

# Brandon Area Road Network Development Plan *Origin-Destination Surveys*

Prepared For



Submitted By



41396.101  
February 2007



**BRANDON AREA ROAD NETWORK  
DEVELOPMENT PLAN  
ORIGIN-DESTINATION SURVEYS**

**Prepared For**

**Manitoba Infrastructure and Transportation and the City of Brandon**

**Submitted By**

**ND LEA**

**February 2007**

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### **STANDARD LIMITATIONS**

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## **1.0 ORIGIN-DESTINATION SURVEYS**

Both telephone and vehicle intercept origin-destination surveys were conducted in 2005 as part of the Brandon Area Road Network Development Plan study. The firm of Wordsnorth Communications Services Ltd. was retained to conduct the surveys and the material contained in this submission.

Throughout the telephone and traffic intercept surveys, the term “trip” was used to signify a portion of an overall journey that the person may have been making. For example, if the person interviewed traveled from their work to the store and from the store to home, the first trip was taken from their work to the store and the second trip was taken from the store to their home. Through this method, each stop along the person’s overall journey is included in the results. In the case of telephone surveys, a trip was also defined as more than one block from the person’s original location.

## **2.0 TELEPHONE SURVEY**

The origin-destination telephone survey of over 300 Brandon residents was completed in May and June of 2005 from a phone list that was compiled by random selection. Surveyors phoned the list and completed the interview from 9 a.m. to 9 p.m. on Wednesdays, Thursdays and Fridays. The interviewee was a person in the household who was over the age of 16 and had made a trip the previous day between the hours of 3:30 p.m. and 6 p.m.

The surveyor asked the interviewee about their previous day’s trips between the specified hours, as well as general information, such as whether they were the driver or passenger, how many people were in the vehicle and the purpose of the trip. If the survey was done in the evening (between 6 p.m. and 9 p.m.) the surveyor asked the person about trips made that day.

### **2.1 Statistics**

The ages of those surveyed are consistent with census data for the City of Brandon. In terms of gender, the telephone sampling had a higher percentage of females due to the time of the surveys and the fact that, as a rule in Manitoba, more females answer the phones than males.

The data is accurate within a margin for error of +/-5%, 19 times out of 20.

### **2.2 Zones**

Using random sampling techniques for the telephone survey, it was anticipated that the

34 zones of Brandon would be appropriately surveyed. However, due to some zones being industrial, commercial or on the outskirts of town, there are a number of zones which were not sampled or made up a low percentage of the sampling. Those zones are: 1, 2, 5, 6, 7, 8, 14, 20, 23, 26, 27, 28, 30, 31, 33 and 34.

### **3.0 TRAFFIC INTERCEPT SURVEY**

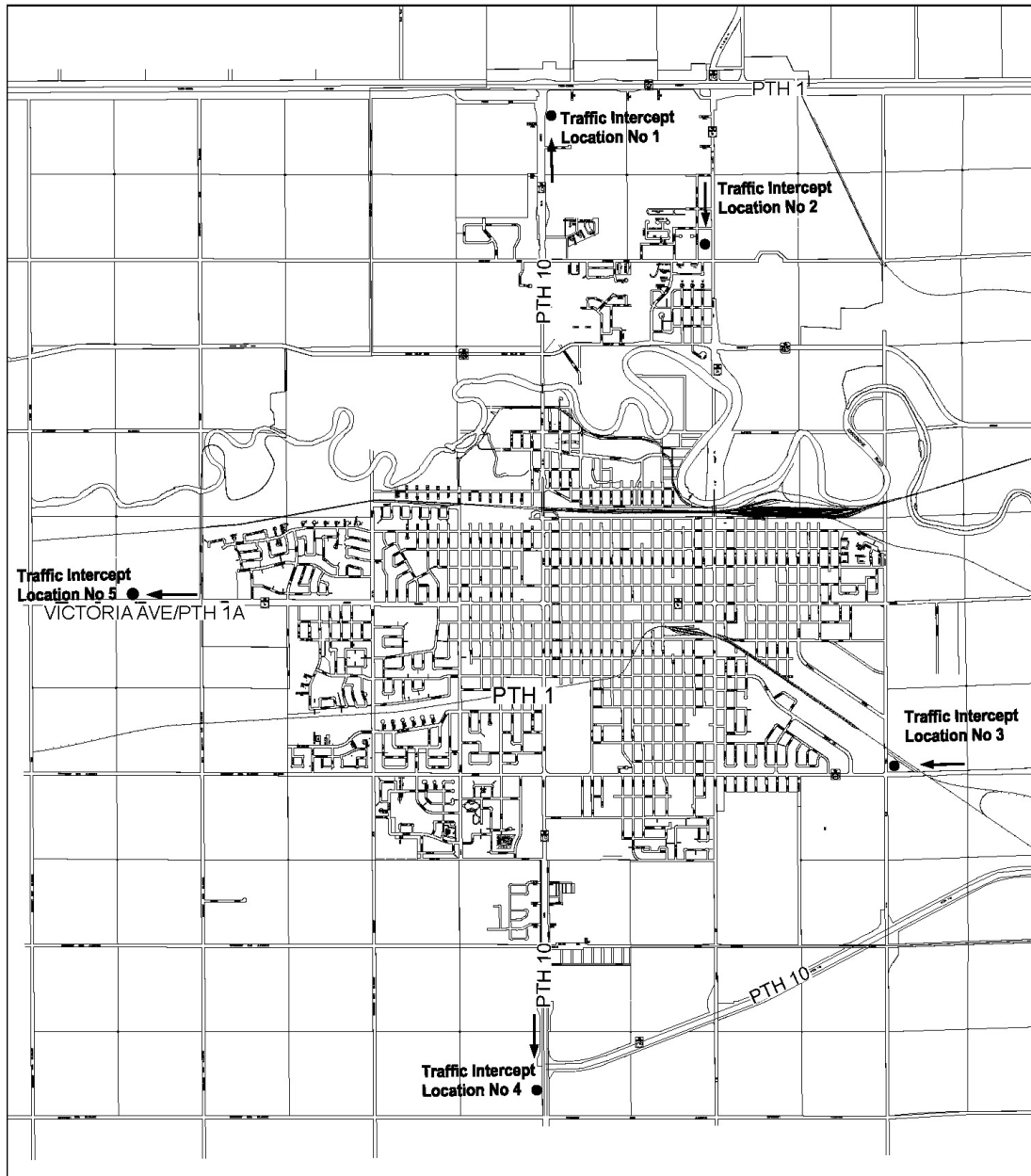
The traffic intercept survey was conducted over a period of four days (Wednesdays and Thursdays) in July 2005. On July 6<sup>th</sup>, 7<sup>th</sup>, 13<sup>th</sup> and 14<sup>th</sup>, vehicles were randomly flagged down between 3:30 p.m. and 6 p.m., the interview was completed and the driver continued on. A total of 364 surveys were completed over the four days. On each day, two surveyors and one supervisor were present at two of the five locations. Of the five locations, three were surveyed twice and the remaining two locations were surveyed once. The locations that were surveyed over two days were chosen based on having higher estimated traffic volume.

A sample copy of the traffic intercept survey form can be found in Appendix B.

#### **3.1 Traffic Locations**

Vehicles were stopped and drivers interviewed at five different locations, as indicated below and illustrated in Figure 1:

- Northbound vehicles on PTH 10 (18<sup>th</sup> Street) south of Trans Canada Highway 1;
- Southbound vehicles on Highway 1A (1<sup>st</sup> Street North) south of Trans Canada Highway 1;
- Westbound vehicles on PR 344 (Richmond Avenue East) west of 17<sup>th</sup> Avenue East;
- Southbound vehicles on PTH 10 (18<sup>th</sup> Street) south of PTH 110 Bypass; and,
- Westbound vehicles on Highway 1A (Victoria Avenue) west of the Brandon city limits.



**FIGURE 1:**  
CITY OF BRANDON  
TRAFFIC INTERCEPT  
SURVEY LOCATIONS

### 3.2 Traffic Counts

The traffic volumes between 3:30 p.m. and 6 p.m. for each of the locations surveyed were as follows:

- Day 1 - Wednesday, July 6, 2005 –
  - Location 3: 555
  - Location 4: 694
- Day 2 - Thursday, July 7, 2005 –
  - Location 1: 1067
  - Location 5: 591
- Day - Wednesday, July 13, 2005 –
  - Location 2: 875
  - Location 4: 753
- Day 4 - Thursday, July 14, 2005 –
  - Location 1: 1050
  - Location 2: 948

### 3.3 Truck Sampling

The results of the traffic intercept survey do not accurately represent the ratio of large trucks that passed each location. This is partially due to space limitations that were present at each of the locations. For example, at Location 1, vehicles were pulled over into an abandoned parking lot, but the turns were tight and trucks had difficulties driving in and out of the lot.

Trucks were sampled at all locations in order to gather some data from the drivers, but one should not use the number of trucks sampled as a proportion in order to determine their total number. This is particularly true at Location 3 where there is very heavy truck traffic due to the industrial nature of the adjacent areas.



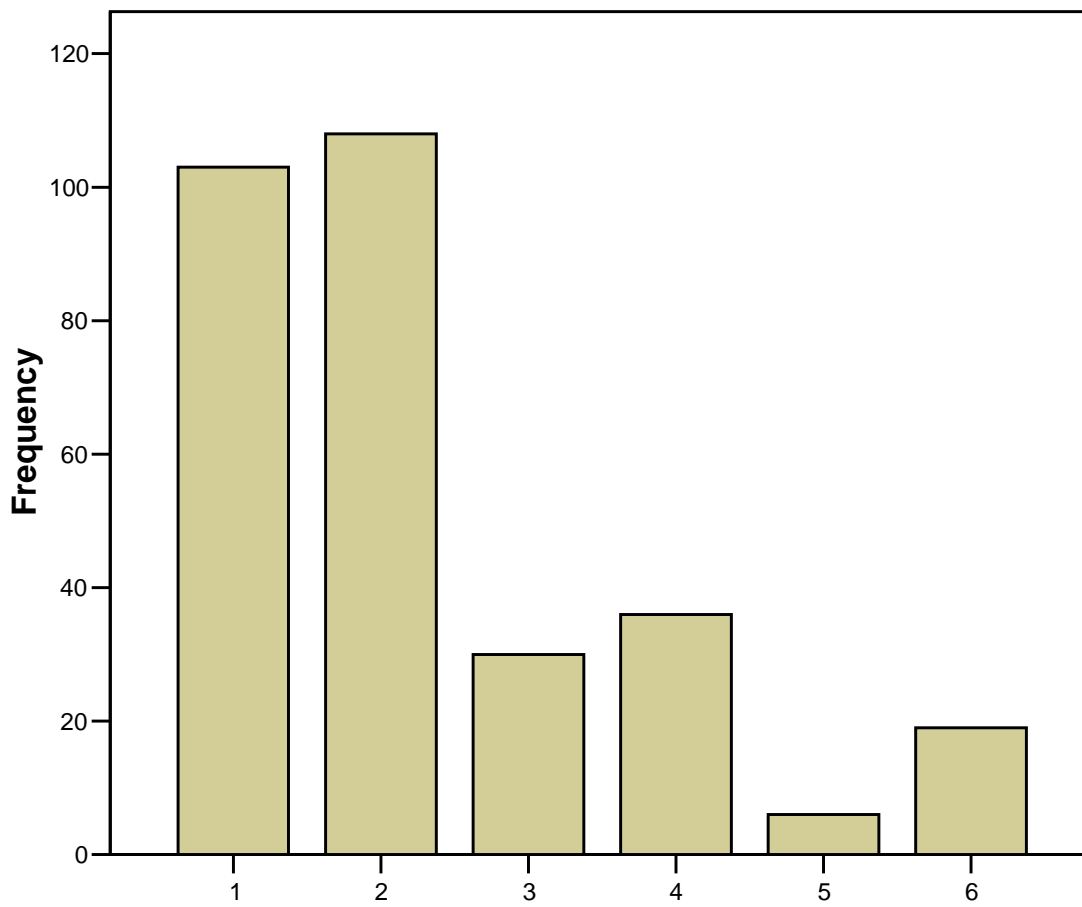
## 4.0 TELEPHONE SURVEY RESULTS

### July 15, 2005 - Frequency Tables

Number of trips

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1	103	34.1	34.1	34.1
	2	108	35.8	35.8	69.9
	3	30	9.9	9.9	79.8
	4	36	11.9	11.9	91.7
	5	6	2.0	2.0	93.7
	6	19	6.3	6.3	100.0
	Total	302	100.0	100.0	

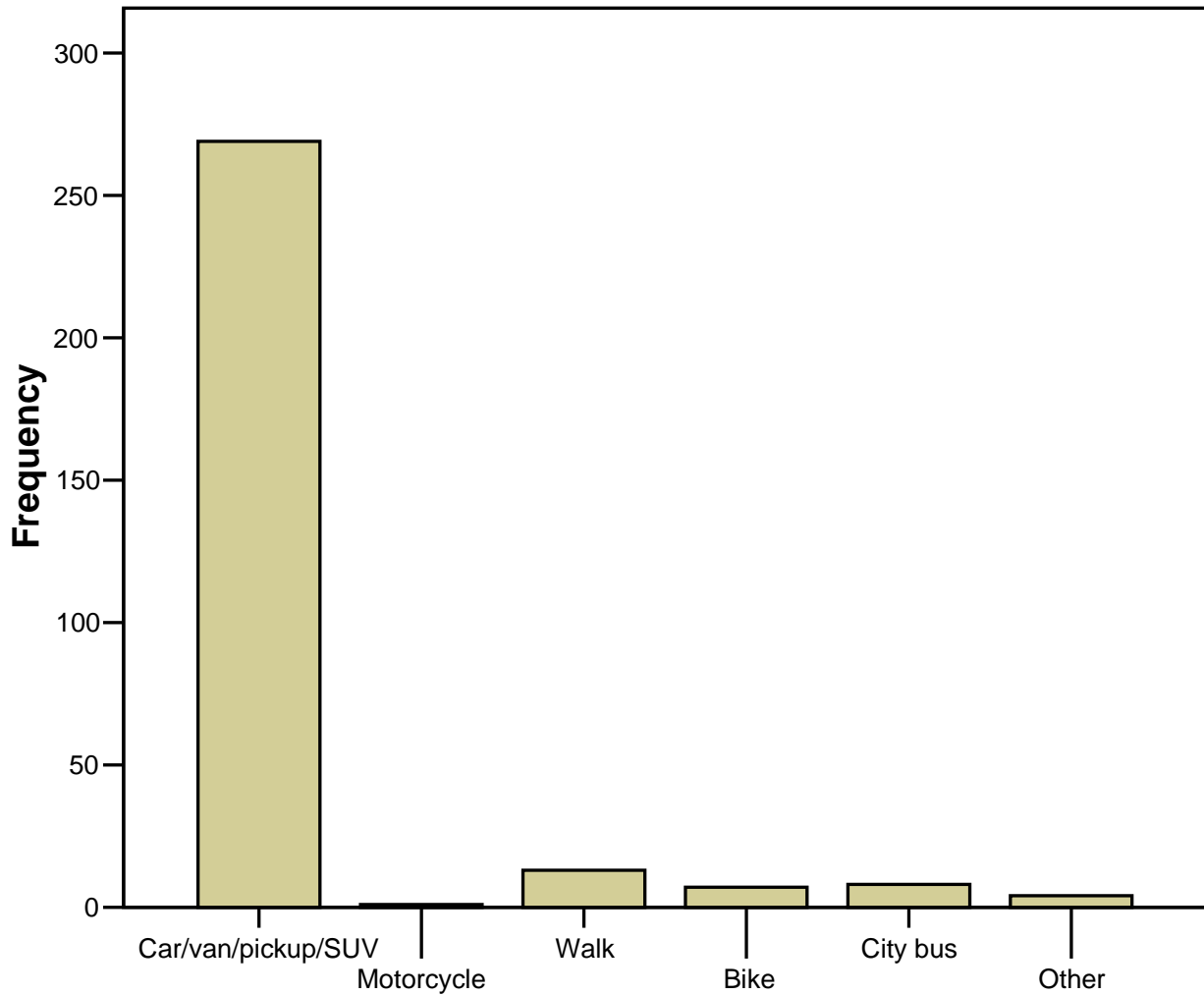
Number of trips



**Mode of transportation - Trip 1**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Car/van/pickup/SUV	269	89.1	89.1	89.1
	Motorcycle	1	.3	.3	89.4
	Walk	13	4.3	4.3	93.7
	Bike	7	2.3	2.3	96.0
	City bus	8	2.6	2.6	98.7
	Other	4	1.3	1.3	100.0
	Total	302	100.0	100.0	

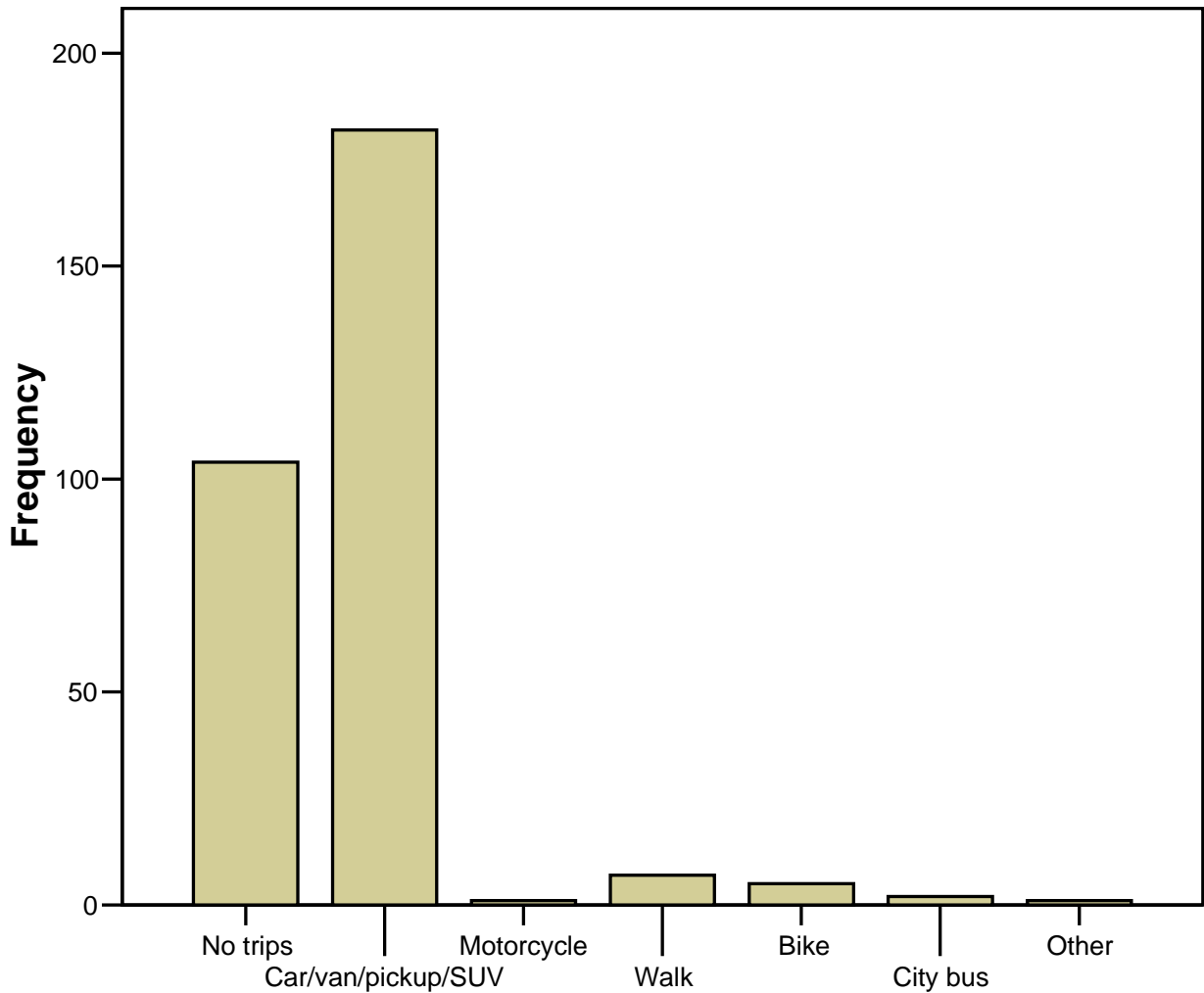
**Mode of transportation - Trip 1**



**Mode of transportation - Trip 2**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	No trips	104	34.4	34.4	34.4
	Car/van/pickup/SUV	182	60.3	60.3	94.7
	Motorcycle	1	.3	.3	95.0
	Walk	7	2.3	2.3	97.4
	Bike	5	1.7	1.7	99.0
	City bus	2	.7	.7	99.7
	Other	1	.3	.3	100.0
	Total	302	100.0	100.0	

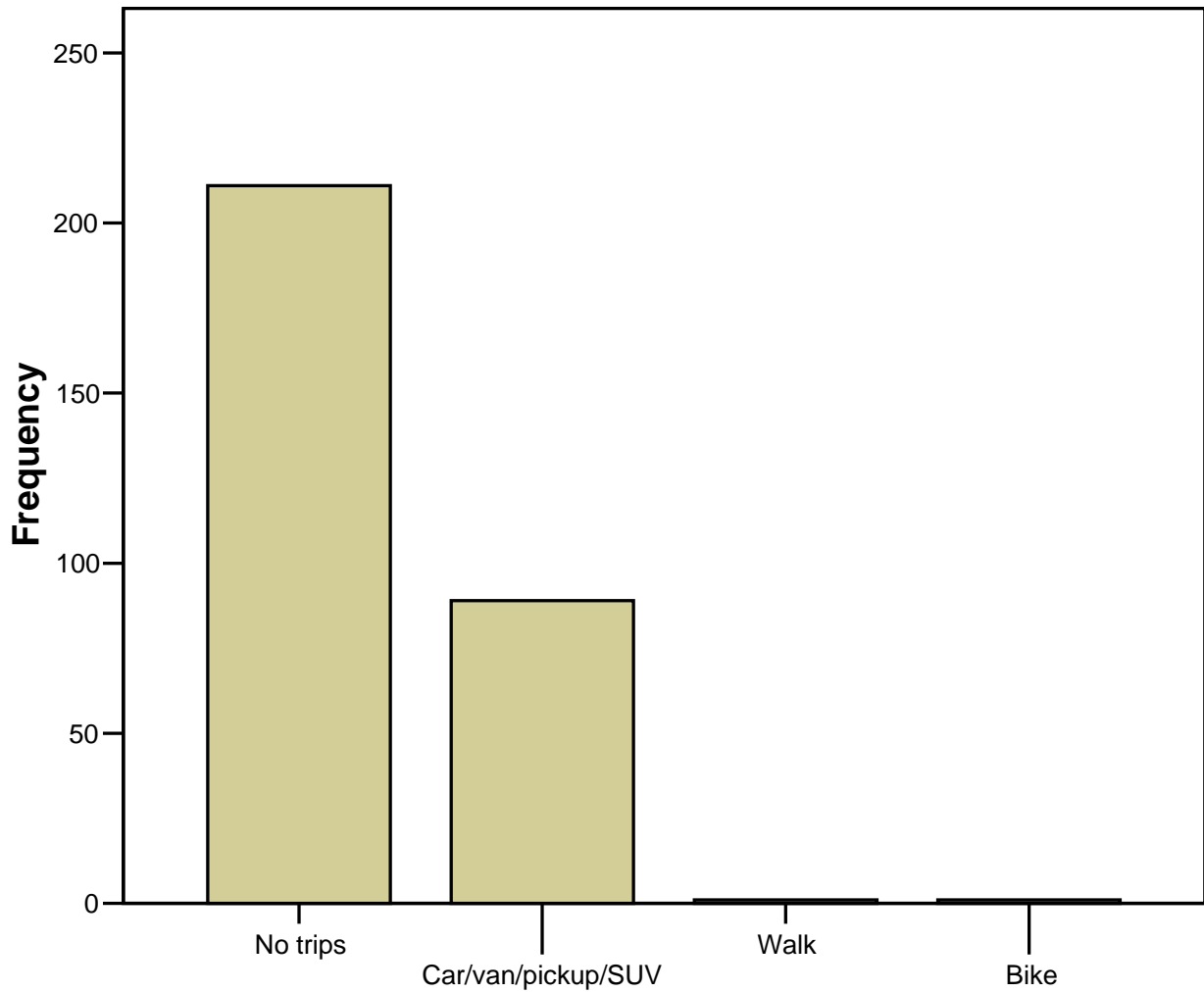
**Mode of transportation - Trip 2**



**Mode of transportation - Trip 3**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	No trips	211	69.9	69.9	69.9
	Car/van/pickup/SUV	89	29.5	29.5	99.3
	Walk	1	.3	.3	99.7
	Bike	1	.3	.3	100.0
	Total	302	100.0	100.0	

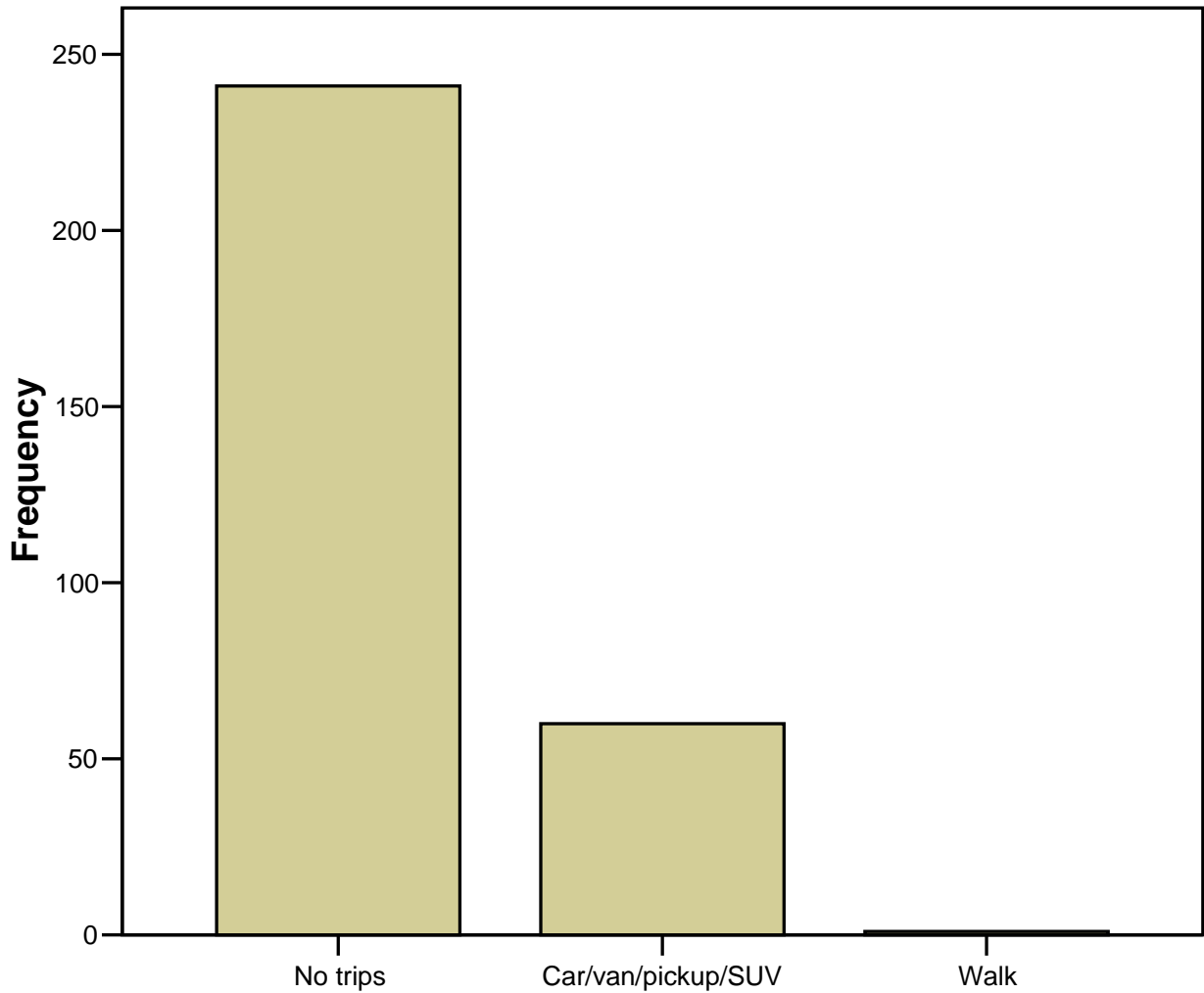
**Mode of transportation - Trip 3**



**Mode of transportation - Trip 4**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	No trips	241	79.8	79.8	79.8
	Car/van/pickup/SUV	60	19.9	19.9	99.7
	Walk	1	.3	.3	100.0
	Total	302	100.0	100.0	

