

# **FINAL REPORT**

## **TENNESSEE OHV USER SURVEY**

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# **I. Executive Summary: Tennessee Off-Highway Vehicle Survey**

## **A. Introduction**

Along with the growing popularity of off-highway vehicle (OHV) recreation in the United States, there has been an inevitable increase in demand for areas which provide for such recreation. This growth has occurred for a number of reasons which include but are not limited to: an ever increasing population, increases in amounts of free time and expendable income, and advances in OHV technology. Meanwhile, according to a report prepared for the Recreation Roundtable in Washington, D.C. entitled Outdoor Recreation in America 1998, the nationwide level of satisfaction with services and areas provided for this type of recreation is relatively low.

In Tennessee, off-highway vehicle (OHV) recreation surfaced as a high priority issue during the statewide recreation planning process in 1995. As a result, Governor Sundquist appointed a committee of state, federal, and public representatives to develop recommendations for a statewide OHV recreation plan. The University of Tennessee was commissioned in 1999 to conduct a survey in as a part of this committee's information gathering process. The purpose of this study was to articulate the nature and extent of OHV recreation in Tennessee and its associated economic impacts. Furthermore, the study was to characterize and describe OHV users in Tennessee, their perception of the current situation, and their level of support for aspects of a potential future OHV recreation program.

The results of the survey are presented in this report. They are organized into four sub-sections to facilitate the reader's ability to find pertinent information quickly. The first section seeks to describe the people who participate in OHV recreation in Tennessee. The second section focuses on characteristics of OHV recreation trips. The third section shows the perceptions of or level of satisfaction with the current status of OHV recreation in Tennessee. The fourth section deals with the preferences of OHV users and their level of support for different aspects of a potential future state OHV program. These four sections are followed by a set of appendices which include examples of the mail and telephone surveys, as well as a catalog of comments from survey respondents.

For presentation in this report, survey respondents themselves are divided into four groups according to the types of machines owned and used during OHV recreation. This was done to highlight the subtle differences among OHV user sub-groups. The first group consisted of those who own an all-terrain vehicle (ATV) only, and the second group was made up of those who own a four wheel drive truck (4wd) only. The third group included those respondents who own either an off highway motorcycle only or both an off highway motorcycle and any other type of off highway machine. The fourth and final group includes those respondents who own both an ATV and a 4wd.

## **B. Research Methods**

Information gathering techniques for this project included a combination of on-site, telephone, and mail surveys. These surveys were developed and conducted by the Human Dimensions Research Lab of the Department of Forestry, Wildlife, and Fisheries at the University of Tennessee, Knoxville. Three sub-populations were identified and surveyed, including OHV special event participants, Tennessee sportsmen, and the general population.

Event riders consisted of participants in the Dixie Run, Appalachian Jeep Jamboree, Gateway to the Cumberlands, and VSTA OHV events. These people filled out a short on-site survey and were asked if they could be contacted in the future. Participants in those events who live in Tennessee and who agreed to be contacted were sent a mail survey. Of those 340 participants, 169 completed and returned mail surveys for a response rate of 49.7%.

Tennessee sportsmen interviewed during the Fall 2000 TWRA hunting and fishing survey were asked if they owned or used an OHV for recreational purposes. Those who responded "yes" were then asked if they could be contacted with a follow-up mail survey. A random sample of those sportsmen who agreed to be contacted was selected to receive an OHV mail survey. Of those 587 sportsmen, 180 completed and returned mail surveys resulting in a response rate of 31.7%.

For the general population survey, a randomly generated sample of Tennessee telephone numbers was purchased from Survey Sampling, Inc. in Fairfield, Connecticut. Upon contact, the person answering the telephone was asked if anyone in the household had driven or ridden an OHV in the past 12 months. If the response to this question was affirmative, then the person administering the survey asked to speak with the primary OHV user in that household. Using Random Digit Dial (RDD), 721 households were contacted, and 411 interviews were completed by telephone for an RDD Telephone response rate of 57.0%. A follow-up mail survey was then sent to 158 OHV users identified in the RDD Telephone survey. Of those follow-up surveys, 60 were completed and returned for a 38.0% response rate.

### **1. Weighting**

Participants in the random digit dial (RDD) telephone survey are representative of the various types of OHV users in the general population. Therefore, these data were used to develop population estimates of OHV users. Participants in the special events and the sportsmen survey were self-selected (attendance at events) or selected on the basis of participation in hunting or fishing and therefore were not representative of the general population for population estimates, etc. For example, ORVs are used more often by sportsmen than with event riders. In order to make our sample representative of the overall population and to also be able to use all the participant surveys, the data from the event, sportsmen and RDD surveys were combined and weighted to be representative of general population.

## **2. Survey Versions**

The event riders and sportsmen were both sent long versions of the mail survey. Their booklet consisted of 22 pages of questions about their OHV usage, experience, activities, and economics; their opinions toward future OHV programs; and demographic information.

When surveying the general population in Tennessee, it was generally known that the OHV population within the state was small. Finding that population to interview via a mail survey would be tedious and cost prohibitive. A telephone survey format expedites the process of quickly finding a household in the state with an OHV user. The questions from the mail survey were incorporated into a telephone survey, which meant that some of the interview questions were adapted to be more appropriate for a telephone survey format versus a mail survey. Length of the survey became a factor when conducting the interview via telephone. Survey questions were prioritized and those questions with higher priority were incorporated into the telephone interview. The remaining questions were sent to the respondent in a shortened version of the mail survey.

## **C. Summary of Results**

### **Section A: Characteristics of OHV users in Tennessee**

- The majority of respondents do not use their OHVs for work purposes.
- Those who use their OHVs for work do so about half of the time.
- Those who own an off-highway motorcycle (OHM) spend most of their time doing recreational trail riding and are more likely than others to participate in competitions and organized events.
- Those who own ATVs or 4WDs are more likely than OHM owners to use their vehicle for work or hunting and fishing.
- There are currently more than 500,000 estimated total OHVs in Tennessee. The majority of these are 4WDs that are already registered for highway use.
- It is estimated that there are more than 250,000 households with an OHV user and more than 500,000 total OHV users in Tennessee.
- The number of active OHV recreational users who used an OHV for recreation “off-road” in the past 12 months is estimated at more than 250,000 (representing over 150,000 households).

- OHV users in Tennessee are primarily Caucasian males who are middle-aged and married. They are also well educated and from strong middle-class income ranges.
- OHV users in Tennessee are likely to be professional workers, skilled trades persons, or managers or executives.
- On average, OHV users in Tennessee rate their own skill level as being more advanced than intermediate.
- The vast majority of OHV users in Tennessee have not completed any kind of safety education program. Of those who have completed a safety education program, most did so in Tennessee.
- Most OHV users in Tennessee did not incur an OHV related injury in the 12 months prior to the survey, although motorcycle users were more likely to have had an OHV injury. Injuries reported included: bumps, bruises, cuts, scrapes, and various broken bones.
- The most frequently reported motivations for OHV driving included: enjoying natural scenery, being with other people with similar interests, and getting away from crowds of people.

#### **Section B: Types of OHV use and trip characteristics**

- The most popular reason respondents gave for using their most frequently visited area most often was that the area is “easy to get to.”
- Among Tennessee OHV participants, more time is spent riding in Tennessee than in other states.
- OHV users in Tennessee ride more often on private land than public land.
- Most OHV trips in Tennessee are less than a day in duration. Only about 20% of respondents said that their typical OHV trip lasts more than one day.
- Most people have never paid a fee to ride on private land. A number of users ride OHVs on their own land.
- While OHV users often ride with friends and family, they also ride alone.



- On average, respondents reported a group size of about 4 or 5 people and 3 or 4 vehicles when on OHV trips.

### **Section C: Perceptions of OHV users in Tennessee**

- Generally more OHV users were dissatisfied than satisfied with OHV opportunities and management in Tennessee, particularly those with motorcycles.
- Most respondents are satisfied with their OHV experiences in Tennessee.
- Data suggest that OHV users believe that litter is a minor to moderate problem in the areas they most frequently use for OHV recreation in Tennessee.
- The following are seen as minor problems: poor communication of rules and regulations, OHVs traveling too fast, lack of suitable campsites, and OHV impacts on soil and vegetation.

### **Section D: Preferences of OHV users in Tennessee**

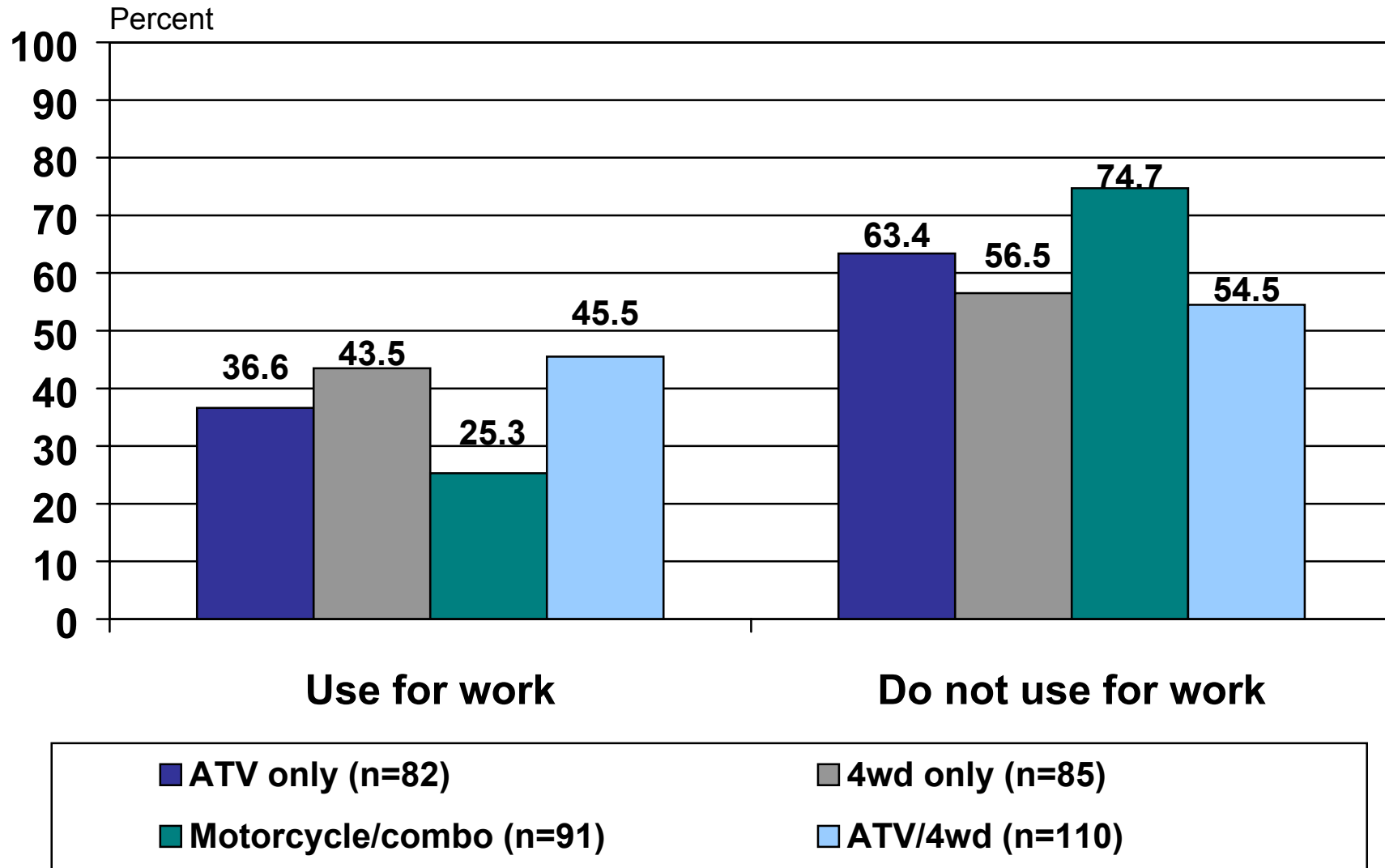
- A slight majority of respondents said that there is no other area (besides the one they use most frequently) where they would prefer to ride more often.
- Of those who said there was an area they would prefer to ride more often, the most frequently reported reasons for preferring these areas included: close proximity, good hunting, scenic beauty, and preferred terrain.
- Most respondents tend to seek different areas to ride as opposed to visiting the same area.
- Motorcycle riders prefer rugged, steep, rocky trails while other OHV users prefer roads/trails with few obstacles.
- OHV riders almost equally prefer marked roads/trails to those that are unmarked except for motorcycle users who tend to prefer marked roads/trails.
- Many OHV users in Tennessee prefer to participate in sightseeing, hunting, fishing, and camping while on OHV trips.

- The majority of survey respondents support a program to develop and maintain OHV areas including restrooms, parking lots, campsites (including primitive camping on long distance trails), and OHV play areas. There is a high preference for signs that show trail length and difficulty and maps of areas and access points.
- A majority of respondents support a one-time safety certification.
- While most OHV users oppose an annual registration fee for OHVs, they favor using license fees for the management of OHV programs.
- OHV users overwhelmingly support requiring helmets for children and a majority of respondents support requiring helmets for adults.
- Event riders are more willing than sportsmen to pay fees for both maintenance and management of OHV areas and for safety and education programs.
- More than half of the general population of OHV users in Tennessee is willing to pay either \$5.00 or \$7.50 for a daily riding fee and up to \$75 for a yearly riding fee if proceeds go to maintenance and management of OHV areas.
- Almost half of the general population of OHV users in Tennessee is willing to pay up to \$50 for an annual license if proceeds go to safety and education programs.

# A. Characteristics of OHV Users in Tennessee

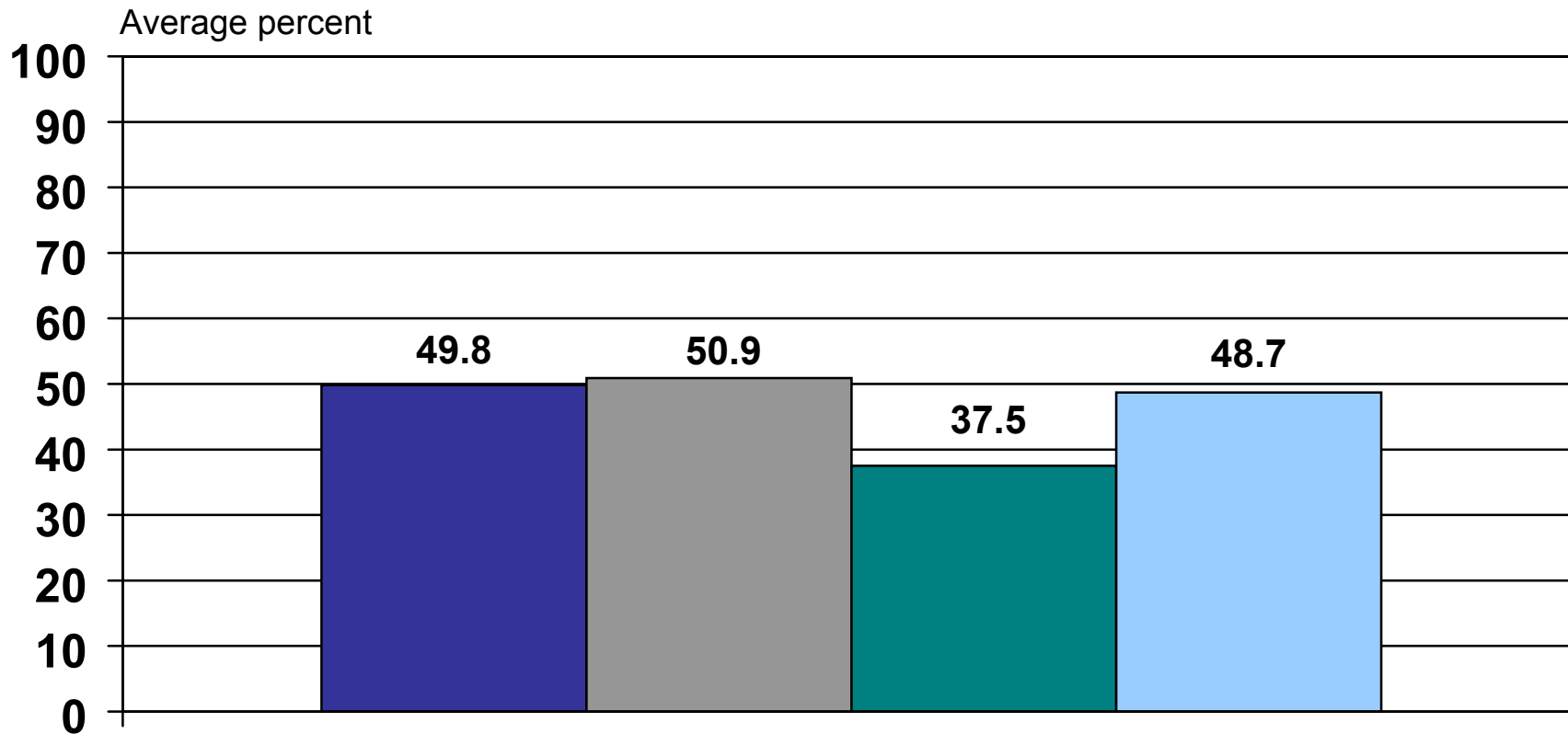
## A.1 Work vs. Recreational Use of OHVs

# Graph A1.1 - Use of OHVs for Work Purposes (Q4)



p < .05

# Graph A1.2 - Percent of Time Use OHVs for Work Purposes (Q4a)



% of time use for work

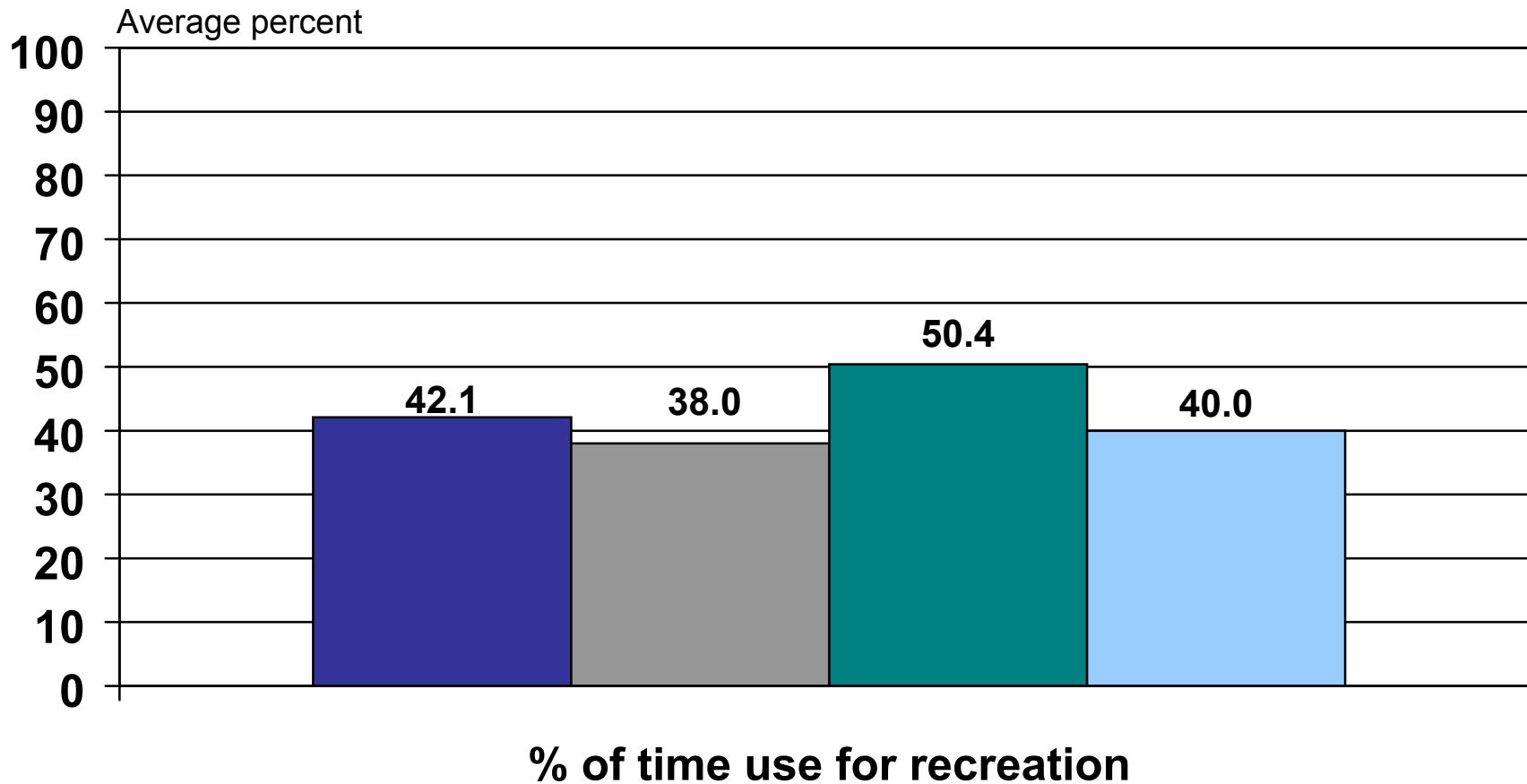
■ ATV only (n=30)

■ 4wd only (n=34)

■ Motorcycle/combo (n=22)

■ ATV/4wd (n=45)

# Graph A1.3 - Percent of Time Use OHVs for Recreation Purposes (Q4b) (if vehicle also used for work)



■ ATV only (n=28)

■ 4wd only (n=34)

■ Motorcycle/combo (n=22)

■ ATV/4wd (n=41)

**Table A1.4 - Average Percent of Time Use OHV for Activities (Q15)**

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Average % of time	<b>Off-Highway Motorcycle</b> (n=60)	<b>ATV</b> (n=129)	<b>4-Wheel Drive</b> (n=135)
Competition	11.6%	0.6%	0.2%
Organized events	10.0%	2.3%	4.7%
Work	1.3%	15.1%	31.9%
Recreational Trail Riding	67.0%	50.4%	24.2%
Hunting/Fishing	4.5%	30.9%	34.5%

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## A.2 Population Estimates of OHV Users in Tennessee



**Table A2.1 - OHV Population Estimates  
(Based on RDD Survey)**

Estimated Number of Households with an OHV User

Number of households (HH's) in TN (2000 census)

West (I)	Middle (II)	Plateau (III)	East (IV)	Total
589,468	695,320	364,953	583,164	2,232,905

Percent of Households with an OHV user (RDD)

West (I)	Middle (II)	Plateau (III)	East (IV)	Total
10.47%	10.89%	12.57%	12.86%	11.61%

Estimated # of households with an OHV user (RDD x census)

West (I)	Middle (II)	Plateau (III)	East (IV)	Total
61,717	75,720	45,875	74,995	259,240

Estimated Total Number of OHV Users

Mean number of OHV users per OHV household (RDD)

West (I)	Middle (II)	Plateau (III)	East (IV)	Total
2.06	2.21	2.28	2.05	2.14

Estimated total # of OHV users (RDD x census)

West (I)	Middle (II)	Plateau (III)	East (IV)	Total
127,137	167,341	104,595	153,740	554,774

**Table A2.1 - OHV Population Estimates - (cont.)  
(Based on RDD Survey)**

Estimated Number of OHV Active Users

Percent of OHV users who actually use an OHV for recreation "off-road" in past 12 months (RDD)

West (I)	Middle (II)	Plateau (III)	East (IV)	Total
64.71%	43.75%	56.36%	42.96%	50.5%

Estimated # of active users (RDD x census)

West (I)	Middle (II)	Plateau (III)	East (IV)	Total
82,270	73,212	58,950	66,047	280,161

Estimated Number of Households with an Active User

Percent of households with at least one active user

West (I)	Middle (II)	Plateau (III)	East (IV)	Total
67.4%	60.2%	61.3%	53.9%	60.1%

Estimated # of households with at least one active user

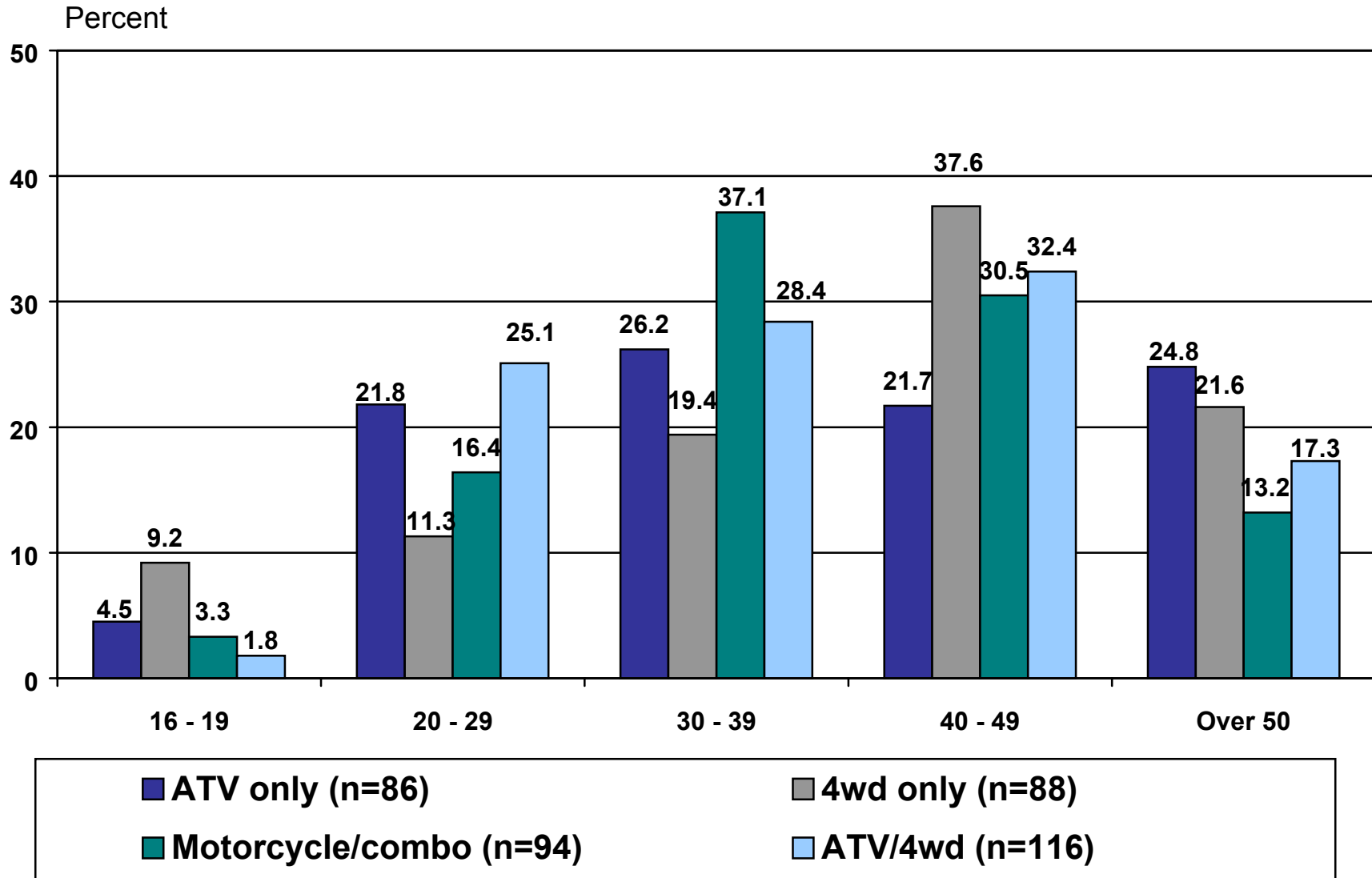
West (I)	Middle (II)	Plateau (III)	East (IV)	Total
41,597	45,583	28,121	40,422	155,803

**Table A2.2 - Number of OHV in Tennessee  
by Type and Registration Status**

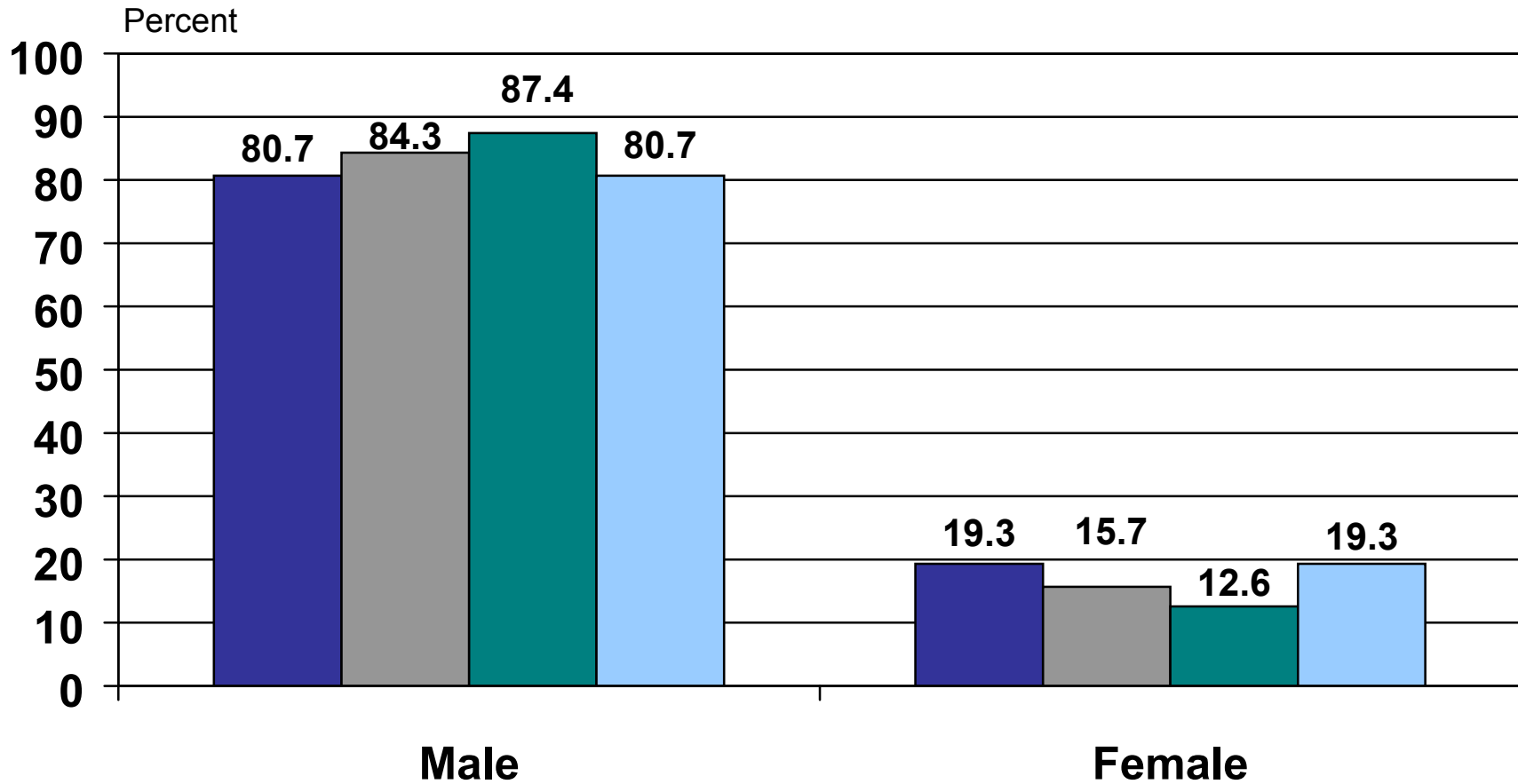
<b>Type</b>	<b>Estimated Number</b>	<b>Percent Registered</b>	<b>Percent of all OHVs</b>
Motorcycles	46,145	13.7%	8.7%
ATVs	153,211	7.4%	28.0%
4wds	324,050	93.6%	61.5%
Rail/dune buggies	4,407	14.3%	0.8%

## A.3 Demographics of OHV Users in Tennessee

# Graph A3.1 - Age



# Graph A3.2 - Gender



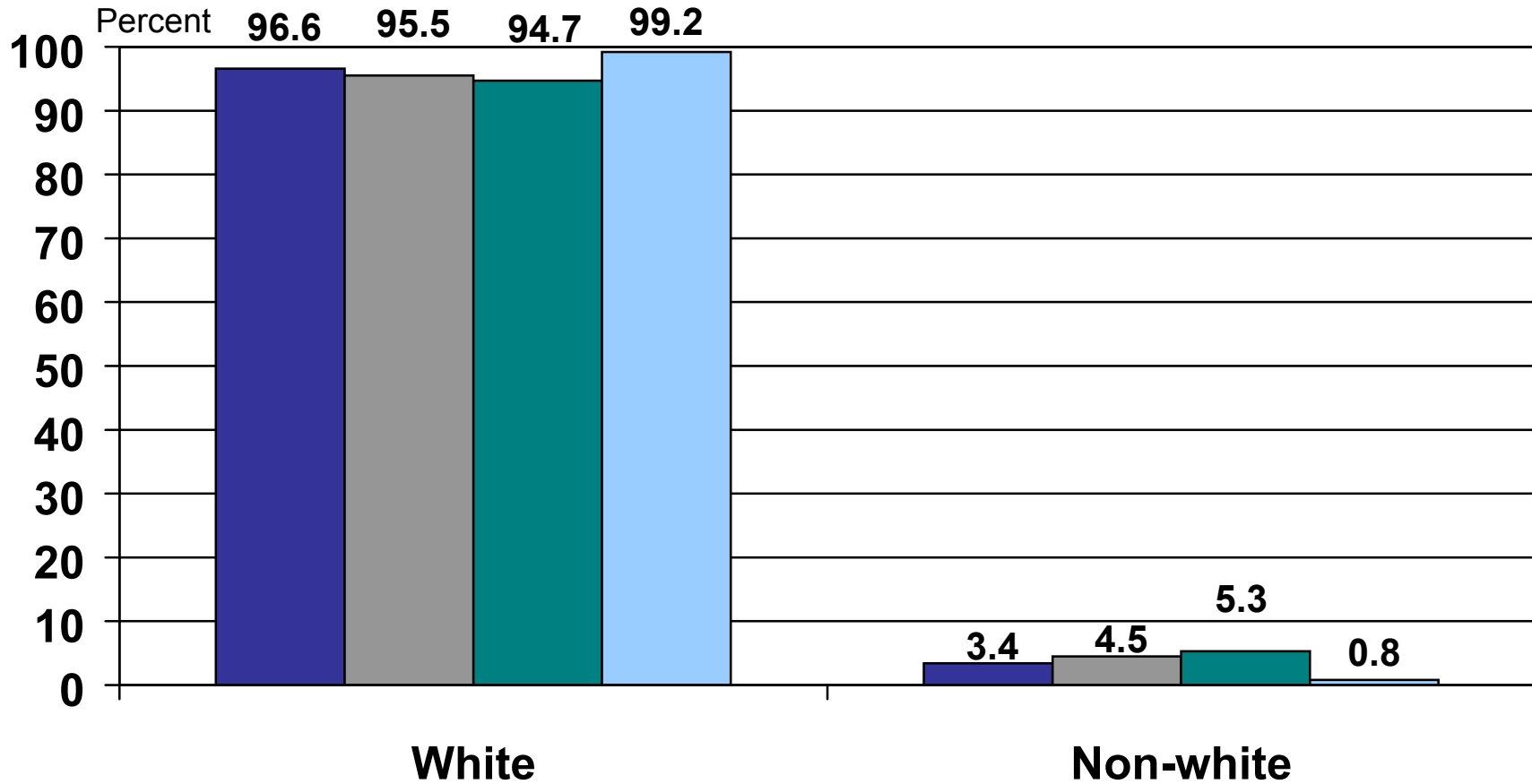
■ ATV only (n=88)

■ 4wd only (n=89)

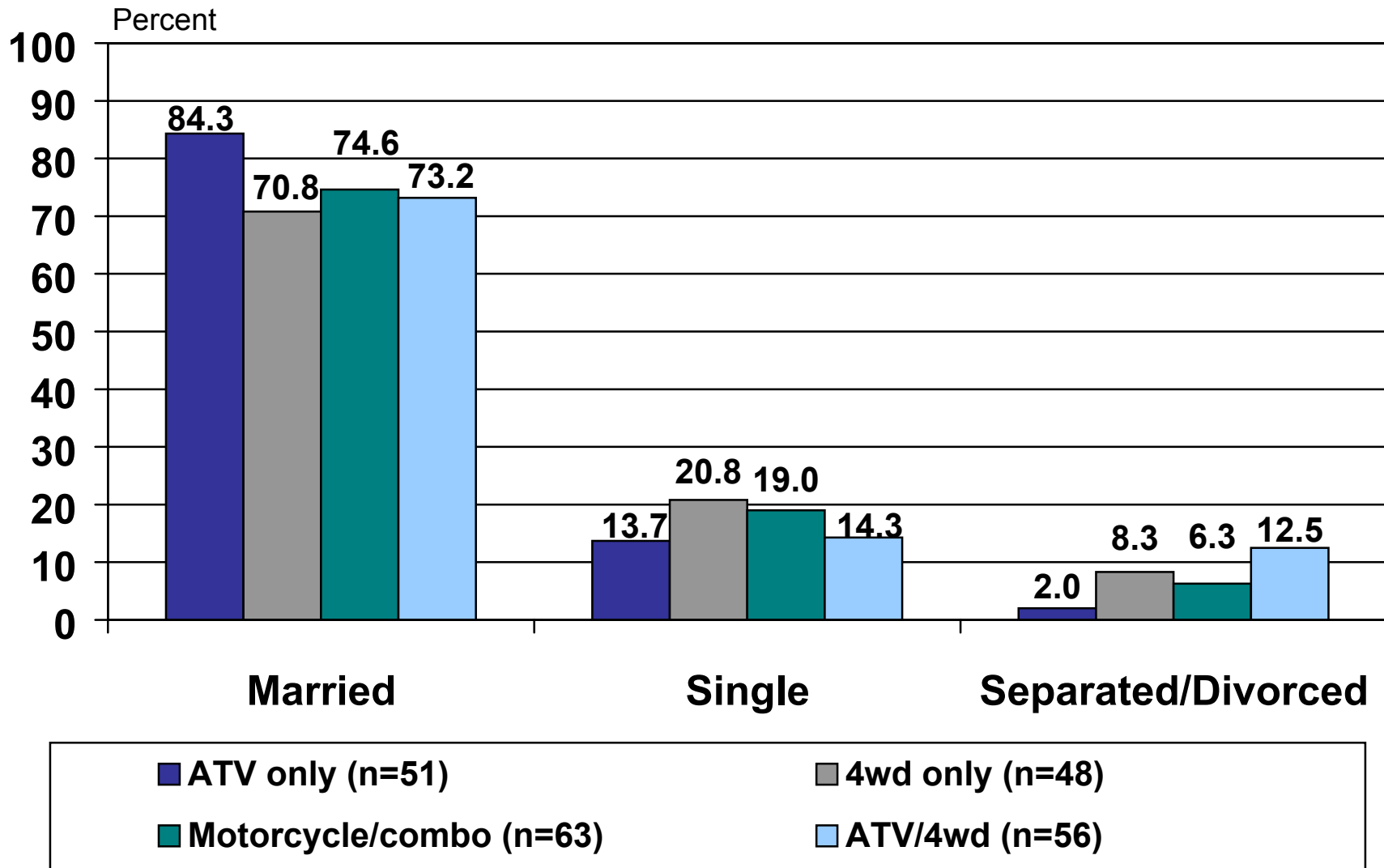
■ Motorcycle/combo (n=95)

■ ATV/4wd (n=119)

# Graph A3.3 - Ethnic Origin

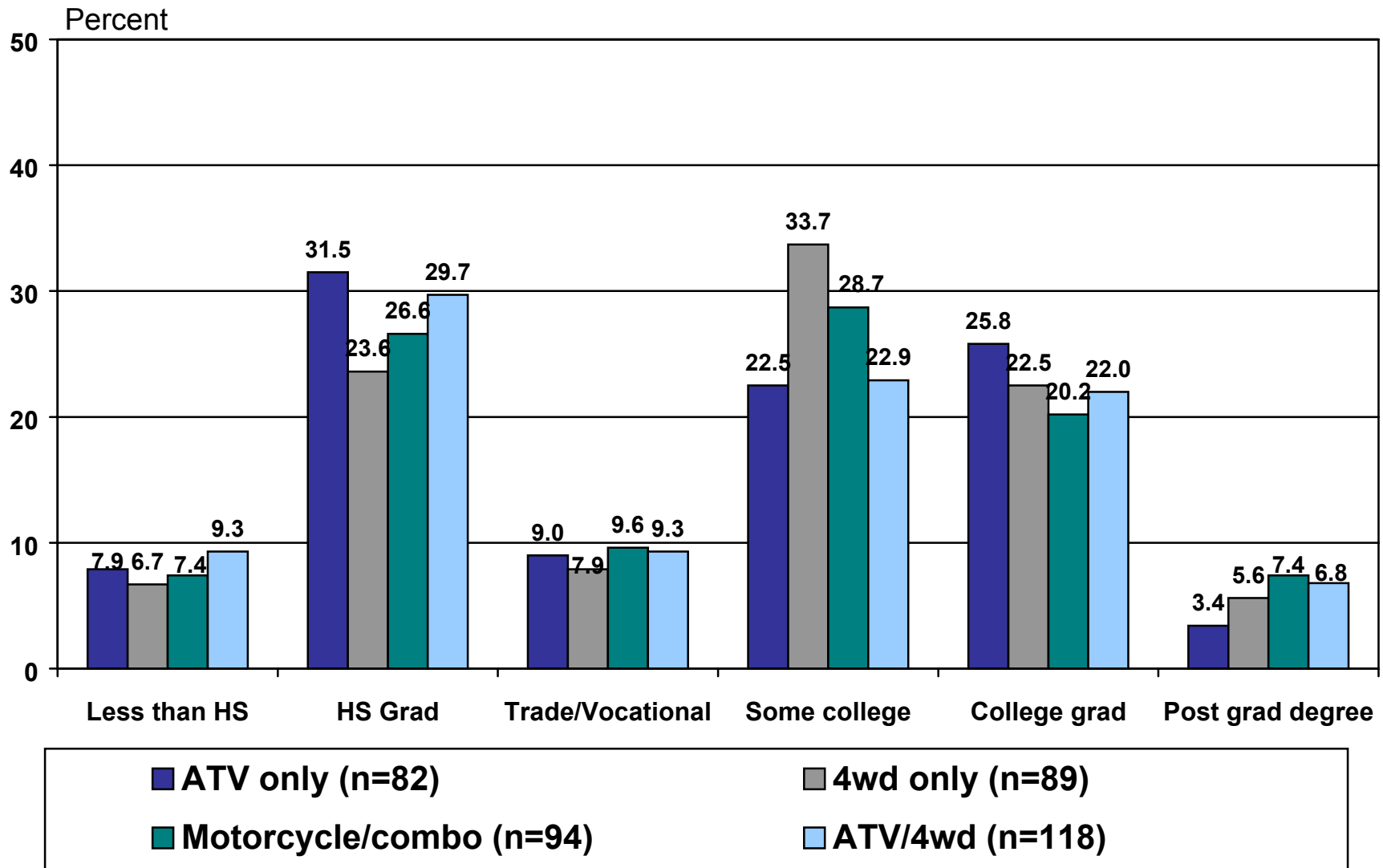


# Graph A3.4 - Marital Status

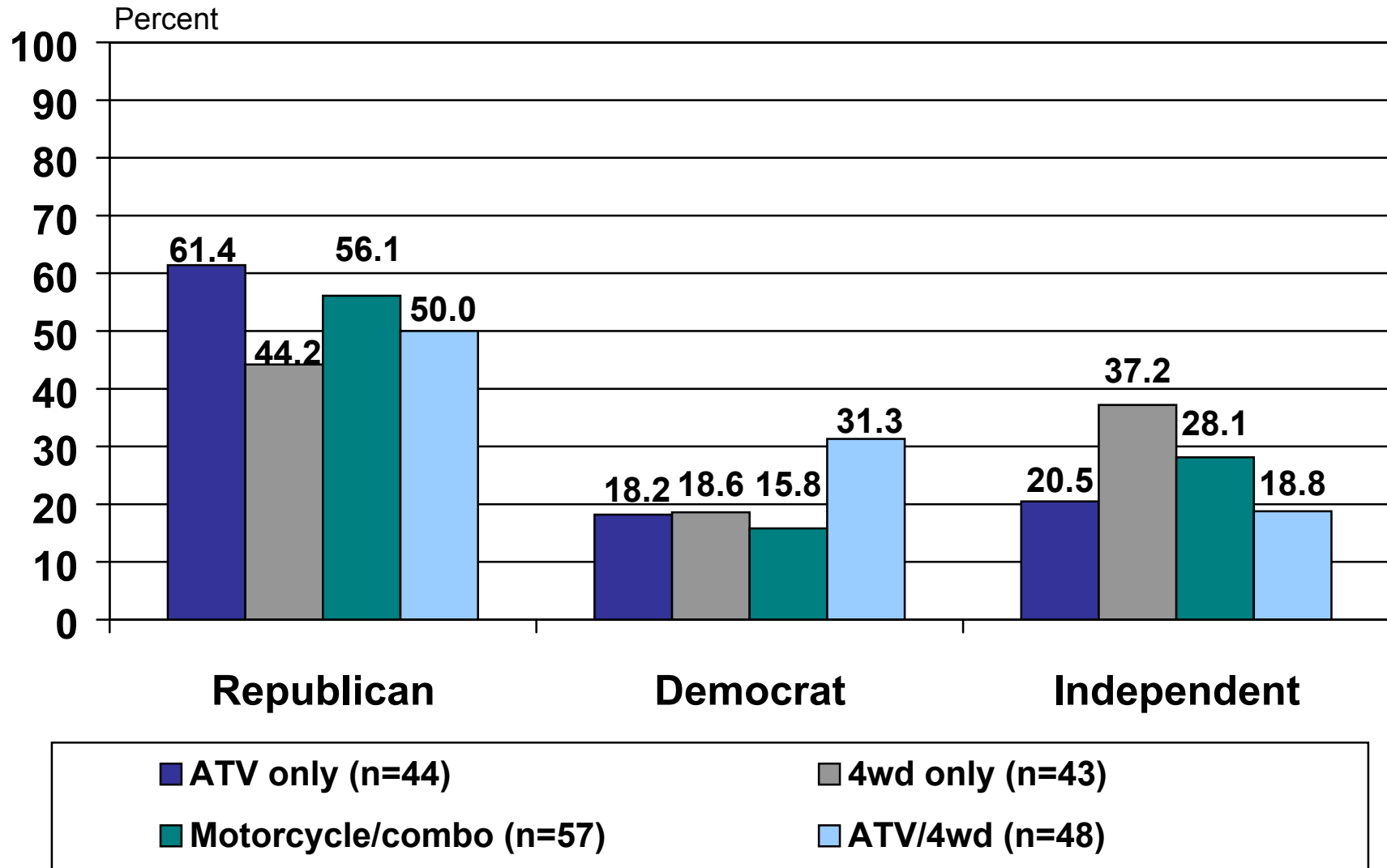




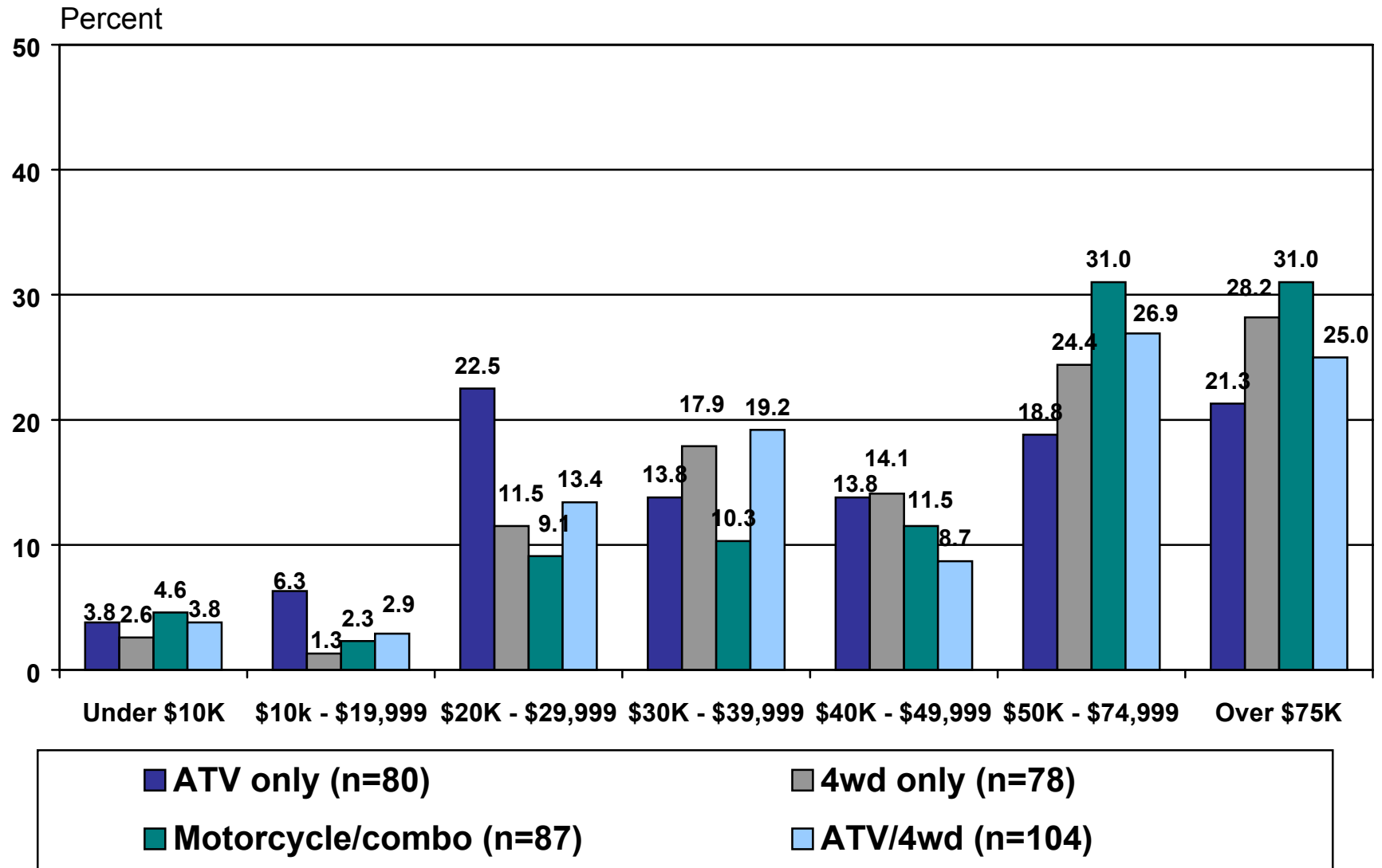
# Graph A3.5 - Education



# Graph A3.6 - Political Preference



# Graph A3.7 - Income



**Table A3.8 Current Occupation (Q60)**

Percent	ATV only (n=49)	4wd only (n=47)	Motorcycle/Combo (n=64)	ATV/4WD (n=52)
Manager or executive	22.4%	19.1%	12.5%	11.5%
Professional worker	12.2	21.3	28.1	23.1
Owner of business or farm	10.2	8.5	12.5	9.6
Skilled trade or craft	16.3	19.1	20.3	23.1
Semi-skilled worker, laborer	4.1	8.5	7.8	7.7
Clerical or office worker	0.0	0.0	1.6	7.7
Sales worker	8.2	2.1	3.1	1.9
Service worker	2.0	6.4	4.7	1.9
Permanently disabled	2.0	0.0	0.0	5.8
Unemployed	0.0	2.1	1.6	1.9
Retired	14.3	8.5	4.7	1.9
Student	4.1	4.3	1.6	3.8

**Table A3.9 Organizations to which OHV users belong (Q57)**

Percent	ATV only (n=51)	4wd only (n=49)	Motorcycle/Combo (n=64)	ATV/4WD (n=56)
Conservation protection groups	0.0%	0.0%	1.6%	3.6%
Wildlife conservation groups	21.6 <sup>a</sup>	10.4	6.2	28.6 <sup>a</sup>
Fish conservation groups	5.9	6.1	3.1	7.0
Rod and gun clubs	10.0	16.3	12.3	21.4
Motorcycle clubs	8.0	2.0	53.8 <sup>a</sup>	1.8
Dune-buggy clubs	0.0	0.0	0.0	0.0
Jeep & 4WD owners' assoc.	0.0	18.4 <sup>a</sup>	3.1	7.0
ATV clubs	11.8 <sup>a</sup>	0.0	15.4 <sup>a</sup>	1.8

<sup>a</sup> Significant at  $p < .05$

## A.4 Experience and Skill Level of OHV Users

**Table A4.1 - Length of Time Since First OHV Ride (Q16)**

	<b>ATV only</b> (n=50)	<b>4wd only</b> (n=46)	<b>Motorcycle/Combo</b> (n=64)	<b>ATV/4WD</b> (n=54)
First year	1967	1956	1965	1960
Avg # years	14.1 <sup>ab</sup>	19.4 <sup>a</sup>	22.5 <sup>b</sup>	19.1
Range	1 - 38 years	1 - 45 years	1 - 50 years	1 - 49 years

<sup>ab</sup> Significant difference (p < .05)

**Table A4.2 - Length of Time Since First OHV Purchase (Q17)**

	<b>ATV only</b> (n=50)	<b>4wd only</b> (n=46)	<b>Motorcycle/Combo</b> (n=64)	<b>ATV/4WD</b> (n=54)
First year	1972	1961	1964	1960
Avg # years	11.7 <sup>ab</sup>	15.3	20.3 <sup>b</sup>	17.1 <sup>a</sup>
Range	1 - 38 years	1 - 40 years	1 - 37 years	1 - 49 years
% never purchased one	0.0%	2.4%	6.3%	15.1%

<sup>ab</sup> Significant difference (p < .05)

**Table A4.3 - Self-Perceived Skill Level of OHV Users (Q19)**

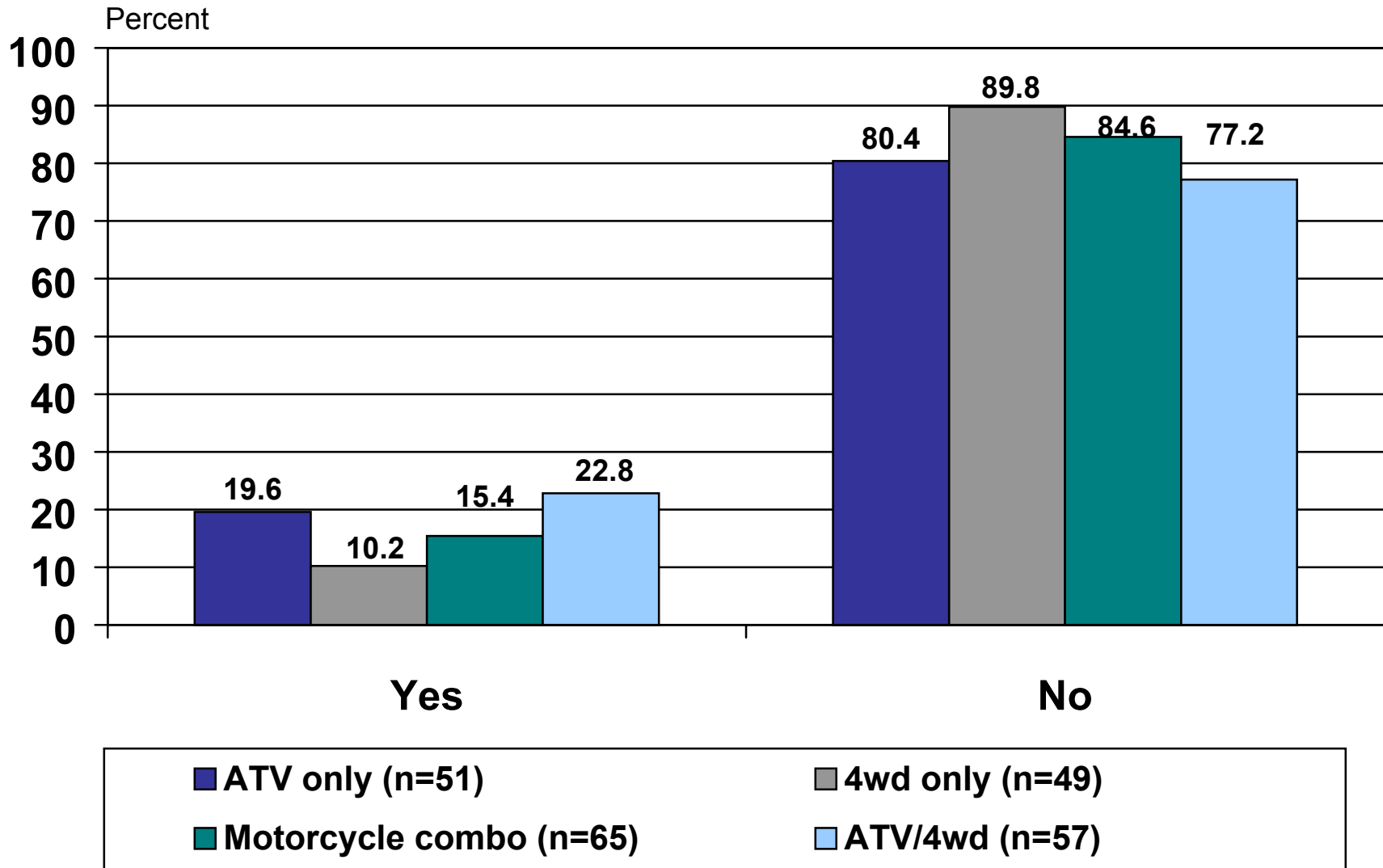
	<b>ATV only</b> (n=51)	<b>4wd only</b> (n=49)	<b>Motorcycle/Combo</b> (n=65)	<b>ATV/4WD</b> (n=56)
Mean skill level	3.49	3.66	3.69	3.79

