicated by at least one-quarter of adults is crowding in outdoor recreation areas, which is indicated by 26 percent of adults. It is noteworthy that the “lack of interests in outdoor recreation” barrier was indicated by few Minnesota adults (12%).

Recreation participation and use by activity

The leading activity for Minnesota adults—in terms of the number that participate annually—is walking/hiking outdoors for exercise or pleasure (54% of adults participate annually). This is followed by recreational boating, which can be presented in a variety of ways, depending on whether fishing is included and whether motorized and non-motorized boating are combined. Swimming is next, and is lead by swimming in a lake or stream. Fishing is participated in annually by 30 percent of Minnesota adults and hunting by 16 percent, two figures that correspond well with current license sales.

Winter activities, as a rule, have lower participation rates than summer activities. Minnesotans may have a hearty wintertime outdoor image of themselves, but they tend to stay indoors when the cold days and long nights set in.

A second way to view the magnitude of an activity is the amount of time people spend in the activity. In terms of hours of activity participation, walking/hiking is the leading activity among Minnesota adults. This is followed by boating, nature observation, fishing, swimming and hunting, all water-based and wildlife-related activities that Minnesotans have a well-deserved reputation for being highly engaged in.

Demographic patterns of recreation use

Recreation participation and use—either by activity or in an overall sense—varies by age, gender, population density, and other population groupings. In this section, recreation patterns are examined by the following standard demographic breakdowns: population density of residence (urban to rural continuum), region in Minnesota, age class, gender, race/ethnicity, educational attainment, household income, and household size.

For each demographic breakdown, overall involvement in outdoor recreation is described first (“overall involvement” is total annual recreation hours per capita in the demographic breakdown). Next, the long-term trend in the demographic characteristic is presented, and the implications of the trend for overall recreation involvement are discussed. Finally, each activity is classified according to its association with the demographic characteristic, and the implications of the long-term trend for activities are discussed (refer to the main body of this report for detailed information on these activity associations).

The majority of demographic characteristics have overall recreation involvement patterns in 2004 that—when coupled with trends in that demographic characteristic—are likely to lead to lower recreation use per capita:

Summary table: Recreation use trends associated with demographic characteristics and trends		
<u>Associated recreation use trend</u>	<u>Demographic characteristic</u>	<u>Demographic trend</u>
<i>Less use</i>		
Less overall use per capita	Population density of residence (urban-rural)	Increasing urban
Less overall use per capita	Region of Minnesota	Increasing metro area/urban
Less overall use per capita	Age class	Increasing age
Less overall use per capita	Race/ethnicity	More non-white and/or Hispanic
Less overall use per capita	Household size	Smaller sizes
<i>No effect on use</i>		
Neutral	Gender	Neutral
<i>More use</i>		
More overall use per capita	Education	More formal education
More overall use per capita	Household Income	Higher incomes

● *Population density of residence (urban to rural continuum)*: Minnesotans who live in more rural settings (lower population density) recreate more outdoors than their urban counterparts, who live at higher densities. The trend in Minnesota (as elsewhere in the nation) is toward an increasing urban population. Over the last 100 years, almost all new additions to the Minnesota population have been urban additions. A continuation of this trend—coupled with the pattern of recreation use by population density—would push per-capita recreation use down in the state.

● *Region in Minnesota*: Most of the discussion of region is redundant with the preceding population density discussion. Minnesotans who live in the high-density Metro area recreate less outdoors than those in lower-density rural regions. The regional population trend in Minnesota shows most of the increase over many decades occurring in the metro area, and more recently occurring in the Central Region to the north and west of the Metro Region. Three regions (South, Northeast and Northwest) have shown little growth over the last 40 years. A continuation of this trend—coupled with the pattern of recreation use by region—would push per-capita recreation use down in the state.

● *Age Class*: Older adults (especially those aged 65+) recreate substantially less overall than younger adults. The age trend in the state is toward an older population over the last 30 years. A continuation of this trend—coupled with the pattern of recreation use by age class—would push per-capita recreation use down in the state.

In 2004, recreation hours per capita increased successively from age class 65+ to each younger age class, excepting the youngest adult class (age 20 to 34), which was lower than the next highest class (age 35 to 44). In contrast, in the past (mid 1980s), the per-capita hour increase continued into the youngest class. Whether this pattern change is real cannot be firmly established from available information, but there are pieces of information that lend credence to the idea that young adults are not as involved in recreation as they used to be. For wildlife-associated recreation (fishing, hunting and wildlife watching) national surveys from 1991 to 2001 have shown that the participation decreases of youngest adults were quite rapid compared with older adults. The participation decreases from 1991 to 2001 were steep enough to shift the participation peak out of the youngest age classes to high age classes, producing a similar age-class pattern change as *may* have occurred in Minnesota for overall outdoor recreation involvement. If nothing else, these parallel changes fuel speculation, and raise seminal questions about the changing nature of recreation involvement by age class in the state.

● *Gender*: Men recreate more overall than women. Since the population trend is not toward a greater portion of one gender compared with the other, the trend produces no change in per-capita recreation use.

● *Race/ethnicity*: White, non-Hispanic Minnesotans recreate more overall than non-white and/or Hispanic Minnesotans. The grouping of “non-white and/or Hispanic” cannot be broken down any further in this study due to sample size limitations. Outdoor recreation—as a general rule—is a “middle America” pursuit and any demographic grouping near the margins of “middle America” will exhibit less overall involvement in recreation. This tends to be true for race, ethnicity, education, and income.

The trend in Minnesota (as elsewhere in the nation) is to greater racial and ethnic diversity in the population. A continuation of this trend—coupled with the pattern of recreation use by race/ethnicity—would push per-capita recreation use down in the state.

● *Educational attainment*: Lower education attainment is associated with less overall involvement in outdoor recreation. The trend in Minnesota (as elsewhere in the nation) is to higher educational attainment in the population. A continuation of this trend—coupled with the pattern of recreation use by educational attainment—would push per-capita recreation use up in the state.

● *Household income*: Lower household income is associated with less overall involvement in outdoor recreation. The trend in Minnesota is to higher household incomes. A continuation of this trend—coupled with the pattern of recreation use by income class—would push per-capita recreation use up in the state.

● *Household size*: Minnesotans in small households—especially one-person households—recreate less overall. Recreation is a social activity, and not having a companion to recreate with is a major barrier for people living alone. The trend in Minnesota is to more single-person households, and smaller households in general. A continuation of this trend—coupled with the pattern of recreation use by household size—would push per-capita recreation use down in the state.

Demographic clusters of activities

Certain activities share similar demographic profiles. To examine which activities have similar demographic profiles, all 32 activities were entered into hierarchical cluster analysis. Four activity clusters resulted: (1) hunting and motorized trail activities, (2) passive recreation and learning-related activities, (3) active recreation activities, and (4) boating/fishing/camping/golfing activities, for lack of a better descriptor .

The “hunting and motorized trail activities” cluster contains 10 percent of all recreation by Minnesota adults, and has the following distinctive demographics: more rural, more male, less formal education, more middle income, and larger households. To illustrate some of these distinctive demographics, rural men invest 21 percent of their total recreation time on activities in this cluster, while urban women invest 1 percent. The activities in this cluster are big-game and small-game hunting, snowmobiling, and ATV driving.

The “passive recreation and learning-related activities” cluster contains 40 percent of all recreation by Minnesota adults, and has the following distinctive demographics: older, more female, and smaller households. To illustrate some of these distinctive demographics, older women (aged 65+) invest 77 percent of their total recreation time on activities in this cluster, while younger men (aged 20 to 35) invest 23 percent. The activities in this cluster include walking/hiking, nature observation, and visiting nature centers, historic/archaeological sites and outdoor zoos.

The “active recreation activities” cluster contains 26 percent of all recreation by Minnesota adults, and has the following distinctive demographics: younger, more urban, and more formal education. To illustrate some of these distinctive demographics, younger urban dwellers (aged 20 to 45 in

highest population density class) invest 40 percent of their total recreation time on activities in this cluster, while older rural dwellers (aged 55+ in lowest population density class) invest 11 percent. The activities in this cluster include swimming, biking, running/jogging, outdoor field/court sports, tent camping, inline skating, non-motorized boating, and downhill skiing/snowboarding.

The “boating/fishing/camping/golfing activities” cluster contains 24 percent of all recreation by Minnesota adults, and has the following distinctive demographics: less urban and more male. To illustrate some of these distinctive demographics, rural men (lowest population density class) invest 30 percent of their total recreation time on activities in this cluster, while urban women (highest population density class) invest 11 percent. The activities in this cluster are motor boating, fishing, camper-vehicle camping, and golfing.

Geographic patterns of recreation use

Most of Minnesotan’s outdoor recreation occurs near home and within the state. Just under 70 percent (67%) of all recreation use (hours) is within a half-hour drive of home, and nearly 90 percent (89%) occurs in Minnesota. The relatively local (near-home) nature of outdoor recreation means that local Minnesota providers bear a large responsibility for providing facilities and services for the Minnesota population.

Certain activities are more locally-based than others. Activities such as ice skating, running/jogging and inline skating have over 90 percent of their recreation time within a half-hour of home. At the other extreme, are the activities for which Minnesotans (and other Midwest residents) travel away from home. These activities form the backbone of Minnesota’s outdoor recreation tourism industry, much of which is water-based (e.g., boating, fishing, swimming) or otherwise water-related (e.g., camping).

It is important to note that certain activities are large in both the near-home and away-from-home markets. Water-based activities (fishing, boating, swimming) are prime examples, as is walking/hiking, nature observation/photography and hunting. Providing opportunities for such activities tends to be the responsibility of many levels of government and the private sector.

The predominately near-home nature of recreation use is evident in origin-destination relationships. Most of the recreation use that originates in a region occurs in the same region. For the two northern regions, over 80 percent occurs within the region where it originates. The Southern and Central region have between 70 and 80 percent of use occurring within the origin region, while the Metro Region is the lowest at 65 percent. The Metro, Southern and Central Region have inter-regional flows directed primarily to the two northern regions and out of state. The two northern regions have inter-regional flows directed primarily between themselves and out of state.

Because of these origin-destination patterns, the two northern regions import a large portion of their Minnesota-originated recreation use. The flow of recreation use between Minnesota regions is accompanied by the flow of recreation-related spending, which creates economic impacts (e.g., income, jobs) in the regions where the recreation takes place. In Minnesota, there is a general south-to-north flow of recreation use and spending, driven primarily by the flow from the Metro

Region to the two northern regions. Additionally, Minnesota regions receive recreation use and associated spending from non-Minnesotans. The large majority of non-resident use and spending occurs in the two northern regions, which provide attractive lake-forest recreation settings for non-residents and Minnesotans alike.

Participation changes over last five years

To gauge outdoor recreation participation changes, the survey asked Minnesota adults two questions. One question concerned changes in overall recreation involvement, and the other concerned new activities taken up. Both questions were asked over the last five years, the time interval between planned survey repetitions. A “new activity” is any activity the respondent reported as “new”, and could be a very specific activity (e.g., wild turkey hunting) or a broad activity (e.g., hunting). The description of the new activity was hand written by the respondent, and was classified as part of the survey analysis.

In terms of overall recreation involvement, the largest group of Minnesotans (46%) report that their number of recreation days has stayed about the same over the last five years. More report increases than decreases in recreation days over the five-year period. It should be emphasized that these participation changes are “reported” (or “perceived”) changes, and may or may not have actually occurred.

In terms of new activities, less than one-third of Minnesota adults (28%) reported taking up a new activity in the last five years, meaning that the large majority did not take up anything new. Most Minnesotans, it appears, do not regularly adopt new outdoor activities.

A person’s likelihood of taking up a new activity and of reporting an increase in recreation over the last five years are related to their overall involvement in recreation. In other words, those who are currently more involved in recreation are the most likely to have taken up new activities and to have increased their involvement.

The most common type of new activity taken up around the state is recreational boating, which accounts for about 10 percent of all new activities reported. Boating is followed by biking, camping, off-road driving (mainly ATV), and fishing. It is important to note here that the “new activity” reported could represent a new participant in that activity or an existing participant who took up a different form of the activity (the survey results cannot separate a new participant from an existing participant). For example, some of the new boating participants are totally new to recreational boating, while others were existing boaters who took up a different type of boating (e.g., an existing motorboater who takes up kayaking).

INTRODUCTION

The most recent State Comprehensive Outdoor Recreation Plan identified the need to better understand the changing nature of outdoor recreation in Minnesota (Reference 1). To meet this need, three efforts are underway, and one is planned for future funding. The first effort—which is the topic of this document—is the collection of primary information on the outdoor recreation patterns of adult Minnesotans. Data collection for this effort commenced in March 2004. To permit trend analysis, such data collection will be repeated using a consistent methodology every five years. Short-term recreation forecasts will be one product of the effort.

The second effort is an analysis of existing information sources to delineate recent trends in recreation participation (e.g., trends in fishing licenses, watercraft registrations, and park attendance). One report—on wildlife-related recreation (fishing, hunting, wildlife observation) and recreational boating—has been completed (Reference 2), and a few others are planned. This effort assembles information that assists with short-term recreation forecasting.

The third effort is to determine—from providers—the recreation facility needs of cities, counties and school districts in the state. Similar to the first effort, this effort will establish a cost-effective methodology that can be replicated every 5 years, so trends can be established, and short-term forecasts made.

The fourth effort is to determine the recreation facility and program needs of the general Minnesota population directly from that population. This will be a companion to the third effort. Work on this effort will commence once funding is certain.

Funding for all of these efforts is from the Land and Water Conservation Fund, as allocated by the Legislative Commission on Minnesota Resources.

The scoping and planning of these four efforts was done by a work team, which continues to meet on an ad hoc basis as the efforts progress:

Current members:

Dorian Grilley, Parks & Trails Council of Minnesota

Tim Kelly, MN DNR

Emmett Mullin, MN DNR

Jon Nauman, Three Rivers Park District
Wayne Sames, MN DNR
Ron Sushak, MN DNR
Jonathan Vlaming, Metropolitan Council

Past members:

John Schneider, Metropolitan State University
Colleen Tollefson, Office of Tourism

This report on the findings of the 2004 participation survey will focus primarily on the current status of outdoor recreation. The information in the report will form one basis for a subsequent report in 2005 on short-term forecasts of outdoor recreation in Minnesota.

After a brief discussion of methodology, the findings on the current status of recreation will be organized as follows:

Global topics:

- Importance of outdoor recreation in people's lives
- Reasons for recreating outdoors
- Barriers to recreating outdoors

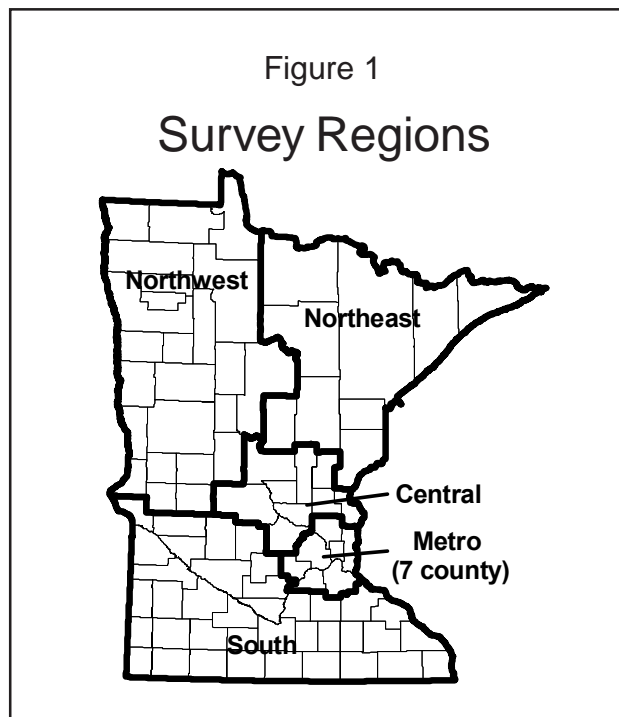
Particular topics:

- Participation in outdoor recreation by activity
- Demographic patterns of outdoor recreation involvement by:
 - Population density of residence (urban to rural continuum)
 - Region in Minnesota
 - Age class
 - Gender
 - Race/ethnicity
 - Educational attainment
 - Household income
 - Household size
- Clusters of activities that share similar demographic patterns
- Geographic patterns of recreation use (use and activity patterns relative to distance from home and location in Minnesota)
- Participation changes over last five years (new activities taken up and perceived trends in personal recreational involvement)

METHODOLOGY

A detailed methodological report is available for this survey (Reference 3). A brief summary is provided below.

To collect data from adult Minnesotans on their outdoor recreation participation, a mail survey was conducted beginning in March 2004, near the close of the winter recreation season. The mail-survey sample of 4400 Minnesotans was allocated to five regions, with 1200 allocated to the Twin Cities metropolitan area (seven-county region) and 800 to each of the four non-metropolitan regions (Figure 1). This regional stratification is intended to produce region-specific results. Sampling within each region was proportional to the population of regional zip codes. The regions are the four DNR regions, with the Central DNR region broken into the seven county Twin Cities metropolitan and the balance of the Central Region. The Twin Cities metropolitan area contains half of the Minnesota population and is covered by the regional governmental agency (Metropolitan Council) that has outdoor recreation functions.



The mail survey achieved nearly a 60 percent overall return rate after three mailings. The return rate varied from a low of 52 percent in the Twin Cities metro area to a high of 61 percent in the Northwest and Central regions of the state. The return rates are near expectations for an effort such as this.

Because the response rate was not higher (not above 70 percent), a non-respondent telephone survey was conducted to evaluate nonresponse bias. The telephone survey was conducted by the Minnesota Center for Survey Research (MCSR) at the University of Minnesota during May and June of 2004. The telephone survey was stratified by the same regions as the mail survey. Overall, 500 interviews were completed, with approximately 140 completions in the Twin

Cities metropolitan area (seven-county region) and 90 in each of the four non-metropolitan regions.

As expected, people who did not respond to the mail survey participated less in outdoor recreation than those that did. This finding is used to reduce non-respondent bias in the final results.

As noted immediately above, the mail survey returns are biased towards Minnesotans who participate more in outdoor recreation. In addition, the survey returns are not proportional to the demographics of the state. For example, the regions of the state were not sampled proportional to population (by design), and the survey returns are more male than the Minnesota population (for other reasons, and not by design). To reduce these forms of bias, the survey returns are differentially weighted by known demographic statistics and by involvement in outdoor recreation as obtained from the mail and non-respondent telephone surveys. This weighting ensures that the results are more representative of the outdoor recreation patterns in the Minnesota population.

The demographic characteristics used for sample weighting are age and gender—two characteristics that have a large influence on overall recreation involvement and specific recreation activities—and region of the state (demographics are from the 2000 U.S. Census—Reference 4). Sample weighting occurs by five age classes (20 to 34 years old, 34 to 44, 45 to 54, 55 to 64, and 65 years and older), by gender (male and female), and by region (the five regions on Figure 1).

After sample weighting, the Minnesota population is relatively well described in terms of standard demographic breakdowns, but there are shortcomings. Because the sample was “fit” through sample weighting to region, age, and gender, these demographic groupings are the same as the Minnesota population. For those that were not fit in such a fashion, the weighted sample represents residential population density (urban/rural) rather well; it is under-representative of non-white and/or Hispanic individuals; it is under-representative of lower income Minnesotans, but the median income is represented well; it is under-representative of lower formal education groups, and is over-representative of higher education groups; and it is roughly representative of household size.

The population groupings that are under-represented tend to have lower involvement in outdoor recreation than the other groupings. Thus, interest in the

topic of the survey is one probable reason for the under-representation. Additional probable reasons are literacy and language. The survey is a written piece that is written in English and may not easy/possible to read for all Minnesotans.

Overall, the bulk of the Minnesota population is represented well in the survey, but there are definite problems that would likely require different (and probably more costly) data-collection techniques that this technique to overcome. Since most of the under-represented population groupings have lower outdoor recreation involvement, the survey will over-represent Minnesotan's recreation. Rough estimates place the over-representation near 5 percent for total outdoor recreation involvement (total annual recreation hours or days).

The recall period in the survey for activity participation and days was one year, a length that is known to produce a high bias to the number of participants and their days of participation (Reference 5). This recall effect is of major concern when stand-alone quantities are produced from the annual-recall survey (e.g., number of anglers, or number of fishing days). It is much less of a concern when survey estimates are compared to each other (e.g., number of anglers compared to number of hunters), because the recall effect is relatively uniform and tends to cancel out. To deal with the high-bias in the annual recall, the participant and activity day estimates were roughly corrected using a bulk-adjustment factor. Performing this adjustment, although admittedly crude, is judged superior to publishing unrealistically high estimates. The adjustment produces more accurate results for known fishing and hunting and hunting quantities, and is generally believed to produce more credible results across all activities (see the detailed methodological document—Reference 3—for more discussion of this topic).

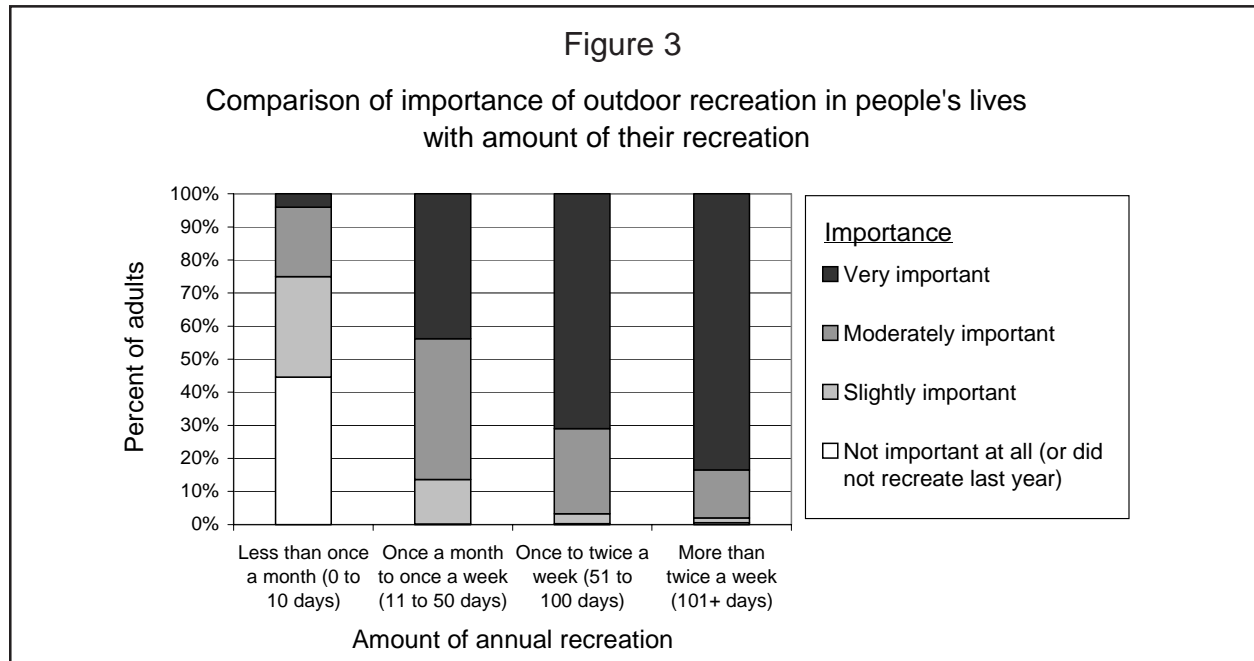
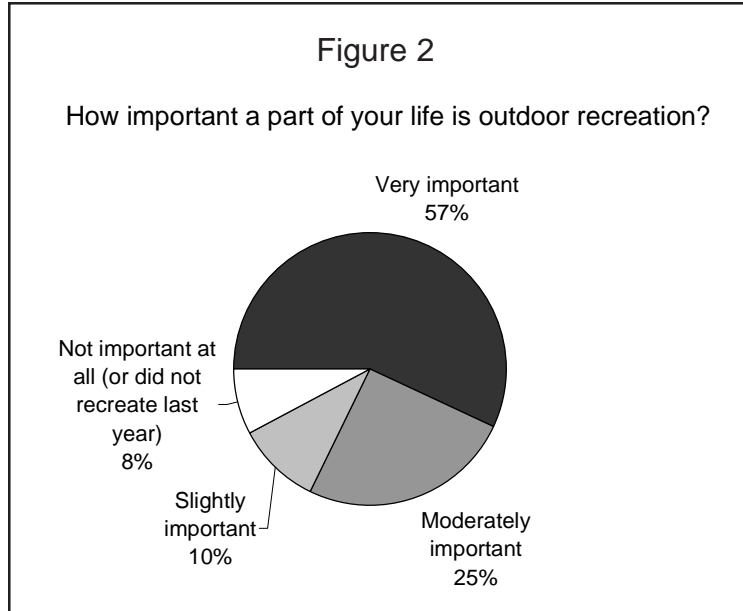
SURVEY RESULTS

IMPORTANCE OF OUTDOOR RECREATION IN PEOPLE’S LIVES

Outdoor recreation is an important component of the lives of most Minnesotans. Nearly 60 percent (57%) indicate that outdoor recreation is “very important” to their life, while another 25 percent indicate it is “moderately important” (Figure 2). The remainder—

comprising nearly one in five Minnesota adults (18%)—believe outdoor recreation is of little importance.

Not surprisingly, the Minnesotans who believe outdoor recreation is of little importance to their lives, invest little time actually recreating outdoors (Figure 3). As a rule, the more importance people ascribe to recreation, the more time they spend on recreation pursuits.



REASONS PEOPLE RECREATE OUTDOORS

Outdoor recreators have numerous reasons (or motivations) for going outdoors. Foremost among them is, simply, to enjoy nature (Table 1). Next in the ranking is exercise and feeling healthier, which reflects a traditional association between recreation and a healthy lifestyle. Outdoor recreation is frequently a means to build bonds with family and friends, and the social affiliation aspects of recreation are ranked highly. Recreation is also commonly used as a means to escape the pressures of modern life, to experience some silence and quiet. Other reasons (such as learning and exploring) are evident in Table 1 and they are important to many Minnesotans. The lowest ranked reason was to meet new people.

The ordering of reasons from most to least frequent is widely shared. Most population subgroups rank the reasons close to way the overall population ranked the reasons, which is evident in the high correlations between the overall population rankings the rankings within subgroups of the population (Table 2). Most of the subgroups have correlation coefficients above 0.9. Only three of the subgroups have lower correlation coefficients and these are examined individually below.

The first of these low-correlation subgroups is comprised of people who recreate very little. The primary way they differ from the overall population is the far lower frequency they indicate for many of the reasons (Table 3). This is especially true of such reasons as exercise and feeling healthier; catch/harvest game or fish; learn and explore; and experience adventure and risks.

The second group is people aged 65 and over. The primary ways they differ from the overall population are in less frequent indication of certain reasons, especially: spend leisure time with family (family formation years may be in the past); escaping personal, social and physical pressures (life may be less hectic); and experience adventure and risks (may be beyond the risk-taking/adventure years).

The third low-correlation group is non-white and/or Hispanic people. They differ from the overall population primarily in the less frequent indication of three reasons (enjoy smells and sounds of nature; get/keep physically fit; and catch/harvest game or fish) and the more frequent indication of one reason (feel more self-confident). For all the other reasons, they are close to the overall population.

Table 1

What are your most important reasons for participating in outdoor recreation?

<u>Category</u>	<u>Reason</u>	<u>Percent of adults indicating reason</u>	<u>Category</u>	<u>Reason</u>	<u>Percent of adults indicating reason</u>
Enjoy nature	Enjoy natural scenery	71%	Experience adventure and risks	Experience a sense of adventure	36%
	Enjoy smells and sounds of nature	63%		Take some risks	18%
Exercise and feel healthier	Get/keep physically fit	59%	Achieve and be stimulated	Feel exhilarated	30%
	Feel healthier	55%		Improve/retain my outdoor skills	26%
Be with family and friends	Spend leisure time with family	57%		Feel more self-confident	14%
	Be with members of my group	23%	Rest physically	Rest physically	26%
Escape personal, social and physical pressures	Rest mentally	57%		Use equipment	Get a chance to use or test my equipment
	Get away from life's usual demands	54%	Teach others		Help family, friends or others develop their outdoor skills
	Get away from crowds	45%		Be introspective	Experience spiritual renewal
	Experience silence and quiet	40%	Be creative		Do something creative
Experience solitude	38%	Meet new people		Interact with new and varied people	16%
Catch/harvest game or fish	Catch or harvest some game or fish		42%		
	Learn and explore	Explore and discover new things	39%		
Enjoy different experiences from home		35%			
Learn more about nature		29%			
Experience a sense of history		18%			
Experience nostalgia	Bring back pleasant memories	37%			

Table 2

How widely shared are the rankings of the reasons for outdoor recreation?
 (correlations are between the ranking of reasons by each population grouping and the overall population)

<u>Population grouping</u>	<u>Correlation coefficient</u>	<u>Population grouping</u>	<u>Correlation coefficient</u>
Recreation days in last 12 months		Race/ethnicity	
Less than once a month (1 to 10 days)	0.89	Non-white and/or Hispanic*	0.88
Once a month to once a week (11 to 50 days)	0.98	White, non-Hispanic	1.00
Once to twice a week (51 to 100 days)	0.99	Education	
More than twice a week (101+ days)	0.98	High school graduate, or some high school	0.95
Population density of residence (based on 5-digit zip codes in 2000)		Vocational/technical school, associate degree, or some college	0.98
Low (100 people per square mile or less)	0.98	Graduated from college	0.97
Medium (101 to 1000)	0.99	Some postgraduate study, including postgraduate degrees	0.97
High (more than 1000)	0.99	Household income	
Region of Minnesota		under \$30,000	0.96
Northwest	0.97	\$30,000 to \$39,999	0.97
Northeast	0.99	\$40,000 to \$49,999	0.98
South	0.98	\$50,000 to \$74,999	0.98
Central	0.98	\$75,000 to \$99,999	0.97
Metro (seven county)	0.99	\$100,000 or more	0.96
Age		Household size	
20-34	0.96	1 person	0.94
35-44	0.99	2 people	0.99
45-54	0.99	3 people	0.98
55-64	0.97	4 people	0.94
65+	0.90	5+ people	0.95
Gender		* Fewer than 100 respondents in this breakdown.	
Male	0.96		
Female	0.97		

Table 3

What are your most important reasons for participating in outdoor recreation?

(Note: entries in **bold** differ from "all adults" by at least +/- 10%)

		----- Percent indicating reason -----						----- Percent indicating reason -----			
Category	Reason	Recreated less than once a month (1 to 10 days) in last 12 months	Age 65+	Non-white and/or Hispanic	All adults	Category	Reason	Recreated less than once a month (1 to 10 days) in last 12 months	Age 65+	Non-white and/or Hispanic	All adults
Enjoy nature						Experience adventure and risks					
	Enjoy natural scenery	61%	72%	67%	71%		Experience a sense of adventure	12%	17%	28%	36%
	Enjoy smells and sounds of nature	50%	59%	50%	63%		Take some risks	5%	5%	20%	18%
Exercise and feel healthier						Achieve and be stimulated					
	Get/keep physically fit	29%	56%	46%	59%		Feel exhilarated	22%	25%	20%	30%
	Feel healthier	30%	57%	55%	55%		Improve/retain my outdoor skills	7%	21%	19%	26%
							Feel more self-confident	9%	10%	29%	14%
Be with family and friends						Rest physically					
	Spend leisure time with family	48%	40%	52%	57%		Rest physically	26%	23%	35%	26%
	Be with members of my group	21%	24%	27%	23%	Use equipment					
Escape personal, social and physical pressures							Get a chance to use or test my equipment	16%	11%	22%	26%
	Rest mentally	44%	39%	58%	57%	Teach others					
	Get away from life's usual demands	36%	35%	54%	54%		Help family, friends or others develop their outdoor skills	8%	14%	23%	25%
	Get away from crowds	28%	26%	36%	45%	Be introspective					
							Experience spiritual renewal	13%	21%	23%	20%
	Experience silence and quiet	27%	37%	40%	40%	Be creative					
	Experience solitude	24%	34%	38%	38%		Do something creative	4%	12%	24%	19%
Catch/harvest game or fish						Meet new people					
	Catch or harvest some game or fish	18%	32%	23%	42%		Interact with new and varied people	9%	19%	25%	16%
Learn and explore											
	Explore and discover new things	14%	28%	31%	39%						
	Enjoy different experiences from home	25%	34%	43%	35%						
	Learn more about nature	16%	31%	26%	29%						
	Experience a sense of history	13%	16%	11%	18%						
Experience nostalgia											
	Bring back pleasant memories	29%	41%	44%	37%						

BARRIERS TO RECREATION PARTICIPATION

Just as people have reasons for recreating outdoor, they have reasons for *not* recreating outdoors. These latter reasons are known as barriers. In the survey, Minnesota adults were presented with 21 potential barriers and asked if each barrier limited their outdoor recreation. A potential barrier was deemed an actual barrier when a person “strongly agreed” or “moderately agreed” that the potential barrier was a reason they did not participate more in outdoor recreation.

The leading barrier is time (Table 4). People simply do not have enough time to participate more. This is closely followed by outdoor pests, a common concern in “Minnesota—land of 10,000 lakes”, otherwise known as the land of poor drainage, which is prime habitat for outdoor pests. The next most frequently indicated barrier—much less prevalent than the leading two—is cost and effort. To participate in recreation costs money and requires bearing at least the cost and effort of travel. This is followed by the barrier of not having a companion to recreate with. As noted in the previous section, one of the leading reasons people recreate outdoors is to be with family and friends. Lack of a companion is a definite deterrent to participation, and is one of the leading barriers for people in single-person households. The only other potential barrier indicated by at least one-quarter of adults is crowding in outdoor recreation areas, which is indicated by 26 percent of adults. It is noteworthy that the “lack of interests in outdoor recreation” barrier was indicated by few Minnesota adults (12%).

The ordering of barriers from most to least prevalent is widely shared. Most population subgroups rank the barriers close to way the overall population ranked the barriers, which is evident in the high correlations between the overall population rankings the rankings within subgroups of the population (Table 5). Most of the subgroups have correlation coefficients above 0.9. Only three of the subgroups have lower correlation coefficients and these are examined individually below.

The first of these low-correlation subgroups is comprised of people who recreate very little (Table 6). One barrier (lack of a companion to recreate with) is much larger for this subgroup than for the population as whole. Barriers that are also larger concern: physical health and disabilities, personal safety and comfort, and lack of interest in recreating outdoor. Barriers that are less prevalent for this

subgroup include lack of time, and already participating enough in outdoor recreation.

The second group is people aged 65 and over. Barriers that are much more prevalent for this subgroup include physical health and disabilities, personal safety and comfort, and lack of interest in recreating outdoors. One barrier that is far less prevalent for this subgroup is lack of time, the leading barrier for other adults.

The third low-correlation group is people with household incomes less than \$30,000 per year. Barriers that are much more prevalent of this subgroup focus on the cost and effort of recreating outdoors. Barriers that are also larger concern: lack of a companion, and physical health and disabilities. A barriers that is somewhat less prevalent for this subgroup is lack of time to recreate more.

Table 4

Barriers that limit people's participation in outdoor recreation
 (percent of adults that "strongly" or "moderately" agree that barrier limits their outdoor recreation)

Category	Barrier	Percent of adults indicating barrier	Category	Barrier	Percent of adults indicating barrier	
Time	● I don't have enough time to participate more	61%	Already participate enough	● I already participate enough in outdoor recreation	21%	
	Outdoor pests			Information		
	● I don't like outdoor pests, such as mosquitos	59%		● I don't have adequate information on outdoor recreation areas	20%	
Cost and effort	● I don't have enough money to participate more	39%	Physical health and disabilities	● personal health reasons limit my outdoor activity	18%	
	● the outdoor recreation areas I am interested in visiting are too far from home	21%			● I have a physically limiting condition and do not have the assistance or equipment to do outdoor activities	9%
	● I don't have adequate transportation to outdoor recreation areas	7%			● a member of my household has a disability that limits my participation in outdoor recreation	8%
	Companion					
	● I don't have a companion to go with to outdoor recreation areas	27%	Personal safety and comfort	● I don't like exposing myself to outdoor health risks, such as from sunlight, or from coming into contact with certain insects, plants or animals	14%	
Recreation setting characteristics	● outdoor recreation areas are too crowded	26%			● I don't feel safe in outdoor recreation areas because of the other people that go there	10%
	● there are too many rules and regulations in outdoor recreation areas	17%			● I am uncomfortable and sometimes feel somewhat afraid in forest or other natural settings	7%
	● other activities in outdoor recreation areas conflict with my favorite activities	13%			● I feel unwelcome or uncomfortable at many outdoor recreation areas because of who I am	3%
	● outdoor recreation areas are poorly maintained	10%	Interest	● I'm not interested in doing the activities that are available in outdoor recreation areas	12%	
	● I don't like the other people I encounter in outdoor recreation areas	4%				

Table 5

How widely shared are the rankings of the barriers that limit outdoor recreation?
 (correlations are between the ranking of reasons by each population grouping and the overall population)

Population grouping	Correlation coefficient	Population grouping	Correlation coefficient
Recreation days in last 12 months		Race/ethnicity	
Less than once a month (0 to 10 days)	0.83	Non-white and/or Hispanic*	0.92
Once a month to once a week (11 to 50 days)	0.99	White, non-Hispanic	1.00
Once to twice a week (51 to 100 days)	0.99		
More than twice a week (101+ days)	0.97		
Population density of residence (based on 5-digit zip codes in 2000)		Education	
Low (100 people per square mile or less)	0.99	High school graduate, or some high school	0.96
Medium (101 to 1000)	0.99	Vocational/technical school, associate degree, or some college	0.99
High (more than 1000)	0.99	Graduated from college	0.99
		Some postgraduate study, including postgraduate degrees	0.97
Region of Minnesota		Household income	
Northwest	0.98	under \$30,000	0.90
Northeast	0.97	\$30,000 to \$39,999	0.95
South	0.98	\$40,000 to \$49,999	0.99
Central	0.99	\$50,000 to \$74,999	0.99
Metro (seven county)	0.99	\$75,000 to \$99,999	0.96
		\$100,000 or more	0.94
Age		Household size	
20-34	0.97	1 person	0.92
35-44	0.98	2 people	0.98
45-54	0.99	3 people	0.99
55-64	0.94	4 people	0.98
65+	0.62	5+ people	0.95
Gender		* Fewer than 100 respondents in this breakdown.	
Male	0.98		
Female	0.98		

Table 6

Barriers that limit people's participation in outdoor recreation

(Note: entries in **bold** differ from "all adults" by at least +/- 10%)

		----- Percent indicating reason -----			
Category	Barrier	Recreated less than once a month (0 to 10 days) in last 12	Age 65+	Household income under \$30,000	All adults
Time					
	● I don't have enough time to participate more	48%	29%	51%	61%
Outdoor pests					
	● I don't like outdoor pests, such as mosquitos	68%	65%	64%	59%
Cost and effort					
	● I don't have enough money to participate more	32%	31%	62%	39%
	● the outdoor recreation areas I am interested in visiting are too far from home	17%	16%	31%	21%
	● I don't have adequate transportation to outdoor recreation areas	16%	12%	22%	7%
Companion					
	● I don't have a companion to go with to outdoor recreation areas	53%	34%	40%	27%
Recreation setting characteristics					
	● outdoor recreation areas are too crowded	29%	21%	29%	26%
	● there are too many rules and regulations in	14%	12%	16%	17%
	● other activities in outdoor recreation areas conflict with my favorite activities	19%	12%	16%	13%
	● outdoor recreation areas are poorly maintained	10%	10%	15%	10%
	● I don't like the other people I encounter in outdoor recreation areas	6%	6%	7%	4%

		----- Percent indicating reason -----			
Category	Barrier	Recreated less than once a month (0 to 10 days) in last 12	Age 65+	Household income under \$30,000	All adults
Already participate enough					
	● I already participate enough in outdoor recreation	9%	26%	13%	21%
Information					
	● I don't have adequate information on outdoor recreation areas	17%	11%	28%	20%
Physical health and disabilities					
	● personal health reasons limit my outdoor activity	31%	50%	31%	18%
	● I have a physically limiting condition and do not have the assistance or equipment to do outdoor activities	21%	35%	22%	9%
	● a member of my household has a disability that limits my participation in outdoor recreation	9%	20%	15%	8%
Personal safety and comfort					
	● I don't like exposing myself to outdoor health risks, such as from sunlight, or from coming into contact with certain insects, plants or animals	30%	26%	21%	14%
	● I don't feel safe in outdoor recreation areas because of the other people that go there	14%	21%	16%	10%
	● I am uncomfortable and sometimes feel somewhat afraid in forest or other natural settings	16%	16%	11%	7%
	● many outdoor recreation areas because of	6%	7%	7%	3%
Interest					
	● I'm not interested in doing the activities that are available in outdoor recreation areas	25%	28%	21%	12%

RECREATION PARTICIPATION AND USE BY ACTIVITY

The leading activity for Minnesota adults—in terms of the number that participate annually—is walking/hiking outdoors for exercise or pleasure (54% of adults participate annually) (see Table 7). This is followed by recreational boating, which can be presented in a variety of ways, depending on whether fishing is included and whether motorized and non-motorized boating are combined. Swimming is next, and is lead by swimming in a lake or stream.

A large number of activities are presented in Table 7, which is ordered by the number of adults who participate annually. Fishing is participated in annually by 30 percent of Minnesota adults and hunting by 16 percent, two figures that correspond well with current license sales.

As shown in Table 7, activities can be combined into aggregates (e.g., swimming, camping, or nature observation). They can also be examined for overlaps. For instance, the adults who participate in certain activities are far more likely to participate in other activities. An example is ATV riding. ATV riders are far more likely to be hunters than people who do not ride ATVs. A complete set of activity overlaps is too large to present here, but they are available upon request.

Winter activities, as a rule, have lower participation rates than summer activities. Minnesotans may have a hearty wintertime outdoor image of themselves, but they tend to stay indoors when the cold days and long nights set in.

A second way to view the magnitude of an activity is the amount of time people spend in the activity (Table 8—has same activity order as Table 7). People participate in an activity a number of days (occasions) each year, and each occasion has a typical length in terms of hours. Some activity occasions (e.g., walking/hiking) tend to be short compared with others (e.g., boating), so boating is a much larger percent of hours than days, and the reverse is true for walking/hiking. For comparing people's involvement between activities or between groups of activities, hours is generally a better measure than occasions, since the former is a direct measure of time committed by the individual.

In terms of hours of activity participation, walking/hiking is the leading activity among Minnesota adults. This is followed by boating, nature observation,

fishing, swimming and hunting, all water-based and wildlife-related activities that Minnesotans have a well-deserved reputation for being highly engaged in.

The survey collected detailed information on each individual and the activities he/she participated in. For each activity, tables of this information are provided in Appendix B. The tables display (for all the activities in Table 7 and 8) the participation rates, overall use and breakdowns of activities by demographic characteristics (including survey region in Minnesota) and geographic patterns of use. The tables also contain the (i) profile of the Minnesota population, so activity participants can be compared to the general population as represented in the survey results; and (ii) a profile of “avid” participants, which can be compared with all participants to see if that subset of participants (about half of participants) who account for a large portion of any activity use (usually around 80% or more) are different demographically than the typical activity participant.

Activity participation and use are presented in Appendix A for each of the five survey regions (Figure 4). Many of the activity differences between the regions are due to the urban or rural character of the regions, and the associations between activities and the urban-rural continuum. For example, hunting is an activity that has higher participation in rural (low population density) locations than in urban locations, so participation rates are much higher for the non-Metro regions of Minnesota. The reverse is true for urban-associated activities such as inline skating. The next section examines outdoor recreation patterns by demographic characteristics, including the urban-rural continuum or population density of residential locations. Activities are classified according to their degree of association with residential population density.