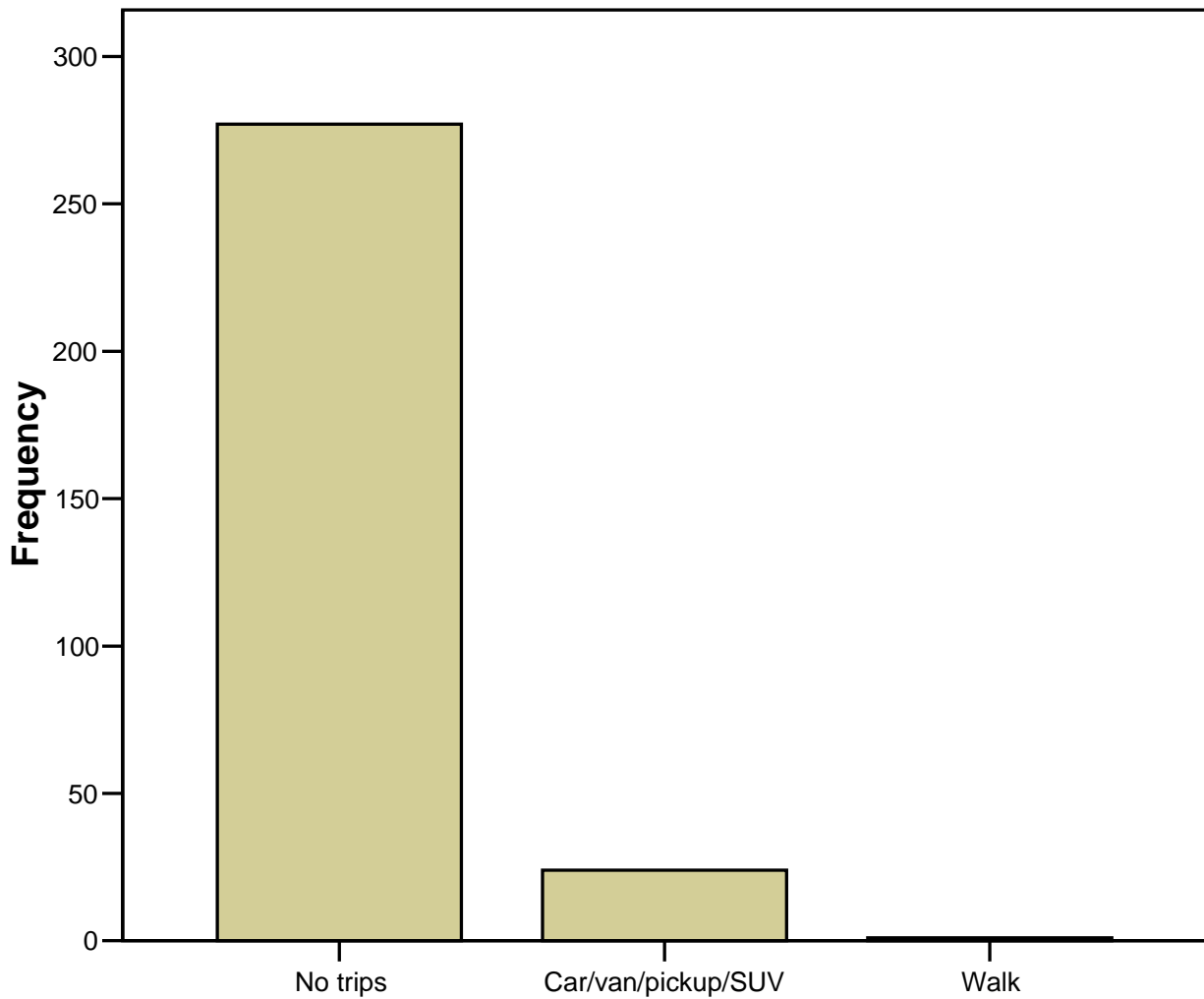
**Mode of transportation - Trip 4**



**Mode of transportation - Trip 5**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	No trips	277	91.7	91.7	91.7
	Car/van/pickup/SUV	24	7.9	7.9	99.7
	Walk	1	.3	.3	100.0
	Total	302	100.0	100.0	

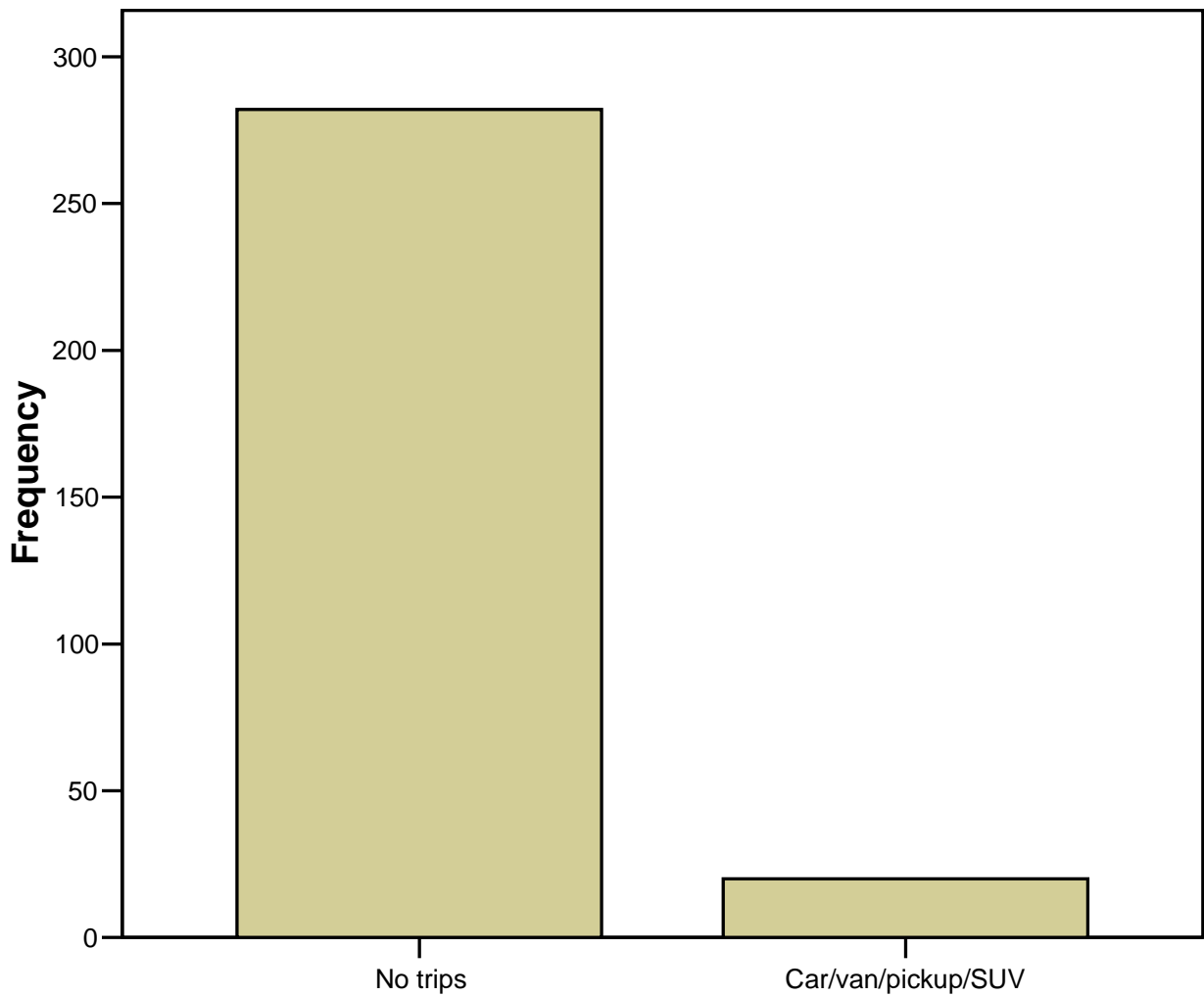
**Mode of transportation - Trip 5**



**Mode of transportation - Trip 6**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	No trips	282	93.4	93.4	93.4
	Car/van/pickup/SUV	20	6.6	6.6	100.0
Total		302	100.0	100.0	

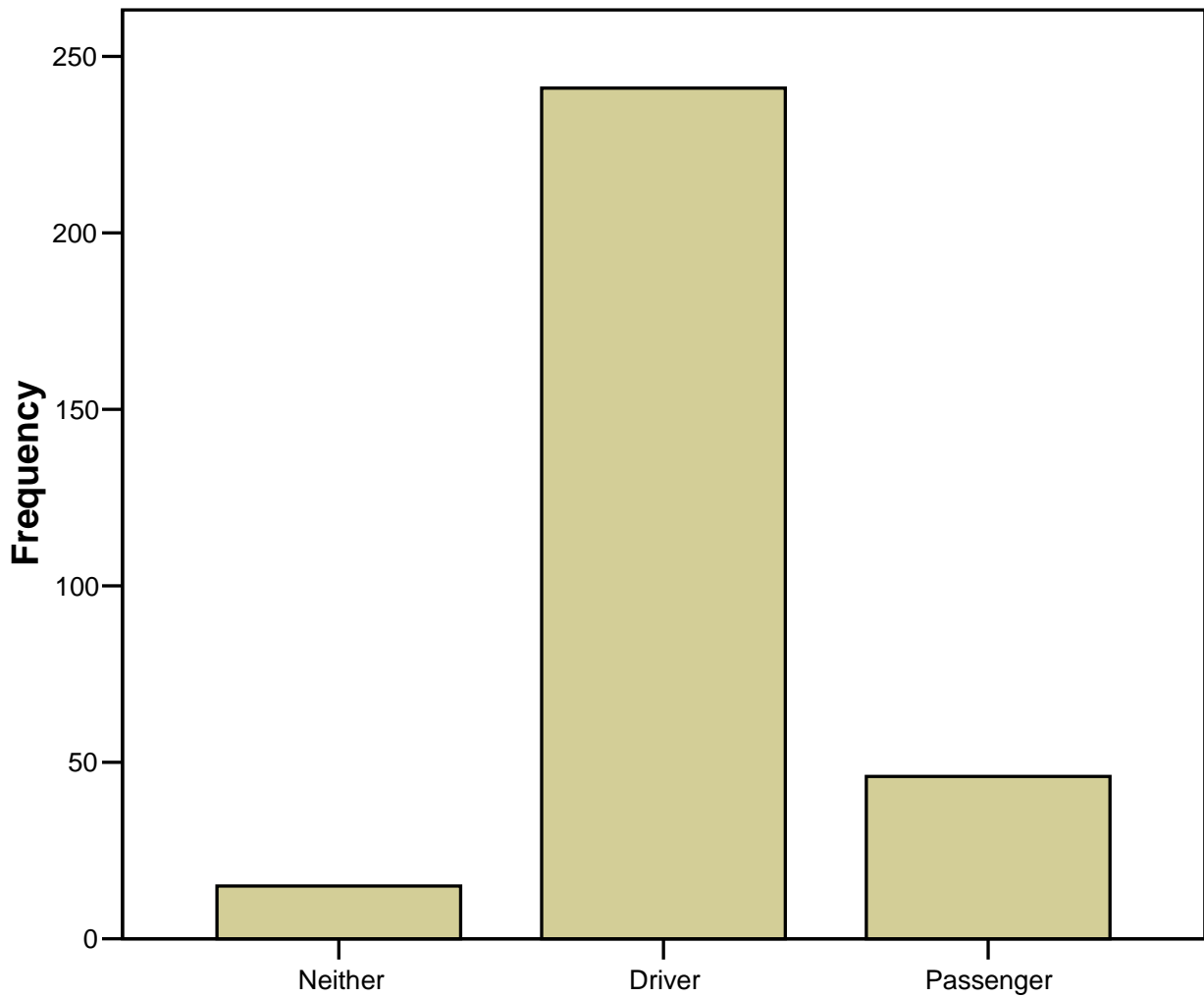
**Mode of transportation - Trip 6**



**Driver or passenger - Trip 1**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Neither	15	5.0	5.0	5.0
	Driver	241	79.8	79.8	84.8
	Passenger	46	15.2	15.2	100.0
Total		302	100.0	100.0	

**Driver or passenger - Trip 1**

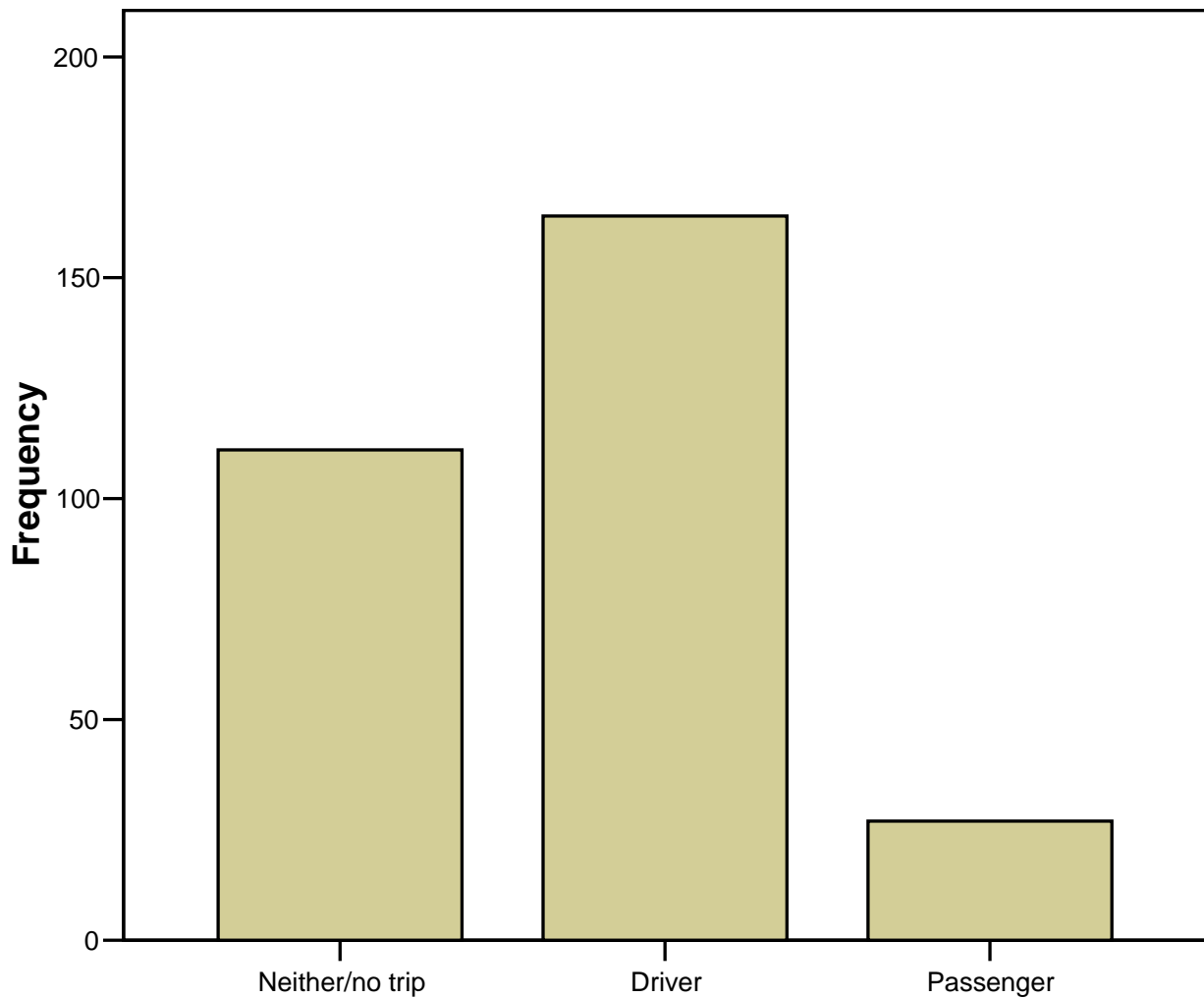




**Driver or passenger - Trip 2**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Neither/no trip	111	36.8	36.8	36.8
	Driver	164	54.3	54.3	91.1
	Passenger	27	8.9	8.9	100.0
	Total	302	100.0	100.0	

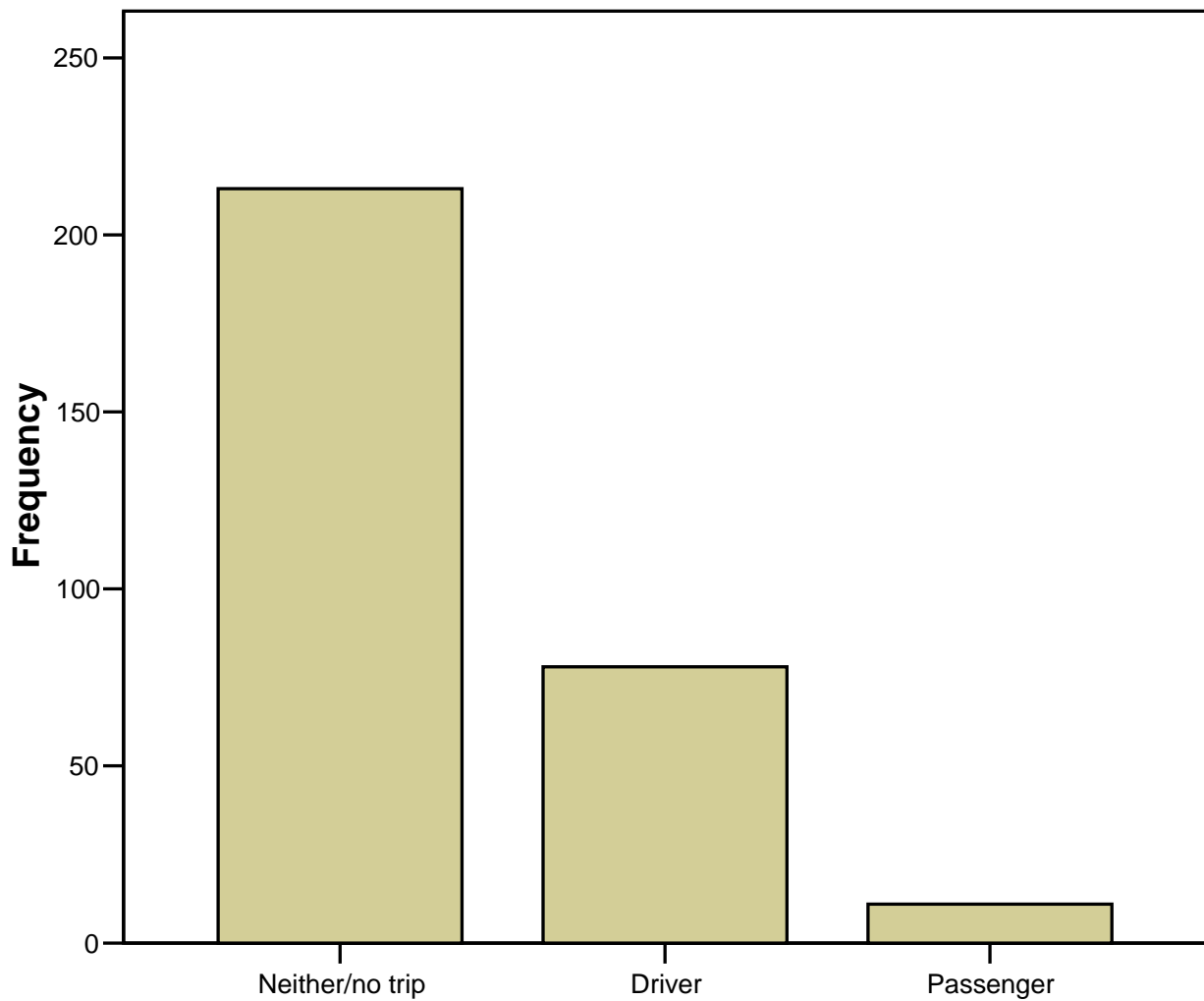
**Driver or passenger - Trip 2**



**Driver or passenger - Trip 3**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Neither/no trip	213	70.5	70.5	70.5
	Driver	78	25.8	25.8	96.4
	Passenger	11	3.6	3.6	100.0
	Total	302	100.0	100.0	

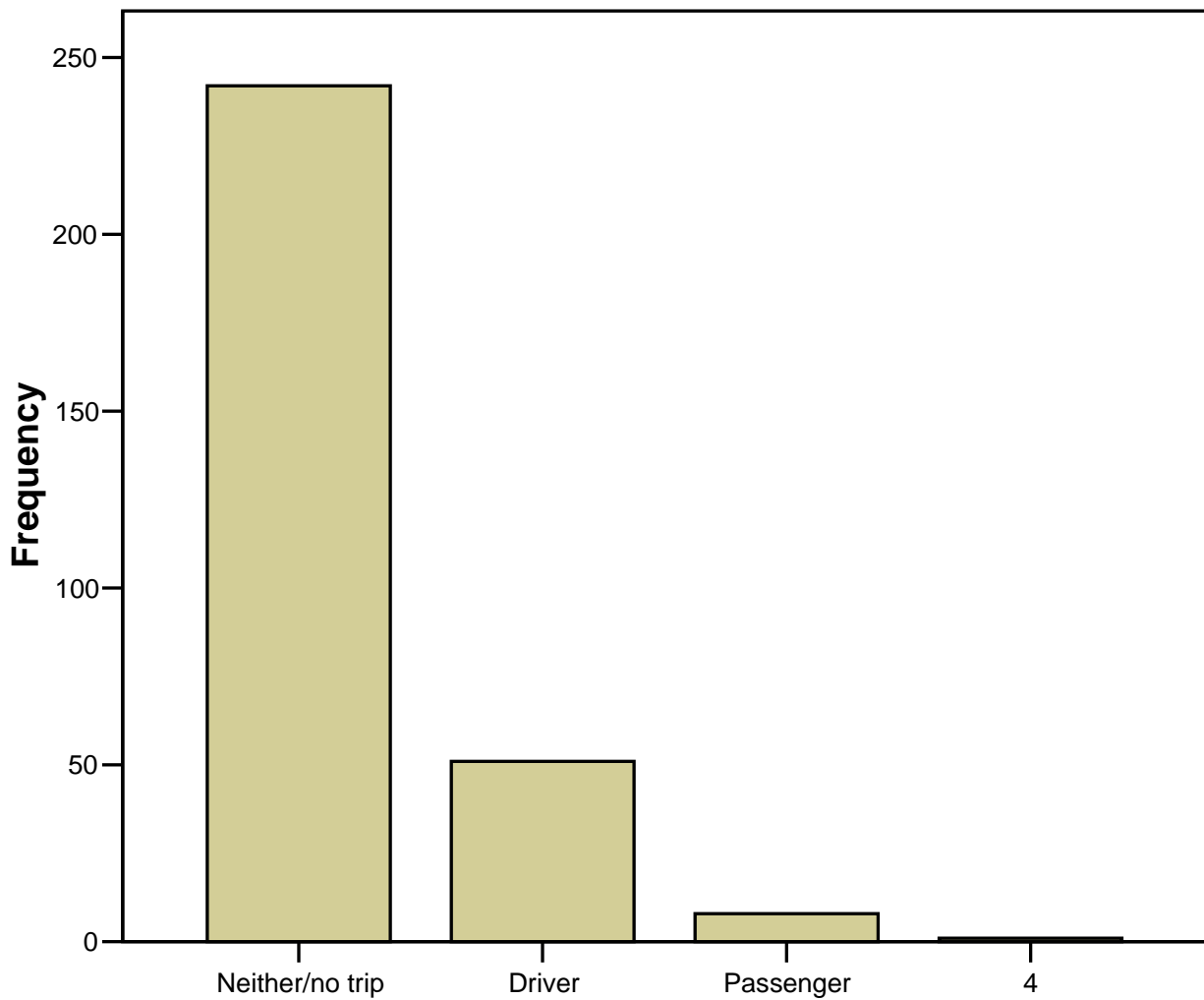
**Driver or passenger - Trip 3**



**Driver or passenger - Trip 4**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Neither/no trip	242	80.1	80.1	80.1
	Driver	51	16.9	16.9	97.0
	Passenger	8	2.6	2.6	99.7
Total		302	100.0	100.0	100.0

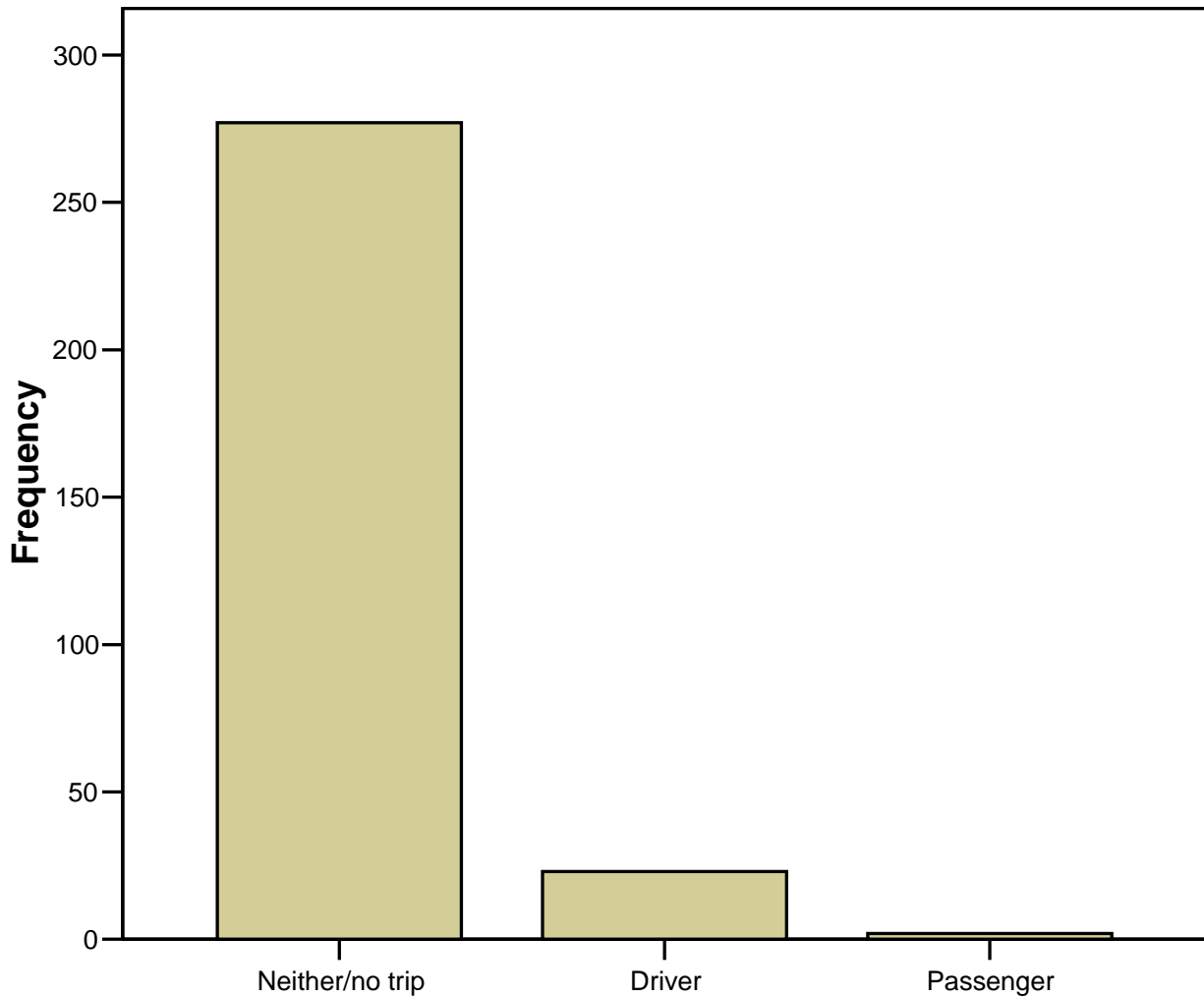
**Driver or passenger - Trip 4**



**Driver or passenger - Trip 5**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Neither/no trip	277	91.7	91.7	91.7
	Driver	23	7.6	7.6	99.3
	Passenger	2	.7	.7	100.0
	Total	302	100.0	100.0	