Scale:      1 = Novice                      3 = Intermediate                      5 = Advanced

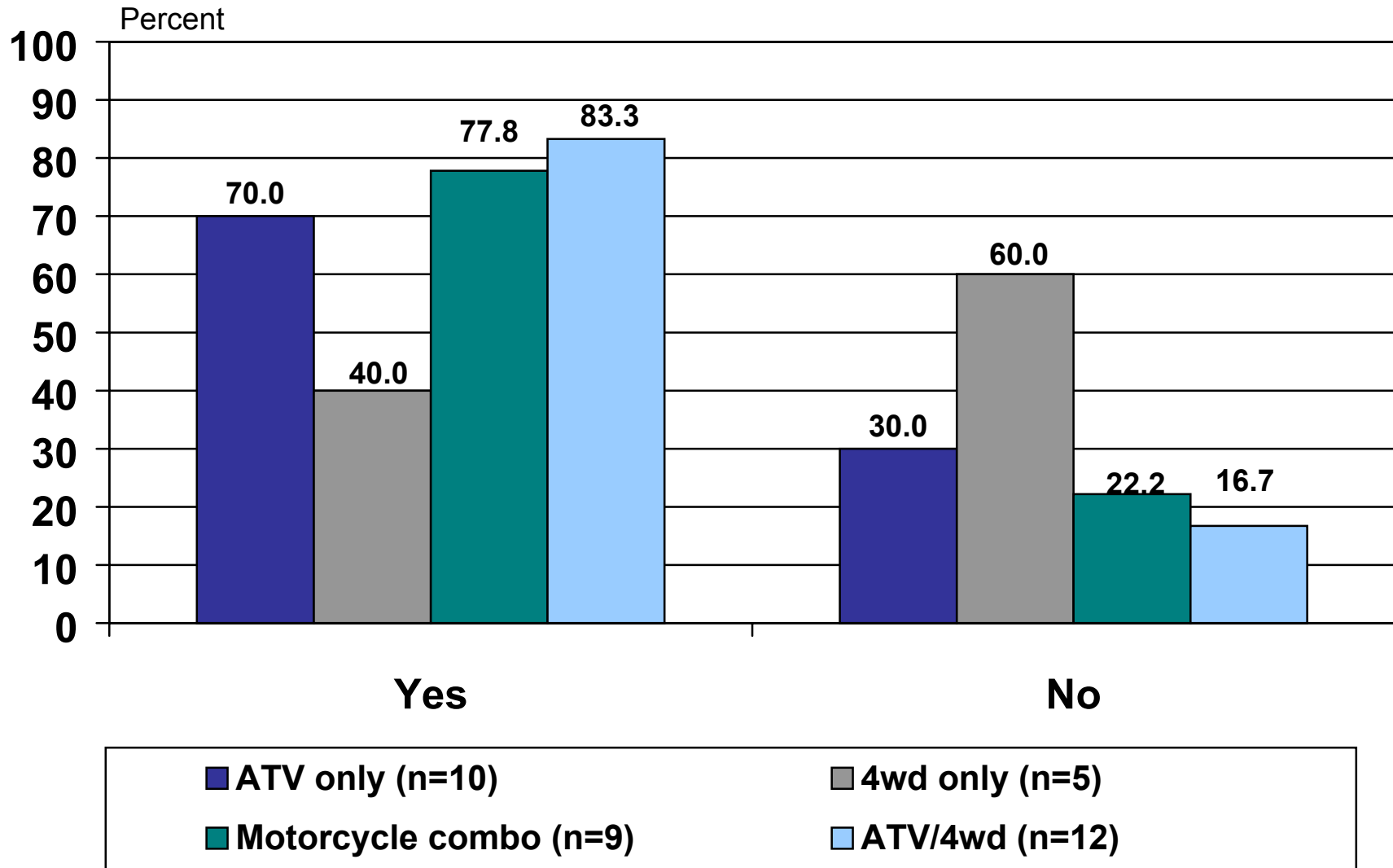
## A.5 Safety Education and Incidence of Injuries Among OHV Users



# Graph A5.1 - Completed Safety Education Program (Q20)



# Graph A5.2 - Completed Safety Education Program in TN (Q20a)



**Table A5.3 - Other States Where Completed Safety Education Program (Q20c)**

---

<b>ATV only</b>	<b>4WD only</b>	<b>Motorcycle/Combo</b>	<b>ATV/4WD</b>
Kentucky Mississippi Ohio	California	Missouri	Texas Wyoming

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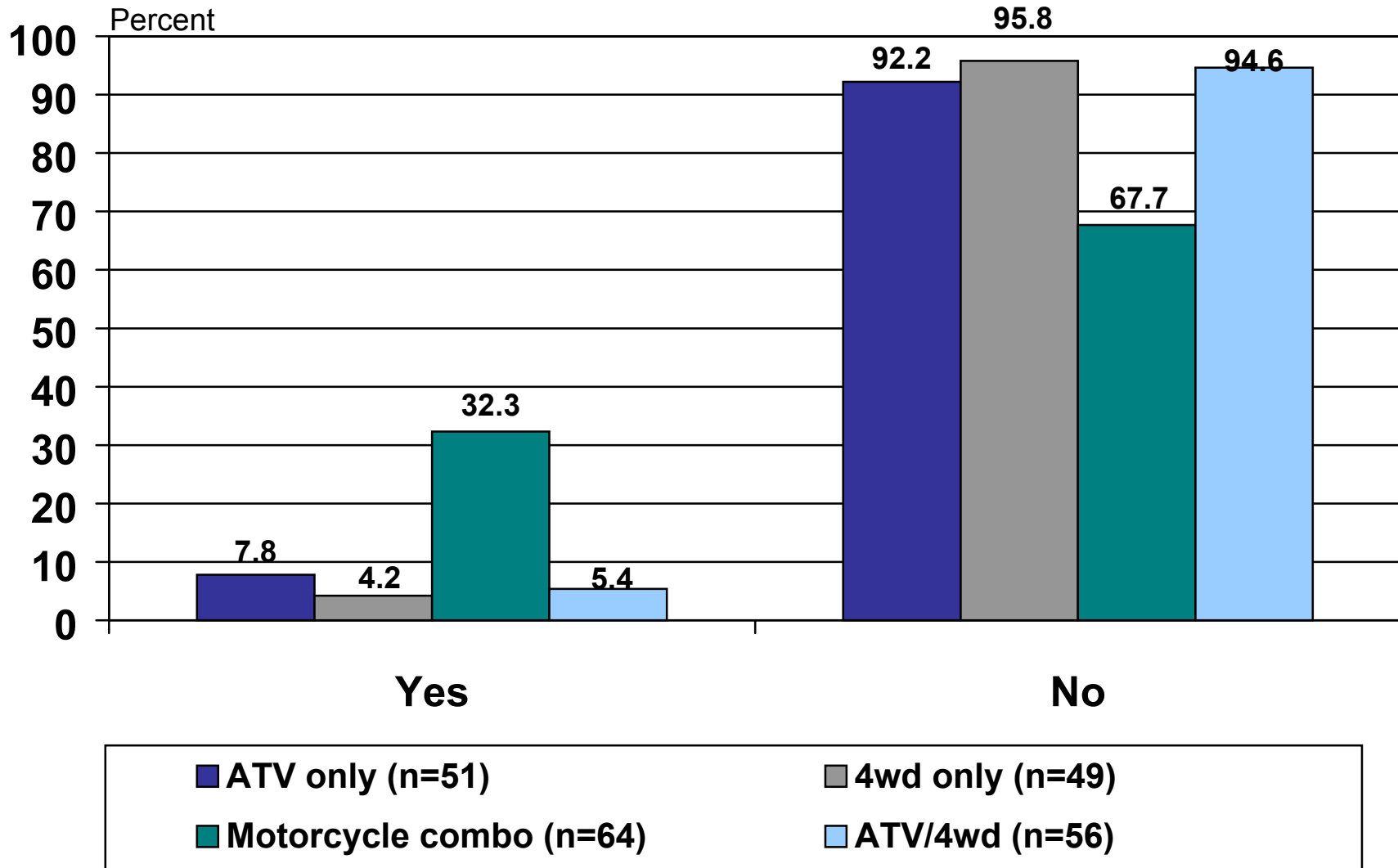
**Table A5.4 - Organization Conducting Safety Education Outside TN (Q20d)**

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<b>ATV only</b>	<b>4WD only</b>	<b>Motorcycle/Combo</b>	<b>ATV/4WD</b>
Honda (5) Dealer (5) TN Gas Pipeline Co. (1)	ARMY (1) US Marine Corps (1)	Honda (3) ARMY (1)	Honda (2) TWRA (2) Dealer (1) Local High School (1) TDOT (1) US Dept.of Energy (1)

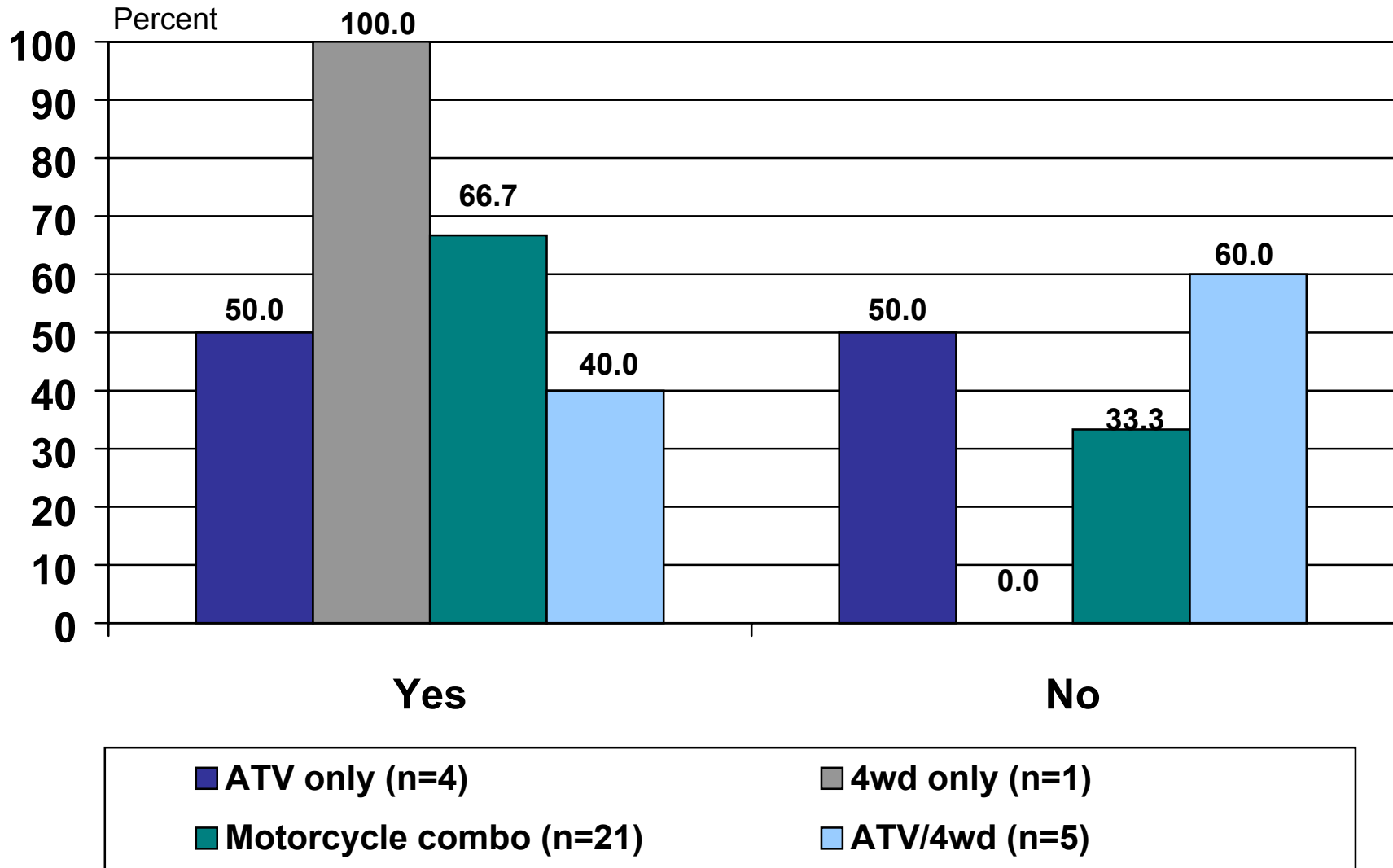
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# Graph A5.5 - OHV Related Injury in Past 12 Months (Q25)

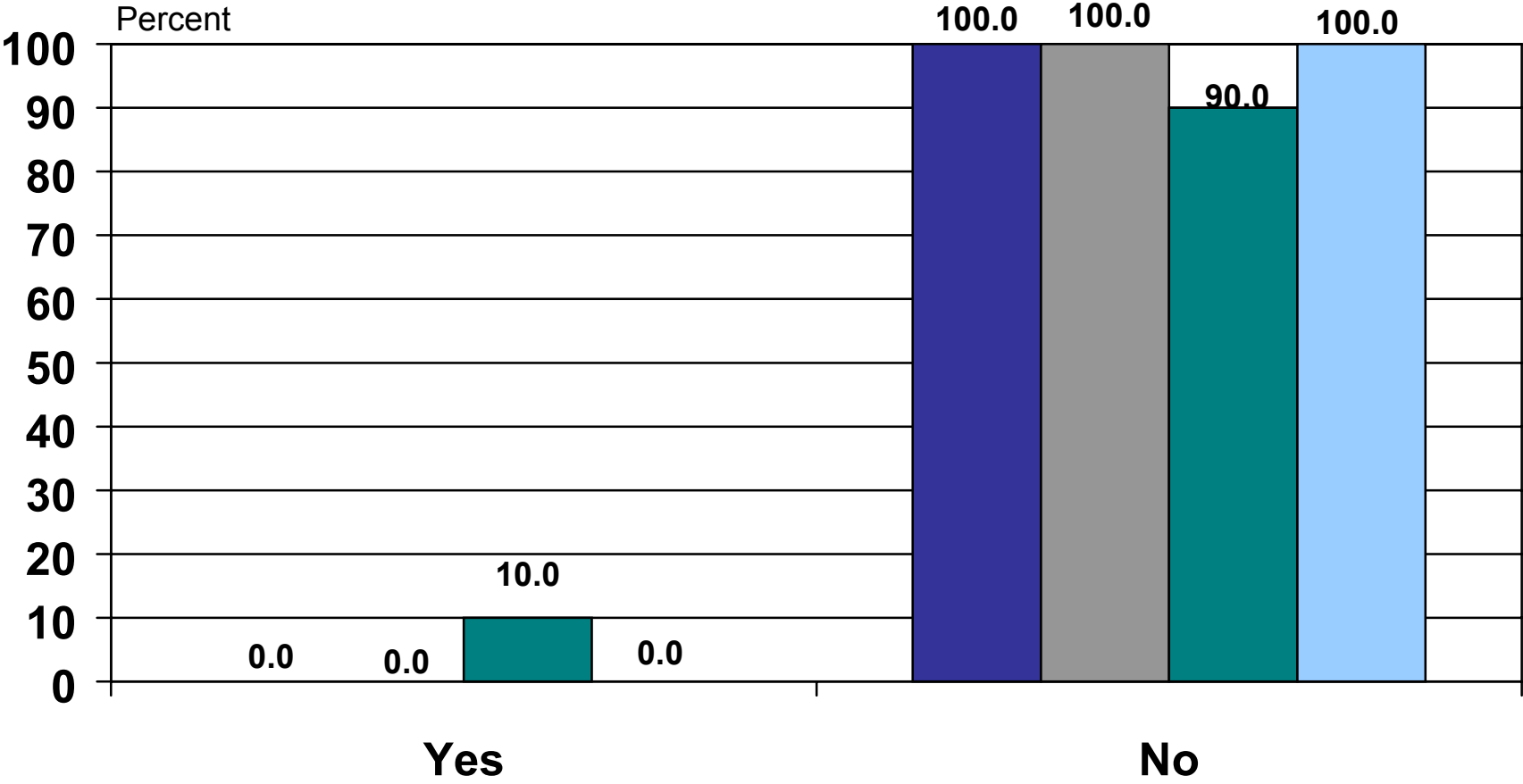


p < .010

# Graph A5.6 - Require Medical Attention from Doctor (Q25a)



# Graph A5.7 - Require Emergency Evacuation (Q25b)



■ ATV only (n=4)	■ 4wd only (n=1)
■ Motorcycle combo (n=21)	■ ATV/4wd (n=5)

# Table A5.8 Types of Injuries

## RDD/Sportsmen

- Bumps
- Bruises
- Minor cuts
- Broken ankle
- Broken shoulder

## Event

- Broken leg
- Broken toe
- Broken arm
- Broken collarbone
- Broken foot
- Cuts
- Bruises
- Scrapes

## A.6 Motivations / Reasons for OHV Driving



## Table A6.1 - Reasons For OHV Riding

**Q24** Below is a list of possible reasons for OHV riding. Please tell us how important each one is to you when you go OHV riding.

(Scale: 1 = Not at all important; 2 = Slightly important; 3 = Somewhat important; 4 = Moderately important; 5 = Extremely important)

Mean Score	ATV only (n=49)	4wd only (n=47)	Motorcycle/ Combo (n=64)	ATV/4wd (n=56)
Get away from crowds of people.	3.05 <sup>a</sup>	3.83 <sup>a</sup>	3.44	3.55
Enjoy natural scenery.	4.22	4.34	4.40	4.43
Be with other people who enjoy the same thing as I do.	3.41	3.17 <sup>a</sup>	3.91 <sup>a</sup>	3.60
Do something challenging.	2.50 <sup>a</sup>	3.12 <sup>b</sup>	4.03 <sup>abc</sup>	2.96 <sup>c</sup>
To be alone.	2.45	2.63	2.32	2.52
Explore places where I have not been.	3.31 <sup>a</sup>	3.61	3.94 <sup>a</sup>	3.42
Keep physically fit.	2.50 <sup>a</sup>	2.41 <sup>b</sup>	3.63 <sup>abc</sup>	2.32 <sup>c</sup>
Meet other people in that area.	1.73 <sup>a</sup>	2.11 <sup>b</sup>	2.74 <sup>abc</sup>	1.87 <sup>c</sup>
Maintain a desired image of myself.	1.41 <sup>a</sup>	1.67 <sup>b</sup>	2.34 <sup>abc</sup>	1.61 <sup>c</sup>
Do things my own way.	2.20	2.33	2.50	2.24
Experience excitement.	3.26 <sup>a</sup>	3.37	3.91 <sup>ab</sup>	3.09 <sup>b</sup>
Rest mentally.	3.39	3.53	3.75	3.41
Test my vehicle's performance.	1.99 <sup>ab</sup>	3.03 <sup>a</sup>	3.00 <sup>b</sup>	2.54
Get away from the demands of life.	3.22 <sup>a</sup>	3.42	3.91 <sup>a</sup>	3.34
Talk to new and varied people.	1.79 <sup>a</sup>	2.22	2.73 <sup>ab</sup>	1.90 <sup>b</sup>
Help me know who I am.	1.53 <sup>a</sup>	1.70	2.11 <sup>ab</sup>	1.57 <sup>b</sup>
Learn more about nature.	3.00	3.15	3.09	3.25
Develop my skills and abilities.	2.67 <sup>a</sup>	3.06 <sup>b</sup>	3.87 <sup>abc</sup>	2.56 <sup>c</sup>
Experience a sense of personal freedom.	3.23 <sup>a</sup>	3.32 <sup>b</sup>	4.00 <sup>abc</sup>	3.18 <sup>c</sup>
Help me escape from everyday stresses.	3.49 <sup>a</sup>	3.54	4.07 <sup>ab</sup>	3.48 <sup>b</sup>
Test my driving skills.	2.19 <sup>a</sup>	2.83 <sup>b</sup>	3.49 <sup>abc</sup>	2.41 <sup>c</sup>
Be with my friends.	3.57	3.52	3.87 <sup>a</sup>	3.18 <sup>a</sup>
Share what I have learned with others.	2.47 <sup>a</sup>	2.71	3.15 <sup>ab</sup>	2.39 <sup>b</sup>
Reduce depression or anxiety.	2.50 <sup>a</sup>	2.96	3.23 <sup>a</sup>	2.73
Feel more self confident.	2.23 <sup>a</sup>	2.49	2.97 <sup>a</sup>	2.37
Feel free.	3.10 <sup>a</sup>	3.35	3.79 <sup>a</sup>	3.28

<sup>abc</sup> Significant difference (p < .05)

## A.7 Environmental Awareness Among OHV Users

**Table A7.1 - Environmental Awareness**

**Q38 We would like to get your opinion on a wide range of environmental issues. For each of the following statements, please indicate the extent to which you agree or disagree.**

(Scale: 1 = Strongly agree; 2 = Somewhat agree; 3 = Unsure; 4 = Somewhat disagree; 5 = Strongly disagree)

Mean Score	ATV only (n=45)	4wd only (n=48)	Motorcycle/ Combo (n=62)	ATV/4wd (n=52)
We are approaching the limit of the number of people the earth can support.	3.18	2.64	3.10	3.09
Humans have the right to modify the natural environment to suit their needs.	3.51	3.39	3.11	3.49
When humans interfere with nature it often produces disastrous consequences.	2.86	2.63	2.82	2.64
Human ingenuity will insure that we do not make the earth unlivable.	3.03	3.00	2.83	3.16
Humans are severely abusing the environment.	2.53	2.41	2.75	2.49
The earth has plenty of natural resources if we just learn how to develop them.	2.37	2.60	2.32	2.63
Plants and animals have as much right as humans to exist. 2.39	2.25	2.21	2.38	
The balance of nature is strong enough to cope with the impacts of modern industrial nations.	3.48	3.72	3.22	3.76
Despite our special abilities humans are still subject to the laws of nature.	1.91	1.65	1.82	1.71
The so-called "ecological crisis" facing humankind has been greatly exaggerated.	2.95	3.00	2.64	3.04
The earth is like a spaceship with very limited room and resources.	3.01	2.60	2.86	2.93

<sup>a</sup> Significant difference ( $p < .05$ )

**Table A7.1 (cont.) - Environmental Awareness**

**Q38 We would like to get your opinion on a wide range of environmental issues. For each of the following statements, please indicate the extent to which you agree or disagree.**

(Scale: 1 = Strongly agree; 2 = Somewhat agree; 3 = Unsure; 4 = Somewhat disagree; 5 = Strongly disagree)

	<b>ATV only</b> (n=45)	<b>4wd only</b> (n=48)	<b>Motorcycle/ Combo</b> (n=62)	<b>ATV/4wd</b> (n=52)
Mean Score				
Humans were meant to rule over the rest of nature.	3.00	2.67	3.12	3.03
The balance of nature is very delicate and easily upset.	2.41	1.95 <sup>a</sup>	2.79 <sup>a</sup>	2.31
Humans will eventually learn enough about how nature works to be able to control it.	3.43	3.48	3.51	3.63
If things continue on their present course, we will soon experience a major ecological catastrophe.	3.33	2.78	3.25	2.88

<sup>a</sup> Significant difference (p < .05)

## **B. Types of OHV Use and Trip Characteristics**

### **B.1 Places Used and Why**

**Table B1.1 - Places Ridden in Tennessee for Recreation  
by ATV only**

<b>Place</b>	<b>n</b>	<b>%</b>
Private land	51	40.8
Royal Blue	5	4.0
Windrock Mountain	4	3.2
Don't know	4	3.2
Big South Fork	3	2.4
Cedars of Lebanon	3	2.4
LBL	3	2.4
Loretta Lynn's Ranch	3	2.4
Natchez Trace	3	2.4
Cedar Grove	2	1.6
Chestnut Ridge	2	1.6
Chickasaw	2	1.6
Clarksville	2	1.6
Granny's Branch	2	1.6
Henry County	2	1.6
Lake bottom	2	1.6
Pocket Wilderness	2	1.6
Spring Creek Road	2	1.6
Westpoint	2	1.6
Westvaco	2	1.6
Big Sandy	1	0.8
Brimstone	1	0.8
Brookdale	1	0.8
Buffalo Mountain	1	0.8
Cherokee National Forest	1	0.8
Chitwood Mountain	1	0.8
Cypress area	1	0.8
Harmon's Creek	1	0.8
Hatchie Bottoms	1	0.8
Highway 8	1	0.8
Horse Creek	1	0.8
Key Springs	1	0.8
LBL/Turkey Bay	1	0.8
Leased land	1	0.8
Lexie Crossroads	1	0.8
Palmersville	1	0.8
Paris Landing	1	0.8
Parkers Crossroads	1	0.8
Poplar Drive	1	0.8
Power lines	1	0.8
Stewart State Forest	1	0.8
Subdivision	1	0.8
Tacket Creek area	1	0.8
TVA land	1	0.8
Total	125	100.0

**Table B1.2 - Places Ridden in Tennessee for Recreation  
by Four Wheel Drive only**

<b>Place</b>	<b>n</b>	<b>%</b>	<b>Place</b>	<b>n</b>	<b>%</b>
Private land	20	15.3	Clarks Creek	1	0.8
Don't know	8	6.1	Crawford	1	0.8
Holston Mountain	5	3.8	Devil Snows	1	0.8
Monteagle	5	3.8	Dry Creek	1	0.8
Royal Blue	5	3.8	Duck Hunting Road	1	0.8
Tellico	5	3.8	Duck River	1	0.8
TVA Land	5	3.8	Fall Creek Falls	1	0.8
Big South Fork	3	2.3	Fort Campbell	1	0.8
Cherokee National Forest	3	2.3	Game reserves	1	0.8
Douglas Lake	3	2.3	Hiwassee	1	0.8
Great Smoky Mountains	3	2.3	Iron Mountain	1	0.8
Viking Mountain	3	2.3	Kentucky Lake	1	0.8
Windrock Mountain	3	2.3	LBL	1	0.8
Catoosa	2	1.5	Logging trails	1	0.8
Dekalb County	2	1.5	Martins Creek	1	0.8
English Mountain	2	1.5	Millstone Mountain	1	0.8
Harrison Ferry Mountain	2	1.5	Mississippi River	1	0.8
Prentice Cooper	2	1.5	Morgan County	1	0.8
Reliance	2	1.5	Mount Julious	1	0.8
Round Knob	2	1.5	Muddy Pond	1	0.8
Bell Buckle	1	0.8	Natchez Trace	1	0.8
Bethpage	1	0.8	Oak Ridge	1	0.8
Camp Tom Howard	1	0.8	Public landCampbell County	1 1	0.8 0.8
Cane Hollow	1	0.8	Reelfoot Lake	1	0.8
Chattanooga	1	0.8	Roane County	1	0.8
Cherokee Lake area	1	0.8	Rogersville	1	0.8
Cherokee state line	1	0.8	Sandy Ridge	1	0.8
Chickasaw	1	0.8	Sharps Chapel	1	0.8
Chilhowee	1	0.8	Spencer	1	0.8
Chilhowee Dam area	1	0.8	Tennessee National Forest	1	0.8
Chuck Swan	1	0.8	Unicoi WMA	1	0.8
Citico Creek	1	0.8	Unionville	1	0.8
			Walden Ridge	1	0.8
			<b>Total</b>	<b>131</b>	<b>100.0</b>

**Table B1.3 - Places Ridden in Tennessee for Recreation  
by Motorcycle/Combo**

<b>Place</b>	<b>n</b>	<b>%</b>	<b>Place</b>	<b>n</b>	<b>%</b>
Private land	49	27.8	Dale Hollow Lake	1	0.6
Loretta Lynn's Ranch	25	14.2	Dirt roads	1	0.6
Royal Blue	8	4.6	Douglas Lake	1	0.6
Westpoint	8	4.6	Eagle Creek	1	0.6
LBL	6	3.4	Hampshire Churt Pit	1	0.6
Cedars of Lebanon	5	2.8	Hickory Flat	1	0.6
Windrock Mountain	5	2.8	Jacks Creek	1	0.6
Cedar Grove	4	2.3	Jamestown	1	0.6
Coal Creek Mining Co. Land	4	2.3	Lake bottom	1	0.6
LBL/Turkey Bay	4	2.3	Livingston	1	0.6
Natchez Trace	4	2.3	Loosahatchie River bottoms	1	0.6
Trenton	4	2.3	Memphis area	1	0.6
Tellico	3	1.7	Mills Field	1	0.6
Trials Training Center	3	1.7	Monteagle	1	0.6
Buffalo Mountain	2	1.1	North Carolina ORV	1	0.6
Chickasaw	2	1.1	Off Pearman Rd.	1	0.6
Don't know	2	1.1	Owl Hollow	1	0.6
Adamsville	1	0.6	Percy Priest	1	0.6
Alpine Mountain	1	0.6	Pocket Wilderness	1	0.6
Big Rock	1	0.6	Prentice Cooper	1	0.6
Bluff Mountain	1	0.6	Saulsbury	1	0.6
Brimstone	1	0.6	Smith Mountain	1	0.6
Carter Mountain	1	0.6	State line	1	0.6
Catoosa	1	0.6	Sugar Creek	1	0.6
Champion	1	0.6	The Bottoms	1	0.6
Cherokee Lake area	1	0.6	Unicoi Mountain	1	0.6
Covington	1	0.6	Watts Bar Lake	1	0.6
Crab Orchard	1	0.6			
			<b>Total</b>	<b>176</b>	<b>100.0</b>



**Table B1.4 - Places Ridden in Tennessee for Recreation  
by ATV/Four Wheel Drive**

<b>Place</b>	<b>n</b>	<b>%</b>	<b>Place</b>	<b>n</b>	<b>%</b>
Private land	65	37.8	Hallstop Mountain	1	0.6
Royal Blue	9	5.2	Hatcher Mountain	1	0.6
Big South Fork	6	3.5	Helen	1	0.6
Bowater	4	2.3	Holston Mountain	1	0.6
Catoosa	4	2.3	International Paper	1	0.6
LBL	4	2.3	Jellico Mountain	1	0.6
Windrock Mountain	4	2.3	Leased land	1	0.6
Don't know	3	1.7	Lizzie Sharp Rd.	1	0.6
Horse Creek	3	1.7	Monteagle	1	0.6
TVA Land	3	1.7	Moscow	1	0.6
Black House Mountain	2	1.2	Mt. Roosevelt	1	0.6
Chuck Swan	2	1.2	Natchez Trace	1	0.6
Citico Creek	2	1.2	Ocoee	1	0.6
English Mountain	2	1.2	Pocohontas	1	0.6
LBL/Turkey Bay	2	1.2	Public land	1	0.6
New River	2	1.2	Rankin	1	0.6
Rockwood Mountain	2	1.2	Rickman	1	0.6
Tacket Creek area	2	1.2	Service 10, Townsend	1	0.6
Tellico	2	1.2	Skyview	1	0.6
The Sandpit	2	1.2	Smith Mountain	1	0.6
Wears Valley	2	1.2	Snake Hollow	1	0.6
Westvaco	2	1.2	Stanton	1	0.6
Bat Creek	1	0.6	Stewart County	1	0.6
Bear Creek area	1	0.6	Tilson Mountain	1	0.6
Brock Hollow	1	0.6	Tim's Ford Lake	1	0.6
Buffalo Mountain	1	0.6	Upper Cumberland area	1	0.6
Campbell County	1	0.6	Volunteer Ammunition	1	0.6
Carter Mountain	1	0.6	Waverly	1	0.6
Cherry Branch	1	0.6	Wick Hill	1	0.6
Chisolm Lake	1	0.6	Willamette	1	0.6
Cove Mountain	1	0.6	Winfield	1	0.6
Douglas Lake	1	0.6			
Great Smoky Mountains	1	0.6	<b>Total</b>	<b>172</b>	<b>100.0</b>

**Table B1.5 - Counties Where Ride in Tennessee for Recreation  
by ATV only**

<b>County</b>	<b>n</b>	<b>%</b>	<b>County</b>	<b>n</b>	<b>%</b>
Anderson	3	2.1	Humphreys	7	5.3
Benton	5	3.6	Jackson	1	0.7
Bledsoe	2	1.4	Knox	1	0.7
Blount	1	0.3	Lauderdale	3	2.2
Bradley	1	0.7	Lawrence	2	1.6
Campbell	6	4.6	Lewis	2	1.4
Cannon	1	0.3	McNairy	3	2.0
Carroll	10	7.6	Madison	6	4.4
Cheatham	1	0.7	Montgomery	5	3.3
Chester	1	0.7	Morgan	2	1.6
Claiborne	2	1.4	Obion	1	0.7
Cumberland	1	0.7	Perry	1	1.0
Decatur	1	0.7	Polk	1	0.7
DeKalb	1	0.7	Roane	1	0.8
Dickson	3	2.0	Rutherford	1	1.0
Fayette	4	3.0	Scott	7	5.2
Fentress	1	0.7	Stewart	3	2.1
Franklin	8	5.7	Sumner	1	0.3
Gibson	1	0.3	Tipton	1	0.8
Greene	1	0.7	Warren	1	1.0
Hamilton	2	1.3	Washington	1	0.7
Hardeman	5	3.7	Weakley	2	1.4
Hardin	1	1.0	White	1	0.7
Hawkins	2	1.4	Williamson	1	0.6
Haywood	2	1.4	Wilson	4	2.9
Henderson	6	4.0	Kentucky	2	1.5
Henry	4	2.7			
Hickman	4	2.9	Total	137	100.0

**Table B1.6 - Counties Where Ride in Tennessee for Recreation  
by Four Wheel Drive only**

<b>County</b>	<b>n</b>	<b>%</b>	<b>County</b>	<b>n</b>	<b>%</b>
Anderson	4	2.9	Lake	1	0.7
Bedford	2	1.3	Lawrence	1	0.5
Bledsoe	1	0.7	Lincoln	1	0.3
Blount	1	0.7	Macon	1	0.7
Bradley	2	1.3	Marion	7	4.8
Campbell	7	4.7	Maury	2	1.3
Cannon	1	0.5	Meigs	1	0.5
Carroll	1	0.7	Monroe	7	5.0
Carter	5	3.4	Montgomery	2	1.6
Cheatham	1	0.3	Morgan	5	3.7
Chester	1	0.3	Overton	2	1.3
Claiborne	1	0.3	Pickett	1	0.3
Cocke	2	1.6	Polk	5	3.8
Cumberland	7	5.1	Putnam	1	0.8
DeKalb	2	1.5	Rhea	2	1.7
Dickson	2	1.6	Roane	1	0.7
Dyer	2	1.3	Rutherford	3	1.9
Fentress	1	0.9	Scott	3	1.9
Franklin	1	0.5	Sequatchie	1	0.3
Gibson	1	0.7	Sevier	6	3.9
Giles	1	0.7	Stewart	1	0.9
Greene	8	5.7	Sullivan	4	2.6
Grundy	1	0.8	Sumner	3	2.0
Hamblen	1	0.7	Unicoi	1	0.5
Hamilton	1	0.8	Union	3	2.0
Hawkins	3	2.0	Van Buren	1	0.7
Henderson	1	0.3	Warren	3	1.8
Hickman	1	0.7	Washington	5	3.4
Jackson	2	1.2	White	2	1.6
Jefferson	5	3.2	Wilson	1	0.8
Johnson	1	0.7	Kentucky	1	0.3
Knox	1	0.9			
			<b>Total</b>	<b>142</b>	<b>100.0</b>

**Table B1.7 - Counties Where Ride in Tennessee for Recreation  
by Motorcycle/Combo**

<b>County</b>	<b>n</b>	<b>%</b>	<b>County</b>	<b>n</b>	<b>%</b>
Anderson	8	3.7	Lewis	2	0.9
Bedford	1	0.5	Loudon	1	0.2
Benton	1	0.2	McMinn	3	1.2
Blount	2	0.7	McNairy	2	1.1
Bradley	1	0.6	Madison	3	1.5
Campbell	5	2.5	Marion	3	1.5
Carroll	4	1.9	Marshall	1	0.2
Carter	1	0.4	Mauzy	2	1.0
Cheatham	2	1.0	Monroe	4	1.9
Chester	3	1.6	Montgomery	2	1.0
Claiborne	2	0.9	Morgan	2	0.9
Clay	1	0.4	Obion	1	0.2
Cocke	1	0.4	Overton	7	3.4
Coffee	1	0.4	Perry	1	0.2
Crockett	2	1.0	Pickett	1	0.4
Cumberland	6	2.8	Polk	2	0.9
Davidson	3	1.4	Putnam	2	1.1
Decatur	1	0.4	Rhea	1	0.4
Dickson	7	3.2	Roane	5	2.4
Dyer	3	1.3	Robertson	2	0.8
Fayette	5	2.2	Rutherford	1	0.5
Fentress	1	0.5	Scott	4	2.0
Franklin	3	1.5	Sequatchie	2	0.9
Gibson	4	1.7	Sevier	1	0.4
Giles	1	0.6	Shelby	5	2.4
Greene	1	0.2	Stewart	4	1.9
Grundy	4	1.9	Sumner	2	1.0
Hamblen	1	0.4	Tipton	4	1.7
Hamilton	2	1.2	Union	1	0.4
Hardeman	3	1.4	Washington	2	1.0
Henderson	3	1.3	Wayne	1	0.4
Hickman	1	0.5	Weakley	1	0.4
Humphreys	22	10.4	White	1	0.4
Jefferson	2	0.9	Williamson	1	0.6
Johnson	1	0.4	Wilson	7	3.2
Knox	2	0.8	Kentucky	8	4.0
Lawrence	13	6.1			
			Total	211	100.0

**Table B1.8 - Counties Where Ride in Tennessee for Recreation  
by ATV/Four Wheel Drive**

<b>County</b>	<b>n</b>	<b>%</b>	<b>County</b>	<b>n</b>	<b>%</b>
Anderson	3	1.7	Loudon	2	1.0
Benton	7	3.6	McNairy	1	0.5
Bledsoe	1	0.5	Macon	1	0.5
Blount	4	1.9	Madison	4	2.1
Bradley	2	0.9	Marion	3	1.5
Campbell	8	4.0	Marshall	1	0.2
Carroll	6	3.2	Maury	2	1.0
Cheatham	1	0.2	Monroe	4	2.3
Chester	2	0.9	Montgomery	5	2.6
Claiborne	3	1.6	Morgan	1	0.4
Clay	1	0.5	Perry	1	0.7
Cocke	5	2.4	Pickett	1	0.7
Coffee	2	1.0	Polk	1	0.5
Cumberland	6	3.3	Putnam	1	0.7
Davidson	1	0.2	Rhea	3	1.7
Dickson	4	2.1	Roane	6	3.0
Dyer	1	0.5	Robertson	1	0.4
Fayette	1	0.5	Rutherford	1	0.2
Fentress	6	3.1	Scott	9	4.7
Franklin	3	1.4	Sequatchie	4	2.1
Gibson	1	0.5	Sevier	7	3.8
Greene	4	2.2	Shelby	1	0.2
Grundy	2	0.8	Smith	1	0.2
Hamilton	3	1.4	Stewart	3	1.7
Hancock	1	0.5	Sullivan	2	1.0
Hardeman	5	2.4	Sumner	2	1.2
Hardin	2	1.0	Tipton	2	0.9
Hawkins	1	0.5	Unicoi	2	0.9
Haywood	1	0.5	Union	2	1.0
Henderson	1	0.5	Warren	1	0.7
Henry	6	3.3	Washington	1	0.7
Hickman	3	1.7	Wayne	4	1.9
Humphreys	5	2.5	Weakley	5	2.5
Jackson	2	1.2	Williamson	1	0.6
Johnson	2	0.9	Kentucky	2	1.0
Lauderdale	3	1.4			
			<b>Total</b>	<b>191</b>	<b>100.0</b>

**Table B1.9 - Number of Different Places Ridden OHV for Recreation, Lifetime (Q18)**

	ATV only		4WD only		Motorcycle/Combo		ATV/4WD	
	n	%	n	%	n	%	n	%
1 - 5	22	44.9	8	16.3	9	13.8	11	19.6
6 - 10	7	14.3	10	20.4	6	9.2	15	26.8
11 - 25	11	22.4	11	22.4	14	21.5	10	17.9
26 - 50	5	10.2	10	20.4	16	24.6	7	12.5
51 - 100	0	0.0	4	8.2	8	12.3	3	5.4
More than 100	4	8.2	6	12.2	12	18.5	10	17.9

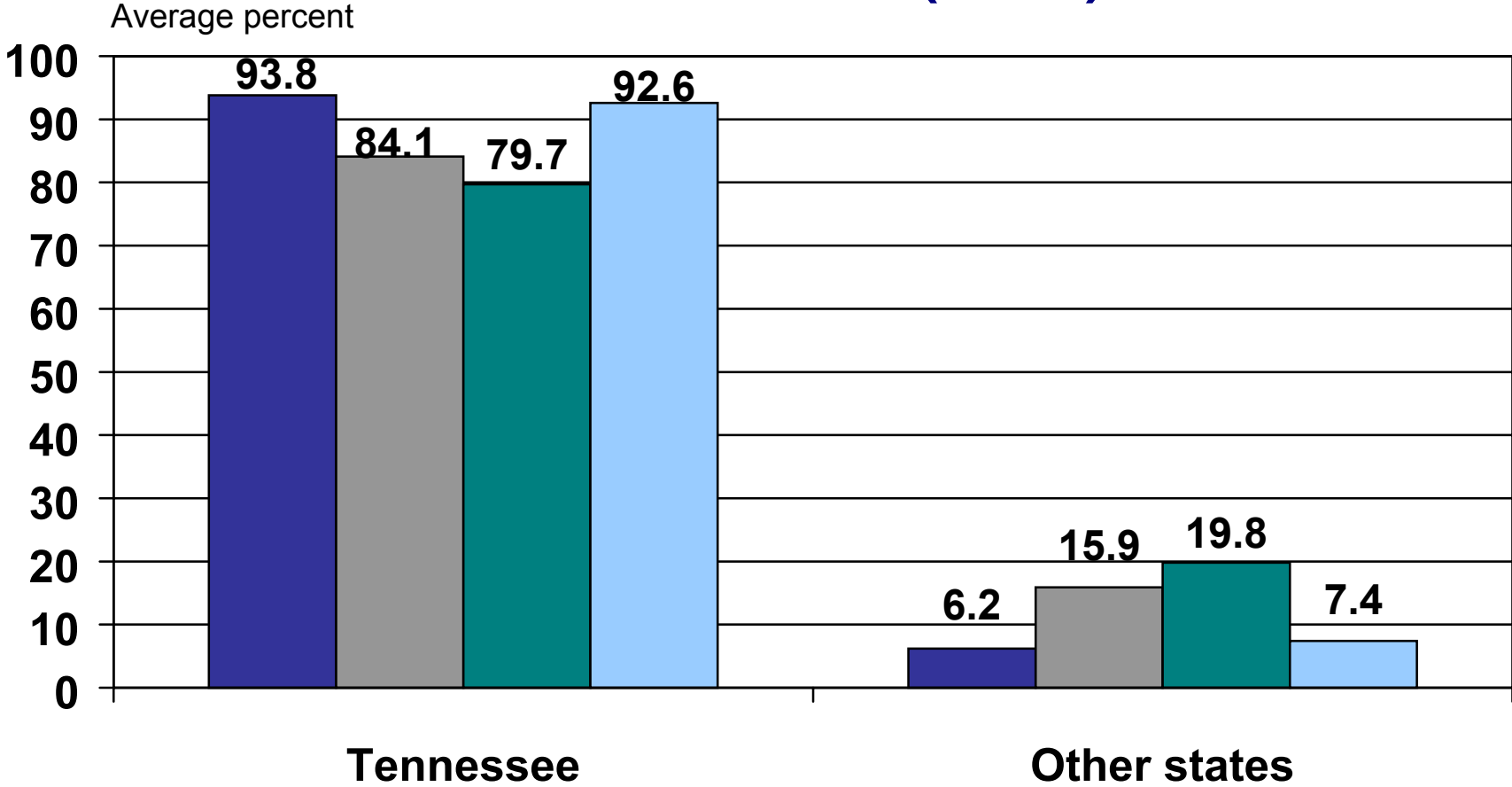
\*Significant difference ( $p < .05$ )

**Table B1.10 - Reasons Why Use Recreation Area Most Often (Q7)**

	ATV only		4WD only		Motorcycle/Combo		ATV/4WD	
	n	%	n	%	n	%	n	%
Easy to get to	20	62.5	22	64.7	30	55.6	18	59.4
Favorite place to ride	17	53.1	14	41.2	24	43.6	13	40.6
No other place to ride	13	40.6	8	23.5	19	34.5	8	25.0
Can afford to go there	12	37.5	11	32.4	19	35.2	9	29.0

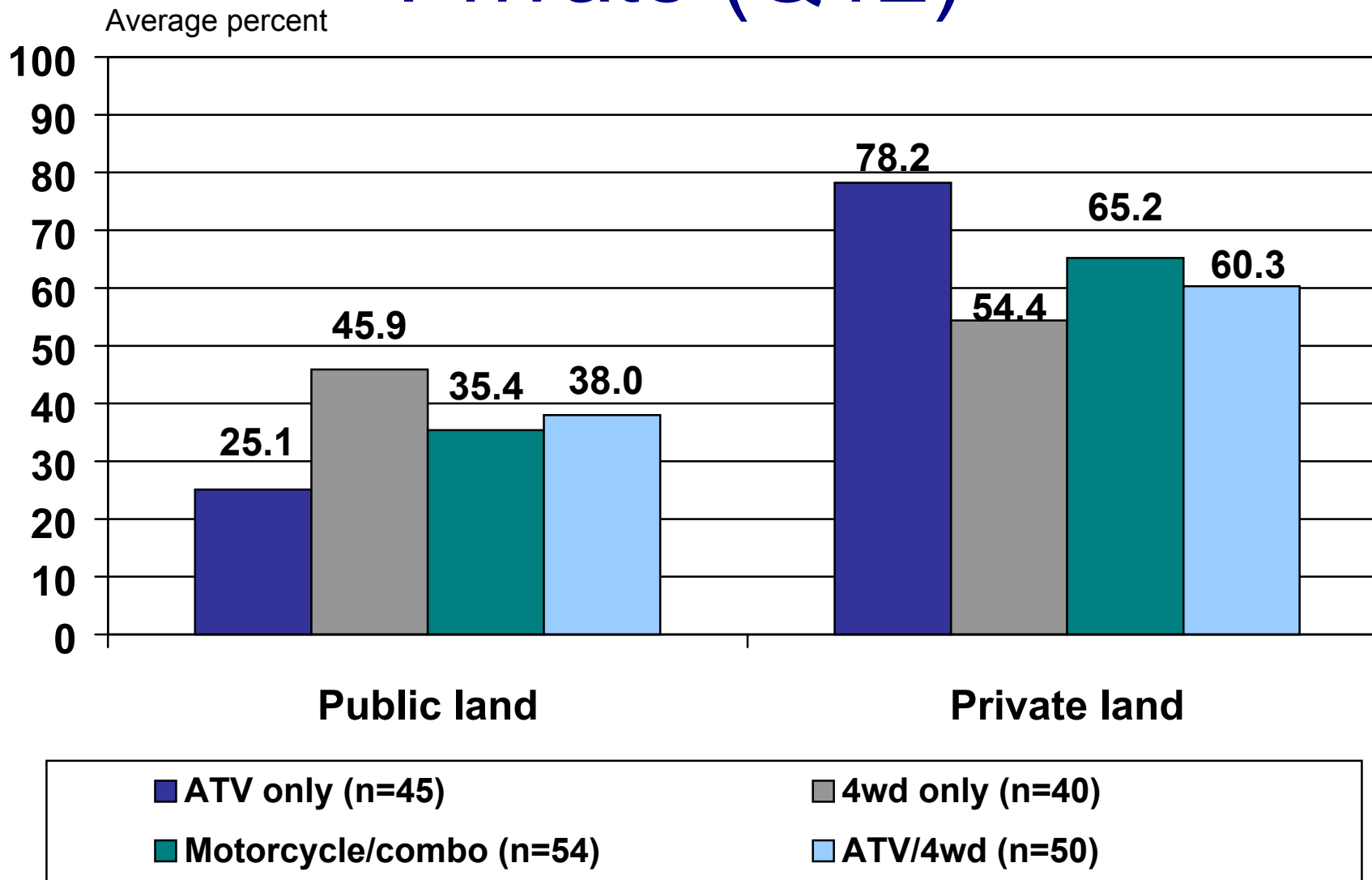
NOTE: Mail survey results only; question asked differently in telephone survey

# Graph B1.11 - OHV Riding in Tennessee (Q9)



p < .05

# Graph B1.12 - Public vs. Private (Q12)



p < .05



## B.2 Trip Length and Overnight Accommodations Used

**Table B2.1\* Average Length of Stay During Multi-day OHV Trips (Q10a1)**

	<b>ATV only</b> (n=5)	<b>4wd only</b> (n=12)	<b>Motorcycle/Combo</b> (n=16)	<b>ATV/4WD</b> (n=11)
Avg # days stay	3.2	2.6	3.3	3.4
Range	2 - 8 days	2 - 4 days	2 - 36 days	2 - 10 hours

**Table B2.2\* Average Length of Stay if Trip is Less Than a Day (Q10a2)**

	<b>ATV only</b> (n=41)	<b>4wd only</b> (n=35)	<b>Motorcycle/Combo</b> (n=45)	<b>ATV/4WD</b> (n=44)
Avg # hours stay	5.7	6.9	7.1	5.8
Range	1 - 13 hours	1 - 15 hours	2 - 12 hours	1 - 16 hours

**Table B2.3\* Where Usually Stay if Trip is More Than a Day (Q10b)**

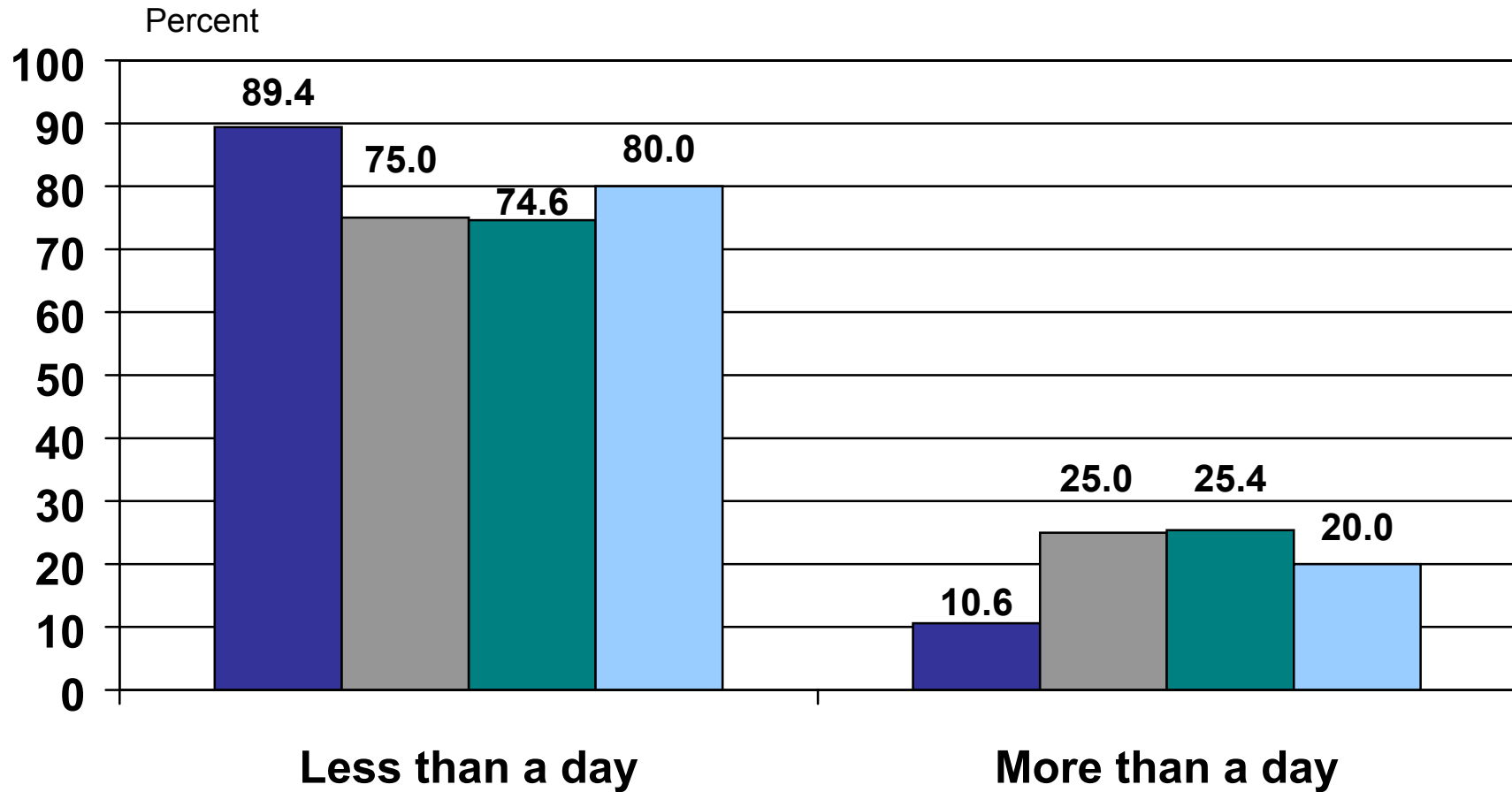
	<b>ATV only</b> (n=4)	<b>4wd only</b> (n=12)	<b>Motorcycle/Combo</b> (n=16)	<b>ATV/4WD</b> (n=12)
Camp	50.0%	50.0%	68.8%	58.3%
Stay in motel	50.0	25.0	25.0	25.0
Stay with friends	0.0	25.0	6.3	16.7

**Table B2.4\* When OHV Users Camp, Where do they Usually Stay (Q10c)**

	<b>ATV only</b> (n=2)	<b>4wd only</b> (n=6)	<b>Motorcycle/Combo</b> (n=12)	<b>ATV/4WD</b> (n=6)
Dispersed camping area	50.0%	66.7%	66.7%	66.7%
Private campground	50.0	16.7	0.0	0.0
Public campground	0.0	16.7	33.3	33.3

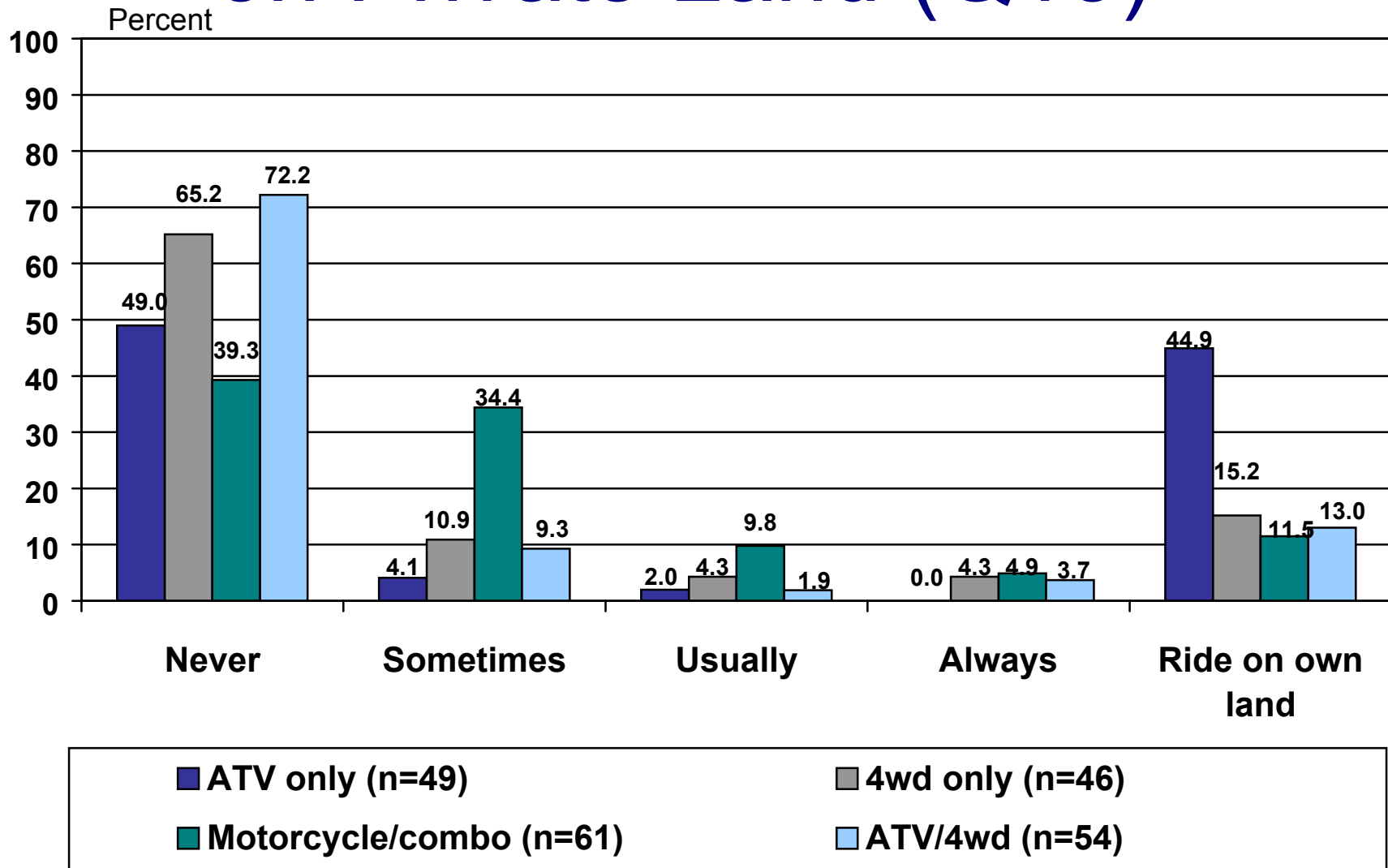
\*Note: Because of the small n sizes, these results should not be considered statistically valid. The results are only general indicators of the behavior of a few people.