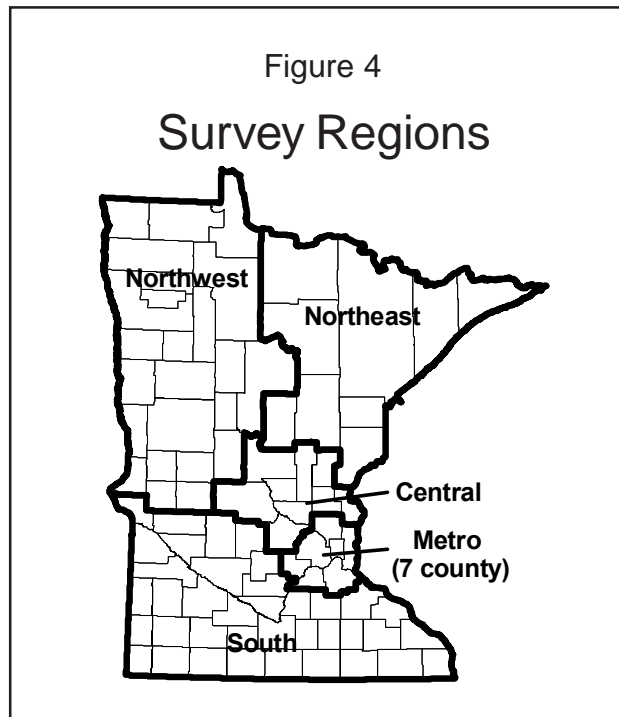


Table 7

Annual outdoor recreation participation by Minnesotans in Minnesota and elsewhere, 2004
(population 20 years old and older)

<u>Activity</u>	<u>Number of participants (000's)</u>	<u>Percent of population</u>
Walking/hiking (walking of hiking outdoors for exercise or pleasure)	1,896	54%
Boating of all types, including fishing from a boat	1,493	43%
<i>Boating of all types, excluding fishing from a boat</i>	1,237	36%
<i>Motor boating of all types, including fishing from a boat</i>	1,365	39%
<i>Motor boating of all types, excluding fishing from a boat</i>	1,050	30%
<i>Non-motorized boating of all types, excluding fishing</i>	522	15%
<i>Canoeing/kayaking, excluding fishing</i>	485	14%
Swimming or wading (all places)	1,423	41%
<i>Swimming or wading in a lake or stream</i>	1,279	37%
<i>Swimming or wading in an outdoor pool or water park</i>	750	22%
Driving for pleasure on scenic roads or in a park	1,300	37%
Picnicking	1,245	36%
Fishing of all types	1,054	30%
<i>Fishing from a boat</i>	929	27%
<i>Fishing from shore or dock</i>	704	20%
Biking (bicycling outdoors of all types, including mountain biking)	1,011	29%
<i>Biking on dirt trails</i>	423	12%
Visiting outdoor zoos	957	27%
Camping of all types	899	26%
<i>Camping using a camping vehicle (e.g., pop-up/hard-sided trailer)</i>	450	13%
<i>Camping using a tent</i>	613	18%
<i>Camping using a tent for backpacking or canoe-in/boat-in camping</i>	340	10%
Visiting nature centers	884	25%
Nature observation of all types (viewing, identifying, photographing)	844	24%
<i>Viewing, identifying or photographing birds and other wildlife</i>	712	20%
<i>Viewing, identifying or photographing wildflowers, trees, natural vegetation</i>	629	18%
Golfing	820	24%
Outdoor field sports (e.g., soccer, softball/baseball, football)	737	21%
Visiting historic or archaeological sites	721	21%
Sledding and snow tubing	642	18%
Outdoor court sports (e.g., volleyball, basketball, tennis, horseshoes)	612	18%
Hunting of all types	556	16%
<i>Hunting big game (e.g., deer, bear, moose)</i>	470	13%
<i>Hunting waterfowl, upland game birds, and other small game</i>	369	11%
Running or jogging	497	14%
Ice skating/hockey outdoors	402	12%
Inline skating, rollerblading, roller skating, roller skiing	394	11%
Offroad ATV driving	357	10%
Snowmobiling	342	10%
Downhill skiing/snowboarding	313	9%
Gather mushrooms, berries, or other wild foods	302	9%
Cross country skiing	227	7%
Horseback riding	157	5%
Snowshoeing	146	4%

Table 8

Annual outdoor recreation use by Minnesotans in Minnesota and elsewhere, 2004

(population 20 years old and older)

Activity	Number of days; total = <u>360,134</u>		Number of hours; total hours = 760,	
	(000's)	Percent of days	743 (000's)	Percent of hours
Walking/hiking (walking of hiking outdoors for exercise or pleasure)	105,994	29.4%	129,655	17.0%
Boating of all types, including fishing from a boat	29,617	8.2%	107,859	14.2%
<i>Boating of all types, excluding fishing from a boat</i>	17,613	4.9%	58,100	7.6%
<i>Motor boating of all types, including fishing from a boat</i>	27,111	7.5%	98,836	13.0%
<i>Motor boating of all types, excluding fishing from a boat</i>	15,108	4.2%	49,076	6.5%
<i>Non-motorized boating of all types, excluding fishing</i>	2,505	0.7%	9,024	1.2%
<i>Canoeing/kayaking, excluding fishing</i>	2,123	0.6%	7,903	1.0%
Swimming or wading (all places)	21,927	6.1%	53,476	7.0%
<i>Swimming or wading in a lake or stream</i>	14,807	4.1%	36,657	4.8%
<i>Swimming or wading in an outdoor pool or water park</i>	7,120	2.0%	16,819	2.2%
Driving for pleasure on scenic roads or in a park	15,511	4.3%	33,473	4.4%
Picnicking	11,627	3.2%	35,914	4.7%
Fishing of all types	18,391	5.1%	76,240	10.0%
<i>Fishing from a boat</i>	12,003	3.3%	49,759	6.5%
<i>Fishing from shore or dock</i>	6,388	1.8%	26,480	3.5%
Biking (bicycling outdoors of all types, including mountain biking)	22,436	6.2%	31,890	4.2%
<i>Biking on dirt trails</i>	2,892	0.8%	4,110	0.5%
Visiting outdoor zoos	2,252	0.6%	5,823	0.8%
Camping of all types	8,515	2.4%	34,060	4.5%
<i>Camping using a camping vehicle (e.g., pop-up/hard-sided trailer)</i>	5,469	1.5%	21,877	2.9%
<i>Camping using a tent</i>	3,046	0.8%	12,183	1.6%
<i>Camping using a tent for backpacking or canoe-in/boat-in camping</i>	1,043	0.3%	4,172	0.5%
Visiting nature centers	3,265	0.9%	8,440	1.1%
Nature observation of all types (viewing, identifying, photographing)	46,268	12.8%	77,256	10.2%
<i>Viewing, identifying or photographing birds and other wildlife</i>	27,654	7.7%	41,267	5.4%
<i>Viewing, identifying or photographing wildflowers, trees, natural vegetation</i>	18,614	5.2%	35,989	4.7%
Golfing	11,163	3.1%	37,063	4.9%
Outdoor field sports (e.g., soccer, softball/baseball, football)	11,187	3.1%	21,185	2.8%
Visiting historic or archaeological sites	2,398	0.7%	6,199	0.8%
Sledding and snow tubing	2,985	0.8%	4,999	0.7%
Outdoor court sports (e.g., volleyball, basketball, tennis, horseshoes)	5,916	1.6%	11,670	1.5%
Hunting of all types	8,060	2.2%	48,188	6.3%
<i>Hunting big game (e.g., deer, bear, moose)</i>	4,025	1.1%	27,175	3.6%
<i>Hunting waterfowl, upland game birds, and other small game</i>	4,035	1.1%	21,013	2.8%
Running or jogging	21,457	6.0%	24,331	3.2%
Ice skating/hockey outdoors	2,459	0.7%	4,919	0.6%
Inline skating, rollerblading, roller skating, roller skiing	4,733	1.3%	11,384	1.5%
Offroad ATV driving	6,520	1.8%	15,262	2.0%
Snowmobiling	2,918	0.8%	10,260	1.3%
Downhill skiing/snowboarding	1,514	0.4%	8,657	1.1%
Gather mushrooms, berries, or other wild foods	1,623	0.5%	5,090	0.7%
Cross country skiing	1,486	0.4%	3,669	0.5%
Horseback riding	1,382	0.4%	2,567	0.3%
Snowshoeing	535	0.1%	974	0.1%

DEMOGRAPHIC PATTERNS OF RECREATION USE

Recreation participation and use—either by activity or in an overall sense—varies by age, gender, population density, and other population groupings. In this section, recreation patterns are examined by the following standard demographic breakdowns:

- Population density of residence (urban to rural continuum)
- Region in Minnesota
- Age class
- Gender
- Race/ethnicity
- Educational attainment
- Household income
- Household size

For each demographic breakdown, overall involvement in outdoor recreation is described first. “Overall involvement” is total annual recreation hours per capita in the demographic breakdown, indexed to 100 for the average Minnesota adult. Next, the long-term trend in the demographic characteristic is presented (Reference 4), and the implications of the trend for overall recreation involvement are discussed. Finally, each activity is classified according to its association with the demographic characteristic, and the implications of the long-term trend for activities is discussed.

The methods used to measure the degree of association between an activity and a demographic characteristic is as follows:

The distribution of participants across a demographic characteristic for each activity is compared to the average distribution across all activities. The mean difference from the average profile is totaled for each activity (direction of difference is ignored), and then normalized to an index of 100 for the typical difference from the average profile. The degree of activity association with a demographic characteristic is classified according to the following index values: an index greater than 150 is considered "strong", while an index from 101 to 150 is "moderate", an index from 51 to 100 is "slight", and an index of 50 or less is considered "very little association".

The activity table for “Region in Minnesota” is not presented, because it is redundant with “Population density of residence (urban to rural

continuum)”. People in the Metro Region live predominately at high density, while people in the Northwest and Northeast Region live predominately at low density, and people in the Central and Southern Region live at densities between those of the two northern regions and the Metro Region. The correlation across all activities between the size of the index value for population density and region of residence is 0.92.

The discussions of long-term demographic trends, overall recreation involvement, and activity-specific involvement are intended to be general assessments of recreation’s relationship to changes taking place in the larger society. These discussions are important for understanding the forces that have shaped, and will continue to shape, the direction of outdoor recreation in Minnesota.

These relationships are also likely to be important for those interested in assessing the activity demands of communities that are, say, aging or urbanizing; or for those who want to provide facilities for a range of activities that, for example, serve broader parts of the populations as compared with narrower subgroups within the population.

A final section examines the commonalities and differences among activities according to these demographic breakdowns. Activities are grouped into clusters that share similar demographics.

Population density of residence (urban to rural continuum)

Minnesotans who live in more rural settings (lower population density) recreate more outdoors than their urban counterparts, who live a higher densities (Figure 5). The trend in Minnesota (as elsewhere in the nation) is to an increasing urban population (Figure 6). Over the last 100 years, almost all new additions to the Minnesota population have been urban additions. A continuation of this trend—coupled with the pattern of recreation use by population density—would push per-capita recreation use down in the state.

Activities that have strong associations with lower-density (rural) residential locations would—all other things constant, including the popularity of an activity—experience little growth compared to activities with strong urban associations (Table 9). In actuality, “all other things”, of course, are not always constant. For example, ATV riding is strongly rural, but its popularity is

Figure 5

Index of outdoor recreation use (hours) by population density of residence
(population density based on 5-digit zip codes in 2000)

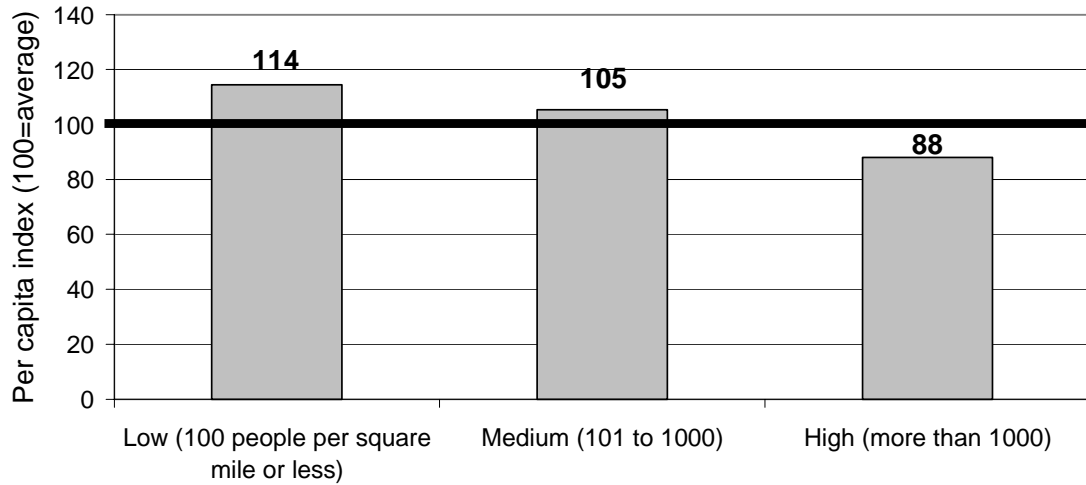


Figure 6

Urban and rural population trends in Minnesota

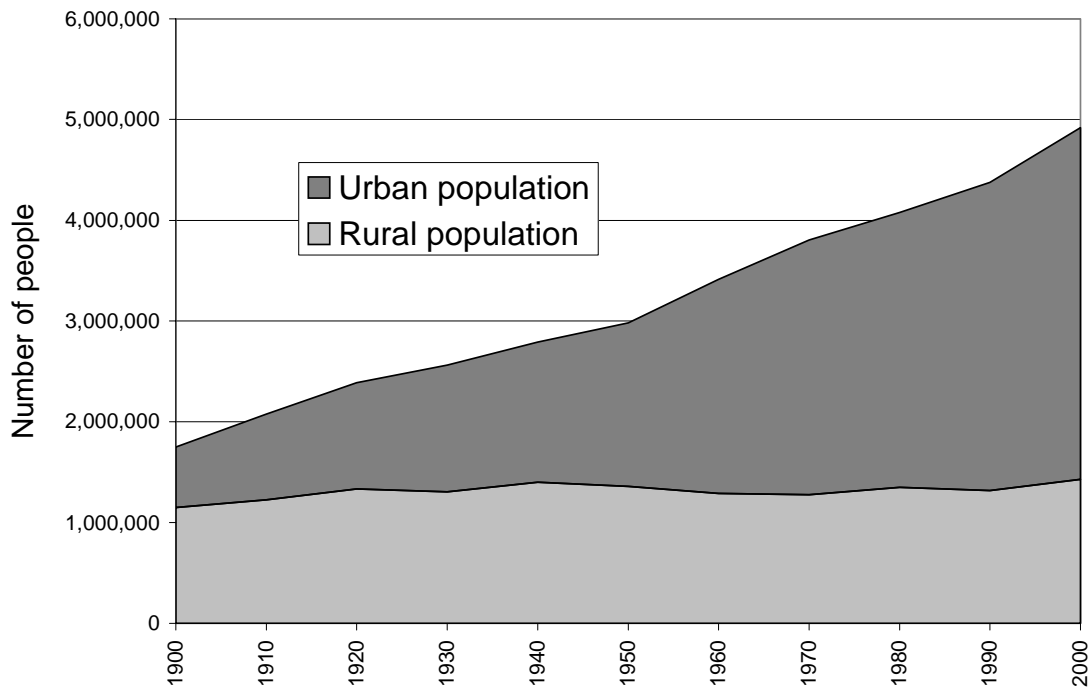


Table 9

Activity associations with: Population density of residence

Activity	----- Percent deviation from average activity profile* -----			Deviation index**
	Low (100 people per sq. mile or less)	Medium (101 to 1000)	High (more than 1000)	
Strongly associated lower density (more rural)				
Snowmobiling	58%	39%	-55%	282
Offroad ATV driving	68%	21%	-50%	255
Hunting big game (e.g., deer, bear, moose)	68%	13%	-45%	229
Hunting of all types	57%	13%	-39%	201
Hunting waterfowl, upland game birds, and other small game	54%	11%	-36%	186
Camping using a camping vehicle (e.g., pop-up/hard-sided trailer)	38%	25%	-36%	185
Strongly associated higher density (more urban)				
Cross country skiing	-35%	-45%	46%	237
Inline skating, rollerblading, roller skating, roller skiing	-53%	-18%	40%	205
Ice skating/hockey outdoors	-57%	2%	30%	161
Moderately associated lower density				
Gather mushrooms, berries, or other wild foods	50%	-15%	-18%	139
Fishing from shore or dock	34%	1%	-20%	101
Moderately associated higher density				
Running or jogging	-33%	-9%	24%	121
Downhill skiing/snowboarding	-36%	-4%	22%	114
Camping using a tent for backpacking or canoe-in/boat-in camping	8%	-34%	16%	107
Slightly associated lower density				
Fishing from a boat	20%	12%	-19%	95
Fishing of all types	22%	8%	-16%	84
Horseback riding	23%	6%	-16%	83
Slightly associated higher density				
Visiting outdoor zoos	-28%	-5%	18%	95
Non-motorized boating of all types, excluding fishing	-20%	-10%	17%	88
Canoeing/kayaking, excluding fishing	-19%	-11%	17%	86
Camping using a tent	-3%	-25%	17%	86
Swimming or wading in an outdoor pool or water park	-27%	1%	14%	75
Golfing	-27%	22%	1%	74
Visiting nature centers	-16%	-8%	14%	69
Visiting historic or archaeological sites	-3%	-19%	13%	67
Biking on dirt trails	-23%	12%	5%	63
Viewing, identifying or photographing wildflowers, trees, natural vegetation	-10%	-10%	12%	61
Biking (bicycling outdoors of all types, including mountain biking)	-17%	-3%	11%	57
Very little association				
Nature observation of all types (viewing, identifying, photographing)	0%	0%	0%	1
Boating of all types, excluding fishing from a boat	0%	1%	-1%	5
Picnicking	2%	-1%	-1%	5
Walking/hiking (walking of hiking outdoors for exercise or pleasure)	-4%	-1%	3%	14
Swimming or wading in a lake or stream	-1%	5%	-2%	16
Swimming or wading (all places)	-6%	5%	1%	18
Sledding and snow tubing	-6%	-1%	4%	20
Boating of all types, including fishing from a boat	4%	4%	-5%	23
Viewing, identifying or photographing birds and other wildlife	8%	-8%	0%	24
Driving for pleasure on scenic roads or in a park	4%	-8%	3%	25
Outdoor field sports (e.g., soccer, softball/baseball, football)	-9%	7%	1%	26
Motor boating of all types, excluding fishing from a boat	3%	7%	-6%	29
Outdoor court sports (e.g., volleyball, basketball, tennis, horseshoes)	-11%	10%	0%	30
Camping of all types	12%	-4%	-4%	33
Motor boating of all types, including fishing from a boat	7%	7%	-8%	43
Snowshoeing	-4%	14%	-6%	43

* Average distribution of participants across all activities for this demographic characteristic, totaling 100%, is =

25.3% 28.2% 46.5%

** Index measures the size of the deviation from the average activity profile; an index of 100 is the typical size of deviation across activities. An index greater than 150 is considered "strong", while from 101 to 150 is "moderate", from 51 to 100 is "slight", and 50 or less is considered "very little association".

burgeoning, and it is growing rapidly in Minnesota. However, if the popularity of ATV riding plateaus, further increases would be difficult to achieve, assuming the activity maintains a strongly rural base that continues its long-term trend.

It is important to note that many activities have little association, or only a slight association, with this demographic characteristic and, thus, are not influenced materially by this urban-rural trend.

Region in Minnesota

Most of the discussion of region is redundant with the preceding population density discussion, as noted in the introduction to this section. Minnesotans who live in the high-density Metro area recreate less outdoors than those in lower-density rural regions (Figure 7). The regional population trend in Minnesota shows most of the increase over many decades occurring in the metro area, and more recently occurring in the Central Region to the north and west of the Metro Region (Figure 8). Three regions (South, Northeast and Northwest) have shown little growth over the last 40 years. A continuation of this trend—coupled with the pattern of recreation use by region—would push per-capita recreation use down in the state.

As discussed in the introduction to this section, the activity table for “Region in Minnesota” is not presented, because it is redundant with “Population density of residence (urban to rural continuum)”.

Age Class

Older adults recreate less overall than younger adults (Figure 9). Recreation hours per capita increase successively from age class 65+ to each younger age class, excepting the youngest adult class (age 20 to 34), which is lower than the next highest class (age 35 to 44). In the past (mid 1980s), the per-capita hour increase continued into the youngest class (Reference 6). Whether this pattern change is real cannot be firmly established from available information, but there are pieces of information that lend credence to the idea that young adults are not as involved in recreation as they used to be. For wildlife-associated recreation (fishing, hunting and wildlife watching) national surveys from 1991 to 2001 have shown that the participation decreases of youngest adults were quite rapid compared with

Figure 7

Index of outdoor recreation use (hours) by survey region

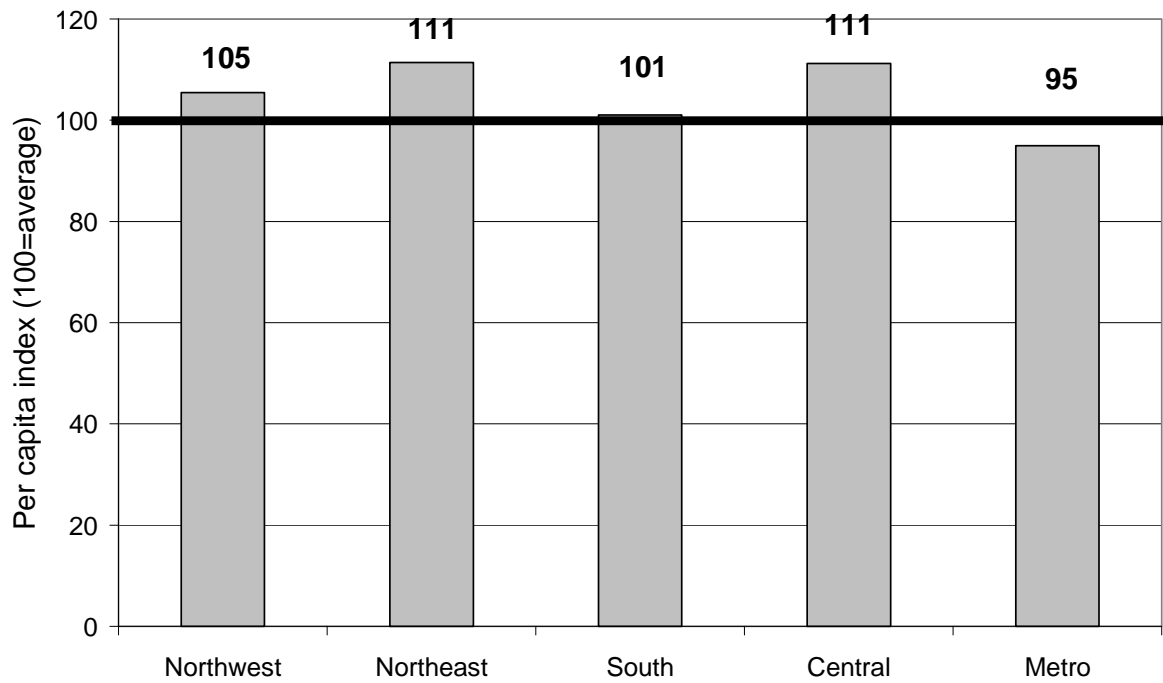
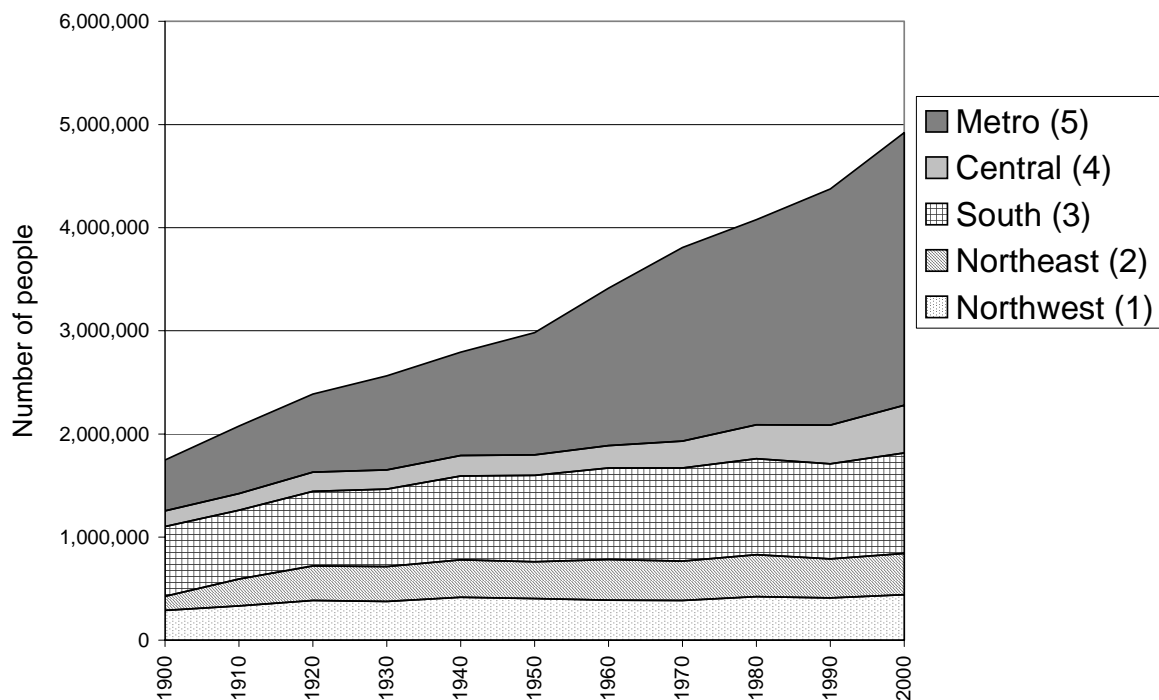
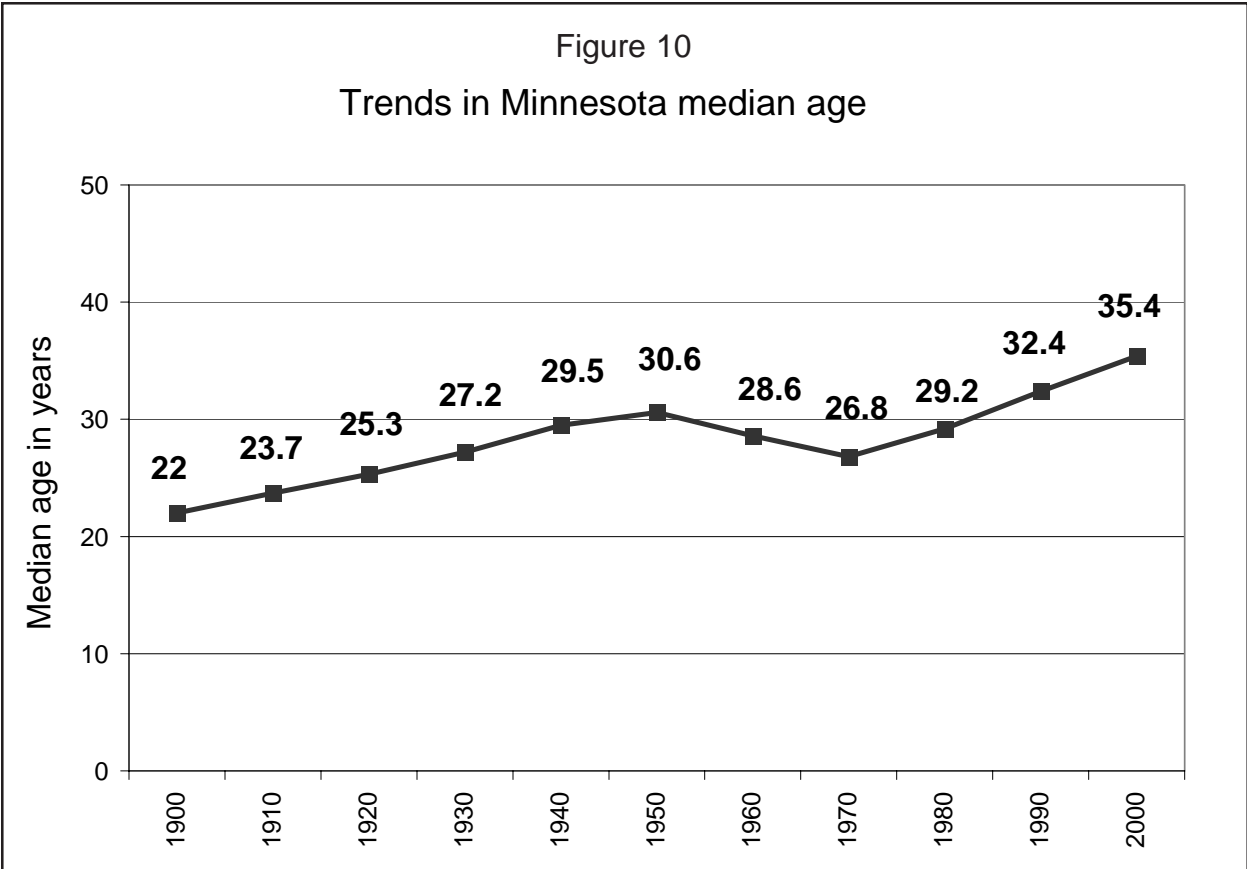
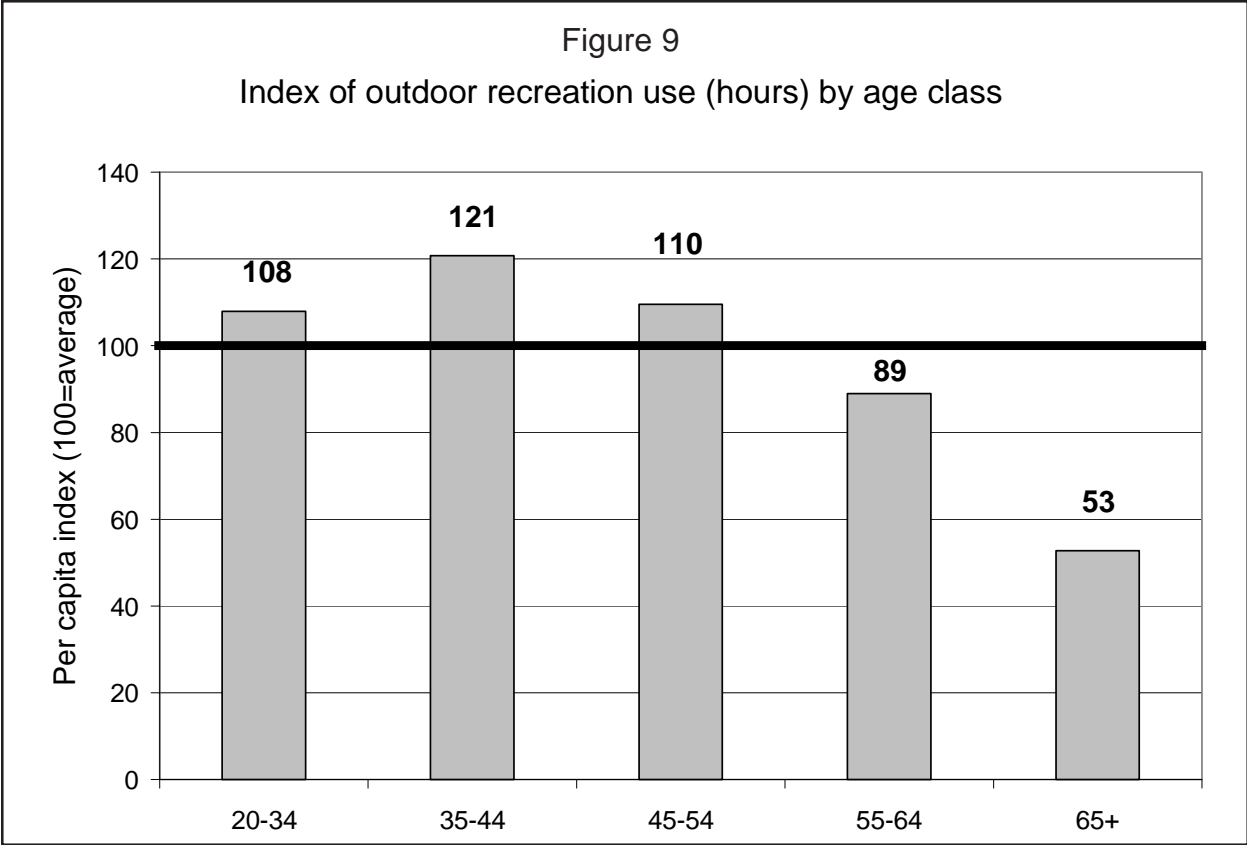


Figure 8

Population trends by survey region in Minnesota





older adults (Reference 2). The participation decreases from 1991 to 2001 were steep enough to shift the participation peak out of the youngest age classes to high age classes, producing a similar age-class pattern change as *may* have occurred in Minnesota for overall outdoor recreation involvement. If nothing else, these parallel changes fuel speculation, and raise seminal questions about the changing nature of recreation involvement by age class in the state.

The age trend in the state is to an older population over the last 30 years (Figure 10). A continuation of this trend—coupled with the pattern of recreation use by age class—would push per-capita recreation use down in the state.

The activities that have moderate-to-strong associations with younger ages tend to be more physically demanding, such as ice skating/hockey outdoors, inline skating, and running/jogging (Table 10). The activities most associated with older age classes tend to be less physically demanding, more passive, and more learning-related (note that there are no activities “strongly” associated with older ages).

As with the other demographic characteristics, a large number of activities have little association, or only a slight association, with age class and, thus, are not influenced materially by the aging of the population.

Table 10

Activity associations with: Age class

Activity	----- Percent deviation from average activity profile* -----					Deviation index**
	20 to 34	35 to 44	45 to 54	55 to 64	65+	
Strongly associated with younger ages						
Ice skating/hockey outdoors	26%	28%	-34%	-74%	-93%	214
Sledding and snow tubing	23%	21%	-26%	-60%	-82%	175
Inline skating, rollerblading, roller skating, roller skiing	34%	4%	-24%	-46%	-99%	167
Downhill skiing/snowboarding	24%	14%	-18%	-66%	-76%	157
Strongly associated with middle ages						
Snowshoeing	-27%	-13%	62%	26%	-8%	174
Moderately associated with younger ages						
Camping using a tent	30%	3%	-22%	-36%	-85%	144
Running or jogging	31%	-7%	-21%	-36%	-43%	139
Outdoor court sports (e.g., volleyball, basketball, tennis, horseshoes)	31%	-5%	-15%	-47%	-55%	136
Offroad ATV driving	24%	-17%	-4%	-15%	-32%	105
Moderately associated with older ages						
Viewing, identifying or photographing birds and other wildlife	-24%	-7%	14%	47%	79%	131
Nature observation of all types (viewing, identifying, photographing)	-22%	-8%	14%	44%	80%	127
Viewing, identifying or photographing wildflowers, trees, natural vegetation	-22%	-7%	13%	45%	77%	125
Driving for pleasure on scenic roads or in a park	-15%	-16%	9%	47%	88%	124
Gather mushrooms, berries, or other wild foods	-20%	-4%	-5%	36%	126%	118
Visiting nature centers	-16%	-13%	4%	46%	94%	115
Visiting historic or archaeological sites	-22%	-3%	7%	52%	69%	112
Walking/hiking (walking of hiking outdoors for exercise or pleasure)	-12%	-13%	1%	46%	82%	101
Moderately associated with middle ages						
Cross country skiing	-30%	12%	34%	12%	-3%	136
Horseback riding	-8%	10%	28%	-36%	-56%	105
Slightly associated with younger ages						
Camping using a tent for backpacking or canoe-in/boat-in camping	16%	6%	-5%	-28%	-81%	92
Outdoor field sports (e.g., soccer, softball/baseball, football)	11%	8%	-9%	-35%	-34%	78
Snowmobiling	-1%	22%	-4%	-14%	-79%	77
Biking on dirt trails	7%	11%	-3%	-34%	-51%	74
Canoeing/kayaking, excluding fishing	9%	0%	6%	-29%	-43%	56
Swimming or wading in an outdoor pool or water park	8%	6%	-14%	-18%	-6%	55
Biking (bicycling outdoors of all types, including mountain biking)	-6%	8%	10%	-5%	-33%	53
Slightly associated with older ages						
Picnicking	-14%	-3%	0%	29%	69%	73
Fishing from a boat	-8%	-9%	4%	19%	61%	69
Fishing from shore or dock	-8%	-7%	0%	39%	33%	59
Fishing of all types	-7%	-7%	0%	26%	51%	58
Camping using a camping vehicle (e.g., pop-up/hard-sided trailer)	-9%	-4%	11%	9%	25%	52
Very little association						
Swimming or wading in a lake or stream	4%	-4%	0%	-6%	-1%	19
Swimming or wading (all places)	3%	-5%	3%	-1%	3%	21
Boating of all types, excluding fishing from a boat	-6%	1%	4%	12%	2%	26
Hunting of all types	-4%	-3%	2%	17%	10%	28
Golfing	3%	-9%	4%	5%	10%	34
Hunting waterfowl, upland game birds, and other small game	-7%	1%	5%	22%	-2%	34
Motor boating of all types, excluding fishing from a boat	-4%	-6%	7%	17%	5%	37
Boating of all types, including fishing from a boat	-7%	-2%	0%	16%	37%	40
Hunting big game (e.g., deer, bear, moose)	-8%	4%	5%	18%	-10%	43
Visiting outdoor zoos	-1%	-2%	-14%	31%	24%	45
Camping of all types	11%	0%	-6%	-17%	-31%	50
Motor boating of all types, including fishing from a boat	-5%	-8%	1%	21%	42%	50
Non-motorized boating of all types, excluding fishing	6%	4%	4%	-25%	-41%	50

* Average distribution of participants across all activities for this demographic characteristic, totaling 100%, is =

37% 30% 20% 8% 5%

** Index measures the size of the deviation from the average activity profile; an index of 100 is the typical size of deviation across activities. An index greater than 150 is considered "strong", while from 101 to 150 is "moderate", from 51 to 100 is "slight", and 50 or less is considered "very little association".

Gender

Men recreate more overall than women (Figure 11). Since the population trend is not toward a greater portion of one gender compared with the other, the trend produces no change in per-capita recreation use.

Certain activities that are strongly male (hunting, snowmobiling, ATV riding) also were strongly rural, which shows how combinations of demographic groupings that define the character of certain activities (Table 11). An examination of clusters of activities that share similar demographics is the topic at the end of this section.

As with the other demographic characteristics, a large number of activities have little association, or only a slight association, with gender.

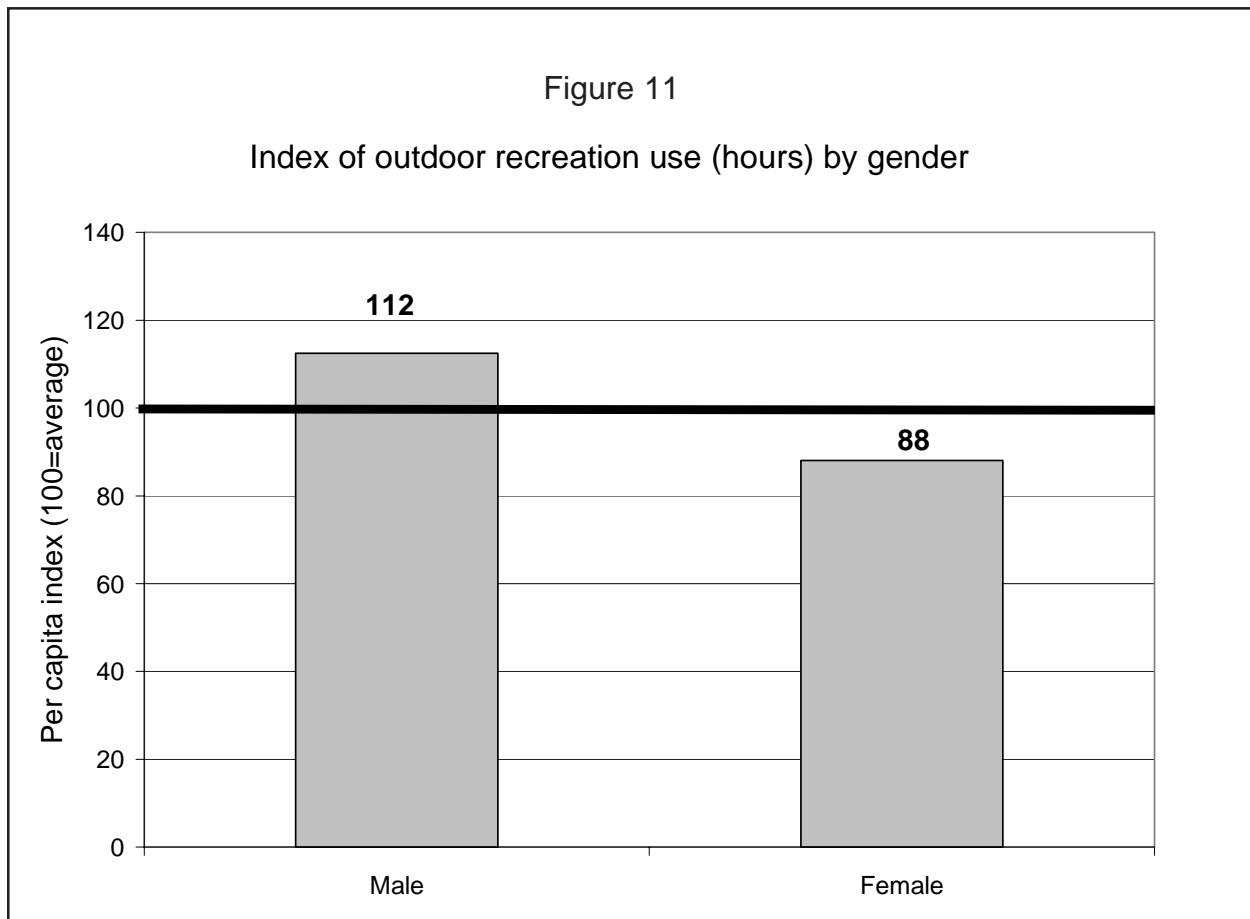


Table 11

Activity associations with: Gender

Activity	----- Percent deviation from average activity profile* -----		Deviation index**
	Male	Female	
Strongly male			
Hunting waterfowl, upland game birds, and other small game	64%	-76%	405
Hunting big game (e.g., deer, bear, moose)	53%	-63%	334
Hunting of all types	53%	-63%	333
Snowmobiling	30%	-36%	193
Offroad ATV driving	28%	-34%	178
Fishing from a boat	25%	-30%	161
Strongly female			
Horseback riding	-29%	35%	187
Viewing, identifying or photographing wildflowers, trees, natural vegetation	-27%	32%	171
Cross country skiing	-26%	31%	165
Moderately male			
Fishing from shore or dock	24%	-28%	149
Fishing of all types	22%	-26%	137
Golfing	18%	-22%	115
Moderately female			
Inline skating, rollerblading, roller skating, roller skiing	-23%	28%	147
Visiting outdoor zoos	-17%	21%	110
Swimming or wading in an outdoor pool or water park	-17%	21%	110
Visiting nature centers	-16%	19%	103
Slightly female			
Visiting historic or archaeological sites	-15%	17%	93
Picnicking	-14%	17%	88
Walking/hiking (walking of hiking outdoors for exercise or pleasure)	-12%	15%	78
Snowshoeing	-12%	15%	77
Nature observation of all types (viewing, identifying, photographing)	-12%	14%	76
Sledding and snow tubing	-9%	11%	56
Swimming or wading (all places)	-8%	10%	52
Very little association			
Boating of all types, excluding fishing from a boat	0%	0%	1
Motor boating of all types, excluding fishing from a boat	0%	0%	2
Downhill skiing/snowboarding	-1%	1%	5
Ice skating/hockey outdoors	1%	-1%	8
Camping using a tent for backpacking or canoe-in/boat-in camping	2%	-3%	15
Non-motorized boating of all types, excluding fishing	-3%	4%	20
Running or jogging	-3%	4%	21
Outdoor field sports (e.g., soccer, softball/baseball, football)	4%	-5%	25
Canoeing/kayaking, excluding fishing	-4%	5%	28
Camping using a tent	5%	-6%	29
Boating of all types, including fishing from a boat	5%	-6%	32
Swimming or wading in a lake or stream	-5%	7%	35
Gather mushrooms, berries, or other wild foods	6%	-7%	36
Biking (bicycling outdoors of all types, including mountain biking)	-6%	7%	39
Camping of all types	7%	-8%	44
Outdoor court sports (e.g., volleyball, basketball, tennis, horseshoes)	7%	-8%	45
Viewing, identifying or photographing birds and other wildlife	-7%	9%	47
Motor boating of all types, including fishing from a boat	8%	-9%	48
Camping using a camping vehicle (e.g., pop-up/hard-sided trailer)	8%	-9%	48
Driving for pleasure on scenic roads or in a park	-8%	9%	48
Biking on dirt trails	8%	-9%	49

* Average distribution of participants across all activities for this demographic characteristic, totaling 100%, is =

54% 46%

** Index measures the size of the deviation from the average activity profile; an index of 100 is the typical size of deviation across activities. An index greater than 150 is considered "strong", while from 101 to 150 is "moderate", from 51 to 100 is "slight", and 50 or less is considered "very little association".

Race/ethnicity

White, non-Hispanic Minnesotans recreate more overall than non-white and/or Hispanic Minnesotans (Figure 12). The grouping of “non-white and/or Hispanic” cannot be broken down any further in this study due to sample size limitations. The lower recreation involvement of non-whites and/or Hispanics is consistent with national findings for wildlife-related outdoor recreation (fishing, hunting, and wildlife watching—Reference 7). Outdoor recreation—as a general rule—is a “middle America” pursuit and any demographic grouping near the margins of “middle America” will exhibit less overall involvement in recreation. This tends to be true for race, ethnicity, education, and income.

The trend in Minnesota (as elsewhere in the nation) is to greater racial and ethnic diversity in the population (Figure 13). A continuation of this trend—coupled with the pattern of recreation use by race/ethnicity—would push per-capita recreation use down in the state.

Certain activities are more associated with whites/non-Hispanics (e.g., cross-country skiing and hunting), while others are more associated with non-whites and/or Hispanics (e.g., nature observation and outdoor court sports) (see Table 12). Most activities, however, have little association, or only a slight association, with this demographic characteristic

Educational attainment

Lower education attainment is associated with less overall involvement in outdoor recreation (Figure 14). Part of this difference is due to older Minnesotans, who recreate less overall than younger Minnesotans, having historically lower educational attainment. Even with the elimination of people 65+, however, the pattern of less recreation involvement with less formal education remains.

The trend in Minnesota (as elsewhere in the nation) is to higher educational attainment in the population (Figure 15—data for the nation; a shorter time series for Minnesota exhibits the same trend: see Reference 8). A continuation of this trend—coupled with the pattern of recreation use by educational attainment—would push per-capita recreation use up in the state.