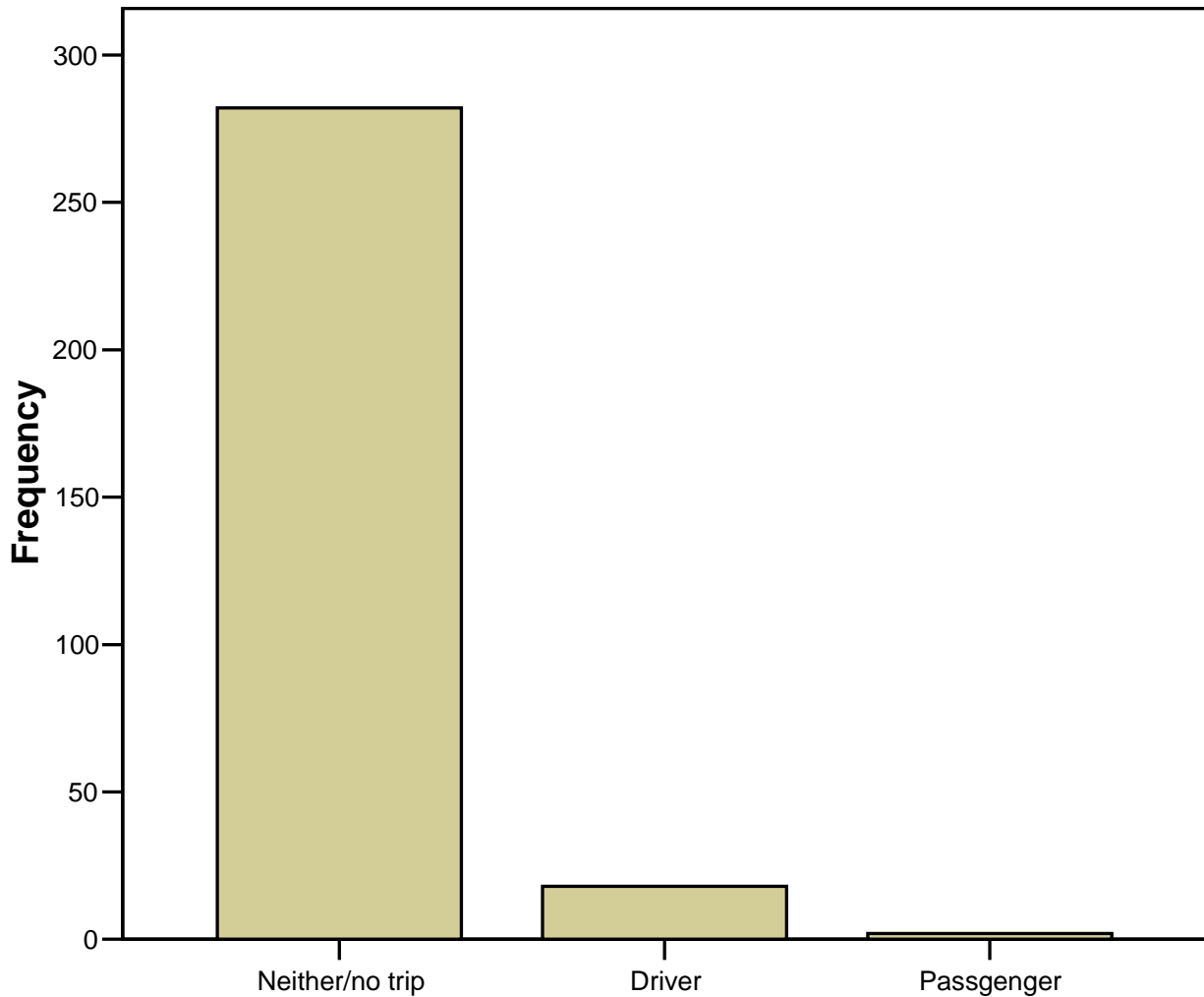
**Driver or passenger - Trip 5**



**Driver or passenger - Trip 6**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Neither/no trip	282	93.4	93.4	93.4
	Driver	18	6.0	6.0	99.3
	Passenger	2	.7	.7	100.0
	Total	302	100.0	100.0	

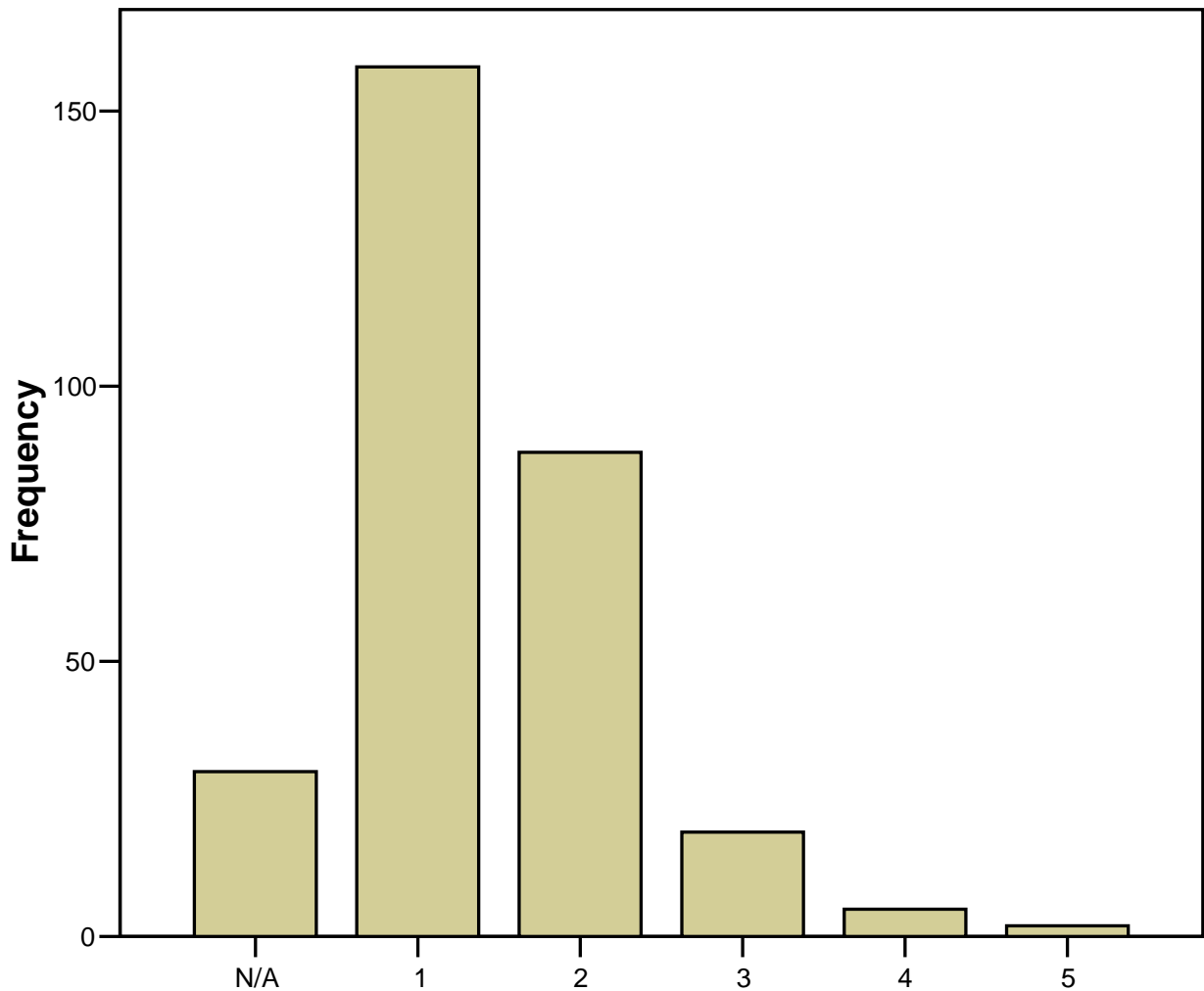
**Driver or passenger - Trip 6**



**How many in the vehicle - Trip 1**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	N/A	30	9.9	9.9	9.9
	1	158	52.3	52.3	62.3
	2	88	29.1	29.1	91.4
	3	19	6.3	6.3	97.7
	4	5	1.7	1.7	99.3
	5	2	.7	.7	100.0
	Total	302	100.0	100.0	

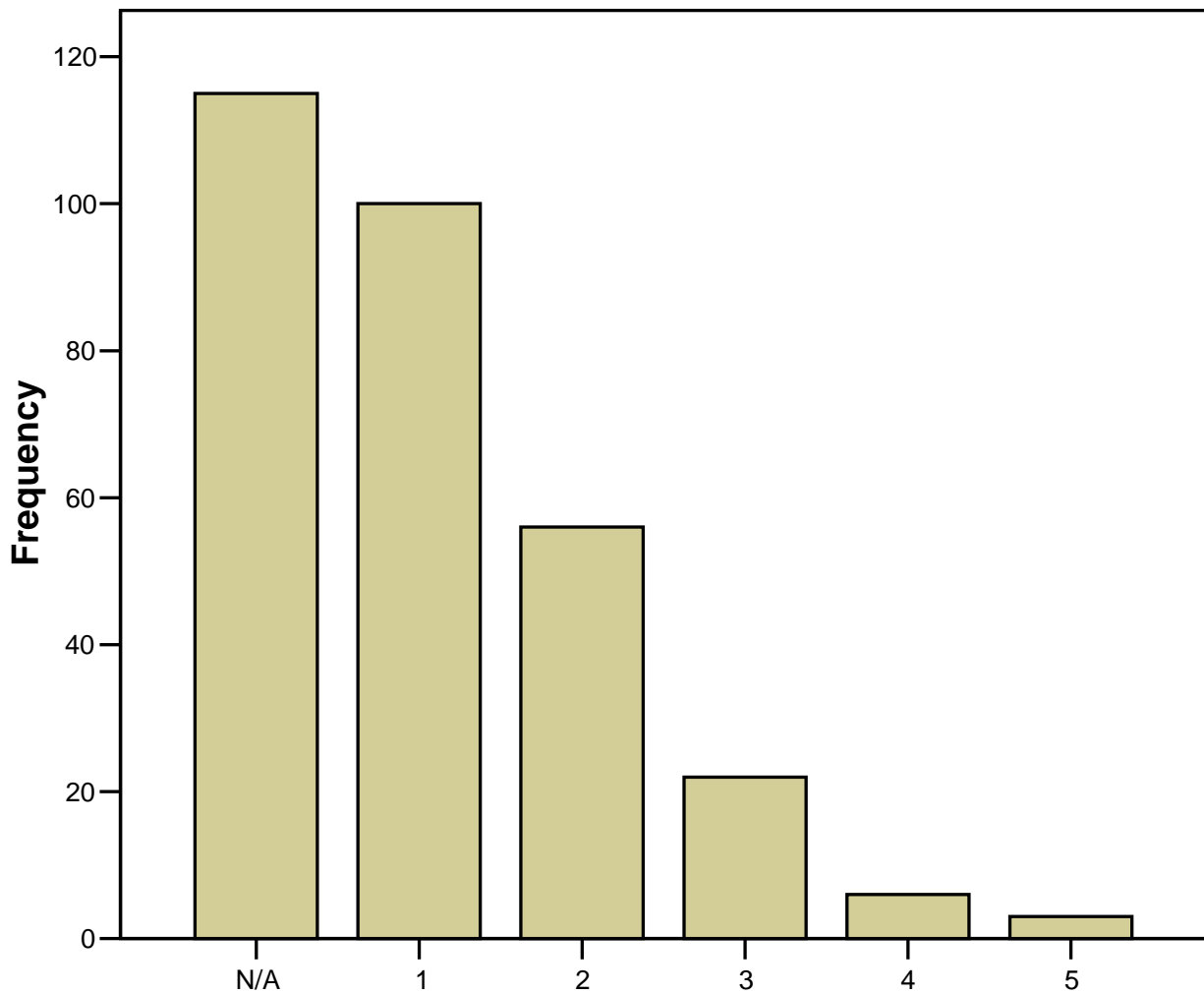
**How many in the vehicle - Trip 1**



**How many in the vehicle - Trip 2**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	N/A	115	38.1	38.1	38.1
	1	100	33.1	33.1	71.2
	2	56	18.5	18.5	89.7
	3	22	7.3	7.3	97.0
	4	6	2.0	2.0	99.0
	5	3	1.0	1.0	100.0
	Total	302	100.0	100.0	

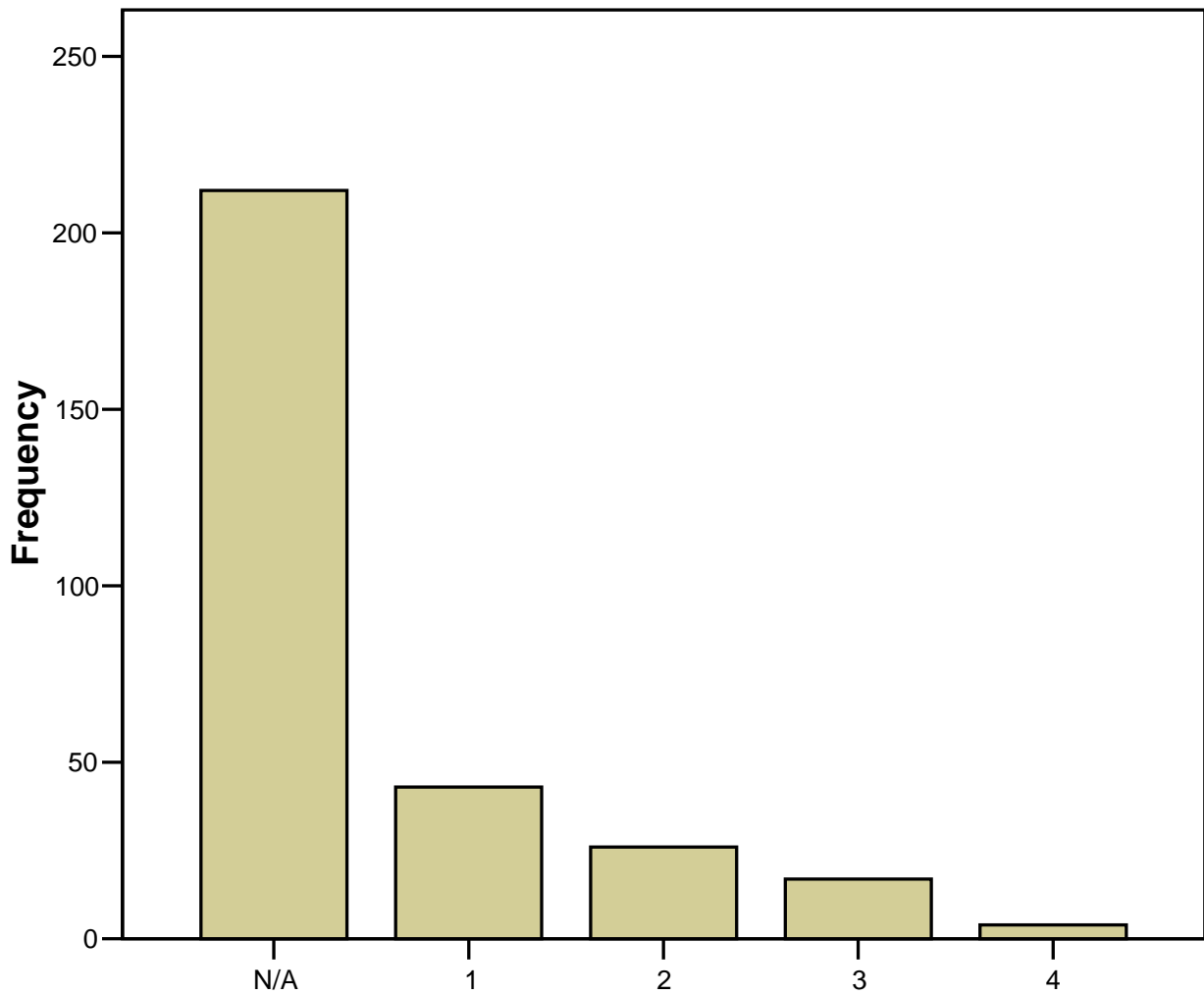
**How many in the vehicle - Trip 2**



**How many in the vehicle - Trip 3**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	N/A	212	70.2	70.2	70.2
	1	43	14.2	14.2	84.4
	2	26	8.6	8.6	93.0
	3	17	5.6	5.6	98.7
	4	4	1.3	1.3	100.0
	Total	302	100.0	100.0	

**How many in the vehicle - Trip 3**

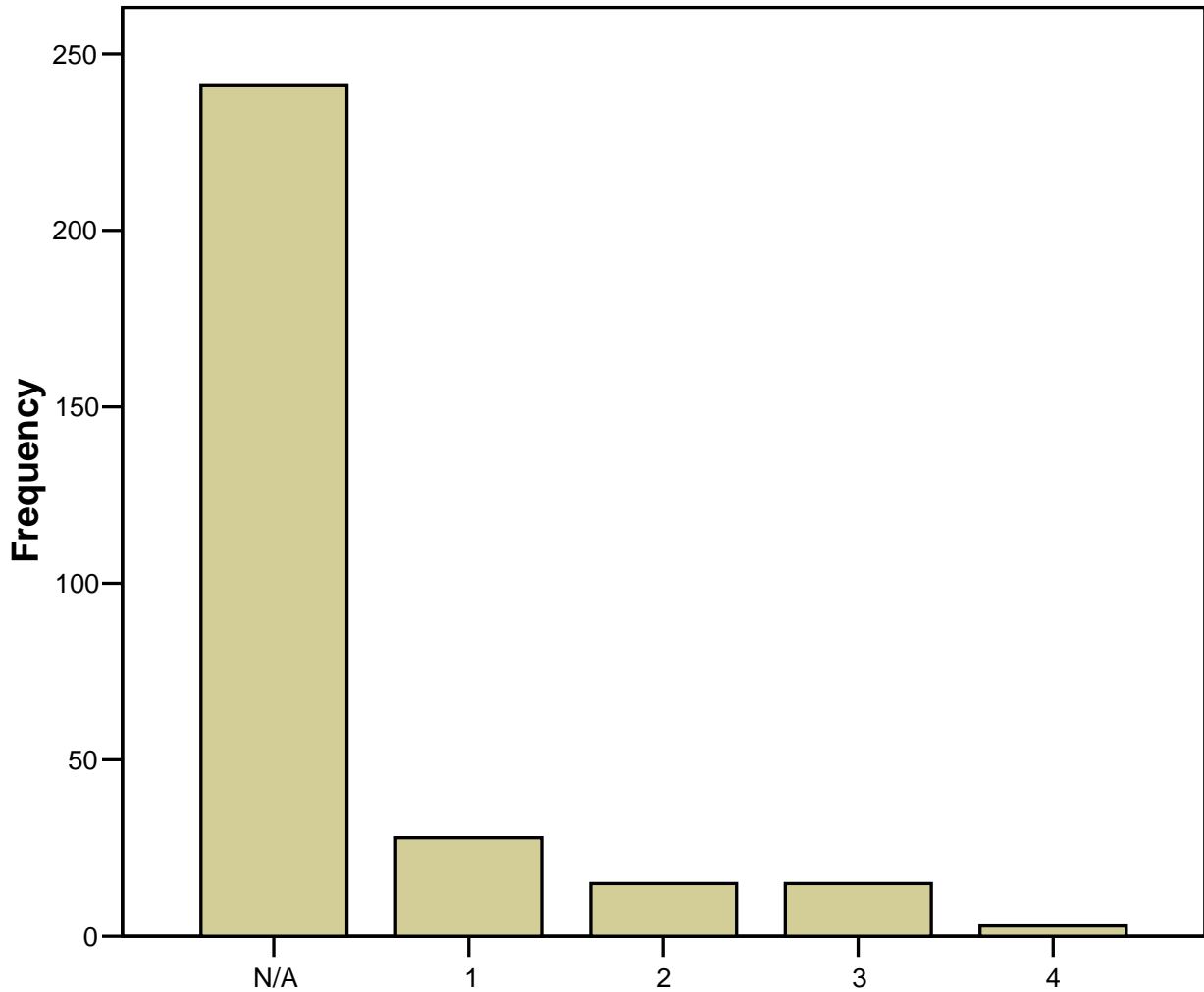




**How many in the vehicle - Trip 4**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	N/A	241	79.8	79.8	79.8
	1	28	9.3	9.3	89.1
	2	15	5.0	5.0	94.0
	3	15	5.0	5.0	99.0
	4	3	1.0	1.0	100.0
	Total	302	100.0	100.0	

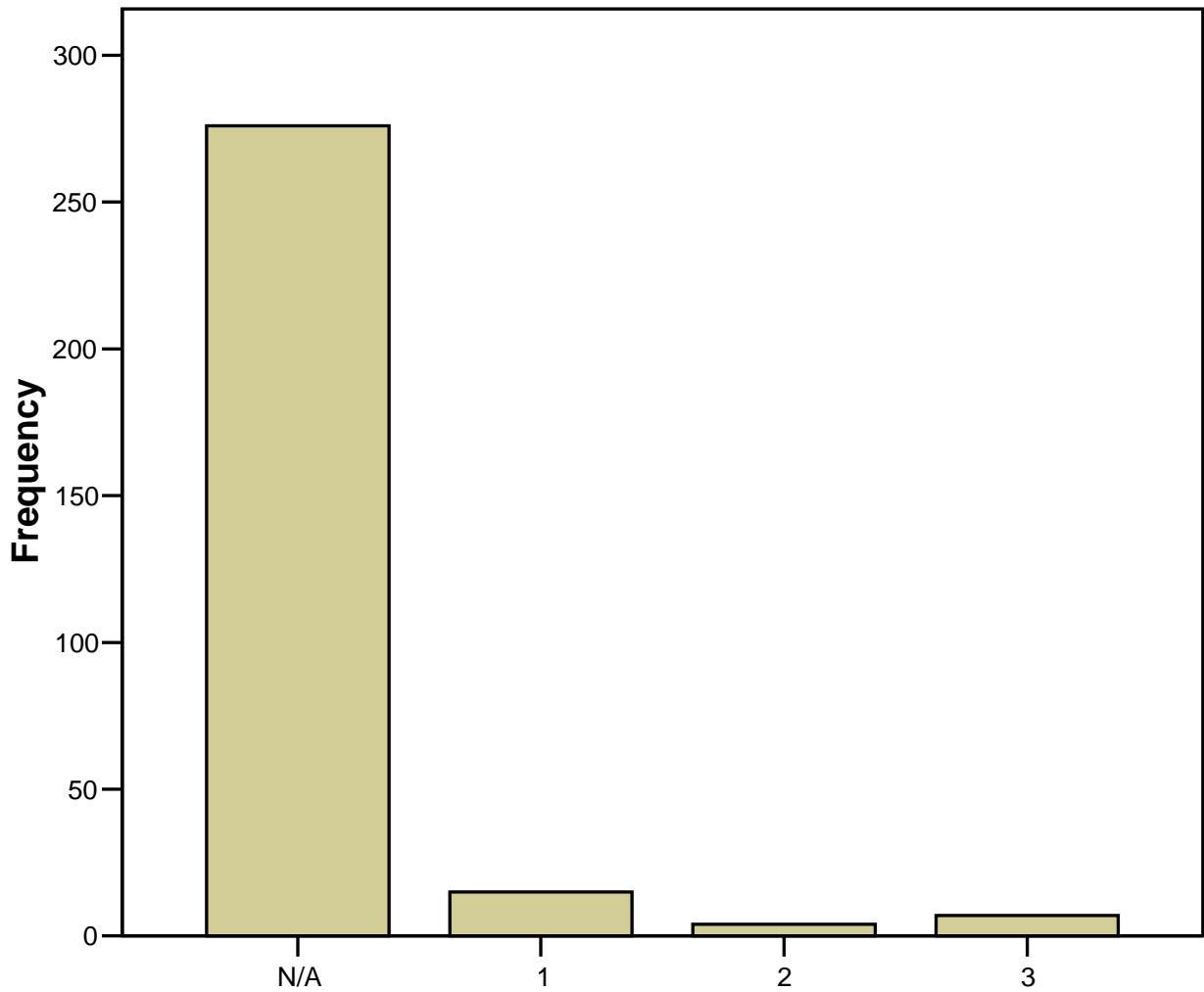
**How many in the vehicle - Trip 4**



**How many in the vehicle - Trip 5**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	N/A	276	91.4	91.4	91.4
	1	15	5.0	5.0	96.4
	2	4	1.3	1.3	97.7
	3	7	2.3	2.3	100.0
	Total	302	100.0	100.0	

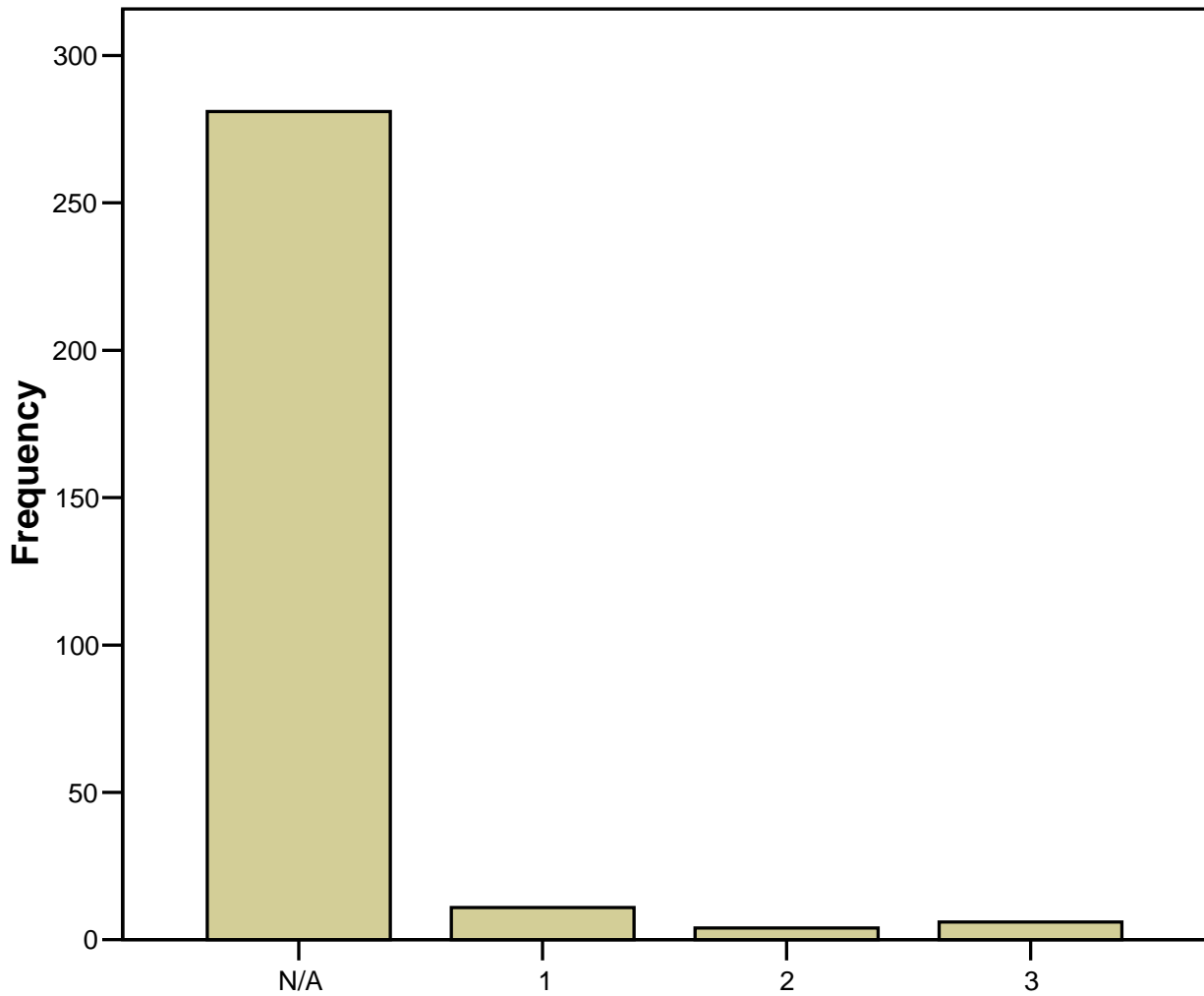
**How many in the vehicle - Trip 5**



**How many in the vehicle - Trip 6**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	N/A	281	93.0	93.0	93.0
	1	11	3.6	3.6	96.7
	2	4	1.3	1.3	98.0
	3	6	2.0	2.0	100.0
	Total	302	100.0	100.0	