# Graph B2.5 - Length of Stay (Q10)



## **B.3 Paying a Fee to Ride an OHV on Private Land**

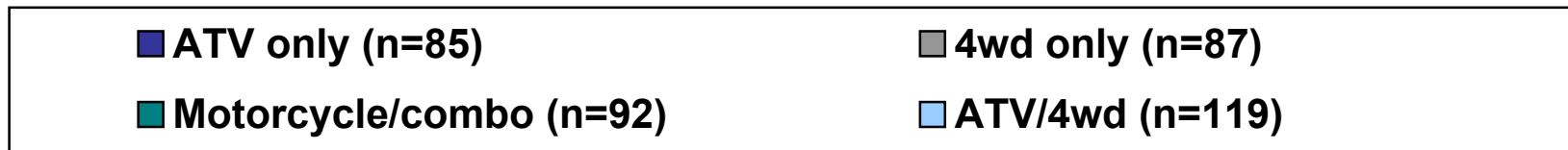
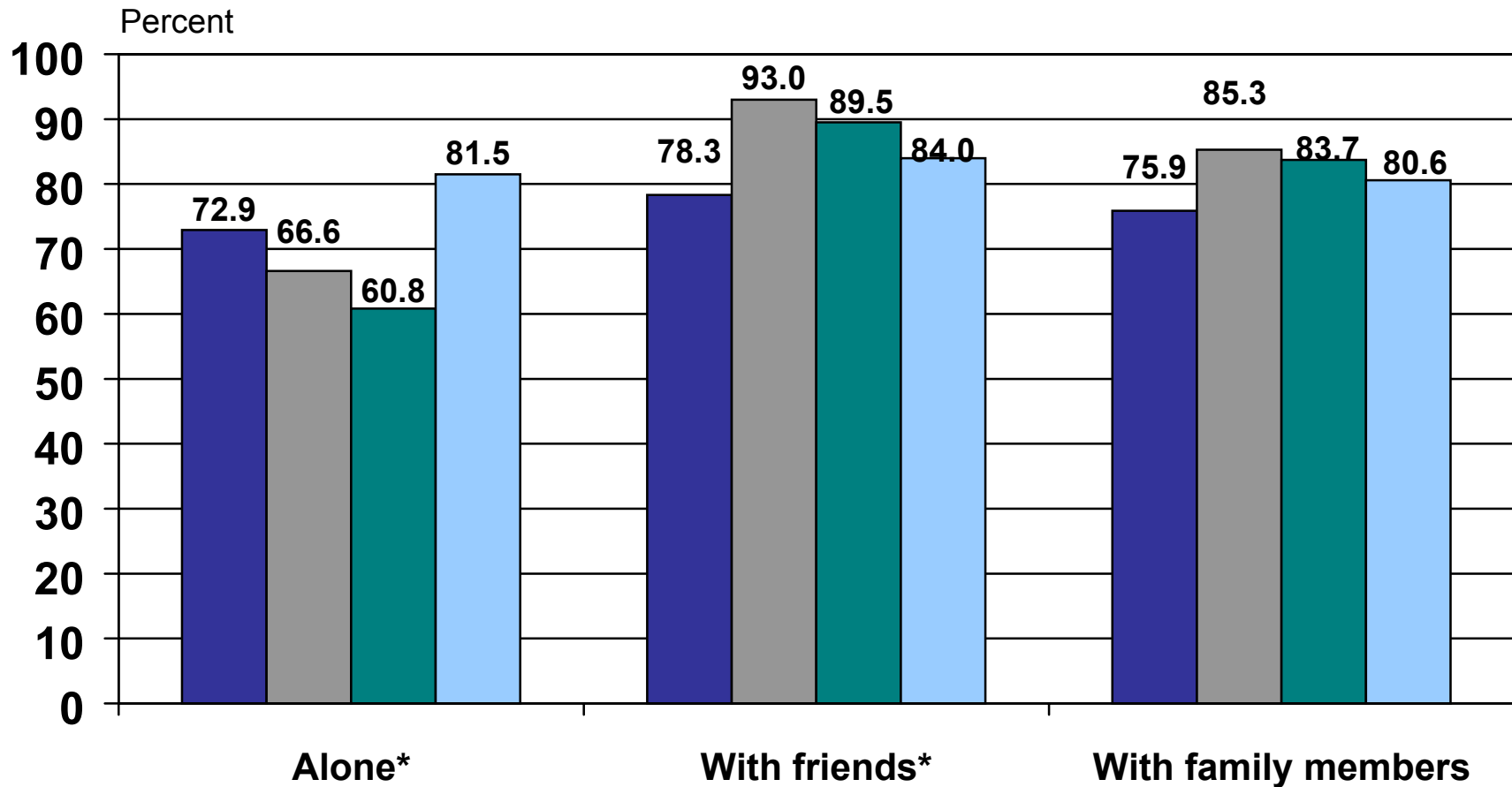
# Graph B3.1 - Pay a Fee to Ride on Private Land (Q13)



p < .05

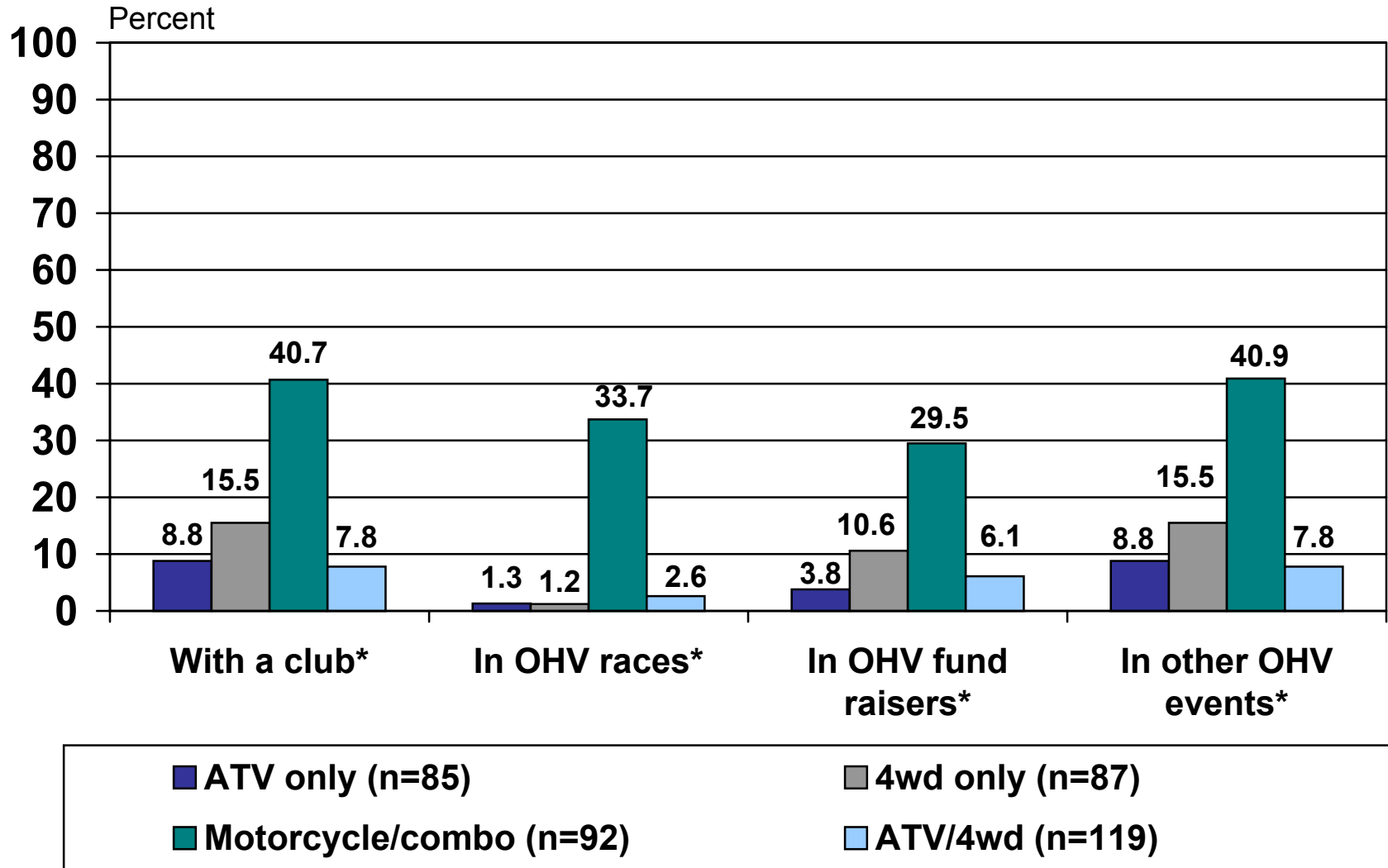
## B.4 Group Characteristics when Riding OHVs for Recreation

# Graph B4.1 - Ride Alone/With Others (Q21) (Sometimes or Always)



\* p < .05

# Graph B4.1 (cont.) - Ride Alone/ With Others (Q21) (Sometimes or Always)



\* p < .05



**Table B4.2 - Average Number of People in Group When Riding OHVs (Q22a)**

	<b>ATV only</b> (n=85)	<b>4wd only</b> (n=88)	<b>Motorcycle/Combo</b> (n=96)	<b>ATV/4WD</b> (n=117)
Avg # people	3.8	4.4	6.9	4.4
Range	1 - 10 people	1 - 30 people	1 - 30 people	1 - 20 people

**Table B4.3 - Average Number of Vehicles in Group When Riding OHVs (Q22b)**

	<b>ATV only</b> (n=83)	<b>4wd only</b> (n=89)	<b>Motorcycle/Combo</b> (n=96)	<b>ATV/4WD</b> (n=116)
Avg # vehicles	3.2	2.7 <sup>a</sup>	5.7 <sup>a</sup>	3.0
Range	1 - 13 vehicles	1 - 15 vehicles	1 - 20 vehicles	1 - 10 vehicles

<sup>a</sup> Significant difference (p < .05)

**Table B4.4 - Average Number of Kids (12 and Under) in Group on OHV Trips (Q23a)**

	<b>ATV only</b> (n=48)	<b>4wd only</b> (n=47)	<b>Motorcycle/Combo</b> (n=65)	<b>ATV/4WD</b> (n=56)
Avg # kids	0.2	0.7	0.7	0.7
Range	0 - 2 kids	0 - 6 kids	0 - 4 kids	0 - 5 kids

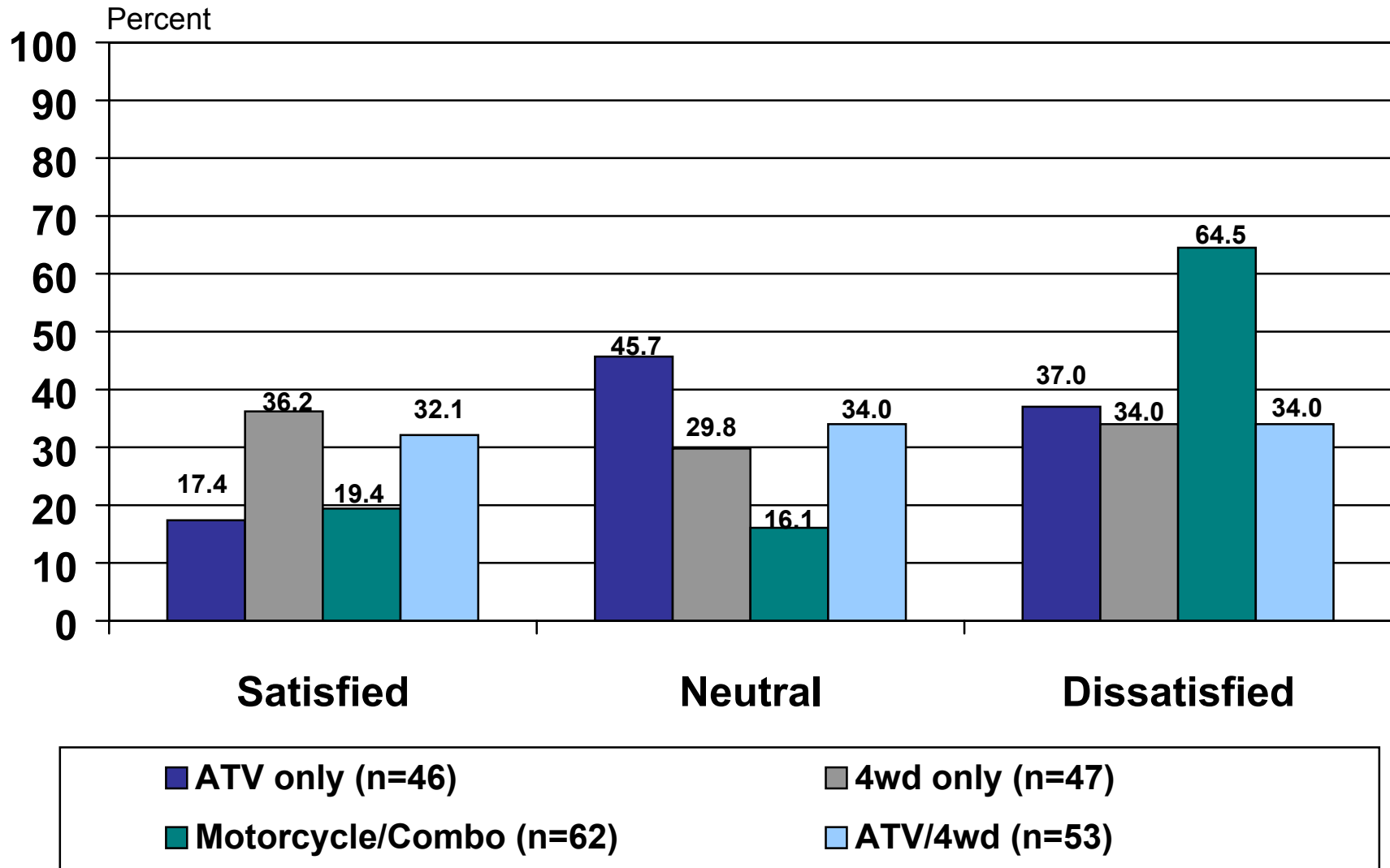
**Table B4.5 - Average Number of Youth (13 to 16) in Group on OHV Trips (Q23b)**

	<b>ATV only</b> (n=47)	<b>4wd only</b> (n=47)	<b>Motorcycle/Combo</b> (n=64)	<b>ATV/4WD</b> (n=56)
Avg # youth	0.6	0.6	1.0	0.7
Range	0 - 4 youth	0 - 5 youth	0 - 4 youth	0 - 6 youth

## C. Perceptions of OHV Users

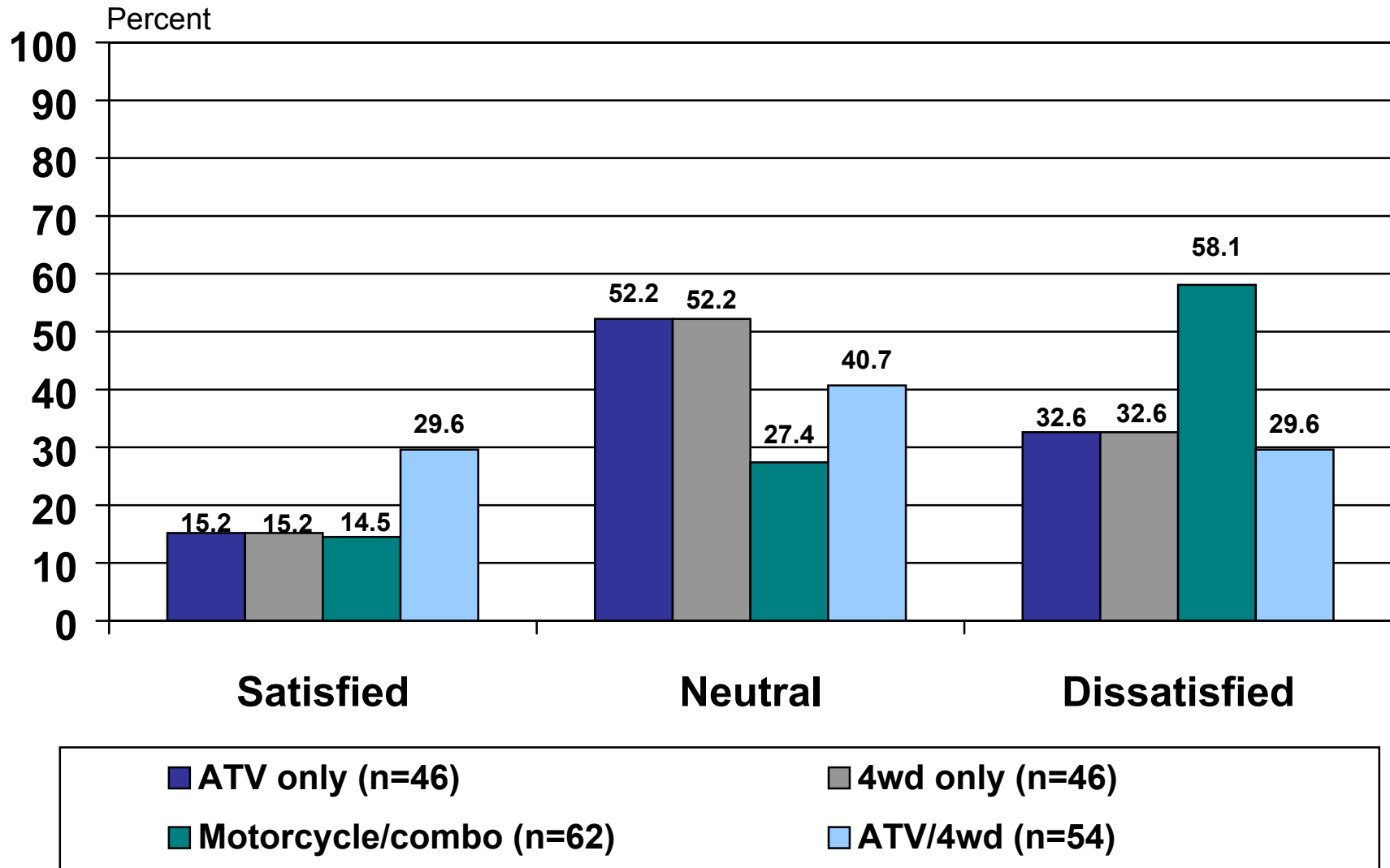
### C.1 Satisfaction with Current Status of OHV Recreation in Tennessee

# Graph C1.1 - Satisfaction with OHV Opportunities in TN (Q35)



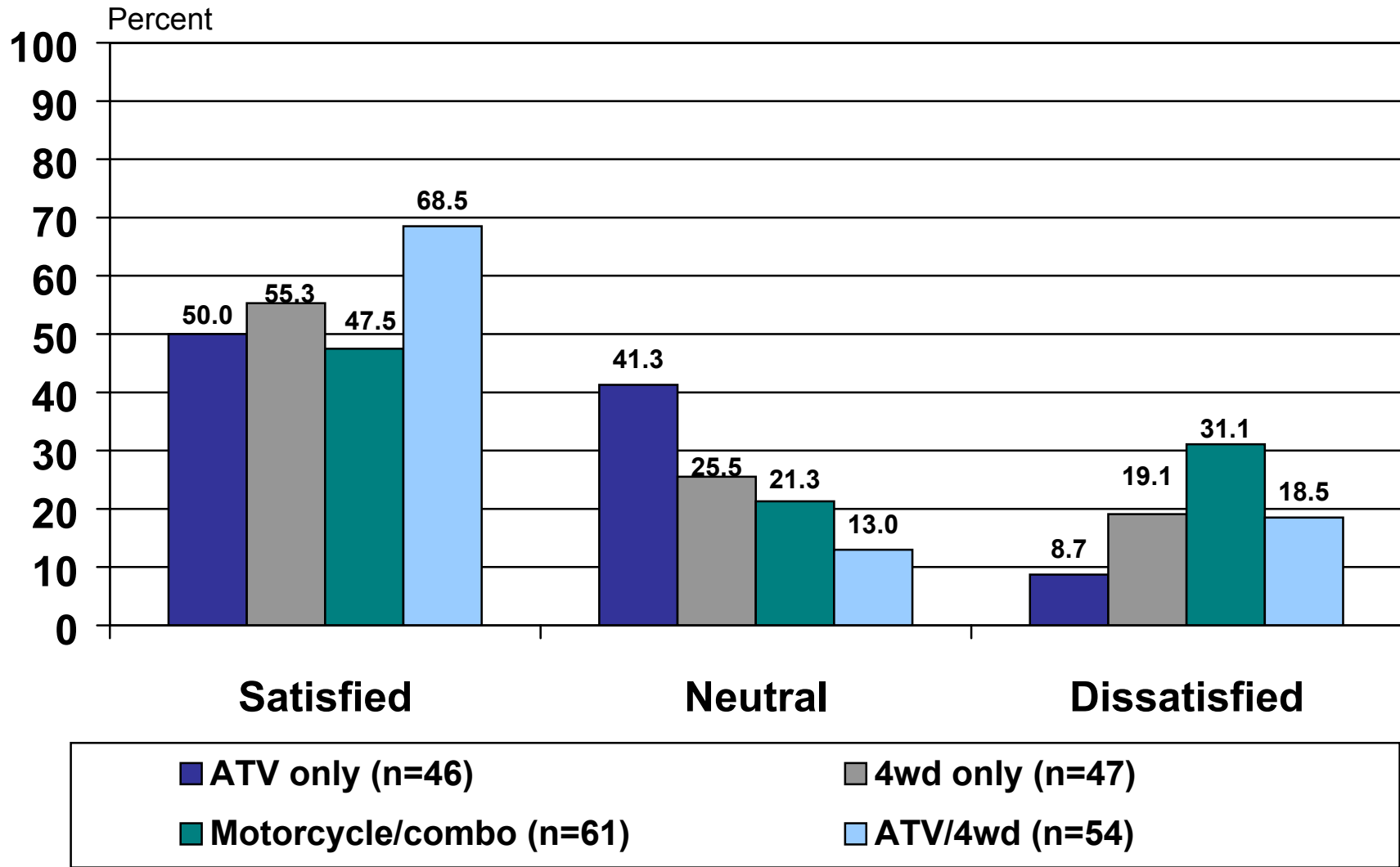
p < .010

# Graph C1.2 - Satisfaction with OHV Management in TN (Q36)



p < .020

# Graph C1.3 - Satisfaction with OHV Experiences in TN (Q37)



p < .005

## C.2 Problems in OHV Areas

**Table C2.1 - Extent of Problems in OHV Use Areas**

**Q33 To what extent do you think each of the following is a problem in the OHV areas you most frequently use.**

(Scale: 1 = Not a problem; 2 = Minor problem; 3 = Moderate problem; 4 = Serious problem)

	<b>ATV only</b>	<b>4wd only</b>	<b>Motorcycle/ Combo</b>	<b>ATV/4wd</b>
Mean Score	(n=41)	(n=45)	(n=61)	(n=51)
Litter	2.34	2.59	2.50	2.57
Poor communication of rules and regulations	1.91	1.91	2.32	1.84
OHVs traveling too fast	2.08	2.00	1.83	2.36
Availability of parking places for your support vehicle at access points	1.82	1.82	1.92	1.81
Lack of suitable campsites	1.86	1.99	2.02	1.67
OHV impacts to soil	1.99	2.15	1.82	1.91
OHV impacts to vegetation	1.99	1.93	1.69	1.96
OHV impacts to wildlife	1.93	1.77	1.63	1.89
Inadequate facilities at campsite	1.76	1.82	1.94	1.55
Noise from OHVs	1.43	1.94	1.84	1.87
OHV "play" activities like "mudding"	1.71	1.72	1.84	1.47
Temporary closure of the area you most frequently use due to damage	1.61	1.76	1.98	1.65
OHV impacts on water	1.53	1.73	1.61	1.64
Too many rules and regulations	1.36	1.60	1.58	1.54
Too few rules and regulations	1.55	1.68	1.93	1.50

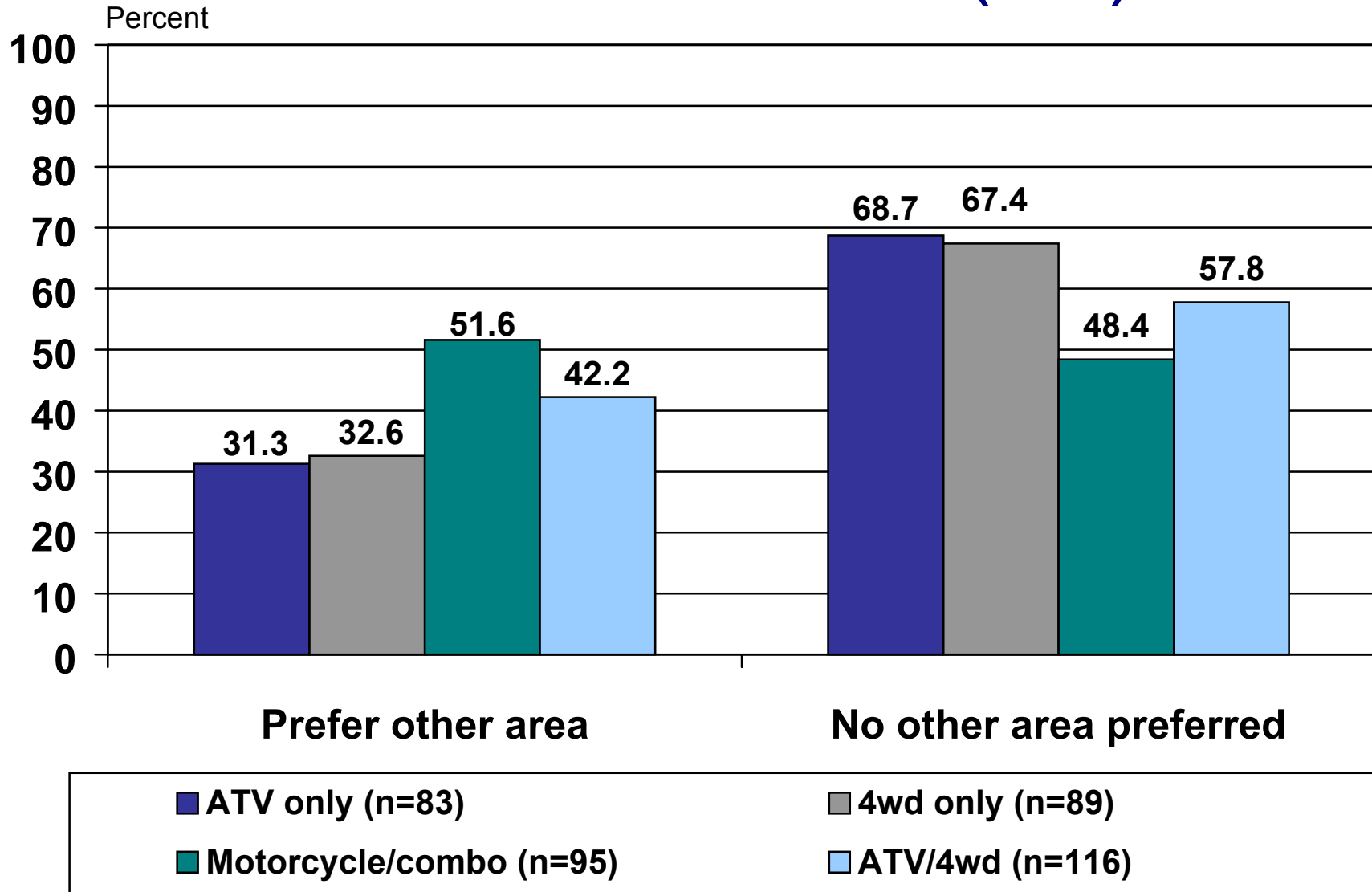
\*Significant difference ( $p < .05$ )

## D. Preferences of OHV Users

### D.1 Places Respondents Would Prefer to Use More Often for OHV Recreation



# Graph D1.1 - Area Where Prefer to Ride More Often? (Q8)



p < .05

**Table D1.2 - Other Places Prefer to Ride in Tennessee  
for Recreation  
by ATV only**

<b>Place</b>	<b>n</b>	<b>%</b>
Natchez Trace	5	21.7
Private land	3	13.0
Big Ridge	2	8.7
Chickasaw	2	8.7
LBL	2	8.7
Big South Fork	1	4.3
Bill Creek	1	4.3
Bottom lands	1	4.3
Cedars of Lebanon	1	4.3
Champion Land at Westpoint Rd.	1	4.3
Chilhowee	1	4.3
TVA land	1	4.3
Westvaco	1	4.3
WMA's	1	4.3
<b>Total</b>	<b>23</b>	<b>100.0</b>

**Table D1.3 - Other Places Prefer to Ride in Tennessee  
for Recreation  
by Four Wheel Drive only**

<b>Place</b>	<b>n</b>	<b>%</b>
Smoky Mountains	3	13.6
Cherokee National Forest	2	9.1
Private land	2	9.1
Scott's Gulf	2	9.1
Tellico	2	9.1
Bare roads	1	4.5
Bluff Mountain	1	4.5
Catoosa WMA	1	4.5
Chuck Swan	1	4.5
Cumberland Plateau	1	4.5
Icy Cove	1	4.5
Mt. Roosevelt Forest	1	4.5
Pegram	1	4.5
Royal Blue	1	4.5
TVA land	1	4.5
Virgin Falls area	1	4.5
Total	22	100.0

**Table D1.4 - Other Places Prefer to Ride in Tennessee  
for Recreation  
by Motorcycle/Combo**

<b>Place</b>	<b>n</b>	<b>%</b>
Natchez Trace	5	15.2
Carter Mountain	3	9.1
Cedars of Lebanon	3	9.1
Loretta Lynn's Ranch	3	9.1
Buffalo Mountain	2	6.1
Cherokee National Forest	2	6.1
Columbia Dam	2	6.1
LBL	2	6.1
Private land	2	6.1
Tellico	2	6.1
Big South Fork	1	3.0
Chickasaw	1	3.0
Hall's Top	1	3.0
Ham Knight Rd.	1	3.0
House Mountain	1	3.0
Lake bottoms	1	3.0
Pulaski mine	1	3.0
<b>Total</b>	<b>33</b>	<b>100.0</b>

**Table D1.5 - Other Places Prefer to Ride in Tennessee  
for Recreation  
by ATV/Four Wheel Drive**

<b>Place</b>	<b>n</b>	<b>%</b>
Private land	6	13.6
Big South Fork	4	9.1
Natchez Trace	3	6.8
Cherokee National Forest	3	6.8
Cumberland Gap	2	4.5
Duck River	2	4.5
Horse Creek Park	2	4.5
Oak Ridge	2	4.5
Paper company	2	4.5
WMA's	2	4.5
Cheatham WMA	1	2.3
Dale Hollow Lake	1	2.3
Davis Creek near Cades Cove	1	2.3
Del Rio	1	2.3
Dry Creek	1	2.3
LBL	1	2.3
Mississippi River bank	1	2.3
Nashville area	1	2.3
Public road, Mt. Pleasant to Far Gap	1	2.3
Robertson County	1	2.3
Rock Fork	1	2.3
Smoky Mountains	1	2.3
TVA land	1	2.3
Tellico	1	2.3
Tenneco	1	2.3
Willamette	1	2.3
<b>Total</b>	<b>44</b>	<b>100.0</b>

## Table D1.6 - Reasons Why These Areas Are Preferred (Q8d)

Close (14)

Hunting (11)

Scenic (6)

Terrain (6)

Best/better riding (3)

Challenge of the trails (3)

Fun (3)

A lot of back woods, but I would not like them to open up the area.

A lot of good trails and they keep them pretty well cleared out.

A lot of nice looking hills and trails that are mostly for horses that I wish I could use a 4wd on.

A lot of open area.

Affordable, fresh trails

All kinds of riding

Awesome view and trails

Beautiful terrain, close by, rode there for 30 years before TWRA.

Beautiful woods, nice trails, terrain is great for trail riding.

Because I have been everywhere else.

Because it is close and all of the wildlife to watch

Because nobody gets to ride in it.

Better managed trails

Better riding terrain

Better trails

Better trout streams

Big dirt roads that aren't very traveled and lots of good mountain roads.

Bigger area

Bigger hills and more mud

Camped there as a child and love the mountains.

Close and mild to wild trails

Close and fun

Close and lake access

Close and lots of wildlife

Close and pretty

Close to home and no one uses it

Close to home and the best 4-wheeling around

Close to home, easy access

Close to home, established roads

Close to home, good trails

Close to home, nice trails

Close to home, scenery

Close, beautiful scenery, family heritage

Close, good place to ride

Close. I can't find anywhere that is legal.

Connecting ride from Robbinsville to Stateline, 2-day ride.

Diversity, more trails and variety

Easy access

Easy access to trails, challenging trails

Easy riding

Excellent maintained trails

Excellent tight trails

Familiar, many trails

Fantastic trails, close to home

Favorite place, good trails, challenging

## Table D1.6 (cont.) - Reasons Why These Areas Are Preferred (Q8d)

Few rocks  
Four wheeler and bike area  
Get away  
Good campground and fun ride  
Good camping and hunting  
Good place to ride, lots of trails, scenery  
Good place to ride  
Good riding, close to home, easy to get there  
Good single track trails  
Good technical trails  
Good trails  
Good well kept trails  
Great area and trails  
Great area. Many trails, diverse terrain, close to interstate, large area.  
Great diversity of terrain  
Great riding area close to home  
Great riding, excellent trails  
Great riding for all levels  
Great terrain  
Great trails  
Great trails and scenery  
Great trails, underused  
Gullies  
Heard a lot about it  
Higher difficulty  
I can ride there any time.  
I don't have to worry about anybody bothering me if I tear up anything, even accidentally.  
I grew up riding in this area.  
I have a lot of friends in that area, and it's a little cooler.  
I like the hills, gullies, and mud pit there.  
It's about the only place to ride, connects with all listed above.  
It's bigger and has more trails  
It's closed during the winter.  
It's closer to home and a bigger area.  
It's flatter and closer to the lake.  
It's gorgeous up there, scenery is breath-taking, high ridges.  
It's got the river and places where you could grill out, camp, fish, and hike.  
It's made for off road and Tennessee doesn't have this.  
It's more interesting and a different area.  
It's more user friendly and not as steep.  
It's muddy and fun for four wheeling.  
It's new and different.  
It's new, very scenic.  
It's pretty and has creeks.  
It's the only place to ride right now.  
It connects the area if the trail would be opened.  
It goes way up, and it's nice for scenery  
It has a lot of trails.  
It has more area.  
It is accessible.  
It is very convenient location.

## Table D1.6 (cont.) - Reasons Why These Areas Are Preferred (Q8d)

It looks better, a more interesting ride.  
It tests your ability more there; it's extremely rough.  
It was great when it was open.  
Just not enough 4wd roads.  
Large area, many trails.  
Large beautiful area.  
Large public land.  
Large, multi-terrains.  
Less driving  
Liked to go to the area and ride to falls before state got it and closed by deed.  
Limited areas to ride in Tennessee.  
Location  
Location, good trails  
Longer trails  
Lots of area to ride.  
Managed  
More area, better riding.  
More challenging terrain.  
More challenging trail  
More land  
More room and places to ride  
More trail diversity  
More woods  
Nice trails (2)  
Nice trails, big park  
Nice trails, lots of trails, very technical  
No development, deep woods  
Not much traffic, lots of creeks  
Not too many homes  
Number/variety of trails  
Old logging roads make good 4wd roads  
One of the only places I have found to ride  
Professionally run  
Proximity  
Really cool. Long trails. Unfortunately, it's closed.  
Rough, fun  
Rougher terrain, more of a challenge and it's prettier  
Scenic and restful and I don't have to travel  
Several good trails  
Size of area  
So I'd have a place to store my OHV.  
So we can watch those who ride the 4 wheeler in case someone gets hurt.  
Soil is good riding, easier to get to.  
Superb quality trails  
Scenic view  
Trails and good recreation  
Tranquility of it is very nice  
They're close to my home and it will let you get to hard to reach places  
There is not a whole lot of people there  
They are wooded  
Thirty plus mile trail rides



**Table D1.6 (cont.) - Reasons Why These Areas Are Preferred (Q8d)**

Thousands of acres of woods

Tennessee could use revenue for Sticols and roads (sic).

To be able to have access to off-road areas with caves.

Unimproved terrain

Used to ride it when growing up

We did a lot of work up there to maintain it and make it look good.

Well developed, favorable conditions

Well maintained course

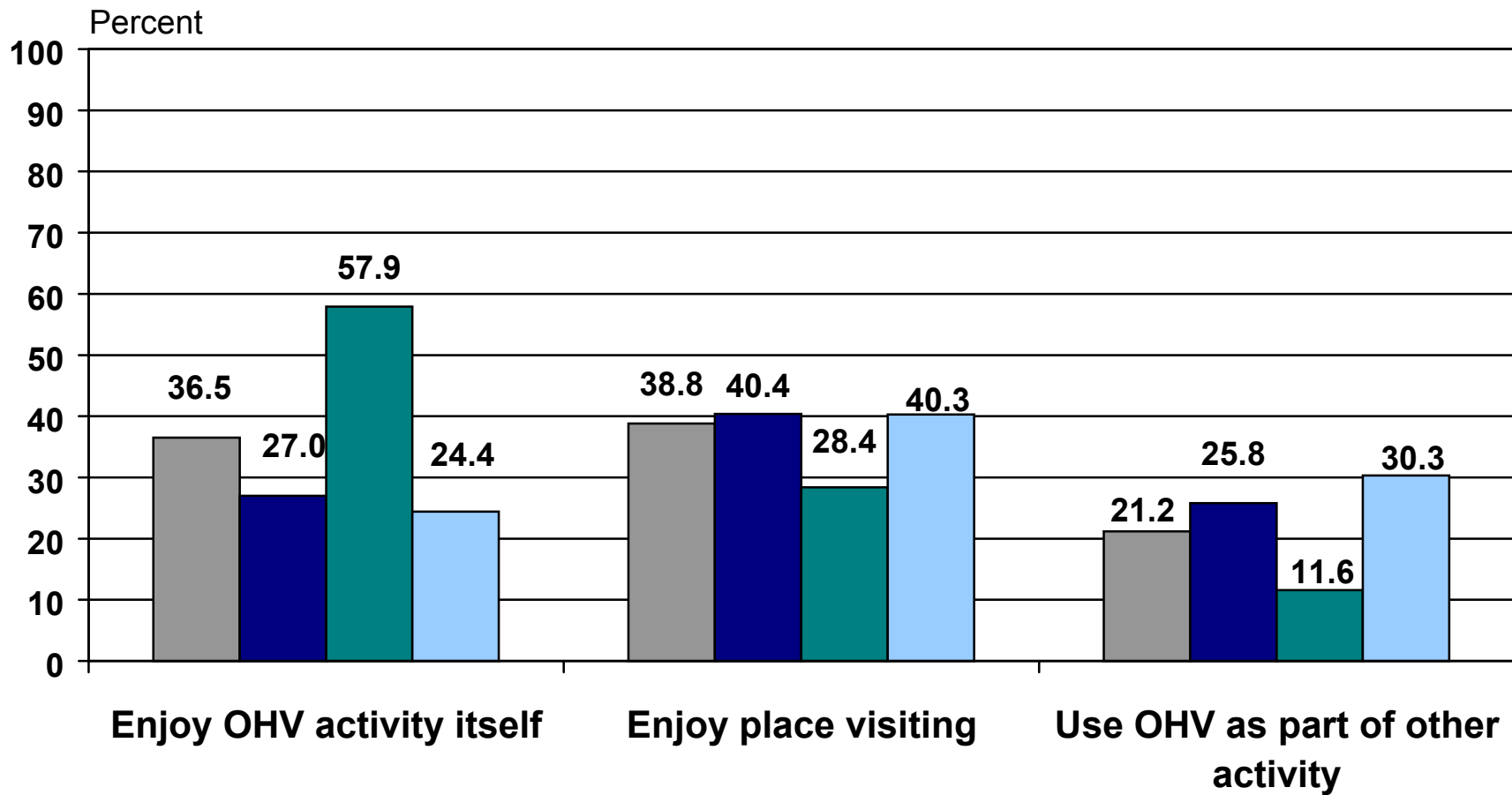
Wide open park and we can go swimming

Wide variety of terrain

Wildlife, sightseeing, and the lake and beautiful scenery.

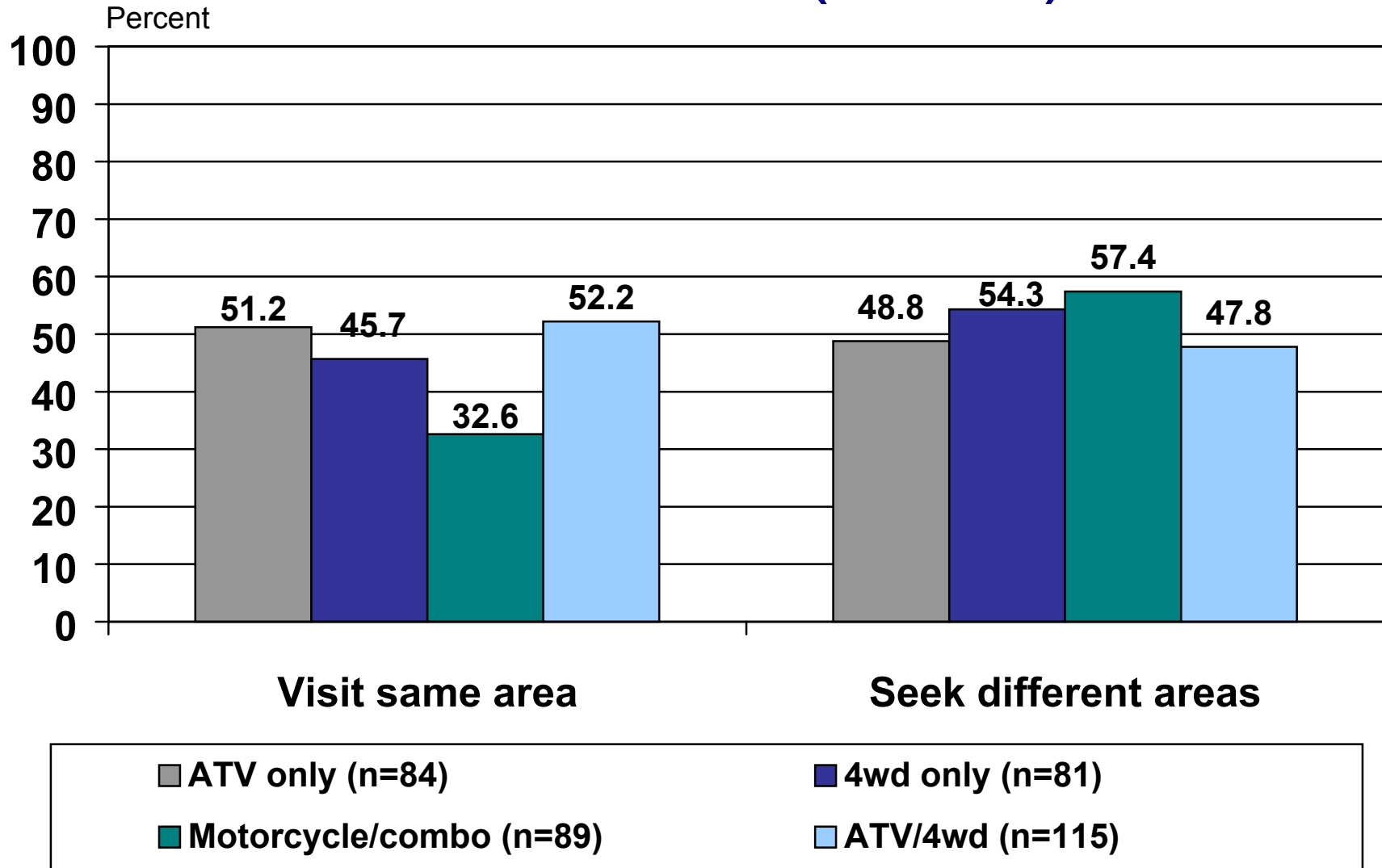
## D.2 OHV Experience Preferences

# Graph D2.1 - Overall OHV Experience Preference (Q26)



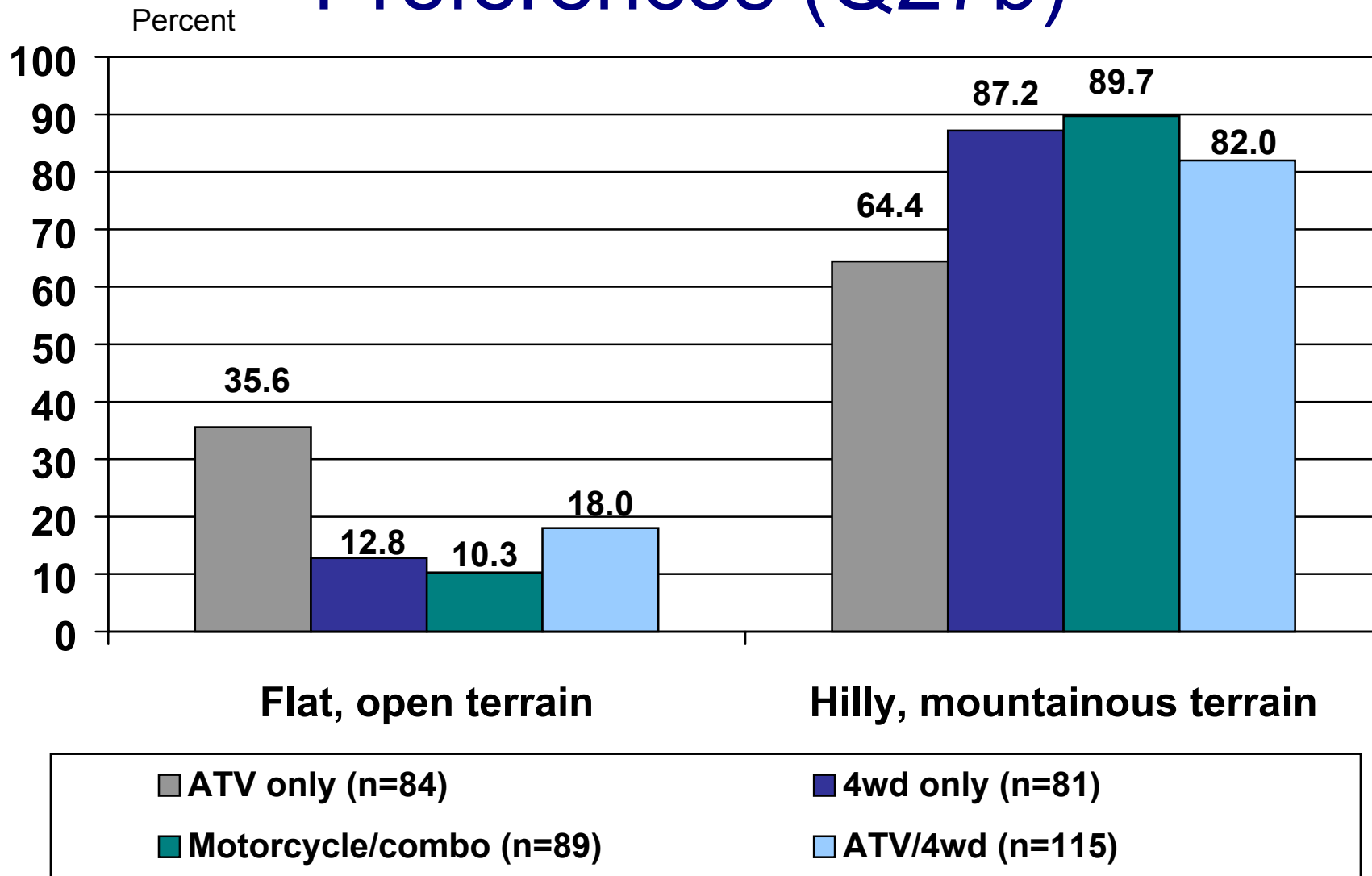
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# Graph D2.2 - Terrain Riding Preferences (Q27a)



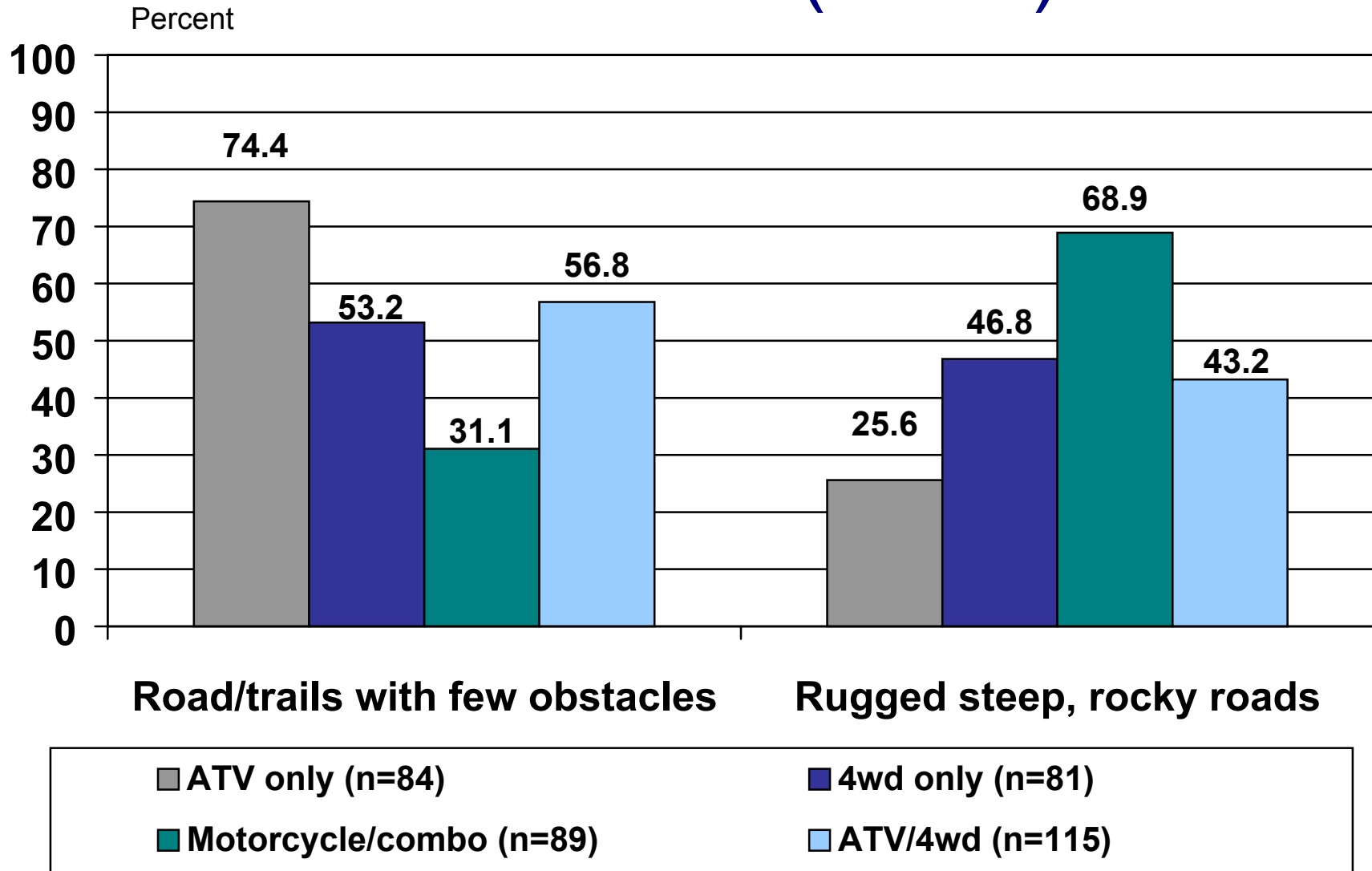
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# Graph D2.3 - Terrain Riding Preferences (Q27b)