Figure 12

Index of outdoor recreation use (hours) by race, ethnicity

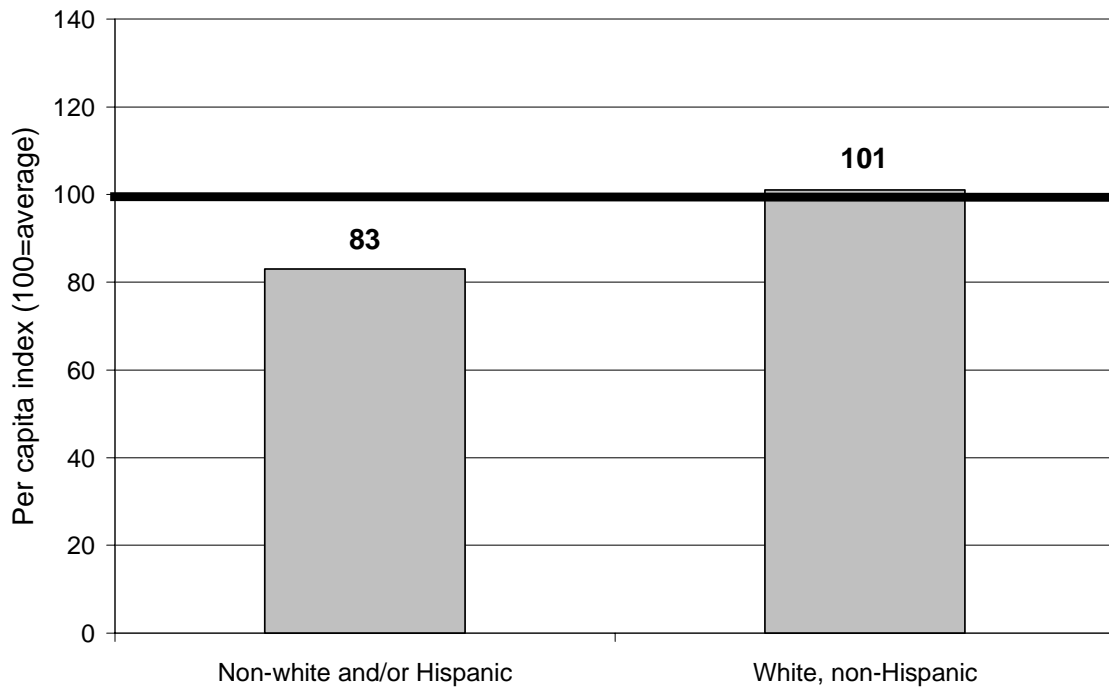


Figure 13

Racial and ethnic composition of the Minnesota population

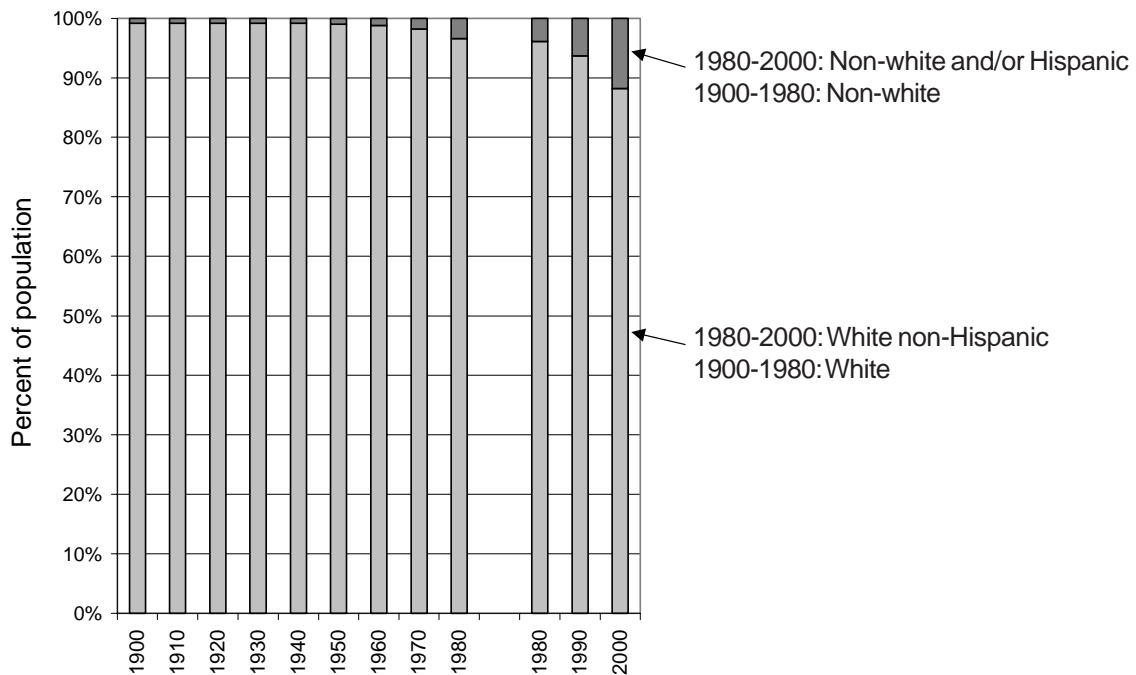


Table 12

Activity associations with: Race, ethnicity

Activity	----- Percent deviation from average activity profile* -----		Deviation index**
	Non-white and/or Hispanic	White, non-Hispanic	
Strongly white, non-Hispanic			
Cross country skiing	-85%	4%	245
Snowshoeing	-71%	3%	203
Hunting of all types	-61%	3%	175
Hunting big game (e.g., deer, bear, moose)	-61%	3%	174
Strongly non-white and/or Hispanic			
Viewing, identifying or photographing wildflowers, trees, natural vegetation	103%	-5%	295
Outdoor court sports (e.g., volleyball, basketball, tennis, horseshoes)	67%	-3%	191
Nature observation of all types (viewing, identifying, photographing)	57%	-3%	163
Sledding and snow tubing	56%	-3%	161
Moderately white, non-Hispanic			
Hunting waterfowl, upland game birds, and other small game	-49%	2%	139
Horseback riding	-38%	2%	108
Moderately non-white and/or Hispanic			
Running or jogging	51%	-2%	146
Visiting outdoor zoos	46%	-2%	132
Viewing, identifying or photographing birds and other wildlife	44%	-2%	126
Biking on dirt trails	40%	-2%	115
Driving for pleasure on scenic roads or in a park	35%	-2%	101
Slightly white, non-Hispanic			
Fishing from shore or dock	-33%	2%	93
Fishing from a boat	-32%	1%	91
Golfing	-31%	1%	90
Offroad ATV driving	-30%	1%	87
Gather mushrooms, berries, or other wild foods	-30%	1%	86
Camping using a tent	-28%	1%	80
Camping of all types	-27%	1%	78
Fishing of all types	-26%	1%	76
Camping using a tent for backpacking or canoe-in/boat-in camping	-25%	1%	71
Motor boating of all types, including fishing from a boat	-23%	1%	66
Ice skating/hockey outdoors	-20%	1%	59
Slightly non-white and/or Hispanic			
Swimming or wading in an outdoor pool or water park	31%	-1%	89
Picnicking	25%	-1%	71
Visiting historic or archaeological sites	23%	-1%	67
Inline skating, rollerblading, roller skating, roller skiing	21%	-1%	61
Walking/hiking (walking of hiking outdoors for exercise or pleasure)	20%	-1%	56
Biking (bicycling outdoors of all types, including mountain biking)	19%	-1%	54
Very little association			
Downhill skiing/snowboarding	2%	0%	6
Visiting nature centers	5%	0%	15
Boating of all types, excluding fishing from a boat	-8%	0%	23
Swimming or wading in a lake or stream	10%	0%	29
Boating of all types, including fishing from a boat	-13%	1%	37
Swimming or wading (all places)	14%	-1%	39
Non-motorized boating of all types, excluding fishing	-14%	1%	41
Canoeing/kayaking, excluding fishing	-15%	1%	44
Snowmobiling	-17%	1%	48
Outdoor field sports (e.g., soccer, softball/baseball, football)	-17%	1%	49
Motor boating of all types, excluding fishing from a boat	-17%	1%	50
Camping using a camping vehicle (e.g., pop-up/hard-sided trailer)	-17%	1%	50

* Average distribution of participants across all activities for this demographic characteristic, totaling 100%, is =

4% 96%

** Index measures the size of the deviation from the average activity profile; an index of 100 is the typical size of deviation across activities. An index greater than 150 is considered "strong", while from 101 to 150 is "moderate", from 51 to 100 is "slight", and 50 or less is considered "very little association".

Certain activities are strongly associated with more formal education (e.g., snow skiing and running/jogging), while others are strongly associated with less formal education (e.g., ATV riding, hunting, snowmobiling) (see Table 13). Most activities, however, have little association, or only a slight association, with this demographic characteristic

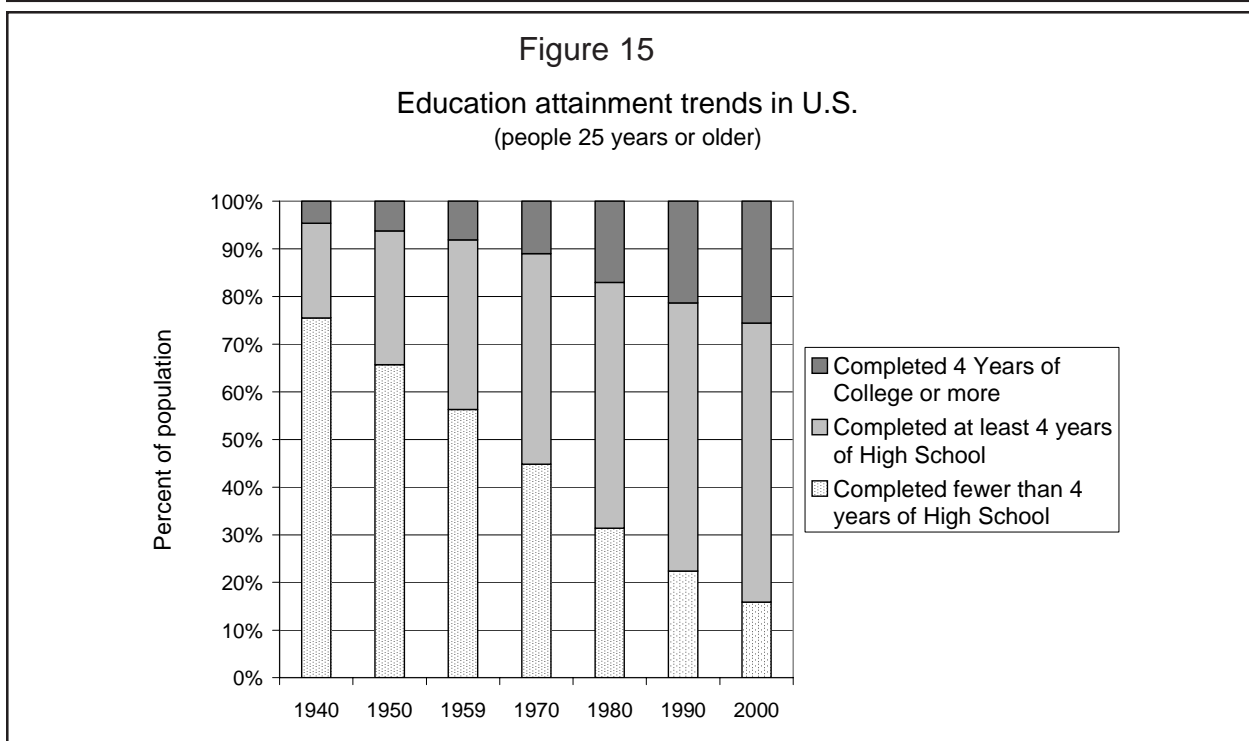
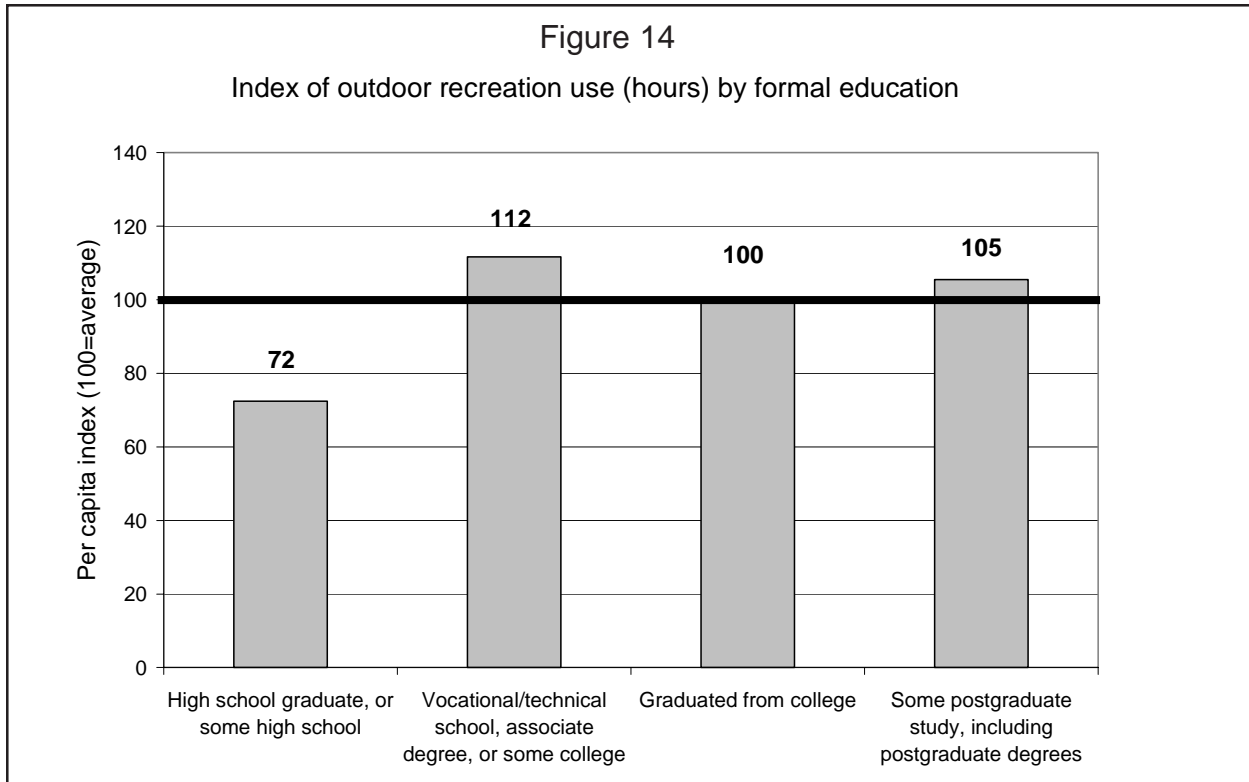


Table 13

Activity associations with: Formal education

Activity	----- Percent deviation from average activity profile* -----				Deviation index**
	High school graduate, or some high school	Vocational/technical school, associate degree, or some college	Graduated from college	Some postgraduate study, including postgraduate degrees	
Strongly more formal education					
Cross country skiing	-69%	-56%	25%	93%	304
Downhill skiing/snowboarding	-45%	-36%	38%	35%	194
Running or jogging	-86%	-14%	26%	35%	161
Strongly less formal education					
Offroad ATV driving	85%	34%	-29%	-62%	238
Hunting big game (e.g., deer, bear, moose)	92%	23%	-29%	-49%	204
Hunting of all types	82%	24%	-27%	-47%	194
Snowmobiling	44%	34%	-19%	-52%	186
Hunting waterfowl, upland game birds, and other small game	67%	25%	-19%	-50%	181
Moderately more formal education					
Non-motorized boating of all types, excluding fishing	-62%	-17%	7%	48%	142
Canoeing/kayaking, excluding fishing	-59%	-16%	8%	46%	138
Snowshoeing	-63%	-2%	-15%	50%	128
Ice skating/hockey outdoors	-57%	-12%	20%	25%	119
Moderately less formal education					
Camping using a camping vehicle (e.g., pop-up/hard-sided trailer)	83%	12%	-13%	-45%	150
Fishing from a boat	42%	20%	-12%	-38%	131
Fishing from shore or dock	55%	13%	-19%	-26%	118
Fishing of all types	44%	13%	-13%	-27%	106
Moderate association--no apparent pattern					
Horseback riding	-31%	24%	-37%	20%	143
Slightly more formal education					
Viewing, identifying or photographing wildflowers, trees, natural vegetation	-31%	-3%	-8%	28%	71
Biking on dirt trails	-46%	3%	6%	11%	58
Biking (bicycling outdoors of all types, including mountain biking)	-25%	-6%	15%	6%	56
Slightly "more middle" formal education					
Camping using a tent for backpacking or canoe-in/boat-in camping	-30%	-1%	31%	-19%	87
Inline skating, rollerblading, roller skating, roller skiing	-26%	-3%	27%	-13%	76
Camping using a tent	6%	-9%	22%	-14%	68
Outdoor court sports (e.g., volleyball, basketball, tennis, horseshoes)	-14%	-4%	23%	-11%	63
Slightly less formal education					
Gather mushrooms, berries, or other wild foods	38%	4%	-30%	9%	85
Motor boating of all types, including fishing from a boat	31%	11%	-1%	-31%	81
Camping of all types	37%	-1%	11%	-29%	77
Motor boating of all types, excluding fishing from a boat	15%	12%	2%	-27%	68
Boating of all types, including fishing from a boat	21%	7%	-4%	-17%	54
Very little association					
Walking/hiking (walking of hiking outdoors for exercise or pleasure)	15%	-1%	0%	-6%	19
Swimming or wading (all places)	9%	2%	1%	-8%	21
Boating of all types, excluding fishing from a boat	1%	5%	-1%	-8%	22
Picnicking	22%	1%	-4%	-8%	31
Viewing, identifying or photographing birds and other wildlife	5%	0%	-11%	10%	31
Swimming or wading in a lake or stream	0%	6%	4%	-13%	32
Swimming or wading in an outdoor pool or water park	0%	-8%	8%	4%	32
Nature observation of all types (viewing, identifying, photographing)	-4%	0%	-10%	13%	34
Visiting historic or archaeological sites	-5%	-2%	-7%	13%	34
Visiting outdoor zoos	-4%	-9%	8%	6%	39
Outdoor field sports (e.g., soccer, softball/baseball, football)	0%	-1%	15%	-15%	41
Driving for pleasure on scenic roads or in a park	19%	5%	-6%	-10%	42
Golfing	5%	-9%	14%	-4%	45
Visiting nature centers	3%	0%	-17%	17%	48
Sledding and snow tubing	-40%	1%	7%	10%	50
* Average distribution of participants across all activities for this demographic characteristic, totaling 100%, is =					
	12%	37%	27%	24%	

** Index measures the size of the deviation from the average activity profile; an index of 100 is the typical size of deviation across activities. An index greater than 150 is considered "strong", while from 101 to 150 is "moderate", from 51 to 100 is "slight", and 50 or less is considered "very little association".

Household income

Lower household income is associated with less overall involvement in outdoor recreation (Figure 16). Part of this difference is due to older Minnesotans, who recreate less overall than younger Minnesotans, having lower incomes. Even with the elimination of people 65+, however, the pattern of less recreation involvement with less income remains.

The trend in Minnesota is to higher household incomes (Figure 17). A continuation of this trend—coupled with the pattern of recreation use by income class—would push per-capita recreation use up in the state.

Certain activities are strongly associated with higher income (e.g., snow skiing and golfing), while others are strongly associated with middle incomes, neither high nor low (e.g., ATV riding, camping with camper vehicle, and snowmobiling) (see Table 14). Most activities, however, have little association, or only a slight association, with this demographic characteristic

Household size

Minnesotans in small households—especially one-person households—recreate less overall (Figure 18). Recreation is a social activity, and not having a companion to recreate with is a major barrier for people living alone. And this effect is large in all but the youngest age class (age 20 to 34). In fact, it is large enough that Minnesotans aged 65+ in multiple-person households recreate at least as much overall as younger Minnesotans (age classes 35 to 64) in single-person households.

The trend in Minnesota is to more single-person households (Figure 19), and smaller households in general (Figure 20). A continuation of this trend—coupled with the pattern of recreation use by household size—would push per-capita recreation use down in the state.

Certain activities are strongly associated with large households (e.g., sledding and hunting big game), while others are strongly associated with smaller households (e.g., cross-county skiing and snowshoeing) (see Table 15). Most activities, however, have little association, or only a slight association, with this demographic characteristic

Figure 16

Index of outdoor recreation use (hours) by annual household income

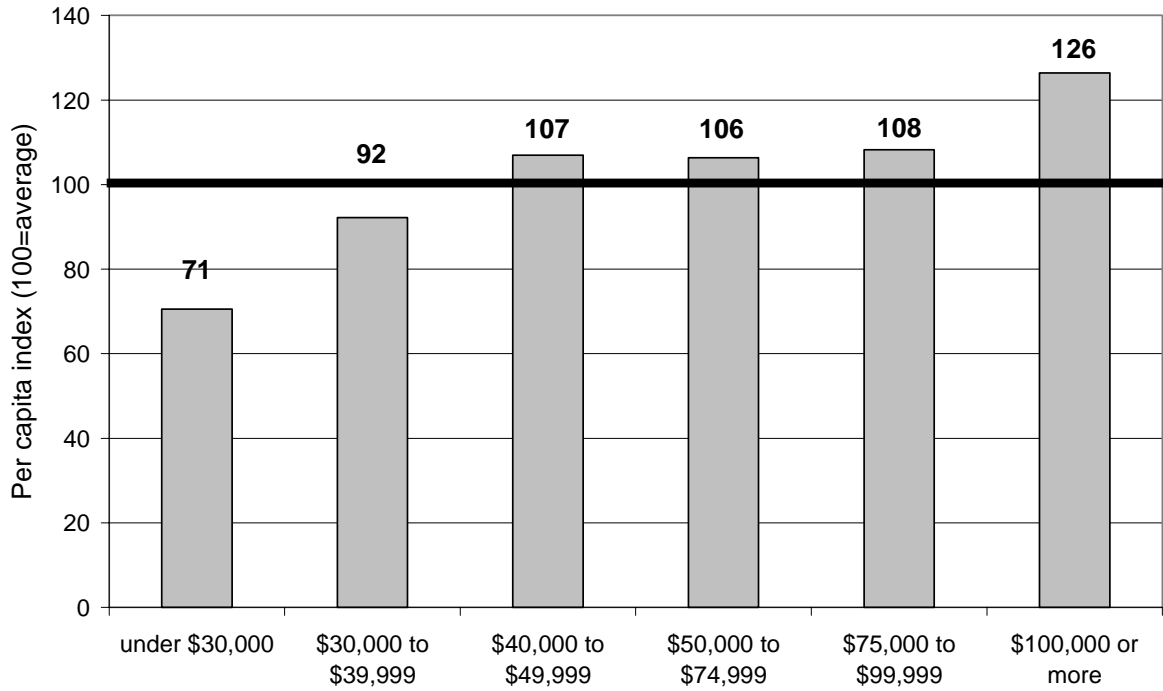


Figure 17

Median annual household income trend in Minnesota
(adjusted to 2000 dollars using the CPI-U)

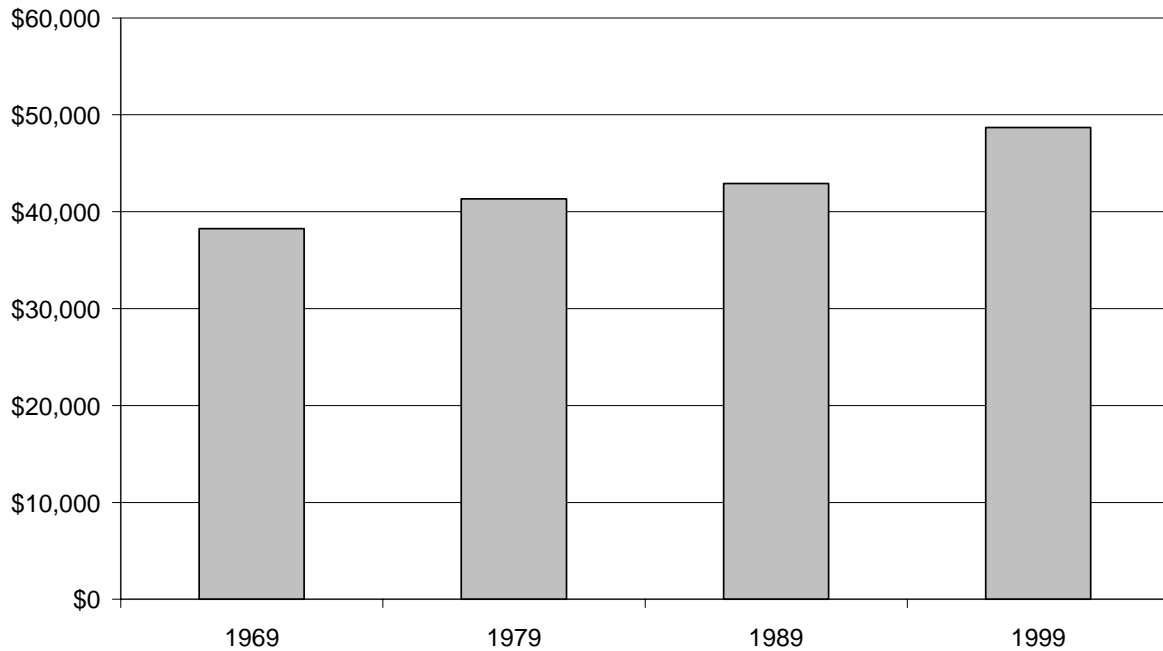


Table 14

Activity associations with: Household income

Activity	----- Percent deviation from average activity profile* -----						Deviation index**
	under \$30,000	\$30,000 to \$39,999	\$40,000 to \$49,999	\$50,000 to \$74,999	\$75,000 to \$99,999	\$100,000 or more	
Strongly higher income							
Cross country skiing	-26%	-40%	-34%	13%	-26%	64%	230
Downhill skiing/snowboarding	5%	-16%	-41%	-20%	8%	56%	182
Golfing	-34%	-19%	-10%	-10%	33%	33%	156
Strongly more middle income							
Offroad ATV driving	-32%	-13%	51%	24%	-28%	-19%	191
Camping using a camping vehicle (e.g., pop-up/hard-sided trailer)	19%	12%	-23%	30%	-18%	-35%	175
Snowmobiling	-43%	14%	-2%	28%	19%	-31%	173
Moderately higher income							
Ice skating/hockey outdoors	-47%	-3%	-2%	-6%	-3%	46%	130
Hunting waterfowl, upland game birds, and other small game	-24%	-50%	4%	21%	15%	3%	128
Moderately lower income							
Gather mushrooms, berries, or other wild foods	48%	18%	-27%	2%	8%	-35%	147
Snowshoeing	37%	-8%	-15%	-13%	21%	-7%	112
Slightly higher income							
Running or jogging	-29%	-21%	6%	1%	-4%	29%	98
Biking on dirt trails	3%	-26%	-5%	-8%	-6%	33%	96
Horseback riding	4%	-28%	4%	-12%	0%	28%	94
Non-motorized boating of all types, excluding fishing	-14%	3%	-27%	5%	11%	11%	76
Canoeing/kayaking, excluding fishing	-15%	6%	-23%	2%	13%	10%	73
Slightly more middle income							
Inline skating, rollerblading, roller skating, roller skiing	-19%	2%	45%	-14%	5%	0%	96
Hunting of all types	-2%	-33%	3%	21%	-4%	-8%	88
Hunting big game (e.g., deer, bear, moose)	1%	-36%	-4%	20%	1%	-7%	84
Boating of all types, excluding fishing from a boat	-21%	20%	-4%	-6%	10%	7%	71
Motor boating of all types, excluding fishing from a boat	-29%	21%	-1%	-1%	7%	6%	64
Viewing, identifying or photographing wildflowers, trees, natural vegetation	3%	26%	8%	-8%	-4%	-8%	62
Sledding and snow tubing	-18%	-3%	11%	1%	18%	-8%	61
Slightly lower income							
Visiting historic or archaeological sites	15%	26%	15%	-8%	-22%	-8%	97
Camping of all types	7%	16%	-4%	12%	1%	-29%	89
Picnicking	34%	9%	4%	-8%	-11%	-13%	87
Driving for pleasure on scenic roads or in a park	30%	18%	-2%	-8%	-3%	-16%	87
Outdoor court sports (e.g., volleyball, basketball, tennis, horseshoes)	11%	7%	14%	-7%	12%	-19%	81
Visiting outdoor zoos	29%	14%	-6%	-5%	-7%	-13%	80
Camping using a tent	8%	18%	-1%	5%	6%	-27%	77
Walking/hiking (walking of hiking outdoors for exercise or pleasure)	23%	14%	3%	-10%	1%	-12%	74
Visiting nature centers	8%	17%	15%	-8%	-7%	-8%	70
Camping using a tent for backpacking or canoe-in/boat-in camping	22%	3%	-6%	0%	11%	-20%	69
Viewing, identifying or photographing birds and other wildlife	12%	20%	2%	-5%	-3%	-12%	60
Nature observation of all types (viewing, identifying, photographing)	14%	16%	2%	-8%	1%	-9%	58
Slight association--no apparent pattern							
Outdoor field sports (e.g., soccer, softball/baseball, football)	5%	2%	8%	-7%	-14%	10%	56
Very little association							
Boating of all types, including fishing from a boat	-6%	14%	1%	-5%	5%	-1%	35
Swimming or wading (all places)	6%	16%	-1%	-3%	-4%	-6%	39
Swimming or wading in an outdoor pool or water park	2%	1%	10%	3%	-22%	4%	44
Swimming or wading in a lake or stream	6%	20%	-11%	0%	1%	-9%	46
Fishing from a boat	-6%	-7%	7%	4%	8%	-8%	46
Fishing of all types	7%	-9%	6%	3%	6%	-12%	48
Motor boating of all types, including fishing from a boat	-10%	16%	5%	-4%	7%	-4%	48
Biking (bicycling outdoors of all types, including mountain biking)	-10%	-9%	-5%	-1%	-1%	18%	49
Fishing from shore or dock	8%	2%	1%	4%	6%	-18%	50
<i>* Average distribution of participants across all activities for this demographic characteristic, totaling 100%, is =</i>	14%	11%	13%	28%	14%	20%	

** Index measures the size of the deviation from the average activity profile; an index of 100 is the typical size of deviation across activities. An index greater than 150 is considered "strong", while from 101 to 150 is "moderate", from 51 to 100 is "slight", and 50 or less is considered "very little association".

Figure 18

Index of outdoor recreation use (hours) by household size

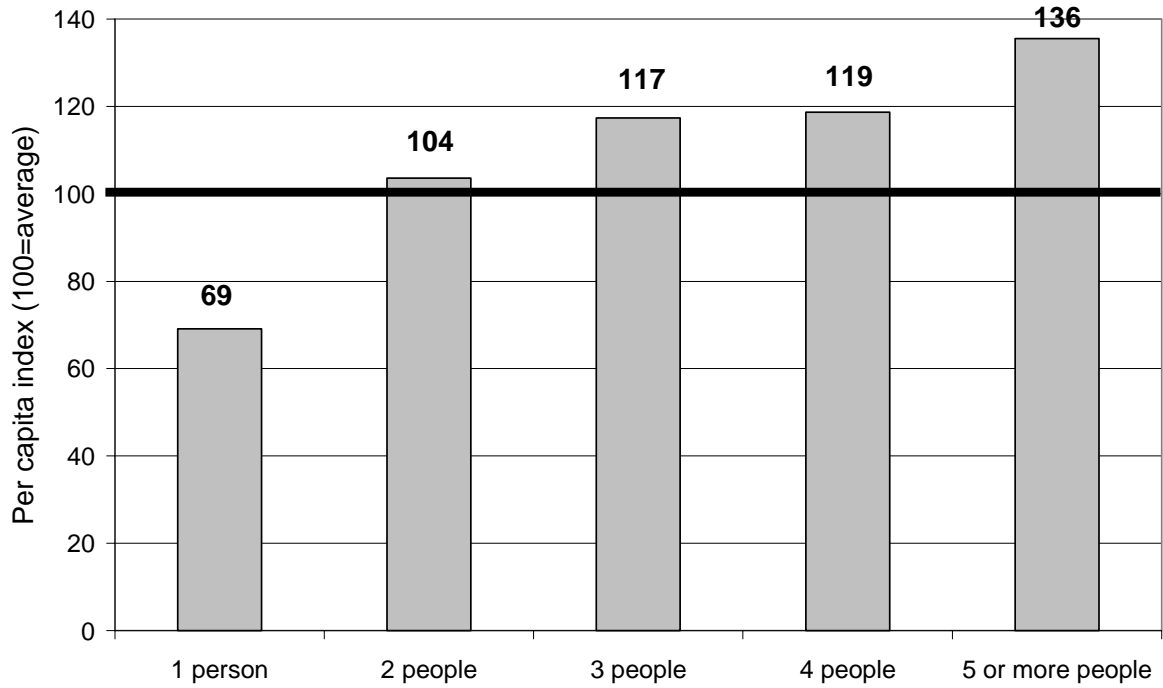


Figure 19

Trends in Minnesota household sizes

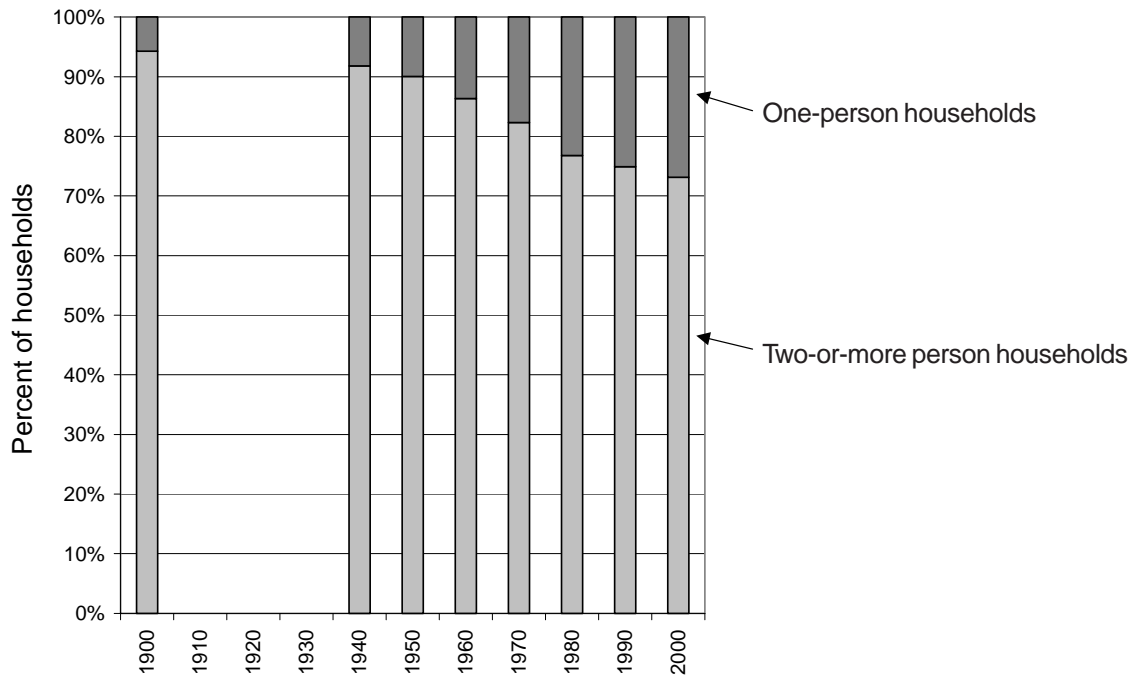


Figure 20

Trends in Minnesota household sizes

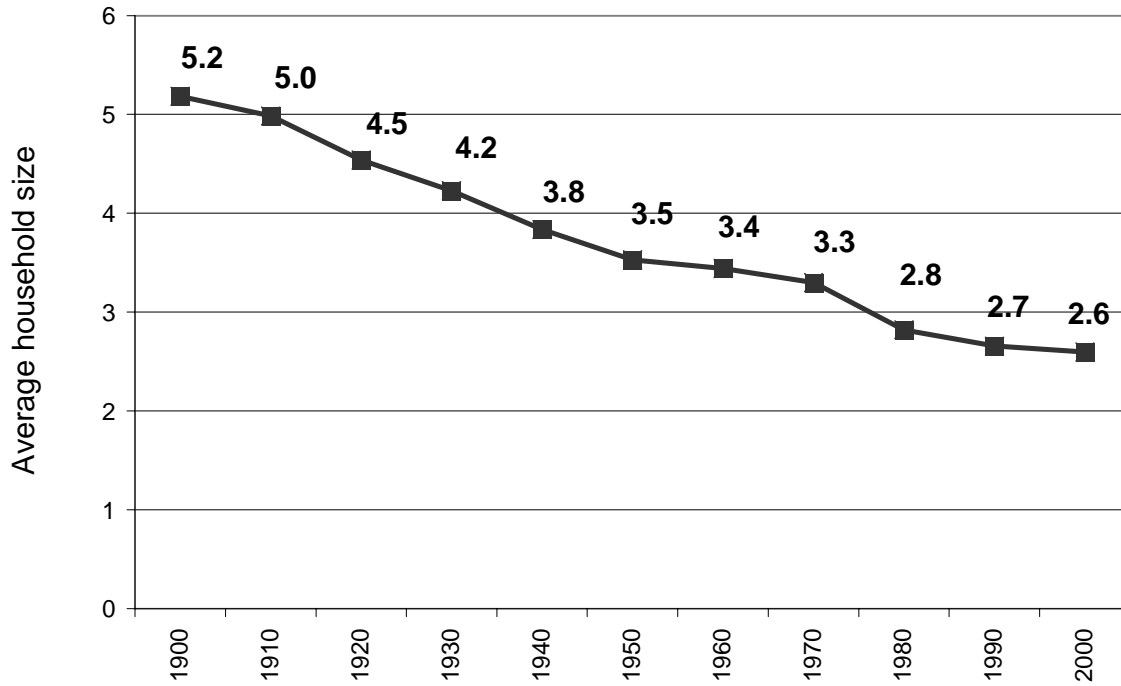


Table 15

Activity associations with: Household size

Activity	----- Percent deviation from average activity profile* -----					Deviation index**
	1 person	2 people	3 people	4 people	5+ people	
Strongly larger households						
Sledding and snow tubing	-49%	-29%	22%	47%	38%	267
Hunting big game (e.g., deer, bear, moose)	-40%	15%	-23%	25%	29%	183
Ice skating/hockey outdoors	-21%	-22%	30%	16%	15%	152
Strongly smaller households						
Cross country skiing	24%	25%	7%	-41%	-40%	193
Snowshoeing	11%	30%	-12%	-46%	9%	168
Moderately larger households						
Hunting waterfowl, upland game birds, and other small game	-35%	-10%	3%	39%	14%	149
Hunting of all types	-35%	8%	-13%	29%	14%	143
Snowmobiling	-25%	-10%	-4%	30%	21%	125
Outdoor field sports (e.g., soccer, softball/baseball, football)	-16%	-18%	7%	24%	19%	123
Camping using a camping vehicle (e.g., pop-up/hard-sided trailer)	-33%	10%	-6%	19%	12%	119
Moderately smaller households						
Viewing, identifying or photographing wildflowers, trees, natural vegetation	30%	9%	5%	-28%	-35%	145
Driving for pleasure on scenic roads or in a park	25%	14%	-13%	-27%	-12%	134
Visiting historic or archaeological sites	33%	8%	-10%	-26%	-18%	134
Walking/hiking (walking of hiking outdoors for exercise or pleasure)	24%	9%	-12%	-16%	-18%	111
Nature observation of all types (viewing, identifying, photographing)	23%	9%	-5%	-18%	-25%	108
Slightly larger households						
Swimming or wading in an outdoor pool or water park	-12%	-15%	20%	5%	18%	97
Offroad ATV driving	-14%	-4%	-2%	3%	33%	66
Slightly smaller households						
Visiting nature centers	22%	4%	-11%	-12%	-13%	87
Running or jogging	15%	10%	-14%	-2%	-25%	86
Viewing, identifying or photographing birds and other wildlife	17%	8%	-6%	-14%	-17%	86
Horseback riding	19%	4%	-20%	-8%	1%	76
Golfing	10%	9%	-12%	-2%	-17%	67
Gather mushrooms, berries, or other wild foods	21%	-6%	0%	-1%	-21%	65
Visiting outdoor zoos	14%	-14%	-2%	7%	-2%	65
Slightly more middle-sized households						
Inline skating, rollerblading, roller skating, roller skiing	6%	-15%	30%	-2%	-18%	97
Downhill skiing/snowboarding	-14%	-1%	31%	-10%	-3%	81
Biking on dirt trails	1%	-10%	13%	10%	-15%	67
Canoeing/kayaking, excluding fishing	-8%	15%	-8%	-4%	-1%	59
Outdoor court sports (e.g., volleyball, basketball, tennis, horseshoes)	-8%	-2%	-8%	19%	-4%	57
Very little association						
Swimming or wading (all places)	3%	-5%	1%	1%	3%	21
Boating of all types, excluding fishing from a boat	1%	2%	-5%	3%	-5%	22
Boating of all types, including fishing from a boat	2%	5%	-6%	0%	-5%	25
Fishing of all types	-5%	-3%	-2%	6%	7%	31
Motor boating of all types, including fishing from a boat	4%	-1%	-5%	6%	-8%	31
Fishing from a boat	-5%	-4%	-1%	11%	-2%	34
Swimming or wading in a lake or stream	2%	-9%	4%	3%	6%	37
Biking (bicycling outdoors of all types, including mountain biking)	-6%	-4%	-1%	8%	9%	39
Fishing from shore or dock	-6%	-1%	-6%	1%	20%	39
Motor boating of all types, excluding fishing from a boat	4%	-5%	-2%	9%	-9%	39
Camping using a tent	-7%	-5%	4%	0%	18%	43
Picnicking	9%	2%	2%	-14%	2%	44
Non-motorized boating of all types, excluding fishing	-3%	11%	-5%	-7%	-1%	44
Camping of all types	-15%	5%	0%	5%	6%	46
Camping using a tent for backpacking or canoe-in/boat-in camping	-4%	-5%	18%	1%	-11%	50

* Average distribution of participants across all activities for this demographic characteristic, totaling 100%, is = 21.5% 27.6% 17.9% 20.9% 12.1%

** Index measures the size of the deviation from the average activity profile; an index of 100 is the typical size of deviation across activities. An index greater than 150 is considered "strong", while from 101 to 150 is "moderate", from 51 to 100 is "slight", and 50 or less is considered "very little association".

Summary of recreation use trends from demographic characteristics and trends

The preceding has shown how the patterns of recreation use by demographic characteristics—coupled with trends in those characteristics—will put upward or downward pressure on recreation involvement. To recapitulate, most characteristics assessed here will push per-capita recreation use down, while a few will push use up, and one (gender) has no effect (Table 16). Please refer to the specific demographic-characteristic section for further discussion of any particular characteristic.

Table 16

Summary table: Recreation use trends associated with demographic characteristics and trends

<u>Associated recreation use trend</u>	<u>Demographic characteristic</u>	<u>Demographic trend</u>
<i>Less use</i>		
Less overall use per capita	Population density of residence (urban-rural)	Increasing urban
Less overall use per capita	Region of Minnesota	Increasing metro area/urban
Less overall use per capita	Age class	Increasing age
Less overall use per capita	Race/ethnicity	More non-white and/or Hispanic
Less overall use per capita	Household size	Smaller sizes
<i>No effect on use</i>		
Neutral	Gender	Neutral
<i>More use</i>		
More overall use per capita	Education	More formal education
More overall use per capita	Household Income	Higher incomes

Demographic clusters of activities

In the preceding sections, it is evident that certain activities have common demographic profiles. For example, ATV riding and hunting usually show up as similar with respect to demographic characteristics. Other activities share similar demographic profiles, too.

To examine which activities have similar demographic profiles, all 32 activities were entered into hierarchical cluster analysis. The 32 activities exclude combination activities (e.g., tent camping and camper-vehicle camping were part of the analysis, but not their combination “camping of all types”).

The demographic characteristics entered into the analysis are all of the preceding, excluding region of residence: population density of residence (urban to rural continuum), age class, gender, race/ethnicity, educational attainment, household income, and household size. Region of residence was excluded because it largely measured the same characteristic as population density of residence. To ensure that every characteristic was treated equally in the analysis, all variables were standardized prior to analysis.

Cluster analysis proceeds from an initial start of 32 clusters (one for each activity), then to the stage of 31 clusters (nearest two clusters merged), then to the stage of 30 (nearest two clusters merged again) and proceeds on to the stage of one single cluster containing all activities. At each stage of the clustering, a similarity coefficient measures how alike the two clusters that merged at the stage are. Examining the changes in the similar coefficient across stages helps with the selection of the number of clusters.

The number of activity clusters selected was six. Six is the smallest number of clusters before further clustering becomes noticeably and progressively more dissimilar (Table 17). At six clusters, however, there are four main clusters, each with four or more activities, and two secondary clusters, comprised of the three smallest activities. One secondary cluster contained two activities (horseback riding and snowshoeing), and the other contained the single activity cross-country skiing. Since these three smallest activities (which together account for less than 1% of all activity time) had associated small sample sizes in the survey, at least part of their demographic profiles may be a product of sampling variation. For this reason, and to simplify the presentation, the two secondary clusters were “placed” into one of the four main clusters where they fit “best”.

The decision on “best” fit was made in the following way: the cluster of horseback riding/snowshoeing merged with one of the four main clusters at a subsequent stage, so it was placed in that cluster (“active recreation activities” cluster); the other secondary cluster comprised of cross-country skiing never merged with another cluster until the final one-cluster stage, and it was “placed” based on judgement (placed into “active recreation activities” cluster).

The four activity clusters are: (1) hunting and motorized trail activities, (2) passive recreation and learning-related activities, (3) active recreation activities, and (4) boating/fishing/camping/golfing activities, for lack of a better descriptor (Tables 18 to 21).

The “hunting and motorized trail activities” cluster contains 10 percent of all recreation by Minnesota adults, and has the following distinctive demographics: more rural, more male, less formal education, more middle income, and larger households (Table 18). To illustrate some of these distinctive demographics, rural men invest 21 percent of their total recreation time on activities in this cluster, while urban women invest 1 percent (here “rural” is lowest and “urban” is highest population-density class). The activities in this cluster are big-game and small-game hunting, snowmobiling, and ATV driving.

The “passive recreation and learning-related activities” cluster contains 40 percent of all recreation by Minnesota adults, and has the following distinctive demographics: older, more female, and smaller households (Table 19). To illustrate some of these distinctive demographics, older women (aged 65+) invest 77 percent of their total recreation time on activities in this cluster, while younger men (aged 20 to 35) invest 23 percent. The activities in this cluster include walking/hiking, nature observation, and visiting nature centers, historic/archaeological sites and outdoor zoos.