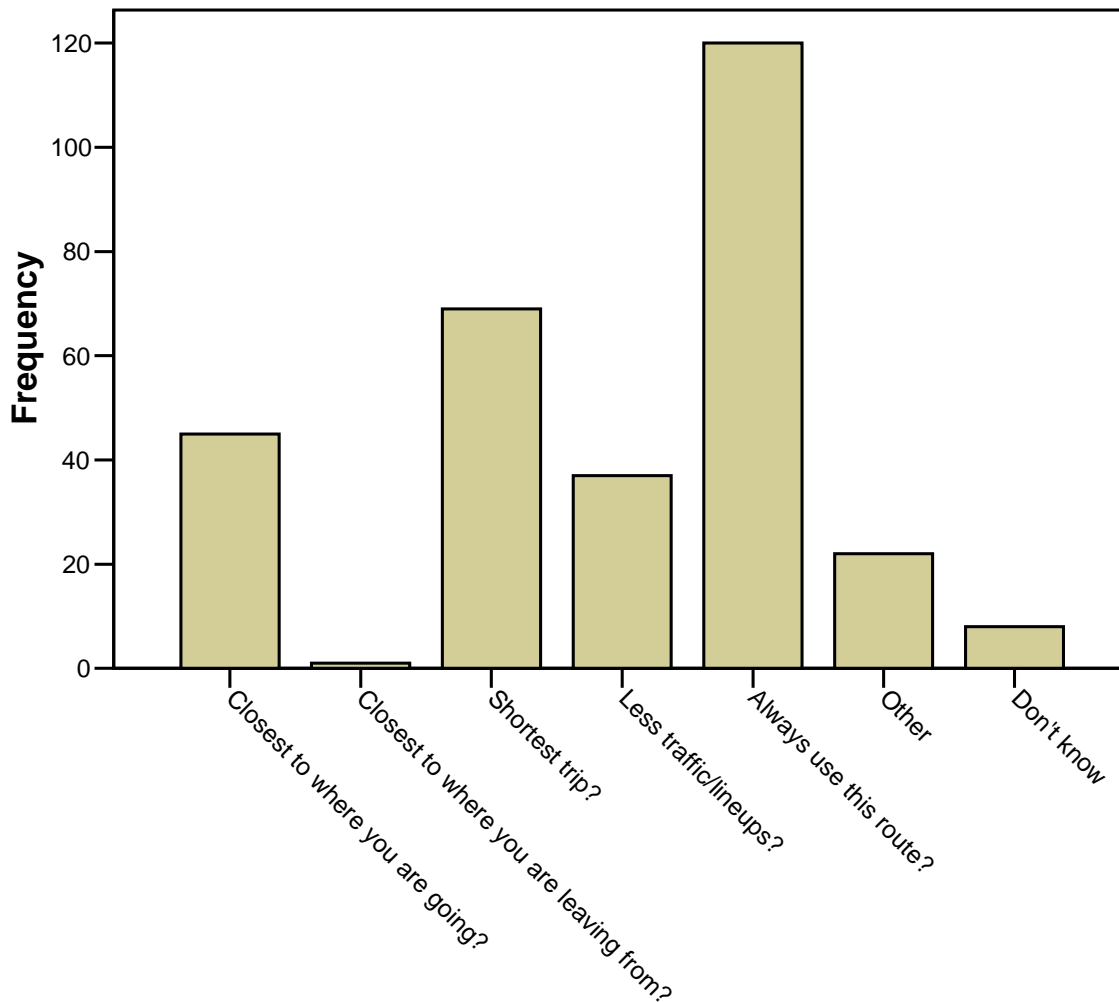
**How many in the vehicle - Trip 6**



**How did you choose route? Trip 1**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Closest to where you are going?	45	14.9	14.9	14.9
	Closest to where you are leaving from?	1	.3	.3	15.2
	Shortest trip?	69	22.8	22.8	38.1
	Less traffic/lineups?	37	12.3	12.3	50.3
	Always use this route?	120	39.7	39.7	90.1
	Other	22	7.3	7.3	97.4
	Don't know	8	2.6	2.6	100.0
	Total	302	100.0	100.0	

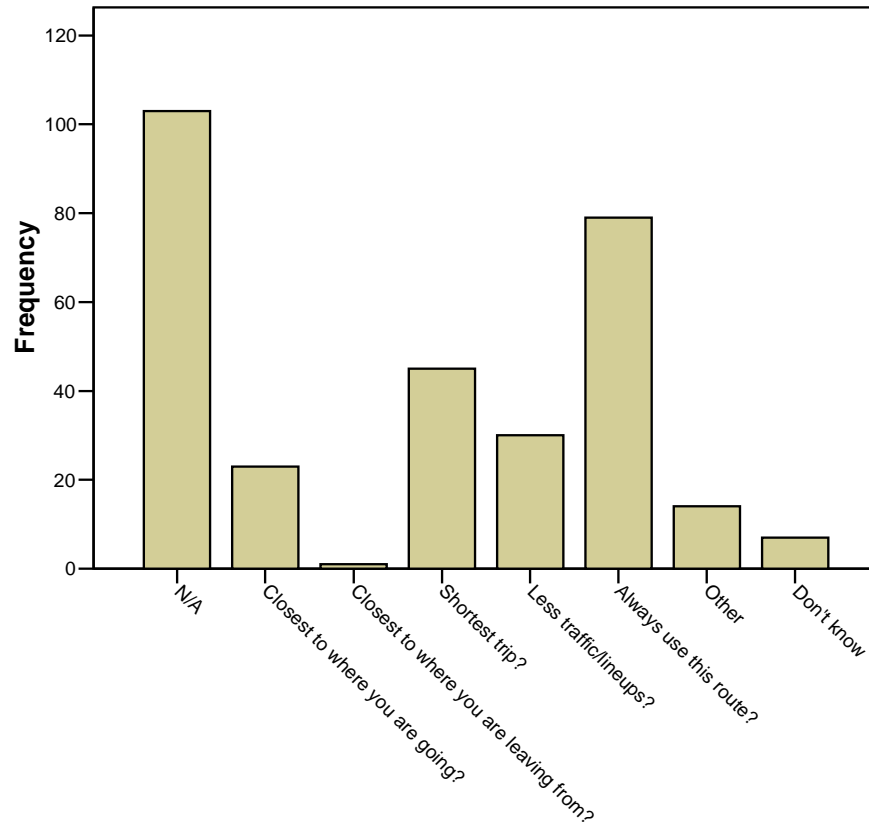
**How did you choose route? Trip 1**



**How did you choose route? Trip 2**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	N/A	103	34.1	34.1	34.1
	Closest to where you are going?	23	7.6	7.6	41.7
	Closest to where you are leaving from?	1	.3	.3	42.1
	Shortest trip?	45	14.9	14.9	57.0
	Less traffic/lineups?	30	9.9	9.9	66.9
	Always use this route?	79	26.2	26.2	93.0
	Other	14	4.6	4.6	97.7
	Don't know	7	2.3	2.3	100.0
	Total	302	100.0	100.0	

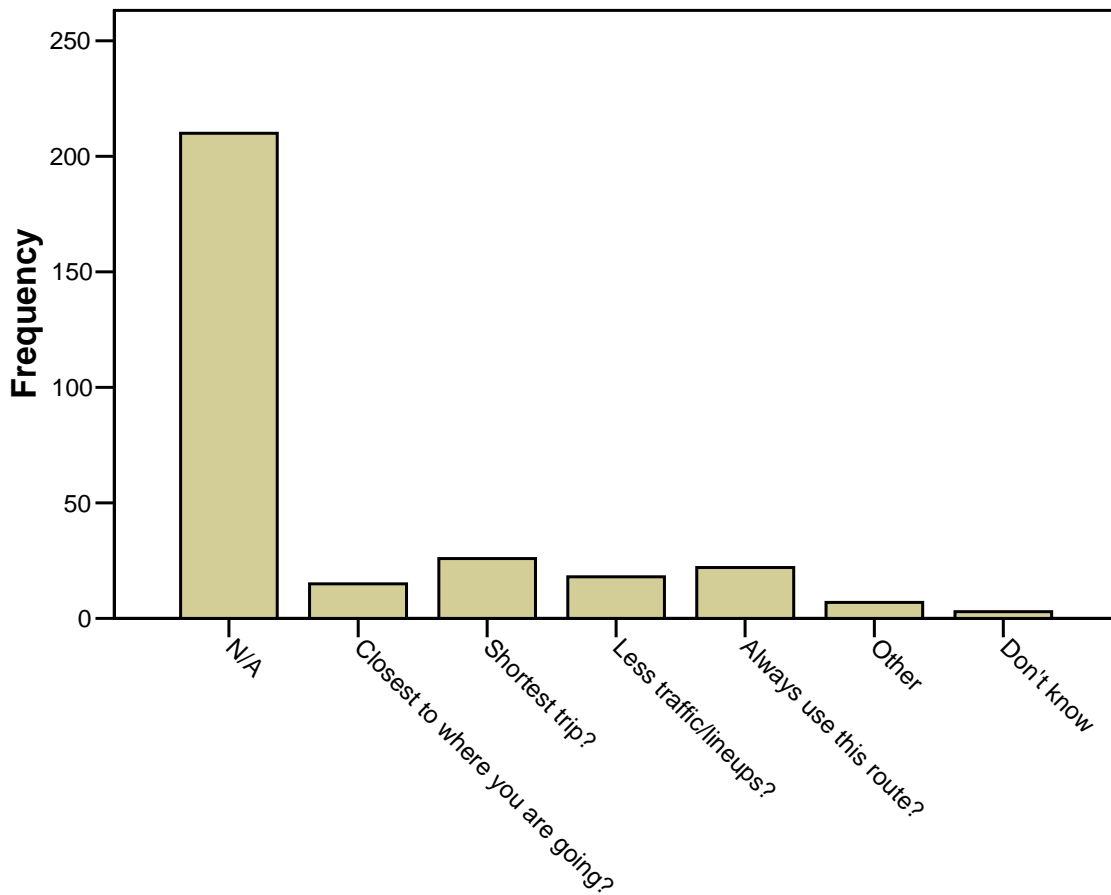
**How did you choose route? Trip 2**



**How did you choose route? Trip 3**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	N/A	210	69.5	69.8	69.8
	Closest to where you are going?	15	5.0	5.0	74.8
	Shortest trip?	26	8.6	8.6	83.4
	Less traffic/lineups?	18	6.0	6.0	89.4
	Always use this route?	22	7.3	7.3	96.7
	Other	7	2.3	2.3	99.0
	Don't know	3	1.0	1.0	100.0
	Total	301	99.7	100.0	
Missing	System	1	.3		
Total		302	100.0		

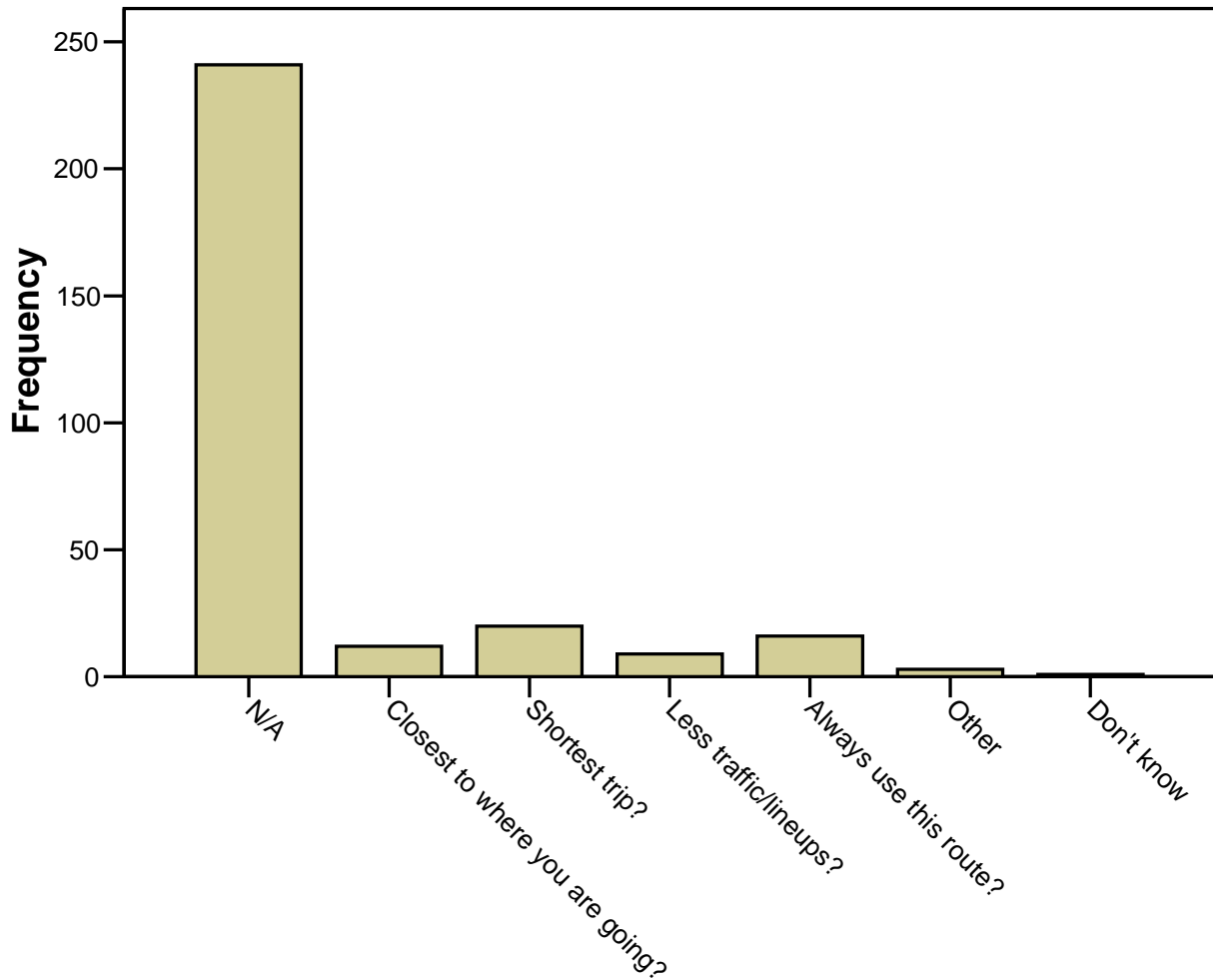
**How did you choose route? Trip 3**



**How did you choose route? Trip 4**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	N/A	241	79.8	79.8	79.8
	Closest to where you are going?	12	4.0	4.0	83.8
	Shortest trip?	20	6.6	6.6	90.4
	Less traffic/lineups?	9	3.0	3.0	93.4
	Always use this route?	16	5.3	5.3	98.7
	Other	3	1.0	1.0	99.7
	Don't know	1	.3	.3	100.0
	Total	302	100.0	100.0	

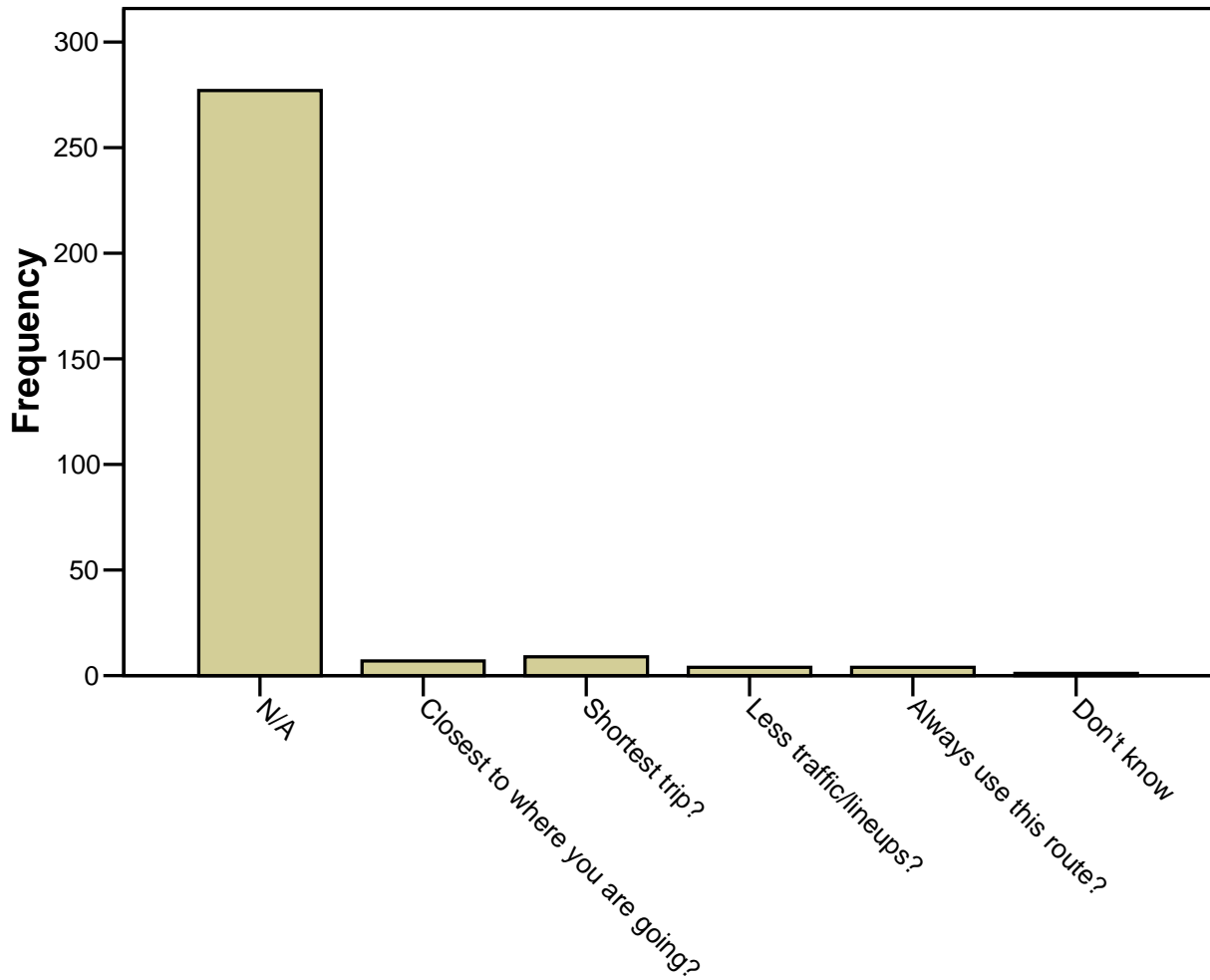
**How did you choose route? Trip 4**



**How did you choose route? Trip 5**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	N/A	277	91.7	91.7	91.7
	Closest to where you are going?	7	2.3	2.3	94.0
	Shortest trip?	9	3.0	3.0	97.0
	Less traffic/lineups?	4	1.3	1.3	98.3
	Always use this route?	4	1.3	1.3	99.7
	Don't know	1	.3	.3	100.0
	Total	302	100.0	100.0	

**How did you choose route? Trip 5**

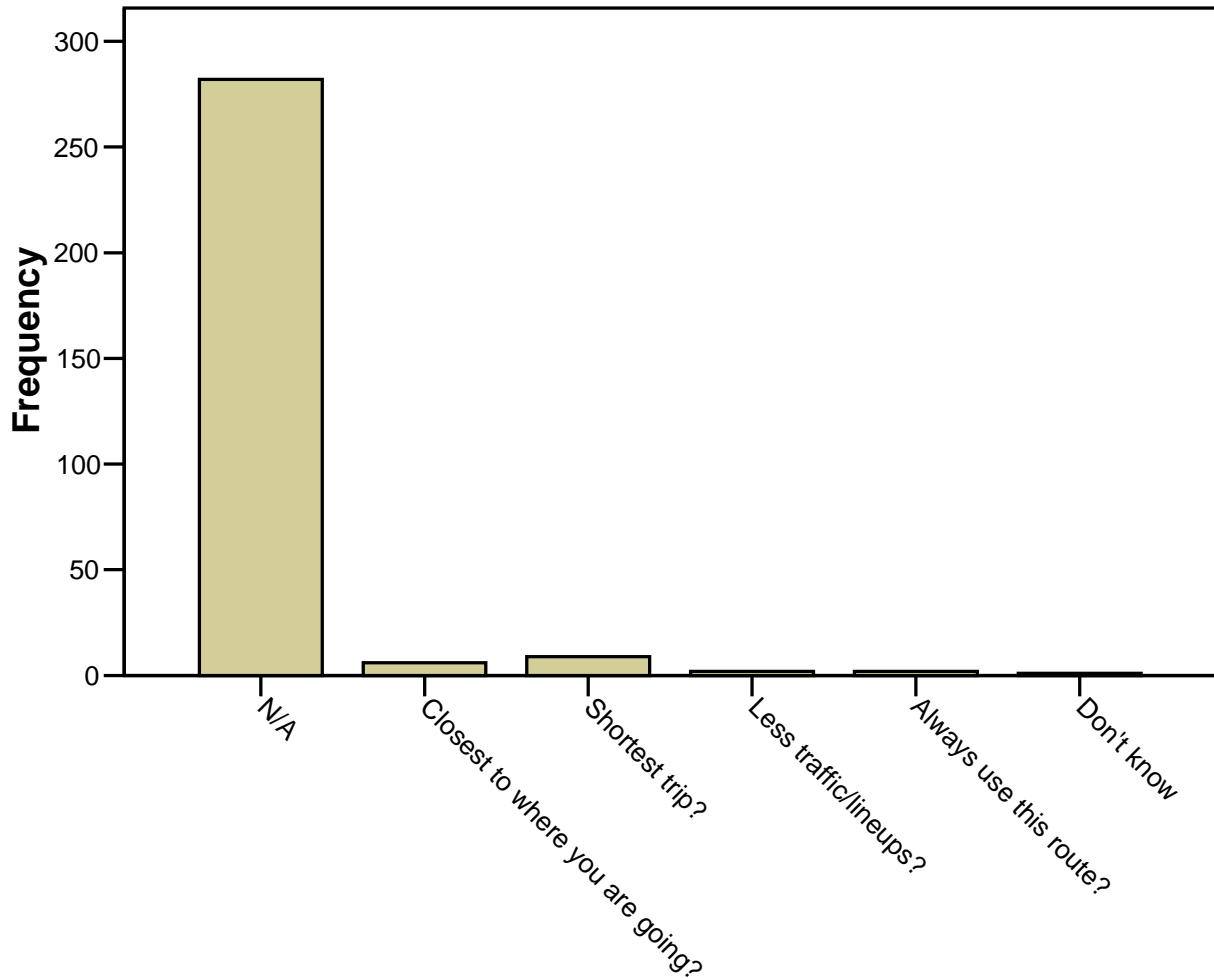




**How did you choose route? Trip 6**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	0	282	93.4	93.4	93.4
	Closest to where you are going?	6	2.0	2.0	95.4
	Shortest trip?	9	3.0	3.0	98.3
	Less traffic/lineups?	2	.7	.7	99.0
	Always use this route?	2	.7	.7	99.7
	Don't know	1	.3	.3	100.0
	Total	302	100.0	100.0	

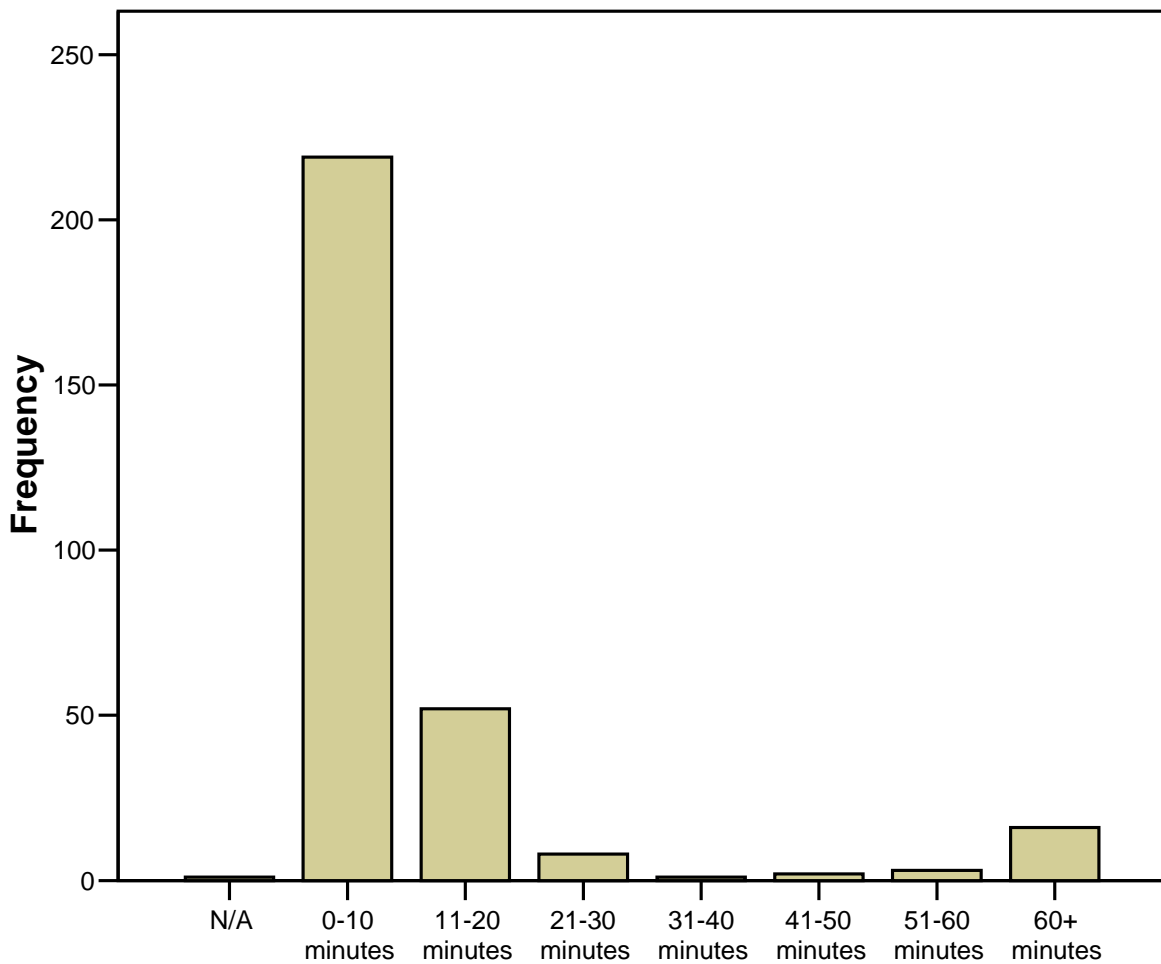
**How did you choose route? Trip 6**



**Travel time - Trip 1**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	0	1	.3	.3	.3
	0-10 minutes	219	72.5	72.5	72.8
	11-20 minutes	52	17.2	17.2	90.1
	21-30 minutes	8	2.6	2.6	92.7
	31-40 minutes	1	.3	.3	93.0
	41-50 minutes	2	.7	.7	93.7
	51-60 minutes	3	1.0	1.0	94.7
	60+ minutes	16	5.3	5.3	100.0
	Total	302	100.0	100.0	