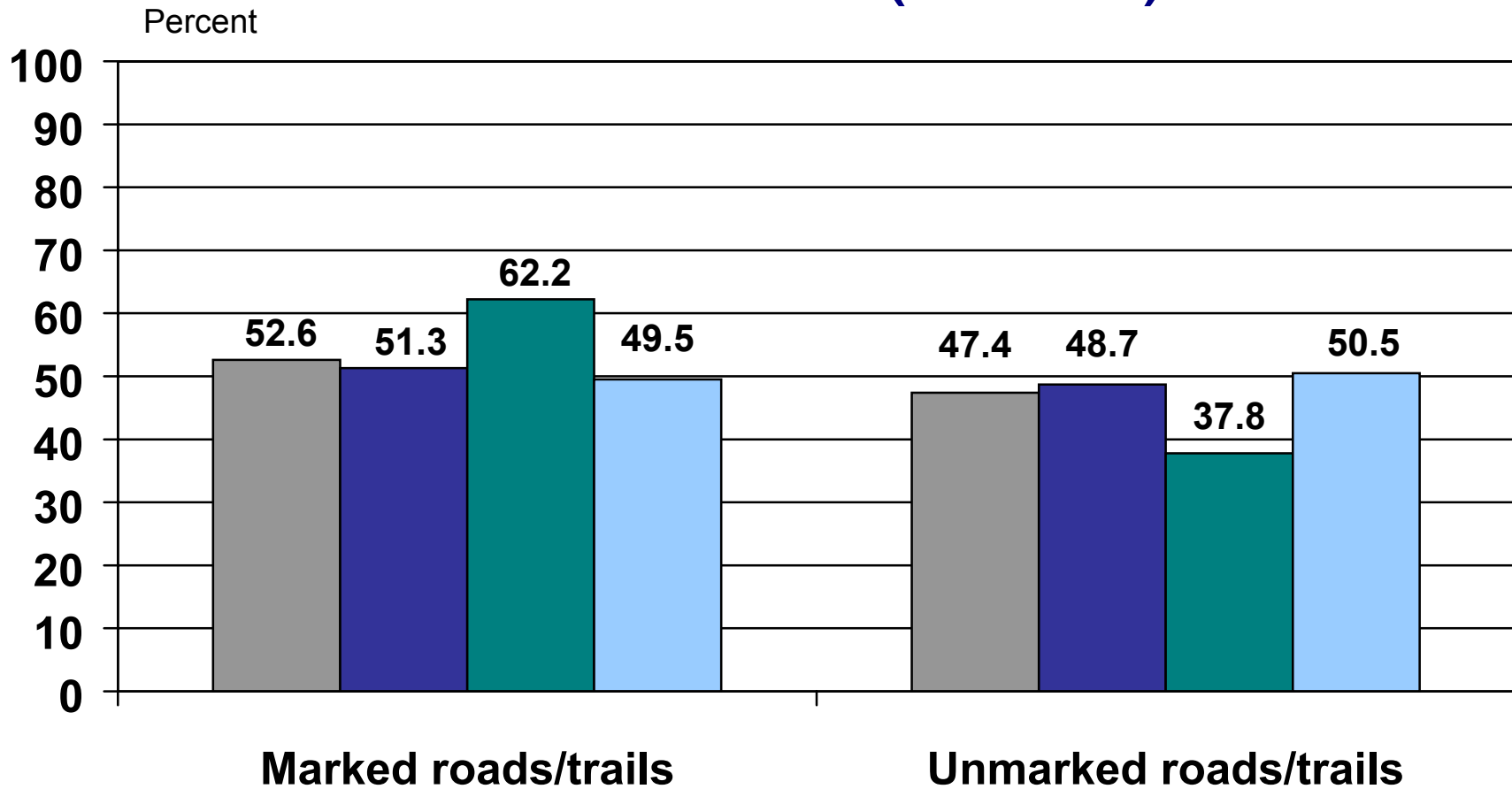
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# Graph D2.4 - Terrain Riding Preferences (Q27c)

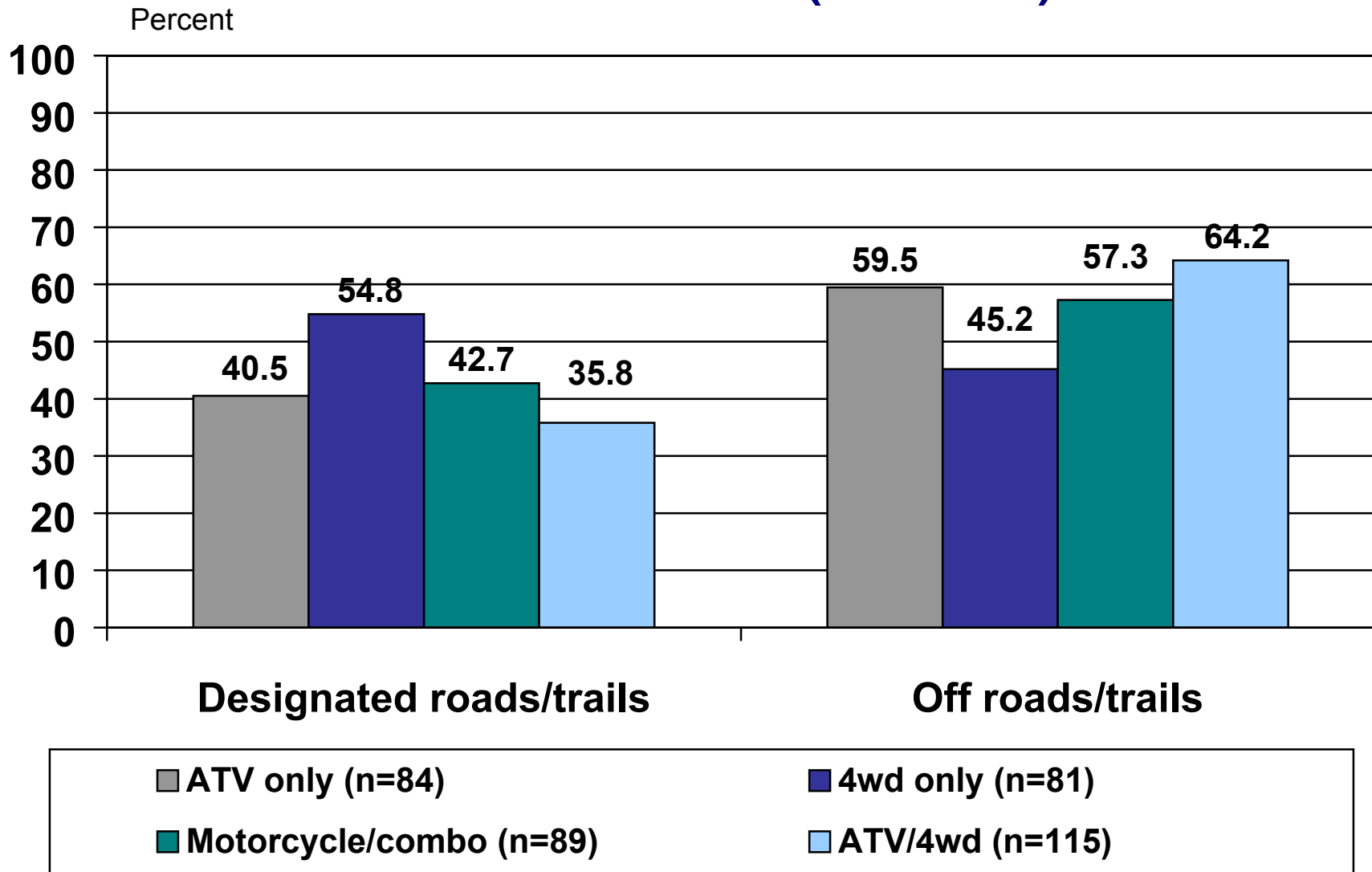


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# Graph D2.5 - Terrain Riding Preferences (Q27d)

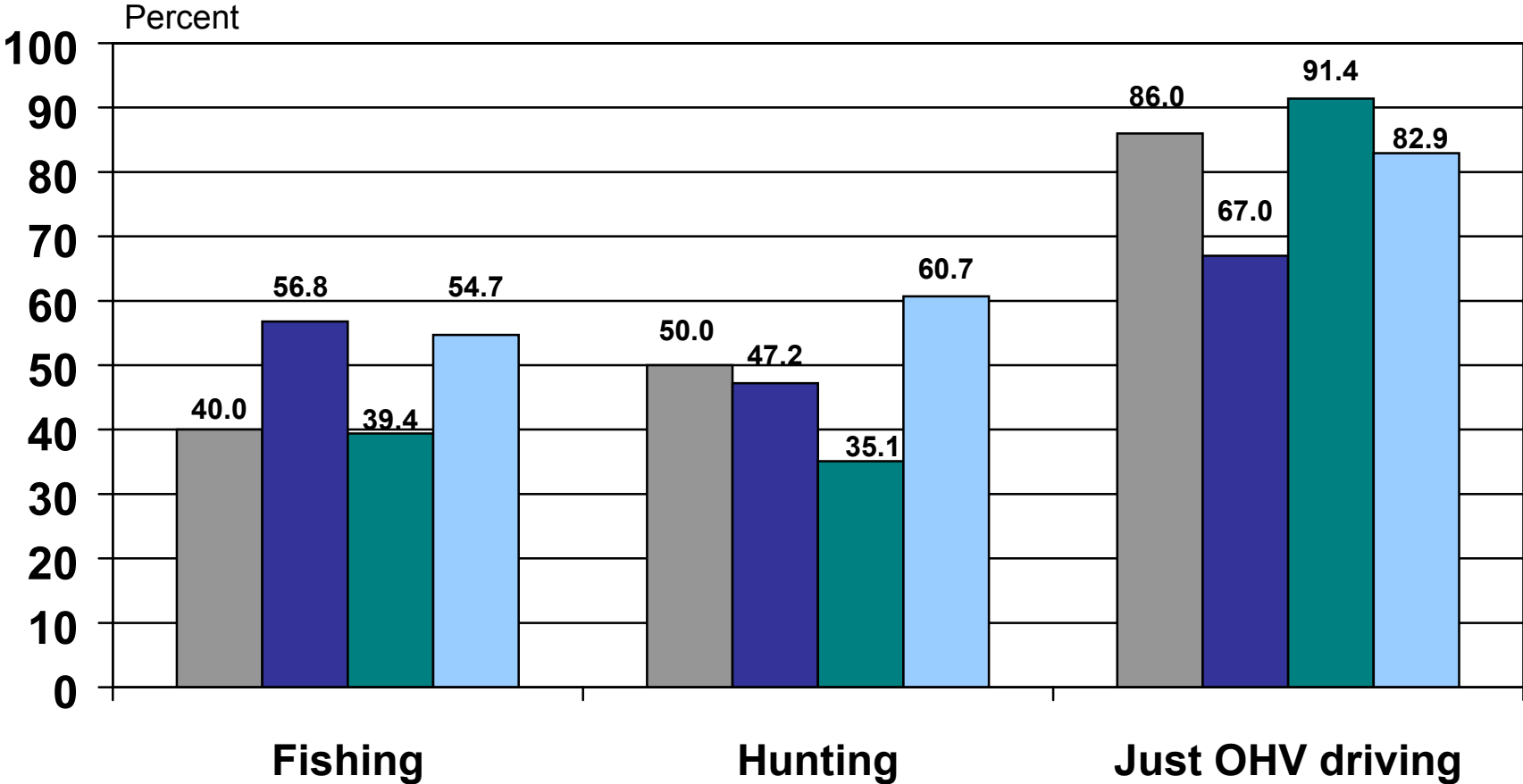


# Graph D2.6 - Terrain Riding Preferences (Q27e)



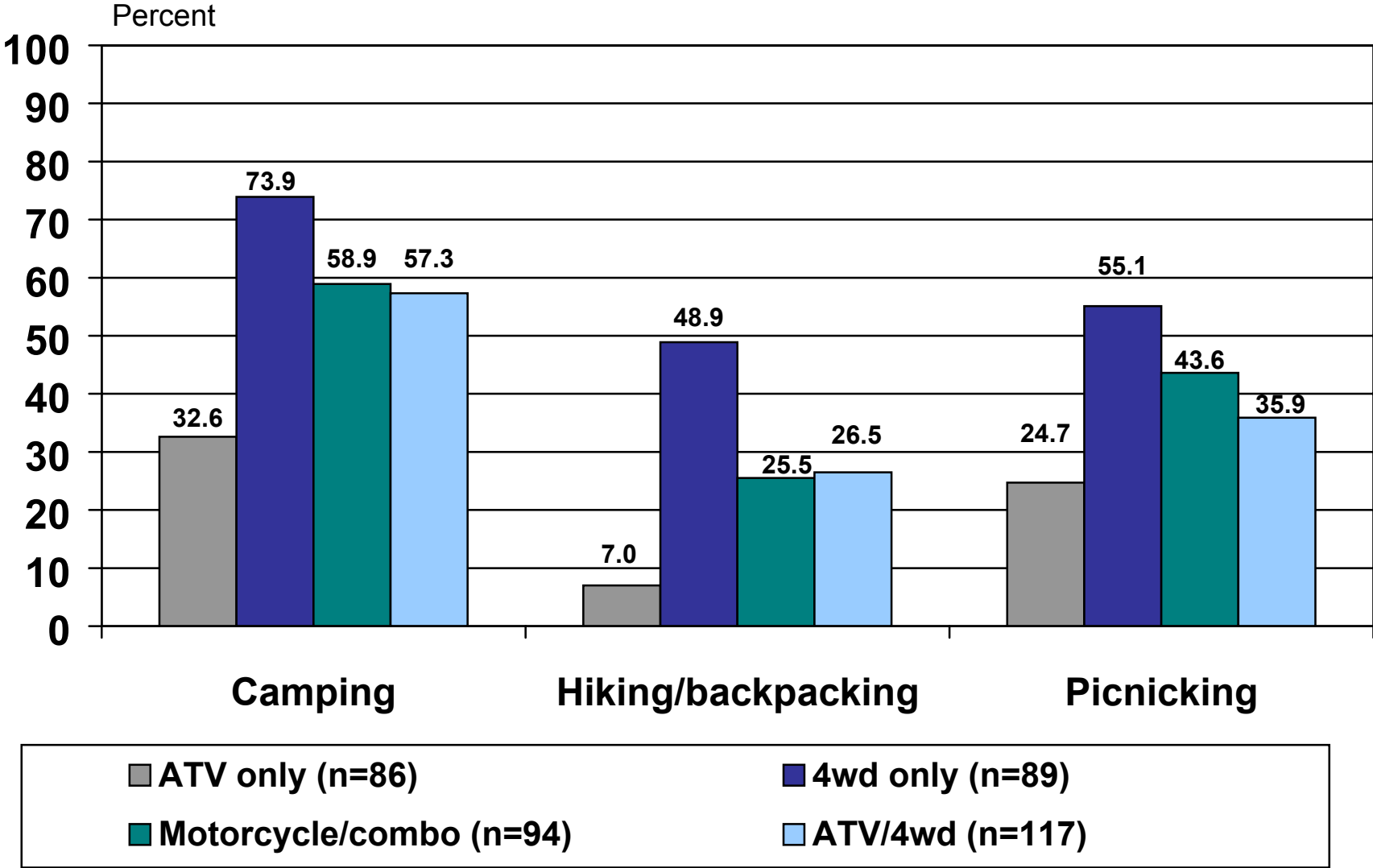


# Graph D2.7 - Participate in Other Activities During OHV Trip (Q28)



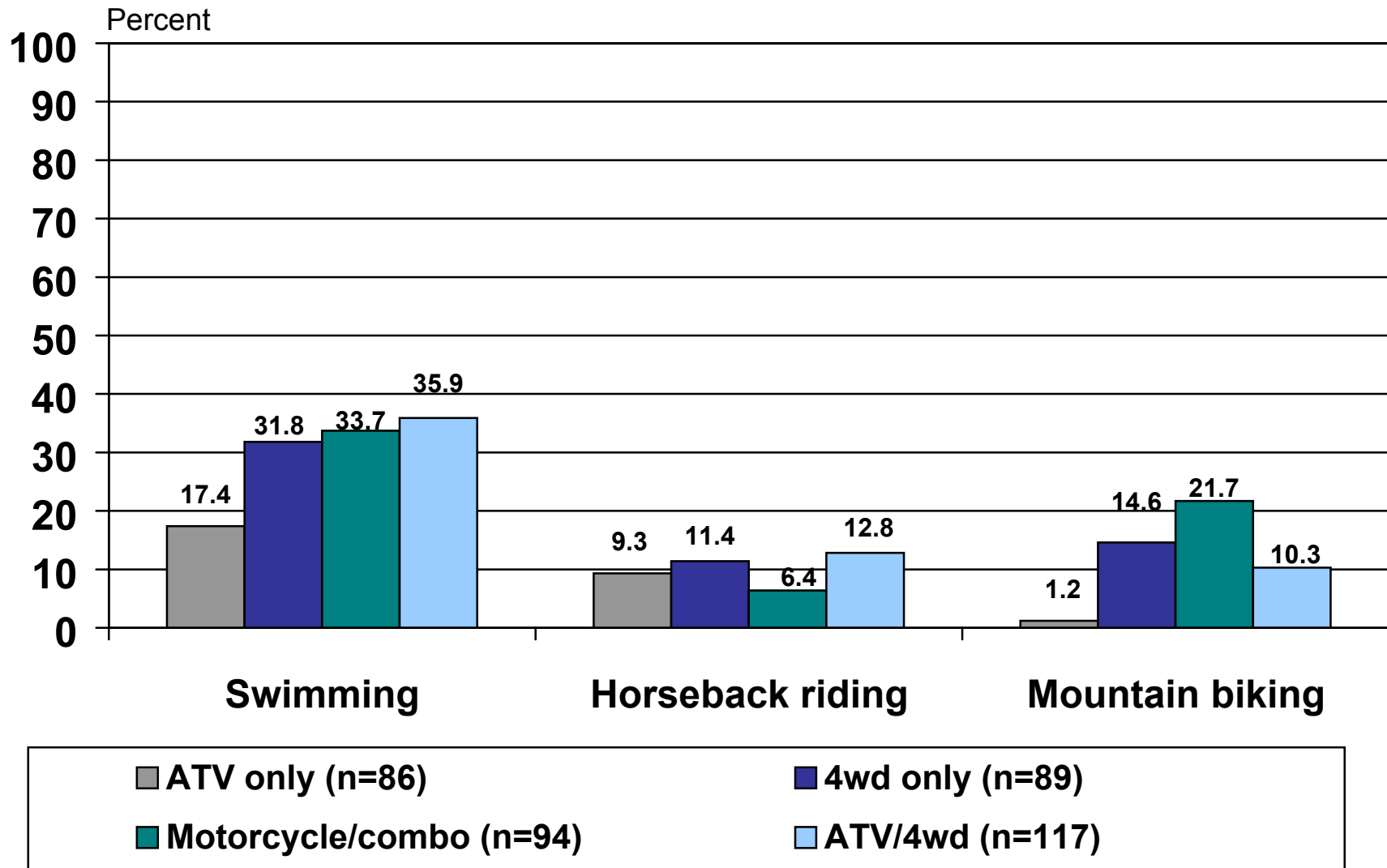
p < .05

# Graph D2.8 - Participate in Other Activities During OHV Trip (Q28)



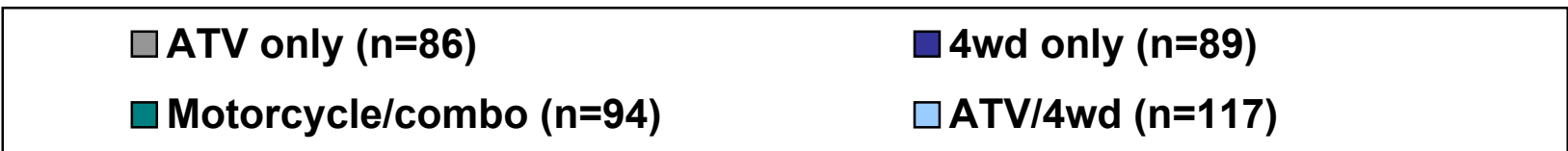
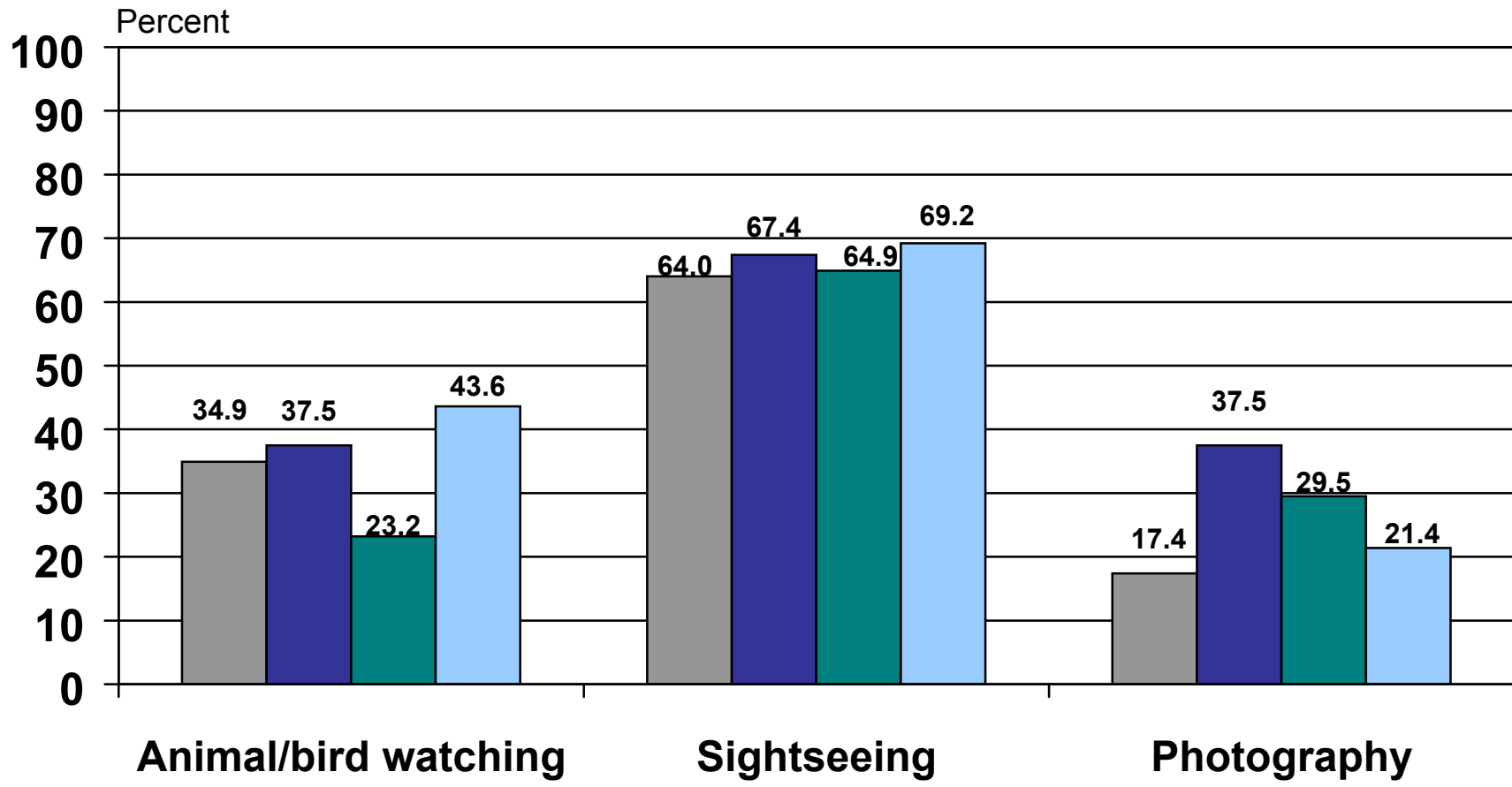
p < .05

# Graph D2.9 - Participate in Other Activities During OHV Trip (Q28)



p < .05

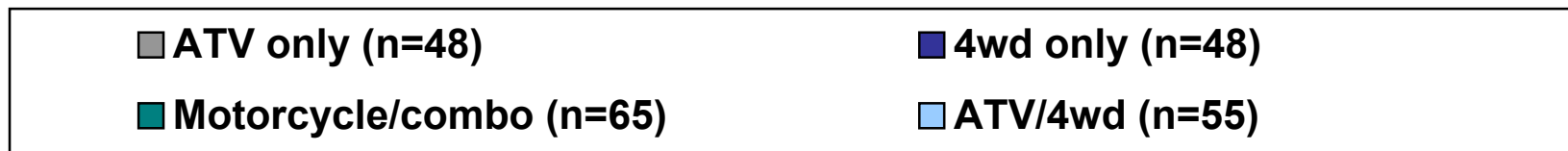
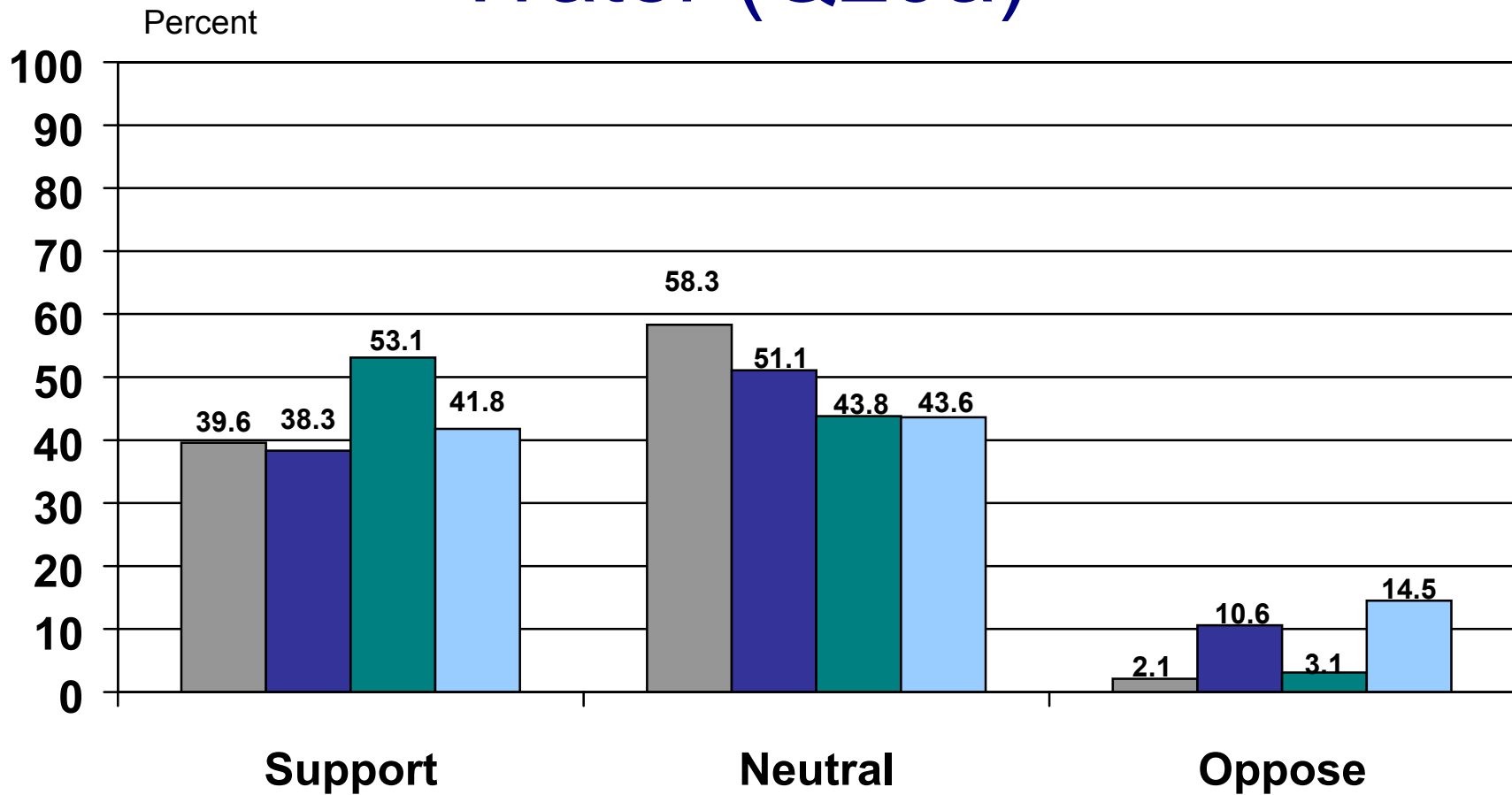
# Graph D2.10 - Participate in Other Activities During OHV Trip (Q28)



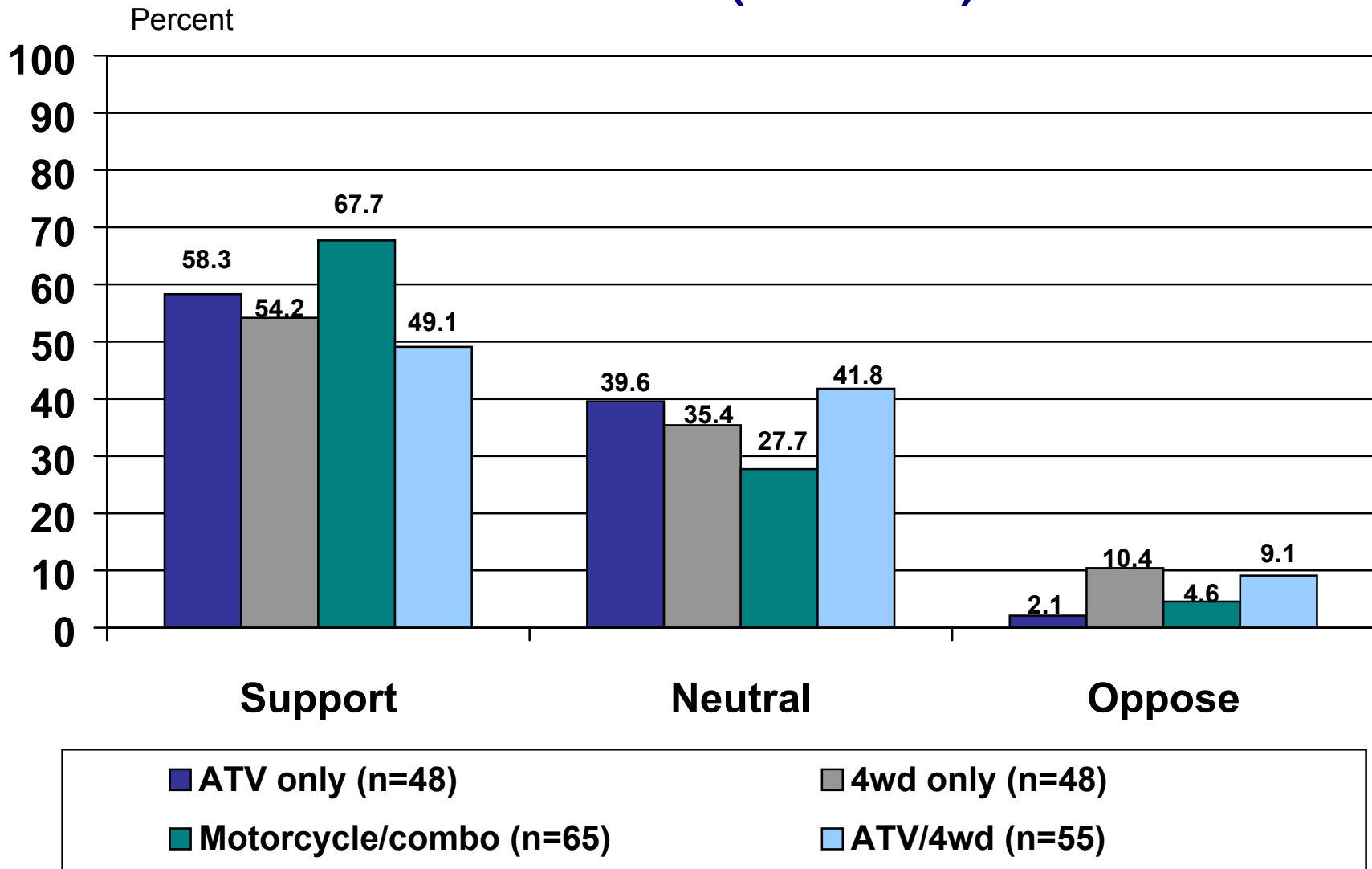
p < .05

# D.3 Possible Management Actions to Increase OHV Opportunities and Experiences in Tennessee

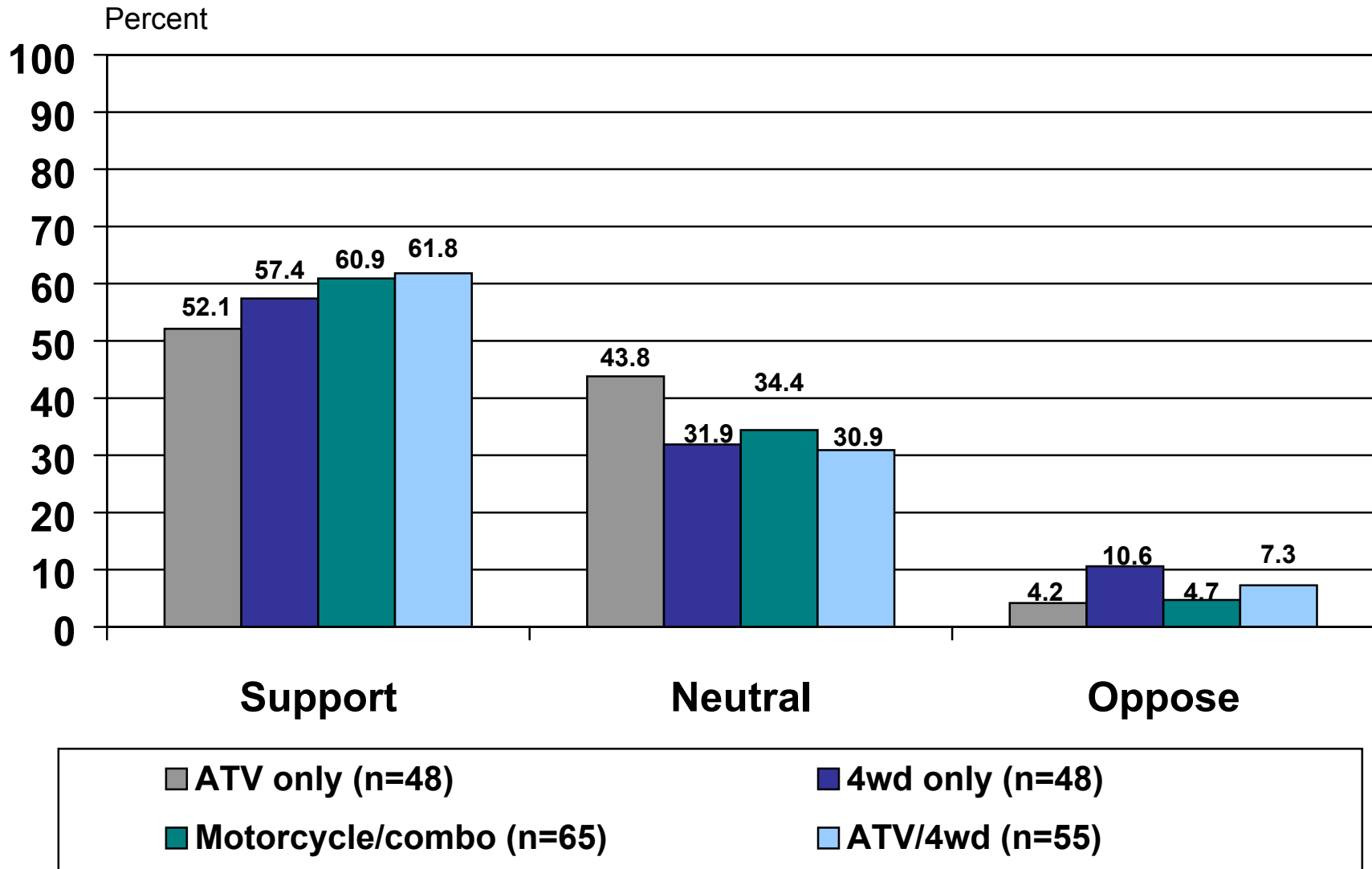
# Graph D3.1 - Provide Safe Drinking Water (Q29a)



# Graph D3.2 - Provide Toilet Facilities (Q29b)

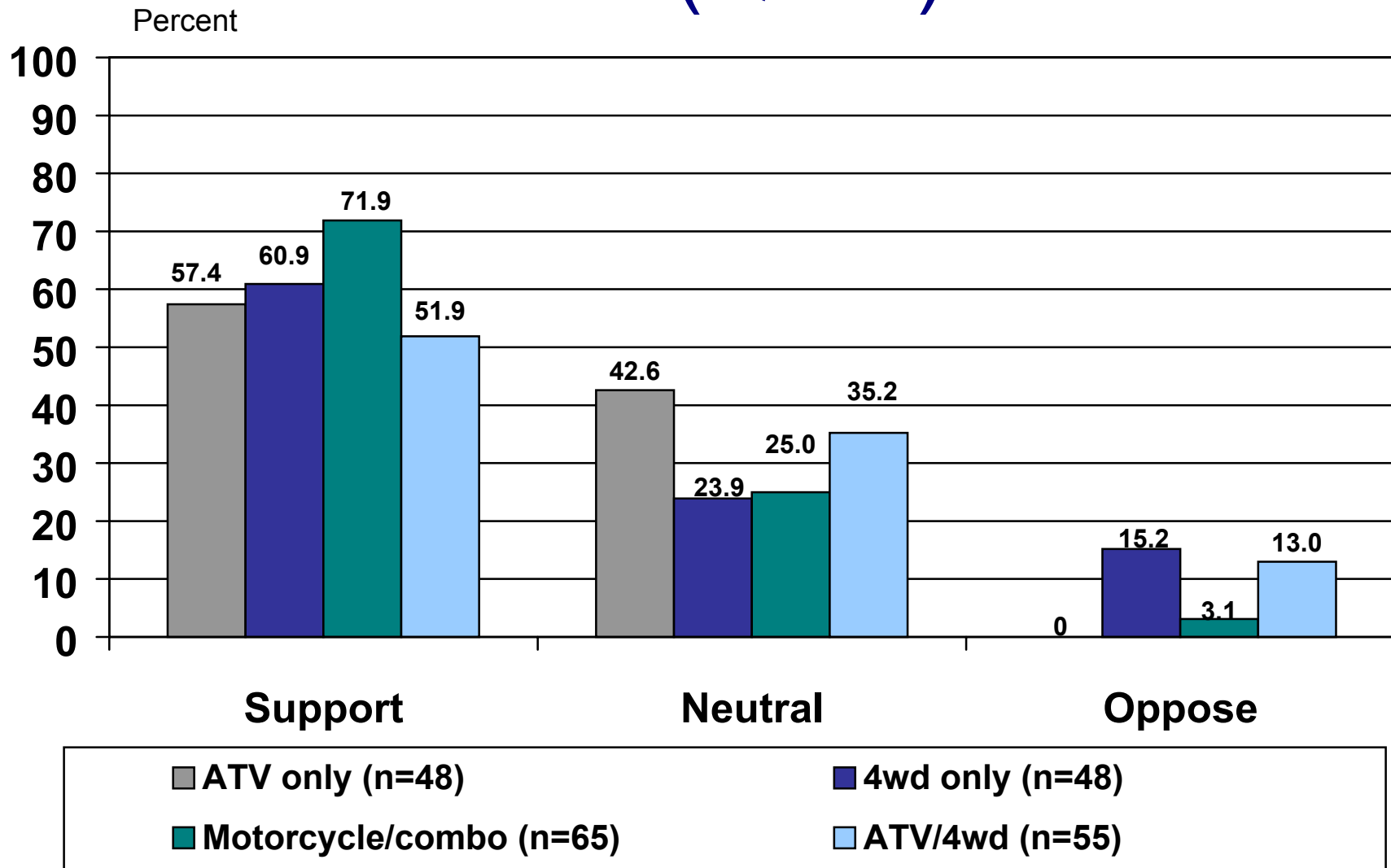


# Graph D3.3 - Provide Long, Overnight Riding Opportunities (Q29c)



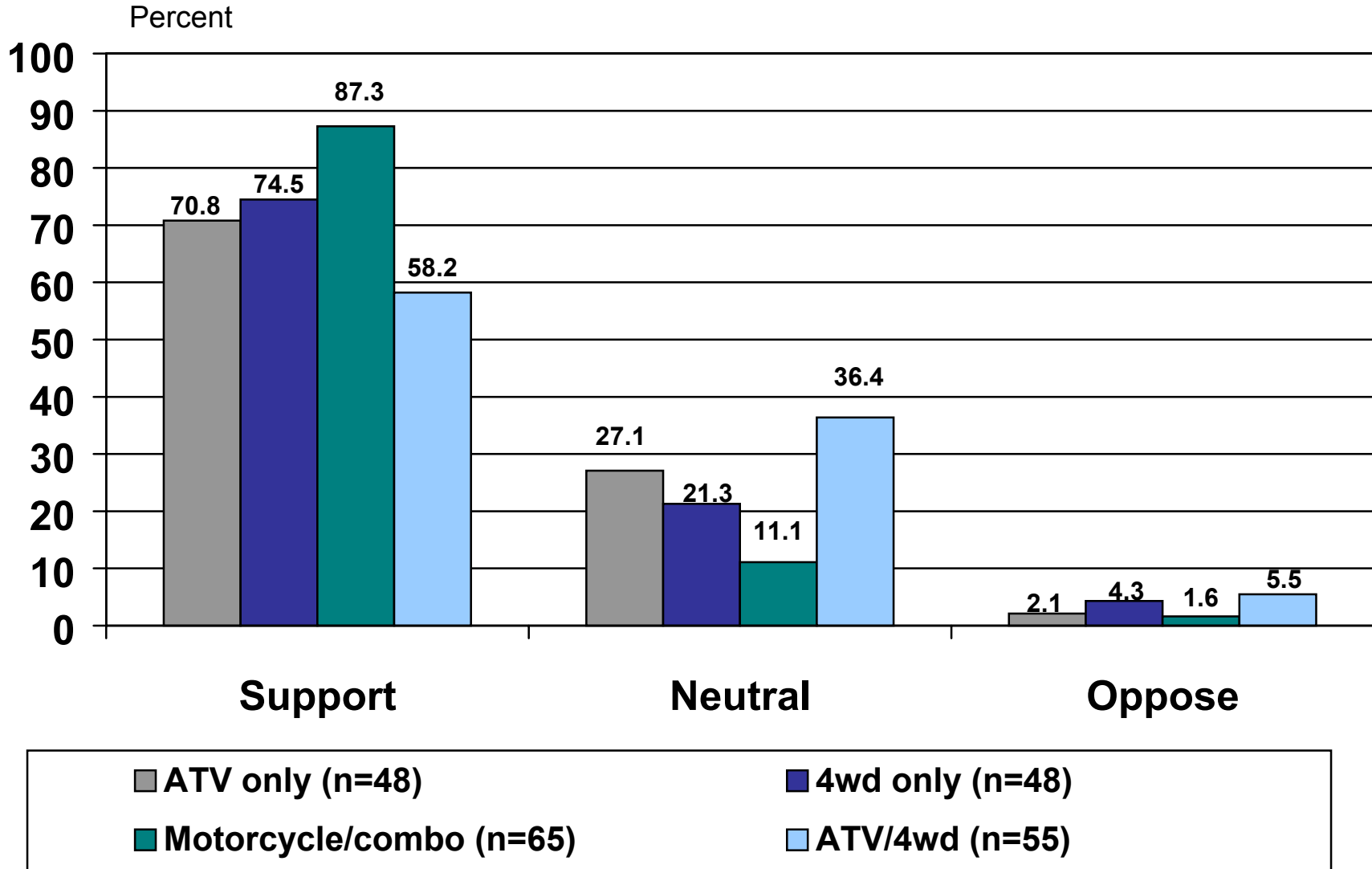


# Graph D3.4 - Provide OHV Play Areas (Q29d)



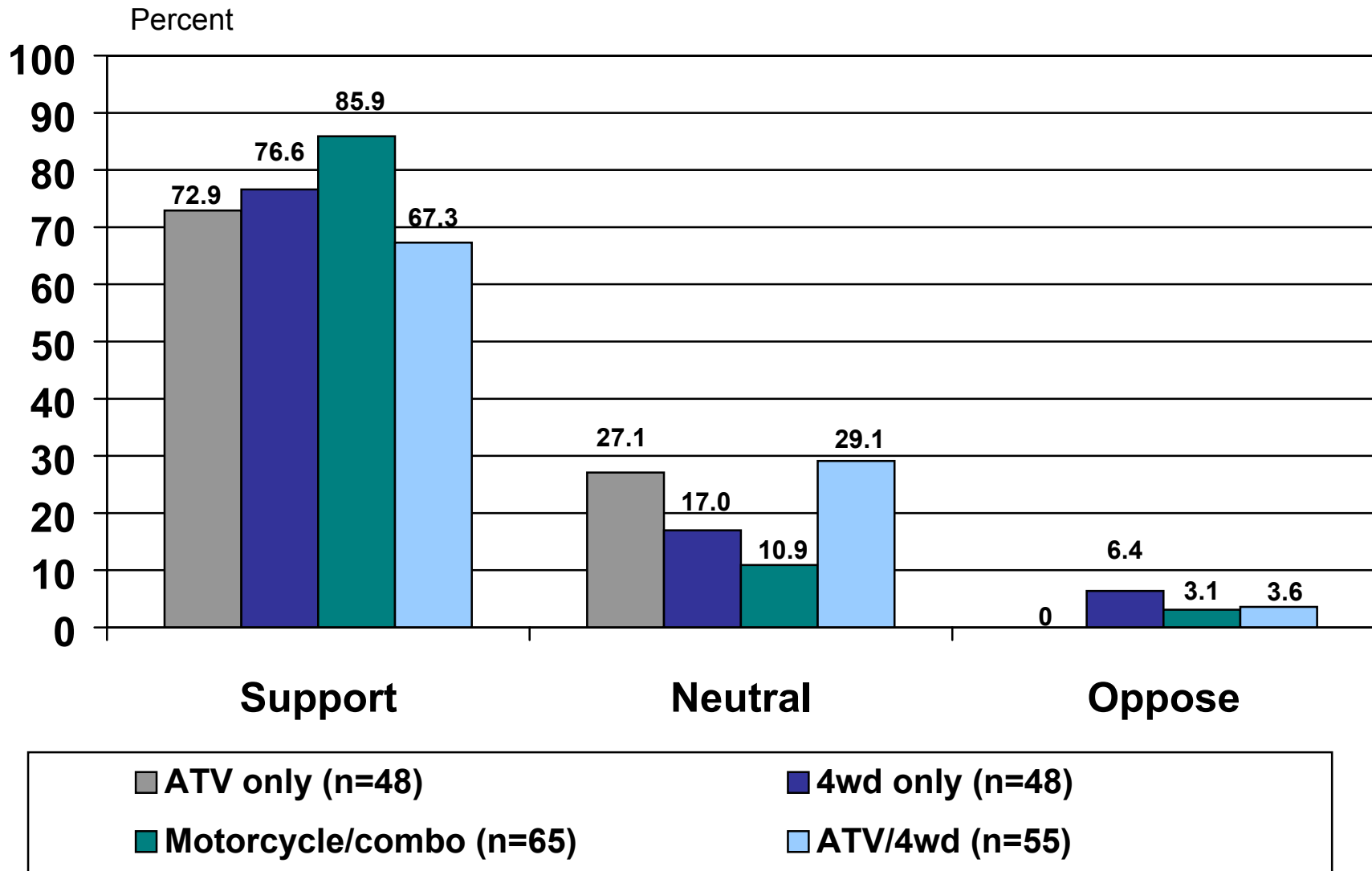
p < .05

# Graph D3.5 - Provide Signs Indicating Trail Length (Q29e)

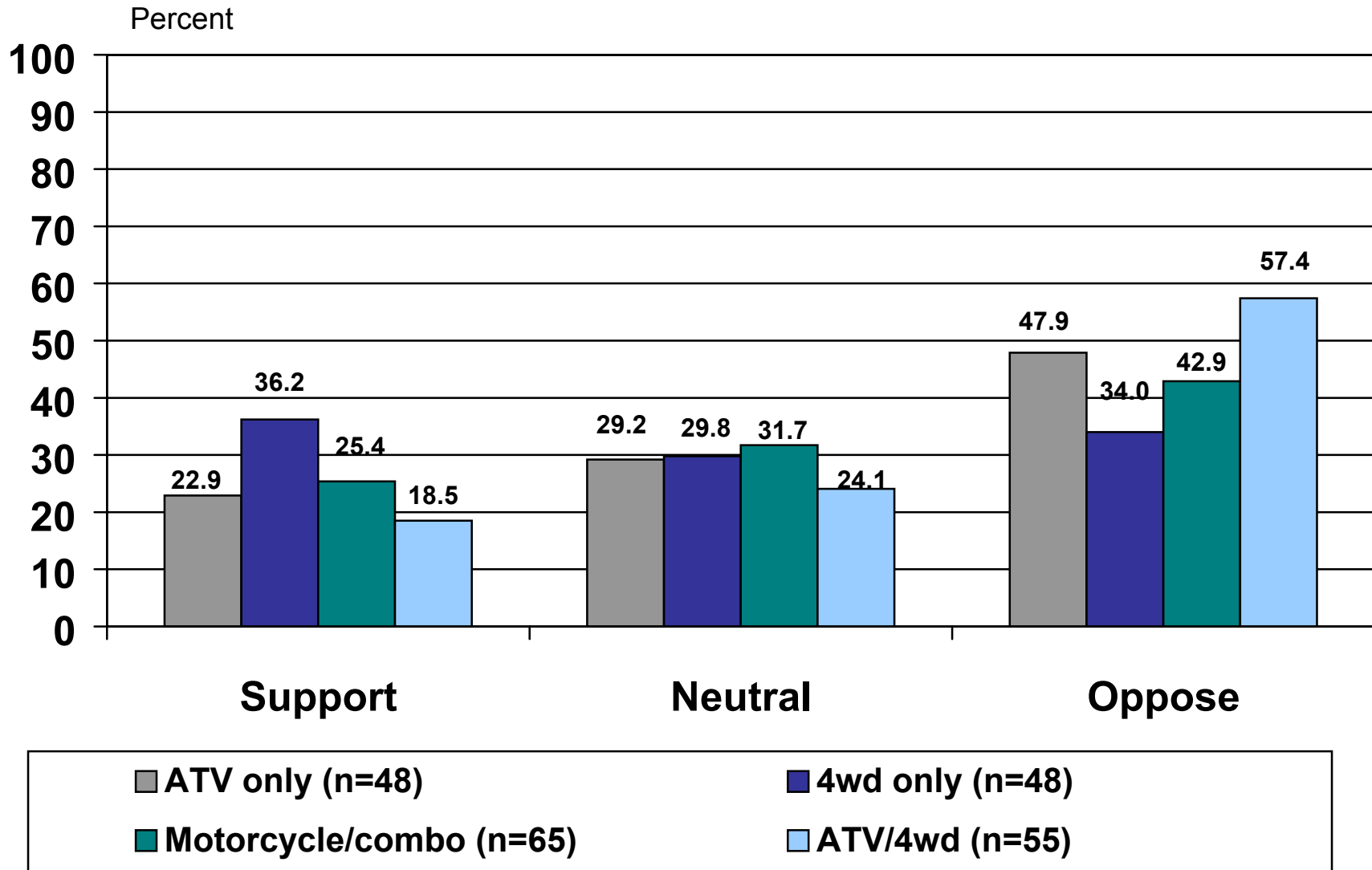


p < .05

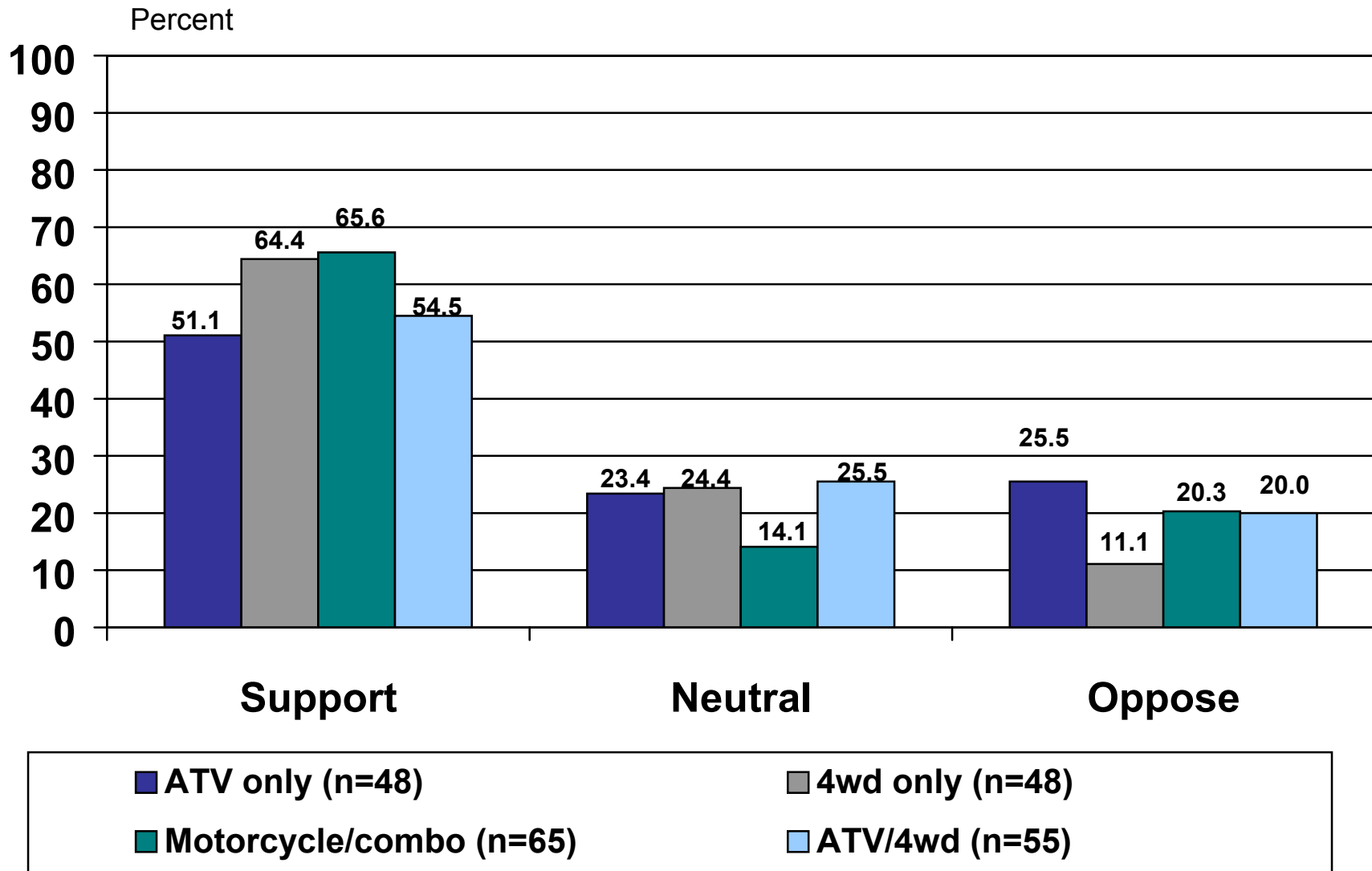
# Graph D3.6 - Provide Signs Indicating Level of Difficulty (Q29f)



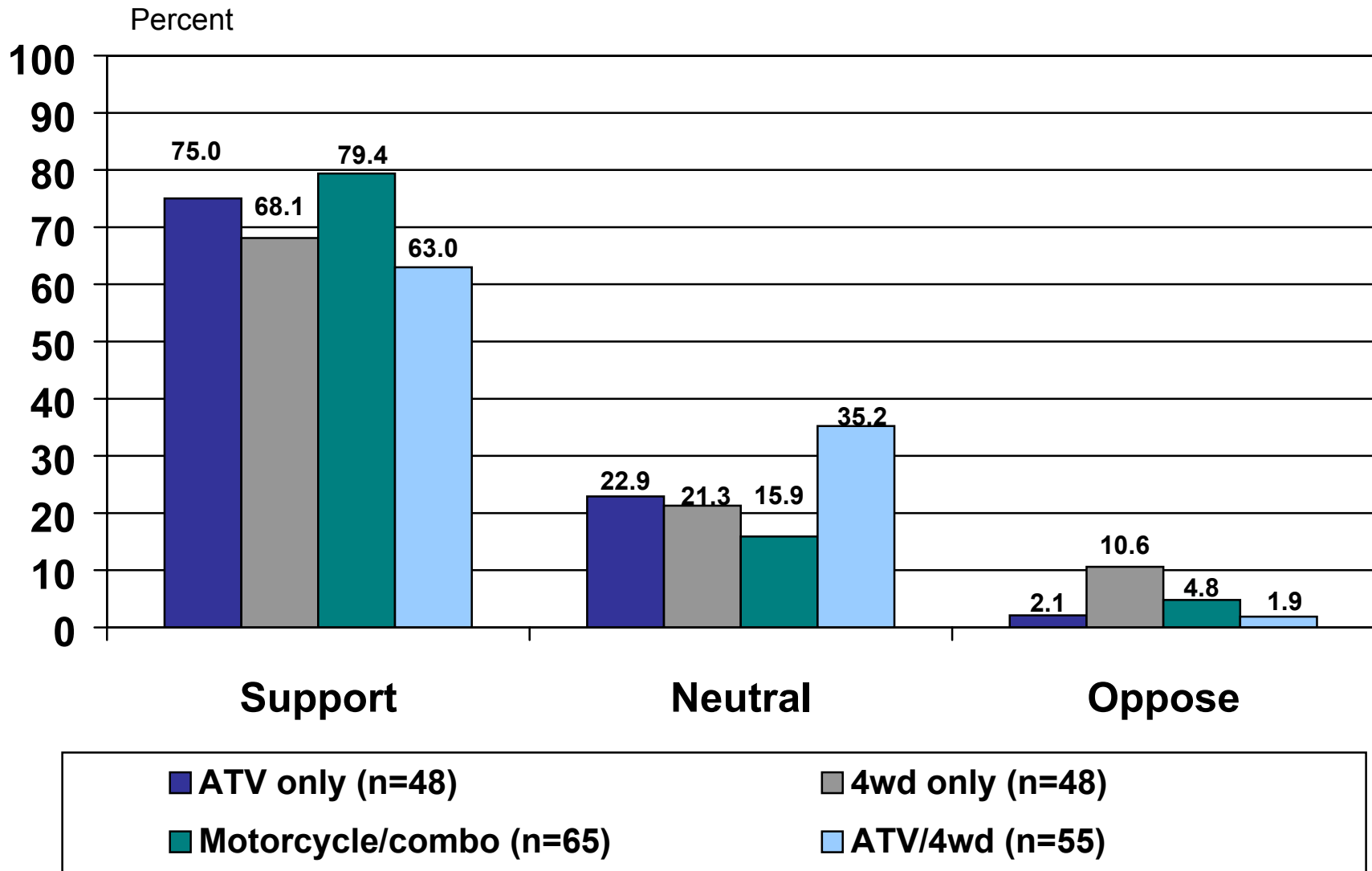
# Graph D3.7 - Require All OHVs to be Licensed (Q29g)