Number of activity clusters	Change in similarity coefficient when this number of clusters formed
15	0.01
14	0.03
13	0.34
12	0.08
11	0.02
10	0.24
9	0.09
8	0.05
7	0.02
6	0.03
5	0.27
4	1.14
3	0.72
2	1.29
1	1.25

Table 18

#1: Hunting and Motorized Trail Activities

(10% of total recreation hours)

Activities:

Hunting big game (e.g., deer, bear, moose)
Hunting waterfowl, upland game birds, and other small game
Offroad ATV driving
Snowmobiling

Distinctive demographic characteristics:

More low density (rural)
More male
Less formal education
More middle income
Larger households

Table 19

#2: Passive Recreation and Learning-Related Activities

(40% of total recreation hours)

Activities:

Walking/hiking (walking or hiking outdoors for exercise or pleasure)
Viewing, identifying or photographing birds and other wildlife
Viewing, identifying or photographing wildflowers, trees or other natural vegetation
Picnicking
Driving for pleasure on scenic roads or in a park
Visiting nature centers
Visiting historic or archaeological sites
Visiting outdoor zoos
Gather mushrooms, berries, or other wild foods

Distinctive demographic characteristics:

Older
More female
Smaller households

The “active recreation activities” cluster contains 26 percent of all recreation by Minnesota adults, and has the following distinctive demographics: younger, more urban, and more formal education (Table 20). To illustrate some of these distinctive demographics, younger urban dwellers (aged 20 to 45 in highest population density class) invest 40 percent of their total recreation time on activities in this cluster, while older rural dwellers (aged 55+ in lowest population density class) invest 11 percent. The activities in this cluster include swimming,

Table 20

#3: Active Recreation Activities

(26% of total recreation hours)

Activities:

Swimming or wading in a lake or stream
Swimming or wading in an outdoor pool or water park
Biking (bicycling outdoors of all types, including mountain biking)
Running or jogging
Outdoor field sports (e.g., soccer, softball/baseball, football)
Outdoor court sports (e.g., volleyball, basketball, tennis, horseshoes)
Camping using a tent
Inline skating, rollerblading, roller skating, roller skiing
Non-motorized boating of all types (mainly canoeing)
Downhill skiing/snowboarding
Sledding and snow tubing
Ice skating/hockey outdoors
Cross country skiing**
Horseback riding**
Snowshoeing**

** Placed in this cluster: except for cross-county skiing, the activities joined this cluster at subsequent clustering stages.

Distinctive demographic characteristics:

More high density (urban)
Younger
More formal education

biking, running/jogging, outdoor field/court sports, tent camping, inline skating, non-motorized boating, and downhill skiing/snowboarding.

The “boating/fishing/camping/golfing activities” cluster contains 24 percent of all recreation by Minnesota adults, and has the following distinctive demographics: less urban and more male (Table 21). To illustrate some of these distinctive demographics, rural men (lowest population density class) invest 30 percent of their total recreation time on activities in this cluster, while urban women (highest population density class) invest 11 percent. The activities in this cluster are motor boating, fishing, camper-vehicle camping, and golfing.

Table 21

#4: Boating/Fishing/Camping/Golfing
(24% of total recreation hours)

Activities:

Motor boating of all types, including fishing from a boat

Fishing

Camping using a camping vehicle (e.g., pop-up/hard-sided trailer, 3rd wheel, motorhome)

Golfing

Distinctive demographic characteristics:

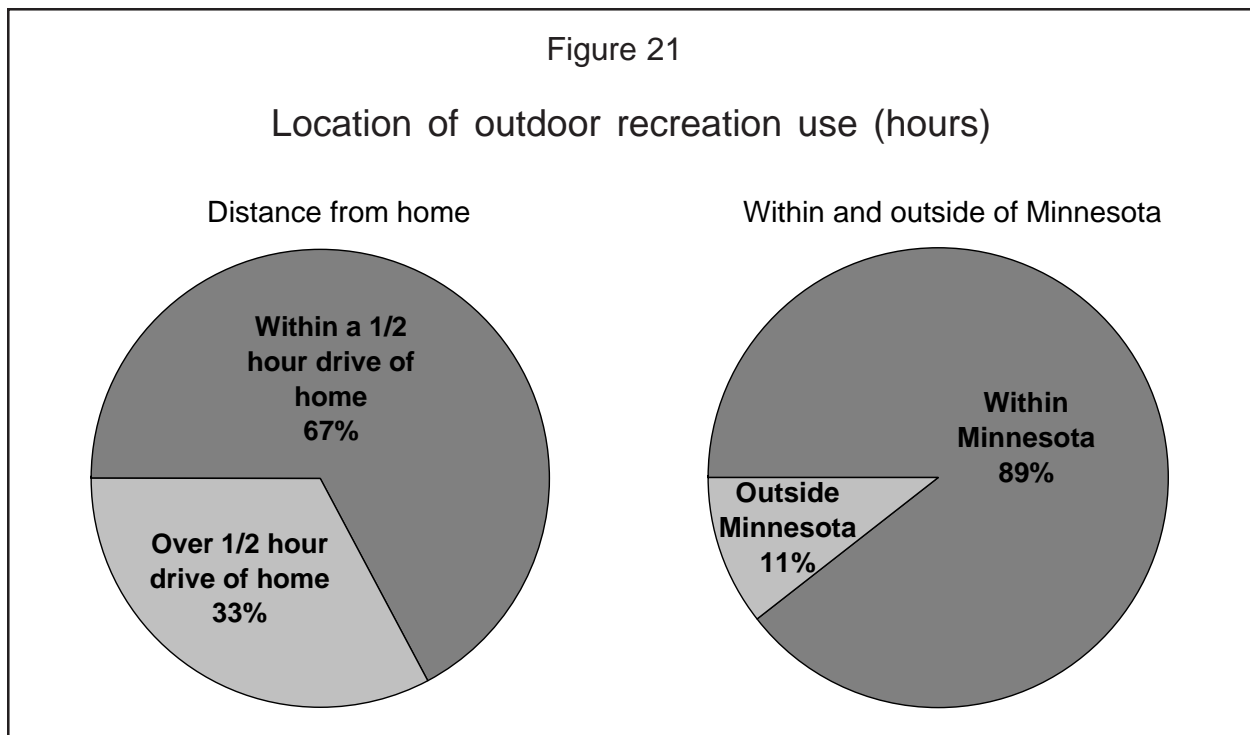
Less high density (less urban)

More male

GEOGRAPHIC PATTERNS OF RECREATION USE

Distance from home and within Minnesota

Most of Minnesotan's outdoor recreation occurs near home and within the state (Figure 21). Just under 70 percent (67%) of all recreation use (hours) is within a half-hour drive of home, and nearly 90 percent (89%) occurs in Minnesota. The relatively local (near-home) nature of outdoor recreation means that local Minnesota providers bear a large responsibility for providing facilities and services for the Minnesota population. Similar results were found in the mid 1980s for recreation use by travel distance from home (Reference 6).



The local nature of recreation is widely shared across population groupings (Table 22). Even those who recreate very little have similar near-home use patterns as those who recreate a great deal. However, there are a few notable differences. Rural dwellers tend to travel less than urban residents, primarily because of the availability of desirable near-home opportunities in rural locations that are lacking in urban locations (e.g., hunting, fishing and boating opportunities--see Appendix B for travel statistics by activity). This same urban-rural pattern is evident in the regional statistics, with the more urban Metro Region having less recreation use

Table 22

Location of outdoor recreation use (hours) by distance from home and occurrence in Minnesota

<u>Population grouping</u>	<u>Percent within 1/2 hour drive of home</u>	<u>Percent within Minnesota</u>	<u>Population grouping</u>	<u>Percent within 1/2 hour drive of home</u>	<u>Percent within Minnesota</u>
OVERALL	67%	89%	Race/ethnicity		
			Non-white and/or Hispanic*	80%	95%
			White, non-Hispanic	66%	89%
Recreation days in last 12 months			Education		
Less than once a month (1 to 10 days)	72%	89%	High school graduate, or some high school	66%	92%
Once a month to once a week (11 to 50 days)	64%	87%	Vocational/technical school, associate degree, or some college	66%	90%
Once to twice a week (51 to 100 days)	65%	88%	Graduated from college	68%	87%
More than twice a week (101+ days)	69%	90%	Some postgraduate study, including postgraduate degrees	70%	88%
Population density of residence (based on 5-digit zip codes in 2000)			Household income		
Low (100 people per square mile or less)	72%	92%	under \$30,000	69%	90%
Medium (101 to 1000)	65%	89%	\$30,000 to \$39,999	73%	91%
High (more than 1000)	65%	88%	\$40,000 to \$49,999	68%	92%
Region of Minnesota			\$50,000 to \$74,999	68%	91%
Northwest	73%	93%	\$75,000 to \$99,999	62%	88%
Northeast	72%	91%	\$100,000 or more	65%	88%
South	71%	89%	Household size		
Central	65%	92%	1 person	67%	90%
Metro (seven county)	64%	88%	2 people	65%	86%
Age			3 people	72%	91%
20-34	65%	92%	4 people	64%	90%
35-44	71%	89%	5+ people	72%	92%
45-54	67%	89%			
55-64	65%	87%			
65+	66%	86%			
Gender					
Male	63%	89%			
Female	73%	90%			

* Fewer than 100 respondents in this breakdown.

near home. In addition, men tend to travel further than women, and white/non-Hispanics more than non-white and/or Hispanics.

Certain activities are more locally-based than others (Table 23). Activities such as ice skating, running/jogging and inline skating have over 90 percent of their recreation time within a half-hour of home. At the other extreme, are the activities for which Minnesotans (and other Midwest residents) travel away from home.

Table 23

Location of outdoor recreation use (hours) from home and within Minnesota by activity

Travel group	Activity	Percent of activity time within 1/2 hour drive of home	Percent of activity time within Minnesota
NEAR HOME (more than 80% within 1/2 hour of home)			
	Ice skating/hockey outdoors	94%	99%
	Running or jogging	93%	96%
	Sledding and snow tubing	93%	98%
	Inline skating, rollerblading, roller skating, roller skiing	91%	97%
	Outdoor court sports (e.g., volleyball, basketball, tennis, horseshoes)	88%	96%
	Horseback riding	86%	89%
	Biking (bicycling outdoors of all types, including mountain biking)	86%	94%
	Walking/hiking (walking of hiking outdoors for exercise or pleasure)	82%	92%
	Outdoor field sports (e.g., soccer, softball/baseball, football)	82%	95%
	Viewing, identifying or photographing birds and other wildlife	81%	91%
	Swimming or wading in an outdoor pool or water park	81%	84%
TYPICAL (60% to 80% within 1/2 hour of home)			
	Viewing, identifying or photographing wildflowers, trees or other natural vegetation	78%	90%
	Cross country skiing	76%	87%
	Golfing	74%	87%
	Gather mushrooms, berries, or other wild foods	73%	92%
	Picnicking	69%	89%
	Visiting nature centers	69%	89%
	Visiting outdoor zoos	68%	91%
	Offroad ATV driving	64%	94%
	Snowmobiling	64%	86%
	Snowshoeing	61%	81%
AWAY FROM HOME (less than 60% within 1/2 hour of home)			
	Camping using a tent	22%	82%
	Camping using a camping vehicle (e.g., pop-up/hard-sided trailer, 3rd wheel, motorhome)	25%	79%
	Visiting historic or archaeological sites	35%	64%
	Nonmotorized boating (excluding fishing)	40%	86%
	Downhill skiing/snowboarding	43%	71%
	Motorboating (excluding fishing)	50%	91%
	Fishing	51%	88%
	Hunting waterfowl, upland game birds, and other small game	52%	90%
	Hunting big game (e.g., deer, bear, moose)	53%	91%
	Driving for pleasure on scenic roads or in a park	53%	85%
	Swimming or wading in a lake or stream	56%	85%

These activities form the backbone of Minnesota’s outdoor recreation tourism industry, much of which is water-based (e.g., boating, fishing, swimming) or otherwise water-related (e.g., camping).

Viewed from a different perspective, overall near-home recreation is comprised of a few key activities (Table 24). Five activities, led by walking/hiking, account for over half (53%) of near-home recreation time, and ten activities make up nearly 80 percent (78%) of near-home use. Opportunities for these near-home activities are provided by the private sector and more-local levels of government (e.g., city, county). A full activity listing—for the state and for regions—is given in Appendix A.

Similarly, overall away-from-home recreation is concentrated in a few activities, led by fishing (Table 25). The top five activities comprise 56 percent of all away-from-home use and the top ten account for 85 percent. Opportunities for these away-from-home activities are provided by the private sector and broader levels of government (e.g., state, federal). These

Table 24

Top 10 activities that comprise recreation use (hours) within 1/2 hour drive of home

<u>Activity</u>	<u>Percent of total recreation use within 1/2 hour drive of home</u>	<u>Cumulative percent</u>
● Walking/hiking (walking of hiking outdoors for exercise or pleasure)	21%	21%
● Nature observation/photography	12%	33%
● Fishing	8%	40%
● Swimming (all types)	7%	47%
● Boating (all types, excluding fishing)	6%	53%
● Golfing	5%	58%
● Biking (bicycling outdoors of all types, including mountain biking)	5%	63%
● Hunting (all types)	5%	68%
● Picnicking	5%	73%
● Running or jogging	4%	78%

Table 25

Top 10 activities that comprise recreation use (hours) over 1/2 hour drive of home

<u>Activity</u>	<u>Percent of total recreation use over 1/2 hour drive of home</u>	<u>Cumulative percent</u>
● Fishing	15%	15%
● Boating (all types, excluding fishing)	12%	27%
● Camping (all types)	10%	37%
● Walking/hiking (walking of hiking outdoors for exercise or pleasure)	10%	47%
● Hunting (all types)	9%	56%
● Swimming (all types)	8%	64%
● Driving for pleasure on scenic roads or in a park	6%	70%
● Nature observation/photography	6%	76%
● Picnicking	4%	81%
● Golfing	4%	85%

activities—as noted above—form the backbone of Minnesota’s outdoor recreation tourism industry, much of which is natural-resource related, especially water-related. A full activity listing—for the state and for regions—is given in Appendix A.

It is important to note that certain activities are large in both the near-home and away-from-home markets (Table 24 and 25). Water-based activities (fishing, boating, swimming) are prime examples, as is walking/hiking, nature observation/photography and hunting. Providing opportunities for such activities tends to be the responsibility of many levels of government and the private sector.

Regional origin-destination recreation use patterns

The current survey provides a partial update of the regional flows of recreation use by Minnesotans. When coupled with geographically explicit origin-destination patterns from a previous study (Reference 9), estimates of current regional recreation use flows can be derived. Estimates are derived as follows : (1) current near-home recreation use (hours) from origin regions is allocated to destination regions based on near-home origin-destination proportions from the previous study; (2) current away-from-home recreation use (hours) from origin regions is allocated to destination regions based on away-from-home origin-destination proportions from the previous study; (3) current out-of-state recreation use (hours) from origin regions is derived directly from the current study; and (4) the assumption is made in 1, 2, and 3 above that all the out-of-state use is part of the away-from-home use. In the preceding, “near-home” is within a half-hour drive of home, and “away-from-home” is over an half hour drive of home.

The predominately near-home nature of recreation use is evident in origin-destination relationships. Most of the recreation use that originates in a region occurs in the same region (Table 26—part A). For the two northern regions, over 80 percent occurs within the region where it originates. The Southern and Central region have between 70 and 80 percent of use occurring within the origin region, while the Metro Region is the lowest at 65 percent. The Metro, Southern and Central Region have inter-regional flows directed primarily to the two northern regions and out of state. The two northern regions have inter-regional flows directed primarily between themselves and out of state.

Table 26

Origin-destination annual recreation use (hour) flows

A. Destination region for origin region's use

----- Percent of origin recreation use going to destination region -----

Origin region	Northwest	Northeast	South	Central	Metro (seven county)		Total percent
					Out of state		
Northwest	81%	7%	1%	2%	2%	7%	100%
Northeast	5%	85%	0%	0%	1%	9%	100%
South	3%	5%	76%	2%	3%	11%	100%
Central	3%	11%	1%	70%	7%	8%	100%
Metro (seven county)	7%	8%	3%	5%	65%	12%	100%

B. Origin region of destination region's use

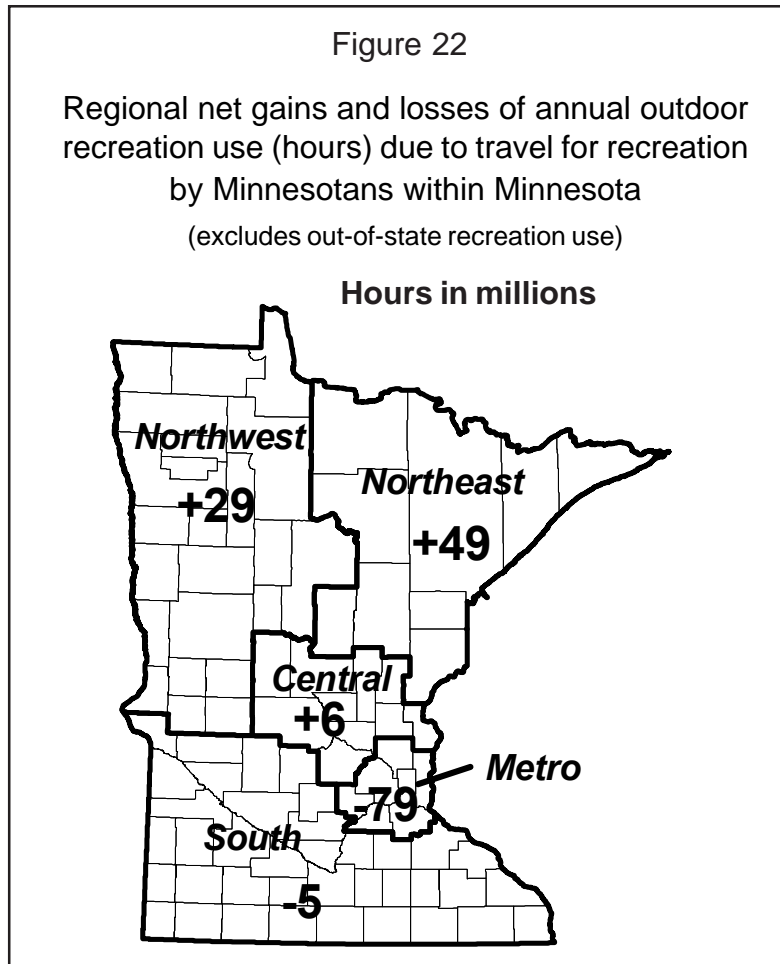
----- Percent of destination recreation use from origin region -----

Origin region	Northwest	Northeast	South	Central	Metro (seven county)		Total percent
					Out of state		
Northwest	61%	4%	1%	1%	1%	6%	
Northeast	4%	53%	0%	0%	0%	8%	
South	6%	7%	89%	3%	2%	21%	
Central	2%	8%	1%	70%	2%	7%	
Metro (seven county)	<u>27%</u>	<u>28%</u>	<u>10%</u>	<u>25%</u>	<u>96%</u>	<u>57%</u>	
Total percent	100%	100%	100%	100%	100%	100%	

Because of these origin-destination patterns, the two northern regions import a large portion of their Minnesota-originated recreation use (Table 26—part B). The Northwest imports 39 percent of its total recreation use from Minnesotans, while the Northeast imports 47 percent. Both northern regions import most of their use from the Metro Region. The Central Region imports 30 percent of its overall use, primarily from the Metro Region. The Southern Region, and especially the Metro Region, import only a small portion of their overall use. Out-of-state destinations receive the majority of their use from Metro and Southern Region residents.

The flow of recreation use between Minnesota regions (Figure 22) is accompanied by the flow of recreation-related spending, which creates economic impacts (e.g., income, jobs) in the regions where the recreation takes place. In Minnesota, there is a general south-to-north flow of recreation use and spending, driven primarily by the flow from the Metro Region to the two northern regions. Additionally,

Minnesota regions receive recreation use and associated spending from non-Minnesotans. The large majority of non-resident use and spending occurs in the two northern regions (Reference 6), which provide attractive lake-forest recreation settings for non-residents and Minnesotans alike.



PARTICIPATION CHANGES OVER LAST FIVE YEARS

To gauge outdoor recreation participation changes, the survey asked Minnesota adults two questions. One question concerned changes in overall recreation involvement, and the other concerning new activities taken up. Both questions were asked over the last five years, the time interval between planned survey repetitions. A “new activity” is any activity the respondent reported as “new”, and could be a very specific activity (e.g., wild turkey hunting) or a broad activity (e.g., hunting). The description of the new activity was hand written by the respondent, and was classified as part of the survey analysis. Classification of new activities attempted to follow—as much as possible—the individual activity listing in the survey. Some new activities, of course, were not part of the survey listing (e.g., SCUBA diving, and dog training).

In terms of overall recreation involvement, the largest group of Minnesotans (46%) report that their number of recreation days has stayed about the same over the last five years (Table 27). More report increases than decreases in recreation days over the five-year period. It should be empathized that these participation changes are “reported” (or “perceived”) changes, and may or may not have actually occurred.

In terms of new activities, less than one-third of Minnesota adults (28%) reported taking up a new activity in the last five years, meaning that the large majority did not take up anything new. Most Minnesotans, it appears, do not regularly adopt new outdoor activities.

A person’s likelihood of taking up a new activity and of reporting an increase in recreation over the last five years are related to their overall involvement in recreation (Table 28). The population groupings with higher per-capita indexes of recreation involvement in 2004 (based on annual hours of use, indexed to 100 for the typical adult) also have higher rates of reporting new activity adoption and of

<u>Response</u>	<u>Percent</u>
Increased	31%
Stayed about the same	46%
Decreased	15%
Don't know / didn't recreate in last 12 months	<u>7%</u>
Total percent	100%

Table 28

Status and trends in overall recreation involvement

Population grouping	Per-capita index of overall outdoor recreation involvement in 2004	Percent having taken up a new activity in last 5 years	Percent having increased their participation in outdoor recreation in last 5 years
Overall	100	28%	31%
Recreation days in last 12 months			
Less than once a month (0 to 10 days)	9	9%	4%
Once a month to once a week (11 to 50 days)	56	26%	27%
Once to twice a week (51 to 100 days)	97	31%	40%
More than twice a week (101+ days)	176	37%	42%
Population density of residence (based on 5-digit zip codes in 2000)			
Low (100 people per square mile or less)	114	24%	29%
Medium (101 to 1000)	105	25%	33%
High (more than 1000)	88	32%	32%
Region of Minnesota			
Northwest	105	21%	28%
Northeast	111	28%	29%
South	101	23%	29%
Central	111	26%	26%
Metro (seven county)	95	31%	34%
Age			
20-34	108	43%	43%
35-44	121	33%	38%
45-54	110	27%	30%
55-64	89	13%	23%
65+	53	5%	9%
Gender			
Male	112	29%	31%
Female	88	27%	31%
Race/ethnicity			
Non-white and/or Hispanic*	83	22%	33%
White, non-Hispanic	101	28%	31%
Education			
High school graduate, or some high school	72	15%	24%
Vocational/technical school, associate degree, or some college	112	29%	37%
Graduated from college	100	34%	30%
Some postgraduate study, including postgraduate degrees	105	32%	31%
Household income			
under \$30,000	71	14%	23%
\$30,000 to \$39,999	92	35%	34%
\$40,000 to \$49,999	107	28%	35%
\$50,000 to \$74,999	106	33%	35%
\$75,000 to \$99,999	108	30%	40%
\$100,000 or more	126	38%	34%
Household size			
1 person	69	21%	23%
2 people	104	30%	31%
3 people	117	38%	36%
4 people	119	30%	41%
5+ people	136	29%	39%

* Fewer than 100 respondents in this breakdown.

reporting increases in days of recreation. In other words, those who are currently more involved in recreation are the most likely to have taken up new activities and to have increased their involvement. These relationships are not exact, however, as shown, for example, for population density in the Table 28. The relationships are of modest strength: the correlation coefficient—across the population groupings in Table 28—is 0.70 between per-capita index of recreation involvement and new activity adoption, and 0.79 between per-capita index and increases in days of recreation.

The most common type of new activity taken up around the state is recreational boating, which accounts for about 10 percent of all new activities reported (Table 29). Boating is followed by biking, camping, off-road driving (mainly ATV), and fishing. It is important to note here that the “new activity” reported could represent a new participant in that activity or an existing participant who took up a different form of the activity

<u>New activity</u>	<u>Percent of all new activities statewide</u>
● Boating (other than fishing)	9.9%
● Biking (bicycling outdoors of all types, including mountain biking)	8.1%
● Camping	7.5%
● Offroad driving (mainly ATV)	7.4%
● Fishing	7.3%
● Walking/Hiking (walking or hiking outdoors for exercise or pleasure)	6.3%
● Hunting	6.0%
● Cross country skiing	5.7%
● Downhill skiing/snowboarding	5.0%
● Golfing	4.8%
● Snowshoeing	4.5%
● Inline skating, rollerblading, roller skating, roller skiing	4.4%
● Snowmobiling	4.0%
● Ice skating/hockey outdoors	2.5%
● Outdoor field sports (e.g., soccer, softball/baseball, football)	2.4%
● Outdoor court sports (e.g., volleyball, basketball, tennis, horseshoes)	2.2%
● Running or jogging	1.7%
● Viewing, identifying, or photographing wildlife, vegetation and landscapes	1.6%
● Gathering/collecting wild products (wild foods, antler shed, rocks)	1.4%
● Driving for pleasure on scenic roads or in a park	1.3%
● Sledding and snow tubing	1.3%
● SCUBA diving/snorkeling	0.8%
● Shooting sports (trap, skeet etc.)	0.7%
● Gardening	0.7%
● Horseback riding	0.7%
● Visiting outdoor attractions (nature centers, zoos, historic or archaeological sites)	0.6%
● Trapping wildlife	0.3%
● Swimming	0.2%
● Dog training (e.g., hunting dog)	0.2%
● Metal detector use	0.1%
● Rock climbing	0.1%
● Racing motorized vehicles	0.1%
● Archery	0.0%
● Orienteering/geo-caching	0.0%
● Outdoor meditation	0.0%
● Airplane flying	0.0%
● Picnicking	0.0%
Total percent	100.0%

(the survey results cannot separate a new participant from an existing participant). For example, some of the new boating participants are totally new to recreational boating, while others were existing boaters who took up a different type of boating (e.g., an existing motorboater who takes up kayaking). Another good example is hunting. Some of the new hunting participants are totally new to hunting, while other were existing hunters who took up a different type of hunting (e.g., an existing waterfowl hunter who takes up deer hunting).

Of all the new activities reported, 97 percent were included in the individual activity listing in the survey. The remaining 3 percent were not included in the survey, and none of these was over 1 percent of new activities. Of this 3 percent, SCUBA diving/snorkeling was the leading activity, and it was followed by shooting sports (trap, skeet), gardening, trapping wildlife, dog training, metal detector use, rock climbing, racing motorized vehicles, archery, orienteering/geo-caching, outdoor meditation, and airplane flying.

The new activities taken up by each region's residents have a fair amount in common with the statewide new activities in Table 29. Of the top 10 new activities statewide, 8 are represented in the top 10 in the Northwest Region, 7 in the Northeast Region, 8 in the Southern Region, 8 in the Central Region, and 9 in the Metro Region. The minimum correlation coefficient between the statewide new-activity percents (Table 29) and any regional percents is 0.75 and the maximum is 0.95. Some of the regional differences are due to activity connections to urban or rural living. For example, the residents in less urban regions report a higher portion of rural-associated activities (e.g., off-road driving, hunting, snowmobiling) than the more urban Metro Region (see Appendix A for new activities by region).

Certain of the leading new activities are large existing activities (e.g., boating), while others are much smaller (e.g., off-road driving). The latter types of activities—compared with the former types—have an accelerating number of participants, who are either totally new to the activity or are new to one distinctive form of the activity (e.g., turkey hunting within hunting).

Such accelerating activities can be identified by comparing the rate of new activity reporting with existing activity participation. The activity with the largest gap between new activity adoption and existing activity participation is offroad driving (mainly ATV), an activity that is well recognized to be growing rapidly in Minnesota (Table 30). The next largest gaps come from a number of snow-related

activities (skiing, snowshoeing). The snow conditions in a series of winters preceding the survey-recall winter were poor, and pent-up demand may have helped to position these activities in Table 30. The other two activities with sizable gaps are boating and hunting, both of which may be due to movement

Table 30

New activities* (with "expected" values) taken up in last 5 years

(Note: "Expected" is the percent that would occur if new activity participants were distributed in the same relative patterns as existing activity participants)

<u>New activities*</u>	<u>Actual percent of all new activities*</u>	<u>Expected percent of all new activities*</u>	<u>Actual - Expected</u>
Actual>Expected (over 3%)			
● Offroad driving (mainly ATV)	8%	2%	5.7%
● Cross country skiing	6%	1%	4.7%
● Snowshoeing	5%	1%	3.8%
● Boating (other than fishing)	10%	7%	3.7%
● Downhill skiing/snowboarding	5%	2%	3.5%
● Hunting	6%	3%	3.3%
Actual near Expected (+/- 3%)			
● Biking (bicycling outdoors of all types, including mountain biking)	8%	5%	3.0%
● Camping	8%	5%	3.0%
● Inline skating, rollerblading, roller skating, roller skiing	5%	2%	2.5%
● Snowmobiling	4%	2%	2.4%
● Fishing	7%	6%	1.9%
● Golfing	5%	4%	0.6%
● Ice skating/hockey outdoors	3%	2%	0.5%
● Horseback riding	1%	1%	-0.1%
● Gathering/collecting wild products (wild foods, antler shed, rocks)	1%	2%	-0.1%
● Running or jogging	2%	3%	-0.8%
● Outdoor court sports (e.g., volleyball, basketball, tennis, horseshoes)	2%	3%	-1.0%
● Outdoor field sports (e.g., soccer, softball/baseball, football)	2%	4%	-1.5%
● Sledding and snow tubing	1%	3%	-2.1%
● Viewing, identifying, or photographing wildlife, vegetation and landscapes	2%	4%	-2.8%
Actual<Expected (less than -3%)			
● Walking/Hiking (walking or hiking outdoors for exercise or pleasure)	6%	10%	-3.6%
● Driving for pleasure on scenic roads or in a park	1%	7%	-5.6%
● Picnicking	0%	7%	-6.6%
● Visiting outdoor attractions (nature centers, zoos, historic or archaeological sites)	1%	8%	-7.0%
● Swimming	0%	8%	-7.3%
Total percent	100%	100%	0%

* Table excludes "new activities" without expected values; excludes some 3% of "new activities".

within the activity or into the activity. At the other extreme, certain activities have lower rates of new activity reporting than would be expected from existing activity participation rates: swimming, visiting outdoor attractions, picnicking, driving for pleasure, and walking/hiking. The bulk of activities are in the middle, with new activity reporting rates that are near expectations from existing participation rates.

When this survey is redone in five years, it will be interesting to compare updated results for Table 30 with measured activity trends, to see how useful Table 30 is to assessing recent changes. In some instances it may prove useful (e.g., offroad/ATV driving), but in others it may not, and the overall utility may be mixed or difficult to interpret.

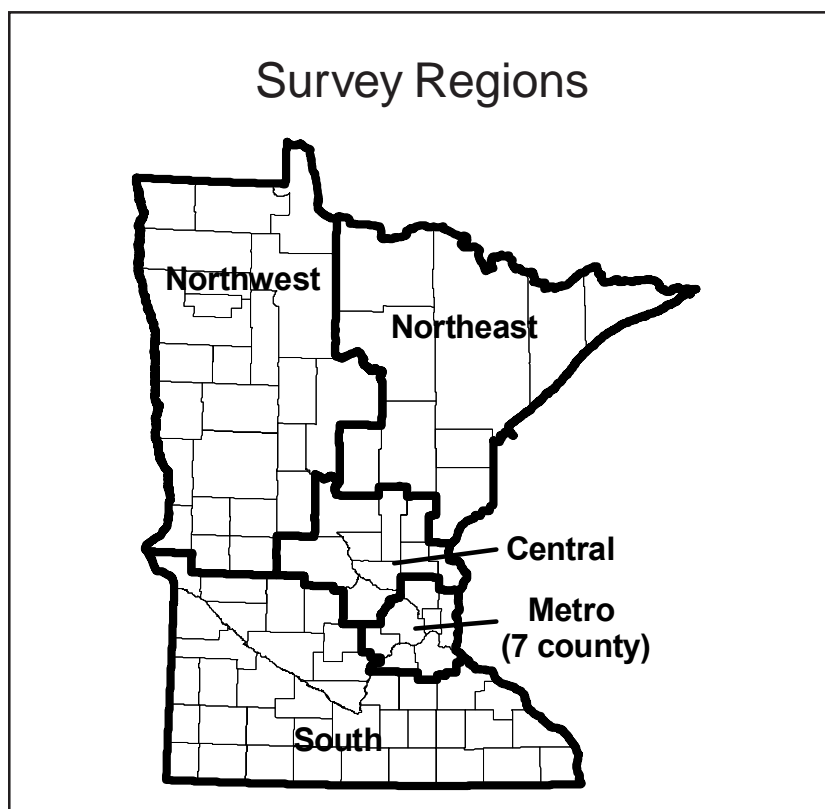
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APPENDIX A: REGIONAL TABLES

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Annual outdoor recreation participation by Minnesotans in Minnesota and elsewhere, 2004
(population 20 years old and older)

Activity	----- Percent of population participating -----					
	Statewide	Northwest Region	Northeast Region	Southern Region	Central Region	Metro Region
Walking/hiking (walking of hiking outdoors for exercise or pleasure)	54%	48%	49%	51%	56%	58%
Boating of all types, including fishing from a boat	43%	43%	42%	40%	45%	44%
<i>Boating of all types, excluding fishing from a boat</i>	36%	36%	34%	32%	35%	37%
<i>Motor boating of all types, including fishing from a boat</i>	39%	41%	39%	35%	43%	40%
<i>Motor boating of all types, excluding fishing from a boat</i>	30%	31%	30%	26%	31%	31%
<i>Non-motorized boating of all types, excluding fishing</i>	15%	12%	12%	14%	12%	17%
<i>Canoeing/kayaking, excluding fishing</i>	14%	11%	12%	13%	11%	16%
Swimming or wading (all places)	41%	37%	38%	38%	41%	43%
<i>Swimming or wading in a lake or stream</i>	37%	37%	37%	33%	38%	38%
<i>Swimming or wading in an outdoor pool or water park</i>	22%	12%	12%	20%	21%	25%
Driving for pleasure on scenic roads or in a park	37%	40%	37%	35%	38%	38%
Picnicking	36%	34%	36%	35%	33%	37%
Fishing of all types	30%	35%	34%	30%	36%	28%
<i>Fishing from a boat</i>	27%	30%	31%	25%	33%	25%
<i>Fishing from shore or dock</i>	20%	25%	25%	21%	24%	18%
Biking (bicycling outdoors of all types, including mountain biking)	29%	19%	20%	26%	28%	33%
<i>Biking on dirt trails</i>	12%	6%	10%	9%	11%	15%
Visiting outdoor zoos	27%	14%	19%	25%	25%	33%
Camping of all types	26%	30%	32%	22%	28%	25%
<i>Camping using a camping vehicle (e.g., pop-up/hard-sided trailer)</i>	13%	19%	18%	13%	18%	10%
<i>Camping using a tent</i>	18%	17%	20%	13%	16%	19%
<i>Camping using a tent for backpacking or canoe-in/boat-in camping</i>	10%	10%	11%	7%	6%	11%
Visiting nature centers	25%	19%	21%	25%	19%	28%
Nature observation of all types (viewing, identifying, photographing)	24%	20%	24%	23%	26%	25%
<i>Viewing, identifying or photographing birds and other wildlife</i>	20%	17%	20%	20%	21%	21%
<i>Viewing, identifying or photographing wildflowers, trees, natural vegetation</i>	18%	13%	17%	15%	21%	20%
Golfing	24%	19%	17%	21%	26%	26%
Outdoor field sports (e.g., soccer, softball/baseball, football)	21%	21%	20%	19%	22%	22%
Visiting historic or archaeological sites	21%	17%	19%	18%	19%	23%
Sledding and snow tubing	18%	15%	16%	16%	19%	20%
Outdoor court sports (e.g., volleyball, basketball, tennis, horseshoes)	18%	15%	13%	16%	20%	19%
Hunting of all types	16%	23%	23%	14%	26%	13%
<i>Hunting big game (e.g., deer, bear, moose)</i>	13%	21%	20%	12%	23%	10%
<i>Hunting waterfowl, upland game birds, and other small game</i>	11%	14%	17%	9%	14%	9%
Running or jogging	14%	6%	9%	13%	8%	18%
Ice skating/hockey outdoors	12%	5%	8%	4%	8%	17%
Inline skating, rollerblading, roller skating, roller skiing	11%	6%	5%	6%	8%	16%
Offroad ATV driving	10%	17%	19%	9%	18%	7%
Snowmobiling	10%	16%	18%	10%	16%	6%
Downhill skiing/snowboarding	9%	3%	5%	9%	8%	11%
Gather mushrooms, berries, or other wild foods	9%	11%	19%	7%	7%	7%
Cross country skiing	7%	4%	6%	4%	4%	9%
Horseback riding	5%	3%	4%	5%	6%	4%
Snowshoeing	4%	2%	8%	3%	3%	5%

Annual outdoor recreation use by Minnesotans in Minnesota and elsewhere, 2004
(population 20 years old and older)

Activity	Statewide (total hours =760, 743)	----- Percent of annual recreation hours (000's) -----				
		Northwest Region (total hours=71,958)	Northeast Region (total hours=72,566)	Southern Region (total hours=152,078)	Central Region (total hours=77,187)	Metro Region (total hours=386,954)
Walking/hiking (walking of hiking outdoors for exercise or pleasure)	17.0%	14.8%	14.2%	17.8%	16.4%	17.8%
Boating of all types, including fishing from a boat	14.2%	16.2%	15.1%	11.2%	15.0%	14.6%
<i>Boating of all types, excluding fishing from a boat</i>	7.6%	7.9%	7.4%	6.2%	7.5%	8.2%
<i>Motor boating of all types, including fishing from a boat</i>	13.0%	14.9%	13.9%	10.4%	13.8%	13.3%
<i>Motor boating of all types, excluding fishing from a boat</i>	6.5%	6.6%	6.2%	5.4%	6.4%	6.9%
<i>Non-motorized boating of all types, excluding fishing</i>	1.2%	1.3%	1.2%	0.8%	1.1%	1.3%
<i>Canoeing/kayaking, excluding fishing</i>	1.0%	1.2%	1.0%	0.8%	1.0%	1.1%
Swimming or wading (all places)	7.0%	6.5%	5.0%	6.2%	7.0%	7.8%
<i>Swimming or wading in a lake or stream</i>	4.8%	5.6%	4.4%	3.7%	4.4%	5.3%
<i>Swimming or wading in an outdoor pool or water park</i>	2.2%	1.0%	0.6%	2.4%	2.6%	2.6%
Driving for pleasure on scenic roads or in a park	4.4%	5.1%	4.4%	4.6%	3.9%	4.3%
Picnicking	4.7%	4.7%	5.4%	5.1%	4.6%	4.5%
Fishing of all types	10.0%	14.3%	11.7%	8.3%	11.4%	9.3%
<i>Fishing from a boat</i>	6.5%	8.2%	7.7%	5.0%	7.4%	6.4%
<i>Fishing from shore or dock</i>	3.5%	6.0%	4.0%	3.3%	4.0%	2.9%
Biking (bicycling outdoors of all types, including mountain biking)	4.2%	2.4%	3.0%	4.1%	4.0%	4.8%
<i>Biking on dirt trails</i>	0.5%	0.3%	0.5%	0.3%	0.4%	0.7%
Visiting outdoor zoos	0.8%	0.3%	0.4%	0.6%	0.4%	1.1%
Camping of all types	4.5%	5.6%	5.0%	4.4%	5.0%	4.1%
<i>Camping using a camping vehicle (e.g., pop-up/hard-sided trailer)</i>	2.9%	4.1%	3.5%	3.4%	3.9%	2.1%
<i>Camping using a tent</i>	1.6%	1.5%	1.6%	0.9%	1.1%	2.0%
<i>Camping using a tent for backpacking or canoe-in/boat-in camping</i>	0.5%	0.6%	0.6%	0.4%	0.2%	0.7%
Visiting nature centers	1.1%	0.7%	0.6%	0.9%	0.5%	1.5%
Nature observation of all types (viewing, identifying, photographing)	10.2%	7.8%	13.8%	14.1%	9.3%	8.6%
<i>Viewing, identifying or photographing birds and other wildlife</i>	5.4%	4.3%	7.8%	7.7%	5.2%	4.3%
<i>Viewing, identifying or photographing wildflowers, trees, natural vegetation</i>	4.7%	3.5%	6.0%	6.3%	4.0%	4.2%
Golfing	4.9%	4.6%	3.5%	4.3%	4.3%	5.5%
Outdoor field sports (e.g., soccer, softball/baseball, football)	2.8%	2.3%	2.0%	2.7%	2.7%	3.1%
Visiting historic or archaeological sites	0.8%	0.6%	1.1%	0.8%	0.6%	0.9%
Sledding and snow tubing	0.7%	0.5%	0.5%	0.5%	0.9%	0.7%
Outdoor court sports (e.g., volleyball, basketball, tennis, horseshoes)	1.5%	1.3%	1.1%	1.6%	1.9%	1.6%
Hunting of all types	6.3%	9.2%	9.4%	6.3%	8.5%	4.8%
<i>Hunting big game (e.g., deer, bear, moose)</i>	3.6%	5.5%	5.2%	2.9%	5.3%	2.8%
<i>Hunting waterfowl, upland game birds, and other small game</i>	2.8%	3.7%	4.3%	3.4%	3.1%	2.0%
Running or jogging	3.2%	0.9%	1.6%	3.4%	1.3%	4.2%
Ice skating/hockey outdoors	0.6%	0.5%	0.5%	0.1%	0.6%	0.9%
Inline skating, rollerblading, roller skating, roller skiing	1.5%	0.5%	0.4%	0.7%	0.9%	2.3%
Offroad ATV driving	2.0%	4.5%	3.2%	2.6%	3.9%	0.7%
Snowmobiling	1.3%	2.8%	3.2%	1.4%	1.5%	0.7%
Downhill skiing/snowboarding	1.1%	0.6%	0.6%	1.7%	0.9%	1.2%
Gather mushrooms, berries, or other wild foods	0.7%	0.9%	1.0%	0.9%	0.4%	0.5%
Cross country skiing	0.5%	0.3%	0.5%	0.2%	0.2%	0.7%
Horseback riding	0.3%	0.3%	0.2%	0.4%	1.3%	0.2%
Snowshoeing	0.1%	0.0%	0.2%	0.1%	0.1%	0.1%

Near-home annual outdoor recreation use by Minnesotans, 2004

("near home" is within a half-hour drive of home; population 20 years old and older)

----- Percent of near-home recreation hours (000's) -----

Activity	Statewide (total hours =511,117)	Northwest Region (total hours=52,780)	Northeast Region (total hours=52,263)	Southern Region (total hours=107,810)	Central Region (total hours=50,208)	Metro Region (total hours=248,057)
Walking/hiking (walking of hiking outdoors for exercise or pleasure)	20.7%	16.4%	15.3%	21.3%	20.0%	22.6%
Boating of all types, including fishing from a boat	10.5%	16.4%	14.0%	8.1%	11.7%	9.1%
<i>Boating of all types, excluding fishing from a boat</i>	5.5%	8.0%	6.9%	4.5%	6.4%	5.0%
<i>Motor boating of all types, including fishing from a boat</i>	9.8%	15.3%	12.9%	7.7%	10.7%	8.5%
<i>Motor boating of all types, excluding fishing from a boat</i>	4.8%	6.8%	5.8%	4.2%	5.5%	4.3%
<i>Non-motorized boating of all types, excluding fishing</i>	0.7%	1.1%	1.2%	0.4%	1.0%	0.6%
<i>Canoeing/kayaking, excluding fishing</i>	0.6%	1.1%	0.9%	0.4%	0.9%	0.4%
Swimming or wading (all places)	6.7%	6.7%	4.9%	5.5%	7.1%	7.5%
<i>Swimming or wading in a lake or stream</i>	4.0%	5.6%	4.4%	2.9%	3.9%	4.2%
<i>Swimming or wading in an outdoor pool or water park</i>	2.7%	1.1%	0.5%	2.6%	3.2%	3.4%
Driving for pleasure on scenic roads or in a park	3.5%	4.3%	3.3%	3.4%	3.2%	3.4%
Picnicking	4.9%	4.4%	5.7%	5.5%	4.8%	4.6%
Fishing of all types	7.6%	14.7%	10.8%	5.9%	8.1%	6.0%
<i>Fishing from a boat</i>	4.9%	8.4%	7.1%	3.6%	5.2%	4.1%
<i>Fishing from shore or dock</i>	2.6%	6.2%	3.7%	2.3%	2.8%	1.9%
Biking (bicycling outdoors of all types, including mountain biking)	5.4%	2.8%	3.8%	5.2%	5.5%	6.3%
<i>Biking on dirt trails</i>	0.7%	0.3%	0.6%	0.4%	0.5%	0.9%
Visiting outdoor zoos	0.8%	0.2%	0.3%	0.4%	0.3%	1.3%
Camping of all types	1.6%	3.1%	2.1%	1.6%	2.1%	1.1%
<i>Camping using a camping vehicle (e.g., pop-up/hard-sided trailer)</i>	1.1%	2.2%	1.4%	1.2%	1.8%	0.6%
<i>Camping using a tent</i>	0.5%	0.9%	0.6%	0.4%	0.3%	0.5%
<i>Camping using a tent for backpacking or canoe-in/boat-in camping</i>	0.2%	0.4%	0.3%	0.2%	0.1%	0.2%
Visiting nature centers	1.1%	0.5%	0.4%	0.7%	0.3%	1.8%
Nature observation of all types (viewing, identifying, photographing)	12.1%	8.6%	16.4%	16.2%	11.0%	10.3%
<i>Viewing, identifying or photographing birds and other wildlife</i>	6.6%	4.7%	9.5%	9.2%	6.4%	5.3%
<i>Viewing, identifying or photographing wildflowers, trees, natural vegetation</i>	5.5%	3.9%	6.9%	7.0%	4.6%	5.0%
Golfing	5.4%	4.8%	3.7%	5.1%	5.0%	6.1%
Outdoor field sports (e.g., soccer, softball/baseball, football)	3.4%	2.6%	2.3%	2.6%	3.2%	4.2%
Visiting historic or archaeological sites	0.4%	0.3%	0.8%	0.3%	0.2%	0.5%
Sledding and snow tubing	0.9%	0.5%	0.7%	0.6%	1.2%	1.1%
Outdoor court sports (e.g., volleyball, basketball, tennis, horseshoes)	2.0%	1.6%	1.2%	2.1%	2.3%	2.1%
Hunting of all types	5.0%	9.2%	9.2%	6.0%	6.9%	2.3%
<i>Hunting big game (e.g., deer, bear, moose)</i>	2.8%	5.4%	5.2%	2.8%	4.4%	1.5%
<i>Hunting waterfowl, upland game birds, and other small game</i>	2.1%	3.8%	4.0%	3.2%	2.5%	0.9%
Running or jogging	4.4%	1.1%	1.9%	4.5%	1.8%	6.2%
Ice skating/hockey outdoors	0.9%	0.6%	0.7%	0.2%	0.7%	1.4%
Inline skating, rollerblading, roller skating, roller skiing	2.0%	0.6%	0.5%	0.8%	1.2%	3.3%
Offroad ATV driving	1.9%	4.3%	3.3%	2.7%	4.3%	0.3%
Snowmobiling	1.3%	2.9%	3.3%	1.4%	1.4%	0.5%
Downhill skiing/snowboarding	0.7%	0.2%	0.4%	1.4%	0.5%	0.7%
Gather mushrooms, berries, or other wild foods	0.7%	1.0%	1.0%	1.1%	0.4%	0.5%
Cross country skiing	0.5%	0.4%	0.6%	0.2%	0.2%	0.8%
Horseback riding	0.4%	0.4%	0.2%	0.6%	1.8%	0.2%
Snowshoeing	0.1%	0.0%	0.3%	0.1%	0.1%	0.1%