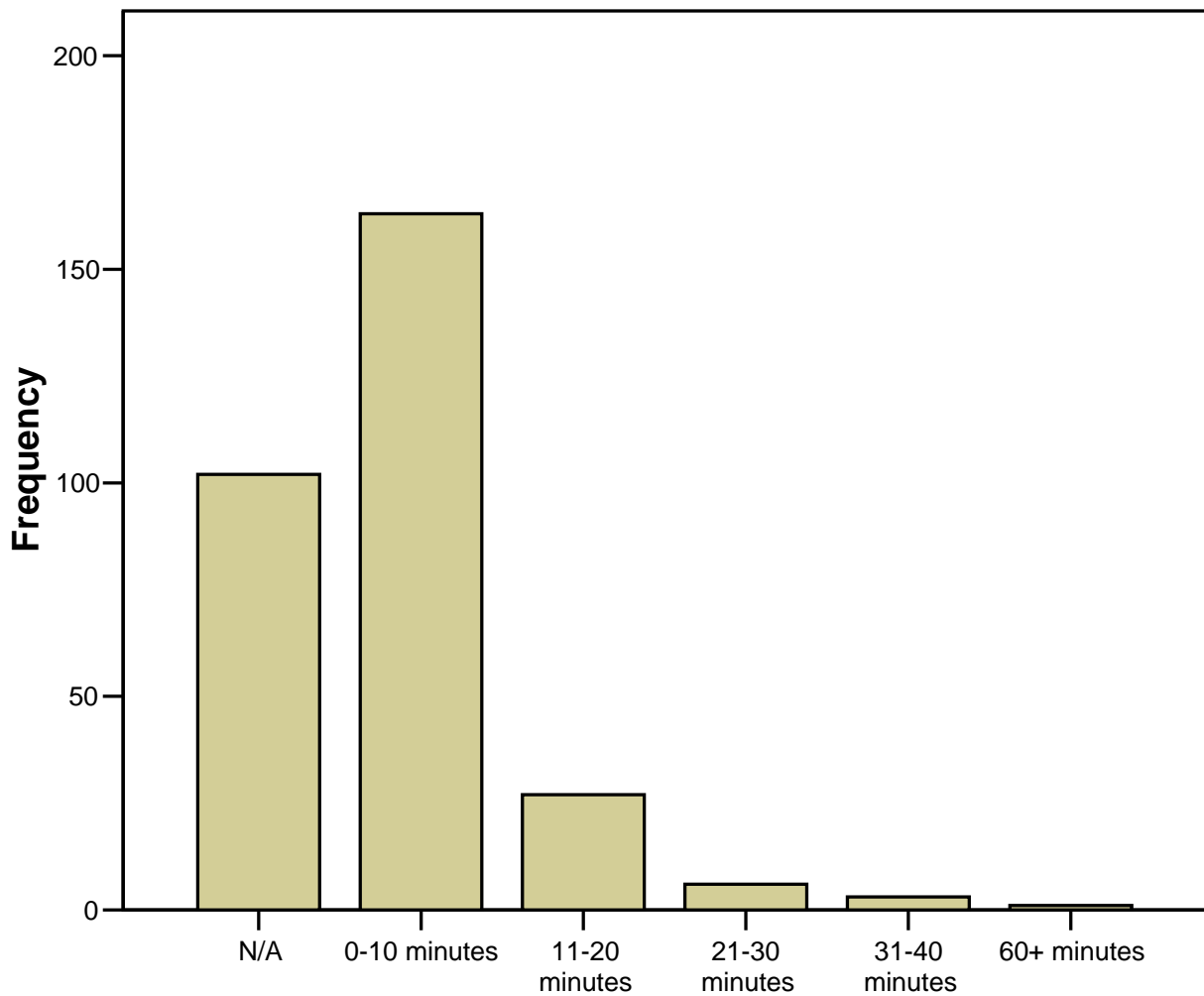
**Travel time - Trip 1**



**Travel time - Trip 2**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	0	102	33.8	33.8	33.8
	0-10 minutes	163	54.0	54.0	87.7
	11-20 minutes	27	8.9	8.9	96.7
	21-30 minutes	6	2.0	2.0	98.7
	31-40 minutes	3	1.0	1.0	99.7
	60+ minutes	1	.3	.3	100.0
	Total	302	100.0	100.0	

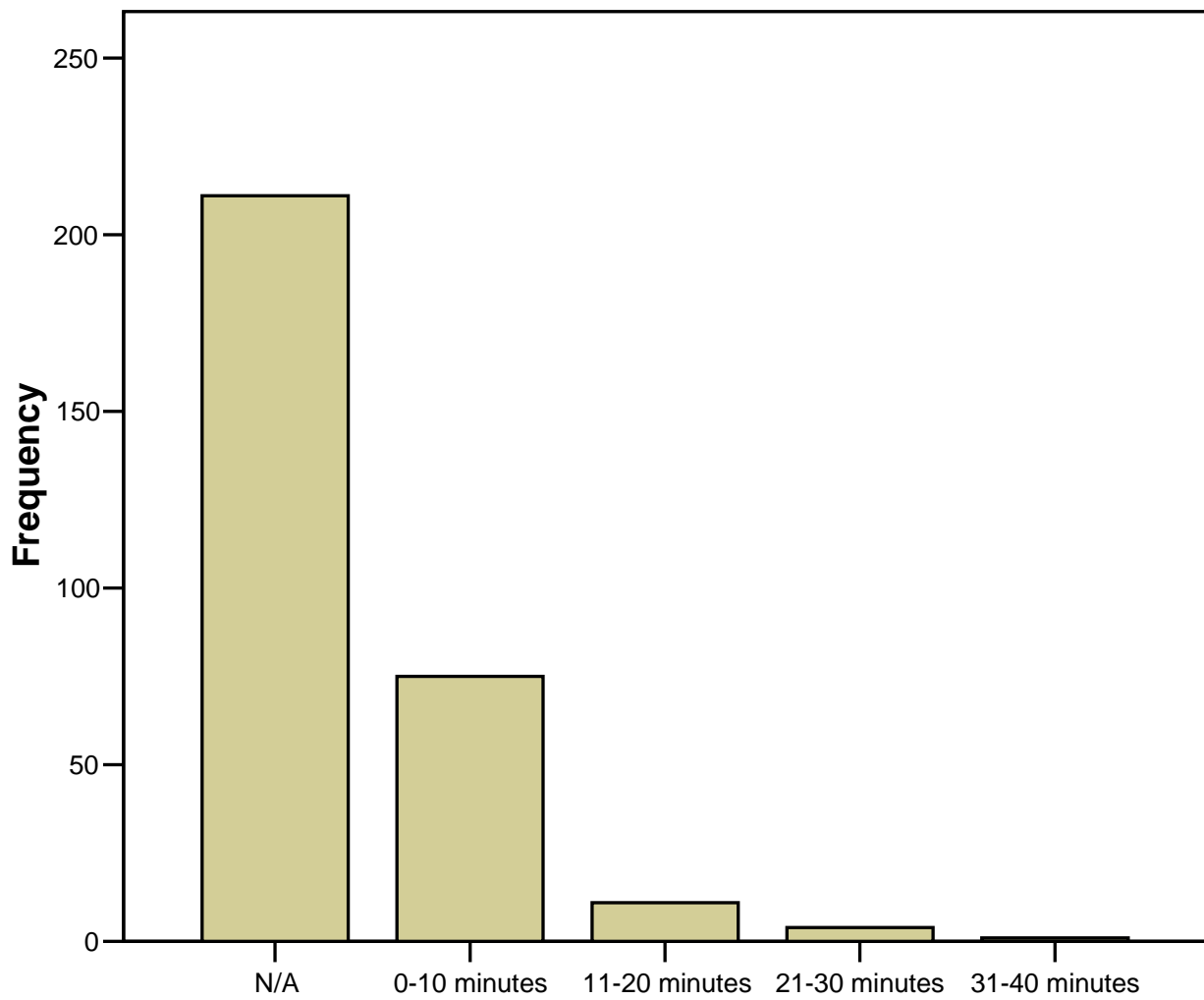
**Travel time - Trip 2**



**Travel time - Trip 3**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	N/A	211	69.9	69.9	69.9
	0-10 minutes	75	24.8	24.8	94.7
	11-20 minutes	11	3.6	3.6	98.3
	21-30 minutes	4	1.3	1.3	99.7
	31-40 minutes	1	.3	.3	100.0
	Total	302	100.0	100.0	

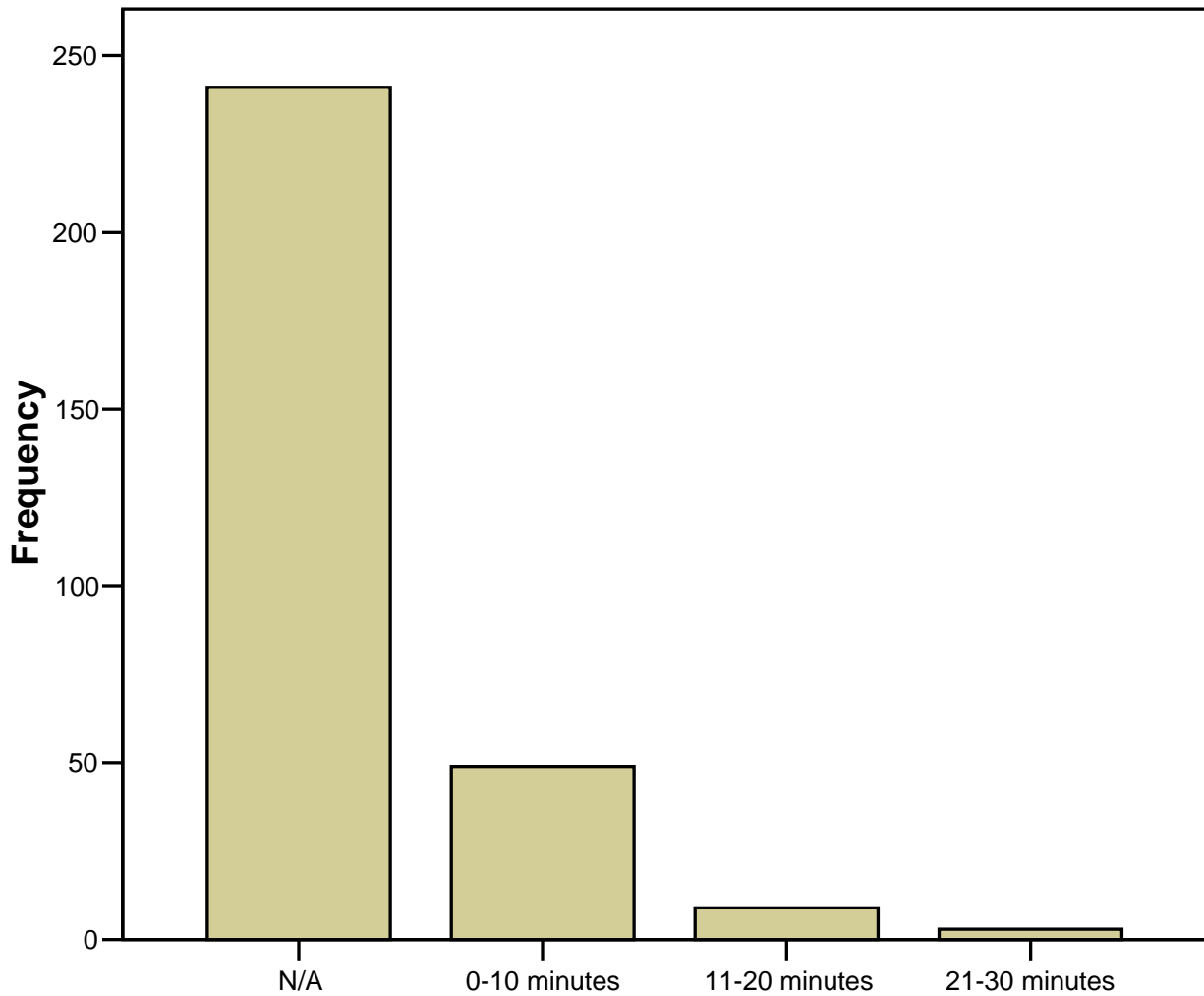
**Travel time - Trip 3**



**Travel time - Trip 4**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	N/A	241	79.8	79.8	79.8
	0-10 minutes	49	16.2	16.2	96.0
	11-20 minutes	9	3.0	3.0	99.0
	21-30 minutes	3	1.0	1.0	100.0
	Total	302	100.0	100.0	

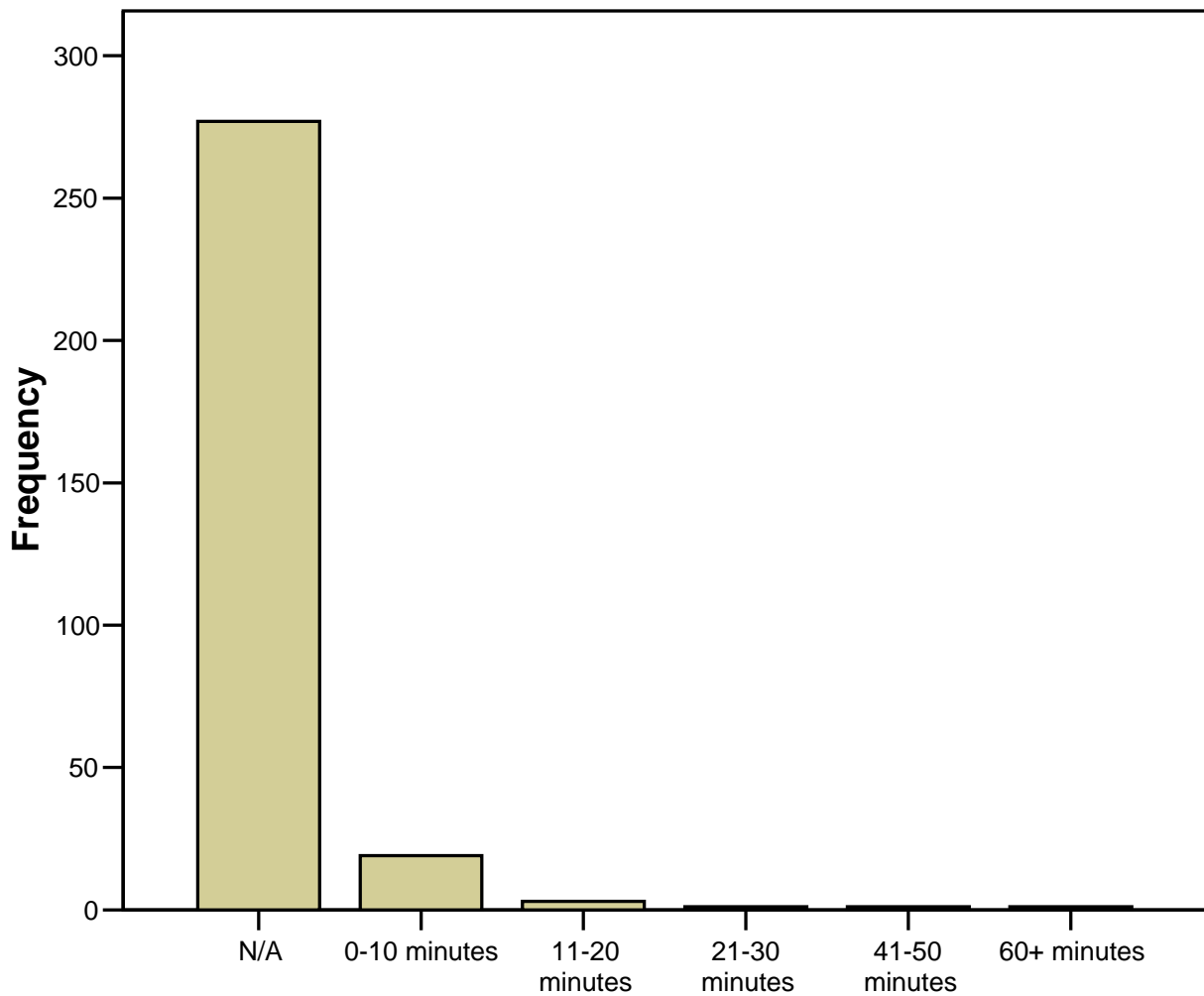
**Travel time - Trip 4**



**Travel time - Trip 5**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	N/A	277	91.7	91.7	91.7
	0-10 minutes	19	6.3	6.3	98.0
	11-20 minutes	3	1.0	1.0	99.0
	21-30 minutes	1	.3	.3	99.3
	41-50 minutes	1	.3	.3	99.7
	60+ minutes	1	.3	.3	100.0
	Total	302	100.0	100.0	

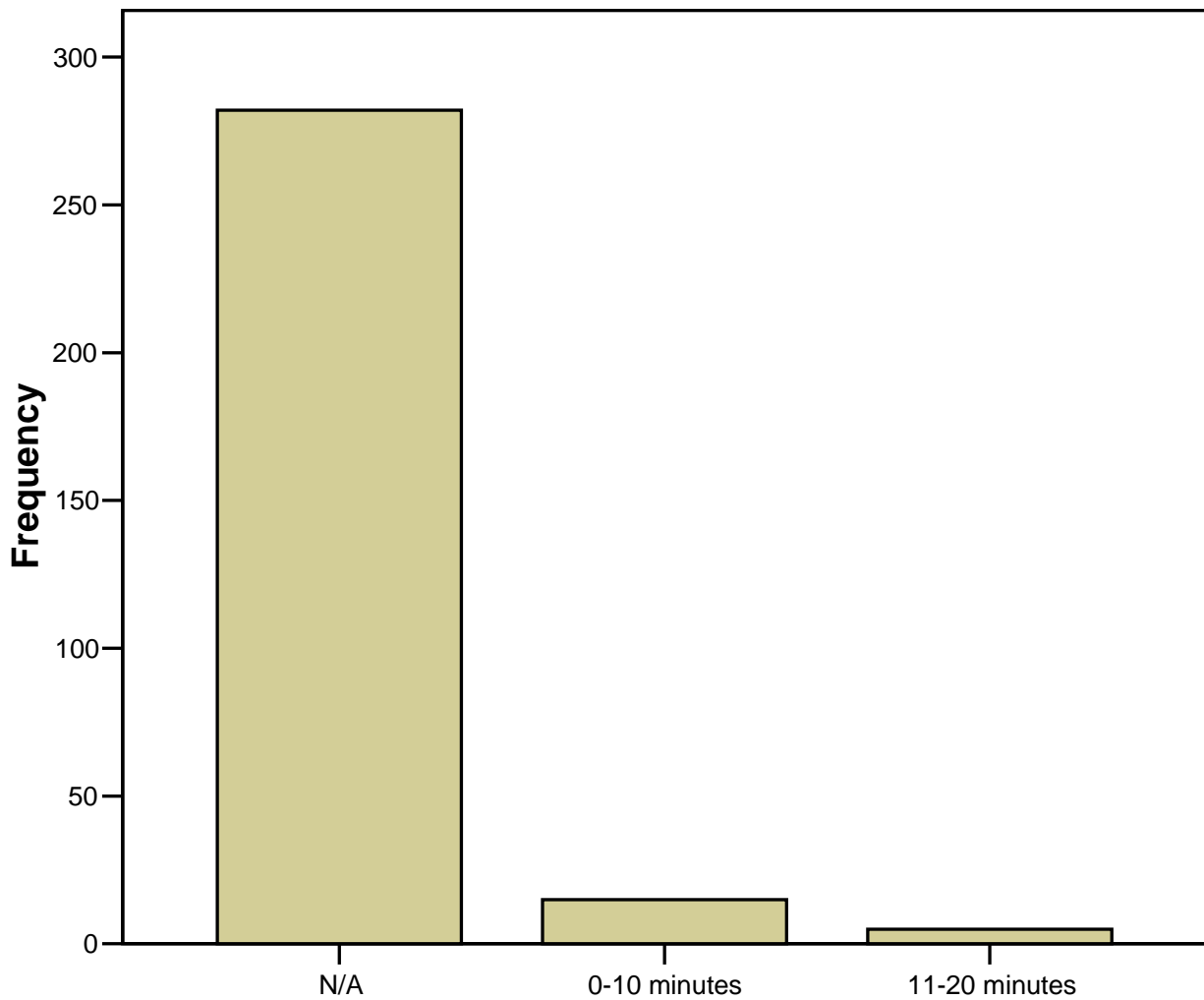
**Travel time - Trip 5**



**Travel time - Trip 6**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	N/A	282	93.4	93.4	93.4
	0-10 minutes	15	5.0	5.0	98.3
	11-20 minutes	5	1.7	1.7	100.0
	Total	302	100.0	100.0	

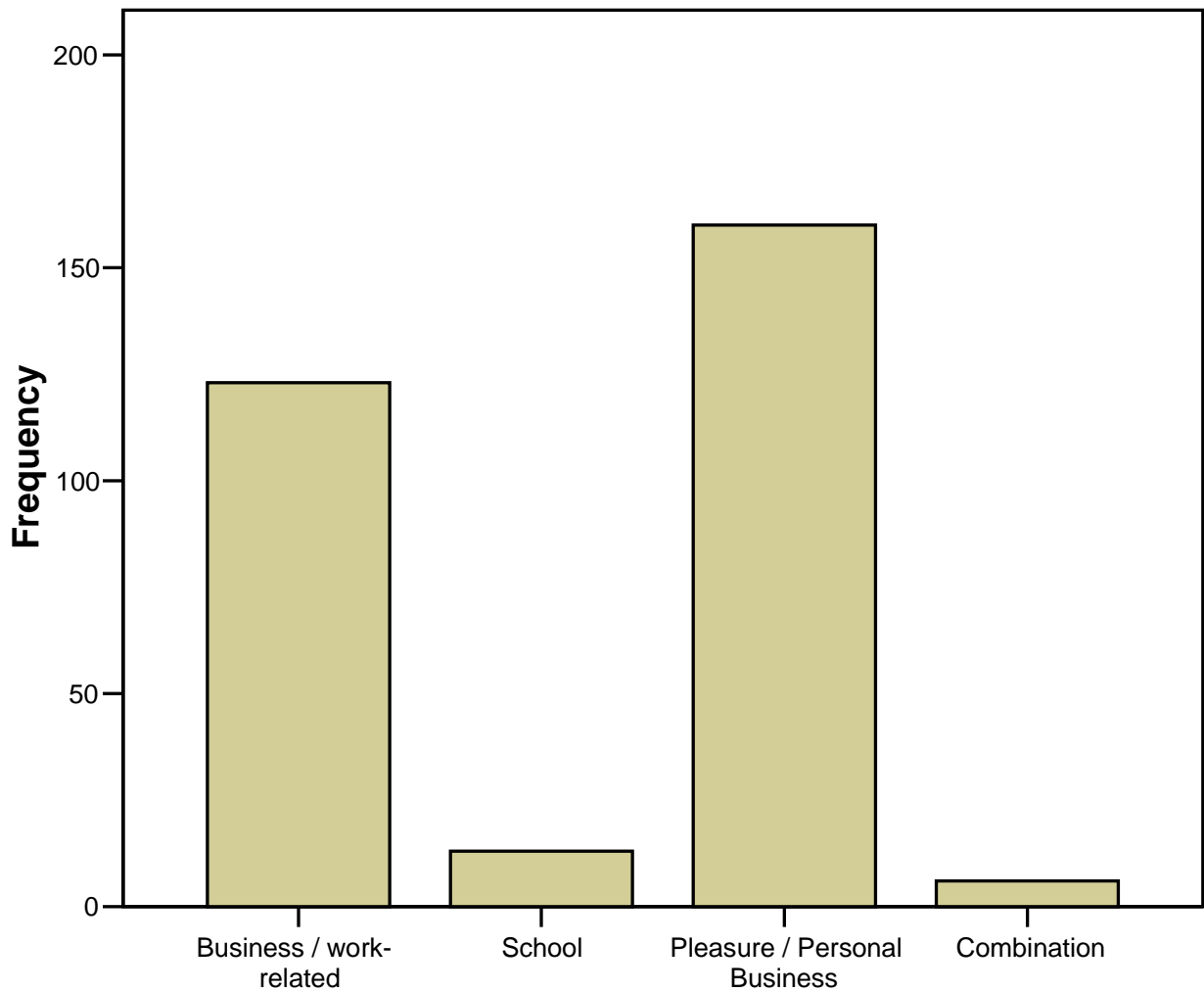
**Travel time - Trip 6**



**Primary purpose of trip 1**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Business / work-related	123	40.7	40.7	40.7
	School	13	4.3	4.3	45.0
	Pleasure / Personal Business	160	53.0	53.0	98.0
	Combination	6	2.0	2.0	100.0
	Total	302	100.0	100.0	

**Primary purpose of trip 1**

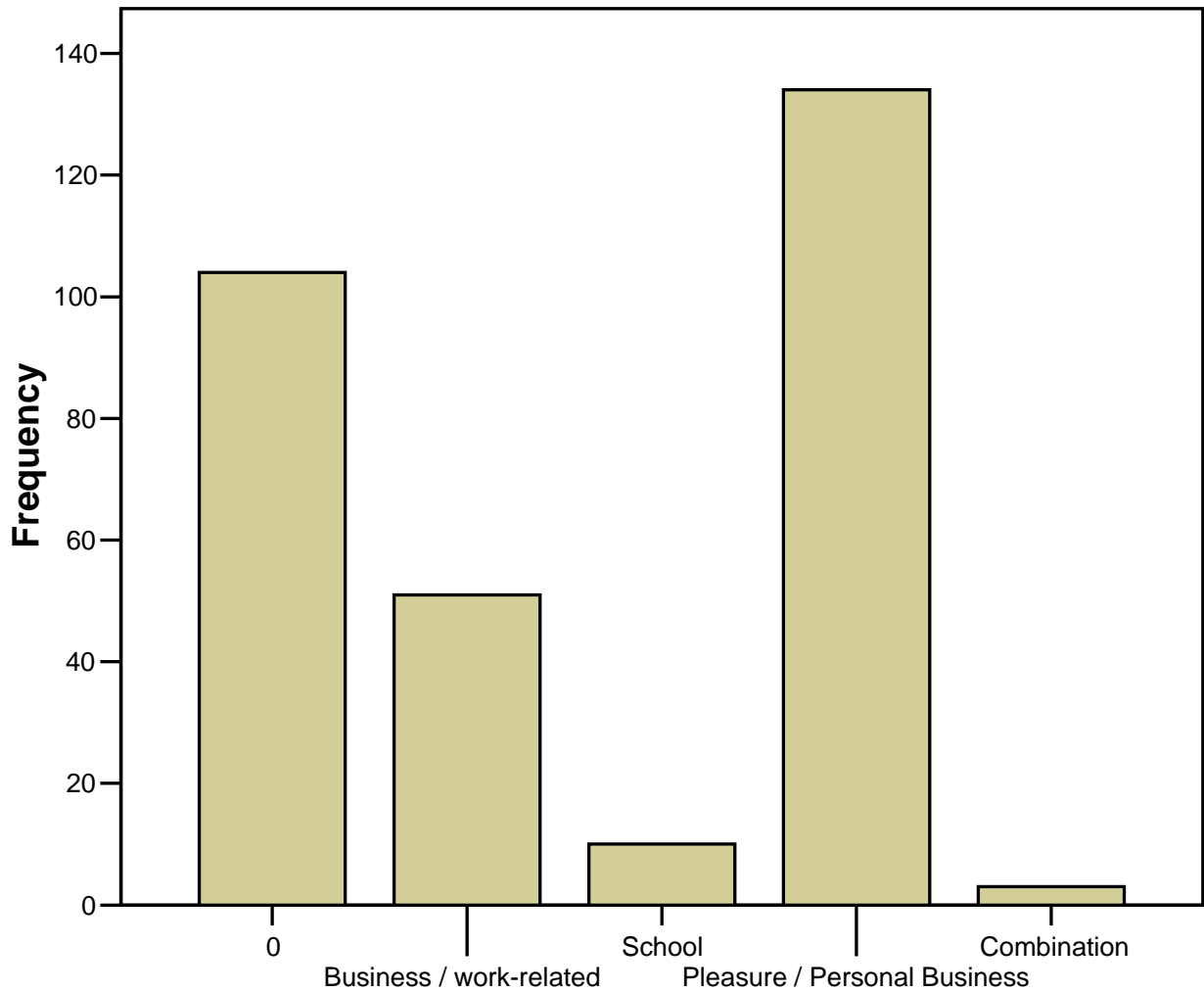




**Primary purpose of trip 2**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	N/A	104	34.4	34.4	34.4
	Business / work-related	51	16.9	16.9	51.3
	School	10	3.3	3.3	54.6
	Pleasure / Personal Business	134	44.4	44.4	99.0
	Combination	3	1.0	1.0	100.0
	Total	302	100.0	100.0	