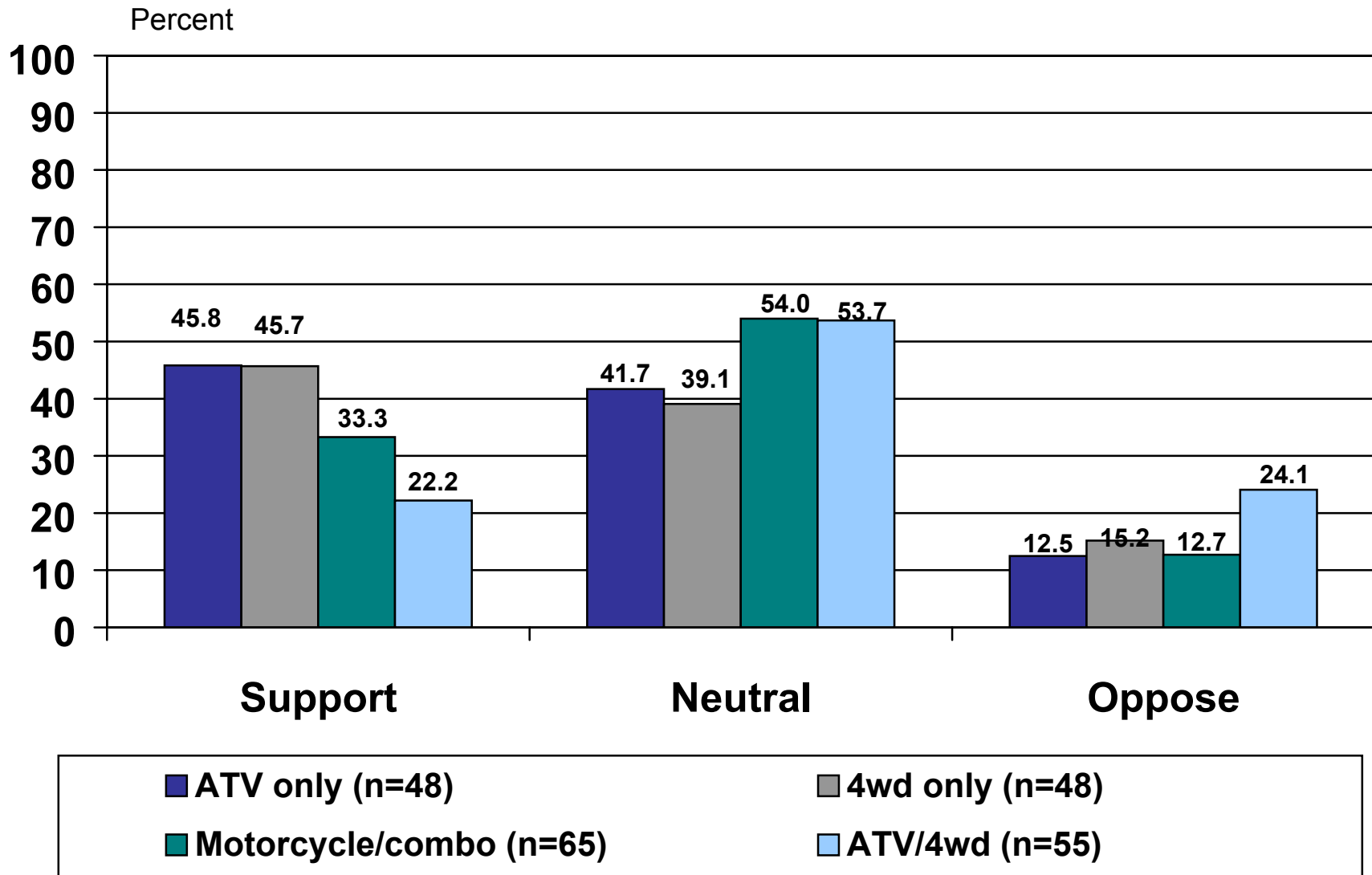
# Graph D3.8 - Use License Fees for OHV Program Management (Q29h)



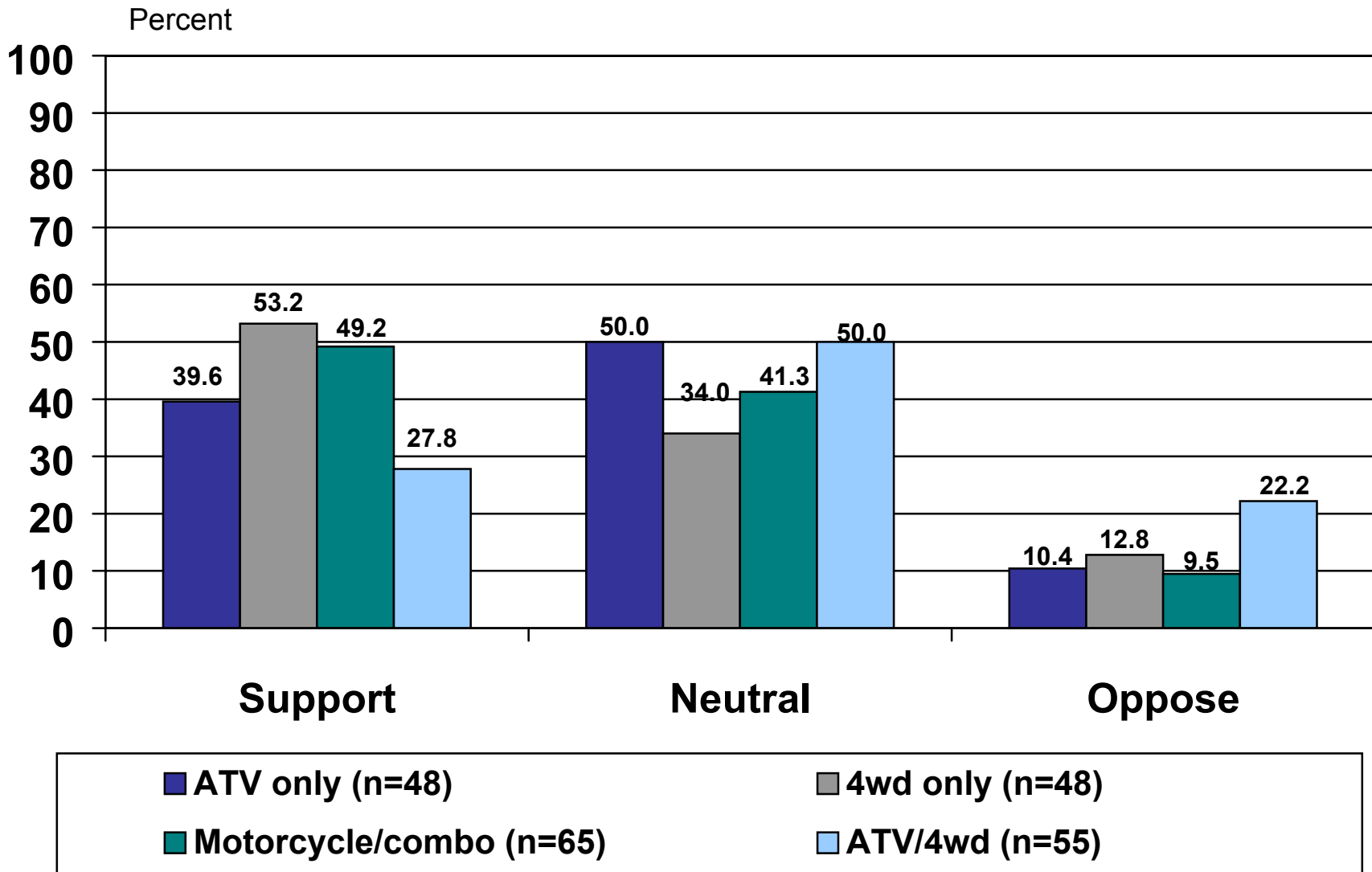
# Graph D3.9 - Provide Maps of Areas/Access Points (Q29i)



# Graph D3.10 - Provide More Ranger Patrols (Q29j)

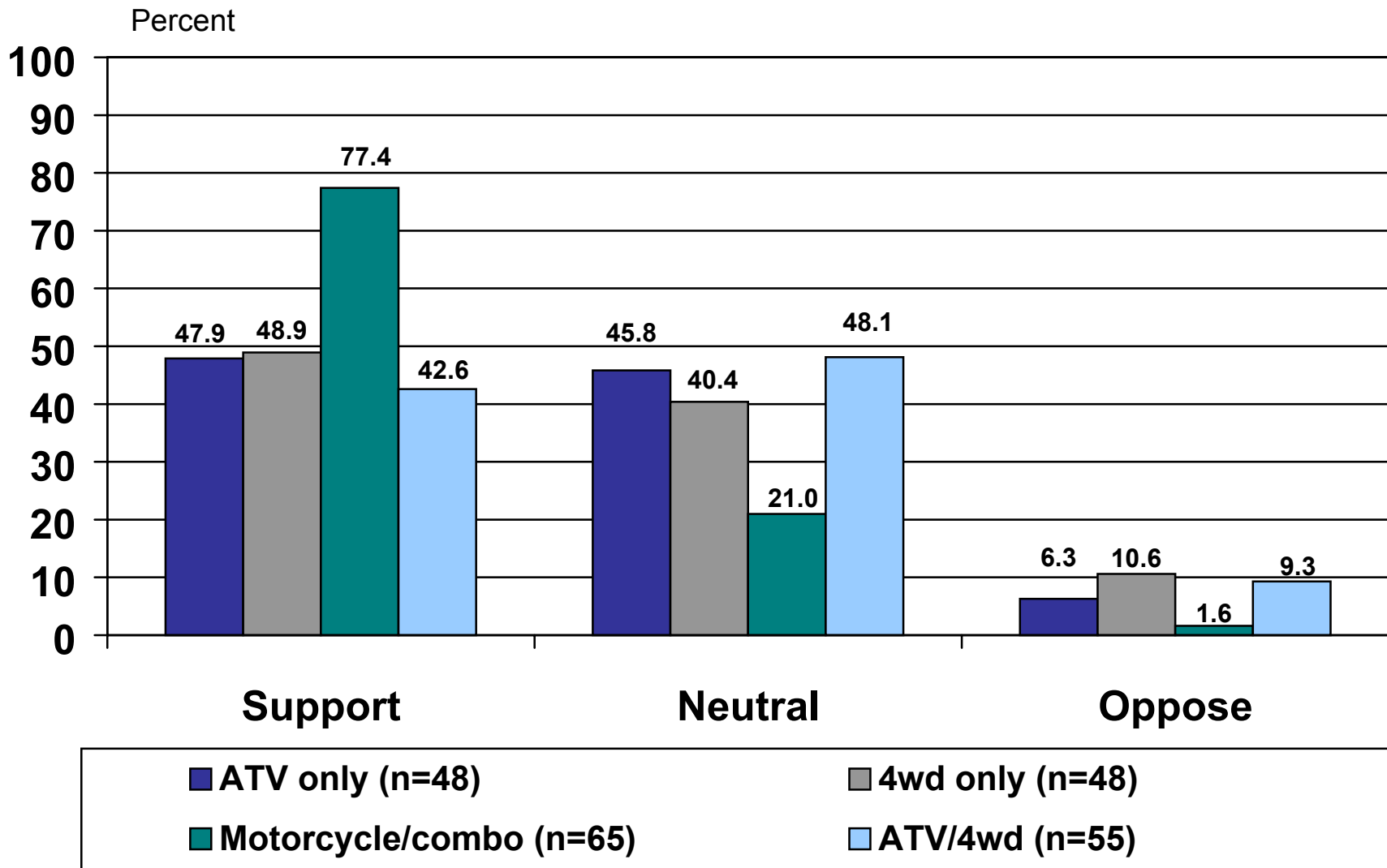


# Graph D3.11 - Provide for Patrol of Areas by Local OHV Clubs (Q29k)



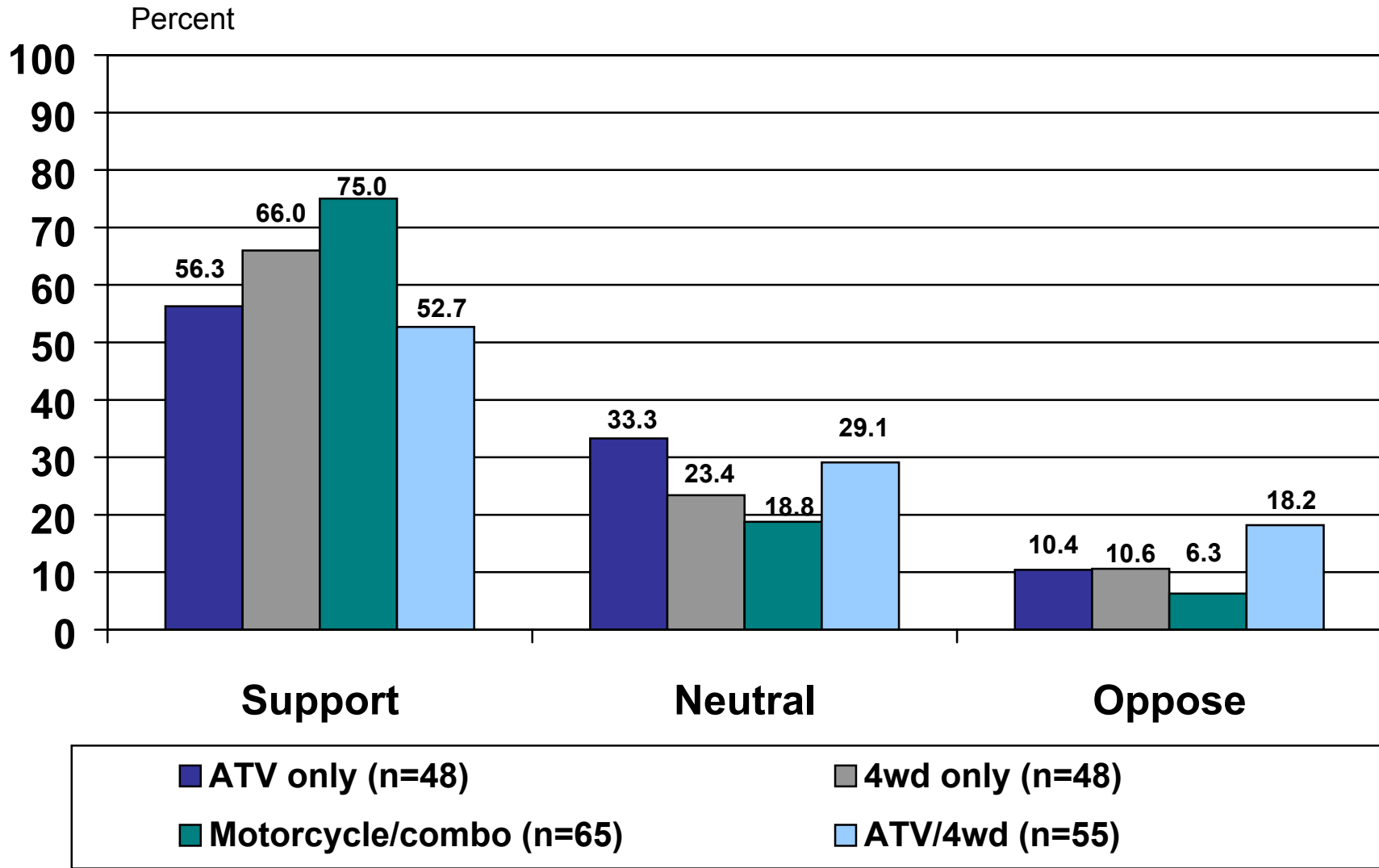


# Graph D3.12 - Improve Maintenance of OHV Areas (Q29I)

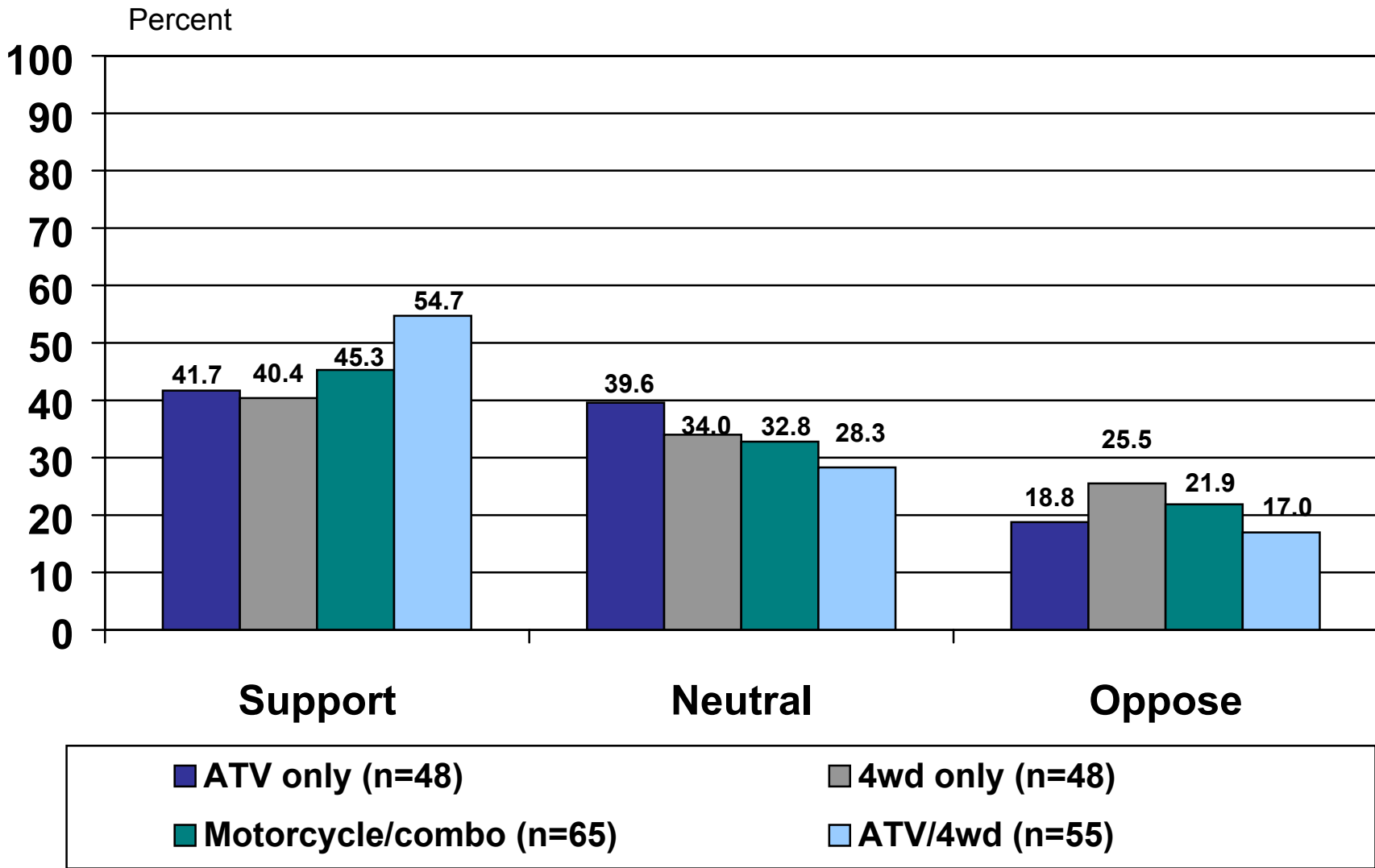


p < .05

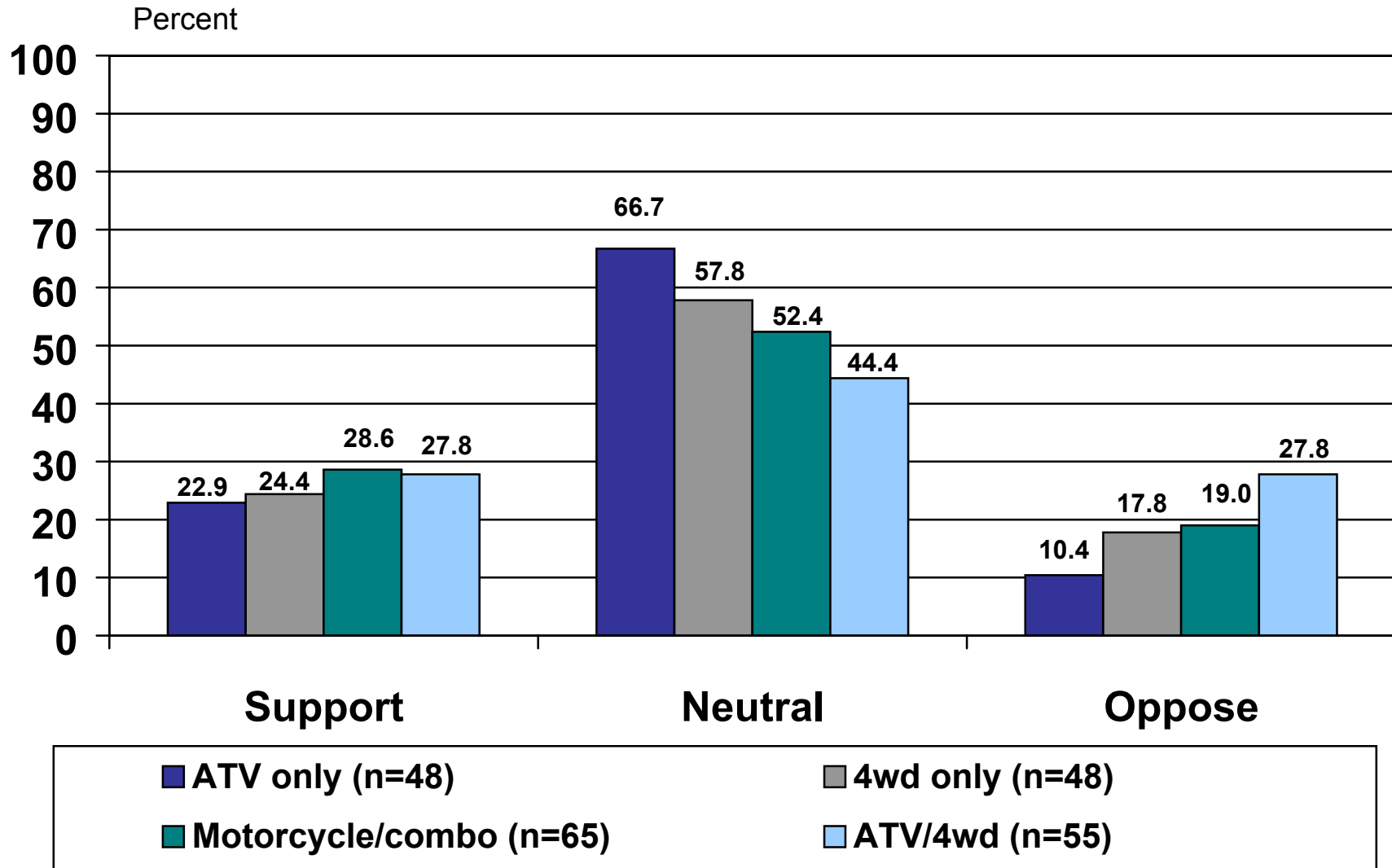
# Graph D3.13 - Collect Fee From OHV Users for OHV Opportunities (Q29m)



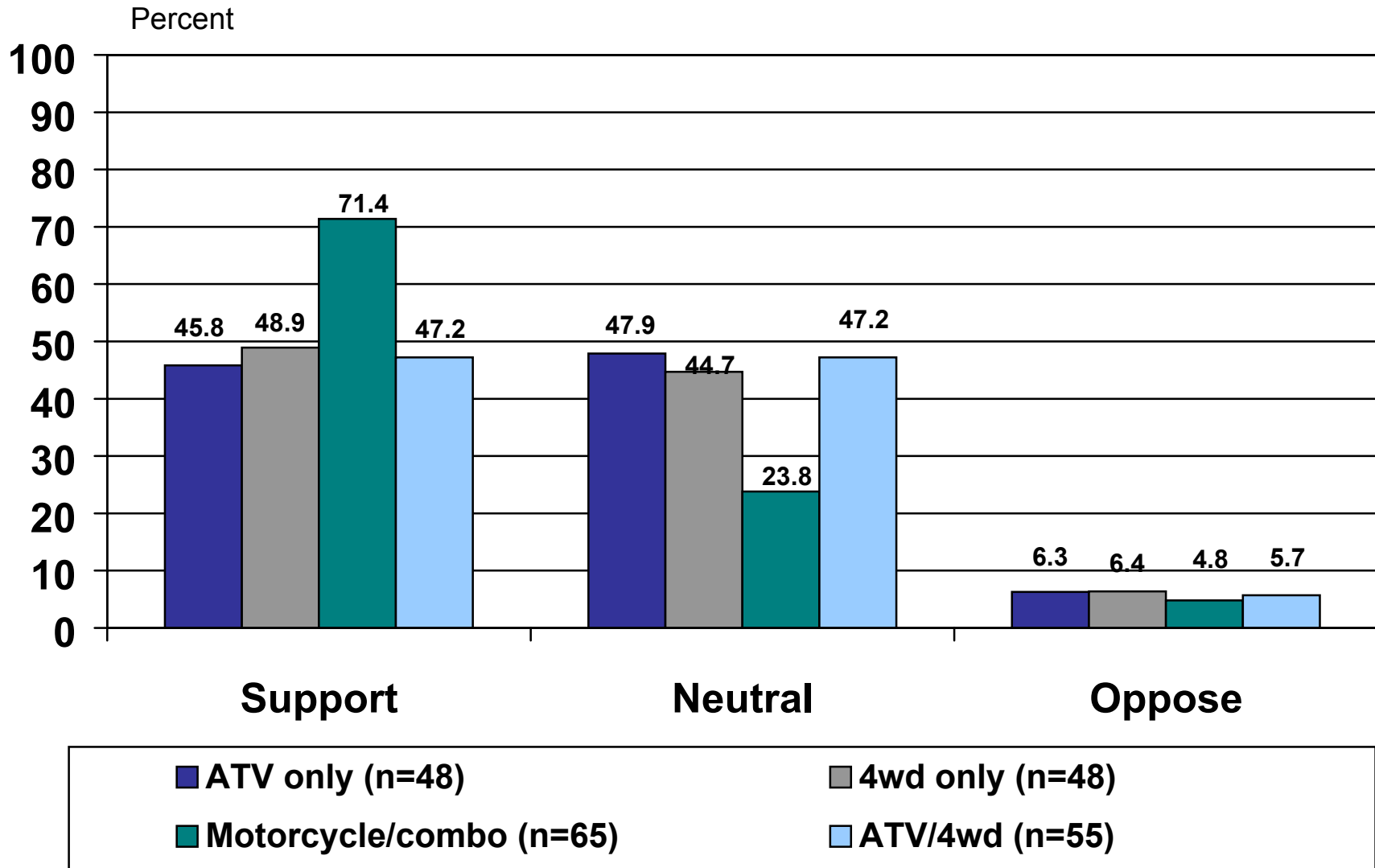
# Graph D3.14 - OHV Use on Public Land Should be Free (Q29n)



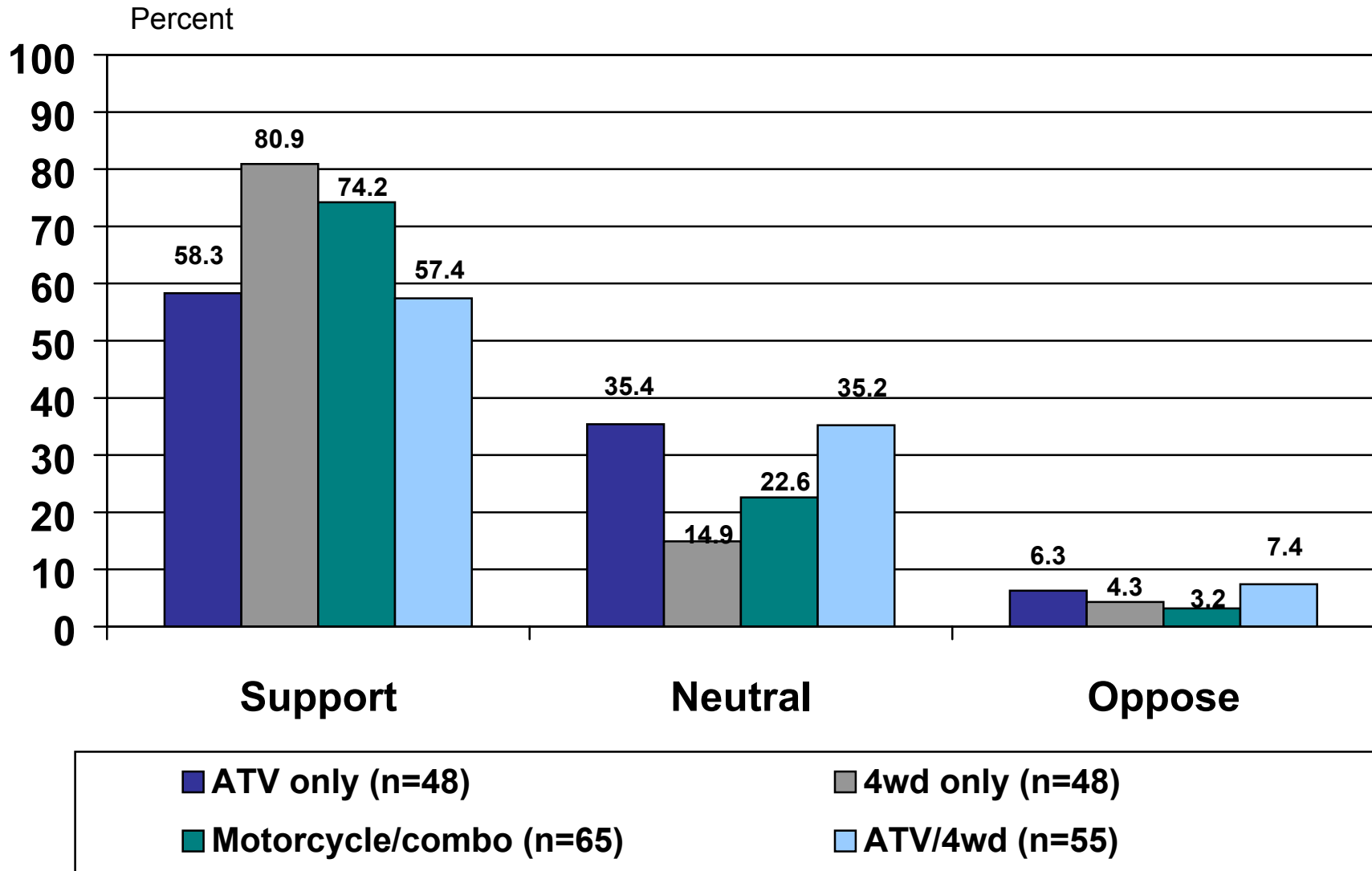
# Graph D3.15 - Provide OHV Loading Ramps at Parking Lot Access Points (Q29o)



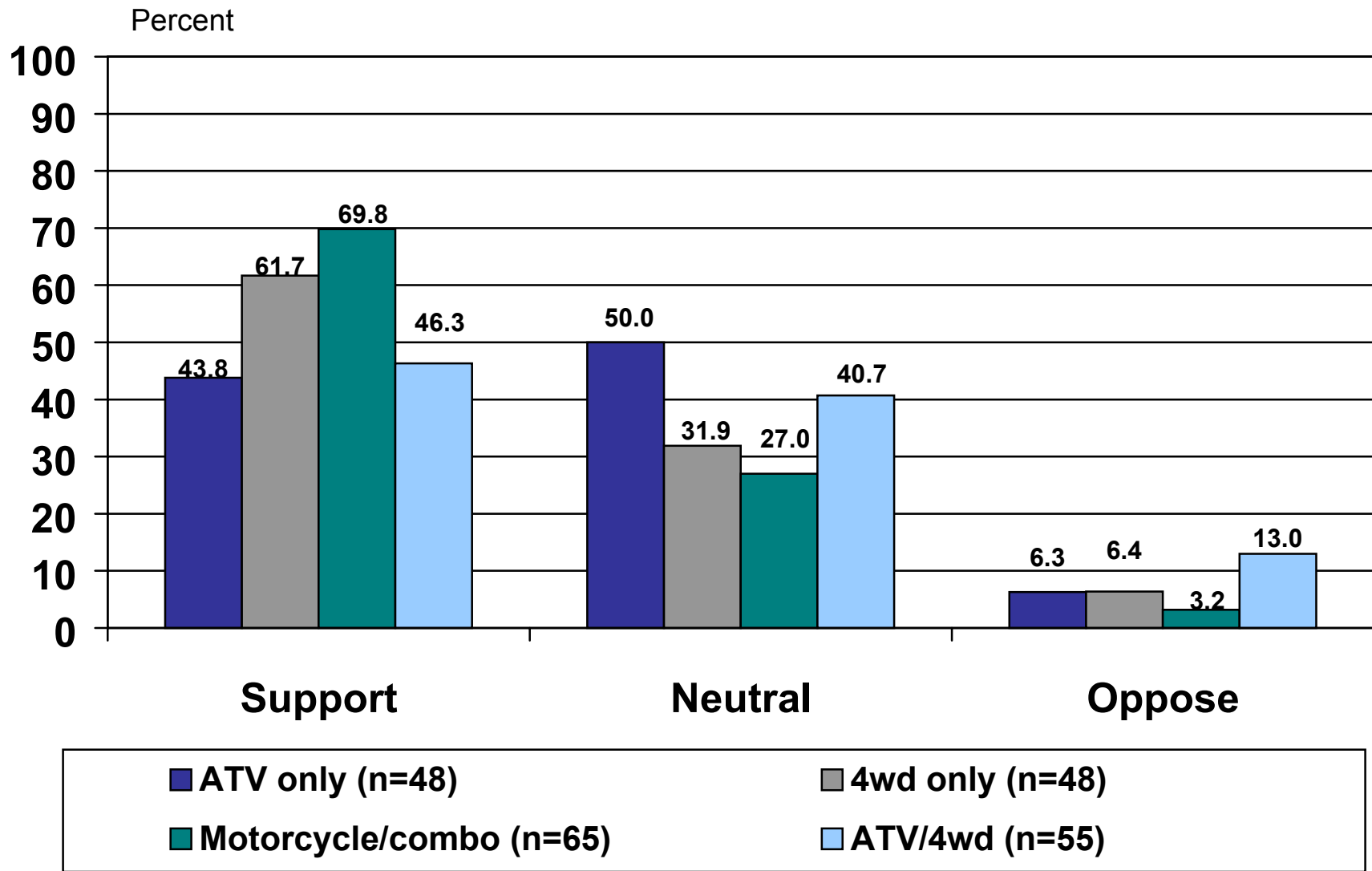
# Graph D3.16 - Provide Parking Lots for OHV Support Vehicles (Q29p)



# Graph D3.17 - Permit Primitive Camping Along Long Distance OHV Trails (Q29q)



# Graph D3.18 - Develop Additional Campsites for OHV Users (Q29r)



p < .05

**Table D3.19 - Summary of Level of Support for Specific Management Actions**

**Q29 Below is a list of specific management actions that might be taken to increase OHV opportunities and experiences in Tennessee. Please keep in mind that some management actions will cost more than others.**

(Scale: 1 = Strongly oppose; 2 = Somewhat oppose; 3 = Neutral; 4 = Somewhat support; 5 = Strongly support)

Mean Score	ATV only (n=48)	4wd only (n=47)	Motorcycle/ Combo (n=64)	ATV/4wd (n=55)
Provide safe drinking water at OHV access points	3.72	3.55	4.00	3.56
Provide toilet facilities at OHV access points	4.13	3.89	4.27	3.81
Provide long distance, overnight OHV riding opportunities	3.98	3.97	4.14	4.09
Provide OHV play areas	4.13	3.90	4.37 <sup>a</sup>	3.75 <sup>a</sup>
Provide signs at trailheads and trail junctions indicating trail length	4.39	4.42	4.71 <sup>a</sup>	4.05 <sup>a</sup>
Provide signs at trailheads and trail junctions indicating level of difficulty of trail	4.44	4.43	4.66	4.30
Require that all OHVs be licensed	2.49	3.03	2.67	2.24
Use all OHV license fees for an OHV program and management	3.51	4.07	3.93	3.71
Provide maps of OHV areas and trails at access points	4.44	4.18	4.50	4.21
Provide more ranger patrols at OHV areas	3.66 <sup>a</sup>	3.61	3.41	2.95 <sup>a</sup>
Provide for patrol of OHV areas by local OHV clubs	3.57	3.81 <sup>a</sup>	3.79 <sup>b</sup>	3.08 <sup>ab</sup>
Improve the maintenance of OHV areas and trails	3.86 <sup>a</sup>	3.79 <sup>b</sup>	4.50 <sup>abc</sup>	3.66 <sup>c</sup>
Collect a nominal fee from OHV users to support the provision and management of OHV opportunities	3.89	4.12	4.38 <sup>a</sup>	3.68 <sup>a</sup>
OHV use on public land should be free	3.46	3.29	3.46	3.74

<sup>abc</sup> Significant difference (p < .05)



**Table D3.19 (cont.) - Summary of Level of Support for Specific Management Actions**

**Q29 Below is a list of specific management actions that might be taken to increase OHV opportunities and experiences in Tennessee. Please keep in mind that some management actions will cost more than others.**

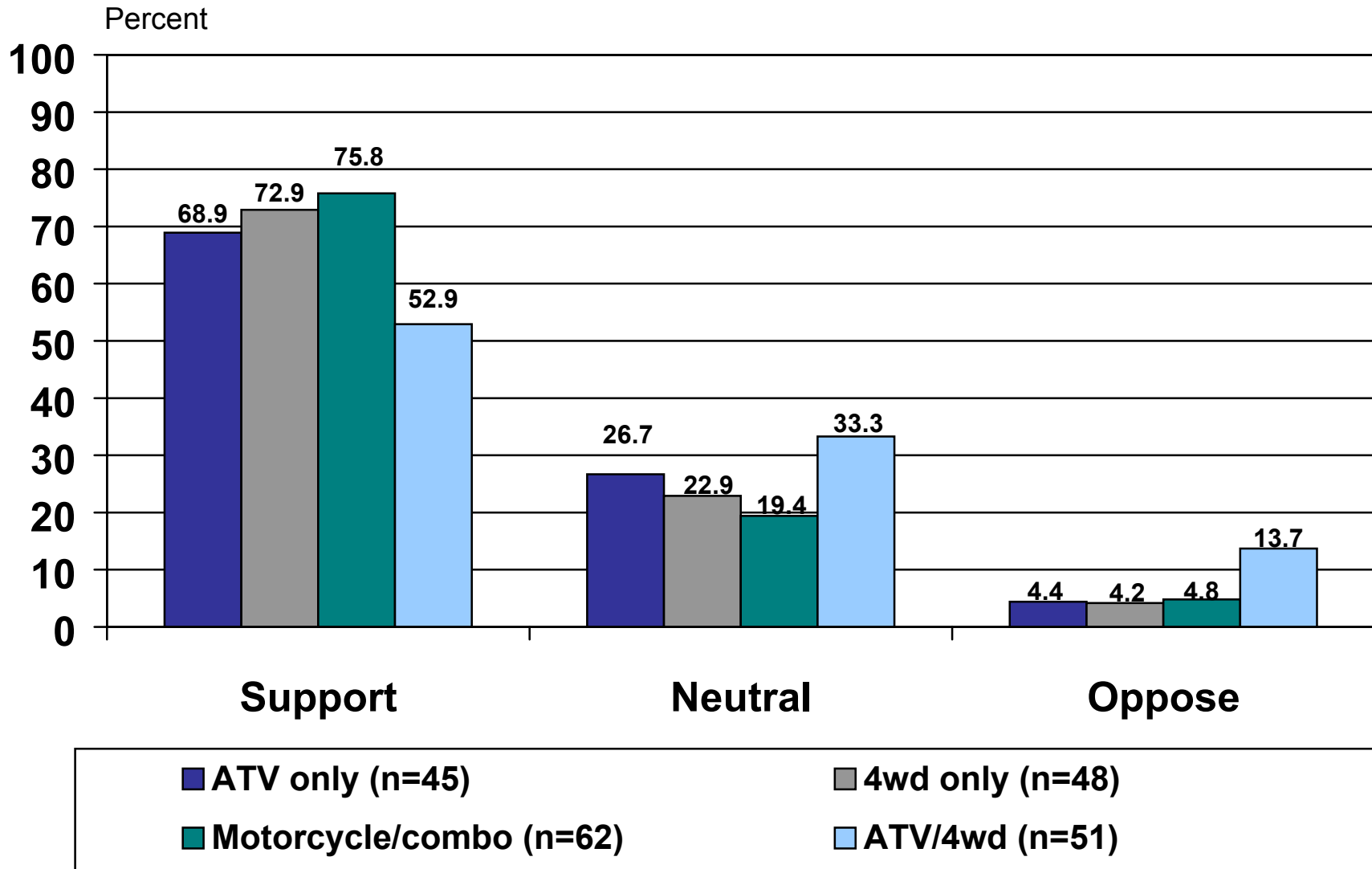
(Scale: 1 = Strongly oppose; 2 = Somewhat oppose; 3 = Neutral; 4 = Somewhat support; 5 = Strongly support)

Mean Score	ATV only (n=48)	4wd only (n=47)	Motorcycle/ Combo (n=64)	ATV/4wd (n=55)
Provide OHV loading ramps at parking lot access points	3.25	3.12	3.18	2.99
Provide parking lots for OHV support vehicles at access points	3.81	3.86	4.33	3.82
Permit primitive camping at appropriate places along long distance OHV trails	4.05	4.56 <sup>a</sup>	4.41	3.97 <sup>a</sup>
Develop additional campsites designed specifically for OHV users	3.76	4.14	4.35 <sup>a</sup>	3.67 <sup>a</sup>

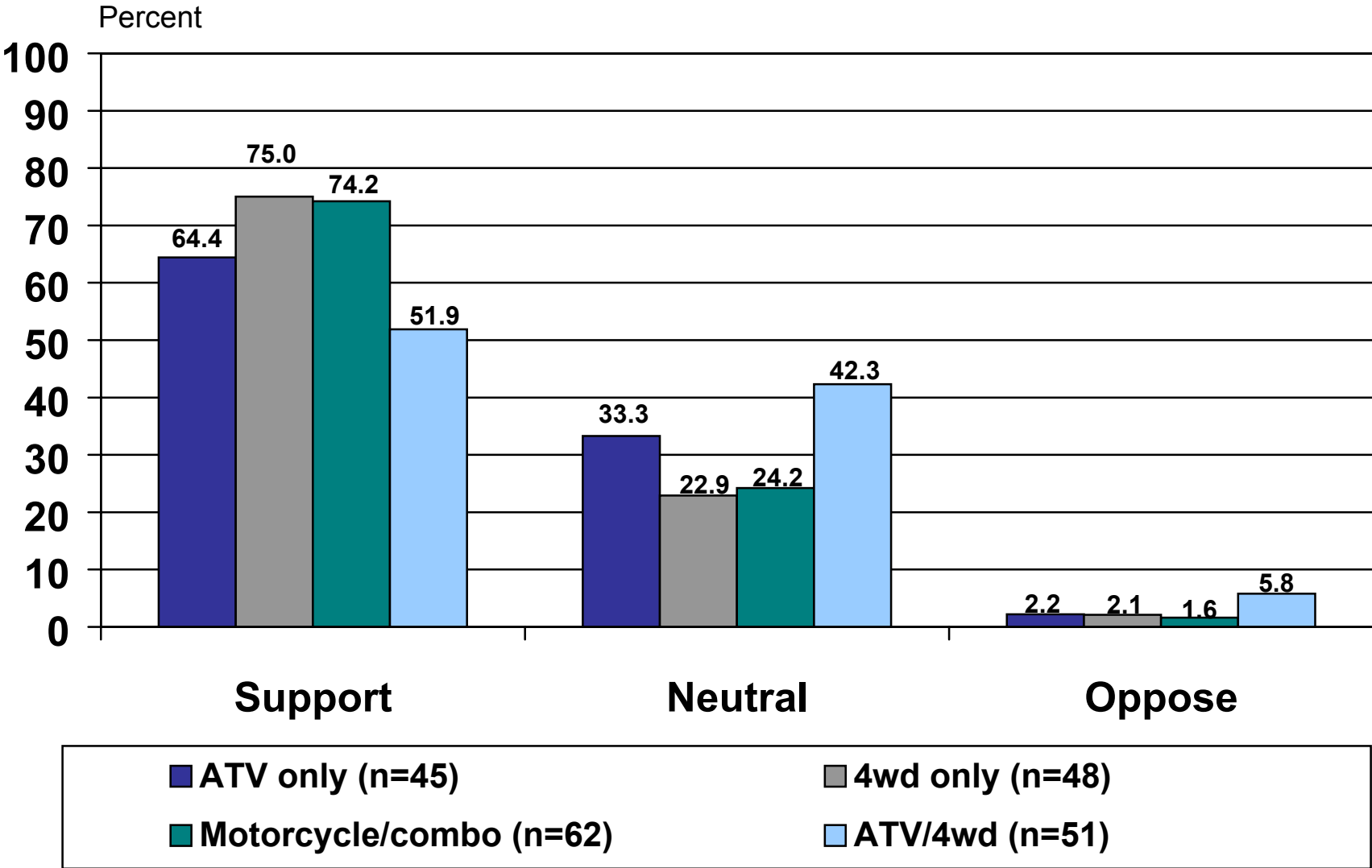
<sup>abc</sup> Significant difference (p < .05)

## **D.4 Possible Management Actions to Reduce Visitor Conflicts and Some Environmental Impacts**

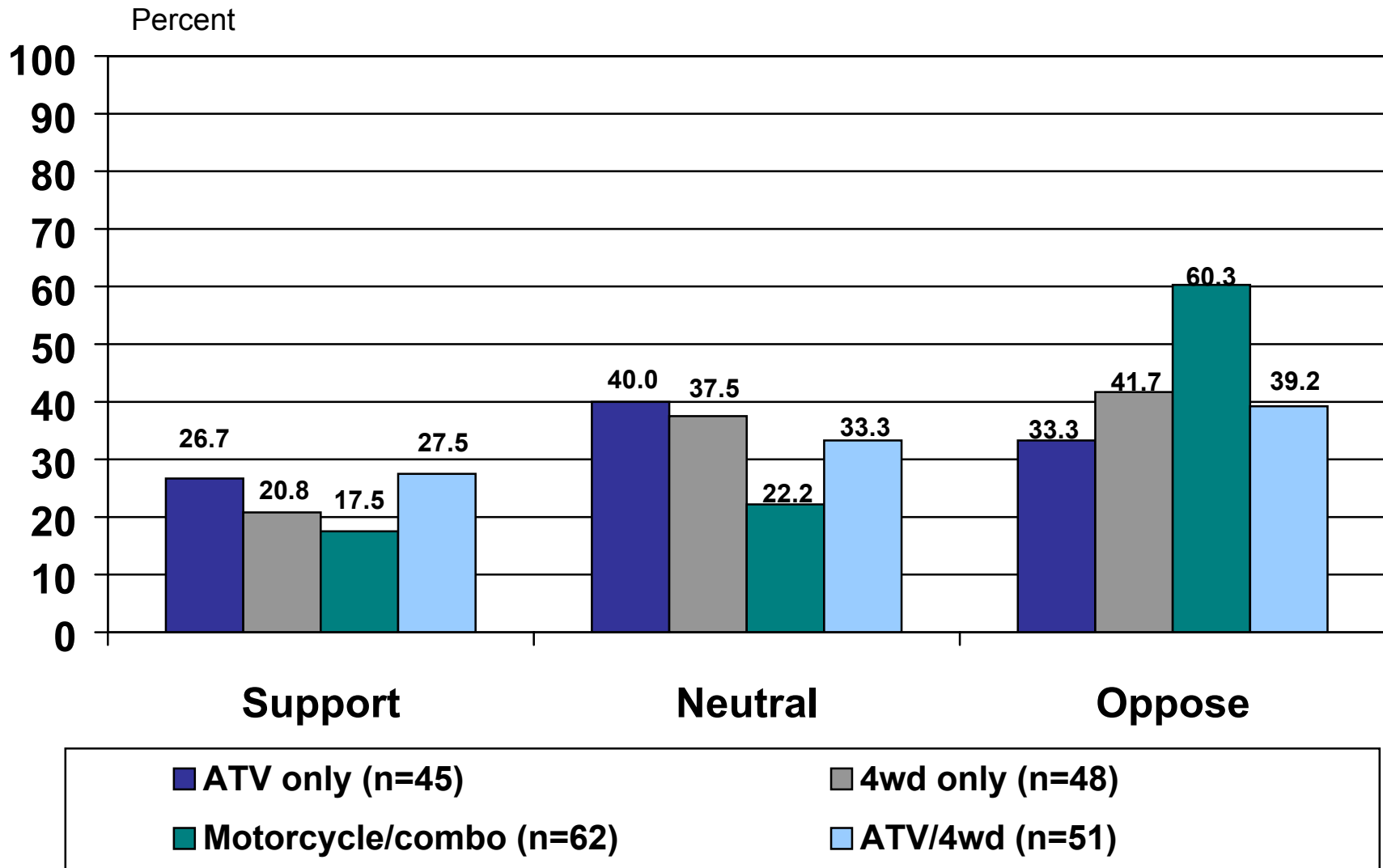
# Graph D4.1 - Accommodate Use on Designated Routes (Q34)