Away-from-home annual outdoor recreation use by Minnesotans, 2004
 ("away from home" is over a half-hour drive from home; population 20 years old and older)

---- Percent of away-from-home recreation hours (000's) ----

Activity	Statewide (total hours =249,626)	Northwest Region (total hours=19,178)	Northeast Region (total hours=20,303)	Southern Region (total hours=44,268)	Central Region (total hours=26,979)	Metro Region (total hours=138,897)
Walking/hiking (walking of hiking outdoors for exercise or pleasure)	9.5%	10.5%	11.4%	9.0%	9.6%	9.3%
Boating of all types, including fishing from a boat	21.8%	15.5%	18.0%	18.8%	21.1%	24.5%
<i>Boating of all types, excluding fishing from a boat</i>	11.9%	7.9%	8.8%	10.4%	9.5%	13.9%
<i>Motor boating of all types, including fishing from a boat</i>	19.6%	13.7%	16.7%	16.8%	19.7%	22.0%
<i>Motor boating of all types, excluding fishing from a boat</i>	9.8%	6.1%	7.4%	8.4%	8.1%	11.4%
<i>Non-motorized boating of all types, excluding fishing</i>	2.2%	1.8%	1.3%	2.0%	1.4%	2.5%
<i>Canoeing/kayaking, excluding fishing</i>	2.0%	1.7%	1.2%	1.8%	1.3%	2.3%
Swimming or wading (all places)	7.7%	6.1%	5.1%	7.7%	6.9%	8.4%
<i>Swimming or wading in a lake or stream</i>	6.4%	5.5%	4.3%	5.7%	5.5%	7.2%
<i>Swimming or wading in an outdoor pool or water park</i>	1.3%	0.6%	0.8%	2.1%	1.4%	1.1%
Driving for pleasure on scenic roads or in a park	6.3%	7.1%	7.1%	7.6%	5.2%	5.8%
Picnicking	4.4%	5.5%	4.7%	4.2%	4.4%	4.3%
Fishing of all types	15.1%	13.2%	14.0%	14.0%	17.7%	15.3%
<i>Fishing from a boat</i>	9.8%	7.6%	9.2%	8.4%	11.5%	10.6%
<i>Fishing from shore or dock</i>	5.2%	5.6%	4.8%	5.6%	6.2%	4.7%
Biking (bicycling outdoors of all types, including mountain biking)	1.8%	1.3%	0.9%	1.3%	1.2%	2.3%
<i>Biking on dirt trails</i>	0.2%	0.2%	0.1%	0.1%	0.1%	0.3%
Visiting outdoor zoos	0.7%	0.6%	0.6%	1.0%	0.8%	0.7%
Camping of all types	10.4%	12.7%	12.6%	11.1%	10.5%	9.5%
<i>Camping using a camping vehicle (e.g., pop-up/hard-sided trailer)</i>	6.6%	9.5%	8.7%	8.9%	7.8%	4.9%
<i>Camping using a tent</i>	3.8%	3.2%	3.9%	2.2%	2.7%	4.6%
<i>Camping using a tent for backpacking or canoe-in/boat-in camping</i>	1.3%	1.3%	1.6%	0.8%	0.6%	1.5%
Visiting nature centers	1.1%	1.1%	0.9%	1.4%	0.9%	1.0%
Nature observation of all types (viewing, identifying, photographing)	6.3%	5.7%	7.0%	8.8%	6.1%	5.4%
<i>Viewing, identifying or photographing birds and other wildlife</i>	3.1%	3.1%	3.5%	4.2%	3.2%	2.6%
<i>Viewing, identifying or photographing wildflowers, trees, natural vegetation</i>	3.2%	2.5%	3.5%	4.6%	3.0%	2.8%
Golfing	3.8%	4.0%	3.0%	2.6%	2.9%	4.5%
Outdoor field sports (e.g., soccer, softball/baseball, football)	1.6%	1.5%	1.3%	3.1%	1.8%	1.1%
Visiting historic or archaeological sites	1.6%	1.3%	1.7%	1.9%	1.3%	1.6%
Sledding and snow tubing	0.1%	0.4%	0.2%	0.1%	0.2%	0.1%
Outdoor court sports (e.g., volleyball, basketball, tennis, horseshoes)	0.6%	0.5%	0.6%	0.4%	1.1%	0.5%
Hunting of all types	9.2%	9.0%	10.1%	7.0%	11.5%	9.3%
<i>Hunting big game (e.g., deer, bear, moose)</i>	5.1%	5.6%	5.0%	3.1%	7.2%	5.3%
<i>Hunting waterfowl, upland game birds, and other small game</i>	4.1%	3.3%	5.0%	3.9%	4.3%	4.0%
Running or jogging	0.6%	0.3%	0.6%	0.7%	0.2%	0.8%
Ice skating/hockey outdoors	0.1%	0.2%	0.1%	0.1%	0.4%	0.1%
Inline skating, rollerblading, roller skating, roller skiing	0.4%	0.3%	0.2%	0.3%	0.5%	0.5%
Offroad ATV driving	2.2%	5.3%	3.1%	2.4%	3.2%	1.4%
Snowmobiling	1.5%	2.8%	3.1%	1.5%	1.7%	1.0%
Downhill skiing/snowboarding	2.0%	1.9%	1.0%	2.5%	1.6%	2.0%
Gather mushrooms, berries, or other wild foods	0.6%	0.8%	1.1%	0.4%	0.3%	0.5%
Cross country skiing	0.3%	0.2%	0.4%	0.2%	0.2%	0.5%
Horseback riding	0.1%	0.1%	0.2%	0.1%	0.2%	0.1%
Snowshoeing	0.2%	0.0%	0.2%	0.2%	0.1%	0.2%

New activities taken up in last 5 years
(table ordered from high to low on statewide percent)

New activity	Statewide	Percent of all new activities				
		Northwest Region	Northeast Region	Southern Region	Central Region	Metro Region
● Boating (other than fishing)	9.9%	12.7%	15.8%	5.5%	5.9%	10.7%
● Biking (bicycling outdoors of all types, including mountain biking)	8.1%	2.2%	2.5%	8.5%	9.1%	9.2%
● Camping	7.5%	8.1%	6.7%	4.6%	5.9%	8.7%
● Offroad driving (mainly ATV)	7.4%	8.3%	13.3%	11.1%	13.1%	4.6%
● Fishing	7.3%	9.4%	5.6%	3.9%	6.4%	8.3%
● Walking/Hiking (walking or hiking outdoors for exercise or pleasure)	6.3%	3.7%	5.6%	4.8%	3.9%	7.4%
● Hunting	6.0%	12.3%	4.4%	8.3%	8.1%	4.7%
● Cross country skiing	5.7%	7.5%	2.4%	0.9%	3.9%	7.6%
● Downhill skiing/snowboarding	5.0%	0.0%	5.0%	4.5%	2.1%	6.0%
● Golfing	4.8%	1.2%	2.2%	6.8%	2.8%	5.3%
● Snowshoeing	4.5%	1.2%	6.0%	5.5%	3.7%	4.4%
● Inline skating, rollerblading, roller skating, roller skiing	4.4%	1.7%	2.1%	3.8%	6.5%	4.9%
● Snowmobiling	4.0%	10.0%	10.7%	7.8%	5.6%	1.3%
● Ice skating/hockey outdoors	2.5%	0.6%	2.1%	0.0%	3.6%	3.3%
● Outdoor field sports (e.g., soccer, softball/baseball, football)	2.4%	4.7%	2.1%	3.8%	3.5%	1.6%
● Outdoor court sports (e.g., volleyball, basketball, tennis, horseshoes)	2.2%	0.6%	0.5%	0.0%	1.5%	3.3%
● Running or jogging	1.7%	0.4%	0.0%	3.3%	1.1%	1.7%
● Viewing, identifying, or photographing wildlife, vegetation and landscapes	1.6%	1.9%	1.6%	3.8%	3.3%	0.8%
● Gathering/collecting wild products (wild foods, antler shed, rocks)	1.4%	1.5%	2.6%	2.5%	0.0%	1.2%
● Driving for pleasure on scenic roads or in a park	1.3%	2.2%	0.3%	2.1%	0.9%	1.2%
● Sledding and snow tubing	1.3%	0.0%	0.0%	0.0%	0.0%	2.1%
● SCUBA diving/snorkeling	0.8%	1.2%	0.0%	0.0%	0.0%	1.2%
● Shooting sports (trap, skeet etc.)	0.7%	1.2%	3.0%	1.0%	2.8%	0.0%
● Gardening	0.7%	1.2%	1.1%	2.7%	1.4%	0.0%
● Horseback riding	0.7%	1.7%	0.0%	0.6%	2.1%	0.5%
● Visiting outdoor attractions (nature centers, zoos, historic or archaeological sites)	0.6%	0.0%	0.3%	2.5%	1.5%	0.0%
● Trapping wildlife	0.3%	0.0%	2.5%	0.5%	0.0%	0.0%
● Swimming	0.2%	0.9%	0.0%	0.9%	0.2%	0.0%
● Dog training (e.g., hunting dog)	0.2%	1.7%	0.0%	0.4%	0.0%	0.0%
● Metal detector use	0.1%	1.4%	0.4%	0.0%	0.0%	0.0%
● Rock climbing	0.1%	0.0%	0.0%	0.0%	0.0%	0.2%
● Racing motorized vehicles	0.1%	0.0%	0.5%	0.0%	0.6%	0.0%
● Archery	0.0%	0.4%	0.0%	0.0%	0.2%	0.0%
● Orienteering/geo-caching	0.0%	0.0%	0.3%	0.0%	0.0%	0.0%
● Outdoor meditation	0.0%	0.0%	0.3%	0.0%	0.0%	0.0%
● Airplane flying	0.0%	0.0%	0.0%	0.0%	0.2%	0.0%
● Picnicking	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Total percent	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%

APPENDIX B: INDIVIDUAL ACTIVITY TABLES

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GUIDE TO ACTIVITY TABLES

The tables that follow contain detailed information on each outdoor recreation activity. For a complete description of how these data were collected and processed, refer to the methodological report that accompanies the survey (Reference 3).

All activity tables follow the same format:

- A summary box at the top of each table presents the number of adult participants, days of participation, and the mean and median days of participation per participant.
- The rows contain the standard demographic breakdowns. For each demographic breakdown, the “MN Population” is given. This (as is noted) is the population “as represented by the survey”, and not all of these Minnesota population statistics are exact matches with U.S. Census data. The ones that are exact matches are “total”, “region in MN”, “age”, and “gender”, all of which were the demographic statistics used to weight (or fit) the survey sample to the Minnesota population. For those demographic breakdowns that were not fit in such a fashion (see Table on next page) , the weighted sample represents residential population density (urban/rural) rather well; it is under-representative of non-white and/or Hispanic individuals; it is under-representative of lower income Minnesotans, but the median income is represented well; it is under-representative of lower formal education groups, and is over-representative of higher education groups; and it is roughly representative of household size. This last demographic category has the major differences between household sizes 1 person and 2 people, something the survey instrument itself may account for. In the survey, respondents are asked their household size, *including themselves*, but they commonly forget to include themselves, which leads to more 1 person households, and fewer 2 person households.

The population groupings that are under-represented tend to have lower involvement in outdoor recreation than the other groupings. Thus, interest in the topic of the survey is one probable reason for the under-representation. Additional probable reasons are literacy and language. The survey is a written piece that is written in English and may not easy/possible to read for all Minnesotans.

Representation of Minnesota adult population in recreation survey

Not fit -- results after region, age, gender, and non-respondent sample weighting:

Population grouping	A Recreation survey, 2004 (percent)	B MN Population, 2000 (percent)	C Difference (A - B)
Population density of residence (based on 5-digit zip codes in 2000)			
Low (100 or less)	27%	30%	-2%
Medium (101 to 1000)	27%	26%	2%
High (>1000)	45%	45%	1%
Race/ethnicity (population age 18+)			
Non-white and/or Hispanic	6.3%	9.7%	-3.4%
White, non-Hispanic	94%	90%	3%
Household income			
under \$30,000	22%	30%	-7%
\$30,000 to \$39,999	13%	12%	1%
\$40,000 to \$49,999	13%	11%	2%
\$50,000 to \$74,999	24%	22%	2%
\$75,000 to \$99,999	13%	12%	1%
\$100,000 or more	15%	13%	2%
Education (population age 25+)			
Some high school	4%	12%	-8%
High school graduate	16%	29%	-13%
Vocational/technical school, associate degree, or some college	37%	32%	6%
Graduated from college	22%	19%	3%
Some postgraduate study, including postgraduate degrees	20%	8%	11%
Household size			
1 person	32%	27%	5%
2 people	28%	34%	-6%
3 people	14%	15%	-1%
4 people	16%	14%	2%
5+ people	9%	10%	-1%

- The columns contain—in addition to the MN adult population statistics, as represented by the survey—three sets of information. The first set is on activity participation, and includes percent of population participating annual, percent of participants (can be compared with column 2—percent of MN population—to see disparities in participants vis a vis the MN population), and percent of activity days.

The second set of columns is for avid participants. An avid participant participates more than the median number of days per year and, thus, is less than half of all participants. Avids are the core use group of each activity, usually accounting for at least three-fourths of all activity days. Data for avid participants includes percent of population who are avids, and percent of avid participants.

The third set of columns contains activity-day statistics, and includes the percent of days from avid participants, the percent of days within a one-half hour drive of home, and percent of days within Minnesota.

Some of the activity tables are for combined activities, some are for subdivided activities, and some are for sub-activities. Sub-activities had only partial information collected in the survey, with remaining information estimated from the larger activity that contains the sub-activity.

The combined activities are as follows: boating of all types, motorboating of all types, non-motorized boating of all types, swimming or wading (all places), camping of all types, nature observation of all types, and hunting of all types.

Sub-activities with only partial information (that is, with only annual days of participation anywhere, which automatically identifies participants, too) are as follows: fishing from a boat, biking on dirt trails, and camping using a tent for backpacking or canoe-in/boat-in camping. For these sub-activities, the remaining two data items (percent of days within a half-hour drive of home, and percent of days within Minnesota) were estimated from data for the larger activity that contains the sub-activity. These two data items for the larger activity were applied uniformly across all demographic breakdowns for a sub-activity.

Just one subdivided activity was derived. It is “fishing from shore or dock”, created by subtracting “fishing from a boat” from “fishing of all types.” For “fishing from shore or dock”, two data items (percent of days within a half-hour

drive of home, and percent of days within Minnesota) were estimated from data for “fishing of all types.” These two data items for “fishing of all types” were applied uniformly across all demographic breakdowns for “fishing from shore or dock.”

ACTIVITY: Walking/hiking (walking of hiking outdoors for exercise or pleasure)

Annual participants 20 years old and older (000's) =	1,896
Annual days of participation anywhere (000's) =	105,994
Annual days of participation anywhere per participant:	
mean =	55.9
median =	38

Demographic characteristic	----- MN Population ----- (as represented by survey)		----- Activity participation -----			----- Avid participants ----- (> median days per year)		----- Activity days -----		
	Number	Percent	Percent of population participating	Percent of participants	Percent of activity days	Percent of population who are avids	Percent of avid participants	Percent from avid participants	Percent within 1/2 hour drive of home	Percent within Minnesota
Total	3,484,632	100%	54%	100%	100%	23%	100%	82%	82%	92%
Population density of residence (zip code)										
Low (100 people per sq mile or less)	945,362	27%	49%	24%	29%	23%	27%	86%	82%	91%
Medium (101 to 1000 people per sq. mile)	955,296	27%	55%	28%	25%	21%	26%	80%	81%	92%
High (>1000 people per sq. mile)	1,583,974	45%	58%	48%	47%	24%	47%	81%	82%	92%
Region of MN										
Northwest	311,163	9%	48%	8%	8%	20%	8%	82%	81%	91%
Northeast	296,159	8%	49%	8%	8%	22%	8%	83%	78%	92%
South	687,752	20%	51%	18%	21%	21%	18%	84%	85%	91%
Central	315,532	9%	56%	9%	10%	26%	10%	85%	79%	90%
Metro	1,874,027	54%	58%	57%	53%	24%	55%	81%	81%	92%
Age										
20-34	995,621	29%	61%	32%	26%	23%	28%	74%	82%	92%
35-44	824,181	24%	59%	26%	27%	25%	26%	85%	82%	94%
45-54	665,698	19%	57%	20%	22%	26%	22%	85%	83%	91%
55-64	404,868	12%	54%	12%	12%	23%	12%	82%	78%	88%
65+	594,265	17%	33%	10%	13%	16%	12%	87%	80%	88%
Gender										
Male	1,700,236	49%	53%	48%	44%	19%	42%	79%	79%	91%
Female	1,784,396	51%	56%	52%	56%	26%	58%	84%	84%	92%
Race/ethnicity										
Non-white and/or Hispanic (< 100 respondents)	219,221	6%	48%	5%	5%	23%	6%	87%	88%	96%
White, non-Hispanic	3,265,411	94%	55%	95%	95%	23%	94%	82%	81%	91%
Income										
under \$30,000	773,879	22%	43%	17%	17%	15%	14%	81%	79%	94%
\$30,000 to \$39,999	452,334	13%	55%	13%	14%	23%	13%	83%	82%	93%
\$40,000 to \$49,999	467,456	13%	55%	13%	13%	24%	14%	78%	83%	91%
\$50,000 to \$74,999	834,075	24%	58%	25%	25%	25%	27%	82%	83%	91%
\$75,000 to \$99,999	444,712	13%	60%	14%	13%	26%	14%	82%	80%	92%
\$100,000 or more	512,175	15%	65%	17%	18%	27%	17%	83%	80%	91%
Education										
High school graduate, or some high school	692,471	20%	39%	14%	13%	15%	13%	82%	78%	92%
Vo-tech school, assoc. degree, or some college	1,323,702	38%	53%	37%	36%	22%	36%	82%	82%	91%
Graduated from college	787,629	23%	64%	27%	27%	26%	26%	81%	83%	93%
Postgraduate study/postgraduate degrees	680,830	20%	64%	23%	24%	29%	25%	83%	82%	90%
Household size										
1 person	1,117,414	32%	46%	27%	29%	20%	28%	85%	80%	93%
2 people	984,997	28%	58%	30%	29%	22%	28%	80%	82%	90%
3 people	497,888	14%	59%	16%	17%	26%	17%	83%	81%	92%
4 people	561,432	16%	58%	17%	15%	24%	17%	80%	84%	92%
5+ people	322,901	9%	60%	10%	10%	23%	9%	81%	82%	91%

ACTIVITY: Boating of all types, including fishing from a boat

Annual participants 20 years old and older (000's) =	1,493
Annual days of participation anywhere (000's) =	29,617
Annual days of participation anywhere per participant:	
mean =	19.8
median =	9

Demographic characteristic	----- MN Population ----- (as represented by survey)		----- Activity participation -----			----- Avid participants ----- (> median days per year)		----- Activity days -----		
	Number	Percent	Percent of population participating	Percent of participants	Percent of activity days	Percent of population who are avids	Percent of avid participants	Percent from avid participants	Percent within 1/2 hour drive of home	Percent within Minnesota
Total	3,484,632	100%	43%	100%	100%	21%	100%	90%	50%	89%
Population density of residence (zip code)										
Low (100 people per sq mile or less)	945,362	27%	41%	26%	30%	24%	31%	92%	57%	90%
Medium (101 to 1000 people per sq. mile)	955,296	27%	46%	29%	35%	25%	33%	92%	53%	91%
High (>1000 people per sq. mile)	1,583,974	45%	42%	44%	36%	17%	37%	86%	40%	87%
Region of MN										
Northwest	311,163	9%	43%	9%	11%	25%	11%	93%	63%	93%
Northeast	296,159	8%	42%	8%	10%	24%	10%	93%	60%	90%
South	687,752	20%	40%	18%	16%	20%	19%	88%	52%	86%
Central	315,532	9%	45%	10%	11%	25%	11%	91%	54%	93%
Metro	1,874,027	54%	44%	55%	53%	19%	49%	89%	44%	89%
Age										
20-34	995,621	29%	51%	34%	36%	25%	34%	90%	47%	91%
35-44	824,181	24%	52%	29%	28%	24%	28%	89%	56%	88%
45-54	665,698	19%	44%	20%	18%	23%	21%	90%	47%	88%
55-64	404,868	12%	34%	9%	10%	18%	10%	92%	47%	89%
65+	594,265	17%	20%	8%	8%	9%	7%	89%	52%	91%
Gender										
Male	1,700,236	49%	50%	57%	66%	28%	66%	92%	49%	90%
Female	1,784,396	51%	36%	43%	34%	14%	34%	86%	52%	88%
Race/ethnicity										
Non-white and/or Hispanic (< 100 respondents)	219,221	6%	27%	4%	4%	10%	3%	90%	52%	89%
White, non-Hispanic	3,265,411	94%	44%	96%	96%	22%	97%	90%	50%	90%
Income										
under \$30,000	773,879	22%	26%	13%	9%	11%	12%	86%	56%	86%
\$30,000 to \$39,999	452,334	13%	44%	13%	10%	16%	10%	84%	53%	91%
\$40,000 to \$49,999	467,456	13%	43%	13%	17%	20%	13%	92%	49%	93%
\$50,000 to \$74,999	834,075	24%	49%	27%	23%	25%	28%	88%	50%	91%
\$75,000 to \$99,999	444,712	13%	50%	15%	20%	30%	18%	94%	46%	91%
\$100,000 or more	512,175	15%	58%	20%	21%	29%	20%	90%	54%	88%
Education										
High school graduate, or some high school	692,471	20%	32%	15%	16%	17%	15%	92%	53%	92%
Vo-tech school, assoc. degree, or some college	1,323,702	38%	45%	40%	50%	25%	46%	93%	49%	89%
Graduated from college	787,629	23%	48%	26%	19%	19%	21%	83%	49%	88%
Postgraduate study/postgraduate degrees	680,830	20%	44%	20%	15%	19%	18%	87%	48%	89%
Household size										
1 person	1,117,414	32%	30%	22%	19%	10%	16%	85%	44%	89%
2 people	984,997	28%	44%	29%	33%	22%	30%	92%	50%	89%
3 people	497,888	14%	50%	17%	17%	27%	19%	91%	56%	92%
4 people	561,432	16%	55%	21%	22%	32%	25%	91%	48%	88%
5+ people	322,901	9%	54%	11%	10%	25%	11%	88%	54%	90%

ACTIVITY: Boating of all types, excluding fishing from a boat

Annual participants 20 years old and older (000's) =	1,237
Annual days of participation anywhere (000's) =	17,613
Annual days of participation anywhere per participant:	
mean =	14.2
median =	8

Demographic characteristic	----- MN Population ----- (as represented by survey)		----- Activity participation -----			----- Avid participants ----- (> median days per year)		----- Activity days -----		
	Number	Percent	Percent of population participating	Percent of participants	Percent of activity days	Percent of population who are avids	Percent of avid participants	Percent from avid participants	Percent within 1/2 hour drive of home	Percent within Minnesota
Total	3,484,632	100%	36%	100%	100%	15%	100%	85%	49%	90%
Population density of residence (zip code)										
Low (100 people per sq mile or less)	945,362	27%	33%	25%	26%	16%	29%	87%	63%	92%
Medium (101 to 1000 people per sq. mile)	955,296	27%	37%	29%	35%	17%	32%	89%	54%	92%
High (>1000 people per sq. mile)	1,583,974	45%	36%	46%	39%	13%	39%	81%	35%	87%
Region of MN										
Northwest	311,163	9%	36%	9%	10%	18%	11%	89%	74%	97%
Northeast	296,159	8%	34%	8%	9%	18%	10%	89%	67%	92%
South	687,752	20%	32%	18%	16%	13%	17%	83%	52%	85%
Central	315,532	9%	35%	9%	10%	16%	10%	86%	56%	96%
Metro	1,874,027	54%	37%	56%	54%	14%	51%	85%	39%	89%
Age										
20-34	995,621	29%	43%	35%	35%	17%	34%	85%	43%	93%
35-44	824,181	24%	45%	30%	28%	17%	28%	83%	59%	88%
45-54	665,698	19%	38%	21%	19%	17%	22%	84%	45%	87%
55-64	404,868	12%	27%	9%	10%	13%	10%	90%	44%	89%
65+	594,265	17%	12%	6%	8%	6%	6%	91%	53%	93%
Gender										
Male	1,700,236	49%	40%	54%	63%	19%	63%	89%	47%	91%
Female	1,784,396	51%	32%	46%	37%	11%	37%	79%	52%	88%
Race/ethnicity										
Non-white and/or Hispanic (< 100 respondents)	219,221	6%	24%	4%	2%	6%	2%	75%	52%	90%
White, non-Hispanic	3,265,411	94%	36%	96%	98%	15%	98%	86%	49%	90%
Income										
under \$30,000	773,879	22%	18%	11%	8%	7%	9%	80%	60%	85%
\$30,000 to \$39,999	452,334	13%	39%	14%	11%	15%	12%	84%	54%	92%
\$40,000 to \$49,999	467,456	13%	34%	12%	15%	14%	12%	89%	47%	96%
\$50,000 to \$74,999	834,075	24%	41%	27%	21%	17%	27%	82%	49%	92%
\$75,000 to \$99,999	444,712	13%	44%	15%	20%	22%	18%	90%	43%	92%
\$100,000 or more	512,175	15%	52%	21%	23%	22%	21%	84%	55%	88%
Education										
High school graduate, or some high school	692,471	20%	22%	12%	15%	10%	13%	87%	55%	95%
Vo-tech school, assoc. degree, or some college	1,323,702	38%	37%	39%	47%	18%	46%	89%	48%	90%
Graduated from college	787,629	23%	41%	26%	20%	14%	22%	78%	48%	88%
Postgraduate study/postgraduate degrees	680,830	20%	40%	22%	18%	15%	20%	82%	47%	89%
Household size										
1 person	1,117,414	32%	24%	22%	19%	8%	17%	82%	39%	90%
2 people	984,997	28%	35%	28%	34%	17%	33%	90%	49%	89%
3 people	497,888	14%	42%	17%	18%	18%	17%	85%	59%	94%
4 people	561,432	16%	47%	21%	20%	22%	24%	84%	45%	88%
5+ people	322,901	9%	45%	11%	9%	15%	9%	80%	56%	92%

ACTIVITY: Motor boating of all types, including fishing from a boat

Annual participants 20 years old and older (000's) =	1,365
Annual days of participation anywhere (000's) =	27,111
Annual days of participation anywhere per participant:	
mean =	19.9
median =	9

Demographic characteristic	----- MN Population ----- (as represented by survey)		----- Activity participation -----			----- Avid participants ----- (> median days per year)		----- Activity days -----		
	Number	Percent	Percent of population participating	Percent of participants	Percent of activity days	Percent of population who are avids	Percent of avid participants	Percent from avid participants	Percent within 1/2 hour drive of home	Percent within Minnesota
Total	3,484,632	100%	39%	100%	100%	19%	100%	90%	51%	90%
Population density of residence (zip code)										
Low (100 people per sq mile or less)	945,362	27%	39%	27%	31%	22%	32%	92%	57%	90%
Medium (101 to 1000 people per sq. mile)	955,296	27%	43%	30%	36%	23%	34%	92%	53%	91%
High (>1000 people per sq. mile)	1,583,974	45%	37%	43%	34%	14%	34%	85%	41%	89%
Region of MN										
Northwest	311,163	9%	41%	9%	11%	23%	11%	92%	63%	93%
Northeast	296,159	8%	39%	9%	10%	22%	10%	92%	59%	90%
South	687,752	20%	35%	18%	16%	18%	19%	89%	53%	86%
Central	315,532	9%	43%	10%	11%	24%	12%	91%	53%	92%
Metro	1,874,027	54%	40%	54%	52%	17%	48%	89%	45%	90%
Age										
20-34	995,621	29%	48%	35%	36%	23%	35%	89%	48%	91%
35-44	824,181	24%	45%	27%	28%	21%	26%	90%	57%	90%
45-54	665,698	19%	41%	20%	18%	21%	22%	91%	47%	87%
55-64	404,868	12%	32%	10%	10%	16%	10%	91%	47%	89%
65+	594,265	17%	19%	8%	9%	8%	7%	89%	52%	91%
Gender										
Male	1,700,236	49%	47%	58%	67%	26%	69%	92%	49%	90%
Female	1,784,396	51%	32%	42%	33%	12%	31%	86%	53%	89%
Race/ethnicity										
Non-white and/or Hispanic (<100 respondents)	219,221	6%	22%	3%	4%	9%	3%	91%	53%	90%
White, non-Hispanic	3,265,411	94%	40%	97%	96%	19%	97%	90%	51%	90%
Income										
under \$30,000	773,879	22%	23%	12%	9%	8%	10%	82%	56%	88%
\$30,000 to \$39,999	452,334	13%	41%	13%	10%	15%	10%	86%	54%	90%
\$40,000 to \$49,999	467,456	13%	41%	14%	18%	19%	13%	92%	50%	93%
\$50,000 to \$74,999	834,075	24%	45%	27%	23%	23%	28%	88%	51%	91%
\$75,000 to \$99,999	444,712	13%	46%	15%	19%	27%	18%	93%	47%	90%
\$100,000 or more	512,175	15%	51%	19%	20%	26%	20%	91%	54%	89%
Education										
High school graduate, or some high school	692,471	20%	32%	16%	17%	16%	16%	90%	54%	92%
Vo-tech school, assoc. degree, or some college	1,323,702	38%	43%	41%	51%	24%	49%	93%	50%	89%
Graduated from college	787,629	23%	46%	26%	19%	18%	21%	83%	51%	88%
Postgraduate study/postgraduate degrees	680,830	20%	34%	17%	13%	13%	14%	85%	50%	91%
Household size										
1 person	1,117,414	32%	28%	22%	18%	9%	15%	84%	44%	90%
2 people	984,997	28%	38%	27%	33%	19%	29%	92%	52%	89%
3 people	497,888	14%	46%	17%	16%	24%	18%	90%	57%	93%
4 people	561,432	16%	53%	22%	22%	31%	27%	92%	49%	88%
5+ people	322,901	9%	48%	11%	10%	22%	11%	89%	55%	91%

ACTIVITY: Motor boating of all types, excluding fishing from a boat

Annual participants 20 years old and older (000's) =	1,050
Annual days of participation anywhere (000's) =	15,108
Annual days of participation anywhere per participant:	
mean =	14.4
median =	7.5

Demographic characteristic	----- MN Population ----- (as represented by survey)		----- Activity participation -----			----- Avid participants ----- (> median days per year)		----- Activity days -----		
	Number	Percent	Percent of population participating	Percent of participants	Percent of activity days	Percent of population who are avids	Percent of avid participants	Percent from avid participants	Percent within 1/2 hour drive of home	Percent within Minnesota
Total	3,484,632	100%	30%	100%	100%	12%	100%	85%	50%	91%
Population density of residence (zip code)										
Low (100 people per sq mile or less)	945,362	27%	29%	26%	27%	14%	32%	87%	64%	92%
Medium (101 to 1000 people per sq. mile)	955,296	27%	33%	30%	37%	15%	34%	90%	55%	92%
High (>1000 people per sq. mile)	1,583,974	45%	29%	44%	36%	9%	34%	78%	35%	88%
Region of MN										
Northwest	311,163	9%	31%	9%	10%	16%	12%	88%	75%	97%
Northeast	296,159	8%	30%	9%	9%	15%	10%	87%	67%	91%
South	687,752	20%	26%	17%	17%	11%	18%	86%	55%	84%
Central	315,532	9%	31%	9%	10%	15%	11%	86%	56%	96%
Metro	1,874,027	54%	31%	56%	54%	11%	48%	84%	40%	91%
Age										
20-34	995,621	29%	37%	35%	35%	14%	33%	84%	46%	93%
35-44	824,181	24%	35%	28%	27%	13%	26%	84%	62%	90%
45-54	665,698	19%	33%	21%	19%	14%	23%	84%	44%	86%
55-64	404,868	12%	24%	9%	10%	12%	11%	89%	44%	89%
65+	594,265	17%	11%	6%	9%	5%	7%	90%	52%	93%
Gender										
Male	1,700,236	49%	34%	55%	64%	16%	64%	89%	48%	92%
Female	1,784,396	51%	27%	45%	36%	9%	36%	79%	55%	88%
Race/ethnicity										
Non-white and/or Hispanic (< 100 respondents)	219,221	6%	18%	4%	3%	6%	3%	77%	56%	92%
White, non-Hispanic	3,265,411	94%	31%	96%	97%	13%	97%	85%	50%	91%
Income										
under \$30,000	773,879	22%	14%	10%	8%	4%	7%	75%	62%	88%
\$30,000 to \$39,999	452,334	13%	33%	14%	12%	13%	13%	85%	56%	92%
\$40,000 to \$49,999	467,456	13%	30%	13%	17%	12%	13%	89%	49%	96%
\$50,000 to \$74,999	834,075	24%	36%	28%	21%	13%	26%	80%	52%	93%
\$75,000 to \$99,999	444,712	13%	36%	15%	20%	18%	19%	91%	44%	91%
\$100,000 or more	512,175	15%	44%	21%	23%	18%	21%	84%	56%	89%
Education										
High school graduate, or some high school	692,471	20%	22%	14%	17%	9%	15%	87%	56%	95%
Vo-tech school, assoc. degree, or some college	1,323,702	38%	33%	41%	49%	17%	51%	89%	49%	90%
Graduated from college	787,629	23%	36%	27%	19%	11%	20%	76%	50%	88%
Postgraduate study/postgraduate degrees	680,830	20%	27%	18%	15%	9%	15%	80%	50%	93%
Household size										
1 person	1,117,414	32%	21%	22%	19%	7%	17%	81%	38%	91%
2 people	984,997	28%	28%	26%	35%	14%	32%	90%	52%	90%
3 people	497,888	14%	37%	17%	17%	14%	16%	82%	60%	95%
4 people	561,432	16%	42%	23%	21%	18%	25%	83%	47%	88%
5+ people	322,901	9%	36%	11%	9%	13%	10%	83%	59%	93%

ACTIVITY: Non-motorized boating of all types (mainly canoeing)

Annual participants 20 years old and older (000's) =	522
Annual days of participation anywhere (000's) =	2,505
Annual days of participation anywhere per participant:	
mean =	4.8
median =	3

Demographic characteristic	----- MN Population ----- (as represented by survey)		----- Activity participation -----			----- Avid participants ----- (> median days per year)		----- Activity days -----		
	Number	Percent	Percent of population participating	Percent of participants	Percent of activity days	Percent of population who are avids	Percent of avid participants	Percent from avid participants	Percent within 1/2 hour drive of home	Percent within Minnesota
Total	3,484,632	100%	15%	100%	100%	6%	100%	82%	40%	86%
Population density of residence (zip code)										
Low (100 people per sq mile or less)	945,362	27%	11%	20%	22%	5%	21%	84%	54%	95%
Medium (101 to 1000 people per sq. mile)	955,296	27%	14%	25%	23%	5%	22%	77%	41%	91%
High (>1000 people per sq. mile)	1,583,974	45%	18%	54%	55%	8%	57%	84%	34%	80%
Region of MN										
Northwest	311,163	9%	12%	7%	10%	6%	8%	86%	64%	98%
Northeast	296,159	8%	12%	7%	10%	7%	9%	90%	69%	94%
South	687,752	20%	14%	18%	14%	6%	17%	77%	30%	88%
Central	315,532	9%	12%	8%	10%	7%	9%	89%	56%	97%
Metro	1,874,027	54%	17%	60%	56%	7%	56%	80%	30%	80%
Age										
20-34	995,621	29%	20%	39%	35%	8%	35%	81%	27%	91%
35-44	824,181	24%	19%	31%	32%	8%	32%	83%	46%	78%
45-54	665,698	19%	16%	21%	21%	7%	23%	82%	50%	90%
55-64	404,868	12%	8%	6%	8%	4%	7%	86%	41%	83%
65+	594,265	17%	3%	3%	4%	1%	4%	88%	57%	94%
Gender										
Male	1,700,236	49%	16%	53%	55%	7%	52%	82%	42%	88%
Female	1,784,396	51%	14%	47%	45%	6%	48%	83%	38%	84%
Race/ethnicity										
Non-white and/or Hispanic (< 100 respondents)	219,221	6%	9%	4%	2%	2%	1%	64%	25%	76%
White, non-Hispanic	3,265,411	94%	15%	96%	98%	7%	99%	83%	41%	86%
Income										
under \$30,000	773,879	22%	9%	12%	13%	4%	12%	86%	51%	75%
\$30,000 to \$39,999	452,334	13%	14%	12%	8%	6%	12%	81%	43%	92%
\$40,000 to \$49,999	467,456	13%	11%	10%	8%	3%	7%	69%	25%	95%
\$50,000 to \$74,999	834,075	24%	19%	29%	23%	7%	24%	74%	35%	87%
\$75,000 to \$99,999	444,712	13%	19%	15%	21%	9%	17%	89%	35%	95%
\$100,000 or more	512,175	15%	23%	22%	27%	13%	28%	88%	48%	82%
Education										
High school graduate, or some high school	692,471	20%	4%	5%	4%	2%	6%	88%	43%	77%
Vo-tech school, assoc. degree, or some college	1,323,702	38%	12%	31%	32%	5%	30%	81%	42%	92%
Graduated from college	787,629	23%	19%	29%	27%	10%	34%	85%	35%	88%
Postgraduate study/postgraduate degrees	680,830	20%	28%	36%	37%	10%	29%	81%	42%	81%
Household size										
1 person	1,117,414	32%	10%	21%	23%	4%	22%	86%	43%	87%
2 people	984,997	28%	16%	31%	27%	7%	29%	80%	30%	86%
3 people	497,888	14%	18%	17%	22%	9%	21%	89%	52%	86%
4 people	561,432	16%	18%	19%	17%	7%	17%	78%	36%	84%
5+ people	322,901	9%	20%	12%	11%	7%	10%	72%	40%	89%

ACTIVITY: Canoeing/kayaking (excluding fishing from a canoe/kayak)

Annual participants 20 years old and older (000's) =	485
Annual days of participation anywhere (000's) =	2,123
Annual days of participation anywhere per participant:	
mean =	4.4
median =	2.25

Demographic characteristic	----- MN Population ----- (as represented by survey)		----- Activity participation -----			----- Avid participants ----- (> median days per year)		----- Activity days -----		
	Number	Percent	Percent of population participating	Percent of participants	Percent of activity days	Percent of population who are avids	Percent of avid participants	Percent from avid participants	Percent within 1/2 hour drive of home	Percent within Minnesota
Total	3,484,632	100%	14%	100%	100%	6%	100%	85%	37%	86%
Population density of residence (zip code)										
Low (100 people per sq mile or less)	945,362	27%	11%	21%	24%	5%	23%	88%	53%	95%
Medium (101 to 1000 people per sq. mile)	955,296	27%	13%	25%	22%	6%	24%	80%	38%	89%
High (>1000 people per sq. mile)	1,583,974	45%	17%	54%	54%	8%	54%	86%	30%	80%
Region of MN										
Northwest	311,163	9%	11%	7%	11%	6%	8%	89%	64%	98%
Northeast	296,159	8%	12%	7%	9%	8%	10%	93%	67%	93%
South	687,752	20%	13%	18%	15%	6%	17%	78%	33%	87%
Central	315,532	9%	11%	7%	10%	7%	10%	91%	55%	97%
Metro	1,874,027	54%	16%	60%	55%	7%	55%	83%	25%	79%
Age										
20-34	995,621	29%	19%	40%	37%	8%	37%	83%	25%	93%
35-44	824,181	24%	17%	30%	29%	9%	32%	87%	43%	74%
45-54	665,698	19%	15%	21%	22%	8%	22%	84%	49%	90%
55-64	404,868	12%	7%	6%	8%	3%	6%	87%	34%	80%
65+	594,265	17%	3%	3%	4%	1%	3%	88%	58%	93%
Gender										
Male	1,700,236	49%	15%	52%	55%	7%	56%	87%	40%	89%
Female	1,784,396	51%	13%	48%	45%	6%	44%	83%	35%	82%
Race/ethnicity										
Non-white and/or Hispanic (< 100 respondents)	219,221	6%	9%	4%	2%	2%	1%	64%	19%	74%
White, non-Hispanic	3,265,411	94%	14%	96%	98%	7%	99%	85%	38%	86%
Income										
under \$30,000	773,879	22%	8%	12%	13%	3%	11%	86%	45%	68%
\$30,000 to \$39,999	452,334	13%	14%	12%	9%	6%	12%	83%	41%	92%
\$40,000 to \$49,999	467,456	13%	11%	10%	9%	5%	10%	83%	24%	96%
\$50,000 to \$74,999	834,075	24%	18%	29%	22%	7%	26%	79%	36%	89%
\$75,000 to \$99,999	444,712	13%	18%	16%	22%	9%	17%	89%	31%	95%
\$100,000 or more	512,175	15%	21%	22%	25%	11%	24%	88%	46%	82%
Education										
High school graduate, or some high school	692,471	20%	4%	5%	5%	2%	7%	94%	45%	76%
Vo-tech school, assoc. degree, or some college	1,323,702	38%	11%	31%	34%	6%	32%	86%	40%	93%
Graduated from college	787,629	23%	18%	29%	27%	9%	32%	86%	28%	88%
Postgraduate study/postgraduate degrees	680,830	20%	25%	35%	34%	9%	28%	82%	41%	78%
Household size										
1 person	1,117,414	32%	9%	20%	21%	4%	18%	86%	33%	84%
2 people	984,997	28%	16%	32%	28%	6%	27%	80%	33%	84%
3 people	497,888	14%	16%	16%	23%	9%	21%	92%	48%	86%
4 people	561,432	16%	17%	20%	16%	8%	19%	81%	37%	86%
5+ people	322,901	9%	18%	12%	12%	11%	15%	86%	37%	90%

ACTIVITY: Swimming or wading (all places)

Annual participants 20 years old and older (000's) =	1,423
Annual days of participation anywhere (000's) =	21,927
Annual days of participation anywhere per participant:	
mean =	15.4
median =	9

Demographic characteristic	----- MN Population ----- (as represented by survey)		----- Activity participation -----			----- Avid participants ----- (> median days per year)		----- Activity days -----		
	Number	Percent	Percent of population participating	Percent of participants	Percent of activity days	Percent of population who are avids	Percent of avid participants	Percent from avid participants	Percent within 1/2 hour drive of home	Percent within Minnesota
Total	3,484,632	100%	41%	100%	100%	20%	100%	85%	64%	85%
Population density of residence (zip code)										
Low (100 people per sq mile or less)	945,362	27%	36%	24%	24%	17%	23%	83%	71%	90%
Medium (101 to 1000 people per sq. mile)	955,296	27%	44%	30%	30%	21%	29%	86%	63%	87%
High (>1000 people per sq. mile)	1,583,974	45%	42%	47%	46%	21%	48%	87%	62%	82%
Region of MN										
Northwest	311,163	9%	37%	8%	9%	19%	8%	85%	75%	95%
Northeast	296,159	8%	38%	8%	7%	16%	7%	80%	71%	90%
South	687,752	20%	38%	18%	18%	19%	18%	84%	64%	82%
Central	315,532	9%	41%	9%	10%	22%	10%	89%	66%	95%
Metro	1,874,027	54%	43%	56%	57%	21%	57%	86%	62%	82%
Age										
20-34	995,621	29%	54%	38%	39%	29%	41%	87%	62%	90%
35-44	824,181	24%	48%	28%	33%	25%	30%	88%	68%	80%
45-54	665,698	19%	44%	21%	17%	19%	18%	81%	60%	88%
55-64	404,868	12%	27%	8%	7%	12%	7%	80%	65%	78%
65+	594,265	17%	14%	6%	5%	5%	4%	75%	70%	82%
Gender										
Male	1,700,236	49%	42%	50%	44%	19%	45%	82%	64%	86%
Female	1,784,396	51%	40%	50%	56%	22%	55%	89%	65%	84%
Race/ethnicity										
Non-white and/or Hispanic (< 100 respondents)	219,221	6%	34%	5%	5%	22%	7%	94%	79%	91%
White, non-Hispanic	3,265,411	94%	41%	95%	95%	20%	93%	85%	64%	85%
Income										
under \$30,000	773,879	22%	28%	15%	17%	14%	15%	90%	70%	80%
\$30,000 to \$39,999	452,334	13%	43%	13%	13%	18%	11%	83%	68%	81%
\$40,000 to \$49,999	467,456	13%	40%	13%	13%	19%	12%	86%	69%	95%
\$50,000 to \$74,999	834,075	24%	48%	27%	25%	23%	27%	83%	67%	88%
\$75,000 to \$99,999	444,712	13%	43%	13%	12%	22%	14%	86%	52%	84%
\$100,000 or more	512,175	15%	53%	19%	19%	31%	22%	86%	64%	85%
Education										
High school graduate, or some high school	692,471	20%	28%	13%	10%	11%	11%	81%	71%	91%
Vo-tech school, assoc. degree, or some college	1,323,702	38%	41%	38%	42%	20%	38%	87%	64%	89%
Graduated from college	787,629	23%	49%	27%	25%	24%	27%	84%	67%	86%
Postgraduate study/postgraduate degrees	680,830	20%	46%	22%	23%	25%	24%	87%	60%	74%
Household size										
1 person	1,117,414	32%	29%	22%	20%	12%	18%	80%	60%	90%
2 people	984,997	28%	38%	26%	27%	19%	27%	86%	59%	78%
3 people	497,888	14%	51%	18%	18%	26%	18%	86%	73%	92%
4 people	561,432	16%	53%	21%	23%	30%	24%	90%	63%	82%
5+ people	322,901	9%	56%	12%	12%	26%	12%	85%	76%	89%