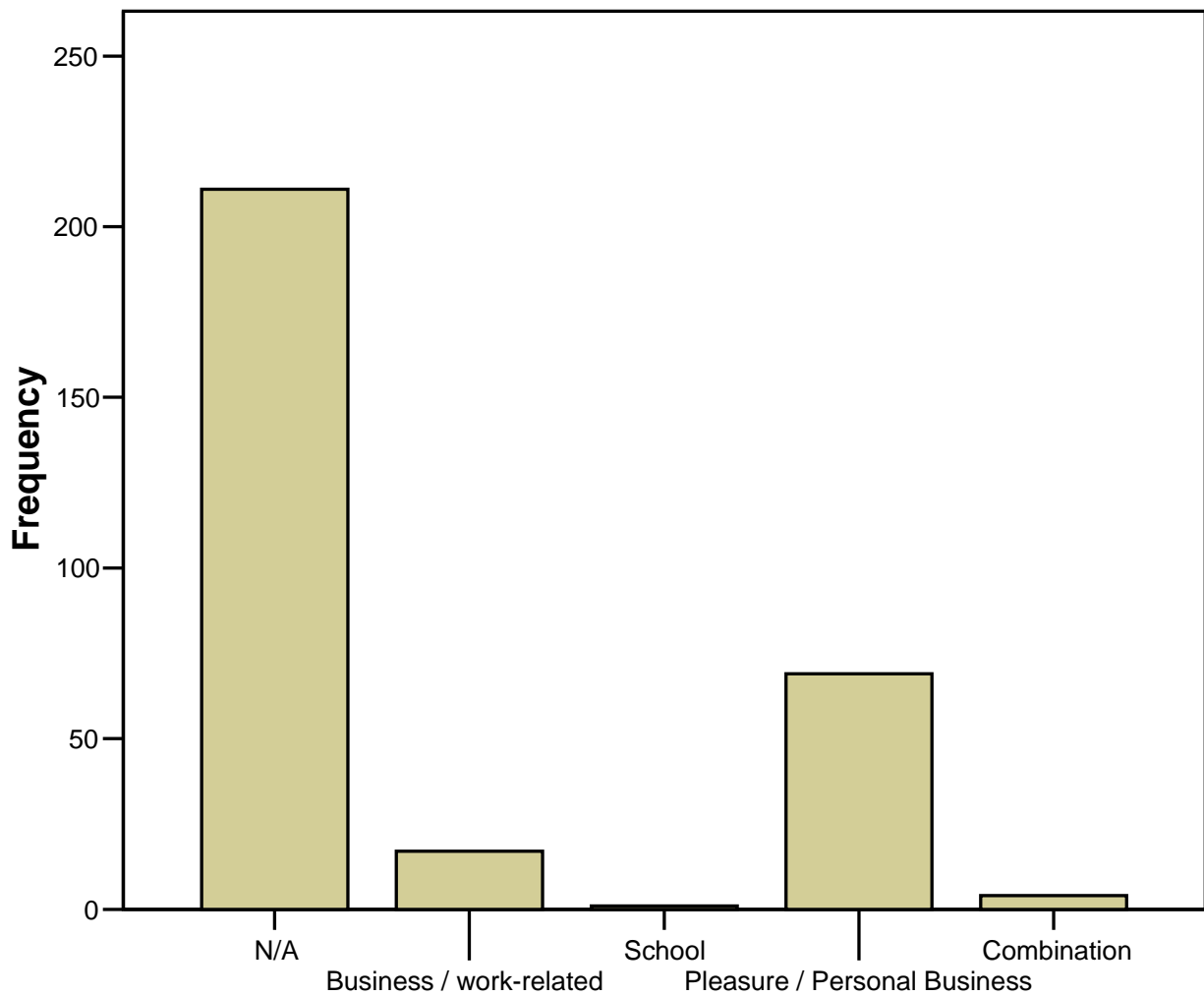
**Primary purpose of trip 2**



**Primary purpose of trip 3**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	N/A	211	69.9	69.9	69.9
	Business / work-related	17	5.6	5.6	75.5
	School	1	.3	.3	75.8
	Pleasure / Personal Business	69	22.8	22.8	98.7
	Combination	4	1.3	1.3	100.0
	Total	302	100.0	100.0	

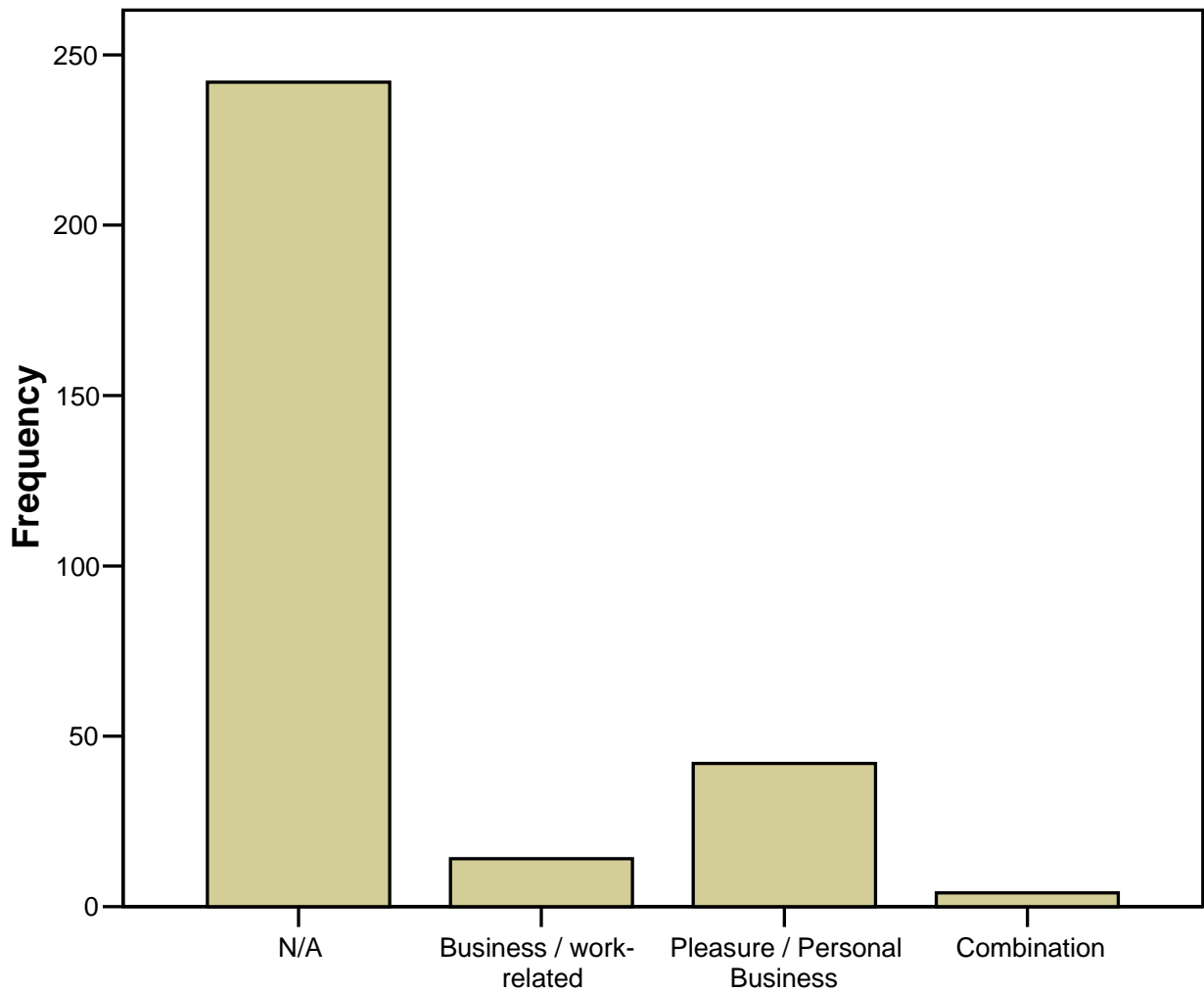
**Primary purpose of trip 3**



**Primary purpose of trip 4**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	0	242	80.1	80.1	80.1
	Business / work-related	14	4.6	4.6	84.8
	Pleasure / Personal Business	42	13.9	13.9	98.7
	Combination	4	1.3	1.3	100.0
	Total	302	100.0	100.0	

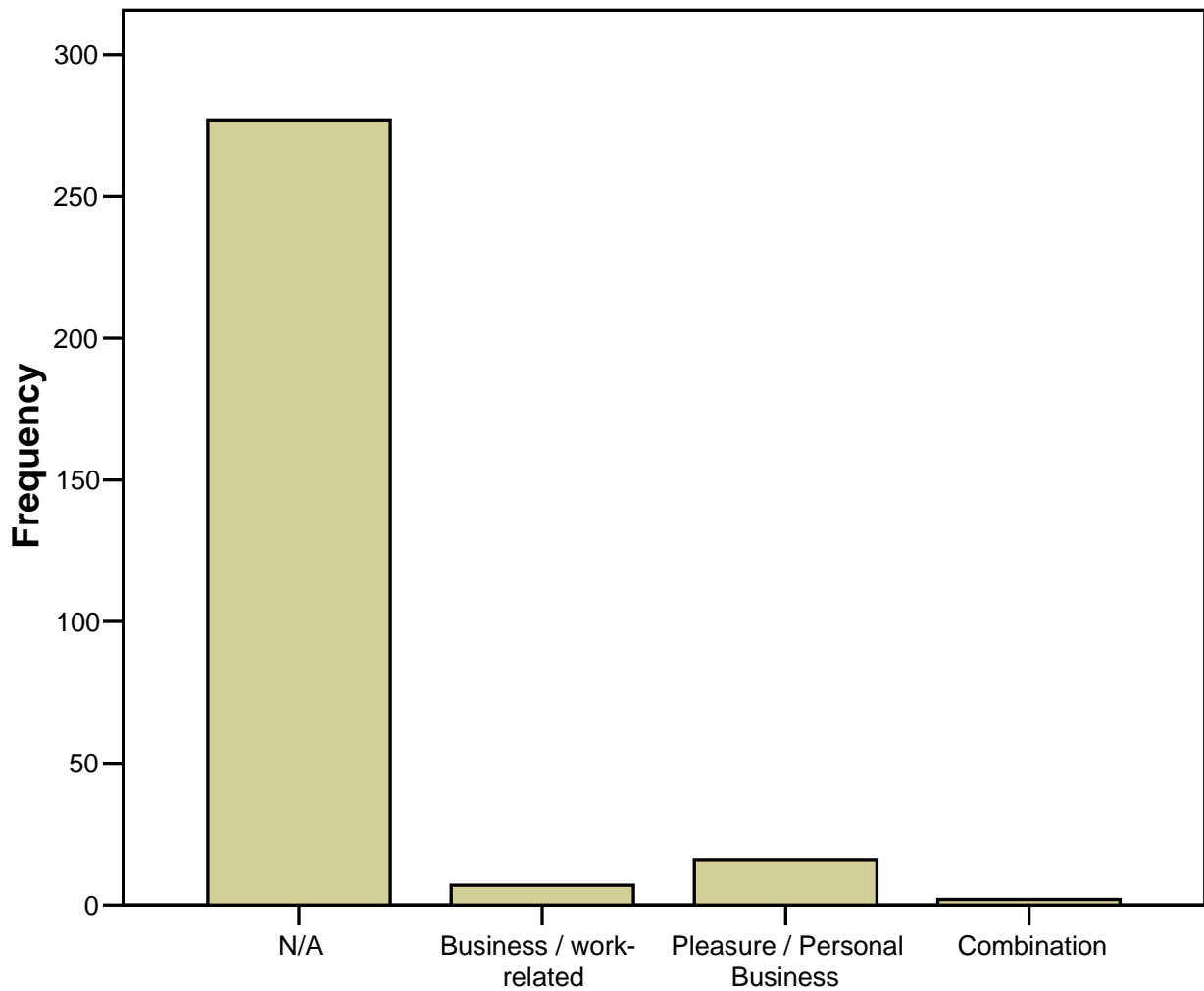
**Primary purpose of trip 4**



**Primary purpose of trip 5**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	0	277	91.7	91.7	91.7
	Business / work-related	7	2.3	2.3	94.0
	Pleasure / Personal Business	16	5.3	5.3	99.3
	Combination	2	.7	.7	100.0
	Total	302	100.0	100.0	

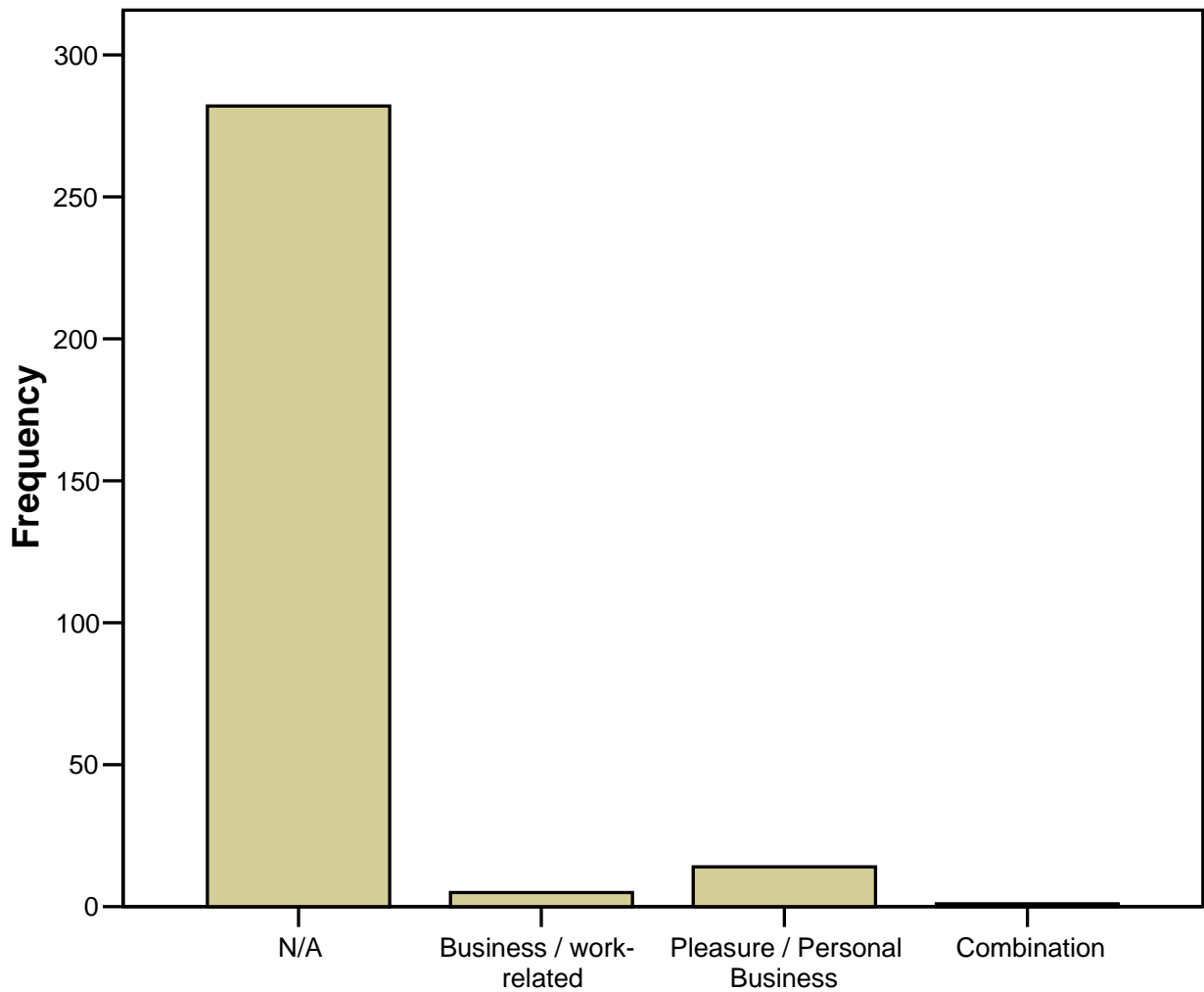
**Primary purpose of trip 5**



**Primary purpose of trip 6**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	N/A	282	93.4	93.4	93.4
	Business / work-related	5	1.7	1.7	95.0
	Pleasure / Personal Business	14	4.6	4.6	99.7
	Combination	1	.3	.3	100.0
	Total	302	100.0	100.0	

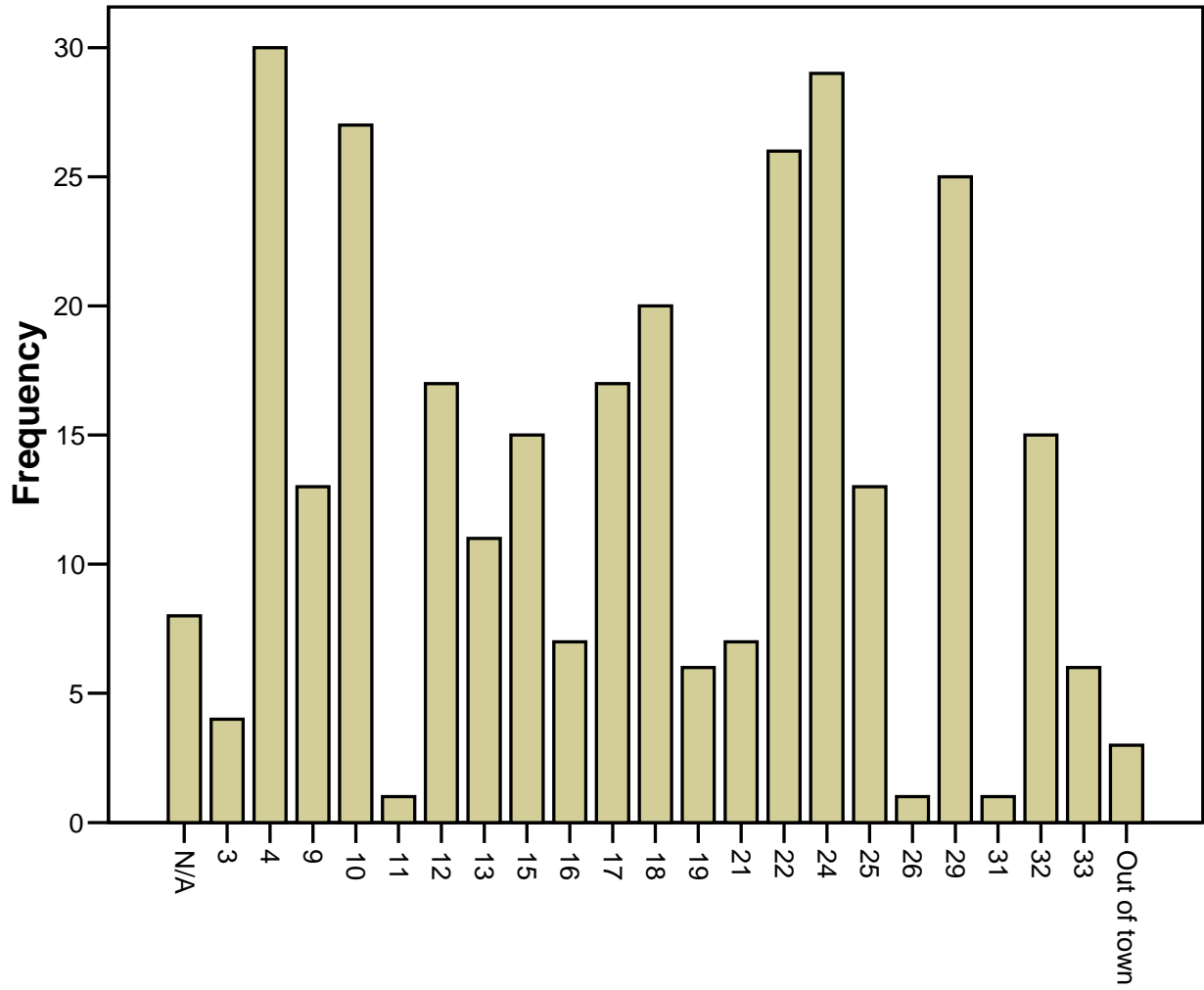
**Primary purpose of trip 6**



**Zone of residence**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	N/A	8	2.6	2.6	2.6
	3	4	1.3	1.3	4.0
	4	30	9.9	9.9	13.9
	9	13	4.3	4.3	18.2
	10	27	8.9	8.9	27.2
	11	1	.3	.3	27.5
	12	17	5.6	5.6	33.1
	13	11	3.6	3.6	36.8
	15	15	5.0	5.0	41.7
	16	7	2.3	2.3	44.0
	17	17	5.6	5.6	49.7
	18	20	6.6	6.6	56.3
	19	6	2.0	2.0	58.3
	21	7	2.3	2.3	60.6
	22	26	8.6	8.6	69.2
	24	29	9.6	9.6	78.8
	25	13	4.3	4.3	83.1
	26	1	.3	.3	83.4
	29	25	8.3	8.3	91.7
	31	1	.3	.3	92.1
	32	15	5.0	5.0	97.0
	33	6	2.0	2.0	99.0
	Out of town	3	1.0	1.0	100.0
	Total	302	100.0	100.0	

### Zone of residence



Postal Code

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	N/A	14	4.6	4.6	4.6
	R0K0W0	1	.3	.3	5.0
	R0M0S0	1	.3	.3	5.3
	R7A0A4	1	.3	.3	5.6
	R7A0E4	1	.3	.3	6.0
	R7A0L1	1	.3	.3	6.3
	R7A0R5	1	.3	.3	6.6
	R7A0V2	1	.3	.3	7.0
	R7A0X2	1	.3	.3	7.3
	R7A0X6	1	.3	.3	7.6
	R7A0Y5	1	.3	.3	7.9
	R7A1A3	2	.7	.7	8.6
	R7A1B6	1	.3	.3	8.9
	R7A1E9	1	.3	.3	9.3
	R7A1F6	1	.3	.3	9.6
	R7A1H8	1	.3	.3	9.9
	R7A1L8	1	.3	.3	10.3
	R7A1N4	1	.3	.3	10.6
	R7A1N9	1	.3	.3	10.9
	R7A1R3	1	.3	.3	11.3
	R7A1R4	1	.3	.3	11.6
	R7A1X1	2	.7	.7	12.3
	R7A1Y7	2	.7	.7	12.9
	R7A2A1	1	.3	.3	13.2
	R7A2B7	1	.3	.3	13.6
	R7A2E2	1	.3	.3	13.9
	R7A2E5	1	.3	.3	14.2
	R7A2E6	1	.3	.3	14.6
	R7A2E8	1	.3	.3	14.9
	R7A2G4	1	.3	.3	15.2
	R7A2G9	1	.3	.3	15.6
	R7A2H4	1	.3	.3	15.9
	R7A2H5	2	.7	.7	16.6
	R7A2H6	1	.3	.3	16.9
	R7A2H7	2	.7	.7	17.5
	R7A2J3	1	.3	.3	17.9
	R7A2J5	1	.3	.3	18.2
	R7A2J9	1	.3	.3	18.5
	R7A2K2	1	.3	.3	18.9
	R7A2K4	2	.7	.7	19.5
	R7A2L3	1	.3	.3	19.9
	R7A2M6	1	.3	.3	20.2
	R7A2W5	1	.3	.3	20.5



R7A2X9	1	.3	.3	20.9
R7A2Z3	1	.3	.3	21.2
R7A2Z4	1	.3	.3	21.5
R7A3A9	1	.3	.3	21.9
R7A3B5	1	.3	.3	22.2
R7A3C7	1	.3	.3	22.5
R7A3E5	1	.3	.3	22.8
R7A3G7	1	.3	.3	23.2
R7A3G8	1	.3	.3	23.5
R7A3G9	1	.3	.3	23.8
R7A3J4	1	.3	.3	24.2
R7A3J9	1	.3	.3	24.5
R7A3M6	1	.3	.3	24.8
R7A3P6	1	.3	.3	25.2
R7A3R2	1	.3	.3	25.5
R7A3R5	1	.3	.3	25.8
R7A3T2	1	.3	.3	26.2
R7A3T9	1	.3	.3	26.5
R7A3V2	1	.3	.3	26.8
R7A3V7	1	.3	.3	27.2
R7A3W5	1	.3	.3	27.5
R7A3Y9	1	.3	.3	27.8
R7A3Z3	1	.3	.3	28.1
R7A4A2	1	.3	.3	28.5
R7A4B4	1	.3	.3	28.8
R7A4C5	1	.3	.3	29.1
R7A4C6	1	.3	.3	29.5
R7A4H3	1	.3	.3	29.8
R7A4K3	1	.3	.3	30.1
R7A4K4	1	.3	.3	30.5
R7A4L3	1	.3	.3	30.8
R7A4L4	1	.3	.3	31.1
R7A4M1	1	.3	.3	31.5
R7A4N4	1	.3	.3	31.8
R7A4P5	1	.3	.3	32.1
R7A4R3	1	.3	.3	32.5
R7A4R5	1	.3	.3	32.8
R7A4S8	1	.3	.3	33.1
R7A4T3	1	.3	.3	33.4
R7A4V8	1	.3	.3	33.8
R7A4W5	1	.3	.3	34.1
R7A4X3	1	.3	.3	34.4
R7A4Y9	1	.3	.3	34.8
R7A4Z9	1	.3	.3	35.1
R7A5A5	1	.3	.3	35.4
R7A5G2	1	.3	.3	35.8
R7A5H8	1	.3	.3	36.1

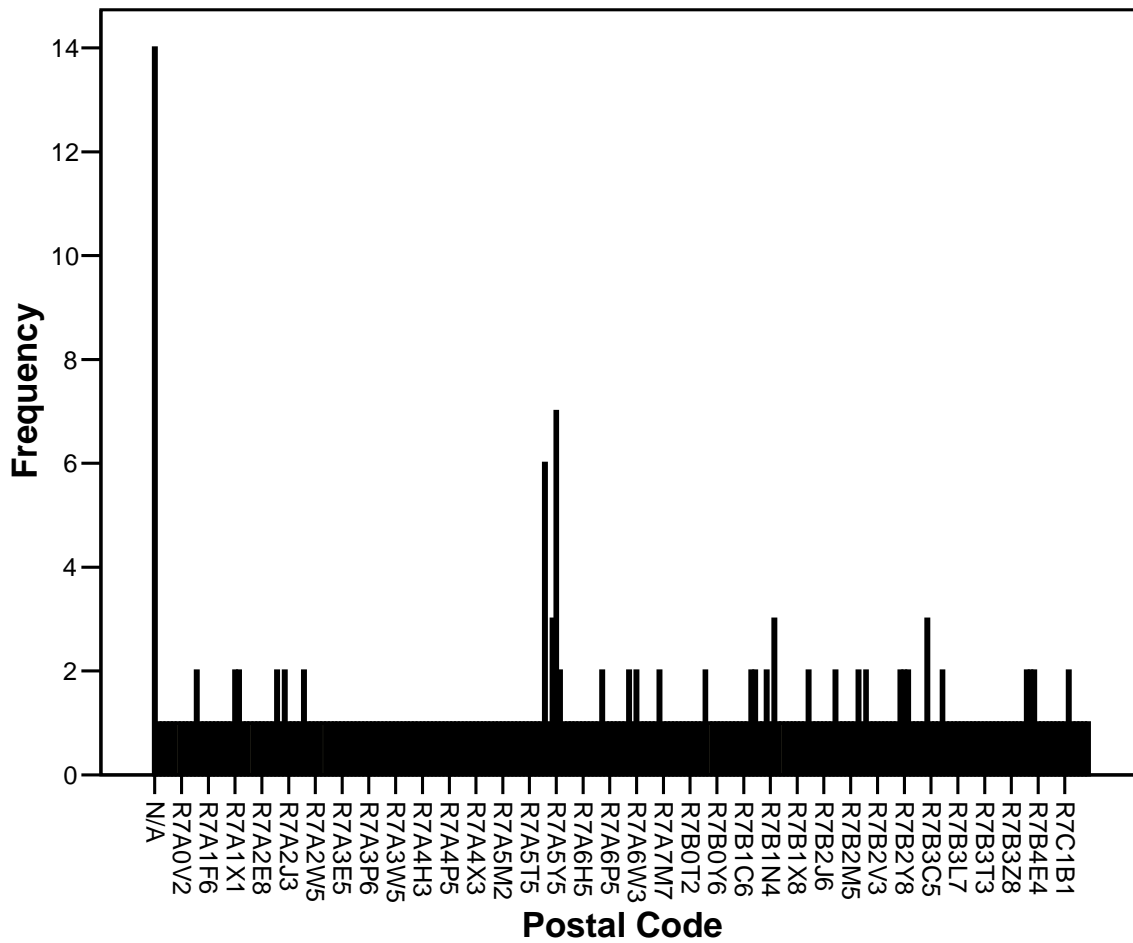
R7A5L7	1	.3	.3	36.4
R7A5M2	1	.3	.3	36.8
R7A5M3	1	.3	.3	37.1
R7A5P1	1	.3	.3	37.4
R7A5P6	1	.3	.3	37.7
R7A5R5	1	.3	.3	38.1
R7A5T1	1	.3	.3	38.4
R7A5T3	1	.3	.3	38.7
R7A5T5	1	.3	.3	39.1
R7A5V2	1	.3	.3	39.4
R7A5V6	1	.3	.3	39.7
R7A5W8	1	.3	.3	40.1
R7A5Y1	6	2.0	2.0	42.1
R7A5Y2	1	.3	.3	42.4
R7A5Y3	3	1.0	1.0	43.4
R7A5Y5	7	2.3	2.3	45.7
R7A6B5	2	.7	.7	46.4
R7A6B6	1	.3	.3	46.7
R7A6C4	1	.3	.3	47.0
R7A6C8	1	.3	.3	47.4
R7A6E8	1	.3	.3	47.7
R7A6H2	1	.3	.3	48.0
R7A6H5	1	.3	.3	48.3
R7A6H6	1	.3	.3	48.7
R7A6J2	1	.3	.3	49.0
R7A6J8	1	.3	.3	49.3
R7A6K3	1	.3	.3	49.7
R7A6L7	2	.7	.7	50.3
R7A6M1	1	.3	.3	50.7
R7A6P5	1	.3	.3	51.0
R7A6R4	1	.3	.3	51.3
R7A6S5	1	.3	.3	51.7
R7A6S6	1	.3	.3	52.0
R7A6T6	1	.3	.3	52.3
R7A6T9	2	.7	.7	53.0
R7A6V9	1	.3	.3	53.3
R7A6W3	2	.7	.7	54.0
R7A6W4	1	.3	.3	54.3
R7A6Y2	1	.3	.3	54.6
R7A6Z1	1	.3	.3	55.0
R7A7J6	1	.3	.3	55.3
R7A7K8	1	.3	.3	55.6
R7A7L9	2	.7	.7	56.3
R7A7M7	1	.3	.3	56.6
R7A7N7	1	.3	.3	57.0
R7A7R5	1	.3	.3	57.3
R7B0G1	1	.3	.3	57.6