# Graph D4.2 - Educate Visitors on Low Impact Practices (Q34)

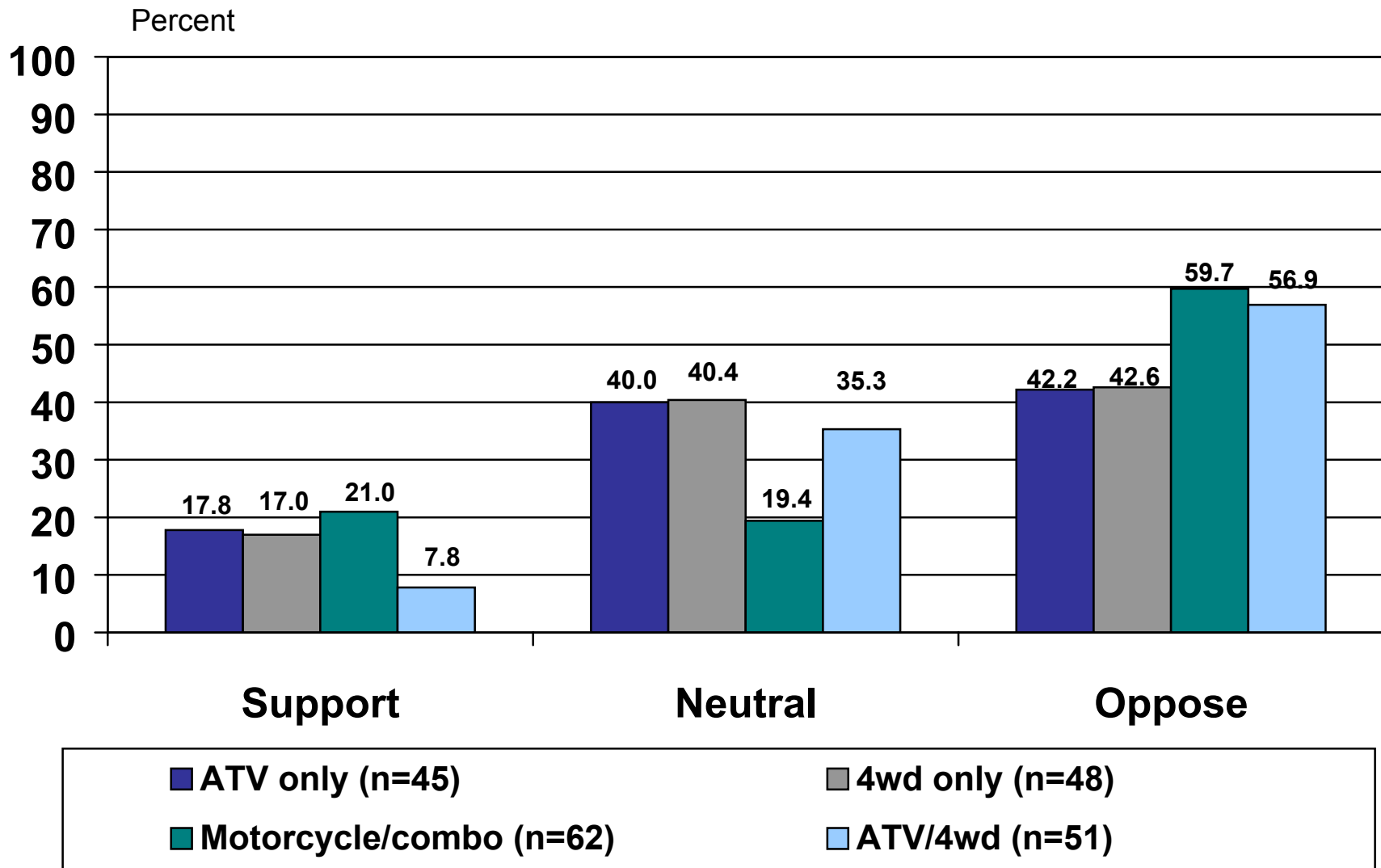


# Graph D4.3 - Reduce OHV User Numbers in Recreation Areas (Q34)

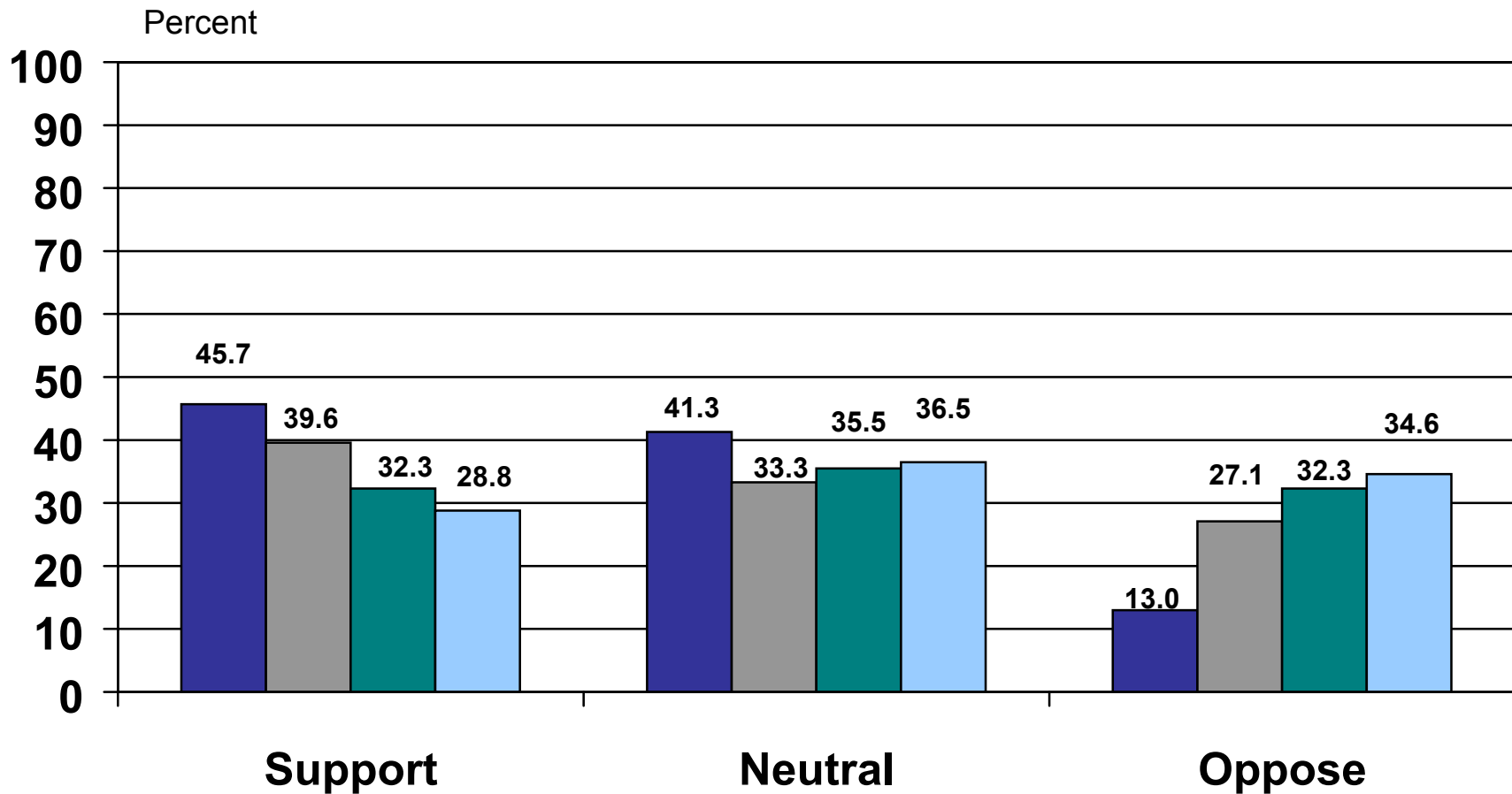


p < .05

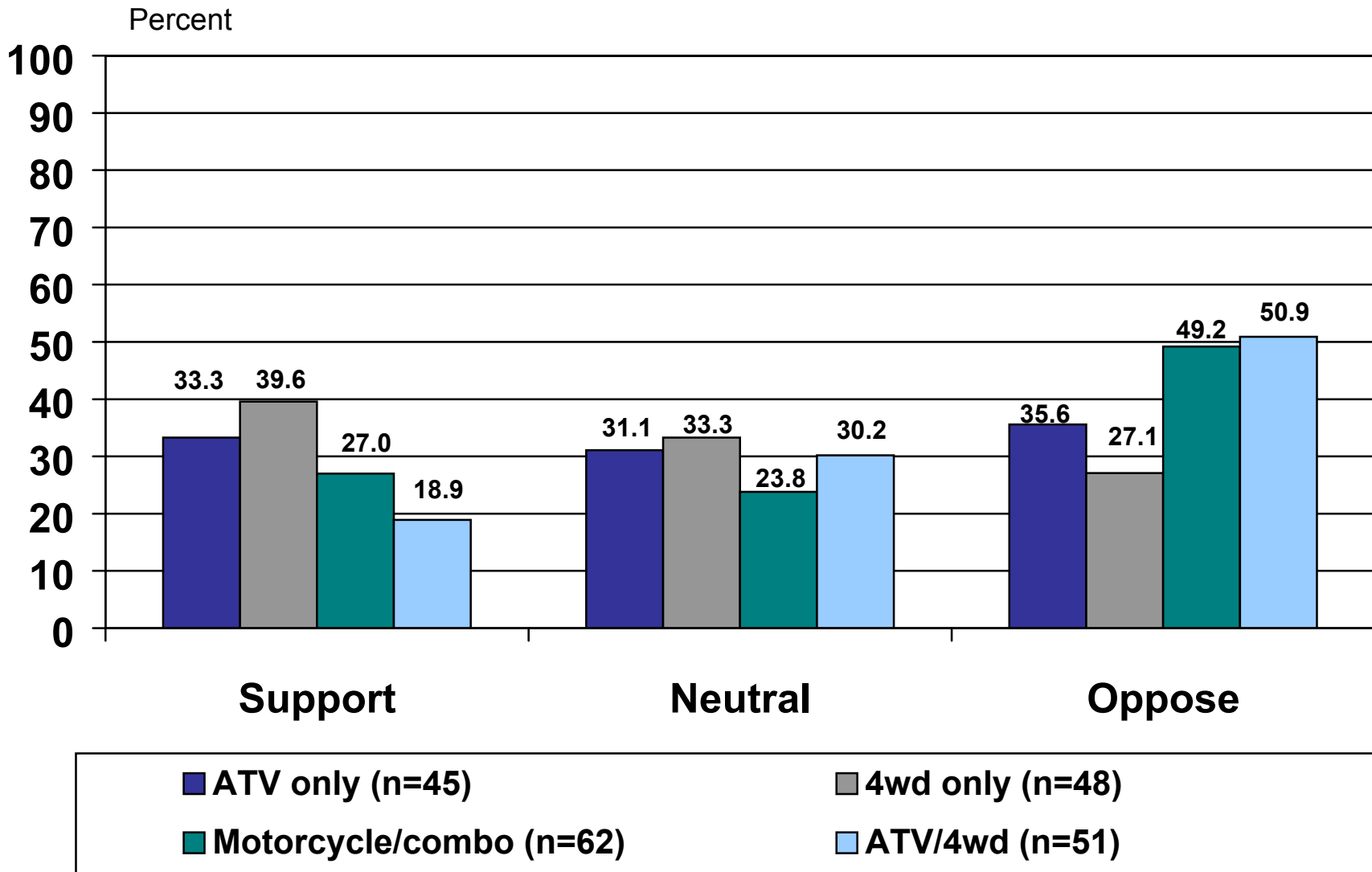
# Graph D4.4 - Modify OHV's to Reduce Impact (Q34)



# Graph D4.5 - Influence Where OHV Visitors Go (Q34)

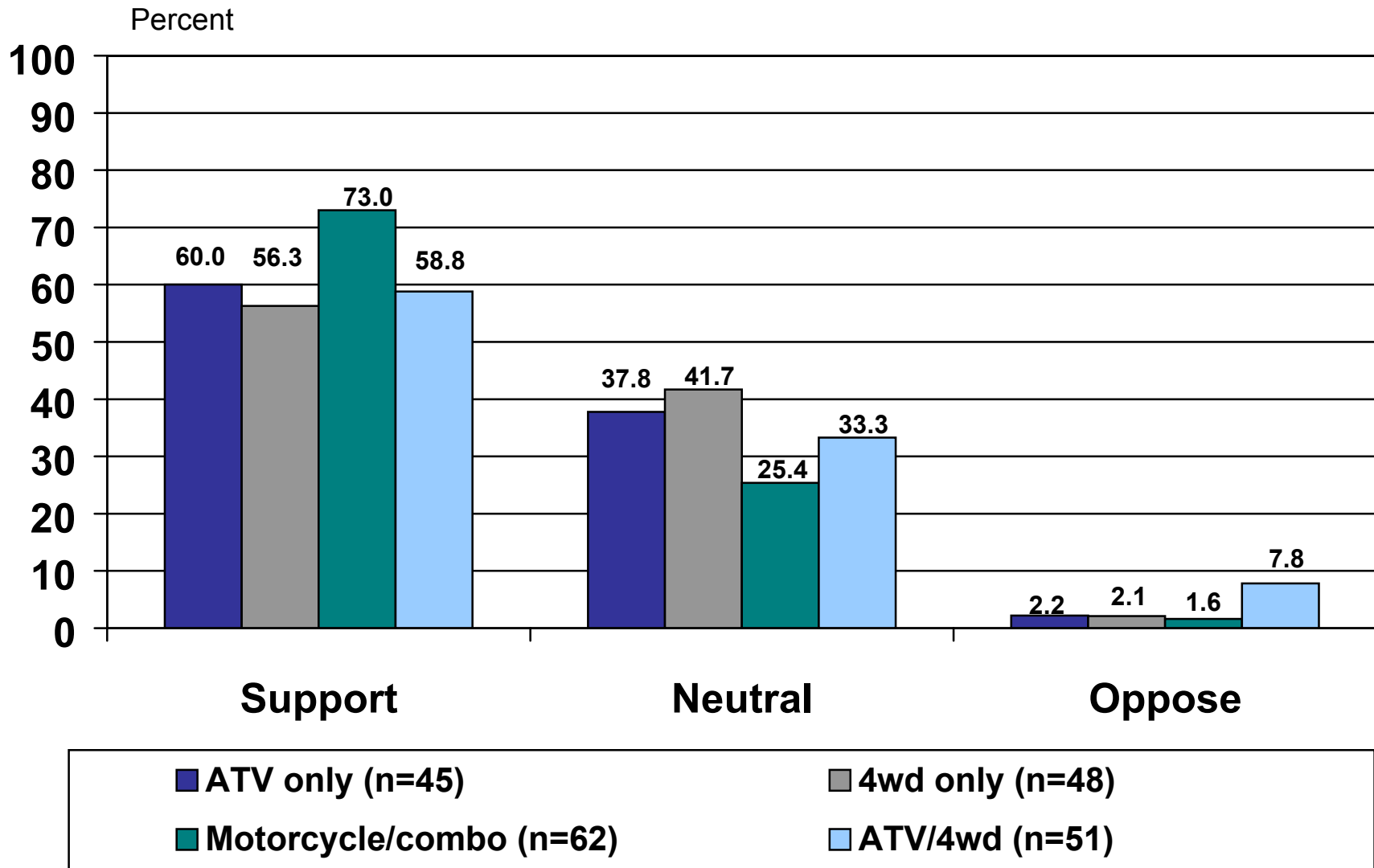


# Graph D4.6 - Influence Time of OHV Visitor Use (Q34)





# Graph D4.7 - OHV Users Meet with Recreation Management Staff (Q34)



**Table D4.8 - Summary of Level of Support for Specific Management Actions**

**Q34 Below is a list of management actions that have been taken in other recreation areas to reduce visitor conflicts and some environmental impacts. For each management action, please indicate your level of support or opposition.**

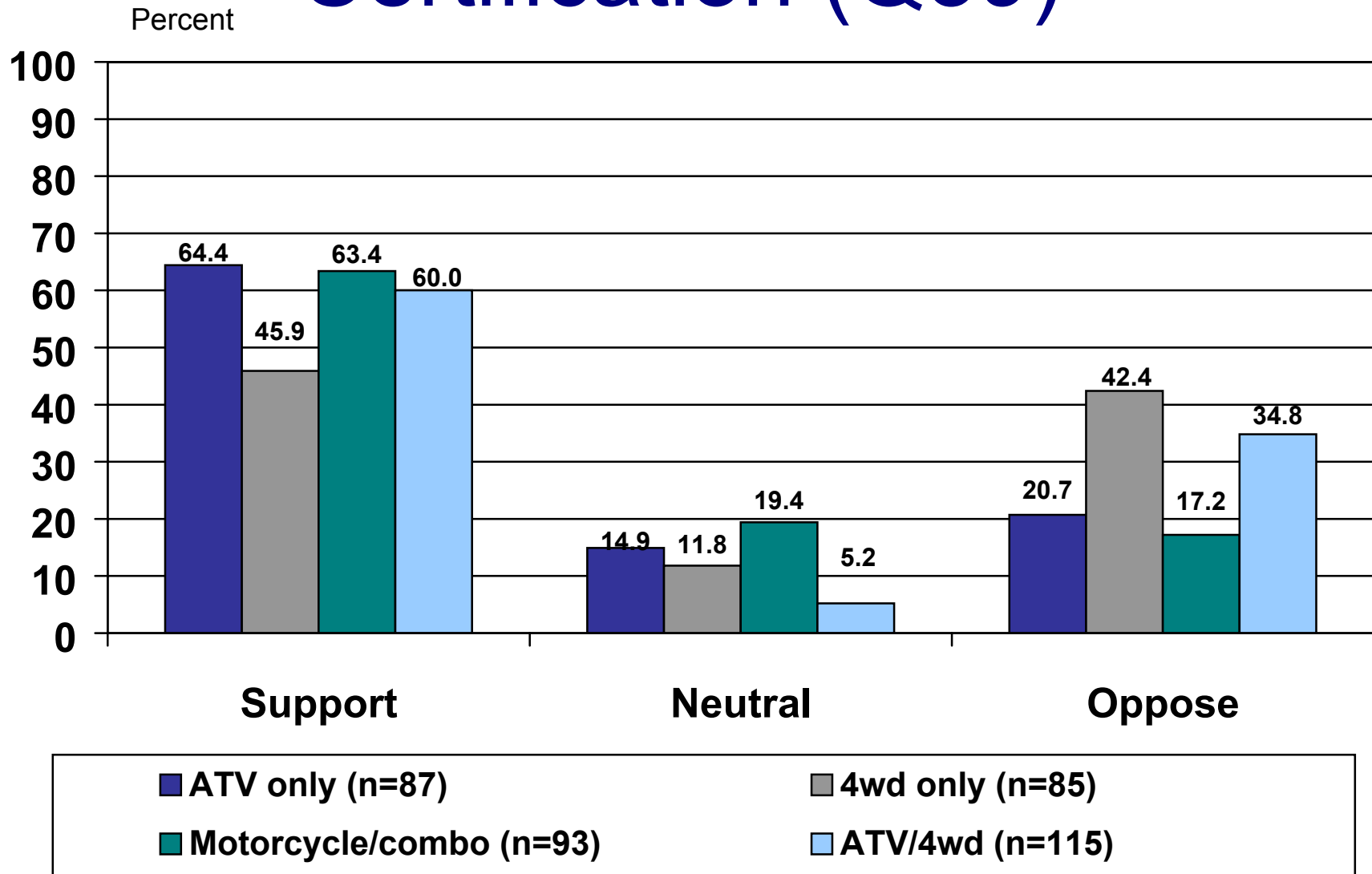
(Scale: 1 = Strongly oppose; 2 = Somewhat oppose; 3 = Neutral; 4 = Somewhat support; 5 = Strongly support)

Mean Score	ATV only (n=45)	4wd only (n=48)	Motorcycle/ Combo (n=62)	ATV/4wd (n=52)
Accommodate OHV use on designated and maintained travel routes	3.87	4.08	4.17 <sup>a</sup>	3.64 <sup>a</sup>
Educate the visitor on low impact practices	3.87	4.10 <sup>a</sup>	4.12 <sup>b</sup>	3.60 <sup>ab</sup>
Reduce OHV user numbers in recreation areas	2.79	2.59	2.40	2.75
Modify OHV's design, weight, and/or size to reduce their impact	2.58	2.53	2.37	2.23
Influence where OHV visitors go	3.47	3.09	3.02	2.98
Influence time (e.g. season of the year) of OHV visitor use	2.93	3.05	2.61	2.58
Provide regular opportunities for OHV users to meet with recreation management staff about OHV management issues	3.74 <sup>a</sup>	3.75 <sup>b</sup>	4.32 <sup>abc</sup>	3.68 <sup>c</sup>

<sup>abc</sup> Significant difference (p < .05)

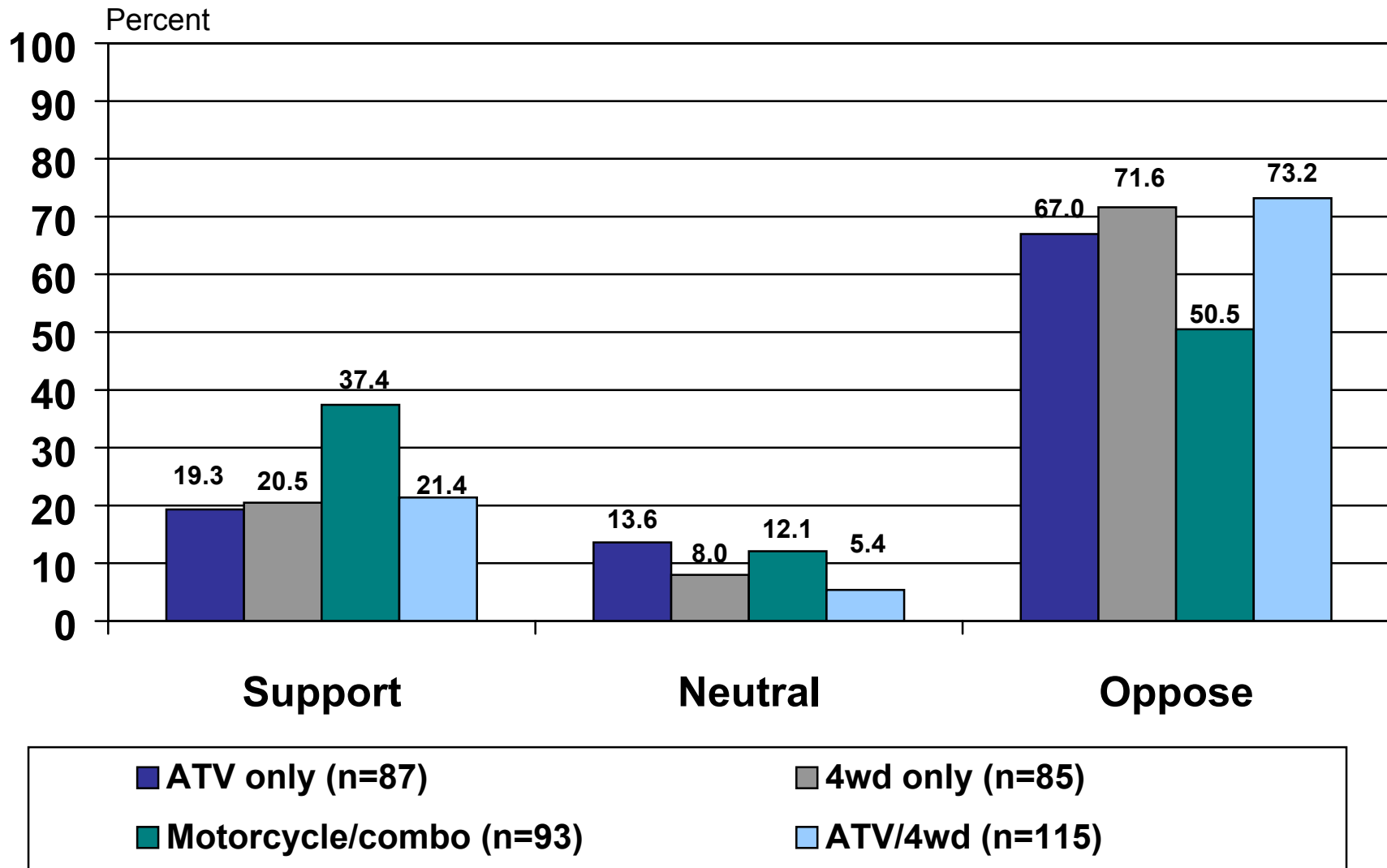
## D.5 Future OHV Programs

# Graph D5.1 - One-time Safety Certification (Q39)



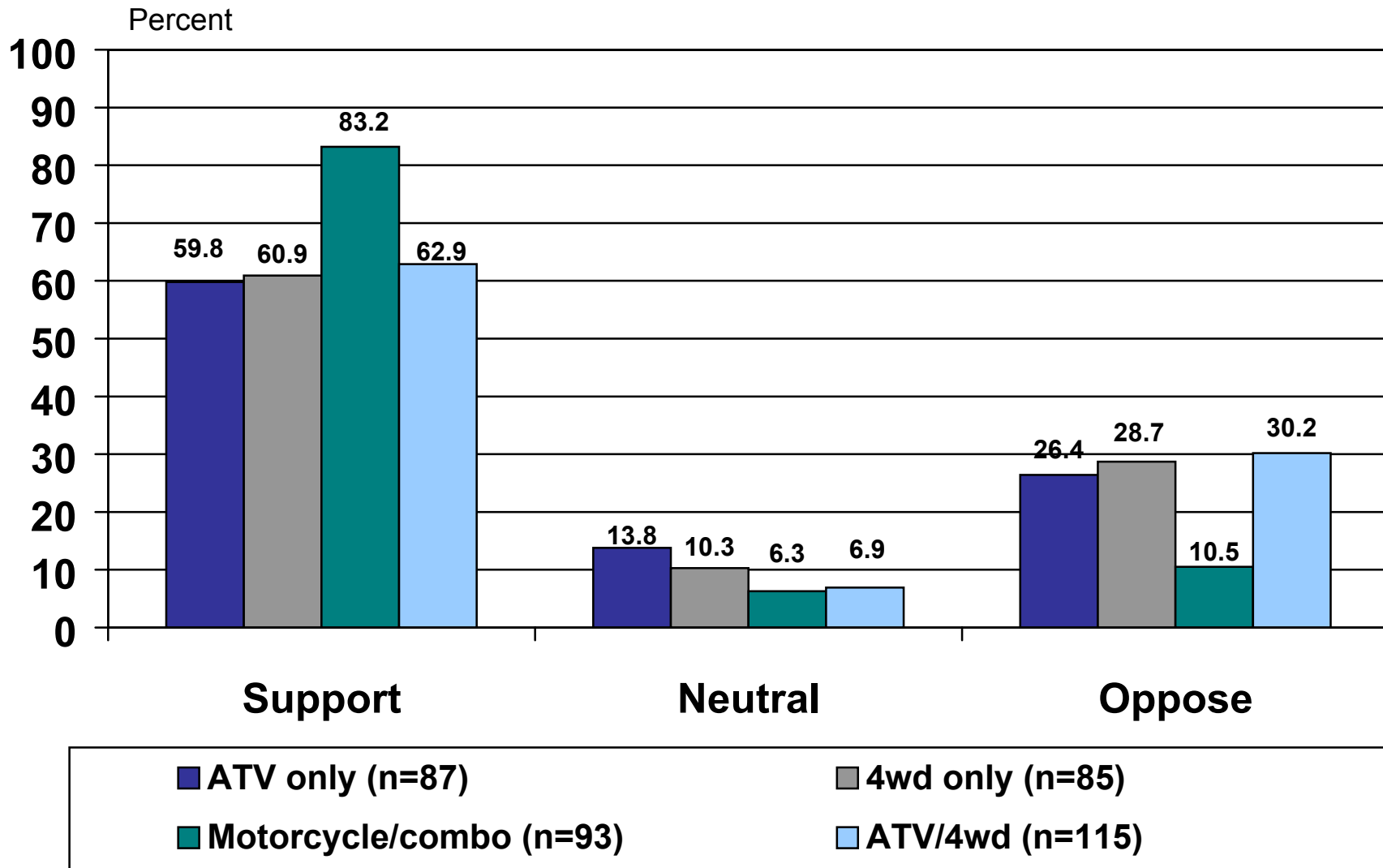
p < .001

# Graph D5.2 - Annual OHV Registration Fee (Q39)



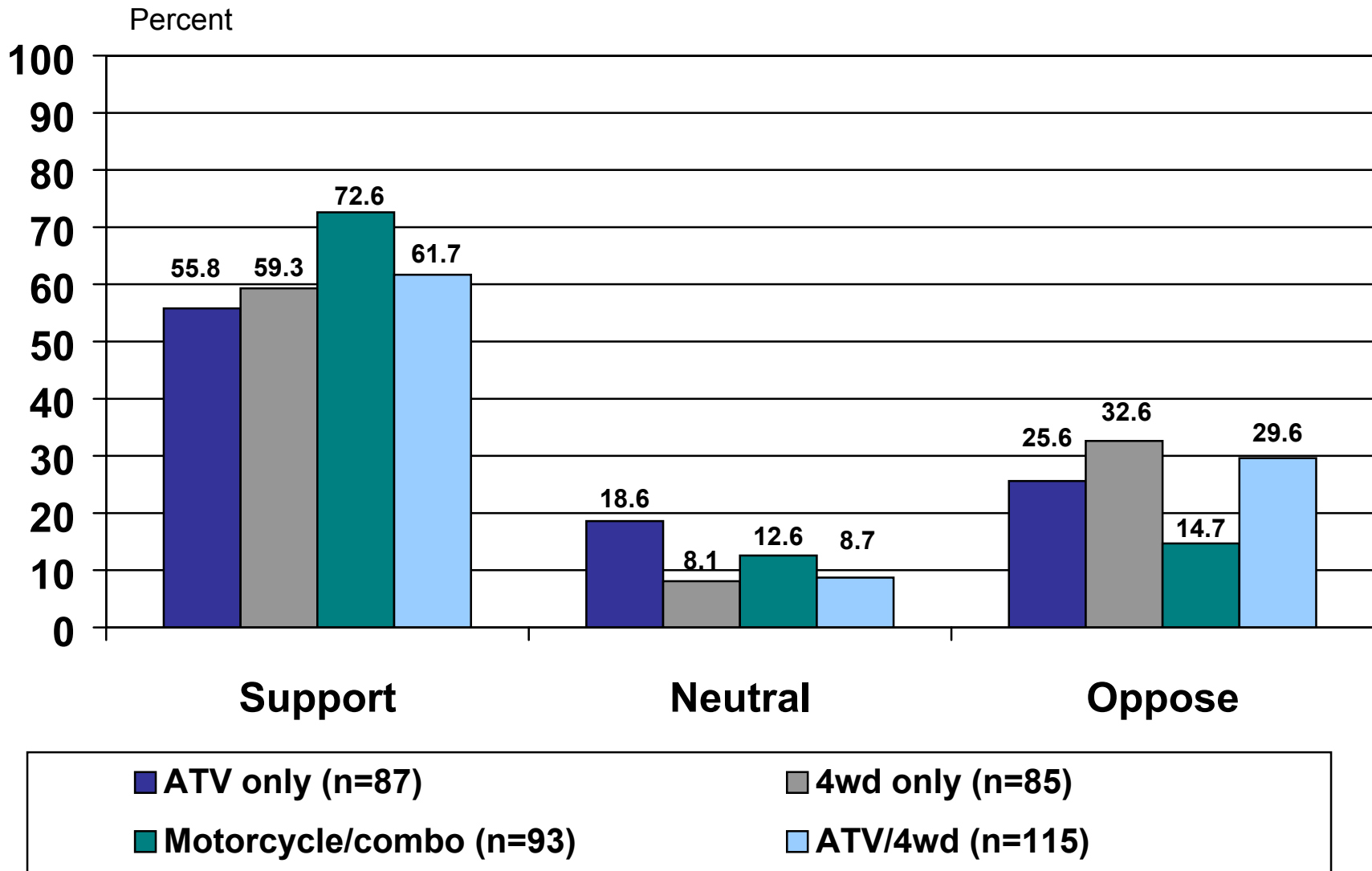
p < .05

# Graph D5.3 - Program to Develop and Maintain OHV Areas (Q39)



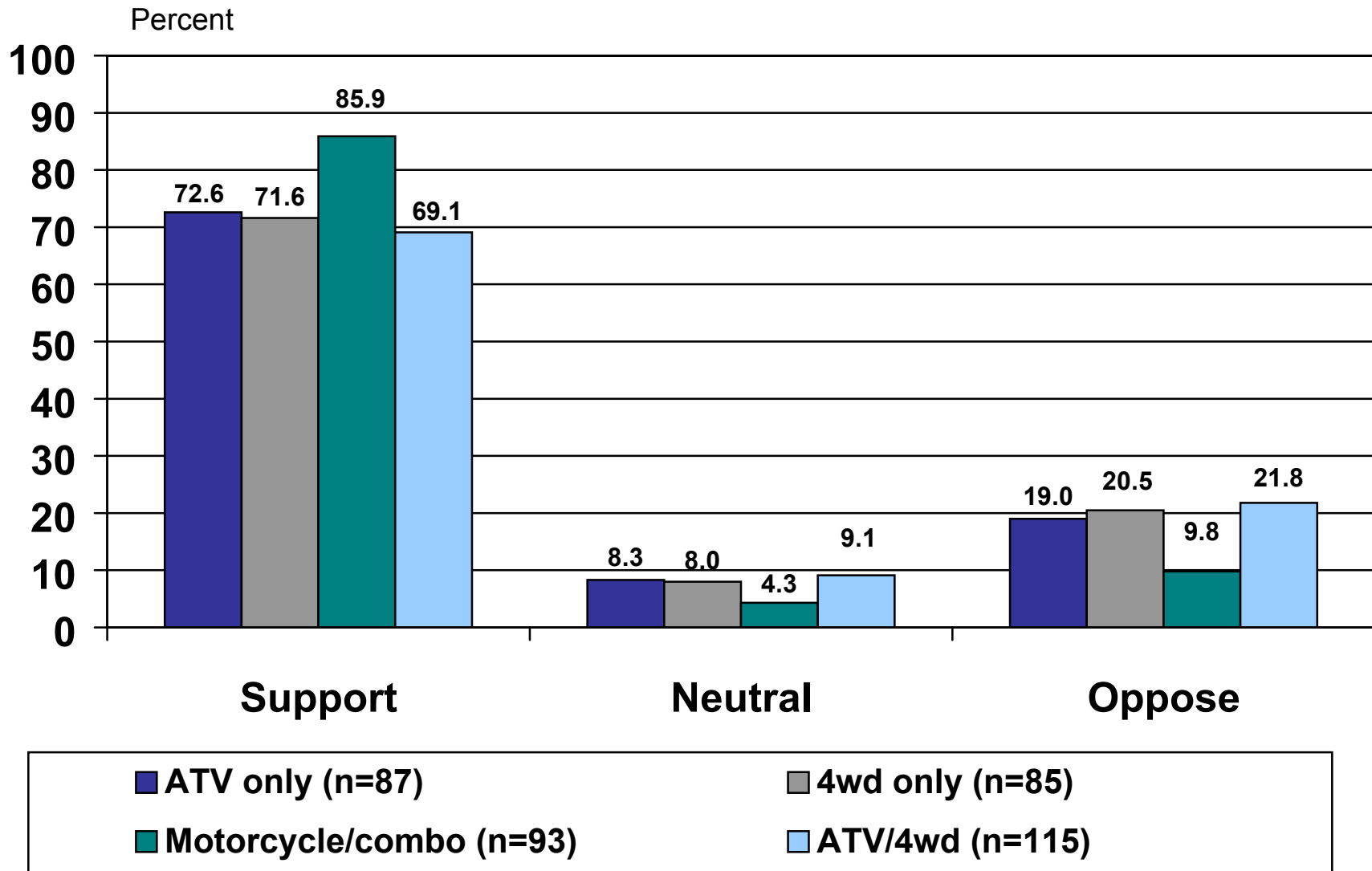
p < .01

# Graph D5.4 - Program to Encourage Private Sector to Open Lands to OHV Use (Q39)



p < .01

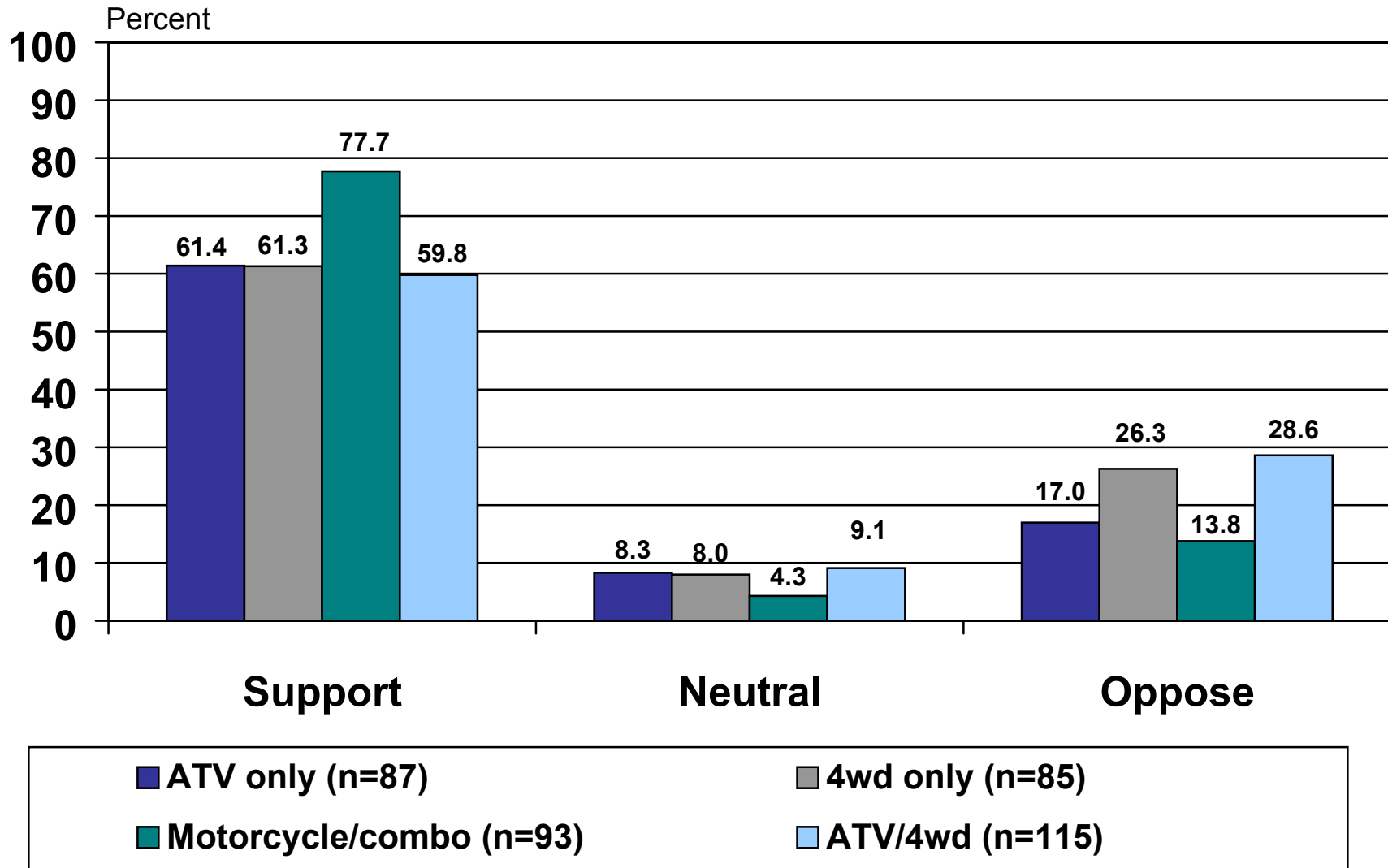
# Graph D5.5 - Public/Private Partnerships to Develop OHV Opportunities (Q39)



p < .001

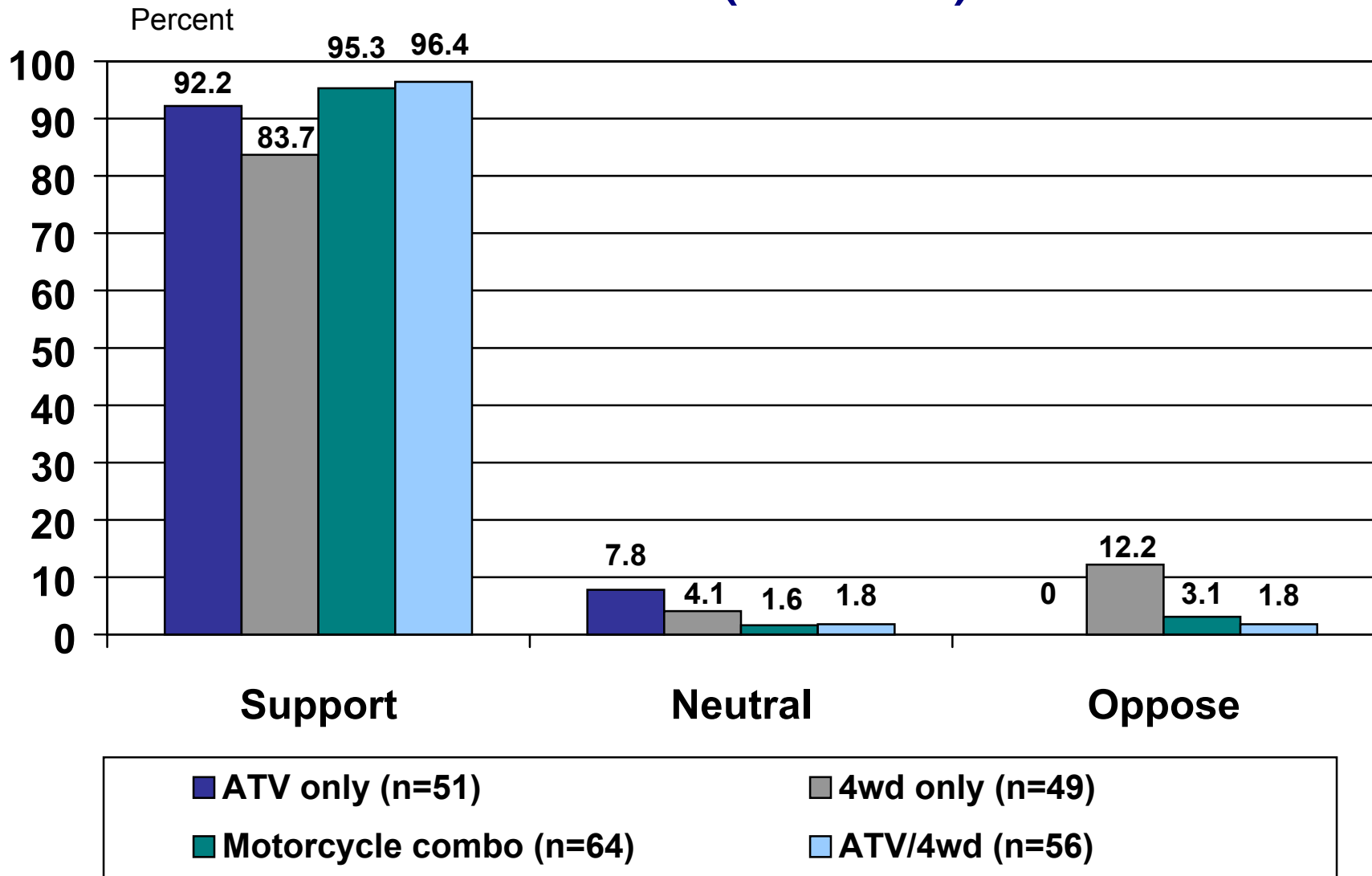


# Graph D5.6 - NGO Managing OHV Opportunities (Q39)



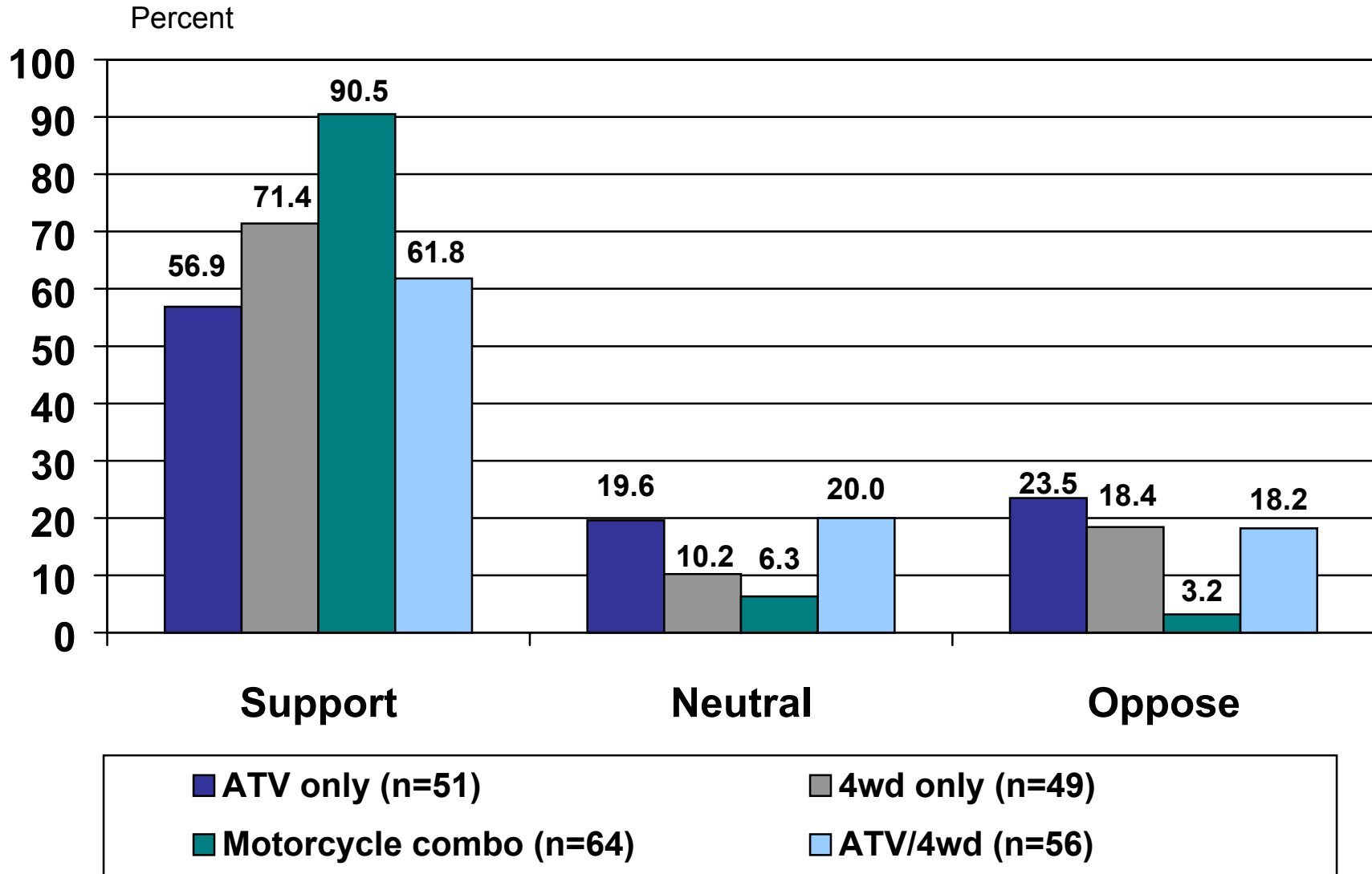
p < .001

# Graph D5.7 - Require Helmets for Children (Q44a)



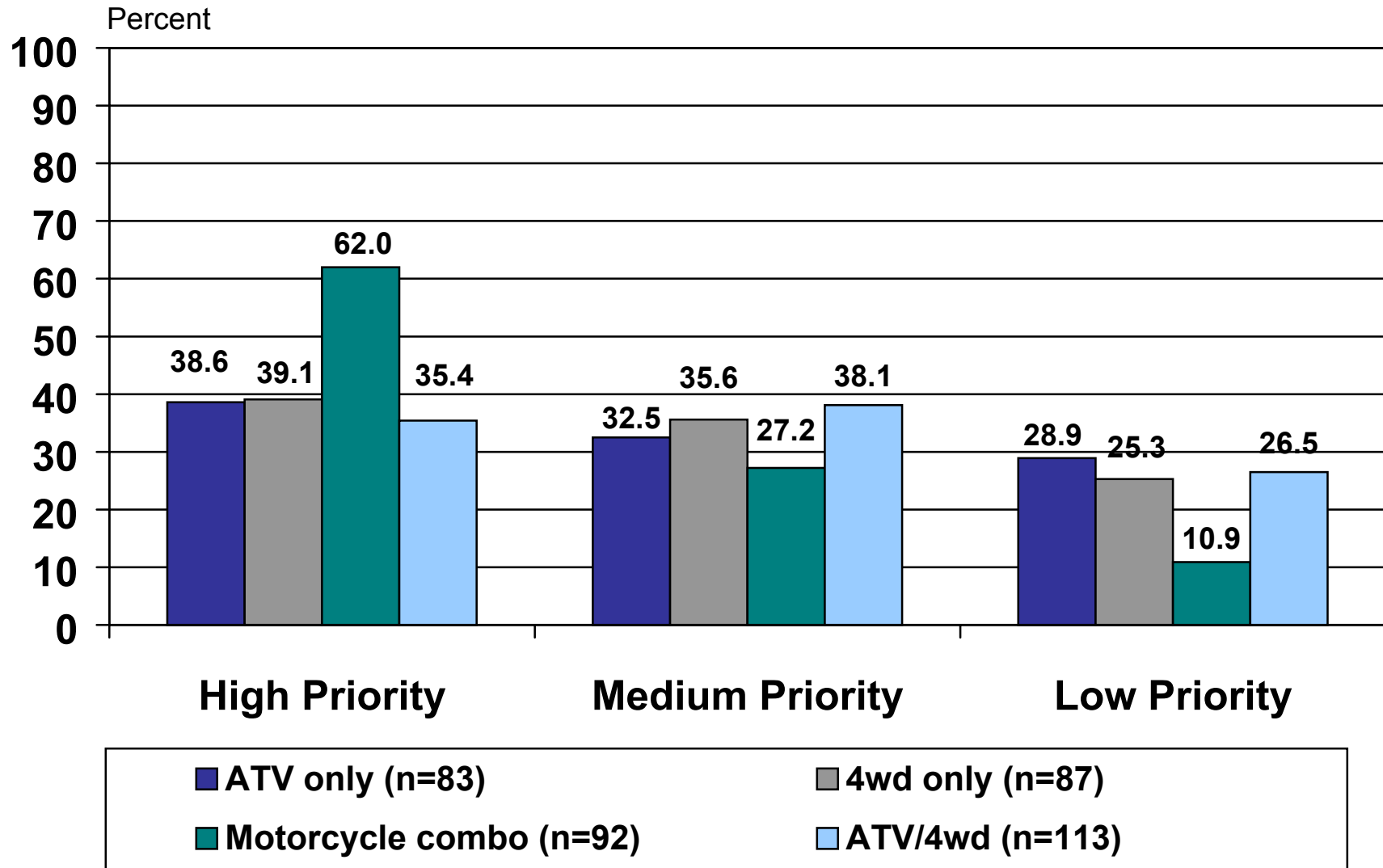
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# Graph D5.8 - Require Helmets for Adults (Q44b)



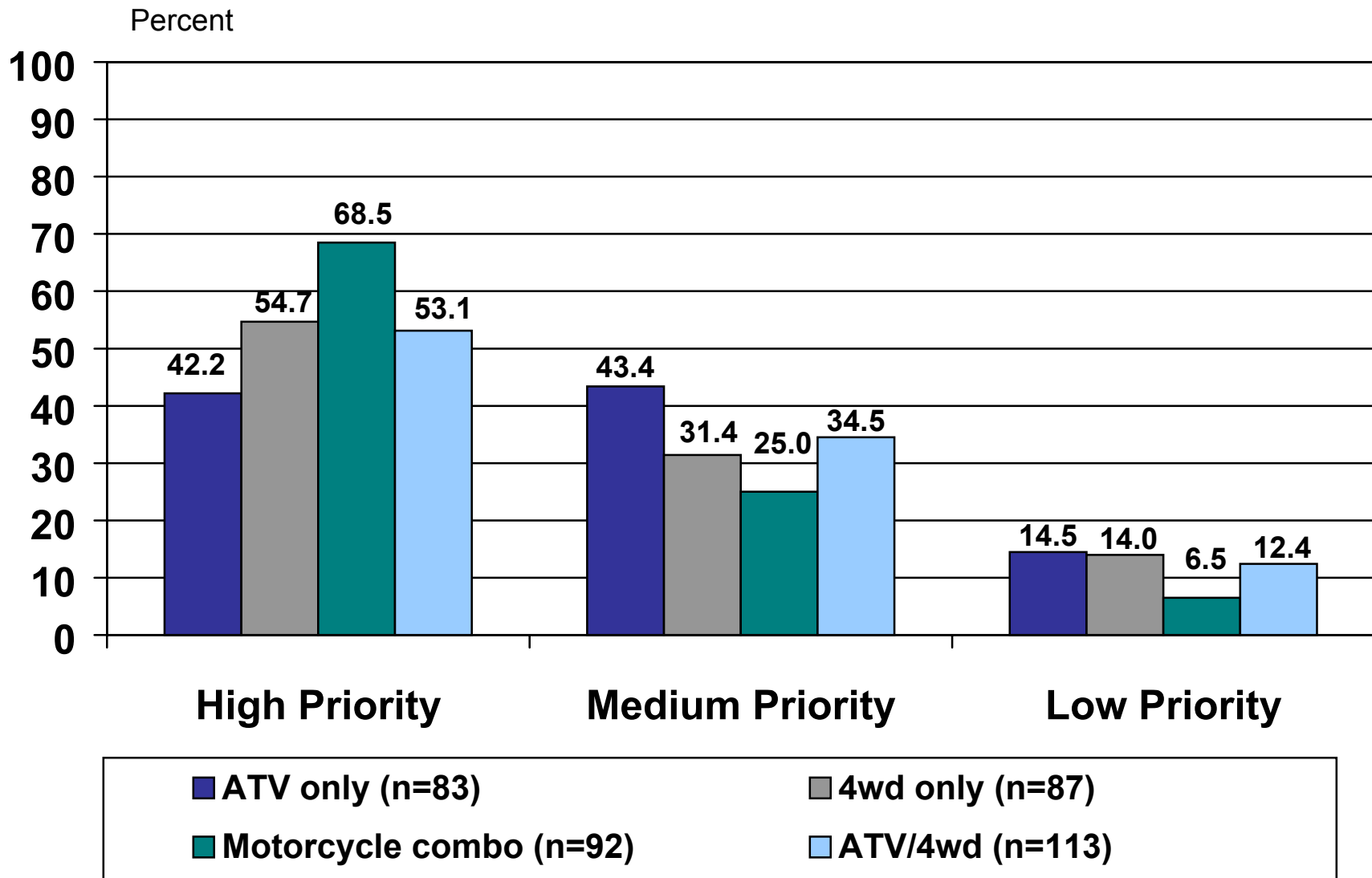
p < .010

# Graph D5.9 - Plan, Develop and Acquire Land for New Areas (Q43a)



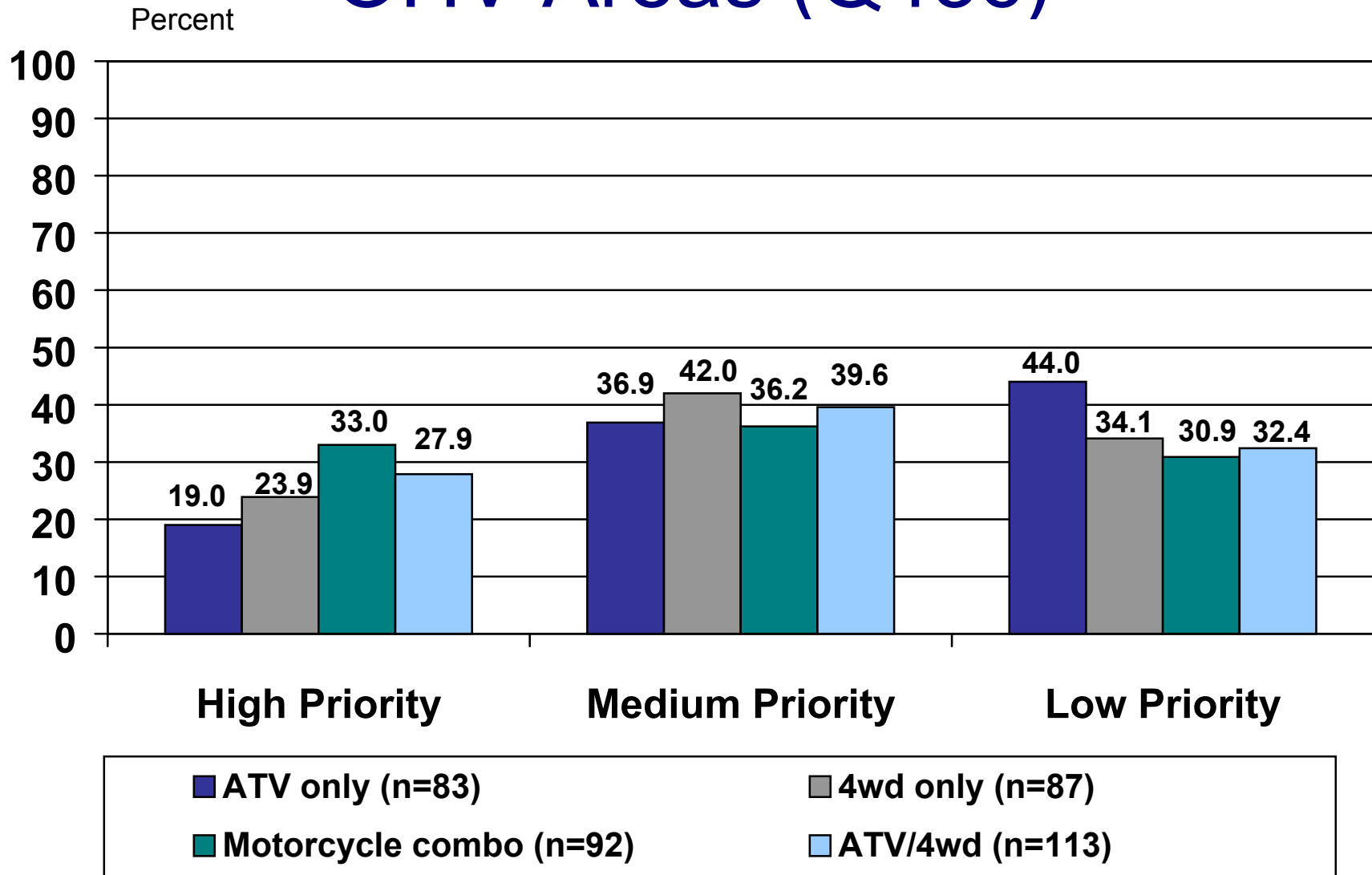
p < .05

# Graph D5.10 - Maintain and Restore Existing Areas and Trails (Q43b)

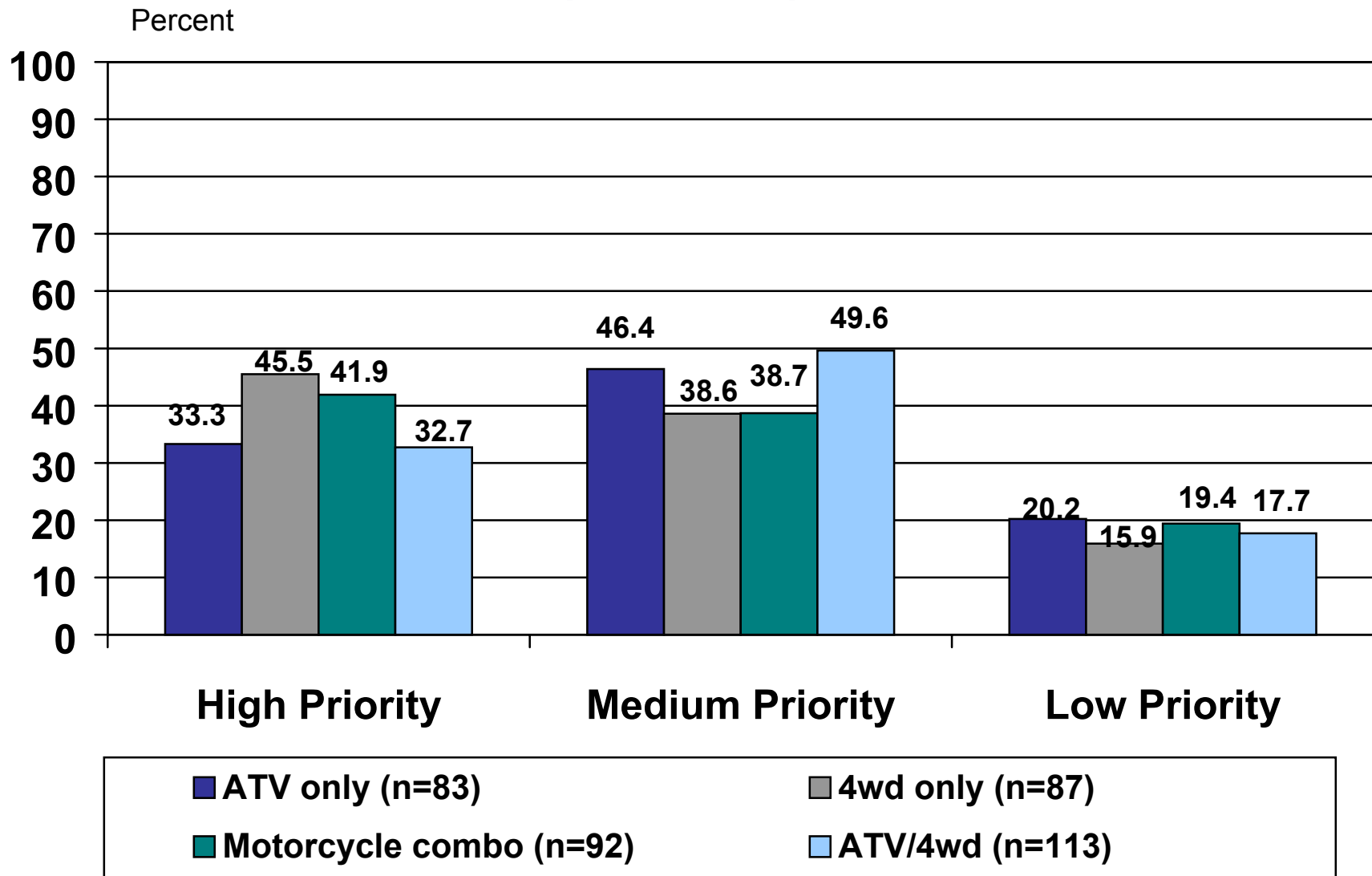


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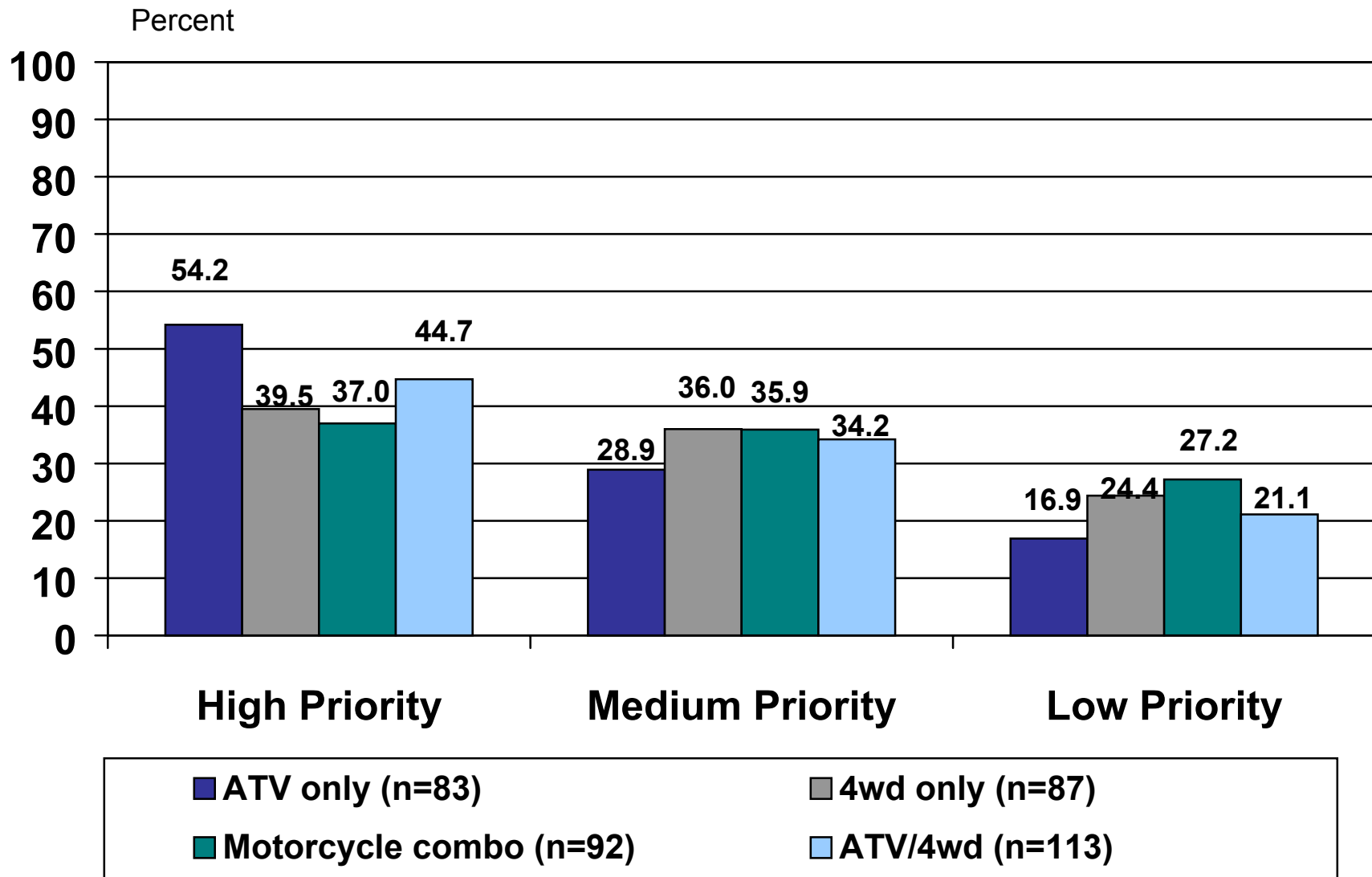
# Graph D5.11 - Support Facilities for OHV Areas (Q43c)