ACTIVITY: Swimming or wading in a lake or stream

Annual participants 20 years old and older (000's) =	1,279
Annual days of participation anywhere (000's) =	14,807
Annual days of participation anywhere per participant:	
mean =	11.6
median =	7.5

Demographic characteristic	----- MN Population ----- (as represented by survey)		----- Activity participation -----			----- Avid participants ----- (> median days per year)		----- Activity days -----		
	Number	Percent	Percent of population participating	Percent of participants	Percent of activity days	Percent of population who are avids	Percent of avid participants	Percent from avid participants	Percent within 1/2 hour drive of home	Percent within Minnesota
Total	3,484,632	100%	37%	100%	100%	14%	100%	77%	56%	85%
Population density of residence (zip code)										
Low (100 people per sq mile or less)	945,362	27%	34%	25%	25%	13%	26%	76%	68%	90%
Medium (101 to 1000 people per sq. mile)	955,296	27%	39%	30%	33%	17%	33%	82%	57%	87%
High (>1000 people per sq. mile)	1,583,974	45%	37%	45%	43%	13%	41%	75%	49%	82%
Region of MN										
Northwest	311,163	9%	37%	9%	11%	18%	12%	85%	74%	96%
Northeast	296,159	8%	37%	9%	9%	14%	8%	75%	73%	92%
South	687,752	20%	33%	18%	16%	12%	16%	73%	56%	80%
Central	315,532	9%	38%	9%	9%	16%	11%	79%	56%	96%
Metro	1,874,027	54%	38%	55%	56%	14%	53%	77%	51%	82%
Age										
20-34	995,621	29%	49%	38%	40%	21%	43%	80%	56%	91%
35-44	824,181	24%	44%	29%	32%	16%	27%	78%	59%	78%
45-54	665,698	19%	38%	20%	18%	14%	20%	75%	51%	86%
55-64	404,868	12%	23%	7%	6%	8%	6%	68%	61%	85%
65+	594,265	17%	12%	5%	4%	3%	4%	61%	61%	90%
Gender										
Male	1,700,236	49%	39%	51%	47%	14%	50%	76%	57%	87%
Female	1,784,396	51%	35%	49%	53%	14%	50%	78%	56%	84%
Race/ethnicity										
Non-white and/or Hispanic (< 100 respondents)	219,221	6%	30%	5%	5%	14%	6%	80%	76%	90%
White, non-Hispanic	3,265,411	94%	37%	95%	95%	14%	94%	77%	55%	85%
Income										
under \$30,000	773,879	22%	25%	15%	19%	12%	18%	86%	61%	75%
\$30,000 to \$39,999	452,334	13%	40%	14%	13%	11%	10%	70%	59%	89%
\$40,000 to \$49,999	467,456	13%	32%	12%	10%	11%	10%	73%	61%	98%
\$50,000 to \$74,999	834,075	24%	44%	28%	23%	16%	26%	70%	61%	90%
\$75,000 to \$99,999	444,712	13%	41%	14%	15%	16%	14%	79%	46%	88%
\$100,000 or more	512,175	15%	46%	18%	20%	22%	22%	81%	59%	84%
Education										
High school graduate, or some high school	692,471	20%	23%	12%	11%	9%	13%	80%	67%	92%
Vo-tech school, assoc. degree, or some college	1,323,702	38%	38%	39%	42%	15%	39%	79%	55%	89%
Graduated from college	787,629	23%	45%	28%	24%	17%	26%	73%	60%	86%
Postgraduate study/postgraduate degrees	680,830	20%	40%	21%	23%	16%	22%	78%	49%	75%
Household size										
1 person	1,117,414	32%	26%	22%	21%	8%	17%	70%	51%	92%
2 people	984,997	28%	32%	25%	28%	13%	26%	79%	53%	77%
3 people	497,888	14%	47%	19%	18%	18%	18%	77%	65%	92%
4 people	561,432	16%	48%	21%	22%	22%	25%	80%	53%	85%
5+ people	322,901	9%	52%	13%	11%	21%	13%	80%	69%	86%

ACTIVITY: Swimming or wading in an outdoor pool or water park

Annual participants 20 years old and older (000's) =	750
Annual days of participation anywhere (000's) =	7,120
Annual days of participation anywhere per participant:	
mean =	9.5
median =	4

Demographic characteristic	----- MN Population ----- (as represented by survey)		----- Activity participation -----			----- Avid participants ----- (> median days per year)		----- Activity days -----		
	Number	Percent	Percent of population participating	Percent of participants	Percent of activity days	Percent of population who are avids	Percent of avid participants	Percent from avid participants	Percent within 1/2 hour drive of home	Percent within Minnesota
Total	3,484,632	100%	22%	100%	100%	11%	100%	87%	81%	84%
Population density of residence (zip code)										
Low (100 people per sq mile or less)	945,362	27%	15%	19%	22%	7%	19%	91%	78%	89%
Medium (101 to 1000 people per sq. mile)	955,296	27%	22%	29%	25%	10%	27%	84%	79%	86%
High (>1000 people per sq. mile)	1,583,974	45%	25%	53%	53%	13%	54%	88%	84%	81%
Region of MN										
Northwest	311,163	9%	12%	5%	4%	6%	5%	88%	84%	87%
Northeast	296,159	8%	12%	5%	3%	5%	4%	74%	62%	78%
South	687,752	20%	20%	18%	22%	11%	20%	90%	75%	85%
Central	315,532	9%	21%	9%	12%	12%	10%	91%	81%	93%
Metro	1,874,027	54%	25%	63%	59%	12%	62%	86%	84%	82%
Age										
20-34	995,621	29%	30%	40%	35%	14%	37%	85%	78%	87%
35-44	824,181	24%	28%	32%	36%	14%	32%	88%	86%	83%
45-54	665,698	19%	19%	17%	15%	9%	16%	88%	81%	93%
55-64	404,868	12%	12%	6%	7%	7%	8%	92%	71%	68%
65+	594,265	17%	7%	5%	6%	4%	6%	93%	83%	71%
Gender										
Male	1,700,236	49%	20%	45%	38%	9%	40%	83%	80%	84%
Female	1,784,396	51%	23%	55%	62%	12%	60%	90%	82%	85%
Race/ethnicity										
Non-white and/or Hispanic (< 100 respondents)	219,221	6%	21%	6%	5%	12%	7%	89%	85%	92%
White, non-Hispanic	3,265,411	94%	22%	94%	95%	10%	93%	87%	81%	84%
Income										
under \$30,000	773,879	22%	14%	14%	14%	6%	12%	85%	95%	95%
\$30,000 to \$39,999	452,334	13%	20%	12%	14%	10%	12%	92%	86%	67%
\$40,000 to \$49,999	467,456	13%	24%	14%	17%	13%	16%	92%	80%	91%
\$50,000 to \$74,999	834,075	24%	27%	29%	30%	12%	26%	87%	77%	85%
\$75,000 to \$99,999	444,712	13%	19%	11%	8%	9%	11%	80%	73%	71%
\$100,000 or more	512,175	15%	31%	20%	17%	17%	23%	85%	75%	86%
Education										
High school graduate, or some high school	692,471	20%	13%	12%	8%	4%	8%	77%	86%	88%
Vo-tech school, assoc. degree, or some college	1,323,702	38%	19%	34%	41%	10%	36%	89%	82%	90%
Graduated from college	787,629	23%	27%	29%	27%	14%	30%	87%	80%	86%
Postgraduate study/postgraduate degrees	680,830	20%	28%	25%	25%	15%	27%	88%	80%	72%
Household size										
1 person	1,117,414	32%	13%	19%	19%	6%	17%	86%	82%	88%
2 people	984,997	28%	18%	24%	24%	11%	29%	90%	72%	79%
3 people	497,888	14%	32%	21%	17%	15%	20%	84%	90%	92%
4 people	561,432	16%	29%	22%	25%	14%	21%	88%	80%	76%
5+ people	322,901	9%	34%	14%	16%	14%	12%	88%	86%	92%

ACTIVITY: Driving for pleasure on scenic roads or in a park

Annual participants 20 years old and older (000's) =	1,300
Annual days of participation anywhere (000's) =	15,511
Annual days of participation anywhere per participant:	
mean =	11.9
median =	8

Demographic characteristic	----- MN Population ----- (as represented by survey)		----- Activity participation -----			----- Avid participants ----- (> median days per year)		----- Activity days -----		
	Number	Percent	Percent of population participating	Percent of participants	Percent of activity days	Percent of population who are avids	Percent of avid participants	Percent from avid participants	Percent within 1/2 hour drive of home	Percent within Minnesota
Total	3,484,632	100%	37%	100%	100%	14%	100%	79%	53%	85%
Population density of residence (zip code)										
Low (100 people per sq mile or less)	945,362	27%	36%	26%	31%	13%	26%	82%	57%	89%
Medium (101 to 1000 people per sq. mile)	955,296	27%	35%	26%	27%	13%	26%	79%	50%	87%
High (>1000 people per sq. mile)	1,583,974	45%	39%	48%	43%	14%	48%	77%	53%	82%
Region of MN										
Northwest	311,163	9%	40%	10%	11%	14%	10%	84%	63%	92%
Northeast	296,159	8%	37%	8%	10%	13%	9%	79%	55%	85%
South	687,752	20%	35%	18%	21%	13%	19%	80%	52%	85%
Central	315,532	9%	38%	9%	9%	13%	9%	79%	54%	89%
Metro	1,874,027	54%	38%	54%	50%	14%	54%	77%	51%	84%
Age										
20-34	995,621	29%	41%	31%	26%	12%	25%	71%	63%	90%
35-44	824,181	24%	39%	25%	29%	15%	27%	82%	58%	91%
45-54	665,698	19%	42%	22%	24%	16%	24%	82%	41%	81%
55-64	404,868	12%	37%	12%	12%	16%	14%	82%	51%	76%
65+	594,265	17%	23%	10%	10%	9%	11%	79%	44%	82%
Gender										
Male	1,700,236	49%	38%	50%	50%	12%	45%	77%	51%	84%
Female	1,784,396	51%	36%	50%	50%	15%	55%	81%	56%	87%
Race/ethnicity										
Non-white and/or Hispanic (< 100 respondents)	219,221	6%	37%	6%	7%	15%	7%	87%	79%	92%
White, non-Hispanic	3,265,411	94%	38%	94%	93%	14%	93%	78%	51%	85%
Income										
under \$30,000	773,879	22%	31%	18%	23%	13%	22%	85%	62%	91%
\$30,000 to \$39,999	452,334	13%	39%	13%	15%	15%	14%	82%	62%	88%
\$40,000 to \$49,999	467,456	13%	35%	13%	13%	16%	16%	86%	56%	87%
\$50,000 to \$74,999	834,075	24%	41%	26%	22%	12%	21%	69%	49%	84%
\$75,000 to \$99,999	444,712	13%	40%	14%	12%	10%	10%	68%	55%	88%
\$100,000 or more	512,175	15%	42%	17%	15%	15%	17%	81%	39%	81%
Education										
High school graduate, or some high school	692,471	20%	27%	14%	18%	11%	15%	82%	62%	89%
Vo-tech school, assoc. degree, or some college	1,323,702	38%	38%	39%	45%	15%	43%	84%	54%	87%
Graduated from college	787,629	23%	41%	25%	21%	14%	23%	73%	46%	81%
Postgraduate study/postgraduate degrees	680,830	20%	41%	22%	16%	12%	18%	70%	50%	85%
Household size										
1 person	1,117,414	32%	32%	27%	24%	13%	30%	79%	51%	85%
2 people	984,997	28%	41%	32%	31%	16%	35%	78%	52%	79%
3 people	497,888	14%	40%	16%	18%	14%	15%	82%	53%	85%
4 people	561,432	16%	35%	15%	17%	11%	13%	77%	57%	93%
5+ people	322,901	9%	44%	11%	11%	12%	8%	77%	57%	93%

ACTIVITY: Picnicking

Annual participants 20 years old and older (000's) =	1,245
Annual days of participation anywhere (000's) =	11,627
Annual days of participation anywhere per participant:	
mean =	9.3
median =	5

Demographic characteristic	----- MN Population ----- (as represented by survey)		----- Activity participation -----			----- Avid participants ----- (> median days per year)		----- Activity days -----		
	Number	Percent	Percent of population participating	Percent of participants	Percent of activity days	Percent of population who are avids	Percent of avid participants	Percent from avid participants	Percent within 1/2 hour drive of home	Percent within Minnesota
Total	3,484,632	100%	36%	100%	100%	17%	100%	84%	69%	89%
Population density of residence (zip code)										
Low (100 people per sq mile or less)	945,362	27%	34%	26%	31%	19%	31%	89%	72%	92%
Medium (101 to 1000 people per sq. mile)	955,296	27%	36%	28%	31%	19%	32%	88%	70%	90%
High (>1000 people per sq. mile)	1,583,974	45%	37%	46%	38%	14%	37%	78%	67%	86%
Region of MN										
Northwest	311,163	9%	34%	9%	9%	17%	9%	87%	69%	93%
Northeast	296,159	8%	36%	9%	11%	22%	12%	91%	76%	93%
South	687,752	20%	35%	19%	22%	18%	21%	87%	76%	91%
Central	315,532	9%	33%	9%	10%	18%	10%	89%	67%	91%
Metro	1,874,027	54%	37%	55%	48%	15%	48%	80%	66%	86%
Age										
20-34	995,621	29%	40%	32%	26%	16%	28%	78%	75%	93%
35-44	824,181	24%	43%	29%	30%	21%	30%	86%	71%	84%
45-54	665,698	19%	37%	20%	24%	19%	22%	88%	65%	92%
55-64	404,868	12%	31%	10%	12%	15%	11%	88%	66%	83%
65+	594,265	17%	20%	9%	8%	9%	9%	84%	61%	90%
Gender										
Male	1,700,236	49%	34%	47%	44%	15%	43%	81%	66%	87%
Female	1,784,396	51%	37%	53%	56%	18%	57%	87%	72%	90%
Race/ethnicity										
Non-white and/or Hispanic (< 100 respondents)	219,221	6%	33%	6%	8%	20%	7%	92%	74%	93%
White, non-Hispanic	3,265,411	94%	36%	94%	92%	16%	93%	84%	69%	88%
Income										
under \$30,000	773,879	22%	31%	18%	16%	15%	18%	83%	62%	88%
\$30,000 to \$39,999	452,334	13%	35%	12%	10%	16%	12%	82%	70%	86%
\$40,000 to \$49,999	467,456	13%	37%	13%	14%	19%	15%	87%	80%	92%
\$50,000 to \$74,999	834,075	24%	40%	26%	29%	17%	24%	85%	69%	89%
\$75,000 to \$99,999	444,712	13%	36%	12%	13%	19%	14%	85%	67%	82%
\$100,000 or more	512,175	15%	43%	17%	17%	19%	16%	84%	68%	89%
Education										
High school graduate, or some high school	692,471	20%	27%	15%	15%	13%	15%	86%	63%	94%
Vo-tech school, assoc. degree, or some college	1,323,702	38%	36%	37%	45%	18%	41%	88%	70%	90%
Graduated from college	787,629	23%	40%	26%	19%	17%	23%	76%	70%	85%
Postgraduate study/postgraduate degrees	680,830	20%	41%	22%	20%	18%	21%	83%	71%	85%
Household size										
1 person	1,117,414	32%	26%	23%	20%	10%	20%	81%	71%	88%
2 people	984,997	28%	35%	28%	27%	16%	27%	83%	66%	85%
3 people	497,888	14%	45%	18%	19%	24%	21%	87%	71%	90%
4 people	561,432	16%	39%	18%	19%	16%	16%	83%	69%	94%
5+ people	322,901	9%	48%	12%	15%	29%	16%	91%	72%	87%

ACTIVITY: Fishing of all types

Annual participants 20 years old and older (000's) =	1,054
Annual days of participation anywhere (000's) =	18,391
Annual days of participation anywhere per participant:	
mean =	17.5
median =	9

Demographic characteristic	----- MN Population ----- (as represented by survey)		----- Activity participation -----			----- Avid participants ----- (> median days per year)		----- Activity days -----		
	Number	Percent	Percent of population participating	Percent of participants	Percent of activity days	Percent of population who are avids	Percent of avid participants	Percent from avid participants	Percent within 1/2 hour drive of home	Percent within Minnesota
Total	3,484,632	100%	30%	100%	100%	15%	100%	88%	51%	88%
Population density of residence (zip code)										
Low (100 people per sq mile or less)	945,362	27%	34%	31%	38%	19%	35%	91%	63%	92%
Medium (101 to 1000 people per sq. mile)	955,296	27%	33%	30%	32%	18%	32%	89%	49%	89%
High (>1000 people per sq. mile)	1,583,974	45%	26%	39%	30%	11%	33%	82%	37%	83%
Region of MN										
Northwest	311,163	9%	35%	10%	13%	19%	12%	92%	75%	95%
Northeast	296,159	8%	34%	10%	11%	18%	10%	88%	66%	92%
South	687,752	20%	30%	19%	16%	15%	19%	86%	51%	83%
Central	315,532	9%	36%	11%	12%	19%	12%	87%	46%	95%
Metro	1,874,027	54%	28%	50%	47%	13%	47%	86%	41%	86%
Age										
20-34	995,621	29%	36%	34%	35%	19%	36%	88%	48%	91%
35-44	824,181	24%	35%	28%	29%	18%	28%	89%	54%	87%
45-54	665,698	19%	31%	20%	18%	15%	19%	85%	50%	85%
55-64	404,868	12%	26%	10%	10%	14%	11%	88%	48%	90%
65+	594,265	17%	15%	8%	8%	6%	7%	83%	54%	90%
Gender										
Male	1,700,236	49%	41%	66%	70%	21%	69%	88%	49%	90%
Female	1,784,396	51%	20%	34%	30%	9%	31%	87%	55%	85%
Race/ethnicity										
Non-white and/or Hispanic (< 100 respondents)	219,221	6%	16%	3%	5%	10%	4%	97%	62%	95%
White, non-Hispanic	3,265,411	94%	31%	97%	95%	15%	96%	87%	50%	88%
Income										
under \$30,000	773,879	22%	21%	15%	13%	8%	12%	83%	60%	96%
\$30,000 to \$39,999	452,334	13%	25%	10%	10%	12%	10%	88%	57%	86%
\$40,000 to \$49,999	467,456	13%	32%	14%	20%	18%	16%	92%	55%	92%
\$50,000 to \$74,999	834,075	24%	37%	29%	25%	17%	27%	85%	56%	93%
\$75,000 to \$99,999	444,712	13%	35%	15%	18%	23%	19%	92%	50%	82%
\$100,000 or more	512,175	15%	36%	17%	15%	17%	16%	84%	31%	82%
Education										
High school graduate, or some high school	692,471	20%	27%	17%	20%	14%	18%	89%	57%	95%
Vo-tech school, assoc. degree, or some college	1,323,702	38%	34%	42%	52%	20%	49%	91%	49%	89%
Graduated from college	787,629	23%	31%	23%	18%	13%	20%	82%	51%	79%
Postgraduate study/postgraduate degrees	680,830	20%	27%	18%	10%	9%	12%	79%	47%	91%
Household size										
1 person	1,117,414	32%	20%	21%	17%	8%	17%	83%	45%	88%
2 people	984,997	28%	28%	27%	32%	16%	31%	91%	51%	87%
3 people	497,888	14%	37%	18%	15%	18%	18%	86%	64%	91%
4 people	561,432	16%	41%	22%	23%	22%	24%	87%	42%	88%
5+ people	322,901	9%	43%	13%	12%	19%	11%	87%	56%	90%

ACTIVITY: Fishing from a boat

Annual participants 20 years old and older (000's) =	929
Annual days of participation anywhere (000's) =	12,003
Annual days of participation anywhere per participant:	
mean =	12.9
median =	8

Demographic characteristic	----- MN Population ----- (as represented by survey)		----- Activity participation -----			----- Avid participants ----- (> median days per year)		----- Activity days -----		
	Number	Percent	Percent of population participating	Percent of participants	Percent of activity days	Percent of population who are avids	Percent of avid participants	Percent from avid participants	Percent within 1/2 hour drive of home	Percent within Minnesota
Total	3,484,632	100%	27%	100%	100%	11%	100%	83%	51%	88%
Population density of residence (zip code)										
Low (100 people per sq mile or less)	945,362	27%	30%	30%	35%	15%	35%	87%	51%	88%
Medium (101 to 1000 people per sq. mile)	955,296	27%	31%	32%	34%	15%	35%	86%	51%	88%
High (>1000 people per sq. mile)	1,583,974	45%	22%	38%	31%	8%	30%	75%	51%	88%
Region of MN										
Northwest	311,163	9%	30%	10%	12%	14%	11%	88%	51%	88%
Northeast	296,159	8%	31%	10%	11%	15%	11%	87%	51%	88%
South	687,752	20%	25%	19%	15%	11%	18%	79%	51%	88%
Central	315,532	9%	33%	11%	12%	15%	12%	86%	51%	88%
Metro	1,874,027	54%	25%	50%	50%	10%	47%	82%	51%	88%
Age										
20-34	995,621	29%	32%	34%	36%	14%	34%	83%	51%	88%
35-44	824,181	24%	30%	27%	28%	14%	30%	86%	51%	88%
45-54	665,698	19%	29%	21%	17%	11%	18%	79%	51%	88%
55-64	404,868	12%	21%	9%	10%	11%	11%	87%	51%	88%
65+	594,265	17%	14%	9%	9%	5%	7%	78%	51%	88%
Gender										
Male	1,700,236	49%	37%	68%	71%	17%	72%	83%	51%	88%
Female	1,784,396	51%	17%	32%	29%	6%	28%	83%	51%	88%
Race/ethnicity										
Non-white and/or Hispanic (< 100 respondents)	219,221	6%	13%	3%	6%	9%	5%	98%	51%	88%
White, non-Hispanic	3,265,411	94%	28%	97%	94%	12%	95%	82%	51%	88%
Income										
under \$30,000	773,879	22%	16%	13%	11%	6%	10%	76%	51%	88%
\$30,000 to \$39,999	452,334	13%	22%	11%	9%	8%	9%	81%	51%	88%
\$40,000 to \$49,999	467,456	13%	28%	14%	20%	13%	15%	87%	51%	88%
\$50,000 to \$74,999	834,075	24%	33%	29%	25%	14%	28%	80%	51%	88%
\$75,000 to \$99,999	444,712	13%	32%	15%	18%	17%	19%	87%	51%	88%
\$100,000 or more	512,175	15%	33%	18%	17%	15%	19%	84%	51%	88%
Education										
High school graduate, or some high school	692,471	20%	23%	17%	18%	9%	15%	80%	51%	88%
Vo-tech school, assoc. degree, or some college	1,323,702	38%	32%	44%	54%	17%	55%	88%	51%	88%
Graduated from college	787,629	23%	27%	23%	18%	10%	19%	76%	51%	88%
Postgraduate study/postgraduate degrees	680,830	20%	21%	15%	11%	6%	11%	76%	51%	88%
Household size										
1 person	1,117,414	32%	17%	21%	18%	6%	16%	83%	51%	88%
2 people	984,997	28%	25%	27%	31%	12%	30%	86%	51%	88%
3 people	497,888	14%	33%	18%	15%	14%	17%	79%	51%	88%
4 people	561,432	16%	38%	23%	25%	18%	26%	83%	51%	88%
5+ people	322,901	9%	35%	12%	11%	13%	11%	82%	51%	88%

ACTIVITY: Fishing from shore

Annual participants 20 years old and older (000's) =	704
Annual days of participation anywhere (000's) =	6,388
Annual days of participation anywhere per participant:	
mean =	9.1
median =	4

Demographic characteristic	----- MN Population ----- (as represented by survey)		----- Activity participation -----			----- Avid participants ----- (> median days per year)		----- Activity days -----		
	Number	Percent	Percent of population participating	Percent of participants	Percent of activity days	Percent of population who are avids	Percent of avid participants	Percent from avid participants	Percent within 1/2 hour drive of home	Percent within Minnesota
Total	3,484,632	100%	20%	100%	100%	10%	100%	89%	51%	88%
Population density of residence (zip code)										
Low (100 people per sq mile or less)	945,362	27%	25%	34%	45%	14%	38%	92%	51%	88%
Medium (101 to 1000 people per sq. mile)	955,296	27%	21%	29%	27%	12%	32%	90%	51%	88%
High (>1000 people per sq. mile)	1,583,974	45%	17%	37%	27%	7%	30%	82%	51%	88%
Region of MN										
Northwest	311,163	9%	25%	11%	16%	15%	14%	94%	51%	88%
Northeast	296,159	8%	25%	11%	11%	12%	10%	88%	51%	88%
South	687,752	20%	21%	21%	19%	11%	21%	89%	51%	88%
Central	315,532	9%	24%	11%	12%	14%	12%	91%	51%	88%
Metro	1,874,027	54%	18%	47%	42%	8%	44%	87%	51%	88%
Age										
20-34	995,621	29%	24%	34%	33%	12%	34%	87%	51%	88%
35-44	824,181	24%	23%	28%	30%	11%	27%	90%	51%	88%
45-54	665,698	19%	21%	20%	18%	10%	19%	88%	51%	88%
55-64	404,868	12%	19%	11%	11%	11%	13%	91%	51%	88%
65+	594,265	17%	9%	7%	7%	5%	8%	90%	51%	88%
Gender										
Male	1,700,236	49%	28%	67%	68%	15%	74%	90%	51%	88%
Female	1,784,396	51%	13%	33%	32%	5%	26%	87%	51%	88%
Race/ethnicity										
Non-white and/or Hispanic (< 100 respondents)	219,221	6%	10%	3%	5%	7%	4%	97%	51%	88%
White, non-Hispanic	3,265,411	94%	21%	97%	95%	11%	96%	89%	51%	88%
Income										
under \$30,000	773,879	22%	14%	15%	17%	6%	14%	91%	51%	88%
\$30,000 to \$39,999	452,334	13%	18%	12%	12%	9%	12%	89%	51%	88%
\$40,000 to \$49,999	467,456	13%	20%	13%	20%	13%	17%	95%	51%	88%
\$50,000 to \$74,999	834,075	24%	25%	29%	24%	11%	27%	85%	51%	88%
\$75,000 to \$99,999	444,712	13%	23%	15%	17%	15%	18%	92%	51%	88%
\$100,000 or more	512,175	15%	23%	16%	10%	9%	13%	76%	51%	88%
Education										
High school graduate, or some high school	692,471	20%	19%	19%	24%	12%	22%	93%	51%	88%
Vo-tech school, assoc. degree, or some college	1,323,702	38%	22%	42%	50%	13%	48%	92%	51%	88%
Graduated from college	787,629	23%	19%	22%	17%	9%	20%	84%	51%	88%
Postgraduate study/postgraduate degrees	680,830	20%	19%	18%	10%	5%	10%	72%	51%	88%
Household size										
1 person	1,117,414	32%	13%	20%	15%	6%	18%	85%	51%	88%
2 people	984,997	28%	19%	27%	35%	12%	33%	92%	51%	88%
3 people	497,888	14%	24%	17%	16%	10%	14%	86%	51%	88%
4 people	561,432	16%	26%	21%	20%	14%	22%	89%	51%	88%
5+ people	322,901	9%	32%	15%	14%	15%	14%	89%	51%	88%

ACTIVITY: Biking (bicycling outdoors of all types, including mountain biking)

Annual participants 20 years old and older (000's) =	1,011
Annual days of participation anywhere (000's) =	22,436
Annual days of participation anywhere per participant:	
mean =	22.2
median =	15

Demographic characteristic	----- MN Population ----- (as represented by survey)		----- Activity participation -----			----- Avid participants ----- (> median days per year)		----- Activity days -----		
	Number	Percent	Percent of population participating	Percent of participants	Percent of activity days	Percent of population who are avids	Percent of avid participants	Percent from avid participants	Percent within 1/2 hour drive of home	Percent within Minnesota
Total	3,484,632	100%	29%	100%	100%	11%	100%	79%	86%	94%
Population density of residence (zip code)										
Low (100 people per sq mile or less)	945,362	27%	22%	21%	26%	9%	22%	84%	89%	95%
Medium (101 to 1000 people per sq. mile)	955,296	27%	29%	27%	25%	11%	28%	76%	87%	92%
High (>1000 people per sq. mile)	1,583,974	45%	33%	52%	49%	12%	50%	78%	84%	95%
Region of MN										
Northwest	311,163	9%	19%	6%	5%	6%	5%	79%	85%	89%
Northeast	296,159	8%	20%	6%	7%	8%	6%	85%	91%	92%
South	687,752	20%	26%	17%	19%	11%	20%	83%	91%	95%
Central	315,532	9%	28%	9%	10%	10%	8%	80%	90%	96%
Metro	1,874,027	54%	33%	62%	59%	12%	60%	77%	83%	95%
Age										
20-34	995,621	29%	35%	35%	31%	11%	30%	77%	89%	98%
35-44	824,181	24%	39%	32%	34%	16%	35%	79%	87%	95%
45-54	665,698	19%	33%	22%	21%	13%	23%	78%	85%	97%
55-64	404,868	12%	19%	8%	8%	7%	7%	79%	79%	86%
65+	594,265	17%	6%	4%	6%	3%	4%	91%	72%	76%
Gender										
Male	1,700,236	49%	30%	51%	54%	11%	52%	79%	87%	94%
Female	1,784,396	51%	28%	49%	46%	10%	48%	79%	85%	95%
Race/ethnicity										
Non-white and/or Hispanic (< 100 respondents)	219,221	6%	25%	5%	5%	13%	7%	84%	95%	98%
White, non-Hispanic	3,265,411	94%	29%	95%	95%	11%	93%	79%	85%	94%
Income										
under \$30,000	773,879	22%	17%	12%	19%	9%	17%	92%	83%	94%
\$30,000 to \$39,999	452,334	13%	24%	10%	10%	7%	9%	81%	91%	96%
\$40,000 to \$49,999	467,456	13%	27%	12%	14%	14%	17%	87%	71%	96%
\$50,000 to \$74,999	834,075	24%	34%	28%	25%	10%	23%	74%	90%	97%
\$75,000 to \$99,999	444,712	13%	32%	14%	12%	12%	14%	75%	88%	96%
\$100,000 or more	512,175	15%	47%	23%	20%	15%	21%	70%	90%	89%
Education										
High school graduate, or some high school	692,471	20%	14%	9%	9%	3%	6%	76%	76%	97%
Vo-tech school, assoc. degree, or some college	1,323,702	38%	27%	35%	39%	13%	44%	86%	88%	94%
Graduated from college	787,629	23%	39%	31%	26%	10%	22%	70%	85%	95%
Postgraduate study/postgraduate degrees	680,830	20%	38%	26%	27%	15%	28%	79%	88%	93%
Household size										
1 person	1,117,414	32%	19%	20%	23%	7%	22%	84%	78%	95%
2 people	984,997	28%	27%	26%	26%	9%	24%	81%	82%	90%
3 people	497,888	14%	36%	18%	15%	13%	18%	76%	91%	94%
4 people	561,432	16%	40%	22%	20%	15%	22%	70%	91%	96%
5+ people	322,901	9%	42%	13%	15%	16%	14%	84%	93%	99%

ACTIVITY: Biking on dirt trails (a portion of all biking)

Annual participants 20 years old and older (000's) =	423
Annual days of participation anywhere (000's) =	2,892
Annual days of participation anywhere per participant:	
mean =	6.8
median =	2

Demographic characteristic	----- MN Population ----- (as represented by survey)		----- Activity participation -----			----- Avid participants ----- (> median days per year)		----- Activity days -----		
	Number	Percent	Percent of population participating	Percent of participants	Percent of activity days	Percent of population who are avids	Percent of avid participants	Percent from avid participants	Percent within 1/2 hour drive of home	Percent within Minnesota
Total	3,484,632	100%	12%	100%	100%	6%	100%	92%	86%	94%
Population density of residence (zip code)										
Low (100 people per sq mile or less)	945,362	27%	9%	20%	19%	4%	18%	93%	86%	94%
Medium (101 to 1000 people per sq. mile)	955,296	27%	14%	32%	44%	9%	38%	95%	86%	94%
High (>1000 people per sq. mile)	1,583,974	45%	13%	49%	38%	6%	44%	89%	86%	94%
Region of MN										
Northwest	311,163	9%	6%	4%	5%	4%	5%	94%	86%	94%
Northeast	296,159	8%	10%	7%	8%	4%	6%	94%	86%	94%
South	687,752	20%	9%	15%	12%	4%	14%	91%	86%	94%
Central	315,532	9%	11%	9%	7%	6%	9%	91%	86%	94%
Metro	1,874,027	54%	15%	65%	68%	8%	65%	93%	86%	94%
Age										
20-34	995,621	29%	17%	40%	52%	9%	43%	95%	86%	94%
35-44	824,181	24%	17%	33%	30%	9%	36%	92%	86%	94%
45-54	665,698	19%	12%	19%	14%	5%	17%	87%	86%	94%
55-64	404,868	12%	5%	5%	2%	1%	2%	64%	86%	94%
65+	594,265	17%	2%	3%	2%	1%	2%	91%	86%	94%
Gender										
Male	1,700,236	49%	15%	59%	71%	9%	69%	95%	86%	94%
Female	1,784,396	51%	10%	41%	29%	4%	31%	86%	86%	94%
Race/ethnicity										
Non-white and/or Hispanic (< 100 respondents)	219,221	6%	12%	6%	4%	9%	8%	97%	86%	94%
White, non-Hispanic	3,265,411	94%	12%	94%	96%	6%	92%	92%	86%	94%
Income										
under \$30,000	773,879	22%	8%	14%	27%	4%	13%	96%	86%	94%
\$30,000 to \$39,999	452,334	13%	8%	8%	4%	2%	5%	83%	86%	94%
\$40,000 to \$49,999	467,456	13%	12%	12%	9%	6%	13%	88%	86%	94%
\$50,000 to \$74,999	834,075	24%	14%	26%	28%	8%	31%	95%	86%	94%
\$75,000 to \$99,999	444,712	13%	13%	13%	16%	9%	17%	96%	86%	94%
\$100,000 or more	512,175	15%	23%	26%	16%	10%	22%	84%	86%	94%
Education										
High school graduate, or some high school	692,471	20%	4%	7%	4%	2%	5%	83%	86%	94%
Vo-tech school, assoc. degree, or some college	1,323,702	38%	12%	38%	42%	7%	42%	95%	86%	94%
Graduated from college	787,629	23%	15%	28%	34%	9%	33%	95%	86%	94%
Postgraduate study/postgraduate degrees	680,830	20%	17%	27%	20%	6%	20%	85%	86%	94%
Household size										
1 person	1,117,414	32%	8%	22%	17%	4%	21%	92%	86%	94%
2 people	984,997	28%	11%	25%	38%	5%	23%	95%	86%	94%
3 people	497,888	14%	17%	20%	17%	8%	19%	88%	86%	94%
4 people	561,432	16%	17%	23%	22%	11%	28%	92%	86%	94%
5+ people	322,901	9%	14%	10%	7%	7%	10%	92%	86%	94%

ACTIVITY: Visiting outdoor zoos

Annual participants 20 years old and older (000's) =	957
Annual days of participation anywhere (000's) =	2,252
Annual days of participation anywhere per participant:	
mean =	2.4
median =	2

Demographic characteristic	----- MN Population ----- (as represented by survey)		----- Activity participation -----			----- Avid participants ----- (> median days per year)		----- Activity days -----		
	Number	Percent	Percent of population participating	Percent of participants	Percent of activity days	Percent of population who are avids	Percent of avid participants	Percent from avid participants	Percent within 1/2 hour drive of home	Percent within Minnesota
Total	3,484,632	100%	27%	100%	100%	10%	100%	71%	68%	91%
Population density of residence (zip code)										
Low (100 people per sq mile or less)	945,362	27%	18%	18%	14%	4%	11%	55%	43%	85%
Medium (101 to 1000 people per sq. mile)	955,296	27%	27%	27%	29%	10%	28%	73%	68%	92%
High (>1000 people per sq. mile)	1,583,974	45%	33%	55%	57%	14%	61%	74%	75%	92%
Region of MN										
Northwest	311,163	9%	14%	5%	4%	3%	3%	58%	46%	71%
Northeast	296,159	8%	19%	6%	4%	5%	4%	58%	52%	89%
South	687,752	20%	25%	18%	16%	7%	13%	62%	50%	85%
Central	315,532	9%	25%	8%	6%	6%	5%	51%	41%	92%
Metro	1,874,027	54%	33%	64%	70%	14%	74%	76%	77%	94%
Age										
20-34	995,621	29%	35%	37%	37%	14%	40%	73%	66%	90%
35-44	824,181	24%	33%	29%	25%	12%	28%	66%	71%	93%
45-54	665,698	19%	24%	17%	21%	8%	16%	75%	68%	91%
55-64	404,868	12%	24%	10%	8%	7%	8%	58%	63%	91%
65+	594,265	17%	11%	7%	8%	5%	7%	79%	76%	93%
Gender										
Male	1,700,236	49%	25%	45%	42%	9%	45%	70%	69%	90%
Female	1,784,396	51%	30%	55%	58%	11%	55%	72%	68%	92%
Race/ethnicity										
Non-white and/or Hispanic (< 100 respondents)	219,221	6%	29%	6%	7%	13%	8%	76%	74%	93%
White, non-Hispanic	3,265,411	94%	28%	94%	93%	10%	92%	71%	68%	91%
Income										
under \$30,000	773,879	22%	23%	18%	15%	8%	16%	65%	69%	91%
\$30,000 to \$39,999	452,334	13%	28%	13%	15%	11%	13%	73%	74%	91%
\$40,000 to \$49,999	467,456	13%	25%	12%	11%	10%	12%	65%	79%	94%
\$50,000 to \$74,999	834,075	24%	31%	27%	27%	11%	25%	69%	66%	91%
\$75,000 to \$99,999	444,712	13%	28%	13%	16%	11%	14%	76%	71%	90%
\$100,000 or more	512,175	15%	32%	17%	17%	13%	19%	72%	54%	92%
Education										
High school graduate, or some high school	692,471	20%	16%	12%	8%	3%	6%	48%	59%	86%
Vo-tech school, assoc. degree, or some college	1,323,702	38%	25%	34%	38%	9%	34%	73%	71%	92%
Graduated from college	787,629	23%	35%	29%	28%	14%	32%	71%	71%	87%
Postgraduate study/postgraduate degrees	680,830	20%	36%	26%	26%	14%	28%	75%	65%	96%
Household size										
1 person	1,117,414	32%	21%	25%	30%	8%	24%	76%	73%	92%
2 people	984,997	28%	23%	24%	21%	8%	22%	64%	67%	86%
3 people	497,888	14%	34%	18%	16%	12%	17%	66%	70%	93%
4 people	561,432	16%	37%	22%	23%	15%	24%	75%	63%	94%
5+ people	322,901	9%	36%	12%	11%	14%	13%	71%	66%	92%

ACTIVITY: Camping of all types

Annual participants 20 years old and older (000's) =	899
Annual days of participation anywhere (000's) =	8,515
Annual days of participation anywhere per participant:	
mean =	9.5
median =	5

Demographic characteristic	----- MN Population ----- (as represented by survey)		----- Activity participation -----			----- Avid participants ----- (> median days per year)		----- Activity days -----		
	Number	Percent	Percent of population participating	Percent of participants	Percent of activity days	Percent of population who are avids	Percent of avid participants	Percent from avid participants	Percent within 1/2 hour drive of home	Percent within Minnesota
Total	3,484,632	100%	26%	100%	100%	12%	100%	86%	24%	80%
Population density of residence (zip code)										
Low (100 people per sq mile or less)	945,362	27%	27%	28%	34%	14%	32%	90%	30%	81%
Medium (101 to 1000 people per sq. mile)	955,296	27%	25%	27%	31%	14%	32%	90%	26%	82%
High (>1000 people per sq. mile)	1,583,974	45%	25%	45%	34%	9%	36%	78%	16%	77%
Region of MN										
Northwest	311,163	9%	30%	10%	12%	15%	11%	89%	40%	86%
Northeast	296,159	8%	32%	11%	11%	14%	10%	85%	30%	79%
South	687,752	20%	22%	17%	19%	12%	20%	90%	26%	77%
Central	315,532	9%	28%	10%	11%	16%	13%	91%	27%	90%
Metro	1,874,027	54%	25%	52%	46%	10%	46%	82%	17%	77%
Age										
20-34	995,621	29%	37%	41%	32%	15%	35%	79%	23%	86%
35-44	824,181	24%	32%	30%	24%	15%	30%	83%	23%	80%
45-54	665,698	19%	25%	19%	22%	14%	22%	88%	30%	74%
55-64	404,868	12%	15%	7%	13%	8%	8%	93%	17%	77%
65+	594,265	17%	6%	4%	10%	4%	5%	96%	23%	75%
Gender										
Male	1,700,236	49%	31%	58%	65%	15%	59%	87%	23%	80%
Female	1,784,396	51%	21%	42%	35%	10%	41%	83%	25%	79%
Race/ethnicity										
Non-white and/or Hispanic (<100 respondents)	219,221	6%	14%	3%	3%	8%	4%	84%	27%	73%
White, non-Hispanic	3,265,411	94%	27%	97%	97%	12%	96%	86%	24%	80%
Income										
under \$30,000	773,879	22%	18%	15%	17%	9%	15%	88%	33%	66%
\$30,000 to \$39,999	452,334	13%	27%	13%	12%	12%	13%	84%	37%	90%
\$40,000 to \$49,999	467,456	13%	25%	12%	16%	11%	12%	88%	25%	80%
\$50,000 to \$74,999	834,075	24%	35%	31%	27%	17%	33%	83%	25%	81%
\$75,000 to \$99,999	444,712	13%	29%	14%	14%	14%	15%	86%	16%	87%
\$100,000 or more	512,175	15%	25%	14%	13%	10%	12%	80%	11%	75%
Education										
High school graduate, or some high school	692,471	20%	22%	16%	22%	12%	20%	91%	35%	84%
Vo-tech school, assoc. degree, or some college	1,323,702	38%	25%	37%	43%	13%	40%	89%	26%	83%
Graduated from college	787,629	23%	34%	30%	21%	12%	23%	74%	14%	68%
Postgraduate study/postgraduate degrees	680,830	20%	23%	17%	13%	10%	17%	81%	13%	80%
Household size										
1 person	1,117,414	32%	15%	18%	18%	6%	17%	85%	27%	77%
2 people	984,997	28%	26%	29%	36%	13%	31%	89%	20%	68%
3 people	497,888	14%	32%	18%	13%	12%	15%	78%	36%	91%
4 people	561,432	16%	35%	22%	23%	18%	25%	88%	19%	91%
5+ people	322,901	9%	36%	13%	9%	17%	13%	79%	26%	88%

ACTIVITY: Camping using a camping vehicle (e.g., pop-up/hard-sided trailer, third wheel, motorhome)

Annual participants 20 years old and older (000's) =	450
Annual days of participation anywhere (000's) =	5,469
Annual days of participation anywhere per participant:	
mean =	12.2
median =	5

Demographic characteristic	----- MN Population ----- (as represented by survey)		----- Activity participation -----			----- Avid participants ----- (> median days per year)		----- Activity days -----		
	Number	Percent	Percent of population participating	Percent of participants	Percent of activity days	Percent of population who are avids	Percent of avid participants	Percent from avid participants	Percent within 1/2 hour drive of home	Percent within Minnesota
Total	3,484,632	100%	13%	100%	100%	6%	100%	89%	25%	79%
Population density of residence (zip code)										
Low (100 people per sq mile or less)	945,362	27%	17%	35%	40%	9%	39%	92%	28%	78%
Medium (101 to 1000 people per sq. mile)	955,296	27%	17%	35%	36%	8%	37%	89%	25%	82%
High (>1000 people per sq. mile)	1,583,974	45%	8%	30%	23%	3%	24%	83%	18%	73%
Region of MN										
Northwest	311,163	9%	19%	13%	14%	9%	14%	89%	38%	83%
Northeast	296,159	8%	18%	12%	11%	8%	11%	88%	30%	79%
South	687,752	20%	13%	21%	24%	7%	23%	90%	24%	73%
Central	315,532	9%	18%	13%	14%	10%	15%	91%	30%	93%
Metro	1,874,027	54%	10%	41%	37%	4%	37%	87%	17%	75%
Age										
20-34	995,621	29%	15%	34%	24%	5%	25%	81%	24%	86%
35-44	824,181	24%	15%	29%	21%	7%	29%	86%	25%	84%
45-54	665,698	19%	15%	22%	24%	8%	25%	89%	32%	70%
55-64	404,868	12%	10%	9%	16%	6%	12%	96%	17%	77%
65+	594,265	17%	5%	7%	15%	4%	10%	96%	23%	74%
Gender										
Male	1,700,236	49%	15%	59%	71%	8%	63%	91%	23%	80%
Female	1,784,396	51%	10%	41%	29%	4%	37%	83%	30%	75%
Race/ethnicity										
Non-white and/or Hispanic (< 100 respondents)	219,221	6%	8%	4%	1%	1%	1%	41%	63%	80%
White, non-Hispanic	3,265,411	94%	13%	96%	99%	6%	99%	89%	24%	78%
Income										
under \$30,000	773,879	22%	10%	16%	19%	5%	16%	89%	36%	62%
\$30,000 to \$39,999	452,334	13%	13%	13%	13%	8%	17%	90%	34%	94%
\$40,000 to \$49,999	467,456	13%	10%	10%	18%	5%	12%	95%	20%	74%
\$50,000 to \$74,999	834,075	24%	20%	37%	28%	9%	34%	83%	30%	88%
\$75,000 to \$99,999	444,712	13%	12%	11%	9%	5%	11%	86%	21%	73%
\$100,000 or more	512,175	15%	11%	13%	12%	4%	10%	83%	14%	70%
Education										
High school graduate, or some high school	692,471	20%	15%	22%	28%	8%	26%	92%	33%	82%
Vo-tech school, assoc. degree, or some college	1,323,702	38%	14%	41%	47%	7%	46%	91%	27%	83%
Graduated from college	787,629	23%	13%	23%	17%	4%	14%	78%	13%	58%
Postgraduate study/postgraduate degrees	680,830	20%	9%	13%	8%	4%	14%	83%	13%	82%
Household size										
1 person	1,117,414	32%	6%	14%	16%	3%	14%	90%	32%	82%
2 people	984,997	28%	14%	30%	40%	7%	32%	92%	20%	62%
3 people	497,888	14%	15%	17%	12%	6%	13%	80%	39%	92%
4 people	561,432	16%	20%	25%	24%	10%	27%	90%	20%	94%
5+ people	322,901	9%	19%	14%	8%	9%	13%	82%	28%	87%