R7B0G6	1	.3	.3	57.9
R7B0M2	1	.3	.3	58.3
R7B0S8	1	.3	.3	58.6
R7B0T2	1	.3	.3	58.9
R7B0T6	1	.3	.3	59.3
R7B0V1	1	.3	.3	59.6
R7B0V5	1	.3	.3	59.9
R7B0W4	2	.7	.7	60.6
R7B0W7	1	.3	.3	60.9
R7B0Y3	1	.3	.3	61.3
R7B0Y6	1	.3	.3	61.6
R7B0Z5	1	.3	.3	61.9
R7B1A1	1	.3	.3	62.3
R7B1A4	1	.3	.3	62.6
R7B1A5	1	.3	.3	62.9
R7B1B5	1	.3	.3	63.2
R7B1C4	1	.3	.3	63.6
R7B1C6	1	.3	.3	63.9
R7B1E7	1	.3	.3	64.2
R7B1G1	2	.7	.7	64.9
R7B1G3	2	.7	.7	65.6
R7B1M2	1	.3	.3	65.9
R7B1M3	1	.3	.3	66.2
R7B1M9	2	.7	.7	66.9
R7B1N4	1	.3	.3	67.2
R7B1R3	3	1.0	1.0	68.2
R7B1S8	1	.3	.3	68.5
R7B1S9	1	.3	.3	68.9
R7B1T5	1	.3	.3	69.2
R7B1T7	1	.3	.3	69.5
R7B1W6	1	.3	.3	69.9
R7B1X8	1	.3	.3	70.2
R7B2C3	1	.3	.3	70.5
R7B2C9	1	.3	.3	70.9
R7B2G3	2	.7	.7	71.5
R7B2G8	1	.3	.3	71.9
R7B2H2	1	.3	.3	72.2
R7B2H5	1	.3	.3	72.5
R7B2J6	1	.3	.3	72.8
R7B2K3	1	.3	.3	73.2
R7B2K5	1	.3	.3	73.5
R7B2L1	2	.7	.7	74.2
R7B2L3	1	.3	.3	74.5
R7B2L9	1	.3	.3	74.8
R7B2M2	1	.3	.3	75.2
R7B2M5	1	.3	.3	75.5
R7B2M6	1	.3	.3	75.8

R7B2P2	2	.7	.7	76.5
R7B2P3	1	.3	.3	76.8
R7B2P5	2	.7	.7	77.5
R7B2S4	1	.3	.3	77.8
R7B2T1	1	.3	.3	78.1
R7B2V3	1	.3	.3	78.5
R7B2V4	1	.3	.3	78.8
R7B2V7	1	.3	.3	79.1
R7B2V8	1	.3	.3	79.5
R7B2W4	1	.3	.3	79.8
R7B2W6	1	.3	.3	80.1
R7B2X2	2	.7	.7	80.8
R7B2Y8	2	.7	.7	81.5
R7B2Z2	2	.7	.7	82.1
R7B3A2	1	.3	.3	82.5
R7B3A7	1	.3	.3	82.8
R7B3B8	1	.3	.3	83.1
R7B3B9	1	.3	.3	83.4
R7B3C3	3	1.0	1.0	84.4
R7B3C5	1	.3	.3	84.8
R7B3C6	1	.3	.3	85.1
R7B3E3	1	.3	.3	85.4
R7B3E4	2	.7	.7	86.1
R7B3F7	1	.3	.3	86.4
R7B3H7	1	.3	.3	86.8
R7B3L4	1	.3	.3	87.1
R7B3L7	1	.3	.3	87.4
R7B3M6	1	.3	.3	87.7
R7B3N4	1	.3	.3	88.1
R7B3P6	1	.3	.3	88.4
R7B3R1	1	.3	.3	88.7
R7B3R6	1	.3	.3	89.1
R7B3S4	1	.3	.3	89.4
R7B3T3	1	.3	.3	89.7
R7B3T4	1	.3	.3	90.1
R7B3V8	1	.3	.3	90.4
R7B3V9	1	.3	.3	90.7
R7B3X7	1	.3	.3	91.1
R7B3X9	1	.3	.3	91.4
R7B3Y8	1	.3	.3	91.7
R7B3Z8	1	.3	.3	92.1
R7B3Z9	1	.3	.3	92.4
R7B4B6	1	.3	.3	92.7
R7B4B7	1	.3	.3	93.0
R7B4C3	2	.7	.7	93.7
R7B4C4	2	.7	.7	94.4
R7B4C9	2	.7	.7	95.0

R7B4E4	1	.3	.3	95.4
R7B4E6	1	.3	.3	95.7
R7B4G2	1	.3	.3	96.0
R7B5Y3	1	.3	.3	96.4
R7B6L3	1	.3	.3	96.7
R7B6T3	1	.3	.3	97.0
R7C1A2	1	.3	.3	97.4
R7C1B1	1	.3	.3	97.7
R7C1B2	2	.7	.7	98.3
R7C1B8	1	.3	.3	98.7
R7C1B9	1	.3	.3	99.0
R7C1E5	1	.3	.3	99.3
R7D0X6	1	.3	.3	99.7
R7I1A9	1	.3	.3	100.0
Total	302	100.0	100.0	

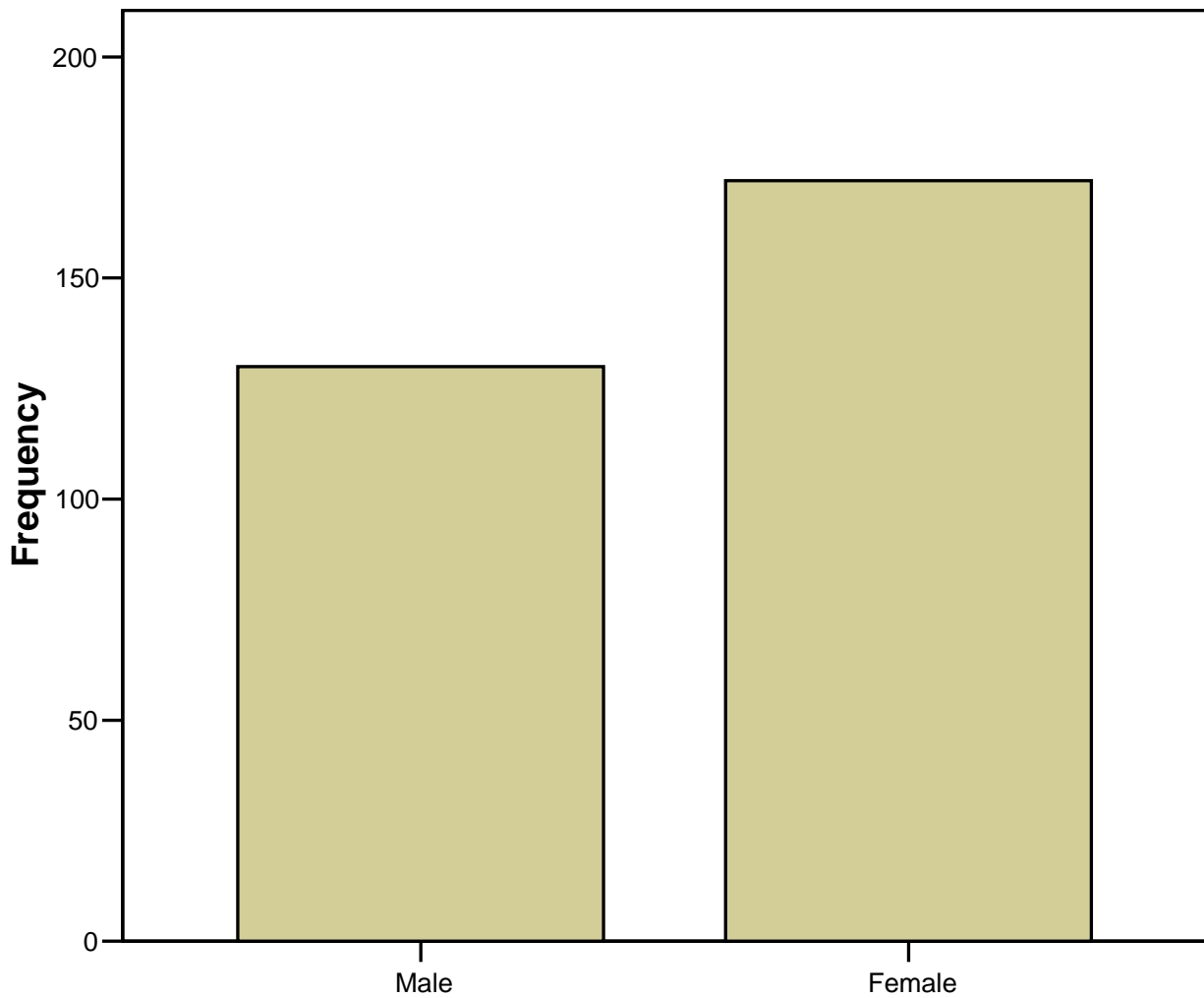
**Postal Code**



**Gender**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Male	130	43.0	43.0	43.0
	Female	172	57.0	57.0	100.0
	Total	302	100.0	100.0	

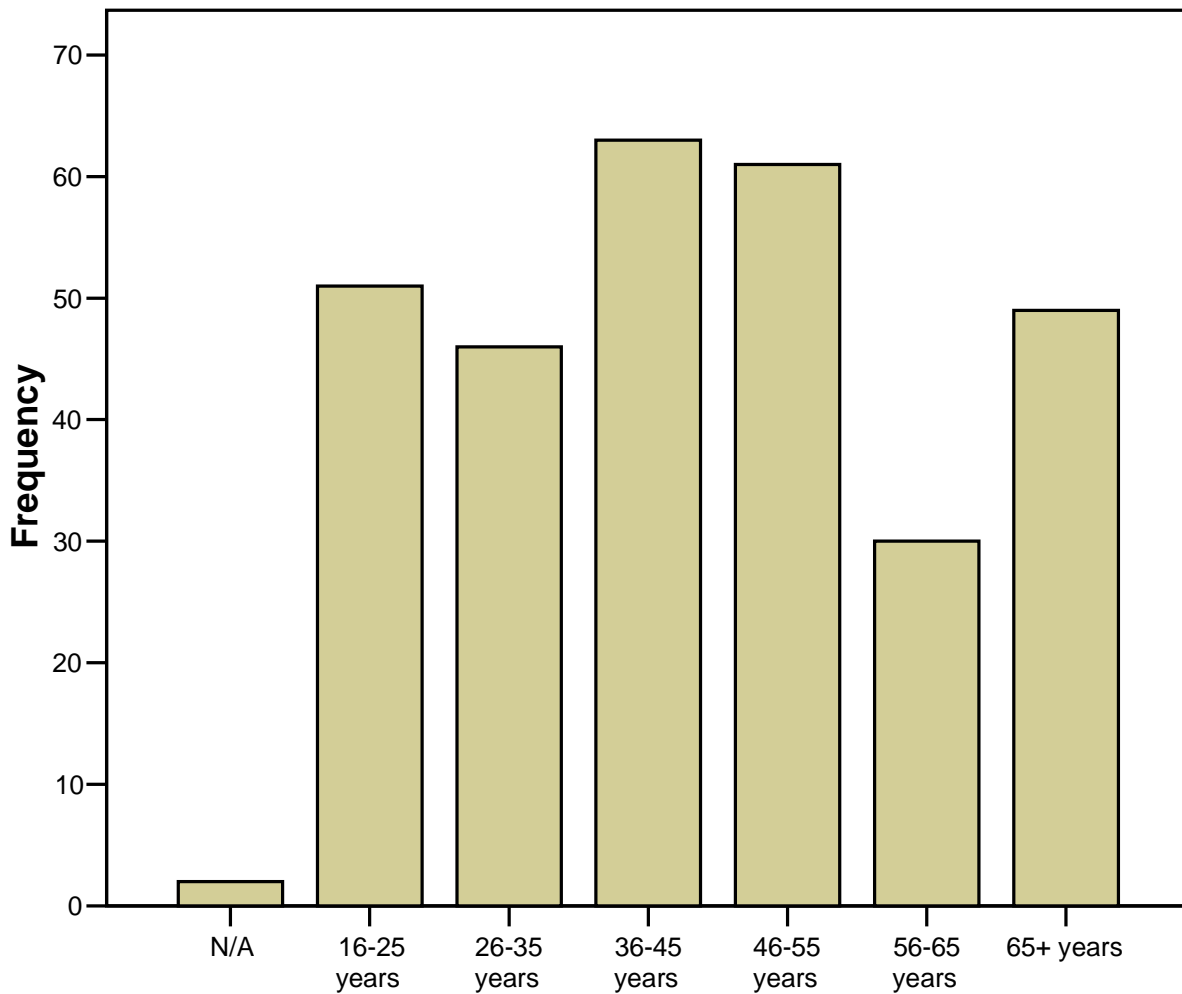
**Gender**



**Range of age**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	N/A	2	.7	.7	.7
	16-25 years	51	16.9	16.9	17.5
	26-35 years	46	15.2	15.2	32.8
	36-45 years	63	20.9	20.9	53.6
	46-55 years	61	20.2	20.2	73.8
	56-65 years	30	9.9	9.9	83.8
	65+ years	49	16.2	16.2	100.0
	Total	302	100.0	100.0	

**Range of age**

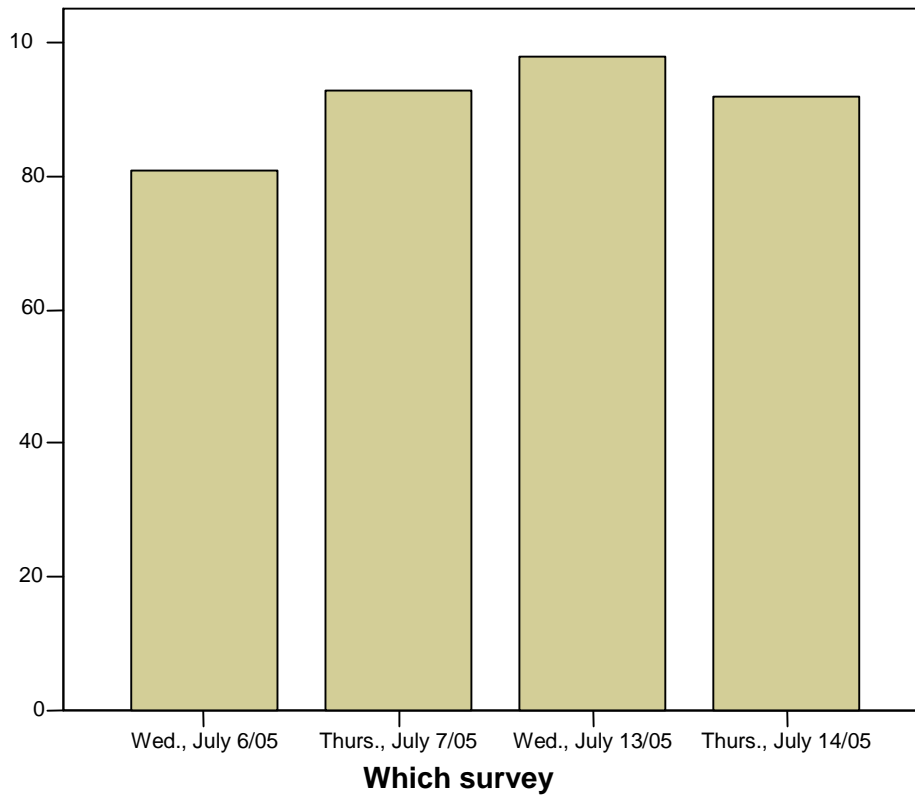


## 5.0 TRAFFIC SURVEY RESULTS

Which survey day?

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Wed., July 6/05	81	22.3	22.3	22.3
	Thurs., July 7/05	93	25.5	25.5	47.8
	Wed., July 13/05	98	26.9	26.9	74.7
	Thurs., July 14/05	92	25.3	25.3	100.0
	Total	364	100.0	100.0	

Which survey

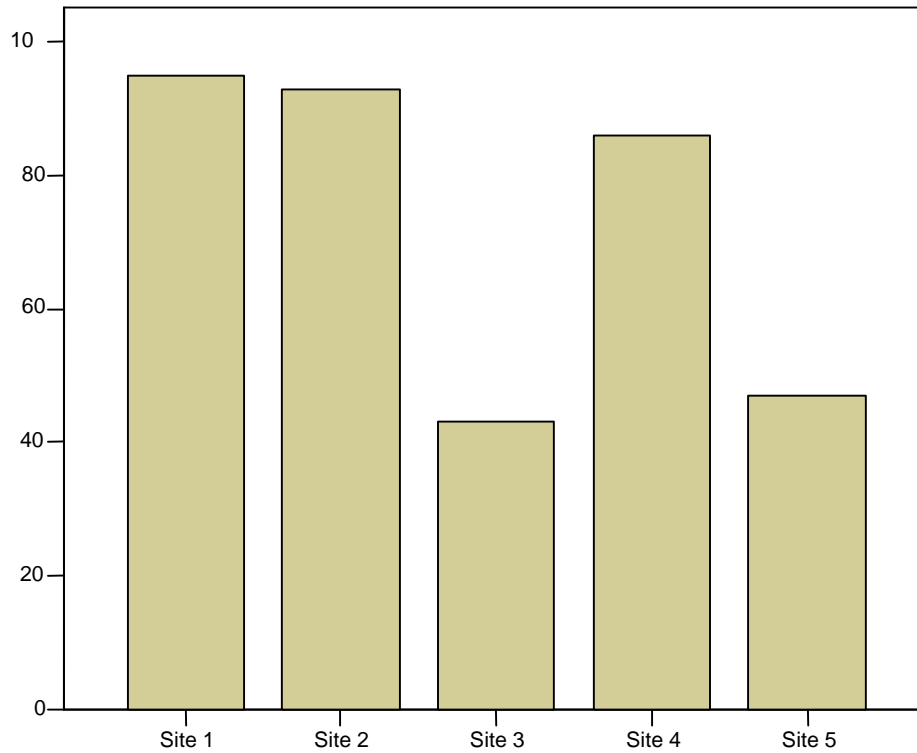




**What day and survey site?**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Site 1	95	26.1	26.1	26.1
	Site 2	93	25.5	25.5	51.6
	Site 3	43	11.8	11.8	63.5
	Site 4	86	23.6	23.6	87.1
	Site 5	47	12.9	12.9	100.0
	Total		364	100.0	100.0

**What day and survey**



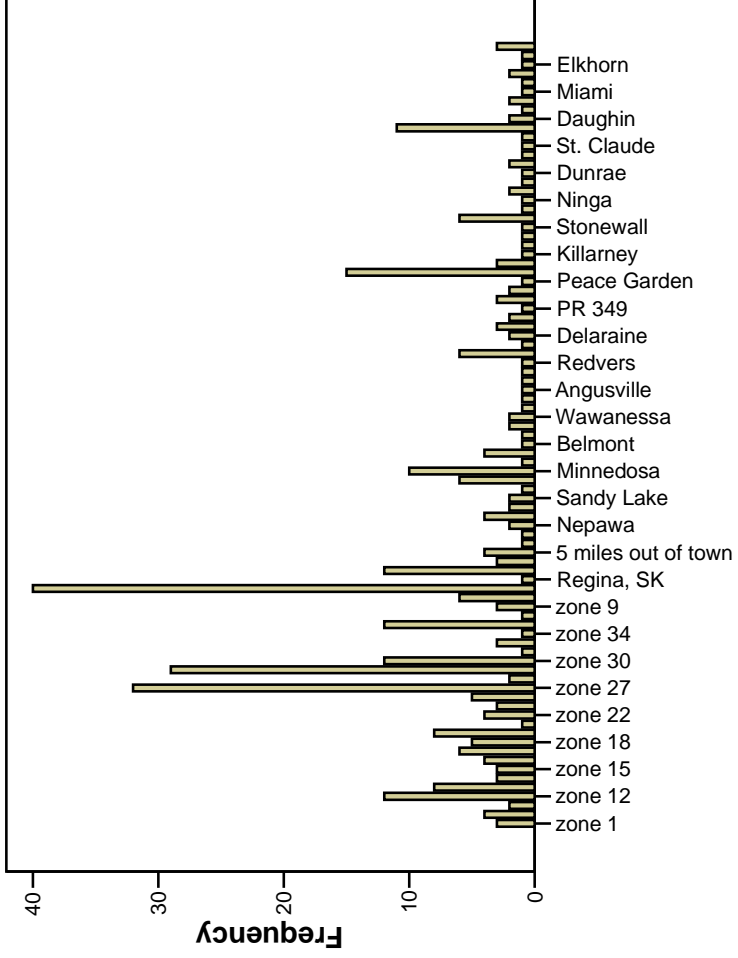
**What day and survey**

**Where are you coming from today?**

	Frequency	Percent	Valid Percent	Cumulative Percent
Valid zone 1	3	.8	.8	.8
zone 10	4	1.1	1.1	1.9
zone 11	2	.5	.5	2.5
zone 12	12	3.3	3.3	5.8
zone 13	8	2.2	2.2	8.0
zone 14	3	.8	.8	8.8
zone 15	3	.8	.8	9.6
zone 16	4	1.1	1.1	10.7
zone 17	6	1.6	1.6	12.4
zone 18	5	1.4	1.4	13.7
zone 2	8	2.2	2.2	15.9
zone 21	1	.3	.3	16.2
zone 22	4	1.1	1.1	17.3
zone 25	3	.8	.8	18.1
zone 26	5	1.4	1.4	19.5
zone 27	32	8.8	8.8	28.3
zone 29	2	.5	.5	28.8
zone 3	29	8.0	8.0	36.8
zone 30	12	3.3	3.3	40.1
zone 31	1	.3	.3	40.4
zone 32	3	.8	.8	41.2
zone 34	1	.3	.3	41.5
zone 4	12	3.3	3.3	44.8
zone 8	1	.3	.3	45.1
zone 9	3	.8	.8	45.9
Boissevain	6	1.6	1.6	47.5
Brandon	40	11.0	11.0	58.5
Regina, SK	1	.3	.3	58.8
Shilo	12	3.3	3.3	62.1
Oak Lake	3	.8	.8	62.9
5 miles out of town	4	1.1	1.1	64.0
Edmonton, AB	1	.3	.3	64.3
Dryden	1	.3	.3	64.6
Nepawa	2	.5	.5	65.1
Glen Boro	4	1.1	1.1	66.2
Clear Lake	2	.5	.5	66.8
Sandy Lake	2	.5	.5	67.3
RM of Cornwallis (Boke)	1	.3	.3	67.6
Souris	6	1.6	1.6	69.2
Minnedosa	10	2.7	2.7	72.0
Texas (States)	1	.3	.3	72.3
Virden	4	1.1	1.1	73.4
Belmont	1	.3	.3	73.6

The Pas	1	.3	.3	73.9
Sidney	2	.5	.5	74.5
Wawanessa	2	.5	.5	75.0
Alameda	1	.3	.3	75.3
Russell	1	.3	.3	75.5
Angusville	1	.3	.3	75.8
Vincegarth	1	.3	.3	76.1
Arcda, SK	1	.3	.3	76.4
Redvers	1	.3	.3	76.6
Rivers	6	1.6	1.6	78.3
Nesbitt	1	.3	.3	78.6
Delaraine	2	.5	.5	79.1
Ninette	3	.8	.8	79.9
Cerroll	2	.5	.5	80.5
PR 349	1	.3	.3	80.8
Portage La Prairie	3	.8	.8	81.6
Swan River	2	.5	.5	82.1
Peace Garden	1	.3	.3	82.4
Winnipeg	15	4.1	4.1	86.5
Alexander	3	.8	.8	87.4
Killarney	1	.3	.3	87.6
Pearson	1	.3	.3	87.9
Calgary, AB	1	.3	.3	88.2
Stonewall	1	.3	.3	88.5
15 miles out of town	6	1.6	1.6	90.1
Rosemary Lake	1	.3	.3	90.4
Ninga	1	.3	.3	90.7
Birtle	2	.5	.5	91.2
Notre Dame	1	.3	.3	91.5
Dunrae	1	.3	.3	91.8
Minto	2	.5	.5	92.3
Trehene	1	.3	.3	92.6
St. Claude	1	.3	.3	92.9
Hodgeville	1	.3	.3	93.1
Carberry	11	3.0	3.0	96.2
Daughin	2	.5	.5	96.7
Gladstone	1	.3	.3	97.0
Douglas	2	.5	.5	97.5
Miami	1	.3	.3	97.8
Wapella, SK	1	.3	.3	98.1
Rapid City	2	.5	.5	98.6
Elkhorn	1	.3	.3	98.9
Cromer	1	.3	.3	99.2
Forrest	3	.8	.8	100.0
Total	364	100.0	100.0	

### Where are you coming from today?



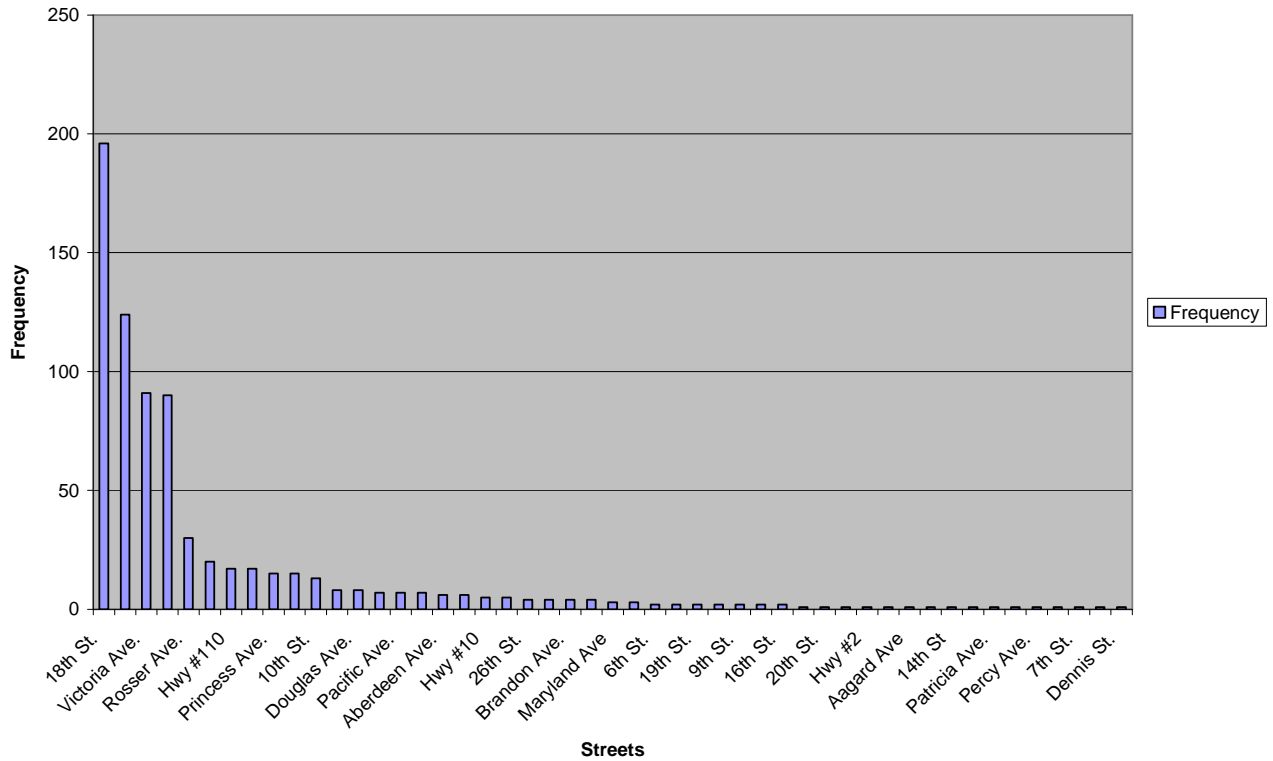
### Where are you coming from today?