# Graph D5.12 - Information Programs (Q43d)

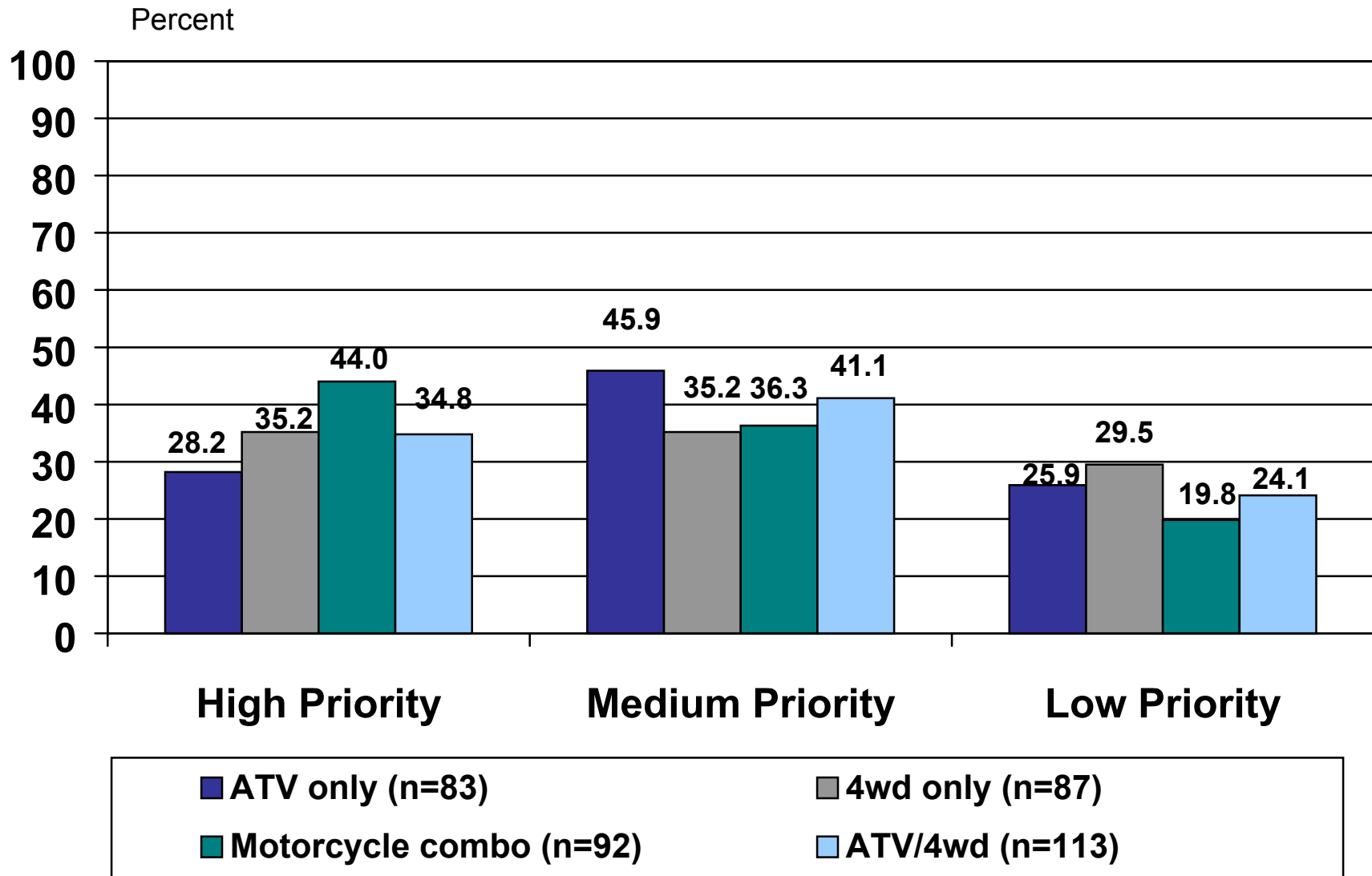


# Graph D5.13 - Safety and Environmental Education Programs (Q43e)

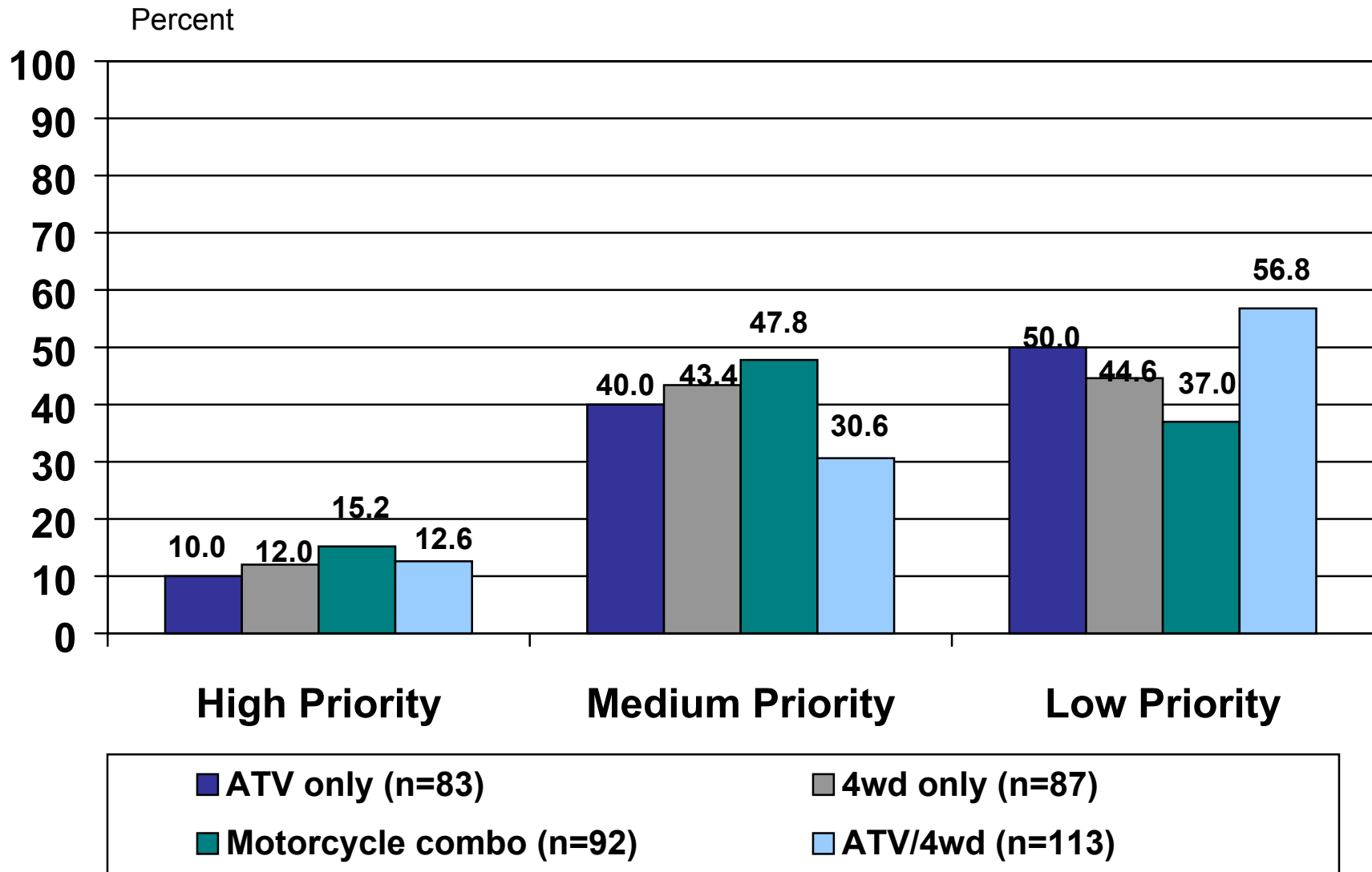




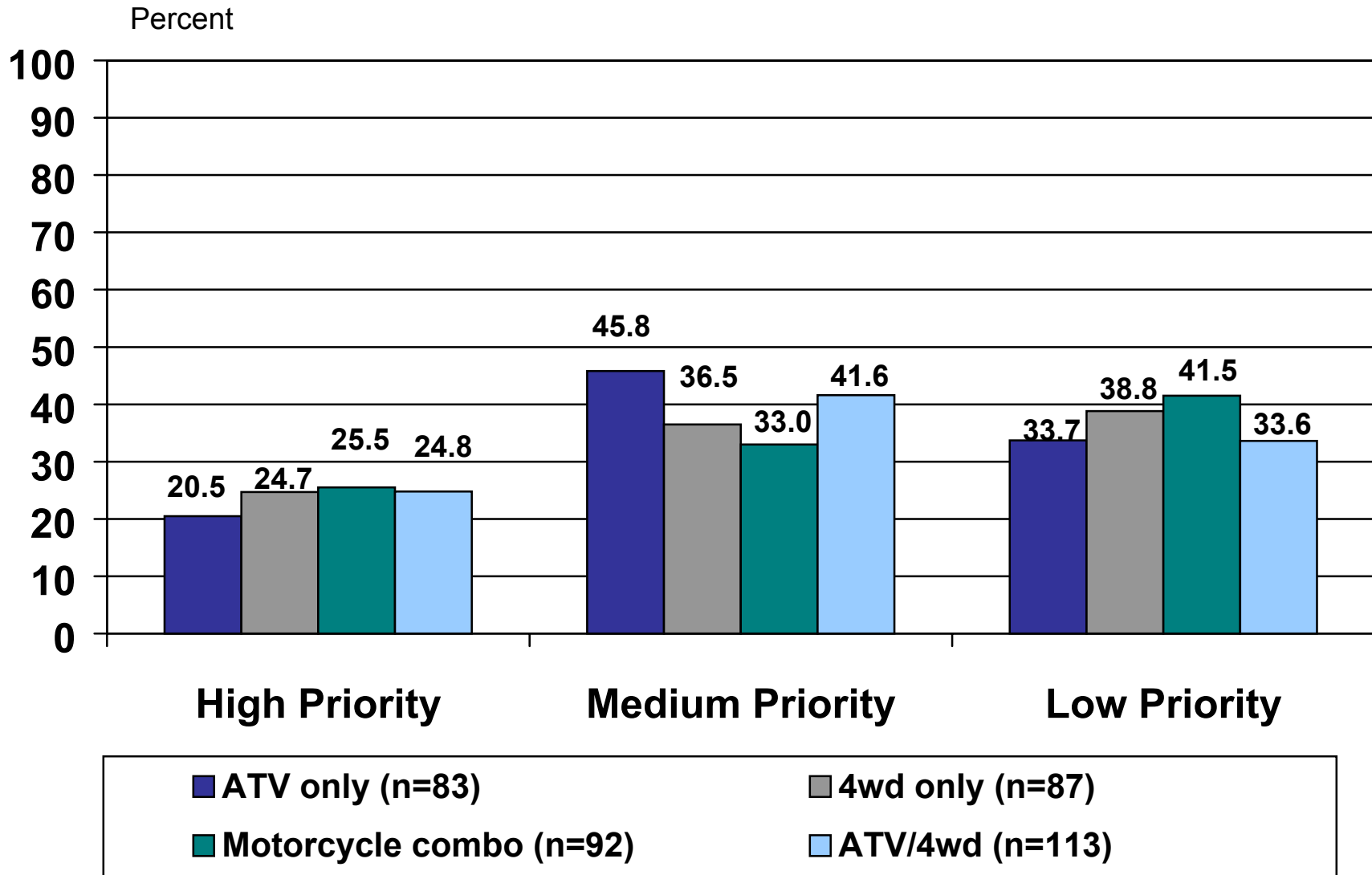
# Graph D5.14 - Volunteer Programs (Q43f)



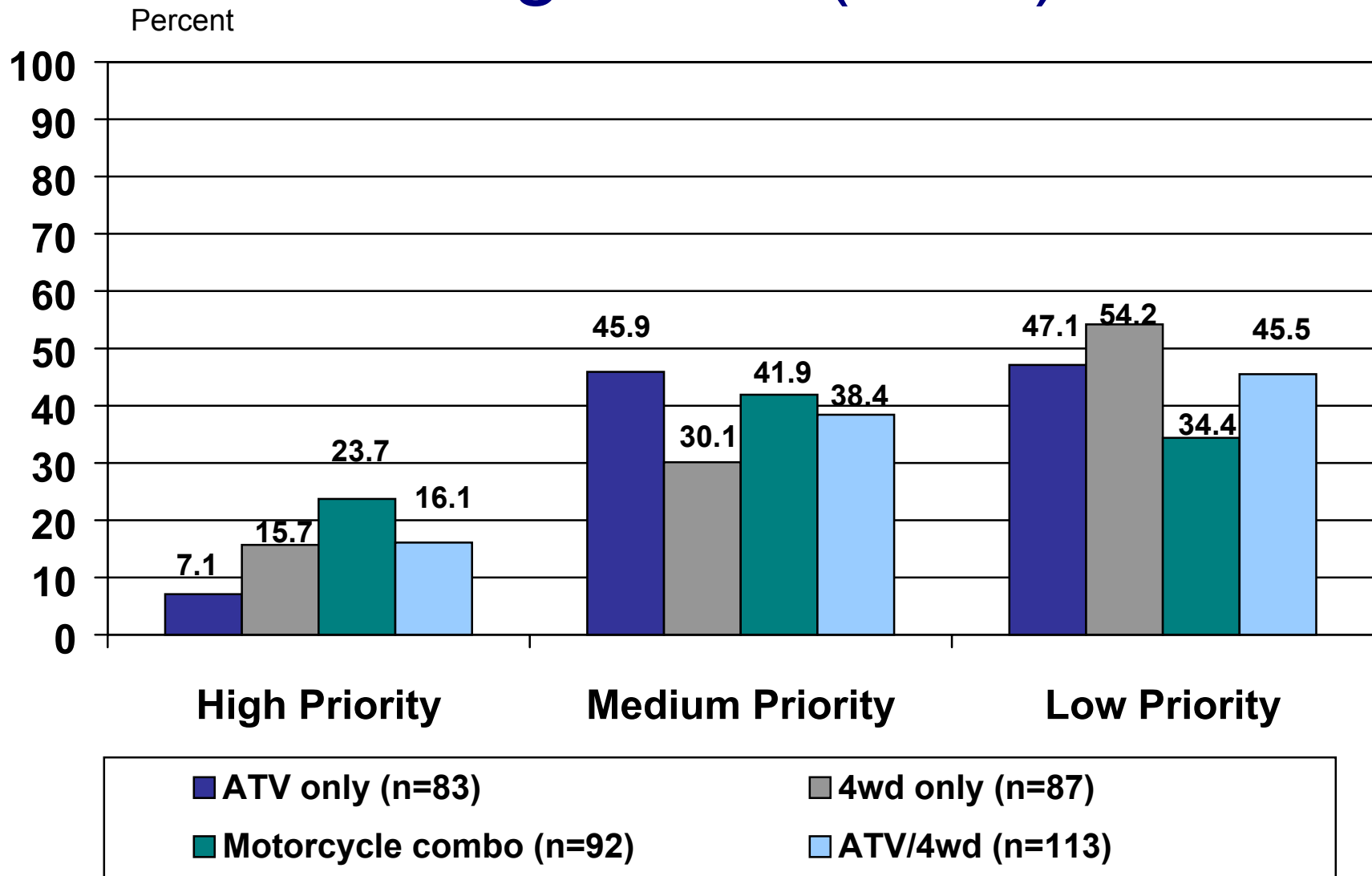
# Graph D5.15 - Fee Collection Program (Q43g)



# Graph D5.16 - Law Enforcement/Patrol (Q43h)



# Graph D5.17 - Special Event Management (Q43i)



p < .05

**Table D5.18 - Summary of Level of Support for Potential State OHV Program**

**Q43 We are interested in learning where you believe money for a potential OHV program should be spent.**

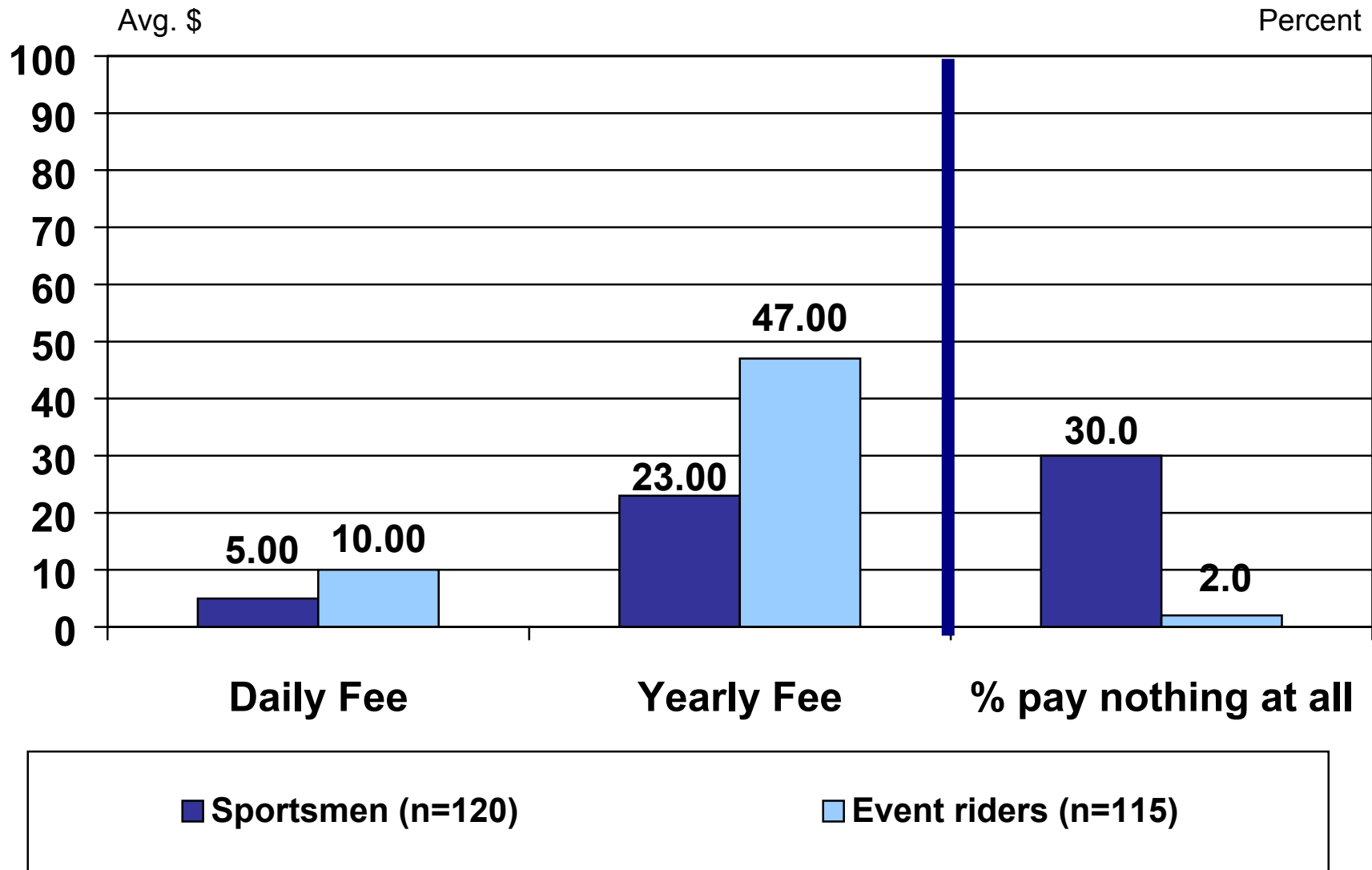
(Scale: 1 = Low priority; 2 = Medium priority; 3 = High priority)

Mean Score	ATV only (n=84)	4wd only (n=88)	Motorcycle/ Combo (n=93)	ATV/4wd (n=113)
Maintain and restore existing OHV areas and trails	2.28 <sup>a</sup>	2.41	2.63 <sup>a</sup>	2.41
Safety and environmental education programs such as OHV driving, OHV safety inspection, low impact training, and environmental awareness	2.37	2.15	2.10	2.23
Information programs such as area/route maps, signing of trails and access points	2.13	2.30	2.23	2.14
Volunteer program	2.02	2.06	2.24	2.11
Plan, develop and acquire land for new OHV areas(s)	2.09 <sup>a</sup>	2.14 <sup>b</sup>	2.51 <sup>abc</sup>	2.09 <sup>c</sup>
Support facilities for OHV areas such as loading ramps, washing areas, parking lots, campgrounds, etc.	1.75	1.90	2.03	1.95
Law enforcement/patrol	1.87	1.85	1.85	1.91
Special event management	1.60 <sup>a</sup>	1.61 <sup>b</sup>	1.89 <sup>ab</sup>	1.70
Fee collection program	1.61	1.68	1.78	1.56

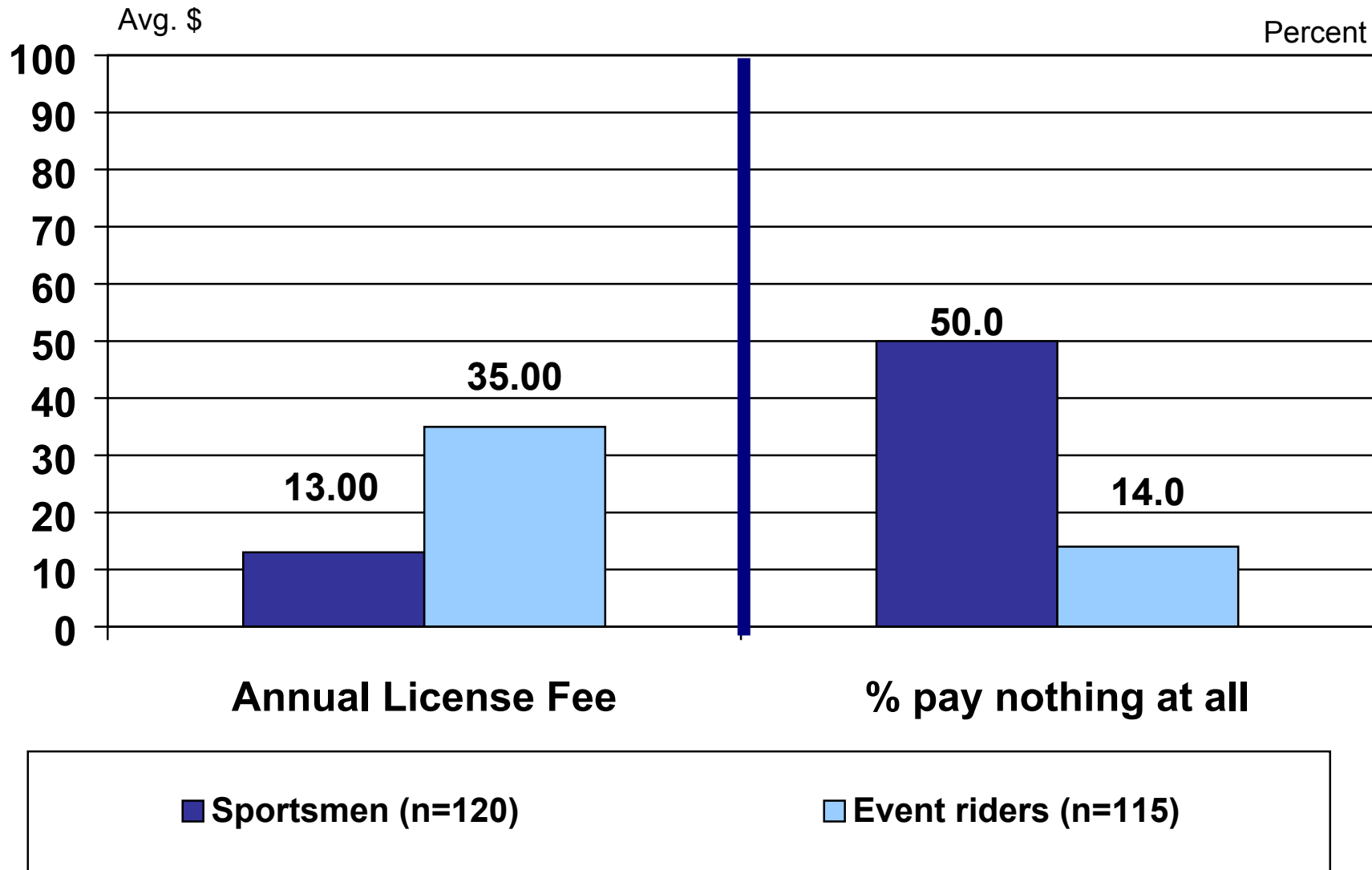
<sup>abc</sup> Significant difference (p < .05)

## D.6 Fees / Willingness to Pay for OHV Programs

# Graph D6.1 - Fees for Maintenance and Management (Mail Survey)

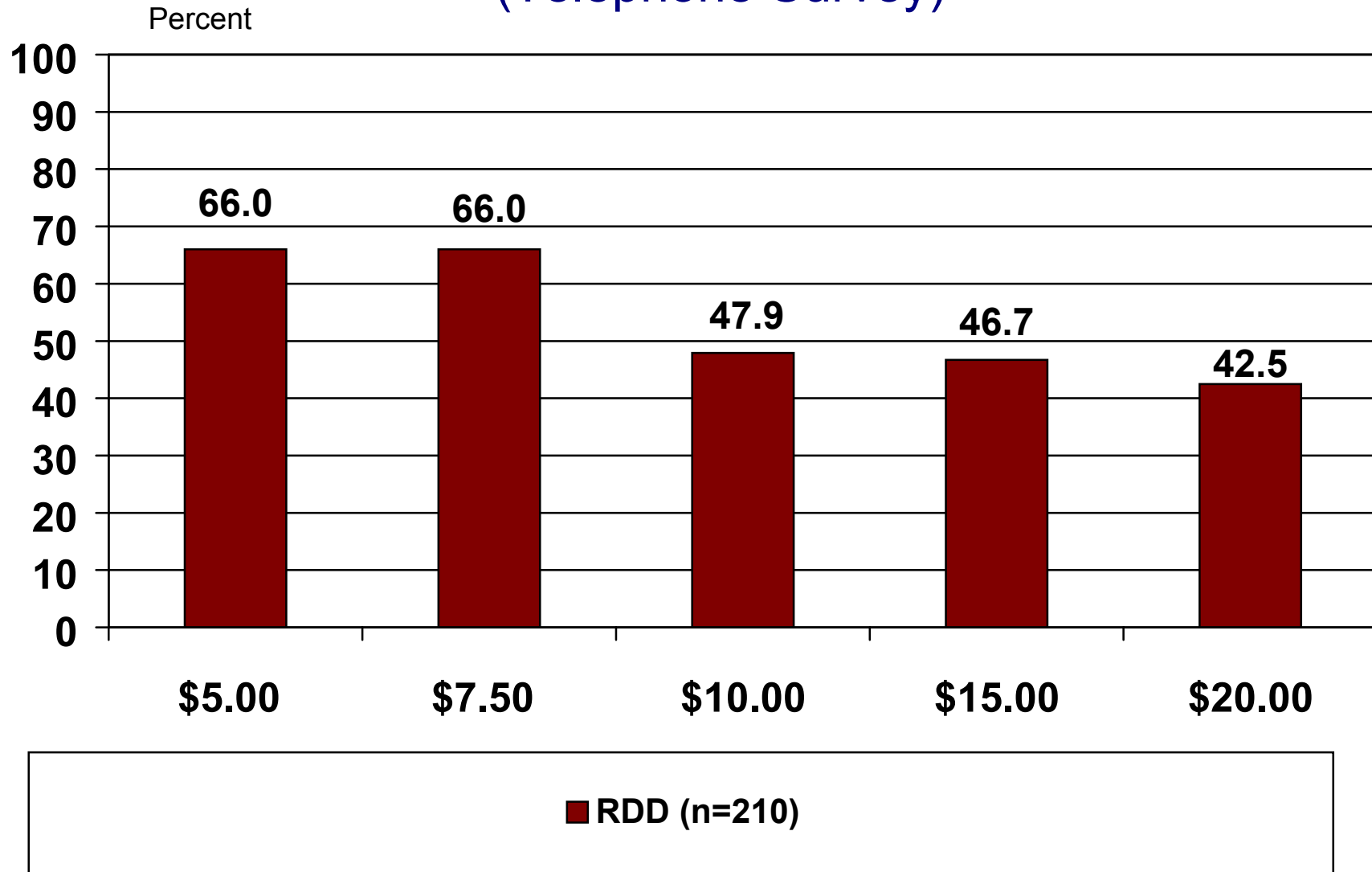


# Graph D6.2 - Annual License Fee for Safety and Education (Mail Survey)

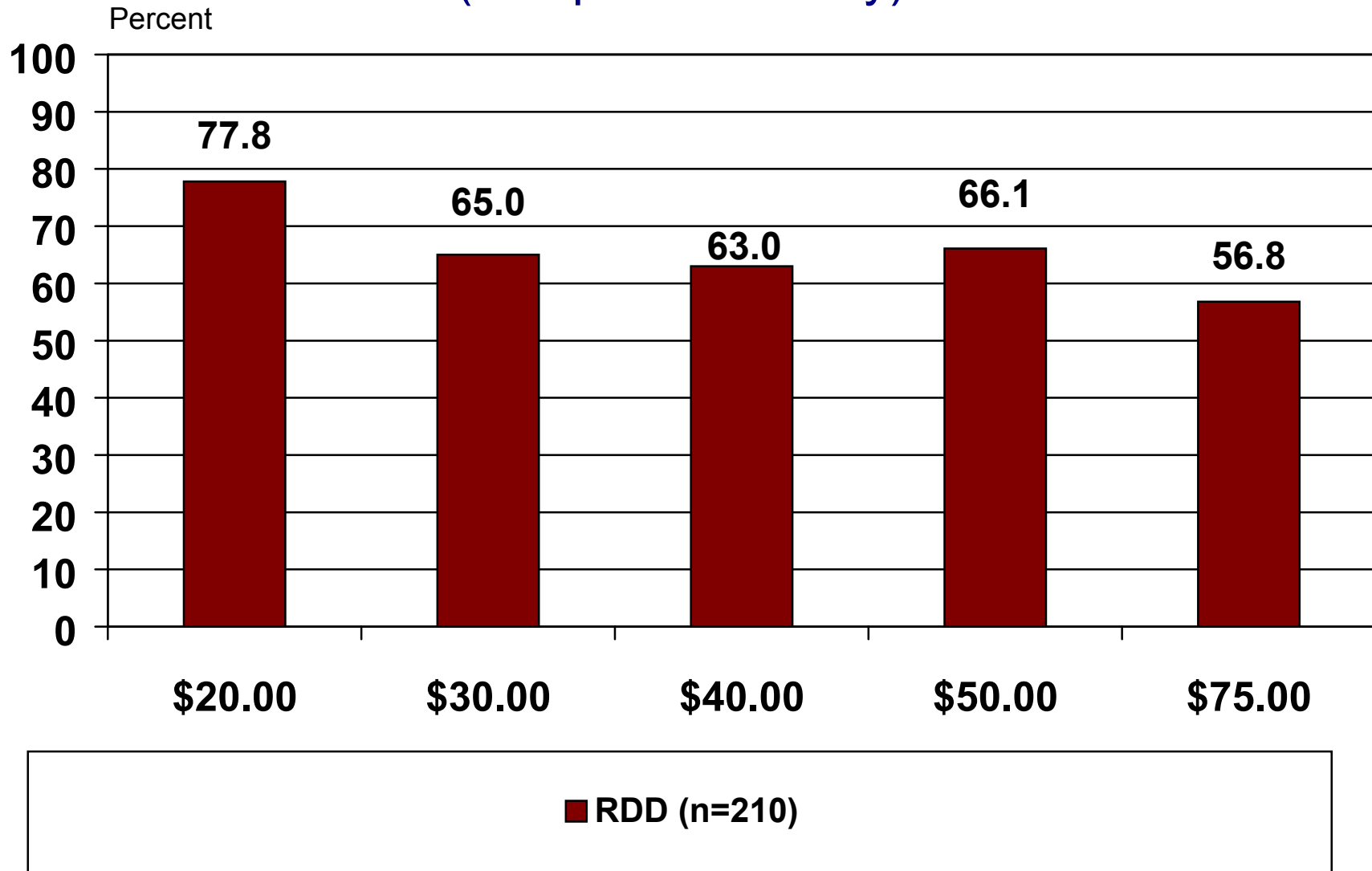




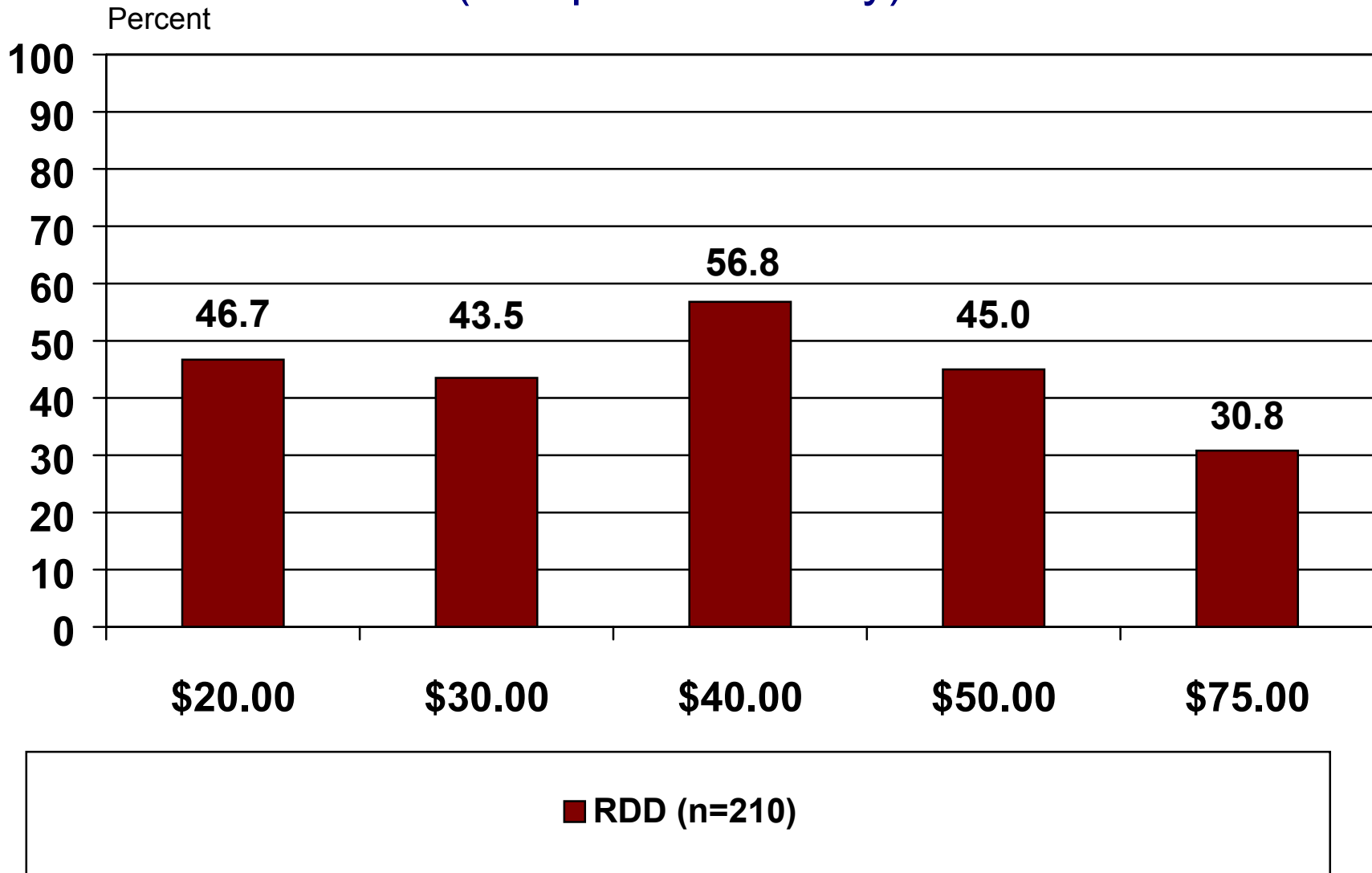
# Graph D6.3 - % Willing to Pay Daily Fee for Maintenance and Management (Telephone Survey)



# Graph D6.4 - % Willing to Pay Yearly Fee for Maintenance and Management (Telephone Survey)



# Graph D6.5 - % Willing to Pay Annual License Fee for Safety and Education (Telephone Survey)



# Appendix 1 (OHV Mail Survey)

**TENNESSEE OFF-HIGHWAY VEHICLE SURVEY**

**THE UNIVERSITY OF TENNESSEE**

**Human Dimensions Research Lab  
Department of Forestry, Wildlife and Fisheries  
P. O. Box 1071  
Knoxville, Tennessee 37901-1071**

**YOUR PARTICIPATION in OFF-HIGHWAY VEHICLE USE**

1a. Have you or anyone in your household driven or ridden an Off-Highway Vehicle (such as ATV's or 4-wheelers, dirt bikes or dual sport motorcycles, 4-wheel drive trucks and jeeps, sport utility vehicles and rail buggies or dune buggies) for **work or recreational** purposes in the past 12 months?

\_\_\_ NO → Thank you for your time. Please return the survey in the envelope provided.  
 \_\_\_ YES

b. IF YES, how **many people** in your household have used an OHV in the past twelve months, including yourself? \_\_\_\_\_

c. How many OHV users are **18 years of age or older**? \_\_\_\_\_

2. Please indicate how many of the following vehicles you **personally own** by whether or not the vehicle is **registered for highway** use:

(Please use "0" if none)	# Registered for Highway Use	# Not Registered for Highway Use
a. Off-Highway Motorcycle	_____	_____
b. ATV	_____	_____
c. 4-wheel drive vehicle or truck	_____	_____
d. Rail buggy or dune buggy	_____	_____

3. Please indicate how many of the following vehicles the **other OHV users in your household own** by whether or not the vehicle is **registered for highway** use: (This does not include vehicles listed in Question 2 above that you own.)

(Please use "0" if none)	# Registered for Highway Use	# Not Registered for Highway Use
a. Off-Highway Motorcycle	_____	_____
b. ATV	_____	_____
c. 4-wheel drive vehicle or truck	_____	_____
d. Rail buggy or dune buggy	_____	_____

4. Do you use your OHV that you personally own for **work** purposes? (Please **do not** include driving to and from work.)

\_\_\_ NO  
 \_\_\_ YES If Yes, what percent of the time do you use your OHV for work/recreation?  
 \_\_\_\_\_ % Work \_\_\_\_\_ % Recreation

5a. Have you **driven or ridden** in an off-highway vehicle in Tennessee for **recreational** purposes during the last 12 months on roads not regularly maintained for public use or over any trails or open terrain?

\_\_\_ NO IF NO, go to **Question 5c then to DEMOGRAPHICS, Q45.**  
 \_\_\_ YES

5b. How many **times** have you driven or ridden in each of the following vehicle(s) off-highway for **recreational purposes** during the **last 12 months**?

	# of Times Driven or Ridden
a. Off-Highway motorcycle	_____
b. ATV	_____
c. 4-wheel drive vehicle or truck	_____
d. Rail buggy or dune buggy	_____

5c. Of the **other OHV users** in your household, how many have driven or ridden in this/these vehicle(s) "off-highway" in Tennessee for **recreational** purposes during the last 12 months on roads not regularly maintained for public use or over any trails or open terrain?

\_\_\_ # of people or \_\_\_ Check if no other OHV users in household.

6. What **places** in Tennessee have you ridden your OHV for recreational purposes in the last **12 months**? List up to **five places** and for the last 12 months please give:  
 the number of **trips** taken to each site,  
 the number of **miles you travel** to that site, and  
 the **average number of days per trip** for each place listed.

Area name/trail name	County	#trips	#miles	# days
1. _____	_____	_____	_____	_____
2. _____	_____	_____	_____	_____
3. _____	_____	_____	_____	_____
4. _____	_____	_____	_____	_____
5. _____	_____	_____	_____	_____

7. For the OHV area listed above with the most trips, **why do you use it most often?**  
 (Check all that apply.)

- It is easy to get to.  
 It is one of my favorite places to ride.  
 There is no other place to ride.  
 I can afford to go there.      Other: \_\_\_\_\_

8. Is there an area where you would **prefer to ride more often** (including areas listed above, areas not listed, or areas that might be closed)?  Yes  No (IF NO, go to Q9)

IF YES, What is the **name** of the OHV area? \_\_\_\_\_

What **county** is this area in? \_\_\_\_\_

How many **miles** do you live from this area? \_\_\_\_\_ # miles

Why would you **prefer** to ride this area? \_\_\_\_\_

9. During the last 12 months, what percent of all your OHV riding was **in Tennessee** versus other states?

Percent of OHV riding in Tennessee? \_\_\_\_\_%

Percent of OHV riding in other states? \_\_\_\_\_% (Together they should equal 100%)

- 10a. For your OHV riding trips, what is your **average length of stay** per trip? (Check one.)

\_\_\_\_\_ Less than a day. If so, how many hours? \_\_\_\_\_

\_\_\_\_\_ More than a day. If so, how many days? \_\_\_\_\_

- b. If you **stay for more than one day** per trip, do you usually:

\_\_\_\_\_ Camp     \_\_\_\_\_ Stay in a motel/hotel     \_\_\_\_\_ Stay with friends

- c. If you **camp**, do you usually stay in a: (Please check one.)

\_\_\_\_\_ Dispersed camping area (essentially no facilities provided)

\_\_\_\_\_ Private campground (like KOA)

\_\_\_\_\_ Public campground

11. During a typical trip where you use your OHV for recreational purposes, about how many **hours each day** do you actually ride your OHV? \_\_\_\_\_ # of hours

12. About what percent of your OHV riding is on **public land versus private land**?

\_\_\_\_\_ % of time on public land     \_\_\_\_\_ % of time on private land     \_\_\_\_\_ Don't Know

13. When you ride your OHV on private land, do you **pay a fee**? (Check only one.)

\_\_\_\_\_ Never     \_\_\_\_\_ Sometimes     \_\_\_\_\_ Usually     \_\_\_\_\_ Always     \_\_\_\_\_ Ride on own land

14. If you own an **ATV** or **off-highway motorcycle**, what **type of riding** do you do?  
 Check all that apply. Please **circle** the type of riding you do **most often**.

\_\_\_\_\_ Do not own an ATV or off-highway motorcycle.

\_\_\_\_\_ Recreational trailrider, non-competitive

\_\_\_\_\_ Track/Motorcross

\_\_\_\_\_ Enduro

\_\_\_\_\_ Trails

\_\_\_\_\_ Hare scrambles

\_\_\_\_\_ Dual sport

15. Please identify the approximate percent of the **time** that you use your Off-Highway vehicles in the general activities listed below. (Each vehicle type you use should add up to 100%.)

Activity	% Off-Highway Motorcycle	% ATV	% 4-Wheel Drive
Competition (racing)	_____	_____	_____
Organized Events	_____	_____	_____
Work	_____	_____	_____
Recreational Trail Riding	_____	_____	_____
Hunting/Fishing	_____	_____	_____
	100%	100%	100%

**YOUR PAST EXPERIENCE LEVEL WITH OFF-HIGHWAY VEHICLES**

16. In what year did you **first ride** an OHV for recreational purposes? \_\_\_\_\_ year
17. When did you **purchase your first OHV**? \_\_\_\_\_ year or \_\_\_\_\_ I never purchased one.
18. About how many **different places/areas** have you driven an OHV for recreational purposes in your life?  
 \_\_\_\_\_ 1- 5 \_\_\_\_\_ 6-10 \_\_\_\_\_ 11- 25 \_\_\_\_\_ 26-50 \_\_\_\_\_ 51-100 \_\_\_\_\_ more than 100
19. How do you rate your **skill level** in driving an OHV? (Circle the approximate #.)
- |        |   |              |   |          |
|--------|---|--------------|---|----------|
| Novice |   | Intermediate |   | Advanced |
| 1      | 2 | 3            | 4 | 5        |
20. Have you completed a **safety education** program on off-highway driving?  
 \_\_\_\_\_ YES \_\_\_\_\_ NO  
 IF YES, **In Tennessee**? \_\_\_\_\_YES \_\_\_\_\_NO  
 IF NO, Which state:\_\_\_\_\_
- What **organization** conducted the safety education program?  
 \_\_\_\_\_

**YOUR OFF-HIGHWAY RECREATIONAL TRIP CHARACTERISTICS**

21. Would you say that you "never, sometimes, or always" **ride your OHV**:

(Circle one answer for each statement.)

	Never	Sometimes	Always
Alone	1	2	3
With friends	1	2	3
With family members	1	2	3
With a club	1	2	3
In OHV races	1	2	3
In OHV rides for fund raisers	1	2	3
In other OHV events	1	2	3

22a. On average, how **many people** are usually with your group when you ride your OHV, including yourself? \_\_\_\_\_ # of people

b. On average, how **many vehicles** are usually with your group when you ride your OHV? \_\_\_\_\_ # of vehicles

23. On your OHV riding trips, about **how many** of your group are:

\_\_\_\_\_ Children 12 and under?

\_\_\_\_\_ Youth ages 13 to 16?



24. Below is a list of possible **reasons for OHV riding**. Please tell us **how important** each one is to you when you go OHV riding. (Circle the number that best describes how important each reason is to you.)

The OHV allows me to:	Not at all Important	Slightly Important	Somewhat Important	Moderately Important	Extremely Important
Get away from crowds of people.	1	2	3	4	5
Enjoy natural scenery.	1	2	3	4	5
Be with other people who enjoy the same thing as I do.	1	2	3	4	5
Do something challenging.	1	2	3	4	5
To be alone.	1	2	3	4	5
Explore places where I have not been.	1	2	3	4	5
Keep physically fit.	1	2	3	4	5
Meet other people in the area.	1	2	3	4	5
Maintain a desired image of myself.	1	2	3	4	5
Do things my own way.	1	2	3	4	5
Experience excitement.	1	2	3	4	5
Rest mentally.	1	2	3	4	5
Test my vehicle's performance.	1	2	3	4	5
Get away from the demands of life.	1	2	3	4	5
Talk to new and varied people.	1	2	3	4	5
Help me know who I am.	1	2	3	4	5
Learn more about nature.	1	2	3	4	5
Develop my skills and abilities.	1	2	3	4	5
Experience a sense of personal freedom.	1	2	3	4	5
Help me escape from everyday stresses.	1	2	3	4	5
Test my driving skills.	1	2	3	4	5
Be with my friends.	1	2	3	4	5
Share what I have learned with others.	1	2	3	4	5
Reduce depression or anxiety.	1	2	3	4	5
Feel more self confident.	1	2	3	4	5
Feel free.	1	2	3	4	5

25. On any of your OHV trips in the last 12 months have you or anyone riding in your group experienced an **OHV related injury**?

\_\_\_\_\_ NO

\_\_\_\_\_ YES, briefly describe the injury:

---



---

25a. IF YES, Did any of these injuries require **medical attention** from:

a. Doctor or health care facility? \_\_\_\_\_ YES \_\_\_\_\_ NO

b. An emergency evacuation? \_\_\_\_\_ YES \_\_\_\_\_ NO

### YOUR PREFERENCES FOR OFF-HIGHWAY VEHICLE ACTIVITIES

26. When you use your OHV for recreational purposes, which of the following are **you most interested** in: (Check only one.)

\_\_\_\_\_ Enjoying the OHV activity itself.

\_\_\_\_\_ Enjoying the place you are visiting.

\_\_\_\_\_ Using your OHV as part of another recreational activity.

27. When making a choice of where to drive off-highway do you **generally prefer**:  
(Please choose one answer in each pair.)

\_\_\_\_\_ to visit the same area or

\_\_\_\_\_ to seek different areas?

\_\_\_\_\_ to be in relatively flat open terrain such as a field or

\_\_\_\_\_ to be in hilly, mountainous terrain?

\_\_\_\_\_ to drive on roads and trails with few obstacles or

\_\_\_\_\_ to drive on rugged steep, rocky roads and trails?

\_\_\_\_\_ to be on roads and trails that are marked or

\_\_\_\_\_ to be on roads and trails that are unmarked?

\_\_\_\_\_ to be on designated roads and trails or

\_\_\_\_\_ to be off roads and trails?

28. During a typical year when you take OHV trips in Tennessee, do you **participate** in any of the following recreation activities? (Check all that apply.)

\_\_\_\_\_ Hunting

\_\_\_\_\_ Animal/bird watching

\_\_\_\_\_ Fishing

\_\_\_\_\_ Camping

\_\_\_\_\_ Hiking/backpacking

\_\_\_\_\_ Just the fun of OHV driving

\_\_\_\_\_ Other: \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_ Picnicking

\_\_\_\_\_ Swimming

\_\_\_\_\_ Photography

\_\_\_\_\_ Horseback riding

\_\_\_\_\_ Sightseeing

\_\_\_\_\_ Mountain Biking

29. Below is a list of **specific management actions** that might be taken to increase OHV opportunities and experiences in Tennessee. Please keep in mind that some management actions will cost more than others. (Circle one number for each item.)

Actions:	Strongly Oppose	Somewhat Oppose	Neutral	Somewhat Support	Strongly Support
Provide safe drinking water at OHV access points.	1	2	3	4	5
Provide toilet facilities at OHV access points.	1	2	3	4	5
Provide long distance, overnight OHV riding opportunities.	1	2	3	4	5
Provide OHV play areas.	1	2	3	4	5
Provide signs at trailhead and trail junctions indicating trail length.	1	2	3	4	5
Provide signs at trailheads and trail junctions indicating level of difficulty of trail.	1	2	3	4	5
Require that all OHVs be licensed.	1	2	3	4	5
Use all OHV license fees for an OHV program and management.	1	2	3	4	5
Provide maps of OHV areas and trails at access points.	1	2	3	4	5
Provide more ranger patrols at OHV areas.	1	2	3	4	5
Provide for patrol of OHV areas by local OHV clubs.	1	2	3	4	5
Improve the maintenance of OHV areas and trails.	1	2	3	4	5
Collect a nominal fee from OHV users to support the provision and management of OHV opportunities.	1	2	3	4	5
OHV use on public land should be free.	1	2	3	4	5
Provide OHV loading ramps at parking lot access points.	1	2	3	4	5
Provide parking lots for OHV support vehicle at access points.	1	2	3	4	5
Permit primitive camping at appropriate places along long distance OHV trails.	1	2	3	4	5
Develop additional campsites designed specifically for OHV users.	1	2	3	4	5

**YOUR ECONOMIC BENEFITS OF OFF-HIGHWAY VEHICLE USE**

30. An important aspect of the public discussion about Off-Highway Vehicle (OHV) use concerns the local economy and the effects different policies may have on it. To improve our understanding, we need to know **what you spend on average** on your OHV trips in Tennessee. The information will be used to calculate the economic effects of "off-highway vehicle use" on state and local economies. Please write down your best estimate of the average of what you spend for each kind of item.