ACTIVITY: Camping using a tent

Annual participants 20 years old and older (000's) =	613
Annual days of participation anywhere (000's) =	3,046
Annual days of participation anywhere per participant:	
mean =	5.0
median =	3

Demographic characteristic	----- MN Population ----- (as represented by survey)		----- Activity participation -----			----- Avid participants ----- (> median days per year)		----- Activity days -----		
	Number	Percent	Percent of population participating	Percent of participants	Percent of activity days	Percent of population who are avids	Percent of avid participants	Percent from avid participants	Percent within 1/2 hour drive of home	Percent within Minnesota
Total	3,484,632	100%	18%	100%	100%	8%	100%	79%	22%	82%
Population density of residence (zip code)										
Low (100 people per sq mile or less)	945,362	27%	16%	25%	23%	8%	26%	79%	34%	88%
Medium (101 to 1000 people per sq. mile)	955,296	27%	13%	21%	22%	7%	25%	84%	28%	80%
High (>1000 people per sq. mile)	1,583,974	45%	21%	54%	54%	9%	50%	77%	14%	79%
Region of MN										
Northwest	311,163	9%	17%	9%	9%	10%	11%	85%	43%	92%
Northeast	296,159	8%	20%	10%	9%	9%	9%	80%	30%	78%
South	687,752	20%	13%	15%	12%	5%	13%	73%	33%	88%
Central	315,532	9%	16%	8%	7%	8%	9%	79%	17%	82%
Metro	1,874,027	54%	19%	59%	63%	9%	58%	79%	16%	79%
Age										
20-34	995,621	29%	29%	48%	46%	12%	43%	77%	22%	86%
35-44	824,181	24%	23%	31%	28%	10%	31%	78%	21%	74%
45-54	665,698	19%	14%	16%	19%	8%	19%	86%	25%	84%
55-64	404,868	12%	8%	5%	7%	4%	6%	83%	18%	78%
65+	594,265	17%	1%	1%	1%	1%	1%	84%	20%	91%
Gender										
Male	1,700,236	49%	20%	57%	55%	10%	60%	79%	24%	81%
Female	1,784,396	51%	15%	43%	45%	6%	40%	79%	19%	83%
Race/ethnicity										
Non-white and/or Hispanic (< 100 respondents)	219,221	6%	9%	3%	5%	7%	5%	97%	9%	70%
White, non-Hispanic	3,265,411	94%	18%	97%	95%	8%	95%	78%	22%	82%
Income										
under \$30,000	773,879	22%	13%	15%	14%	6%	15%	82%	26%	73%
\$30,000 to \$39,999	452,334	13%	19%	14%	11%	5%	8%	67%	43%	82%
\$40,000 to \$49,999	467,456	13%	18%	13%	13%	8%	14%	78%	36%	92%
\$50,000 to \$74,999	834,075	24%	23%	30%	26%	10%	27%	74%	16%	68%
\$75,000 to \$99,999	444,712	13%	21%	15%	22%	13%	20%	92%	13%	96%
\$100,000 or more	512,175	15%	18%	14%	13%	9%	16%	79%	8%	82%
Education										
High school graduate, or some high school	692,471	20%	12%	13%	13%	5%	12%	78%	44%	90%
Vo-tech school, assoc. degree, or some college	1,323,702	38%	16%	34%	38%	7%	35%	82%	24%	83%
Graduated from college	787,629	23%	25%	32%	28%	10%	29%	71%	15%	78%
Postgraduate study/postgraduate degrees	680,830	20%	19%	21%	21%	10%	25%	85%	13%	79%
Household size										
1 person	1,117,414	32%	11%	20%	23%	4%	17%	77%	21%	71%
2 people	984,997	28%	16%	26%	29%	9%	33%	86%	20%	82%
3 people	497,888	14%	23%	19%	14%	8%	15%	70%	30%	88%
4 people	561,432	16%	22%	21%	22%	11%	22%	82%	18%	85%
5+ people	322,901	9%	28%	14%	11%	11%	12%	69%	25%	89%

ACTIVITY: Camping using a tent that was part of backpacking or occurred at a canoe-in/boat-in campsite

Annual participants 20 years old and older (000's) =	340
Annual days of participation anywhere (000's) =	1,043
Annual days of participation anywhere per participant:	
mean =	3.1
median =	2

Demographic characteristic	----- MN Population ----- (as represented by survey)		----- Activity participation -----			----- Avid participants ----- (> median days per year)		----- Activity days -----		
	Number	Percent	Percent of population participating	Percent of participants	Percent of activity days	Percent of population who are avids	Percent of avid participants	Percent from avid participants	Percent within 1/2 hour drive of home	Percent within Minnesota
Total	3,484,632	100%	10%	100%	100%	5%	100%	86%	22%	82%
Population density of residence (zip code)										
Low (100 people per sq mile or less)	945,362	27%	10%	27%	26%	4%	25%	84%	22%	82%
Medium (101 to 1000 people per sq. mile)	955,296	27%	7%	18%	18%	3%	19%	85%	22%	82%
High (>1000 people per sq. mile)	1,583,974	45%	12%	54%	56%	6%	57%	87%	22%	82%
Region of MN										
Northwest	311,163	9%	10%	9%	11%	5%	9%	86%	22%	82%
Northeast	296,159	8%	11%	10%	11%	6%	11%	91%	22%	82%
South	687,752	20%	7%	14%	13%	3%	12%	83%	22%	82%
Central	315,532	9%	6%	6%	4%	3%	6%	85%	22%	82%
Metro	1,874,027	54%	11%	61%	61%	6%	63%	86%	22%	82%
Age										
20-34	995,621	29%	15%	43%	50%	8%	48%	90%	22%	82%
35-44	824,181	24%	13%	31%	23%	5%	24%	75%	22%	82%
45-54	665,698	19%	10%	19%	20%	5%	22%	89%	22%	82%
55-64	404,868	12%	5%	6%	6%	2%	6%	85%	22%	82%
65+	594,265	17%	1%	1%	1%	0%	1%	73%	22%	82%
Gender										
Male	1,700,236	49%	11%	56%	51%	6%	57%	85%	22%	82%
Female	1,784,396	51%	8%	44%	49%	4%	43%	87%	22%	82%
Race/ethnicity										
Non-white and/or Hispanic (<100 respondents)	219,221	6%	5%	3%	2%	2%	3%	60%	22%	82%
White, non-Hispanic	3,265,411	94%	10%	97%	98%	5%	97%	86%	22%	82%
Income										
under \$30,000	773,879	22%	8%	17%	18%	4%	16%	86%	22%	82%
\$30,000 to \$39,999	452,334	13%	9%	12%	13%	4%	9%	85%	22%	82%
\$40,000 to \$49,999	467,456	13%	9%	12%	12%	6%	17%	92%	22%	82%
\$50,000 to \$74,999	834,075	24%	12%	28%	18%	5%	23%	73%	22%	82%
\$75,000 to \$99,999	444,712	13%	12%	15%	24%	8%	20%	95%	22%	82%
\$100,000 or more	512,175	15%	11%	16%	15%	5%	14%	83%	22%	82%
Education										
High school graduate, or some high school	692,471	20%	4%	8%	8%	2%	9%	84%	22%	82%
Vo-tech school, assoc. degree, or some college	1,323,702	38%	10%	37%	36%	5%	38%	86%	22%	82%
Graduated from college	787,629	23%	15%	35%	36%	7%	33%	85%	22%	82%
Postgraduate study/postgraduate degrees	680,830	20%	10%	20%	20%	5%	21%	87%	22%	82%
Household size										
1 person	1,117,414	32%	6%	21%	24%	3%	20%	87%	22%	82%
2 people	984,997	28%	9%	26%	36%	5%	32%	90%	22%	82%
3 people	497,888	14%	14%	21%	16%	8%	23%	86%	22%	82%
4 people	561,432	16%	13%	21%	17%	5%	17%	80%	22%	82%
5+ people	322,901	9%	12%	11%	7%	4%	7%	75%	22%	82%

ACTIVITY: Visiting nature centers

Annual participants 20 years old and older (000's) =	884
Annual days of participation anywhere (000's) =	3,265
Annual days of participation anywhere per participant:	
mean =	3.7
median =	2

Demographic characteristic	----- MN Population ----- (as represented by survey)		----- Activity participation -----			----- Avid participants ----- (> median days per year)		----- Activity days -----		
	Number	Percent	Percent of population participating	Percent of participants	Percent of activity days	Percent of population who are avids	Percent of avid participants	Percent from avid participants	Percent within 1/2 hour drive of home	Percent within Minnesota
Total	3,484,632	100%	25%	100%	100%	12%	100%	84%	69%	89%
Population density of residence (zip code)										
Low (100 people per sq mile or less)	945,362	27%	20%	21%	16%	8%	19%	77%	52%	86%
Medium (101 to 1000 people per sq. mile)	955,296	27%	24%	26%	19%	10%	22%	75%	52%	86%
High (>1000 people per sq. mile)	1,583,974	45%	30%	53%	65%	16%	59%	88%	78%	91%
Region of MN										
Northwest	311,163	9%	19%	7%	6%	9%	7%	82%	57%	86%
Northeast	296,159	8%	21%	7%	5%	8%	5%	74%	54%	82%
South	687,752	20%	25%	19%	16%	12%	20%	81%	56%	83%
Central	315,532	9%	19%	7%	5%	9%	6%	74%	42%	87%
Metro	1,874,027	54%	28%	60%	69%	14%	62%	86%	76%	92%
Age										
20-34	995,621	29%	28%	31%	21%	11%	26%	73%	59%	87%
35-44	824,181	24%	28%	26%	22%	15%	30%	84%	62%	87%
45-54	665,698	19%	27%	21%	27%	13%	20%	87%	77%	95%
55-64	404,868	12%	25%	12%	12%	15%	15%	88%	57%	80%
65+	594,265	17%	16%	11%	18%	7%	10%	90%	84%	93%
Gender										
Male	1,700,236	49%	24%	46%	37%	10%	41%	77%	58%	91%
Female	1,784,396	51%	27%	54%	63%	14%	59%	88%	75%	88%
Race/ethnicity										
Non-white and/or Hispanic (< 100 respondents)	219,221	6%	19%	5%	4%	15%	7%	91%	73%	77%
White, non-Hispanic	3,265,411	94%	26%	95%	96%	12%	93%	84%	69%	90%
Income										
under \$30,000	773,879	22%	17%	15%	14%	10%	17%	88%	73%	86%
\$30,000 to \$39,999	452,334	13%	26%	13%	10%	11%	12%	77%	65%	88%
\$40,000 to \$49,999	467,456	13%	28%	15%	10%	15%	16%	77%	65%	84%
\$50,000 to \$74,999	834,075	24%	27%	26%	32%	15%	28%	90%	72%	91%
\$75,000 to \$99,999	444,712	13%	26%	13%	9%	11%	11%	75%	40%	83%
\$100,000 or more	512,175	15%	31%	18%	25%	14%	16%	88%	77%	95%
Education										
High school graduate, or some high school	692,471	20%	16%	12%	10%	8%	13%	80%	62%	84%
Vo-tech school, assoc. degree, or some college	1,323,702	38%	25%	37%	39%	11%	34%	83%	73%	92%
Graduated from college	787,629	23%	25%	22%	31%	14%	26%	90%	70%	92%
Postgraduate study/postgraduate degrees	680,830	20%	37%	29%	20%	18%	28%	79%	62%	83%
Household size										
1 person	1,117,414	32%	21%	26%	32%	11%	27%	87%	78%	91%
2 people	984,997	28%	26%	29%	34%	12%	28%	86%	64%	84%
3 people	497,888	14%	28%	16%	12%	16%	19%	81%	68%	96%
4 people	561,432	16%	29%	18%	14%	12%	16%	79%	65%	91%
5+ people	322,901	9%	29%	11%	7%	13%	10%	73%	57%	95%

ACTIVITY: Nature observation of all types (viewing, identifying, photographing)

Annual participants 20 years old and older (000's) =	844
Annual days of participation anywhere (000's) =	46,268
Annual days of participation anywhere per participant:	
mean =	54.8
median =	15

Demographic characteristic	----- MN Population ----- (as represented by survey)		----- Activity participation -----			----- Avid participants ----- (> median days per year)		----- Activity days -----		
	Number	Percent	Percent of population participating	Percent of participants	Percent of activity days	Percent of population who are avids	Percent of avid participants	Percent from avid participants	Percent within 1/2 hour drive of home	Percent within Minnesota
Total	3,484,632	100%	24%	100%	100%	11%	100%	93%	80%	91%
Population density of residence (zip code)										
Low (100 people per sq mile or less)	945,362	27%	23%	25%	42%	14%	34%	97%	83%	93%
Medium (101 to 1000 people per sq. mile)	955,296	27%	25%	28%	23%	10%	26%	92%	80%	87%
High (>1000 people per sq. mile)	1,583,974	45%	25%	47%	35%	10%	40%	89%	76%	91%
Region of MN										
Northwest	311,163	9%	20%	8%	7%	10%	8%	93%	81%	92%
Northeast	296,159	8%	24%	8%	13%	13%	10%	97%	86%	93%
South	687,752	20%	23%	18%	28%	11%	20%	96%	82%	90%
Central	315,532	9%	26%	10%	9%	15%	12%	94%	77%	92%
Metro	1,874,027	54%	25%	56%	43%	10%	49%	90%	77%	91%
Age										
20-34	995,621	29%	24%	29%	12%	6%	16%	76%	64%	92%
35-44	824,181	24%	28%	27%	26%	11%	24%	92%	83%	89%
45-54	665,698	19%	29%	23%	31%	17%	30%	96%	83%	94%
55-64	404,868	12%	24%	11%	17%	14%	15%	97%	83%	91%
65+	594,265	17%	14%	10%	14%	10%	15%	97%	78%	87%
Gender										
Male	1,700,236	49%	24%	48%	43%	10%	45%	93%	75%	91%
Female	1,784,396	51%	25%	52%	57%	12%	55%	93%	84%	91%
Race/ethnicity										
Non-white and/or Hispanic (< 100 respondents)	219,221	6%	28%	7%	8%	12%	6%	96%	97%	99%
White, non-Hispanic	3,265,411	94%	24%	93%	92%	11%	94%	93%	78%	90%
Income										
under \$30,000	773,879	22%	18%	16%	19%	9%	18%	95%	81%	93%
\$30,000 to \$39,999	452,334	13%	25%	13%	18%	11%	14%	96%	86%	94%
\$40,000 to \$49,999	467,456	13%	24%	13%	11%	11%	14%	91%	80%	90%
\$50,000 to \$74,999	834,075	24%	26%	26%	23%	11%	25%	92%	79%	92%
\$75,000 to \$99,999	444,712	13%	27%	14%	10%	12%	15%	89%	64%	86%
\$100,000 or more	512,175	15%	30%	18%	18%	11%	15%	92%	81%	92%
Education										
High school graduate, or some high school	692,471	20%	14%	12%	11%	6%	11%	93%	80%	89%
Vo-tech school, assoc. degree, or some college	1,323,702	38%	24%	37%	40%	12%	42%	94%	81%	92%
Graduated from college	787,629	23%	25%	24%	20%	9%	18%	90%	79%	90%
Postgraduate study/postgraduate degrees	680,830	20%	34%	28%	28%	16%	29%	94%	80%	91%
Household size										
1 person	1,117,414	32%	20%	27%	25%	10%	29%	94%	80%	93%
2 people	984,997	28%	26%	30%	30%	12%	30%	93%	77%	88%
3 people	497,888	14%	29%	17%	19%	13%	17%	93%	83%	93%
4 people	561,432	16%	26%	17%	13%	10%	14%	89%	79%	90%
5+ people	322,901	9%	24%	9%	14%	12%	10%	96%	83%	92%

ACTIVITY: Viewing, identifying or photographing birds and other wildlife

Annual participants 20 years old and older (000's) =	712
Annual days of participation anywhere (000's) =	27,654
Annual days of participation anywhere per participant:	
mean =	38.8
median =	11

Demographic characteristic	----- MN Population ----- (as represented by survey)		----- Activity participation -----			----- Avid participants ----- (> median days per year)		----- Activity days -----		
	Number	Percent	Percent of population participating	Percent of participants	Percent of activity days	Percent of population who are avids	Percent of avid participants	Percent from avid participants	Percent within 1/2 hour drive of home	Percent within Minnesota
Total	3,484,632	100%	20%	100%	100%	10%	100%	93%	81%	91%
Population density of residence (zip code)										
Low (100 people per sq mile or less)	945,362	27%	21%	27%	43%	13%	37%	97%	84%	92%
Medium (101 to 1000 people per sq. mile)	955,296	27%	19%	26%	24%	9%	26%	93%	83%	90%
High (>1000 people per sq. mile)	1,583,974	45%	21%	47%	33%	8%	37%	88%	78%	92%
Region of MN										
Northwest	311,163	9%	17%	7%	7%	8%	8%	93%	81%	94%
Northeast	296,159	8%	20%	8%	14%	12%	11%	97%	88%	94%
South	687,752	20%	20%	19%	29%	11%	22%	96%	84%	89%
Central	315,532	9%	21%	10%	10%	14%	13%	95%	79%	91%
Metro	1,874,027	54%	21%	56%	41%	8%	46%	88%	78%	92%
Age										
20-34	995,621	29%	20%	28%	11%	6%	18%	80%	68%	93%
35-44	824,181	24%	24%	28%	23%	10%	24%	90%	82%	90%
45-54	665,698	19%	24%	23%	31%	14%	28%	96%	85%	93%
55-64	404,868	12%	20%	12%	18%	13%	15%	97%	83%	94%
65+	594,265	17%	12%	10%	16%	9%	15%	97%	82%	87%
Gender										
Male	1,700,236	49%	21%	50%	46%	10%	51%	93%	76%	92%
Female	1,784,396	51%	20%	50%	54%	9%	49%	92%	86%	91%
Race/ethnicity										
Non-white and/or Hispanic (< 100 respondents)	219,221	6%	22%	6%	8%	9%	6%	96%	97%	99%
White, non-Hispanic	3,265,411	94%	21%	94%	92%	10%	94%	93%	80%	91%
Income										
under \$30,000	773,879	22%	15%	15%	20%	9%	21%	97%	83%	94%
\$30,000 to \$39,999	452,334	13%	22%	14%	17%	10%	13%	96%	88%	95%
\$40,000 to \$49,999	467,456	13%	20%	13%	11%	9%	13%	89%	82%	93%
\$50,000 to \$74,999	834,075	24%	23%	27%	24%	10%	26%	91%	78%	93%
\$75,000 to \$99,999	444,712	13%	22%	13%	8%	10%	13%	85%	64%	83%
\$100,000 or more	512,175	15%	24%	17%	20%	9%	14%	92%	84%	94%
Education										
High school graduate, or some high school	692,471	20%	13%	13%	14%	6%	13%	94%	80%	90%
Vo-tech school, assoc. degree, or some college	1,323,702	38%	20%	37%	41%	11%	44%	95%	84%	91%
Graduated from college	787,629	23%	21%	24%	20%	8%	19%	91%	81%	92%
Postgraduate study/postgraduate degrees	680,830	20%	28%	27%	24%	12%	24%	91%	79%	92%
Household size										
1 person	1,117,414	32%	16%	25%	22%	8%	26%	92%	81%	93%
2 people	984,997	28%	21%	30%	33%	11%	32%	94%	80%	90%
3 people	497,888	14%	24%	17%	19%	12%	17%	93%	85%	94%
4 people	561,432	16%	23%	18%	14%	8%	13%	88%	81%	88%
5+ people	322,901	9%	23%	10%	13%	12%	12%	95%	83%	93%

ACTIVITY: Viewing, identifying or photographing wildflowers, trees or other natural vegetation

Annual participants 20 years old and older (000's) =	629
Annual days of participation anywhere (000's) =	18,614
Annual days of participation anywhere per participant:	
mean =	29.6
median =	8

Demographic characteristic	----- MN Population ----- (as represented by survey)		----- Activity participation -----			----- Avid participants ----- (> median days per year)		----- Activity days -----		
	Number	Percent	Percent of population participating	Percent of participants	Percent of activity days	Percent of population who are avids	Percent of avid participants	Percent from avid participants	Percent within 1/2 hour drive of home	Percent within Minnesota
Total	3,484,632	100%	18%	100%	100%	8%	100%	92%	78%	90%
Population density of residence (zip code)										
Low (100 people per sq mile or less)	945,362	27%	15%	23%	41%	9%	30%	96%	83%	94%
Medium (101 to 1000 people per sq. mile)	955,296	27%	17%	25%	22%	7%	25%	90%	75%	82%
High (>1000 people per sq. mile)	1,583,974	45%	21%	52%	37%	8%	45%	89%	73%	90%
Region of MN										
Northwest	311,163	9%	13%	7%	7%	7%	7%	92%	81%	89%
Northeast	296,159	8%	17%	8%	12%	11%	12%	97%	84%	90%
South	687,752	20%	15%	16%	27%	7%	17%	95%	79%	91%
Central	315,532	9%	21%	10%	9%	10%	11%	90%	74%	93%
Metro	1,874,027	54%	20%	59%	46%	8%	54%	89%	76%	90%
Age										
20-34	995,621	29%	18%	29%	13%	5%	18%	76%	58%	92%
35-44	824,181	24%	21%	28%	29%	8%	24%	92%	84%	88%
45-54	665,698	19%	21%	23%	30%	13%	30%	96%	79%	95%
55-64	404,868	12%	18%	11%	16%	10%	14%	95%	84%	88%
65+	594,265	17%	11%	10%	11%	7%	15%	96%	72%	86%
Gender										
Male	1,700,236	49%	15%	40%	37%	7%	40%	93%	73%	90%
Female	1,784,396	51%	21%	60%	63%	10%	60%	91%	81%	91%
Race/ethnicity										
Non-white and/or Hispanic (< 100 respondents)	219,221	6%	27%	9%	8%	11%	8%	95%	97%	99%
White, non-Hispanic	3,265,411	94%	18%	91%	92%	8%	92%	92%	76%	89%
Income										
under \$30,000	773,879	22%	12%	14%	17%	7%	18%	93%	78%	92%
\$30,000 to \$39,999	452,334	13%	21%	14%	20%	10%	16%	97%	83%	92%
\$40,000 to \$49,999	467,456	13%	19%	14%	12%	9%	15%	89%	78%	87%
\$50,000 to \$74,999	834,075	24%	20%	26%	22%	8%	22%	90%	81%	91%
\$75,000 to \$99,999	444,712	13%	19%	13%	12%	10%	15%	93%	65%	89%
\$100,000 or more	512,175	15%	23%	18%	16%	8%	15%	88%	76%	89%
Education										
High school graduate, or some high school	692,471	20%	8%	8%	7%	3%	8%	90%	79%	85%
Vo-tech school, assoc. degree, or some college	1,323,702	38%	17%	36%	38%	9%	41%	93%	77%	93%
Graduated from college	787,629	23%	20%	25%	20%	7%	18%	88%	75%	88%
Postgraduate study/postgraduate degrees	680,830	20%	29%	31%	34%	14%	33%	93%	80%	90%
Household size										
1 person	1,117,414	32%	16%	28%	29%	8%	32%	94%	79%	92%
2 people	984,997	28%	19%	30%	26%	8%	29%	90%	73%	84%
3 people	497,888	14%	24%	19%	18%	11%	19%	92%	80%	91%
4 people	561,432	16%	17%	15%	12%	6%	11%	87%	76%	96%
5+ people	322,901	9%	16%	8%	16%	9%	9%	97%	83%	91%

ACTIVITY: Golfing

Annual participants 20 years old and older (000's) =	820
Annual days of participation anywhere (000's) =	11,163
Annual days of participation anywhere per participant:	
mean =	13.6
median =	8

Demographic characteristic	----- MN Population ----- (as represented by survey)		----- Activity participation -----			----- Avid participants ----- (> median days per year)		----- Activity days -----		
	Number	Percent	Percent of population participating	Percent of participants	Percent of activity days	Percent of population who are avids	Percent of avid participants	Percent from avid participants	Percent within 1/2 hour drive of home	Percent within Minnesota
Total	3,484,632	100%	24%	100%	100%	10%	100%	83%	74%	87%
Population density of residence (zip code)										
Low (100 people per sq mile or less)	945,362	27%	16%	19%	22%	7%	19%	88%	78%	88%
Medium (101 to 1000 people per sq. mile)	955,296	27%	29%	34%	38%	12%	35%	84%	79%	91%
High (>1000 people per sq. mile)	1,583,974	45%	25%	47%	40%	10%	46%	79%	68%	83%
Region of MN										
Northwest	311,163	9%	19%	7%	9%	8%	8%	89%	77%	85%
Northeast	296,159	8%	17%	6%	7%	6%	5%	89%	76%	87%
South	687,752	20%	21%	17%	18%	9%	19%	85%	83%	92%
Central	315,532	9%	26%	10%	9%	9%	8%	79%	76%	91%
Metro	1,874,027	54%	26%	60%	57%	11%	59%	81%	71%	86%
Age										
20-34	995,621	29%	31%	38%	28%	11%	33%	75%	74%	88%
35-44	824,181	24%	27%	27%	26%	10%	24%	84%	76%	89%
45-54	665,698	19%	25%	21%	22%	10%	21%	80%	76%	92%
55-64	404,868	12%	17%	8%	11%	9%	11%	90%	73%	88%
65+	594,265	17%	9%	6%	13%	6%	11%	96%	70%	74%
Gender										
Male	1,700,236	49%	31%	64%	66%	14%	70%	84%	71%	85%
Female	1,784,396	51%	16%	36%	34%	6%	30%	80%	81%	92%
Race/ethnicity										
Non-white and/or Hispanic (< 100 respondents)	219,221	6%	12%	3%	4%	4%	3%	85%	79%	98%
White, non-Hispanic	3,265,411	94%	24%	97%	96%	10%	97%	83%	74%	87%
Income										
under \$30,000	773,879	22%	10%	9%	7%	3%	6%	78%	72%	93%
\$30,000 to \$39,999	452,334	13%	17%	9%	8%	6%	8%	76%	74%	94%
\$40,000 to \$49,999	467,456	13%	21%	12%	13%	10%	13%	86%	74%	86%
\$50,000 to \$74,999	834,075	24%	26%	25%	20%	9%	22%	80%	74%	86%
\$75,000 to \$99,999	444,712	13%	35%	18%	19%	15%	20%	84%	78%	88%
\$100,000 or more	512,175	15%	43%	26%	32%	21%	31%	86%	74%	85%
Education										
High school graduate, or some high school	692,471	20%	15%	13%	15%	7%	15%	86%	73%	91%
Vo-tech school, assoc. degree, or some college	1,323,702	38%	21%	34%	35%	8%	33%	84%	77%	88%
Graduated from college	787,629	23%	31%	30%	29%	14%	33%	83%	71%	85%
Postgraduate study/postgraduate degrees	680,830	20%	28%	23%	21%	10%	20%	78%	77%	87%
Household size										
1 person	1,117,414	32%	18%	24%	22%	7%	22%	84%	76%	86%
2 people	984,997	28%	25%	30%	36%	11%	32%	85%	71%	86%
3 people	497,888	14%	26%	16%	16%	11%	16%	83%	77%	91%
4 people	561,432	16%	29%	20%	20%	14%	24%	83%	75%	88%
5+ people	322,901	9%	26%	10%	6%	6%	6%	61%	78%	89%

ACTIVITY: Outdoor field sports (e.g., soccer, softball/baseball, football)

Annual participants 20 years old and older (000's) =	737
Annual days of participation anywhere (000's) =	11,187
Annual days of participation anywhere per participant:	
mean =	15.2
median =	9

Demographic characteristic	----- MN Population ----- (as represented by survey)		----- Activity participation -----			----- Avid participants ----- (> median days per year)		----- Activity days -----		
	Number	Percent	Percent of population participating	Percent of participants	Percent of activity days	Percent of population who are avids	Percent of avid participants	Percent from avid participants	Percent within 1/2 hour drive of home	Percent within Minnesota
Total	3,484,632	100%	21%	100%	100%	10%	100%	85%	82%	95%
Population density of residence (zip code)										
Low (100 people per sq mile or less)	945,362	27%	18%	23%	23%	9%	25%	87%	80%	98%
Medium (101 to 1000 people per sq. mile)	955,296	27%	23%	30%	28%	11%	30%	83%	73%	94%
High (>1000 people per sq. mile)	1,583,974	45%	22%	47%	49%	10%	45%	85%	87%	94%
Region of MN										
Northwest	311,163	9%	21%	9%	8%	9%	8%	83%	83%	94%
Northeast	296,159	8%	20%	8%	7%	9%	7%	83%	82%	98%
South	687,752	20%	19%	18%	19%	10%	19%	86%	67%	98%
Central	315,532	9%	22%	10%	10%	13%	12%	89%	77%	94%
Metro	1,874,027	54%	22%	56%	56%	10%	55%	84%	87%	94%
Age										
20-34	995,621	29%	30%	41%	44%	16%	44%	86%	81%	98%
35-44	824,181	24%	28%	32%	35%	15%	35%	88%	83%	92%
45-54	665,698	19%	20%	18%	15%	8%	16%	79%	83%	98%
55-64	404,868	12%	9%	5%	4%	2%	3%	79%	88%	92%
65+	594,265	17%	5%	4%	2%	1%	2%	71%	63%	90%
Gender										
Male	1,700,236	49%	24%	57%	58%	12%	56%	84%	83%	96%
Female	1,784,396	51%	18%	43%	42%	9%	44%	86%	80%	94%
Race/ethnicity										
Non-white and/or Hispanic (< 100 respondents)	219,221	6%	13%	4%	3%	4%	2%	80%	81%	98%
White, non-Hispanic	3,265,411	94%	22%	96%	97%	11%	98%	85%	82%	95%
Income										
under \$30,000	773,879	22%	14%	14%	15%	7%	14%	89%	68%	89%
\$30,000 to \$39,999	452,334	13%	19%	12%	10%	9%	11%	83%	80%	96%
\$40,000 to \$49,999	467,456	13%	23%	14%	14%	11%	14%	85%	81%	100%
\$50,000 to \$74,999	834,075	24%	24%	26%	24%	11%	25%	80%	83%	98%
\$75,000 to \$99,999	444,712	13%	20%	12%	18%	13%	16%	92%	84%	99%
\$100,000 or more	512,175	15%	32%	22%	19%	14%	20%	85%	88%	90%
Education										
High school graduate, or some high school	692,471	20%	13%	12%	8%	4%	8%	71%	88%	99%
Vo-tech school, assoc. degree, or some college	1,323,702	38%	21%	37%	42%	10%	39%	88%	82%	97%
Graduated from college	787,629	23%	29%	31%	29%	15%	34%	85%	79%	95%
Postgraduate study/postgraduate degrees	680,830	20%	22%	21%	21%	10%	19%	84%	82%	90%
Household size										
1 person	1,117,414	32%	12%	18%	12%	5%	15%	78%	81%	97%
2 people	984,997	28%	17%	23%	17%	6%	17%	77%	72%	87%
3 people	497,888	14%	28%	19%	20%	16%	23%	87%	84%	96%
4 people	561,432	16%	34%	26%	30%	18%	28%	88%	87%	97%
5+ people	322,901	9%	33%	14%	20%	19%	17%	89%	80%	98%

ACTIVITY: Visiting historic or archaeological sites

Annual participants 20 years old and older (000's) =	721
Annual days of participation anywhere (000's) =	2,398
Annual days of participation anywhere per participant:	
mean =	3.3
median =	2

Demographic characteristic	----- MN Population ----- (as represented by survey)		----- Activity participation -----			----- Avid participants ----- (> median days per year)		----- Activity days -----		
	Number	Percent	Percent of population participating	Percent of participants	Percent of activity days	Percent of population who are avids	Percent of avid participants	Percent from avid participants	Percent within 1/2 hour drive of home	Percent within Minnesota
Total	3,484,632	100%	21%	100%	100%	8%	100%	74%	35%	64%
Population density of residence (zip code)										
Low (100 people per sq mile or less)	945,362	27%	19%	25%	27%	8%	27%	79%	46%	78%
Medium (101 to 1000 people per sq. mile)	955,296	27%	17%	23%	26%	8%	29%	79%	27%	62%
High (>1000 people per sq. mile)	1,583,974	45%	24%	53%	46%	8%	44%	68%	34%	58%
Region of MN										
Northwest	311,163	9%	17%	7%	6%	9%	10%	78%	37%	74%
Northeast	296,159	8%	19%	8%	12%	6%	7%	82%	54%	75%
South	687,752	20%	18%	17%	20%	7%	19%	79%	30%	60%
Central	315,532	9%	19%	8%	7%	6%	8%	65%	20%	65%
Metro	1,874,027	54%	23%	59%	55%	8%	57%	71%	35%	62%
Age										
20-34	995,621	29%	21%	29%	19%	5%	19%	58%	37%	73%
35-44	824,181	24%	25%	29%	28%	9%	27%	72%	46%	75%
45-54	665,698	19%	23%	21%	25%	11%	26%	79%	33%	60%
55-64	404,868	12%	21%	12%	15%	11%	16%	81%	28%	50%
65+	594,265	17%	12%	9%	12%	5%	11%	83%	23%	52%
Gender										
Male	1,700,236	49%	20%	46%	46%	7%	47%	74%	38%	71%
Female	1,784,396	51%	22%	54%	54%	8%	53%	74%	33%	58%
Race/ethnicity										
Non-white and/or Hispanic (< 100 respondents)	219,221	6%	19%	5%	5%	7%	5%	67%	48%	73%
White, non-Hispanic	3,265,411	94%	21%	95%	95%	8%	95%	74%	35%	64%
Income										
under \$30,000	773,879	22%	15%	16%	20%	7%	20%	82%	49%	65%
\$30,000 to \$39,999	452,334	13%	23%	14%	17%	7%	12%	77%	48%	73%
\$40,000 to \$49,999	467,456	13%	24%	15%	14%	8%	13%	70%	36%	64%
\$50,000 to \$74,999	834,075	24%	23%	26%	25%	8%	25%	70%	22%	66%
\$75,000 to \$99,999	444,712	13%	18%	11%	9%	8%	13%	68%	19%	56%
\$100,000 or more	512,175	15%	26%	18%	15%	10%	18%	70%	29%	56%
Education										
High school graduate, or some high school	692,471	20%	12%	11%	10%	5%	12%	74%	41%	74%
Vo-tech school, assoc. degree, or some college	1,323,702	38%	20%	36%	40%	8%	38%	75%	44%	71%
Graduated from college	787,629	23%	23%	25%	22%	9%	27%	73%	21%	54%
Postgraduate study/postgraduate degrees	680,830	20%	29%	28%	28%	9%	23%	73%	32%	59%
Household size										
1 person	1,117,414	32%	19%	29%	32%	7%	29%	77%	33%	60%
2 people	984,997	28%	22%	30%	30%	9%	32%	74%	23%	49%
3 people	497,888	14%	23%	16%	16%	9%	16%	76%	61%	83%
4 people	561,432	16%	20%	16%	12%	6%	13%	63%	35%	80%
5+ people	322,901	9%	22%	10%	9%	9%	10%	74%	38%	76%

ACTIVITY: Sledding and snow tubing

Annual participants 20 years old and older (000's) =	642
Annual days of participation anywhere (000's) =	2,985
Annual days of participation anywhere per participant:	
mean =	4.6
median =	3

Demographic characteristic	----- MN Population ----- (as represented by survey)		----- Activity participation -----			----- Avid participants ----- (> median days per year)		----- Activity days -----		
	Number	Percent	Percent of population participating	Percent of participants	Percent of activity days	Percent of population who are avids	Percent of avid participants	Percent from avid participants	Percent within 1/2 hour drive of home	Percent within Minnesota
Total	3,484,632	100%	18%	100%	100%	8%	100%	80%	93%	98%
Population density of residence (zip code)										
Low (100 people per sq mile or less)	945,362	27%	16%	24%	29%	8%	27%	86%	91%	100%
Medium (101 to 1000 people per sq. mile)	955,296	27%	19%	28%	24%	8%	27%	73%	95%	98%
High (>1000 people per sq. mile)	1,583,974	45%	20%	48%	47%	8%	47%	80%	93%	98%
Region of MN										
Northwest	311,163	9%	15%	7%	7%	6%	6%	78%	81%	99%
Northeast	296,159	8%	16%	7%	8%	8%	8%	82%	91%	99%
South	687,752	20%	16%	17%	14%	6%	16%	76%	96%	97%
Central	315,532	9%	19%	9%	14%	8%	9%	84%	91%	100%
Metro	1,874,027	54%	20%	59%	57%	9%	60%	80%	94%	98%
Age										
20-34	995,621	29%	29%	45%	40%	11%	38%	76%	89%	99%
35-44	824,181	24%	28%	36%	44%	15%	46%	87%	95%	98%
45-54	665,698	19%	14%	15%	14%	6%	15%	75%	95%	98%
55-64	404,868	12%	5%	3%	2%	1%	1%	33%	91%	90%
65+	594,265	17%	1%	1%	0%	0%	0%	0%	98%	100%
Gender										
Male	1,700,236	49%	19%	50%	42%	7%	44%	74%	90%	98%
Female	1,784,396	51%	18%	50%	58%	9%	56%	84%	94%	99%
Race/ethnicity										
Non-white and/or Hispanic (< 100 respondents)	219,221	6%	21%	7%	10%	12%	9%	87%	92%	100%
White, non-Hispanic	3,265,411	94%	18%	93%	90%	8%	91%	79%	93%	98%
Income										
under \$30,000	773,879	22%	10%	11%	17%	4%	10%	83%	91%	100%
\$30,000 to \$39,999	452,334	13%	16%	11%	11%	8%	12%	86%	98%	100%
\$40,000 to \$49,999	467,456	13%	20%	14%	18%	9%	15%	86%	99%	98%
\$50,000 to \$74,999	834,075	24%	23%	29%	25%	10%	30%	75%	93%	100%
\$75,000 to \$99,999	444,712	13%	24%	16%	13%	9%	15%	73%	85%	97%
\$100,000 or more	512,175	15%	24%	18%	16%	10%	18%	78%	89%	95%
Education										
High school graduate, or some high school	692,471	20%	7%	7%	10%	4%	10%	90%	85%	99%
Vo-tech school, assoc. degree, or some college	1,323,702	38%	18%	37%	40%	9%	42%	82%	92%	99%
Graduated from college	787,629	23%	23%	29%	22%	8%	22%	71%	94%	98%
Postgraduate study/postgraduate degrees	680,830	20%	25%	27%	28%	10%	26%	80%	95%	97%
Household size										
1 person	1,117,414	32%	6%	11%	7%	1%	5%	60%	97%	95%
2 people	984,997	28%	13%	20%	19%	4%	13%	77%	93%	99%
3 people	497,888	14%	28%	22%	20%	14%	25%	79%	91%	97%
4 people	561,432	16%	35%	31%	32%	19%	38%	83%	89%	99%
5+ people	322,901	9%	34%	17%	22%	17%	20%	86%	98%	100%

ACTIVITY: Outdoor court sports (e.g., volleyball, basketball, tennis, horseshoes)

Annual participants 20 years old and older (000's) =	612
Annual days of participation anywhere (000's) =	5,916
Annual days of participation anywhere per participant:	
mean =	9.7
median =	8

Demographic characteristic	----- MN Population ----- (as represented by survey)		----- Activity participation -----			----- Avid participants ----- (> median days per year)		----- Activity days -----		
	Number	Percent	Percent of population participating	Percent of participants	Percent of activity days	Percent of population who are avids	Percent of avid participants	Percent from avid participants	Percent within 1/2 hour drive of home	Percent within Minnesota
Total	3,484,632	100%	18%	100%	100%	6%	100%	72%	88%	96%
Population density of residence (zip code)										
Low (100 people per sq mile or less)	945,362	27%	15%	23%	29%	5%	22%	78%	90%	98%
Medium (101 to 1000 people per sq. mile)	955,296	27%	20%	31%	26%	6%	26%	60%	83%	94%
High (>1000 people per sq. mile)	1,583,974	45%	18%	46%	45%	7%	51%	75%	89%	95%
Region of MN										
Northwest	311,163	9%	15%	8%	8%	5%	7%	73%	89%	98%
Northeast	296,159	8%	13%	6%	7%	4%	5%	71%	84%	91%
South	687,752	20%	16%	18%	21%	5%	16%	68%	94%	99%
Central	315,532	9%	20%	11%	13%	8%	12%	78%	80%	98%
Metro	1,874,027	54%	19%	57%	52%	6%	59%	72%	88%	94%
Age										
20-34	995,621	29%	30%	48%	53%	11%	53%	76%	90%	98%
35-44	824,181	24%	21%	28%	25%	6%	26%	66%	84%	92%
45-54	665,698	19%	16%	17%	17%	5%	16%	70%	88%	98%
55-64	404,868	12%	6%	4%	4%	2%	3%	65%	88%	89%
65+	594,265	17%	3%	2%	2%	0%	1%	61%	78%	78%
Gender										
Male	1,700,236	49%	21%	58%	53%	6%	53%	68%	90%	95%
Female	1,784,396	51%	14%	42%	47%	5%	47%	76%	86%	97%
Race/ethnicity										
Non-white and/or Hispanic (< 100 respondents)	219,221	6%	21%	7%	6%	7%	8%	62%	79%	98%
White, non-Hispanic	3,265,411	94%	17%	93%	94%	6%	92%	72%	89%	95%
Income										
under \$30,000	773,879	22%	13%	15%	17%	6%	21%	79%	85%	99%
\$30,000 to \$39,999	452,334	13%	17%	12%	12%	5%	11%	69%	96%	99%
\$40,000 to \$49,999	467,456	13%	20%	15%	15%	6%	14%	72%	89%	92%
\$50,000 to \$74,999	834,075	24%	20%	26%	19%	4%	16%	53%	85%	97%
\$75,000 to \$99,999	444,712	13%	22%	16%	20%	8%	18%	82%	85%	93%
\$100,000 or more	512,175	15%	20%	16%	17%	8%	20%	75%	89%	94%
Education										
High school graduate, or some high school	692,471	20%	9%	10%	11%	4%	14%	82%	90%	95%
Vo-tech school, assoc. degree, or some college	1,323,702	38%	17%	35%	43%	7%	44%	78%	85%	97%
Graduated from college	787,629	23%	25%	33%	28%	7%	27%	64%	89%	95%
Postgraduate study/postgraduate degrees	680,830	20%	19%	22%	18%	4%	15%	62%	92%	93%
Household size										
1 person	1,117,414	32%	11%	20%	13%	3%	14%	53%	86%	88%
2 people	984,997	28%	17%	27%	28%	6%	28%	71%	93%	97%
3 people	497,888	14%	20%	17%	13%	6%	15%	62%	78%	96%
4 people	561,432	16%	27%	25%	26%	10%	29%	78%	83%	95%
5+ people	322,901	9%	22%	12%	21%	8%	13%	83%	95%	99%

ACTIVITY: Hunting of all types

Annual participants 20 years old and older (000's) =	556
Annual days of participation anywhere (000's) =	8,060
Annual days of participation anywhere per participant:	
mean =	14.5
median =	9

Demographic characteristic	----- MN Population ----- (as represented by survey)		----- Activity participation -----			----- Avid participants ----- (> median days per year)		----- Activity days -----		
	Number	Percent	Percent of population participating	Percent of participants	Percent of activity days	Percent of population who are avids	Percent of avid participants	Percent from avid participants	Percent within 1/2 hour drive of home	Percent within Minnesota
Total	3,484,632	100%	16%	100%	100%	8%	100%	85%	52%	90%
Population density of residence (zip code)										
Low (100 people per sq mile or less)	945,362	27%	23%	40%	45%	14%	47%	89%	72%	93%
Medium (101 to 1000 people per sq. mile)	955,296	27%	18%	32%	36%	9%	32%	85%	46%	90%
High (>1000 people per sq. mile)	1,583,974	45%	10%	28%	19%	4%	21%	76%	17%	84%
Region of MN										
Northwest	311,163	9%	23%	13%	14%	14%	16%	91%	74%	94%
Northeast	296,159	8%	23%	12%	14%	15%	16%	92%	70%	96%
South	687,752	20%	14%	18%	20%	7%	18%	88%	67%	91%
Central	315,532	9%	26%	15%	13%	11%	12%	78%	53%	89%
Metro	1,874,027	54%	13%	42%	38%	5%	37%	82%	31%	87%
Age										
20-34	995,621	29%	20%	35%	39%	9%	34%	88%	52%	92%
35-44	824,181	24%	19%	29%	26%	9%	28%	83%	56%	91%
45-54	665,698	19%	17%	20%	21%	9%	23%	86%	54%	86%
55-64	404,868	12%	13%	9%	9%	7%	11%	87%	48%	92%
65+	594,265	17%	6%	6%	5%	2%	4%	75%	39%	85%
Gender										
Male	1,700,236	49%	27%	83%	90%	14%	88%	87%	51%	90%
Female	1,784,396	51%	5%	17%	10%	2%	12%	75%	67%	95%
Race/ethnicity										
Non-white and/or Hispanic (< 100 respondents)	219,221	6%	5%	2%	1%	3%	2%	87%	47%	99%
White, non-Hispanic	3,265,411	94%	17%	98%	99%	8%	98%	86%	53%	90%
Income										
under \$30,000	773,879	22%	10%	13%	10%	5%	14%	82%	50%	94%
\$30,000 to \$39,999	452,334	13%	9%	8%	6%	4%	6%	85%	69%	94%
\$40,000 to \$49,999	467,456	13%	16%	13%	16%	8%	12%	89%	64%	95%
\$50,000 to \$74,999	834,075	24%	23%	34%	37%	12%	35%	88%	59%	92%
\$75,000 to \$99,999	444,712	13%	17%	13%	14%	10%	16%	89%	50%	81%
\$100,000 or more	512,175	15%	20%	18%	17%	9%	16%	79%	26%	87%
Education										
High school graduate, or some high school	692,471	20%	18%	22%	22%	10%	26%	88%	62%	94%
Vo-tech school, assoc. degree, or some college	1,323,702	38%	19%	46%	53%	10%	47%	87%	54%	91%
Graduated from college	787,629	23%	14%	20%	16%	5%	16%	80%	41%	80%
Postgraduate study/postgraduate degrees	680,830	20%	10%	13%	9%	5%	11%	79%	42%	93%
Household size										
1 person	1,117,414	32%	7%	14%	16%	4%	15%	89%	50%	93%
2 people	984,997	28%	17%	30%	27%	7%	27%	84%	53%	91%
3 people	497,888	14%	17%	16%	15%	9%	17%	85%	61%	81%
4 people	561,432	16%	26%	27%	23%	11%	24%	80%	46%	92%
5+ people	322,901	9%	24%	14%	20%	15%	17%	92%	55%	92%

ACTIVITY: Hunting big game (e.g., deer, bear, moose)

Annual participants 20 years old and older (000's) =	470
Annual days of participation anywhere (000's) =	4,025
Annual days of participation anywhere per participant:	
mean =	8.6
median =	5

Demographic characteristic	----- MN Population ----- (as represented by survey)		----- Activity participation -----			----- Avid participants ----- (> median days per year)		----- Activity days -----		
	Number	Percent	Percent of population participating	Percent of participants	Percent of activity days	Percent of population who are avids	Percent of avid participants	Percent from avid participants	Percent within 1/2 hour drive of home	Percent within Minnesota
Total	3,484,632	100%	13%	100%	100%	6%	100%	81%	53%	91%
Population density of residence (zip code)										
Low (100 people per sq mile or less)	945,362	27%	21%	43%	42%	12%	51%	84%	73%	94%
Medium (101 to 1000 people per sq. mile)	955,296	27%	16%	32%	43%	8%	34%	87%	45%	91%
High (>1000 people per sq. mile)	1,583,974	45%	8%	26%	15%	2%	15%	58%	20%	83%
Region of MN										
Northwest	311,163	9%	21%	14%	14%	12%	17%	87%	72%	92%
Northeast	296,159	8%	20%	13%	14%	13%	18%	90%	73%	96%
South	687,752	20%	12%	18%	16%	4%	14%	77%	69%	92%
Central	315,532	9%	23%	15%	15%	10%	15%	79%	53%	93%
Metro	1,874,027	54%	10%	40%	40%	4%	35%	80%	33%	87%
Age										
20-34	995,621	29%	16%	34%	41%	7%	34%	86%	52%	93%
35-44	824,181	24%	17%	31%	27%	8%	29%	77%	59%	93%
45-54	665,698	19%	15%	21%	19%	7%	22%	79%	52%	83%
55-64	404,868	12%	11%	9%	9%	6%	11%	83%	46%	93%
65+	594,265	17%	4%	5%	4%	2%	4%	72%	43%	93%
Gender										
Male	1,700,236	49%	23%	83%	89%	11%	88%	84%	52%	90%
Female	1,784,396	51%	4%	17%	11%	1%	12%	62%	62%	97%
Race/ethnicity										
Non-white and/or Hispanic (< 100 respondents)	219,221	6%	4%	2%	2%	3%	3%	94%	48%	98%
White, non-Hispanic	3,265,411	94%	14%	98%	98%	6%	97%	81%	53%	91%
Income										
under \$30,000	773,879	22%	9%	14%	11%	4%	12%	70%	46%	98%
\$30,000 to \$39,999	452,334	13%	8%	7%	5%	3%	6%	76%	68%	93%
\$40,000 to \$49,999	467,456	13%	13%	12%	17%	7%	16%	89%	65%	96%
\$50,000 to \$74,999	834,075	24%	19%	34%	40%	9%	33%	84%	59%	92%
\$75,000 to \$99,999	444,712	13%	15%	14%	13%	7%	15%	82%	49%	80%
\$100,000 or more	512,175	15%	17%	18%	15%	7%	18%	74%	31%	89%
Education										
High school graduate, or some high school	692,471	20%	16%	23%	24%	8%	24%	80%	61%	94%
Vo-tech school, assoc. degree, or some college	1,323,702	38%	16%	45%	53%	9%	53%	87%	55%	91%
Graduated from college	787,629	23%	11%	19%	15%	3%	12%	72%	45%	83%
Postgraduate study/postgraduate degrees	680,830	20%	9%	13%	9%	3%	10%	69%	36%	95%
Household size										
1 person	1,117,414	32%	5%	13%	13%	3%	14%	85%	56%	93%
2 people	984,997	28%	15%	32%	30%	6%	28%	78%	52%	90%
3 people	497,888	14%	13%	14%	13%	7%	16%	81%	68%	84%
4 people	561,432	16%	22%	26%	22%	10%	25%	77%	46%	91%
5+ people	322,901	9%	23%	16%	22%	12%	18%	89%	52%	95%

ACTIVITY: Hunting waterfowl, upland game birds, and other small game

Annual participants 20 years old and older (000's) =	369
Annual days of participation anywhere (000's) =	4,035
Annual days of participation anywhere per participant:	
mean =	10.9
median =	8

Demographic characteristic	----- MN Population ----- (as represented by survey)		----- Activity participation -----			----- Avid participants ----- (> median days per year)		----- Activity days -----		
	Number	Percent	Percent of population participating	Percent of participants	Percent of activity days	Percent of population who are avids	Percent of avid participants	Percent from avid participants	Percent within 1/2 hour drive of home	Percent within Minnesota
Total	3,484,632	100%	11%	100%	100%	4%	100%	76%	52%	90%
Population density of residence (zip code)										
Low (100 people per sq mile or less)	945,362	27%	15%	39%	48%	8%	49%	83%	70%	93%
Medium (101 to 1000 people per sq. mile)	955,296	27%	12%	31%	30%	4%	28%	72%	48%	88%
High (>1000 people per sq. mile)	1,583,974	45%	7%	30%	22%	2%	23%	69%	16%	84%
Region of MN										
Northwest	311,163	9%	14%	12%	13%	7%	15%	80%	76%	96%
Northeast	296,159	8%	17%	14%	15%	7%	14%	76%	67%	96%
South	687,752	20%	9%	16%	24%	5%	24%	89%	66%	90%
Central	315,532	9%	14%	12%	11%	6%	12%	74%	52%	85%
Metro	1,874,027	54%	9%	45%	37%	3%	34%	68%	28%	86%
Age										
20-34	995,621	29%	13%	34%	37%	6%	37%	80%	52%	92%
35-44	824,181	24%	13%	30%	26%	5%	27%	71%	53%	89%
45-54	665,698	19%	11%	21%	23%	5%	23%	78%	55%	89%
55-64	404,868	12%	9%	10%	9%	3%	8%	71%	49%	91%
65+	594,265	17%	3%	5%	6%	1%	5%	78%	36%	80%
Gender										
Male	1,700,236	49%	19%	89%	90%	8%	90%	76%	49%	89%
Female	1,784,396	51%	2%	11%	10%	1%	10%	76%	72%	92%
Race/ethnicity										
Non-white and/or Hispanic (< 100 respondents)	219,221	6%	4%	2%	1%	1%	1%	45%	44%	100%
White, non-Hispanic	3,265,411	94%	11%	98%	99%	5%	99%	77%	52%	90%
Income										
under \$30,000	773,879	22%	5%	10%	10%	2%	11%	68%	55%	90%
\$30,000 to \$39,999	452,334	13%	5%	6%	6%	2%	6%	77%	71%	95%
\$40,000 to \$49,999	467,456	13%	11%	14%	16%	5%	16%	84%	62%	95%
\$50,000 to \$74,999	834,075	24%	15%	34%	34%	6%	35%	78%	58%	92%
\$75,000 to \$99,999	444,712	13%	14%	16%	15%	6%	16%	74%	51%	82%
\$100,000 or more	512,175	15%	15%	20%	19%	5%	16%	74%	23%	86%
Education										
High school graduate, or some high school	692,471	20%	11%	20%	21%	5%	25%	79%	63%	93%
Vo-tech school, assoc. degree, or some college	1,323,702	38%	13%	46%	53%	6%	50%	80%	52%	92%
Graduated from college	787,629	23%	10%	22%	16%	3%	15%	63%	38%	78%
Postgraduate study/postgraduate degrees	680,830	20%	7%	12%	10%	2%	9%	70%	48%	91%
Household size										
1 person	1,117,414	32%	5%	14%	18%	2%	15%	79%	46%	93%
2 people	984,997	28%	9%	25%	24%	4%	24%	77%	56%	92%
3 people	497,888	14%	13%	18%	16%	4%	14%	64%	56%	78%
4 people	561,432	16%	19%	29%	24%	7%	27%	75%	45%	93%
5+ people	322,901	9%	16%	14%	18%	9%	19%	85%	58%	88%

ACTIVITY: Running or jogging

Annual participants 20 years old and older (000's) =	497
Annual days of participation anywhere (000's) =	21,457
Annual days of participation anywhere per participant:	
mean =	43.2
median =	19

Demographic characteristic	----- MN Population ----- (as represented by survey)		----- Activity participation -----			----- Avid participants ----- (> median days per year)		----- Activity days -----		
	Number	Percent	Percent of population participating	Percent of participants	Percent of activity days	Percent of population who are avids	Percent of avid participants	Percent from avid participants	Percent within 1/2 hour drive of home	Percent within Minnesota
Total	3,484,632	100%	14%	100%	100%	7%	100%	89%	93%	96%
Population density of residence (zip code)										
Low (100 people per sq mile or less)	945,362	27%	9%	17%	18%	4%	17%	91%	92%	96%
Medium (101 to 1000 people per sq. mile)	955,296	27%	13%	26%	24%	7%	27%	89%	92%	93%
High (>1000 people per sq. mile)	1,583,974	45%	18%	57%	57%	9%	56%	89%	94%	97%
Region of MN										
Northwest	311,163	9%	6%	4%	3%	3%	4%	88%	92%	92%
Northeast	296,159	8%	9%	6%	5%	4%	5%	85%	89%	97%
South	687,752	20%	13%	18%	21%	8%	22%	93%	94%	96%
Central	315,532	9%	8%	5%	4%	4%	5%	82%	93%	95%
Metro	1,874,027	54%	18%	67%	67%	8%	64%	89%	94%	96%
Age										
20-34	995,621	29%	24%	48%	39%	11%	43%	87%	95%	94%
35-44	824,181	24%	16%	28%	26%	8%	29%	90%	95%	96%
45-54	665,698	19%	12%	16%	22%	7%	18%	91%	93%	98%
55-64	404,868	12%	6%	5%	7%	3%	6%	91%	91%	95%
65+	594,265	17%	3%	3%	6%	2%	4%	95%	80%	97%
Gender										
Male	1,700,236	49%	15%	53%	49%	7%	51%	89%	91%	93%
Female	1,784,396	51%	13%	47%	51%	7%	49%	90%	95%	98%
Race/ethnicity										
Non-white and/or Hispanic (< 100 respondents)	219,221	6%	16%	7%	4%	7%	6%	80%	99%	98%
White, non-Hispanic	3,265,411	94%	14%	93%	96%	7%	94%	89%	93%	95%
Income										
under \$30,000	773,879	22%	7%	10%	15%	5%	15%	96%	94%	100%
\$30,000 to \$39,999	452,334	13%	10%	9%	11%	4%	7%	91%	97%	98%
\$40,000 to \$49,999	467,456	13%	15%	14%	6%	4%	7%	61%	93%	97%
\$50,000 to \$74,999	834,075	24%	17%	29%	28%	9%	31%	89%	95%	95%
\$75,000 to \$99,999	444,712	13%	15%	13%	12%	7%	13%	88%	91%	94%
\$100,000 or more	512,175	15%	25%	26%	28%	13%	27%	90%	89%	93%
Education										
High school graduate, or some high school	692,471	20%	1%	2%	2%	1%	2%	88%	85%	90%
Vo-tech school, assoc. degree, or some college	1,323,702	38%	12%	32%	25%	4%	22%	83%	93%	98%
Graduated from college	787,629	23%	21%	34%	35%	12%	40%	93%	95%	94%
Postgraduate study/postgraduate degrees	680,830	20%	24%	33%	39%	13%	36%	90%	92%	95%
Household size										
1 person	1,117,414	32%	11%	25%	27%	6%	27%	91%	96%	98%
2 people	984,997	28%	15%	30%	33%	7%	28%	89%	93%	96%
3 people	497,888	14%	15%	15%	14%	6%	12%	86%	93%	95%
4 people	561,432	16%	18%	20%	17%	9%	21%	88%	89%	91%
5+ people	322,901	9%	14%	9%	9%	9%	12%	95%	95%	97%

ACTIVITY: Ice skating/hockey outdoors

Annual participants 20 years old and older (000's) =	402
Annual days of participation anywhere (000's) =	2,459
Annual days of participation anywhere per participant:	
mean =	6.1
median =	4

Demographic characteristic	----- MN Population ----- (as represented by survey)		----- Activity participation -----			----- Avid participants ----- (> median days per year)		----- Activity days -----		
	Number	Percent	Percent of population participating	Percent of participants	Percent of activity days	Percent of population who are avids	Percent of avid participants	Percent from avid participants	Percent within 1/2 hour drive of home	Percent within Minnesota
Total	3,484,632	100%	12%	100%	100%	4%	100%	77%	94%	99%
Population density of residence (zip code)										
Low (100 people per sq mile or less)	945,362	27%	5%	11%	12%	1%	8%	76%	91%	99%
Medium (101 to 1000 people per sq. mile)	955,296	27%	12%	29%	32%	4%	25%	77%	91%	98%
High (>1000 people per sq. mile)	1,583,974	45%	15%	60%	56%	6%	67%	77%	96%	99%
Region of MN										
Northwest	311,163	9%	5%	4%	8%	2%	4%	88%	89%	98%
Northeast	296,159	8%	8%	6%	7%	3%	6%	84%	96%	92%
South	687,752	20%	4%	6%	4%	1%	6%	70%	79%	100%
Central	315,532	9%	8%	7%	9%	4%	8%	85%	78%	99%
Metro	1,874,027	54%	17%	77%	72%	6%	76%	74%	97%	99%
Age										
20-34	995,621	29%	19%	46%	46%	6%	45%	76%	96%	100%
35-44	824,181	24%	18%	38%	42%	8%	46%	81%	91%	97%
45-54	665,698	19%	8%	13%	10%	2%	8%	62%	94%	99%
55-64	404,868	12%	2%	2%	3%	1%	2%	80%	98%	100%
65+	594,265	17%	0%	0%	0%	0%	0%	0%	94%	99%
Gender										
Male	1,700,236	49%	13%	55%	49%	4%	49%	73%	93%	98%
Female	1,784,396	51%	10%	45%	51%	4%	51%	81%	95%	99%
Race/ethnicity										
Non-white and/or Hispanic (< 100 respondents)	219,221	6%	7%	4%	6%	4%	5%	87%	70%	100%
White, non-Hispanic	3,265,411	94%	12%	96%	94%	4%	95%	77%	95%	99%
Income										
under \$30,000	773,879	22%	4%	7%	9%	2%	11%	86%	81%	100%
\$30,000 to \$39,999	452,334	13%	10%	11%	6%	2%	5%	51%	97%	100%
\$40,000 to \$49,999	467,456	13%	11%	13%	18%	5%	15%	82%	97%	100%
\$50,000 to \$74,999	834,075	24%	13%	26%	26%	4%	25%	76%	91%	97%
\$75,000 to \$99,999	444,712	13%	12%	14%	15%	4%	17%	83%	99%	99%
\$100,000 or more	512,175	15%	23%	29%	27%	8%	28%	77%	95%	98%
Education										
High school graduate, or some high school	692,471	20%	3%	5%	6%	1%	5%	78%	61%	100%
Vo-tech school, assoc. degree, or some college	1,323,702	38%	10%	32%	45%	4%	40%	87%	97%	98%
Graduated from college	787,629	23%	16%	32%	26%	6%	33%	75%	93%	100%
Postgraduate study/postgraduate degrees	680,830	20%	18%	30%	23%	4%	21%	59%	96%	98%
Household size										
1 person	1,117,414	32%	6%	17%	11%	1%	11%	60%	95%	100%
2 people	984,997	28%	9%	22%	17%	3%	18%	68%	93%	100%
3 people	497,888	14%	19%	23%	33%	9%	31%	87%	92%	99%
4 people	561,432	16%	17%	24%	29%	8%	31%	82%	96%	97%
5+ people	322,901	9%	18%	14%	10%	4%	10%	62%	93%	99%

ACTIVITY: Inline skating, rollerblading, roller skating, roller skiing

Annual participants 20 years old and older (000's) =	394
Annual days of participation anywhere (000's) =	4,733
Annual days of participation anywhere per participant:	
mean =	12.0
median =	4

120 2004 Minnesota Outdoor Recreation Participation Survey

Demographic characteristic	----- MN Population ----- (as represented by survey)		----- Activity participation -----			----- Avid participants ----- (> median days per year)		----- Activity days -----		
	Number	Percent	Percent of population participating	Percent of participants	Percent of activity days	Percent of population who are avids	Percent of avid participants	Percent from avid participants	Percent within 1/2 hour drive of home	Percent within Minnesota
Total	3,484,632	100%	11%	100%	100%	5%	100%	90%	91%	97%
Population density of residence (zip code)										
Low (100 people per sq mile or less)	945,362	27%	5%	12%	8%	3%	14%	84%	88%	99%
Medium (101 to 1000 people per sq. mile)	955,296	27%	10%	23%	19%	4%	20%	89%	79%	95%
High (>1000 people per sq. mile)	1,583,974	45%	16%	65%	73%	8%	66%	90%	94%	97%
Region of MN										
Northwest	311,163	9%	6%	4%	3%	3%	5%	85%	87%	99%
Northeast	296,159	8%	5%	4%	2%	3%	4%	81%	88%	97%
South	687,752	20%	6%	11%	9%	3%	12%	90%	87%	99%
Central	315,532	9%	8%	7%	6%	5%	8%	90%	82%	89%
Metro	1,874,027	54%	16%	74%	79%	7%	72%	90%	92%	97%
Age										
20-34	995,621	29%	20%	49%	39%	9%	49%	85%	93%	98%
35-44	824,181	24%	15%	31%	51%	8%	36%	95%	89%	95%
45-54	665,698	19%	9%	15%	8%	3%	10%	78%	86%	98%
55-64	404,868	12%	4%	4%	3%	2%	5%	90%	95%	96%
65+	594,265	17%	0%	0%	0%	0%	0%	0%	100%	100%
Gender										
Male	1,700,236	49%	10%	42%	35%	5%	41%	87%	83%	96%
Female	1,784,396	51%	13%	58%	65%	6%	59%	91%	94%	97%
Race/ethnicity										
Non-white and/or Hispanic (< 100 respondents)	219,221	6%	10%	5%	19%	7%	8%	98%	100%	100%
White, non-Hispanic	3,265,411	94%	11%	95%	81%	5%	92%	88%	88%	96%
Income										
under \$30,000	773,879	22%	6%	11%	18%	5%	18%	97%	87%	89%
\$30,000 to \$39,999	452,334	13%	11%	12%	9%	4%	10%	87%	90%	92%
\$40,000 to \$49,999	467,456	13%	17%	19%	30%	8%	18%	94%	100%	100%
\$50,000 to \$74,999	834,075	24%	12%	24%	22%	6%	24%	89%	78%	99%
\$75,000 to \$99,999	444,712	13%	14%	15%	8%	6%	13%	78%	85%	99%
\$100,000 or more	512,175	15%	16%	20%	14%	6%	16%	82%	99%	98%
Education										
High school graduate, or some high school	692,471	20%	5%	9%	5%	2%	6%	79%	81%	86%
Vo-tech school, assoc. degree, or some college	1,323,702	38%	11%	36%	40%	5%	33%	89%	96%	100%
Graduated from college	787,629	23%	17%	34%	22%	7%	31%	84%	93%	98%
Postgraduate study/postgraduate degrees	680,830	20%	12%	21%	33%	8%	29%	96%	83%	94%
Household size										
1 person	1,117,414	32%	8%	23%	21%	5%	28%	91%	95%	95%
2 people	984,997	28%	9%	24%	31%	5%	26%	93%	85%	93%
3 people	497,888	14%	18%	23%	17%	7%	18%	84%	86%	99%
4 people	561,432	16%	14%	20%	11%	5%	16%	75%	92%	99%
5+ people	322,901	9%	12%	10%	20%	7%	12%	95%	98%	100%

ACTIVITY: Offroad ATV driving

Annual participants 20 years old and older (000's) =	357
Annual days of participation anywhere (000's) =	6,520
Annual days of participation anywhere per participant:	
mean =	18.2
median =	8

Demographic characteristic	----- MN Population ----- (as represented by survey)		----- Activity participation -----			----- Avid participants ----- (> median days per year)		----- Activity days -----		
	Number	Percent	Percent of population participating	Percent of participants	Percent of activity days	Percent of population who are avids	Percent of avid participants	Percent from avid participants	Percent within 1/2 hour drive of home	Percent within Minnesota
Total	3,484,632	100%	10%	100%	100%	5%	100%	88%	64%	94%
Population density of residence (zip code)										
Low (100 people per sq mile or less)	945,362	27%	16%	43%	57%	9%	52%	93%	76%	97%
Medium (101 to 1000 people per sq. mile)	955,296	27%	13%	34%	32%	6%	34%	88%	60%	91%
High (>1000 people per sq. mile)	1,583,974	45%	5%	23%	11%	1%	14%	68%	18%	89%
Region of MN										
Northwest	311,163	9%	17%	15%	21%	10%	20%	94%	69%	98%
Northeast	296,159	8%	19%	16%	15%	9%	18%	88%	73%	95%
South	687,752	20%	9%	17%	26%	4%	18%	92%	73%	94%
Central	315,532	9%	18%	16%	20%	9%	17%	90%	71%	95%
Metro	1,874,027	54%	7%	37%	18%	2%	26%	74%	30%	90%
Age										
20-34	995,621	29%	16%	46%	41%	7%	44%	88%	59%	98%
35-44	824,181	24%	11%	25%	25%	4%	23%	86%	75%	93%
45-54	665,698	19%	10%	19%	20%	5%	22%	90%	62%	89%
55-64	404,868	12%	6%	7%	8%	3%	7%	90%	62%	89%
65+	594,265	17%	2%	4%	6%	1%	4%	94%	72%	97%
Gender										
Male	1,700,236	49%	15%	70%	75%	7%	80%	90%	63%	93%
Female	1,784,396	51%	6%	30%	25%	2%	20%	83%	69%	98%
Race/ethnicity										
Non-white and/or Hispanic (< 100 respondents)	219,221	6%	5%	3%	2%	1%	1%	85%	89%	98%
White, non-Hispanic	3,265,411	94%	11%	97%	98%	5%	99%	88%	64%	94%
Income										
under \$30,000	773,879	22%	5%	9%	17%	3%	12%	95%	62%	95%
\$30,000 to \$39,999	452,334	13%	8%	10%	8%	2%	7%	83%	71%	98%
\$40,000 to \$49,999	467,456	13%	16%	20%	20%	5%	14%	85%	65%	96%
\$50,000 to \$74,999	834,075	24%	16%	35%	34%	7%	38%	89%	72%	91%
\$75,000 to \$99,999	444,712	13%	8%	10%	8%	4%	11%	85%	52%	96%
\$100,000 or more	512,175	15%	12%	16%	14%	6%	18%	91%	50%	98%
Education										
High school graduate, or some high school	692,471	20%	12%	22%	25%	6%	27%	91%	75%	92%
Vo-tech school, assoc. degree, or some college	1,323,702	38%	14%	50%	60%	7%	54%	91%	62%	95%
Graduated from college	787,629	23%	9%	19%	10%	2%	10%	74%	64%	95%
Postgraduate study/postgraduate degrees	680,830	20%	5%	9%	5%	2%	9%	77%	36%	96%
Household size										
1 person	1,117,414	32%	6%	19%	14%	2%	15%	84%	53%	92%
2 people	984,997	28%	10%	27%	24%	4%	27%	87%	62%	95%
3 people	497,888	14%	12%	17%	17%	5%	16%	87%	67%	96%
4 people	561,432	16%	13%	21%	26%	7%	25%	90%	62%	98%
5+ people	322,901	9%	18%	16%	20%	8%	17%	93%	78%	91%

ACTIVITY: Snowmobiling

Annual participants 20 years old and older (000's) =	342
Annual days of participation anywhere (000's) =	2,918
Annual days of participation anywhere per participant:	
mean =	8.5
median =	5

Demographic characteristic	----- MN Population ----- (as represented by survey)		----- Activity participation -----			----- Avid participants ----- (> median days per year)		----- Activity days -----		
	Number	Percent	Percent of population participating	Percent of participants	Percent of activity days	Percent of population who are avids	Percent of avid participants	Percent from avid participants	Percent within 1/2 hour drive of home	Percent within Minnesota
Total	3,484,632	100%	10%	100%	100%	5%	100%	86%	64%	86%
Population density of residence (zip code)										
Low (100 people per sq mile or less)	945,362	27%	14%	40%	50%	8%	47%	90%	74%	91%
Medium (101 to 1000 people per sq. mile)	955,296	27%	14%	39%	34%	6%	36%	83%	65%	84%
High (>1000 people per sq. mile)	1,583,974	45%	5%	21%	16%	2%	17%	77%	31%	74%
Region of MN										
Northwest	311,163	9%	16%	15%	20%	10%	21%	93%	74%	93%
Northeast	296,159	8%	18%	16%	23%	9%	16%	90%	73%	91%
South	687,752	20%	10%	19%	21%	5%	21%	89%	69%	88%
Central	315,532	9%	16%	15%	11%	7%	14%	79%	61%	88%
Metro	1,874,027	54%	6%	35%	25%	2%	27%	77%	46%	74%
Age										
20-34	995,621	29%	13%	37%	34%	5%	32%	84%	56%	76%
35-44	824,181	24%	15%	36%	38%	7%	37%	87%	71%	92%
45-54	665,698	19%	10%	19%	19%	5%	22%	85%	64%	92%
55-64	404,868	12%	6%	7%	7%	3%	7%	90%	68%	87%
65+	594,265	17%	1%	1%	2%	1%	2%	95%	81%	97%
Gender										
Male	1,700,236	49%	14%	71%	74%	7%	75%	87%	64%	83%
Female	1,784,396	51%	6%	29%	26%	2%	25%	83%	65%	94%
Race/ethnicity										
Non-white and/or Hispanic (<100 respondents)	219,221	6%	6%	4%	2%	1%	2%	57%	29%	92%
White, non-Hispanic	3,265,411	94%	10%	96%	98%	5%	98%	86%	65%	86%
Income										
under \$30,000	773,879	22%	4%	8%	9%	2%	10%	88%	62%	94%
\$30,000 to \$39,999	452,334	13%	10%	13%	11%	3%	9%	81%	77%	92%
\$40,000 to \$49,999	467,456	13%	10%	13%	12%	4%	11%	87%	66%	82%
\$50,000 to \$74,999	834,075	24%	15%	36%	36%	8%	40%	86%	55%	78%
\$75,000 to \$99,999	444,712	13%	13%	17%	12%	5%	14%	77%	66%	91%
\$100,000 or more	512,175	15%	9%	14%	20%	6%	18%	91%	74%	91%
Education										
High school graduate, or some high school	692,471	20%	9%	17%	18%	5%	20%	86%	65%	92%
Vo-tech school, assoc. degree, or some college	1,323,702	38%	13%	49%	59%	7%	55%	88%	68%	85%
Graduated from college	787,629	23%	9%	21%	16%	4%	18%	83%	46%	78%
Postgraduate study/postgraduate degrees	680,830	20%	6%	12%	7%	2%	7%	69%	71%	93%
Household size										
1 person	1,117,414	32%	5%	16%	17%	2%	14%	89%	55%	88%
2 people	984,997	28%	9%	25%	25%	4%	28%	88%	70%	91%
3 people	497,888	14%	12%	17%	18%	6%	18%	85%	76%	87%
4 people	561,432	16%	16%	27%	26%	8%	27%	83%	55%	77%
5+ people	322,901	9%	16%	15%	14%	6%	12%	83%	69%	90%

ACTIVITY: Downhill skiing/snowboarding

Annual participants 20 years old and older (000's) =	313
Annual days of participation anywhere (000's) =	1,514
Annual days of participation anywhere per participant:	
mean =	4.8
median =	2

Demographic characteristic	----- MN Population ----- (as represented by survey)		----- Activity participation -----			----- Avid participants ----- (> median days per year)		----- Activity days -----		
	Number	Percent	Percent of population participating	Percent of participants	Percent of activity days	Percent of population who are avids	Percent of avid participants	Percent from avid participants	Percent within 1/2 hour drive of home	Percent within Minnesota
Total	3,484,632	100%	9%	100%	100%	4%	100%	85%	43%	71%
Population density of residence (zip code)										
Low (100 people per sq mile or less)	945,362	27%	5%	16%	13%	1%	9%	79%	34%	88%
Medium (101 to 1000 people per sq. mile)	955,296	27%	9%	27%	39%	4%	30%	90%	57%	71%
High (>1000 people per sq. mile)	1,583,974	45%	11%	57%	47%	5%	61%	82%	33%	66%
Region of MN										
Northwest	311,163	9%	3%	3%	5%	2%	3%	91%	18%	92%
Northeast	296,159	8%	5%	5%	5%	2%	4%	82%	50%	84%
South	687,752	20%	9%	20%	30%	4%	17%	91%	57%	76%
Central	315,532	9%	8%	8%	8%	2%	5%	78%	37%	83%
Metro	1,874,027	54%	11%	63%	52%	5%	70%	82%	38%	63%
Age										
20-34	995,621	29%	14%	46%	37%	5%	37%	78%	37%	81%
35-44	824,181	24%	13%	34%	42%	6%	37%	90%	53%	69%
45-54	665,698	19%	8%	16%	15%	5%	22%	87%	31%	61%
55-64	404,868	12%	2%	3%	3%	1%	3%	87%	46%	65%
65+	594,265	17%	1%	1%	2%	0%	2%	93%	14%	15%
Gender										
Male	1,700,236	49%	10%	54%	52%	4%	52%	84%	37%	71%
Female	1,784,396	51%	8%	46%	48%	4%	48%	86%	50%	71%
Race/ethnicity										
Non-white and/or Hispanic (< 100 respondents)	219,221	6%	7%	5%	4%	3%	5%	87%	17%	39%
White, non-Hispanic	3,265,411	94%	9%	95%	96%	4%	95%	85%	44%	72%
Income										
under \$30,000	773,879	22%	6%	14%	13%	2%	9%	73%	20%	75%
\$30,000 to \$39,999	452,334	13%	7%	10%	15%	5%	14%	93%	52%	64%
\$40,000 to \$49,999	467,456	13%	5%	8%	18%	2%	7%	94%	80%	93%
\$50,000 to \$74,999	834,075	24%	9%	22%	13%	3%	18%	75%	29%	67%
\$75,000 to \$99,999	444,712	13%	11%	15%	13%	5%	14%	81%	33%	84%
\$100,000 or more	512,175	15%	20%	31%	27%	11%	37%	86%	38%	56%
Education										
High school graduate, or some high school	692,471	20%	3%	7%	6%	1%	3%	68%	55%	92%
Vo-tech school, assoc. degree, or some college	1,323,702	38%	6%	24%	24%	3%	25%	87%	40%	87%
Graduated from college	787,629	23%	15%	37%	32%	7%	38%	84%	35%	59%
Postgraduate study/postgraduate degrees	680,830	20%	15%	33%	38%	7%	34%	88%	50%	68%
Household size										
1 person	1,117,414	32%	5%	19%	36%	3%	26%	95%	56%	78%
2 people	984,997	28%	9%	27%	26%	4%	28%	85%	32%	67%
3 people	497,888	14%	15%	23%	21%	7%	26%	82%	41%	70%
4 people	561,432	16%	10%	19%	13%	4%	16%	76%	39%	65%
5+ people	322,901	9%	12%	12%	4%	2%	5%	39%	16%	65%

ACTIVITY: Gather mushrooms, berries, or other wild foods

Annual participants 20 years old and older (000's) =	302
Annual days of participation anywhere (000's) =	1,623
Annual days of participation anywhere per participant:	
mean =	5.4
median =	2

Demographic characteristic	----- MN Population ----- (as represented by survey)		----- Activity participation -----			----- Avid participants ----- (> median days per year)		----- Activity days -----		
	Number	Percent	Percent of population participating	Percent of participants	Percent of activity days	Percent of population who are avids	Percent of avid participants	Percent from avid participants	Percent within 1/2 hour drive of home	Percent within Minnesota
Total	3,484,632	100%	9%	100%	100%	4%	100%	86%	73%	92%
Population density of residence (zip code)										
Low (100 people per sq mile or less)	945,362	27%	12%	38%	40%	7%	48%	90%	77%	96%
Medium (101 to 1000 people per sq. mile)	955,296	27%	8%	24%	35%	3%	22%	90%	78%	89%
High (>1000 people per sq. mile)	1,583,974	45%	7%	38%	26%	3%	30%	75%	58%	89%
Region of MN										
Northwest	311,163	9%	11%	11%	13%	7%	15%	92%	77%	97%
Northeast	296,159	8%	19%	19%	15%	7%	15%	79%	70%	93%
South	687,752	20%	7%	17%	28%	5%	25%	96%	87%	98%
Central	315,532	9%	7%	7%	5%	3%	7%	82%	74%	95%
Metro	1,874,027	54%	7%	46%	39%	3%	37%	81%	62%	85%
Age										
20-34	995,621	29%	9%	29%	35%	3%	23%	87%	79%	90%
35-44	824,181	24%	10%	28%	24%	5%	32%	86%	69%	91%
45-54	665,698	19%	9%	19%	14%	4%	19%	78%	75%	93%
55-64	404,868	12%	8%	11%	12%	4%	12%	89%	78%	91%
65+	594,265	17%	7%	12%	15%	3%	14%	89%	58%	99%
Gender										
Male	1,700,236	49%	10%	57%	51%	5%	56%	84%	67%	90%
Female	1,784,396	51%	7%	43%	49%	3%	44%	88%	79%	95%
Race/ethnicity										
Non-white and/or Hispanic (< 100 respondents)	219,221	6%	4%	3%	3%	3%	4%	79%	88%	96%
White, non-Hispanic	3,265,411	94%	9%	97%	97%	4%	96%	86%	72%	92%
Income										
under \$30,000	773,879	22%	8%	20%	34%	5%	28%	94%	71%	86%
\$30,000 to \$39,999	452,334	13%	9%	14%	19%	4%	12%	90%	87%	98%
\$40,000 to \$49,999	467,456	13%	6%	9%	6%	3%	9%	78%	69%	95%
\$50,000 to \$74,999	834,075	24%	11%	29%	23%	4%	26%	83%	84%	96%
\$75,000 to \$99,999	444,712	13%	10%	15%	7%	3%	10%	64%	56%	89%
\$100,000 or more	512,175	15%	8%	13%	11%	4%	14%	82%	51%	93%
Education										
High school graduate, or some high school	692,471	20%	7%	17%	25%	4%	21%	92%	86%	97%
Vo-tech school, assoc. degree, or some college	1,323,702	38%	9%	38%	38%	4%	36%	85%	67%	90%
Graduated from college	787,629	23%	7%	19%	9%	2%	10%	63%	54%	87%
Postgraduate study/postgraduate degrees	680,830	20%	12%	26%	28%	7%	33%	90%	75%	91%
Household size										
1 person	1,117,414	32%	7%	26%	23%	2%	19%	81%	79%	95%
2 people	984,997	28%	8%	26%	32%	4%	30%	90%	68%	83%
3 people	497,888	14%	11%	18%	22%	5%	18%	88%	80%	98%
4 people	561,432	16%	11%	21%	17%	6%	26%	88%	63%	96%
5+ people	322,901	9%	9%	10%	7%	3%	7%	74%	75%	95%

ACTIVITY: Cross country skiing

Annual participants 20 years old and older (000's) =	227
Annual days of participation anywhere (000's) =	1,486
Annual days of participation anywhere per participant:	
mean =	6.5
median =	2

Demographic characteristic	----- MN Population ----- (as represented by survey)		----- Activity participation -----			----- Avid participants ----- (> median days per year)		----- Activity days -----		
	Number	Percent	Percent of population participating	Percent of participants	Percent of activity days	Percent of population who are avids	Percent of avid participants	Percent from avid participants	Percent within 1/2 hour drive of home	Percent within Minnesota
Total	3,484,632	100%	7%	100%	100%	3%	100%	89%	76%	87%
Population density of residence (zip code)										
Low (100 people per sq mile or less)	945,362	27%	4%	16%	17%	2%	18%	89%	82%	98%
Medium (101 to 1000 people per sq. mile)	955,296	27%	4%	16%	14%	2%	22%	91%	73%	93%
High (>1000 people per sq. mile)	1,583,974	45%	10%	68%	68%	4%	60%	88%	76%	83%
Region of MN										
Northwest	311,163	9%	4%	5%	6%	2%	5%	93%	85%	100%
Northeast	296,159	8%	6%	8%	11%	4%	12%	94%	81%	97%
South	687,752	20%	4%	11%	9%	2%	10%	84%	76%	94%
Central	315,532	9%	4%	5%	5%	2%	7%	90%	67%	98%
Metro	1,874,027	54%	9%	70%	70%	4%	65%	88%	75%	82%
Age										
20-34	995,621	29%	6%	26%	33%	2%	20%	92%	71%	72%
35-44	824,181	24%	9%	33%	24%	4%	30%	82%	84%	93%
45-54	665,698	19%	9%	27%	30%	5%	34%	92%	74%	94%
55-64	404,868	12%	5%	9%	10%	3%	13%	94%	89%	97%
65+	594,265	17%	2%	5%	2%	1%	3%	60%	52%	98%
Gender										
Male	1,700,236	49%	5%	40%	50%	3%	45%	92%	77%	88%
Female	1,784,396	51%	8%	60%	50%	3%	55%	85%	75%	85%
Race/ethnicity										
Non-white and/or Hispanic (< 100 respondents)	219,221	6%	1%	1%	0%	1%	1%	100%	100%	100%
White, non-Hispanic	3,265,411	94%	7%	99%	100%	3%	99%	89%	76%	87%
Income										
under \$30,000	773,879	22%	3%	10%	16%	2%	16%	96%	71%	71%
\$30,000 to \$39,999	452,334	13%	3%	7%	7%	2%	7%	94%	84%	98%
\$40,000 to \$49,999	467,456	13%	4%	9%	4%	1%	3%	65%	86%	98%
\$50,000 to \$74,999	834,075	24%	9%	32%	42%	3%	26%	89%	77%	86%
\$75,000 to \$99,999	444,712	13%	5%	10%	11%	3%	13%	94%	79%	100%
\$100,000 or more	512,175	15%	15%	32%	20%	7%	36%	84%	70%	84%
Education										
High school graduate, or some high school	692,471	20%	1%	4%	8%	1%	5%	96%	89%	100%
Vo-tech school, assoc. degree, or some college	1,323,702	38%	3%	16%	17%	2%	21%	91%	75%	93%
Graduated from college	787,629	23%	10%	33%	15%	2%	19%	69%	77%	96%
Postgraduate study/postgraduate degrees	680,830	20%	16%	47%	60%	8%	55%	92%	75%	81%
Household size										
1 person	1,117,414	32%	5%	27%	22%	2%	21%	84%	78%	96%
2 people	984,997	28%	8%	35%	30%	4%	38%	88%	78%	79%
3 people	497,888	14%	9%	19%	15%	4%	19%	88%	75%	93%
4 people	561,432	16%	5%	12%	25%	3%	16%	96%	73%	81%
5+ people	322,901	9%	5%	7%	9%	2%	6%	84%	79%	93%

ACTIVITY: Horseback riding

Annual participants 20 years old and older (000's) =	157
Annual days of participation anywhere (000's) =	1,382
Annual days of participation anywhere per participant:	
mean =	8.8
median =	1

Demographic characteristic	----- MN Population ----- (as represented by survey)		----- Activity participation -----			----- Avid participants ----- (> median days per year)		----- Activity days -----		
	Number	Percent	Percent of population participating	Percent of participants	Percent of activity days	Percent of population who are avids	Percent of avid participants	Percent from avid participants	Percent within 1/2 hour drive of home	Percent within Minnesota
Total	3,484,632	100%	5%	100%	100%	2%	100%	96%	86%	89%
Population density of residence (zip code)										
Low (100 people per sq mile or less)	945,362	27%	5%	31%	51%	4%	50%	99%	90%	90%
Medium (101 to 1000 people per sq. mile)	955,296	27%	5%	30%	41%	2%	25%	96%	91%	95%
High (>1000 people per sq. mile)	1,583,974	45%	4%	39%	8%	1%	25%	71%	37%	59%
Region of MN										
Northwest	311,163	9%	3%	6%	8%	3%	12%	99%	95%	97%
Northeast	296,159	8%	4%	8%	5%	3%	13%	98%	78%	85%
South	687,752	20%	5%	21%	26%	2%	17%	96%	92%	95%
Central	315,532	9%	6%	12%	38%	4%	16%	99%	94%	90%
Metro	1,874,027	54%	4%	53%	23%	2%	43%	88%	67%	79%
Age										
20-34	995,621	29%	5%	34%	37%	2%	24%	95%	92%	86%
35-44	824,181	24%	6%	33%	40%	4%	43%	97%	89%	95%
45-54	665,698	19%	6%	26%	12%	2%	20%	88%	86%	95%
55-64	404,868	12%	2%	5%	9%	2%	9%	99%	74%	81%
65+	594,265	17%	1%	2%	2%	1%	4%	98%	0%	35%
Gender										
Male	1,700,236	49%	4%	38%	33%	2%	40%	95%	86%	93%
Female	1,784,396	51%	5%	62%	67%	3%	60%	96%	87%	87%
Race/ethnicity										
Non-white and/or Hispanic (< 100 respondents)	219,221	6%	2%	3%	0%	0%	0%	0%	0%	28%
White, non-Hispanic	3,265,411	94%	5%	97%	100%	2%	100%	96%	87%	89%
Income										
under \$30,000	773,879	22%	3%	14%	11%	2%	20%	96%	66%	71%
\$30,000 to \$39,999	452,334	13%	3%	8%	5%	1%	3%	88%	80%	83%
\$40,000 to \$49,999	467,456	13%	5%	13%	28%	3%	19%	99%	90%	88%
\$50,000 to \$74,999	834,075	24%	5%	25%	28%	3%	33%	97%	88%	93%
\$75,000 to \$99,999	444,712	13%	5%	14%	7%	2%	9%	88%	83%	92%
\$100,000 or more	512,175	15%	8%	25%	21%	2%	16%	93%	95%	96%
Education										
High school graduate, or some high school	692,471	20%	2%	8%	13%	1%	11%	98%	99%	98%
Vo-tech school, assoc. degree, or some college	1,323,702	38%	6%	46%	56%	3%	50%	97%	85%	86%
Graduated from college	787,629	23%	3%	17%	10%	2%	21%	94%	74%	96%
Postgraduate study/postgraduate degrees	680,830	20%	7%	29%	21%	2%	18%	92%	86%	89%
Household size										
1 person	1,117,414	32%	4%	26%	43%	2%	33%	98%	86%	93%
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3 people	497,888	14%	4%	14%	25%	3%	23%	99%	96%	98%
4 people	561,432	16%	5%	19%	6%	2%	11%	81%	73%	86%
5+ people	322,901	9%	6%	12%	16%	4%	15%	97%	92%	80%

ACTIVITY: Snowshoeing

Annual participants 20 years old and older (000's) =	146
Annual days of participation anywhere (000's) =	535
Annual days of participation anywhere per participant:	
mean =	3.7
median =	2

Demographic characteristic	----- MN Population ----- (as represented by survey)		----- Activity participation -----			----- Avid participants ----- (> median days per year)		----- Activity days -----		
	Number	Percent	Percent of population participating	Percent of participants	Percent of activity days	Percent of population who are avids	Percent of avid participants	Percent from avid participants	Percent within 1/2 hour drive of home	Percent within Minnesota
Total	3,484,632	100%	4%	100%	100%	2%	100%	79%	61%	81%
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Medium (101 to 1000 people per sq. mile)	955,296	27%	5%	32%	25%	2%	30%	72%	62%	71%
High (>1000 people per sq. mile)	1,583,974	45%	4%	44%	45%	1%	40%	77%	50%	76%
Region of MN										
Northwest	311,163	9%	2%	5%	3%	1%	4%	76%	77%	100%
Northeast	296,159	8%	8%	15%	18%	3%	18%	82%	81%	92%
South	687,752	20%	3%	14%	18%	2%	20%	89%	57%	69%
Central	315,532	9%	3%	7%	6%	1%	8%	81%	54%	99%
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Age										
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35-44	824,181	24%	5%	26%	30%	3%	38%	87%	40%	64%
45-54	665,698	19%	7%	32%	31%	2%	20%	73%	73%	95%
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