<b>ITEM</b>	<b>Total for Average Trip</b>
<b>Lodging:</b>	
Hotels, motels, bed/breakfast, cabin	\$ _____
Public campgrounds for RV, tent, camper	\$ _____
Private campgrounds for RV, tent, camper	\$ _____
Rental home, cottage, camper	\$ _____
<b>Food &amp; Beverages:</b>	
Food and drinks at restaurant meals (including tips)	\$ _____
Food and drinks purchased at a convenience store	\$ _____
Groceries at a food store	\$ _____
<b>Transportation to OHV Site:</b>	
Rental fees for: RV, trailer, motorcycle, etc.	\$ _____
Gasoline and oil	\$ _____
Repair and service for automobile, RV, motorcycle	\$ _____
Parking fees, tolls	\$ _____
Other transportation: _____	\$ _____
<b>Off-Highway Vehicle:</b>	
OHV rental fees	\$ _____
OHV repairs and service	\$ _____
Trail use, entry, or parking fees on public land	\$ _____
Trail use, entry, or parking fees on private land	\$ _____
Gasoline and oil for OHV	\$ _____

**Other Expenses:**

Entertainment (refreshments, dancing, amusement, etc.)	\$ _____
Retail goods other than groceries	\$ _____
Fishing supplies	\$ _____
Hunting supplies	\$ _____
Other types of equipment rentals	\$ _____
Souvenirs	\$ _____
Other (please list): _____	\$ _____
_____	\$ _____

31. How many people, including yourself, do you financially support on an average trip?  
 \_\_\_\_ # of children under 18      \_\_\_\_ # of adults 18 and older

32. Please estimate the amount of money you spent on OHV related expenditures **in Tennessee** during the **last 12 months** for:

OHVs purchased (ATV's/4-wheelers, dirt bikes/dual sport motorcycles, 4-WD Trucks/jeeps, sport utility vehicles and rail buggies/dune buggies)	\$ _____
Repairs	\$ _____
Modifications/upgrades ( <i>special tires, mufflers, controls, engine, etc.</i> )	\$ _____
Routine maintenance ( <i>engine, shocks, forks, tires, filters, etc.</i> )	\$ _____
Support vehicles purchased exclusively for OHVs ( <i>trailer, car carrier, etc.</i> )	\$ _____
Other support equipment purchased exclusively for OHVs ( <i>air compressor, pressure washer, welder, etc.</i> )	\$ _____
Riding apparel purchased exclusively for OHV activities	\$ _____
Insurance	\$ _____
Membership in OHV clubs or organizations	\$ _____
Other (Please List): _____	\$ _____

**Total OHV Related expenditures in Tennessee in the last 12 months**  
**(Add all expenditures listed under this Question (#32) above):** \$ \_\_\_\_\_

**YOUR PROBLEMS IN OFF-HIGHWAY VEHICLE USE AREAS**

33. To what extent do you think each of the following is a **problem** in the OHV areas you most frequently use. (Circle one response for each statement.)

Statement:	Not a Problem	Minor Problem	Moderate Problem	Serious Problem
Too many rules and regulations.	1	2	3	4
Too few rules and regulations.	1	2	3	4
Poor communication of rules and regulations.	1	2	3	4
OHV impacts to vegetation.	1	2	3	4
OHV impacts to soil.	1	2	3	4
OHV impacts to wildlife.	1	2	3	4
Temporary closure of the area you most frequently use due to damage.	1	2	3	4
OHV impacts on water.	1	2	3	4
Noise from OHVs.	1	2	3	4
Litter.	1	2	3	4
OHVs travelling too fast.	1	2	3	4
Lack of suitable campsites.	1	2	3	4
Availability of parking places for your support vehicle at access points.	1	2	3	4
Inadequate facilities at campsite.	1	2	3	4
OHV "play" activities like "mudding".	1	2	3	4
Other problems, please list:	1	2	3	4
_____	1	2	3	4
_____	1	2	3	4
_____	1	2	3	4

34. Below is a list of management actions that have been taken in other recreation areas to **reduce visitor conflicts and some environmental impacts**. For each management action, please indicate your level of support or opposition. (Circle one response for each statement.)

Management Actions:	Strongly Oppose	Somewhat Oppose	Neutral	Somewhat Support	Strongly Support
Accommodate OHV use on designated and maintained travel routes.	1	2	3	4	5
Educate the visitor on low impact practices.	1	2	3	4	5
Reduce OHV user numbers in recreation areas.	1	2	3	4	5
Modify OHV's design, weight, and/or size to reduce their impact.	1	2	3	4	5
Influence where OHV visitors go.	1	2	3	4	5
Influence time (e.g. season of year) of OHV visitor use.	1	2	3	4	5
Provide regular opportunities for OHV users to meet with recreation management staff about OHV management issues.	1	2	3	4	5

**SATISFACTION OF OFF-HIGHWAY VEHICLE USERS**

We would like to know your **satisfaction** with OHV opportunities, management, and experiences in Tennessee. Please consider all of your visits, not one particular place or day.

35. Please circle the response which best describes your own feelings about **OHV opportunities** in Tennessee.

Very Satisfied	Somewhat Satisfied	Neutral	Somewhat Dissatisfied	Very Dissatisfied
1	2	3	4	5

36. Please circle the response which best describes your own feeling about **OHV management** in Tennessee.

Very Satisfied	Somewhat Satisfied	Neutral	Somewhat Dissatisfied	Very Dissatisfied
1	2	3	4	5

37. Please circle the response which describes your own feelings about your **OHV experiences** in Tennessee.

Very Satisfied	Somewhat Satisfied	Neutral	Somewhat Dissatisfied	Very Dissatisfied
1	2	3	4	5

**ENVIRONMENTAL AWARENESS**

38. We would like to get your opinion on a wide range of **environmental issues**. For each of the following statements, please indicate the extent to which you **agree or disagree**. (Circle your appropriate answer for each statement.)

Statements:	Strongly Agree	Somewhat Agree	Unsure	Somewhat Disagree	Strongly Disagree
We are approaching the limit of the number of people the earth can support.	1	2	3	4	5
Humans have the right to modify the natural environment to suit their needs.	1	2	3	4	5
When humans interfere with nature it often produces disastrous consequences.	1	2	3	4	5
Human ingenuity will insure that we do NOT make the earth unlivable.	1	2	3	4	5
Humans are severely abusing the environment.	1	2	3	4	5
The earth has plenty of natural resources if we just learn how to develop them.	1	2	3	4	5
Plants and animals have as much right as humans to exist.	1	2	3	4	5
The balance of nature is strong enough to cope with the impacts of modern industrial nations.	1	2	3	4	5
Despite our special abilities humans are still subject to the laws of nature.	1	2	3	4	5
The so-called "ecological crisis" facing humankind has been greatly exaggerated.	1	2	3	4	5
The earth is like a spaceship with very limited room and resources.	1	2	3	4	5
Humans were meant to rule over the rest of nature.	1	2	3	4	5
The balance of nature is very delicate and easily upset.	1	2	3	4	5
Humans will eventually learn enough about how nature works to be able to control it.	1	2	3	4	5
If things continue on their present course, we will soon experience a major ecological catastrophe.	1	2	3	4	5

**POTENTIAL STATE OFF-HIGHWAY VEHICLE PROGRAM**

Next, we would like to know your opinions about a **POTENTIAL** State Off-highway Vehicle Program in Tennessee.

39. Do you support or oppose:

	Strongly Oppose	Somewhat Oppose	Neutral	Somewhat Support	Strongly Support
a. One-time OHV operator safety certification?	1	2	3	4	5
b. Annual Off-Highway Vehicle registration fee?	1	2	3	4	5
c. A state government program to develop and maintain OHV areas?	1	2	3	4	5
d. A state government program to encourage agreements by the private sector to open some of their lands to OHV use?	1	2	3	4	5
e. Public/private partnerships to develop and manage OHV opportunities in Tennessee?	1	2	3	4	5
f. A non-governmental body or organization facilitating and managing the provision of OHV opportunities in Tennessee?	1	2	3	4	5

40. How much would you be willing to **pay per vehicle per day** to use an OHV area if those fees go back into maintenance and management of the area?

\_\_\_ Nothing at all \_\_\_ \$5.00 \_\_\_ \$7.50 \_\_\_ \$10.00 \_\_\_ \$15.00 \_\_\_ \$20.00

41. How much would you be willing to **pay per vehicle for a yearly fee** to use an OHV area if those fees go back into maintenance and management of the area?

\_\_\_ Nothing at all \_\_\_ \$20.00 \_\_\_ \$30.00 \_\_\_ \$40.00 \_\_\_ \$50.00 \_\_\_ \$75.00

42. How much would you be willing to **pay for an annual license fee** for your OHV if those fees were earmarked to develop OHV areas and an OHV safety training and education program in Tennessee?

\_\_\_ Nothing at all \_\_\_ \$20.00 \_\_\_ \$30.00 \_\_\_ \$40.00 \_\_\_ \$50.00 \_\_\_ \$75.00

43. We are interested in learning **where** you believe **money for a POTENTIAL** Off-Highway Vehicle Program should be spent. Please indicate whether each of the following items should be a Low, Medium, or High priority.

	Low Priority	Medium Priority	High Priority
Plan, develop and acquire land for new OHV area(s).	1	2	3
Maintain and restore existing OHV areas and trails.	1	2	3
Support facilities for OHV areas such as loading ramps, washing areas, parking lots, campgrounds, etc.	1	2	3
Information programs such as area/route maps, signing of trails and access points.	1	2	3
Safety and environmental education programs such as OHV driving, OHV safety inspection, low impact training, and environmental awareness.	1	2	3
Volunteer program.	1	2	3
Fee collection program.	1	2	3
Law enforcement/patrol.	1	2	3
Special event management.	1	2	3

44. Do you support or oppose:

	Strongly Oppose	Somewhat Oppose	Neutral	Somewhat Support	Strongly Support
a. The requirement that <b>children wear helmets</b> while driving/riding an ATV or motorcycle?	1	2	3	4	5
b. The requirement that <b>adults wear helmets</b> while driving/riding an ATV or motorcycle?	1	2	3	4	5

## DEMOGRAPHICS

Finally, we would like to know some general information about you and your family in order to make comparisons among the many kinds of visitors to public lands in Tennessee. Remember that all information is voluntary and confidential and will not be identified with your name. You may refuse to answer any questions.

45. What county do you live in? \_\_\_\_\_ County

46. What is your zip code? \_\_\_\_\_

47. What is your age? \_\_\_\_\_

48. What is your gender? \_\_\_\_\_ Male \_\_\_\_\_ Female

49. Which of the following best describes your ethnic origin?

\_\_\_\_\_ White \_\_\_\_\_ Native American  
\_\_\_\_\_ African-American \_\_\_\_\_ Asian-American or Pacific Islander  
\_\_\_\_\_ Hispanic \_\_\_\_\_ Other \_\_\_\_\_

50. What is your present marital status?

\_\_\_\_\_ Single \_\_\_\_\_ Married \_\_\_\_\_ Separated/Divorced \_\_\_\_\_ Widowed

51. How many children do you have under 18? \_\_\_\_\_ # of children

52. How many people live in your household in the following age groups?

\_\_\_\_\_ under 15 \_\_\_\_\_ 15-24 \_\_\_\_\_ 25-54 \_\_\_\_\_ 55 – 64 \_\_\_\_\_ 65 or older

53. What is the highest grade of school that you completed?

\_\_\_\_\_ 8<sup>th</sup> grade or less \_\_\_\_\_ Some college  
\_\_\_\_\_ 9<sup>th</sup> - 11<sup>th</sup> grade \_\_\_\_\_ College graduate  
\_\_\_\_\_ High school graduate or GED \_\_\_\_\_ Post-graduate degree  
\_\_\_\_\_ Trade/vocational school \_\_\_\_\_ Other: \_\_\_\_\_

54. In which of the following kinds of places did you **spend the most time while growing up to age 18?** (Please check only one answer.)

\_\_\_\_\_ On a farm or ranch.  
\_\_\_\_\_ In the country, but not on a farm or ranch.  
\_\_\_\_\_ Small town (2,500 or fewer people).  
\_\_\_\_\_ Town or small city (between 2,500 and 25,000 people).  
\_\_\_\_\_ City (between 25,000 and 100,000 people).  
\_\_\_\_\_ Suburb of a large city.  
\_\_\_\_\_ Large city (over 100,000 people).

55. When you were growing up, did your **parents or close relative** use an Off-Highway Vehicle for transportation or enjoyment?

\_\_\_\_\_ Yes \_\_\_\_\_ No

56. Do you **own 10 acres** or more of land in Tennessee? \_\_\_\_\_ Yes \_\_\_\_\_ No

Do you **allow OHV recreation** on your property? \_\_\_\_\_ Yes \_\_\_\_\_ No

If YES, do you **charge a fee** for OHV recreation on your property? \_\_\_\_\_ Yes \_\_\_\_\_ No

57. Do you currently belong to any of the following kinds of **organizations?** (Please check all that apply.)

\_\_\_\_\_ Conservation-protection groups, such as the Audubon Society or the Sierra Club.  
\_\_\_\_\_ Wildlife conservation groups, such as Ducks Unlimited.  
\_\_\_\_\_ Fish conservation groups like Trout Unlimited.  
\_\_\_\_\_ Rod and gun clubs.  
\_\_\_\_\_ Motorcycle clubs.  
\_\_\_\_\_ Dune-buggy clubs.  
\_\_\_\_\_ Jeep and four-wheel drive owners' associations.  
\_\_\_\_\_ ATV clubs.

58. From the list above, please write in the **name of the organization** in which you are most active. \_\_\_\_\_

59. In what type of community do you **now live**?

- On a farm or ranch.
- In the country, but not on a farm or ranch.
- Small town (2,500 or fewer people).
- Town or small city (between 2,500 and 25,000 people).
- City (between 25,000 and 100,000 people).
- Suburb of a large city.
- Large city (over 100,000 people).

60. What is your current **occupation**? (Mark only one.)

- |   |   |
|---|---|
| <input type="checkbox"/> Manager or executive         | <input type="checkbox"/> Sales Worker               |
| <input type="checkbox"/> Professional worker          | <input type="checkbox"/> Service Worker             |
| <input type="checkbox"/> Owner of business or farm    | <input type="checkbox"/> Unemployed                 |
| <input type="checkbox"/> Skilled trade or craft       | <input type="checkbox"/> Retired                    |
| <input type="checkbox"/> Semi-skilled worker, laborer | <input type="checkbox"/> Student                    |
| <input type="checkbox"/> Clerical or office worker    | <input type="checkbox"/> Homemaker                  |
| <input type="checkbox"/> Permanently disabled         | <input type="checkbox"/> Other (Please List): _____ |

61. What is your current **job title**? \_\_\_\_\_ ?

62. Do you consider yourself to be a:

- Republican    Democrat    Third-party    Independent

63. Which of these intervals includes your total **household income** from all sources before taxes during 2000. (Check the appropriate category.)

- |  |   |  |
|--|---|--|
| <input type="checkbox"/> under \$10,000      | <input type="checkbox"/> \$10,000 - \$19,999  | <input type="checkbox"/> \$20,000 - \$24,999 |
| <input type="checkbox"/> \$25,000 - \$29,999 | <input type="checkbox"/> \$30,000 - \$39,999  | <input type="checkbox"/> \$40,000 - \$49,999 |
| <input type="checkbox"/> \$50,000 - \$74,999 | <input type="checkbox"/> \$75,000 - \$100,000 | <input type="checkbox"/> More than \$100,000 |

**Thank you for your participation in this survey!**

**If there are any further comments you wish to make, please use the space below.**

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# Appendix 2

## (OHV Telephone Survey)

**OHV PHONE SURVEY  
(Computer Programmed)**

**Hello, this is \_\_\_\_\_ calling from The University of Tennessee. We are conducting a study about Off-Highway Vehicle (OHV) recreational activities and their economic impact in Tennessee.**

a. Have you or anyone in your household driven or ridden an Off-highway vehicle (such as ATV's or 4-wheelers, dirt bikes or dual sport motorcycles, 4-wheel drive trucks and jeeps, sport utility vehicles and rail buggies or dune buggies) for work or recreational purposes in the past 12 months?

\_\_\_\_\_ NO, Thank you for your time and have a good evening.  
 \_\_\_\_\_ YES

b. [IF YES] How many people in your household have used an OHV in the past twelve months including yourself? \_\_\_\_\_

c. Of those \_\_\_\_\_ people, how many are 18 years of age or older? \_\_\_\_\_

d. Of those \_\_\_\_\_ people, May I please speak to the person who is **the primary OHV user** in the household?

(IF ONLY 1) Are you 18 years of age or older? IF YES, continue?  
 IF NO, Thank you very much.

(IF NEW PERSON – REPEAT INTRODUCTION)

This study is being conducted for a Committee appointed by Governor Sundquist to develop recommendations for a potential OHV recreation program in Tennessee. Your participation in this study is very important to understanding the activities and views of people who use OHVs for work and recreational purposes. Your participation is voluntary. Your responses are confidential and will not be associated with your name. You may refuse to answer any question at any time.

First I would like to ask you some questions about you and your family's participation in Off-highway vehicle recreation activities in Tennessee.

(Off-highway vehicle is defined as an ATV or 4-wheeler, dirt bike or dual sport motorcycle, 4-wheel drive truck or jeep, sport utility vehicle, a rail buggy or dune buggy)

1. A. How many of the following OHV vehicles do you personally own, if any, that are: \_\_\_\_\_ None?  
**registered** for highway use:  
**not registered** for highway use:

(Please use "0" if none)	# Registered for Highway Use	# Not Registered for Highway Use
a. Off Highway Motorcycle	_____	_____
b. ATV	_____	_____
c. 4-wheel drive vehicle or truck	_____	_____
d. Rail buggy or dune buggy	_____	_____

2. How many of the following vehicles do the other \_\_\_\_\_ (# Question b -1 ) OHV user(s) in your household own, if any, that are:

Registered for highway use: \_\_\_\_\_ None ?  
 Not registered for highway use:

(Please use "0" if none)	# Registered for Highway Use	# Not Registered for Highway Use
a. Off Highway Motorcycle	_____	_____
b. ATV	_____	_____
c. 4-wheel drive vehicle or truck	_____	_____
d. Rail buggy or dune buggy	_____	_____

3. Do you use the OHV(s) that you personally own for work purposes? (Please do not include driving to and from work).  
\_\_\_\_ NO  
\_\_\_\_ YES If Yes, what percent of the time do you use your OHV for work/recreation? \_\_\_\_%Work \_\_\_\_%Recreation
- 

4. Have you driven or ridden in an off-highway vehicle or OHV in Tennessee for recreational purposes during the last 12 months on roads not regularly maintained for public use or over any trails or open terrain?  
\_\_\_\_ NO IF NO, go to Question 4b then to Question 20.  
\_\_\_\_ YES

- 4a. (IF YES) How many times have you driven or ridden in each of the following vehicle(s) off-highway for recreational purposes during the last 12 months?

- |                                      | Individual - # of times driven or ridden |
|--------------------------------------|--|
| a. Off-highway motorcycle            | _____                                    |
| b. ATV                               | _____                                    |
| c. Four wheel drive vehicle or truck | _____                                    |
| d. Rail buggy or dune buggy          | _____                                    |

**IF NO OTHER OHV USERS IN HOUSEHOLD, GO TO Q5.**

**IF ONLY ONE OTHER OHV USER IN HOUSEHOLD, SAY**

- 4b. Did the other OHV user in your household drive or ride in an off-highway vehicle or OHV in Tennessee for recreational purposes during the last 12 months on roads not regularly maintained for public use or over any trails or open terrain?  
\_\_\_\_ YES      \_\_\_\_ NO      \_\_\_\_ Don't Know

**IF THERE ARE THREE OR MORE OHV USERS IN THE HOUSEHOLD**

- 4c. Of the other \_\_\_\_ (# from Question b. in introduction) OHV users in your household, how many have driven or ridden in an off-highway vehicle in Tennessee for recreational purposes during the last 12 months on roads not regularly maintained for public use or over any trails or open terrain?  
\_\_\_\_\_ # of people

5. What is the name of the OHV area that you use most often? \_\_\_\_\_
6. What county is that in? \_\_\_\_\_
7. How many miles do you live from this area? \_\_\_\_\_ Miles
8. How many trips have you taken to this site in the last 12 months? \_\_\_\_\_ # of Trips
9. Why do you ride in this area most often? (*open ended*)  
\_\_\_\_ It is easy to get to.  
\_\_\_\_ It is one of my favorite places to ride.  
\_\_\_\_ There is no other place to ride.  
\_\_\_\_ I can afford to go there.      \_\_\_\_ Other \_\_\_\_\_

10. Is there an area where you would prefer to ride more often, including areas that might be closed?  Yes  No
11. IF YES, What is the name of the OHV area that you would prefer to use? \_\_\_\_\_  
 What county is that in? \_\_\_\_\_  
 How many miles do you live from this area? \_\_\_\_\_ Miles  
 Why would you prefer to ride this area? \_\_\_\_\_
12. Overall, how many trips have you taken for OHV recreational purposes in the last twelve months where you traveled more than 25 miles to your OHV area? \_\_\_\_\_ number of trips

Next, I would like to ask you a few questions about the trips you take using your OHV for recreational purposes.

13. Would you say that you "never, sometimes, or always" ride your OHV:

	Never	Sometimes	Always
alone	1	2	3
with friends	1	2	3
with family members	1	2	3
with a club	1	2	3
in Off-Highway Vehicle races or events	1	2	3
in Off-Highway Vehicle rides for fund raisers	1	2	3

14. a. On average, how many people are usually with your group when you ride your OHV? \_\_\_\_\_ number of people  
 b. On average, how many vehicles are usually with your group when you ride your OHV? \_\_\_\_\_ number of vehicles

Now I would like to ask you a few questions about your OHV activity preferences.

15. When you use your OHV for recreational purposes, which of the following are you most interested in: *(Choose one)*  
 Enjoying the OHV activity itself.  
 Enjoying the place you are visiting.  
 Using your OHV to get to another recreational activity.

16. During a typical year when you take OHV trips in Tennessee, do you participate in any of the following recreation activities? (yes/no)

- |  |   |
|--|---|
| <input type="checkbox"/> Hunting                     | <input type="checkbox"/> Picnicking       |
| <input type="checkbox"/> Animal/birdwatching         | <input type="checkbox"/> Swimming         |
| <input type="checkbox"/> Fishing                     | <input type="checkbox"/> Photography      |
| <input type="checkbox"/> Camping                     | <input type="checkbox"/> Horseback riding |
| <input type="checkbox"/> Hiking/backpacking          | <input type="checkbox"/> Sightseeing      |
| <input type="checkbox"/> Just the fun of OHV driving | <input type="checkbox"/> Other _____      |

17. When making a choice of where to drive off-highway do you generally prefer: *(Choose one in each pair)*

\_\_\_\_\_ to visit the same area or

\_\_\_\_\_ to seek different areas?

\_\_\_\_\_ to be in relatively flat open terrain such as a field, or

\_\_\_\_\_ to be in hilly mountainous terrain?

\_\_\_\_\_ to drive on roads and trails with few obstacles, or

\_\_\_\_\_ to drive on rugged steep, rocky roads and trails?

\_\_\_\_\_ to be on roads and trails that are marked, or

\_\_\_\_\_ to be on roads and trails that are unmarked/unknown?

\_\_\_\_\_ to be on designated roads and trails or

\_\_\_\_\_ to be off roads and trails?

Next, I would like to ask your opinions about a **POTENTIAL** State Off-highway Vehicle Program in Tennessee.

18. Do you support or oppose:

	Strongly Oppose	Somewhat Oppose	Neutral	Somewhat Support	Strongly Support
a. One-time OHV operator safety certification?	1	2	3	4	5
b. Annual Off-Highway Vehicle registration fee?	1	2	3	4	5
c. A state government program to develop and maintain OHV areas?	1	2	3	4	5
d. A state government program to encourage agreements by the private sector to open some of their lands to OHV use?	1	2	3	4	5
e. Public/private partnerships to develop and manage OHV opportunities in Tennessee?	1	2	3	4	5
f. A non-governmental body or organization facilitating and managing the provision of OHV opportunities in Tennessee?	1	2	3	4	5

19. How much would you be willing to pay per vehicle per day to use an OHV area if those fees go back into maintenance and management of the area?

\_\_\_\_\_ Nothing at all    \_\_\_\_\_ \$5.00    \_\_\_\_\_ \$7.50    \_\_\_\_\_ \$10.00    \_\_\_\_\_ \$15.00

20. How much would you be willing to pay per vehicle for a yearly fee to use an OHV area if those fees go back into maintenance and management of the area?

\_\_\_\_\_ Nothing at all    \_\_\_\_\_ \$30.00    \_\_\_\_\_ \$40.00    \_\_\_\_\_ \$50.00    \_\_\_\_\_ \$75.00

21. How much would you be willing to pay for an annual license fee for your OHV if those fees were earmarked to develop OHV areas and an OHV safety training and education program in Tennessee?

\_\_\_\_ Nothing at all    \_\_\_\_ \$20.00    \_\_\_\_ \$30.00    \_\_\_\_ \$40.00    \_\_\_\_ \$50.00

22. We are interested in learning where you believe money for a **POTENTIAL** Off-highway Vehicle Program should be spent. Please tell me whether each of the following items should be a low, medium, or high priority.

(Rotate items below)

\_\_\_\_ Plan, develop and acquire land for new OHV area(s)

\_\_\_\_ Maintain and restore existing OHV areas and trails

\_\_\_\_ Develop support facilities for OHV areas such as loading ramps, washing areas, parking lots, campgrounds, etc.

\_\_\_\_ Information programs such as area/route maps, signing of trails and access points

\_\_\_\_ Safety and environmental education programs such as OHV driving, OHV safety inspection, low impact training, environmental awareness, low impact training

\_\_\_\_ Volunteer program

\_\_\_\_ Fee collection program

\_\_\_\_ Law enforcement/patrol and special event management

Finally, we would like some information about you and your family. This information will only be used for statistical purposes to make general statements about the types of people who are Off-highway recreationists. Remember that **all information is voluntary and confidential, and will not be identified with you name.**

23. What county do you live in? \_\_\_\_\_ County

25. What is your zip code? \_\_\_\_\_ Zip Code

25. What is your age? \_\_\_\_\_ yrs.

26. Gender? \_\_\_\_\_ Male    \_\_\_\_\_ Female

27. Which of the following best describes your ethnic origin?

\_\_\_\_ White

\_\_\_\_ Black

\_\_\_\_ Hispanic

\_\_\_\_ American Indian

\_\_\_\_ Asian or Pacific Islander

28. What is the highest grade of school that you completed?

1      8 years or less

2      9 - 11 years

3      High school graduate (12)

4      Trade/vocational school

5      Some college (13-15)

6      College graduate (16)

7      Post-graduate (17+)

8      Other (**SPF**) \_\_\_\_\_

9      Refused

29. In what type of community **do you now live**?

- on a farm or ranch
- in the country but not on a farm or ranch
- a small town (2,500 or fewer people)
- a town or small city (between 2,500 and 25,000 people)
- a city (between 25,000 and 100,000 people)
- a suburb of a large city
- a large city (over 100,000 people)

30. I am going to read you a list of income categories for household income from all sources before taxes during 2000. Please stop me when I get to yours.

- 1 Under \$10,000
- 2 \$10,000 to \$19,999
- 3 \$20,000 to \$24,999
- 4 \$25,000 to \$29,999
- 5 \$30,000 to \$39,999
- 6 \$40,000 to \$49,999
- 7 \$50,000 to \$74,999
- 8 \$75,000 to \$100,000
- 9 More than \$100,000
- 10 Don't know **[DNT RD]**
- 11 Not reported/refused

31. That completes the OHV survey that we do by phone, however, the Tennessee OHV Committee needs additional information about your OHV activities and preferences for state OHV planning purposes. Would you be willing to participate in a mail survey for the OHV Planning Committee?

- NO
- YES - In order to send you our mail survey, I need to get your

Name: \_\_\_\_\_

Address: \_\_\_\_\_

City: \_\_\_\_\_ State \_\_\_\_\_

32. Do you have any additional comments for the Off-highway Vehicle Planning Committee about Off-highway Vehicle use in Tennessee? (Interviewer will type in comments)

**Thank you for your participation in this survey.**

Appendix 3  
(Comments from Survey  
Respondents by Subgroup)



**Additional comments for the OHV Planning Committee about Off-Highway Vehicle use in Tennessee**

- 26 Keep it open.
- 98 I think there should be an area designated for off highway vehicle driving for recreation because it destroys the environment. This is excluding farming because that is private property and belongs to them.
- 143 The survey is too long.
- 153 Make it happen. I would like to see more property.
- 297 They should regulate some but not going overboard. There should be a small fee for educational purposes. Where the area that you have for hunting and fishing that are a little primitive without a pump for water, or outhouses. It is important for safety equipment on the 4 wheelers and other ATVs. I would not agree to a fee of \$30.00 for vehicles that are already registered like a jeep. But it's a good idea for ATVs only if it was a small fee.
- 329 It would be very beneficial for counties to have a place to go be with others and meet new people.
- 367 There should be some kind of training for everyone to know the laws and the safety. And that's how the money should be used.
- 369 Restore all the land that we can't ride in.
- 420 There's no place to ride here in northeast Tennessee. We have to go to North Carolina to ride trails. I wouldn't mind paying a buck to ride a trail if it were available.
- 473 Less reaction towards limited places to ride a two stroke and more land to ride on in general.
- 520 I think people should realize that recreational vehicles should be used for the purposes they were intended instead of just driving them to and from work. OHV's use too much gas to be economical or environmentally safe if you just need any mode of transportation.
- 533 It's a good thing that they are looking into it more.
- 585 A need for an organized area, but I would want a good look at the environmental impact.
- 573 Forest rangers need more training.
- 661 There should be some kind of safety program implemented for children and adults that are careless who need instruction and discipline because OHVs are dangerous vehicles.
- 692 We need more area for off highway recreational activities.
- 680 I think it's great if off highway driving is managed, but I would not like to see the forests and land destroyed.
- 710 I don't know anything about laws in Tennessee; I just recommend a helmet.
- 797 I do not believe in it. We have very little pristine land left and we do not need to destroy it and that's what I think OHV driving does.
- 835 I can't disagree with having one, it would be good for people who ride, especially the people who ride more than me.
- 859 OHV should be restricted. They do an awful lot of damage to the terrain.
- 881 All common sense.
- 906 People using the facilities need to pay for it. Not everyone that owns an ATV. If you don't use the land you don't need to pay.
- 919 The importance of education to the owners and keeping them off of the public road. Better understand where they should be riding them.
- 985 I don't want to see the government get involved; State or federal.
- 986 Continue to let us enjoy our beautiful state.
- 1127 They seem to do fairly well. I have seen some new trails. Keep a good eye on how money is being spent.
- 1234 My personal feeling is that when we start regulating all of that it gets out of hand. I like to do those things because it's not regulated.
- 1387 The people in the rural areas should have more say so about this kind of thing than the urban people because we're the ones it affects.
- 1400 The safer the better.

**Additional comments for the OHV Planning Committee about Off-Highway Vehicle use in Tennessee - cont.**

- 1425 They need to be made as safe as possible. Some of the highways need to be kept up and residential streets need to be kept up too.
- 1554 To have designated areas is a good idea so people will not drive private properties.
- 1689 I would love to use my vehicle off-highway in Tennessee, but as far as I know there are no legal publicly owned places to do that besides Land Between the Lakes in Tennessee and that is too far to go.
- 1698 I have mixed feelings due to environmental destruction in National Forests.
- 1732 Learn ride properly and respect the land.
- 1819 We need more places to ride, more safety and the program needs to be enforced. There's no sense in setting up a program and if it won't be enforced. Fees should be specifically earmarked for OHV only.
- 1829 Hurry up and get a place to ride.
- 1860 There is a resource manager of public lands. There is an ever increasing problem on our public lands. There are designated roads on some public lands. They pile into a place and dominate the land.
- 1892 If the OHV users stay on the trails that would be great.
- 1899 I think it is important to have accessible areas in the state parks that can be shared by anybody.
- 1924 A lot of people are out there who don't know what they are doing on the ATVs. I like nice areas that haven't been messed up yet.
- 2011 I think it's a good idea.
- 2118 I don't believe in riding dune buggies in the mountains and causing soil erosion. We have government agencies that can determine whether our roads can be used or should be closed. I don't think the environment should be abused.
- 2214 I wish they didn't ride in the back of a pickup truck.
- 2247 We need more trails.
- 2342 They should be registered, have spark free exhaust systems and training courses.
- 2360 I'm against any government organized committee that infringes on these things.
- 2390 Folks who use OHVs should pay the bulk of fees. A one time fee would not be as good as paying each time I use it.
- 2411 I'd like to see it in the wildlife management areas and there should be a first-time buyer education certification thing.
- 2430 Drivers shouldn't be under 18.
- 2472 Push the safety laws stronger. Enforce laws about helmets and age requirement.
- 2470 Don't go against the hybrids.
- 2488 It would be nice to have little thing where they sold snack foods, had bathrooms and maps in these bigger management areas.
- 2559 Land Between the Lakes needs an off-road area.
- 2616 It would be a good idea if they would hold meetings in each area about off highway driving to get everybody's opinions.
- 2660 I recommend that helmets are mandatory.
- 2723 If you are going to include the community for off road use then that is great. If you are going to take that away, then you need to keep their nose out of that. I am for safety!
- 2716 Stop graveling trails because it yields more vehicles and garbage. Leave the trails more natural.
- 2745 We need places for off-road recreation.
- 2808 I would hate to see nice looking forest areas torn up for use for these vehicles.
- 2841 ATVs are dangerous. Everyone needs some kind of training before they use one. You could get killed if you don't have a good orientation.
- 2881 Shouldn't be near horse trails or other animal areas or walking trails to avoid collisions.
- 2905 It's a good idea but I don't want really young kids riding.

**Additional comments for the OHV Planning Committee about Off-Highway Vehicle use in Tennessee - cont.**

- 3011 I don't think that they should strongly restrict areas because it would just cause trouble. I don't think they should create too many rules because it's just people out having fun.
- 3017 Keep it environmentally friendly.
- 3050 They should have more areas for legal use in Tennessee. Some advantage for the people to use these areas is that it would cut down on the crime of trespassing on closed property.
- 3071 If they were to do this program, would they restrict me from driving on my own land because I'm legally blind?
- 3111 I think a lot of people use that sort of vehicle to get into areas that they shouldn't be in. I am totally against that sort of thing.
- 3124 Good luck.
- 3210 I'd like to see some more trails in Tennessee. I have to drive out of state for recreation and I end up spending money that goes to another state.
- 3235 We need more recreational areas to ride.
- 3238 I strongly dislike seeing riders riding on the highway with off road vehicles especially when they are not wearing helmets.
- 3373 There needs to be more places to go and ride. The best places to ride was 5 minutes from my house and they closed it because of public nuisance. There needs to be a legal place for OHV riders to enjoy themselves and not disturb the public.
- 3340 I hunt and I know people who do that, but there is nowhere to ride anymore. It would be great to work together to get some of these roads open again. If people are found messing them up they should be punished.
- 3411 When it snows people tend to go too fast and they get careless when they get on the highway. It gives us a bad name.
- 3453 Unnecessary. I don't think the state should pay for an area where people can go off road.
- 3588 Education on the impact that comes from the use on the woods and land.
- 3597 Be primarily concerned with regulating OHV areas and preserving non-OHV areas.
- 3629 Don't do it.
- 3636 I hunt and fish so I appreciate the roads through Cherokee National Forest.
- 3653 I love my SUV and do not want any other kind of car. They are much safer.
- 3671 The children I see driving them are not wise with them. They drive them unsafely. Some of the land owners are having trouble with people using their land without permission. I think that all the OHV's should be automatic, I think it would be more safe, especially if they are kids and they can't go fast on them.
- 3777 They need to restrict the age limit of who can use them.
- 3781 We should have a state income tax for our roads.
- 3799 We go to Land Between the Lake. The OHV is separate than the horse trails. They have a good set up.
- 3899 I always had a four wheel drive and I love it. I use it for everything.
- 3910 I bought the OHV because it has four wheel drive. Need it to go over the mountains.
- 4012 I don't think that anyone should be allowed to drive off road in the wilderness.
- 4013 I want to be able to ride on the Big South Fork to use the water for recreation.
- 4071 They have closed a bunch of areas and that sucks.
- 4087 I think that OHV driving is not something that the state should be involved in.
- 4129 They really need some designated places. I think it's too dangerous and that's the main reason I don't drive off road.
- 4134 I like age requirements.
- 4144 The less government the better.
- 4166 I absolutely believe it is the ruining of our land.
- 4165 They need to restrict it to stay away from the national parks and areas where noise pollution would disturb the wildlife.

**Additional comments for the OHV Planning Committee about Off-Highway Vehicle use in Tennessee - cont.**

- 4207 It would be good if they maintain the old ones but new ones are not really necessary.
- 4214 Designate areas in already existing areas so they don't have to acquire new lands.
- 4246 I don't particularly think they're safe. I enjoy mine but I would not let my 13 year old have one when she's sixteen. Too much wind and not enough reliability on freeways.
- 4251 I participate in AMA and am a member of a riding club in Alabama where we pay a fee to lease 400 acres of timber land that we ride on.
- 4292 There's nothing wrong with charging an annual fee. It should be taken and invested. Therefore we would be the leaving money in the pot.
- 4337 I disagree with taxation of OHVs on an annual basis but fee for use of OHV trails and roads is OK.

**Additional comments for the OHV Planning Committee about Off-Highway Vehicle use in Tennessee - cont.**

- C People who purchase state hunting and fishing license should not have to purchase OHV permits. I pay to use streams and rivers, why not make the kayakers help pay? The prices of the residential hunt/fish license in this state are ridiculous. Hunttable areas should be closed to bikers, kayaks, and horses during game hunting season, only hunters allowed.
- F2 Due to the closing of riding areas in middle Tennessee, and/or the lack of riding areas statewide, I (we) usually travel to KY, NC, GA or IN to do the majority of riding. If there were more areas in Tennessee the days, ride #s, and dollar amount spent would have increased dramatically. My club and every other club in the SFWDA would be more than glad to spend time and money assisting the building maintenance, etc. of riding areas. A area that you did not cover on this question booklet is time and money spent volunteering for trail maintenance and park clean up. Many people spend a lot of time (3-4 hr. drive each way) and money (trash bags, equipment, gas, food, etc) just to help out the parks and forestry service during a clean up. There should be a calendar of events for these so more people could plan to attend.
- 5 I have an SUV. I went on one trip recently with my son-in-law who owns a rail buggy. My son has recently purchased a 4 wheeler ATV. I have ridden it twice in a field behind our house. So, you can see my experience with OHVs other than my Explorer has been limited.
- 52 I would like to thank you for your interest in OHVs. I hope this will help you and help the riders in Tennessee have more places to enjoy the state better.
- 74 Send me a copy of the results.
- 133A Last weekend, my wife, my dog and I went on a camping trip down the Nolichucky River. We canoed, fished and camped on an island; we had a great time. As we broke camp the second day, we were surprised by a kayaker at the river bank. (We were not fishing, the poles were in the bottom of the canoe) We said "Hello," he asked if we'd been fishing. We said, "Law, yeah!" Then he identified himself as being a wildlife officer and said when we showed our fishing licenses, he'd be on his way. (I have hunted, fished, camped, etc. for 5 straight years and a license was never required.) We had no licenses and were fined and warned and required to purchase fishing licenses and pay court costs equaling 15 times the initial charge. We caught and released 6 fish ( 2 nice small mouth). We always practice care and conservation of nature, etc. It is becoming truly shameful when a supporter of the system cannot escape even to an island in the river to camp with out being subjected to unjustified search and harassment. In buying Sportsman's license the last 5 years and only hunting on family land, I have only supported everyone else's hunting on public land and the excessive enforcement of the regulations on these public places. I think I like pond fishing anyway.
- 157 Fishing licenses are high. I think we need a way to help keep our lands and water clean. A place for people to deposit trash so there is no excuse for them throwing it down. A fishing pier on a lake or river would be nice. I would pay \$2 a pole to fish on it. And more water in Douglas Lake all year.
- 171 I own approximately 100 acres where my son and I ride dirt bikes however I on occasion would enjoy going to some large area of land like a state park with long exploring type trails with remote camping and fishing sites with common sense rules and regulations. This place could also have a central area with restaurants and facilities and hotels. It could have areas with concentrated short trails, race tracks, camp sites, and activities for people that want to be around other people. In other words this place would have a central location where everybody would start from and pay a once time fee, then they could decide to be in populated areas or remote areas but still have access to facilities if they wanted.
- 198A We will be glad to participate or serve on any committees to organize and control ATV use in our area

**Additional comments for the OHV Planning Committee about Off-Highway Vehicle use in Tennessee - cont.**

- 249 Many of these questions were difficult to answer or didn't concern me because I don't drive off the highway often or directly for enjoyment. I only use a 4 wheel drive truck to get to hunting or fishing spots on rough woods roads or logging trails; or use it on my own property for chores like cutting wood or fencing. At the same time, I do have some concern about access to areas for ATVs because I have two young sons and I may want to have some ATVs for them and myself in the near future. I have about 70 acres and only allow my nephews to ride their ATVs here because the only access is so near my house. I thought these notes might help explain if some of my answers seem contradictory.
- 306 Most off road use for me is while I'm hunting or private land. My motorcycles and dune buggies were sold because of no place to ride.
- 373 If I can be any more help let me know.
- 448 Require all ATVs to be licensed and drivers pass a state exam on proper use. Require all ATV operators to have liability insurance and be held lawfully responsible for miss use and damage to private property. Require all ATV users to carry written permission to be on private property. I strongly believe if the current unregulated use of ATVs will cause a out cry from private property owners to pass/support laws on state land to stop all ATV use all together. The misuse of ATVs is on the increase each year!
- 462B This really didn't fit my description of riding. I use my 4-wheeler to hunt with. I scout, carry my stand in with it and drag deer out. I spend the money eating. We have a camper on private property. We stay and hunt for a week at a time. I used to ride dirt bikes at different places, but they eventually got closed and it became harder to find a place to ride such as Island F on Norris Lake. Now I ride my dual purpose bike anywhere I see a place I want to go there is different places around town where people have made impromptu trails.
- 571 I don't think our tax dollars should be spent on OHV recreational programs. If it can't support itself and make a profit, it shouldn't be started.
- 712 The riding trails that are close to where I live were closed. So I have lost my place to ride my 4 wheeler. I have recently put it up for sale and a friend of mine changed his mind about purchasing a 4 wheeler because of no place to ride. Cedars of Lebanon trails were not maintained and when major erosion was evident, the solution was to close the trails. With few trail markers and no guide lines, and severe environmental damage we have lost our privilege to ride.
- 731 We have a cabin up at Camden, TN and 4 wheelers run up and down the road regularly. They run real fast and no helmet. Kids play around here and cars and trucks with boats run up and down the road all the time. Laws need to be enforced to keep these vehicles off the main road.
- 780 The US government owns approximately 45% of Unicoi county. 4 wheelers are not allowed on any of the gravel or dirt roads. Many are closed during hunting season. 4 wheelers would not harm these roads. I object. The Forest Service and the TWRA act as though they own the land and control where you can use except on foot!!
- 838 Trespassing on private property is the number 1 problem!!! This must be stopped. Littering is the number 2 problem!! As a result of this I have closed all my property (1,000 acres) to public use. I had to.
- 880 I support and would be willing to take part in a four wheeler rescue team in case of emergency.
- 1240 I hope these answers are not misleading. For the record, the following best describes me and how I feel about OHV/ATV. I simply own a 4-wheel drive truck to use it as recreation; it's simply to get me there to the fishing/hunting spot. I personally do not like ATVs/4-wheelers and they should be banned from the woods, but realistically know they won't. Therefore, designated areas should be established for them, as should fees, either licensing or usage fees. I do think the noise and free run of ATVs does damage to the environment. If anyone is going to use them, there should be a required training course/driving to complete just like driving a car on the highway.

**Additional comments for the OHV Planning Committee about Off-Highway Vehicle use in Tennessee - cont.**

- 1410 I usually spend a lot of time hunting out West using a 4 wheel drive trucks and average 2 weeks yearly.
- 1498 My family enjoys OHV use frequently. It is already expensive so I oppose additional fees. My family tries to keep impact minimal, especially in fresh water areas. We don't throw Mountain Dew bottles out onto the ground like many OHV users do.
- 1507 In our area of riding OHVs we, as riders, take the time to clear and clean riding trails and fire lanes. This can help in cases of fire and emergency situations, drug task forces, etc. So please let our legislature know that we also try to preserve our natural resources and keep our state beautiful and that all OHV riders do not tear things up.
- 1515 I would love to get a list of legal riding areas in West Tennessee. I think that we should have both protected areas and areas for OHV use. There needs to be a balance between the two.
- 1593 I would like to make a comment on the environmental section of this survey. There is a misunderstanding that people in the off-road world are out to wreck the environment, this is not so. We use only use a small bit of the land and that seems to be what everyone looks at. The ATV club I recently joined has done a great job of improving the lit of land we use and the rest of the land that we do not. When we first gained use of the land there was tons of trash that had be dumped there. The club has spent the last five months of their time and money to clean it up. This is would should be recognized not the other junk. I also have some comments about the other questions if someone wishes to call.
- 1067 I don't own an ATV but my daughter (11) uses our friend's and do go riding on the mountain. We love the outdoors and explore the backwoods of Tennessee hunting and fishing. We would like to have feedback on the results of this survey. I enjoyed the participation. Any further questions email to goins@cafes.net.
- 1662 I live here in Unicoi county. There aren't really that many actual trails around here. Most of the so-called trails that I drive on are old logging roads or other old roads. I would love for some trails to be made around here. I t would be nice if you could have different ones in difficulty like beginner, intermediate, and expert.
- 1748 I have 1200 acres in KY. I use ATVs and 4 wheel drive pickups for hunting only. Living in Tennessee I have trouble with people destroying my property riding ATVs all over it. I've posted the land and still they come. I've found most ATV joy riders are very disrespectful to land owners. They have caused serious erosion to my property. My family also owns 15,000 acres along Hatchie River in Haywood and Tipton counties and it's managed and controlled by various hunting club leases, mainly for hunting and fishing only. Even with cables, gates and fences ATV joy riders are still a problem. I believe these people need to have a place to ride, yes, but it seems like they get a kick out of breaking the law. I do wish there was more places for them. It would save me and my family a lot of money.
- 1768 ALU and OTV should not be allowed to ride for pleasure during turkey and deer hunting season.
- 1937 I ride a Trials motorcycle in competition. Since there are few events in my area I ride it very seldom. It is a vehicle that is best ridden off of the trails. West Tennessee soil is highly erodible and few local areas can stand the off road traffic. I used to live in IL where we rode in gravel pits. These play areas were erosion proof, noise and dust tolerant places. They provided space for many riders in an urban area. I suggest that the state or other agencies consider buying these areas to allow kids a place to run motorbikes where they won't destroy the environment. Ignored in this study are mountain bikes. I used to do quite a bit of riding in TN state parks. Mountain bikes do minimal damage to the trails, are needlessly banned on some state park trails. Horses, another OHV, are animals that cause a great deal of erosion, leave a trail of pollution and are welcomed with open arms in many state parks. Go figure.

**Additional comments for the OHV Planning Committee about Off-Highway Vehicle use in Tennessee - cont.**

- A530 I would be willing to serve on development committee to establish an OHV program in Tennessee. Limited areas to ride in Tennessee. I am involved in the sale and installation of after market equipment to enhance off-road performance of OHVs.
- D113 The people who “use” nature’s resources for recreational activities are not the threat to the environment and should not be punished for their very natural use of the land. I feel it’s the power and industry corporations that have only the worst intentions and they are the ones that should be educated on “ecological crisis” and “balance of nature” versus building new subdivisions or factories that pollute water and cause erosion, etc.
- D179 I think there is a lot of public land in which could be used as off road, horseback, hiking and other uses other than just “sitting there.”
- D192 I am proud that you are doing this survey. OHV use does not hurt the environment. The fanatics that want to stop OHV use are the real abusers of the environment. I love our land and I will do everything in my power to take care of it, but I can’t do anything for our land if I am locked out of it. I have a relationship with my grandson that I could never have had if it had not been for the trail rides in my Jeep.
- D205 This survey was good. I hope it helps keep OHV areas open. The main problem is authority on disrespect to the areas by individuals. You don’t see supervision outside of camp. This would cut down on litter as well.
- D306 Survey is too long and the questions are repetitive. Some questions are not applicable to what this survey should be about.
- G778 Is this about 4 wheeling or about social engineering?
- V1011 Please open back up our riding areas! Please open up more riding areas!
- V1021 The wording of this survey shows that the body of control for this questionnaire already has a us-versus-the-bad-old-off-roaders mind set. It sounds like more of a justification for closing areas than a help in finding them. I sincerely hope that I’m wrong. I will ride somewhere (and I do vote).
- V1038 Please survey how much money is spent on OHV recreation out-of-state versus in Tennessee. We almost always have to go out of state for weekend or 3-5 day family OHV trips - there is almost no where to go in-state. Trails in state parks are now no more than gravel roads (due to recent policy changes) so we go out-of-state (LBL, Trace State Park in MS, Chadwick MO) and spend \$300 -\$1000 each time.
- V1040 Not enough areas to ride leads to crowds and over-use.
- V1065 This is a good survey and I appreciate your willingness, time and concern.
- V1092 We would love to ride in our state. We don’t mind paying a fee or registering our bikes with the land owners. But there are no riding areas in Tennessee. We have to travel out of state and give that state our money. Please open riding areas here.
- V1101 This is the second different survey I have completed for you. Please make the results available to us. Personally and politically, I would like to use the information to support and promote the OHV riding lifestyle. I believe it is vitally important to tie people’s entertainment to the quality to nature they enjoy. In other words, people have to get out and experience nature to feel a loss if it is destroyed. The most important way to get people to want to protect nature is to get them involved with it in such a way they would feel a personal loss if it is damaged. Is there a website we can visit to get the results of this and other related surveys?
- V1105 I consider myself to be a moderate by nature. I understand the concerns of environmental groups about the impact OHVs have, but in a state such as Tennessee we are blessed with enough wilderness area that we should be able (with proper education) to accommodate the environment as well as OHV use. In addition to the enjoyment by the OHV user, if properly ran an OHV program in the state would generate considerable revenue.



**Additional comments for the OHV Planning Committee about Off-Highway Vehicle use in Tennessee - cont.**

- V1122 I live just outside of Memphis, in Mississippi. We ride at LBL a couple of times a year and ride at Loretta Lynn's once a year with VSTA. Our group rides in MS most of the time due to the fact that there is really NO public place to ride in west TN. It's really a shame. We heard that at LBL, the \$15 charge for 2 days does not cover costs to run the park, which has no really nice campgrounds that connect to the trails. However, I just realized that the cost actually allows you to camp in the primitive area for the same price. Not bad if you camp. About half of our group prefer to stay at a hotel. Mainly due to the fact that the campgrounds don't have bath and shower facilities. This past weekend, we all went to St. Joe State Park in MO. It was a first class facility! Great, organized parking, rest rooms and very nice camp grounds that connect to the trails. Day use fees: \$2! I would have paid \$10 per person no problem. It was great and rangers were out issuing citations when needed! Main thing: Whatever TN does: Charge a reasonable price to ride. We understand it takes money to man and maintain a facility. \$2 is too cheap, however, it appears to be making money. It is still opened and manned by rangers. Of course, it could be that the state realizes the impact the park has on the local economy and accepts a small loss for tourism dollars. We drove over 240 miles each way for a day and a half of riding! One more thing, it's a family deal for me. One son is riding now and one more riding in a few years.
- V1134 The work we/you are doing is VERY important. I feel it is very important and timely that a state program be started before over use of available areas become a larger problem.
- V1136 Never knew how much I spent on this until you had me add it up! I guess the old joke is fine - there is a fine line between a hobby and mental illness.
- V1148 My hard earned tax dollars should be used towards something I greatly enjoy (off-road motorcycling). I should have the right to ride my off-road motorcycle on state land that my tax dollars are supporting. Off-road motorcycling is a wonderful family sport. If anyone that does not understand this would see father, son, mothers and daughters participating together. A designated trail system does far less damage to the forest than the clear cutting of timber. What we bring into the forest we take back with us - what is already there - stays. Please support a Tennessee OHV program.
- V1184 Great survey, I hope it makes and impact!
- V1211 Thank you for showing interest in this great need of OHV recreational areas.
- V1288 There are many area in Tennessee suitable for OHV use that are unfairly regulated. Opening of these areas would disperse the amount of OHV users from the limited areas available now, therefore reducing soil erosion and safety concerns. Many of the areas are practically unusable for other purposes. Most OHV users I associate with volunteer their time for trail development and management. These people have a vested interest in their efforts. More government regulation is not the answer. In reference to the amount of license fee I would be willing to pay I marked \$0 due to tax dollars I already pay each year for support of any government programs. OHV users already spend a tremendous amount of money. More expense would eventually make it impossible for people to enjoy this as a family activity or sport.
- V1291 This survey was a little too extensive.
- V1293 I feel that a fee to cover the cost of maintaining a riding area is justified. I also know that motorcycle clubs in Tennessee would be happy to help with all aspects of building and maintaining the riding areas. I feel also that areas should be open year round but closed briefly during wet and rainy periods to lessen erosion.
- V1298 I, being an OHV rider, have just as much right as a tax payer and American to use the public lands for riding as long as I am reasonably responsible with the environment.

**Additional comments for the OHV Planning Committee about Off-Highway Vehicle use in Tennessee - cont.**

- V1304 I feel that OHV support facilities would not be necessary at this time. Maybe in the future. Any money from OHV registrations or use should be used to increase and the acquirement of OHV areas. Money should also be used to enforce rules and regulations for using the OHV area. The area of an OHV area needs to be as large as possible so that less damage and over use of the trails would not occur. For example, I think the Turkey Creek OHV are at LBL is being over used and is too small for the number of OHV users.
- V1310 I think areas of state parks should be set aside for motorcycle and ATV use. These areas could be maintained by organizations like VSTA. These vehicles don't require a large area and the terrain could be unsuitable for any other purpose (cut timber, gulleys, steep grades, timber damaged by tornadoes, etc.).
- V1360 I am not opposed to a government/state run program if all our money goes back into the program, however too many times the government will "withdraw" money from "our proposed" fund and spend it elsewhere.
- V1361 Off-road uses (trail rides, ATV mountain bike, 4x4, etc.) do have impacts on the land. However, these impacts are minimal and in many cases, temporary. For example, trails will grow closed if not maintained. The biggest problem I see for OHV is lack of approved areas. If we have permission to ride, we can maintain the trails and parking. We don't need fancy paved parking or expensive areas, just a place to ride. Most areas would be fine with multi-use (horses, bicycles, ATV, motorcycles, hiking, etc.).
- V1398 The opening of the Windrock OHV area by the Coal Creek Mining Co. near Oak Ridge, Tennessee is a very positive development and I think this is the direction that OHVing needs to go in Tennessee.
- V1399 There are some serious problems with OHV use but government does not have to answer every problem. This survey implies a licensing for or usage fee is coming. Government never has enough money so what will be different? Plus the government is full of "environmentalists? That want everyone to live in a bubble. There are valid concerns about the environment but too many politicians use this issue as a platform. These guys and girls are so out of touch with reality, yet we keep re-electing them. I support the Forestry Department but not to the point of eliminating my right to ride off road or charging me fees on something I already pay too much tax for. OHV use is good for the state economy, the vacant land and the user.
- V1446 My research shows that there are more OHV users than all other trail users combined. OHV has a huge and largely unrecognized impact on the economy of Tennessee. OHV is a continuously growing activity. It can either be managed, or allowed to go out of control, but it will not go away. OHV is a remarkable quality - of- life factor for nearly all riders. We are happier and more productive when we get to ride. OHV is strongly family-oriented. OHV promotes physical fitness and has a more lower occurrence of bodily injury than nearly any other sport or activity. 10% of the riders are irresponsible and uneducated and cause 90% of all OHV related problems. Tennessee is the perfect place to enjoy OHV but we've ignored it instead of promoting, managing, and enjoying it.