## What streets were taken?

Street	Frequency	Percent	Valid	Cumulative Percent
18th St.	196	26.52232747	26.52232747	26.52232747
1st St.	124	16.77943166	16.77943166	43.30175913
Victoria Ave.	91	12.31393775	12.31393775	55.61569689
Richmond Ave.	90	12.17861976	12.17861976	67.79431664
Rosser Ave.	30	4.059539919	4.059539919	71.85385656
Park Ave.	20	2.706359946	2.706359946	74.56021651
Hwy #110	17	2.300405954	2.300405954	76.86062246
34th St.	17	2.300405954	2.300405954	79.16102842
Princess Ave.	15	2.029769959	2.029769959	81.19079838
Hwy #1	15	2.029769959	2.029769959	83.22056834
10th St.	13	1.759133965	1.759133965	84.9797023
17th St.	8	1.082543978	1.082543978	86.06224628
Douglas Ave.	8	1.082543978	1.082543978	87.14479026
13th St.	7	0.947225981	0.947225981	88.09201624
Pacific Ave.	7	0.947225981	0.947225981	89.03924222
Kirkaldy Ave.	7	0.947225981	0.947225981	89.9864682
Aberdeen Ave.	6	0.811907984	0.811907984	90.79837618
Braecrest Dr.	6	0.811907984	0.811907984	91.61028417
Hwy #10	5	0.676589986	0.676589986	92.28687415
Eastern Access	5	0.676589986	0.676589986	92.96346414
26th St.	4	0.541271989	0.541271989	93.50473613
Queens Ave.	4	0.541271989	0.541271989	94.04600812
Brandon Ave.	4	0.541271989	0.541271989	94.58728011
Van Horne Ave.	4	0.541271989	0.541271989	95.1285521
Maryland Ave	3	0.405953992	0.405953992	95.53450609
8th St.	3	0.405953992	0.405953992	95.94046008
6th St.	2	0.270635995	0.270635995	96.21109608
Cardinal Bay	2	0.270635995	0.270635995	96.48173207
19th St.	2	0.270635995	0.270635995	96.75236806
Grand Valley Rd.	2	0.270635995	0.270635995	97.02300406
9th St.	2	0.270635995	0.270635995	97.29364005
23rd St.	2	0.270635995	0.270635995	97.56427605
16th St.	2	0.270635995	0.270635995	97.83491204
Ottawa Ave.	1	0.135317997	0.135317997	97.97023004
20th St.	1	0.135317997	0.135317997	98.10554804
College Ave.	1	0.135317997	0.135317997	98.24086604
Hwy #2	1	0.135317997	0.135317997	98.37618403
Garwood Ave	1	0.135317997	0.135317997	98.51150203
Aagard Ave	1	0.135317997	0.135317997	98.64682003

4th St.	1	0.135317997	0.135317997	98.78213802
14th St	1	0.135317997	0.135317997	98.91745602
McTavish Ave.	1	0.135317997	0.135317997	99.05277402
Patricia Ave.	1	0.135317997	0.135317997	99.18809202
12th St.	1	0.135317997	0.135317997	99.32341001
Percy Ave.	1	0.135317997	0.135317997	99.45872801
Middleton Ave.	1	0.135317997	0.135317997	99.59404601
7th St.	1	0.135317997	0.135317997	99.72936401
27th St.	1	0.135317997	0.135317997	99.864682
Dennis St.	1	0.135317997	0.135317997	100
<b>Total</b>	<b>739</b>	<b>100</b>	<b>100</b>	

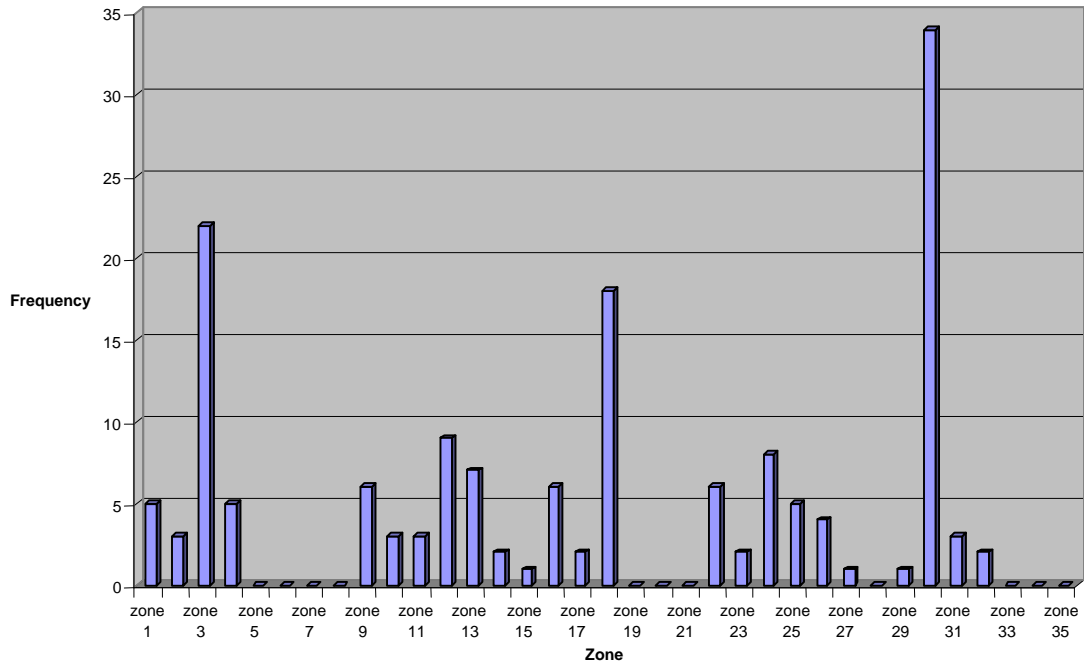
What streets were taken?



## What stops were made?

Zone	Frequency	Percent	Valid Percent	Cumulative Percent
zone 1	5	3.164556962	3.164556962	3.164556962
zone 2	3	1.898734177	1.898734177	5.063291139
zone 3	22	13.92405063	13.92405063	18.98734177
zone 4	5	3.164556962	3.164556962	22.15189873
zone 5	0	0	0	22.15189873
zone 6	0	0	0	22.15189873
zone 7	0	0	0	22.15189873
zone 8	0	0	0	22.15189873
zone 9	6	3.797468354	3.797468354	25.94936709
zone 10	3	1.898734177	1.898734177	27.84810127
zone 11	3	1.898734177	1.898734177	29.74683544
zone 12	9	5.696202532	5.696202532	35.44303797
zone 13	7	4.430379747	4.430379747	39.87341772
zone 14	2	1.265822785	1.265822785	41.13924051
zone 15	1	0.632911392	0.632911392	41.7721519
zone 16	6	3.797468354	3.797468354	45.56962025
zone 17	2	1.265822785	1.265822785	46.83544304
zone 18	18	11.39240506	11.39240506	58.2278481
zone 19	0	0	0	58.2278481
zone 20	0	0	0	58.2278481
zone 21	0	0	0	58.2278481
zone 22	6	3.797468354	3.797468354	62.02531646
zone 23	2	1.265822785	1.265822785	63.29113924
zone 24	8	5.063291139	5.063291139	68.35443038
zone 25	5	3.164556962	3.164556962	71.51898734
zone 26	4	2.53164557	2.53164557	74.05063291
zone 27	1	0.632911392	0.632911392	74.6835443
zone 28	0	0	0	74.6835443
zone 29	1	0.632911392	0.632911392	75.3164557
zone 30	34	21.51898734	21.51898734	96.83544304
zone 31	3	1.898734177	1.898734177	98.73417722
zone 32	2	1.265822785	1.265822785	100
zone 33	0	0	0	100
zone 34	0	0	0	100
zone 35	0	0	0	100
<b>Total</b>	<b>158</b>	<b>100</b>	<b>100</b>	

What stops were made?





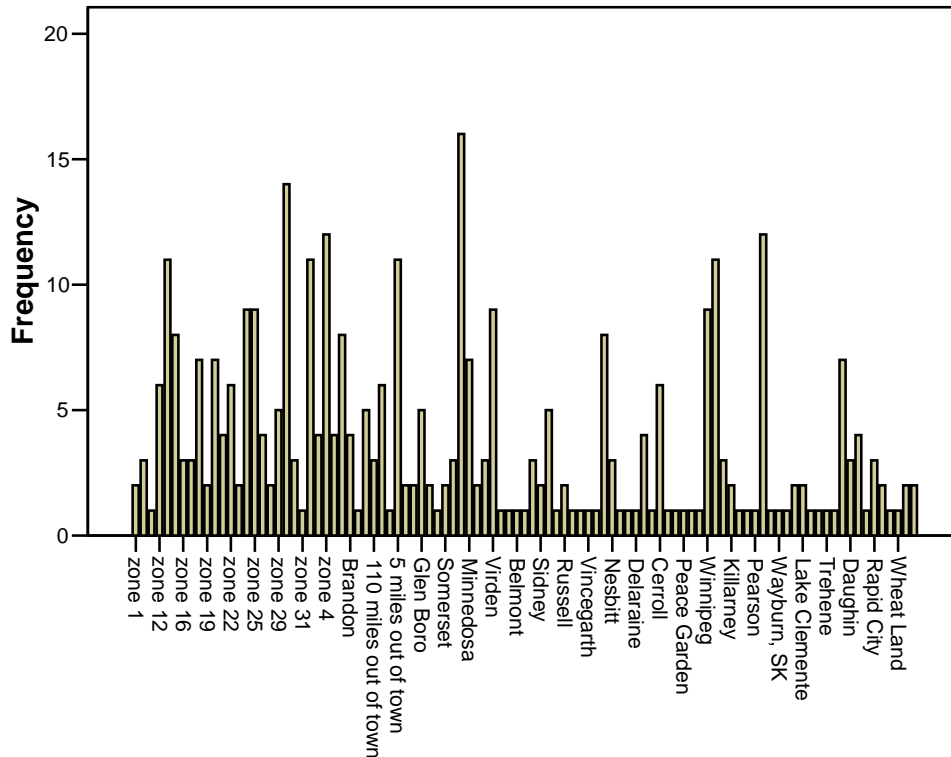
**What is your final destination?**

	Frequency	Percent	Valid Percent	Cumulative Percent
valid zone 1	2	.5	.5	.5
zone 10	3	.8	.8	1.4
zone 11	1	.3	.3	1.6
zone 12	6	1.6	1.6	3.3
zone 13	11	3.0	3.0	6.3
zone 15	8	2.2	2.2	8.5
zone 16	3	.8	.8	9.3
zone 17	3	.8	.8	10.2
zone 18	7	1.9	1.9	12.1
zone 19	2	.5	.5	12.6
zone 2	7	1.9	1.9	14.6
zone 21	4	1.1	1.1	15.7
zone 22	6	1.6	1.6	17.3
zone 23	2	.5	.5	17.9
zone 24	9	2.5	2.5	20.3
zone 25	9	2.5	2.5	22.8
zone 26	4	1.1	1.1	23.9
zone 27	2	.5	.5	24.5
zone 29	5	1.4	1.4	25.8
zone 3	14	3.8	3.8	29.7
zone 30	3	.8	.8	30.5
zone 31	1	.3	.3	30.8
zone 32	11	3.0	3.0	33.8
zone 33	4	1.1	1.1	34.9
zone 4	12	3.3	3.3	38.2
zone 9	4	1.1	1.1	39.3
Boissevain	8	2.2	2.2	41.5
Brandon	4	1.1	1.1	42.6
Bradwardine	1	.3	.3	42.9
Shilo	5	1.4	1.4	44.2
110 miles out of town	3	.8	.8	45.1
Oak Lake	6	1.6	1.6	46.7
Whitebear, SK	1	.3	.3	47.0
5 miles out of town	11	3.0	3.0	50.0
Edmonton, AB	2	.5	.5	50.5
Nepawa	2	.5	.5	51.1
Glen Boro	5	1.4	1.4	52.5
Clear Lake	2	.5	.5	53.0
Vancouver, BC	1	.3	.3	53.3
Somerset	2	.5	.5	53.8
Moose Jaw, SK	3	.8	.8	54.7
Souris	16	4.4	4.4	59.1
Minnedosa	7	1.9	1.9	61.0

Sioux Valley	2	.5	.5	61.5
Deleau	3	.8	.8	62.4
Virden	9	2.5	2.5	64.8
Fox Warren	1	.3	.3	65.1
Saskatoon, SK	1	.3	.3	65.4
Belmont	1	.3	.3	65.7
The Pas	1	.3	.3	65.9
Kemnay	3	.8	.8	66.8
Sidney	2	.5	.5	67.3
Wawanesa	5	1.4	1.4	68.7
Maryfield, SK	1	.3	.3	69.0
Russell	2	.5	.5	69.5
Beresford	1	.3	.3	69.8
Angusville	1	.3	.3	70.1
Vincegarth	1	.3	.3	70.3
Redvers	1	.3	.3	70.6
Rivers	8	2.2	2.2	72.8
Nesbitt	3	.8	.8	73.6
Elgin	1	.3	.3	73.9
Selkirk	1	.3	.3	74.2
Delaraine	1	.3	.3	74.5
Ninette	4	1.1	1.1	75.5
Hamiota	1	.3	.3	75.8
Cerroll	6	1.6	1.6	77.5
PR 349	1	.3	.3	77.7
Portage La Prairie	1	.3	.3	78.0
Peace Garden	1	.3	.3	78.3
Camperville	1	.3	.3	78.6
Lake Mitgoshi	1	.3	.3	78.8
Winnipeg	9	2.5	2.5	81.3
Alexander	11	3.0	3.0	84.3
Brandon Hills	3	.8	.8	85.2
Killarney	2	.5	.5	85.7
Winkler	1	.3	.3	86.0
Noble Lake	1	.3	.3	86.3
Pearson	1	.3	.3	86.5
15 miles out of town	12	3.3	3.3	89.8
Rosemary Lake	1	.3	.3	90.1
Wayburn, SK	1	.3	.3	90.4
Ninga	1	.3	.3	90.7
Birtle	2	.5	.5	91.2
Lake Clemente	2	.5	.5	91.8
Notre Dame	1	.3	.3	92.0
Dunrae	1	.3	.3	92.3
Trehene	1	.3	.3	92.6
St. Claude	1	.3	.3	92.9
Carberry	7	1.9	1.9	94.8

Daughin	3	.8	.8	95.6
Douglas	4	1.1	1.1	96.7
Miami	1	.3	.3	97.0
Rapid City	3	.8	.8	97.8
Elkhorn	2	.5	.5	98.4
RM of Glenwood	1	.3	.3	98.6
Wheat Land	1	.3	.3	98.9
Cromer	2	.5	.5	99.5
Forrest	2	.5	.5	100.0
Total	364	100.0	100.0	

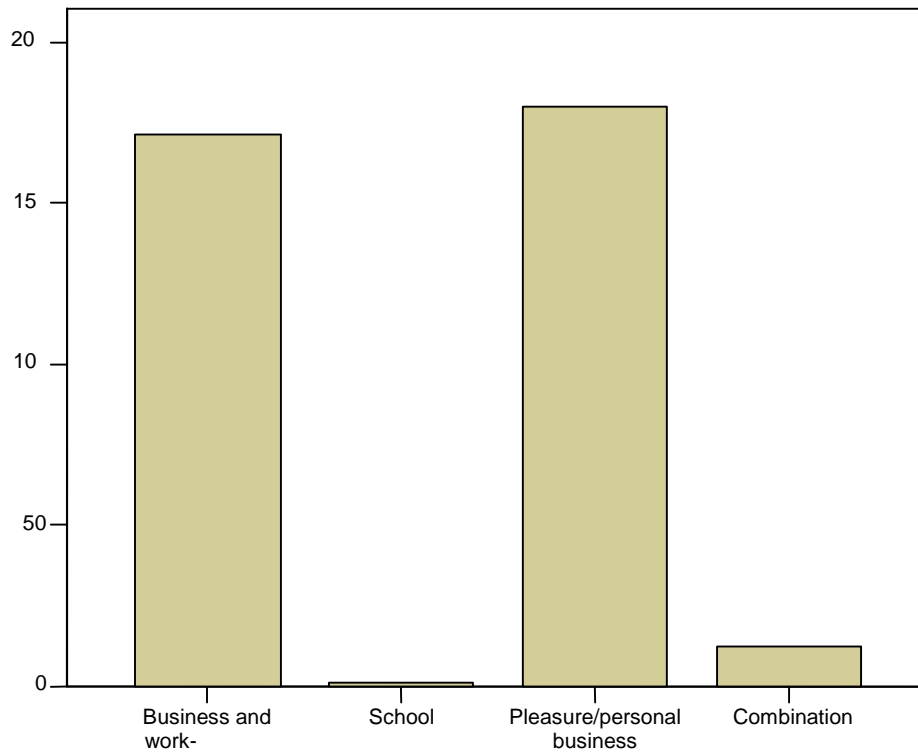
**What is your final destination?**



**What is your final destination?**

**What is the purpose of your trip?**

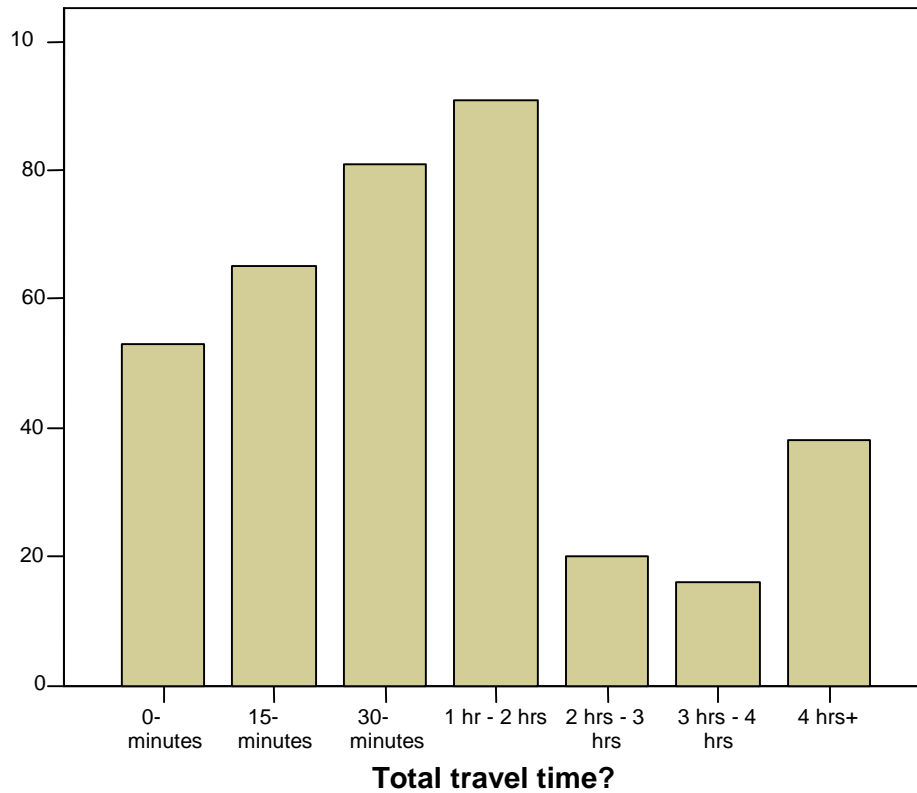
		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Business and work-related	171	47.0	47.0	47.0
	School	1	.3	.3	47.3
	Pleasure/personal business	180	49.5	49.5	96.7
	Combination	12	3.3	3.3	100.0
	Total	364	100.0	100.0	



**What is the purpose of your trip?**

**Total travel time?**

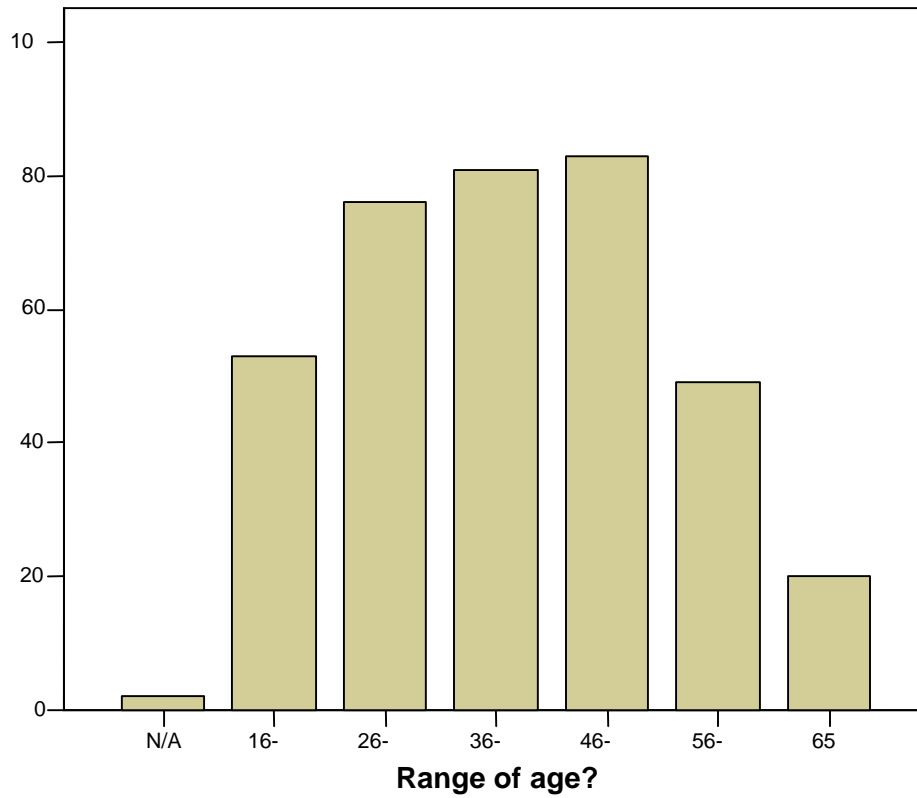
		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	0-14 minutes	53	14.6	14.6	14.6
	15-29 minutes	65	17.9	17.9	32.4
	30-59 minutes	81	22.3	22.3	54.7
	1 hr - 2 hrs	91	25.0	25.0	79.7
	2 hrs - 3 hrs	20	5.5	5.5	85.2
	3 hrs - 4 hrs	16	4.4	4.4	89.6
	4 hrs+	38	10.4	10.4	100.0
	Total	364	100.0	100.0	



**Range of age?**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	N/A	2	.5	.5	.5
	16-25	53	14.6	14.6	15.1
	26-35	76	20.9	20.9	36.0
	36-45	81	22.3	22.3	58.2
	46-55	83	22.8	22.8	81.0
	56-65	49	13.5	13.5	94.5
	65+	20	5.5	5.5	100.0
	Total	364	100.0	100.0	

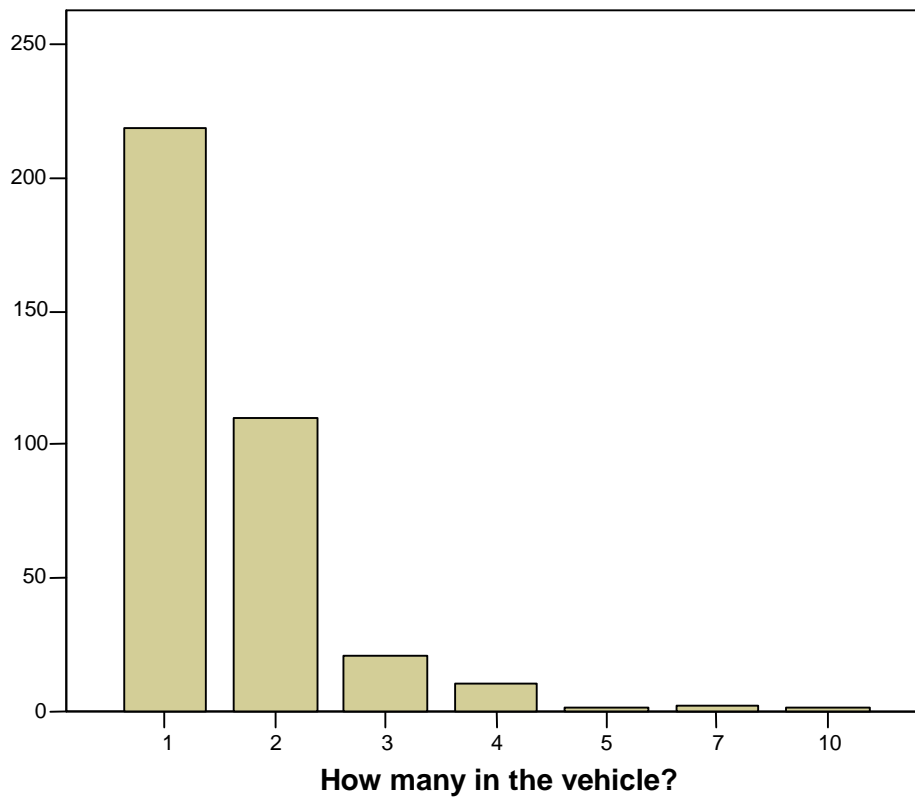
**Range of age?**



**How many in the vehicle?**

	Frequency	Percent	Valid Percent	Cumulative Percent
Valid 1	219	60.2	60.2	60.2
2	110	30.2	30.2	90.4
3	21	5.8	5.8	96.2
4	10	2.7	2.7	98.9
5	1	.3	.3	99.2
7	2	.5	.5	99.7
10	1	.3	.3	100.0
Total	364	100.0	100.0	

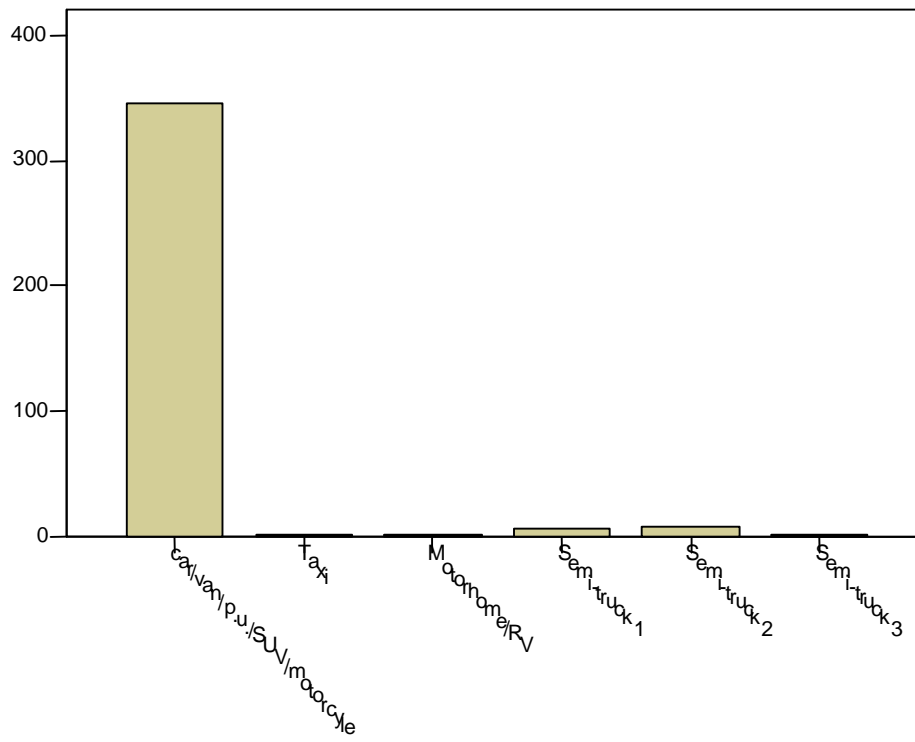
**How many in the vehicle?**



**Mode of transportation**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	car/van/p.u./SUV/motorcycle	346	95.1	95.1	95.1
	Taxi	2	.5	.5	95.6
	Motorhome/RV	2	.5	.5	96.2
	Semi-truck 1	6	1.6	1.6	97.8
	Semi-truck 2	7	1.9	1.9	99.7
	Semi-truck 3	1	.3	.3	100.0
	Total	364	100.0	100.0	

**Mode of transportation**



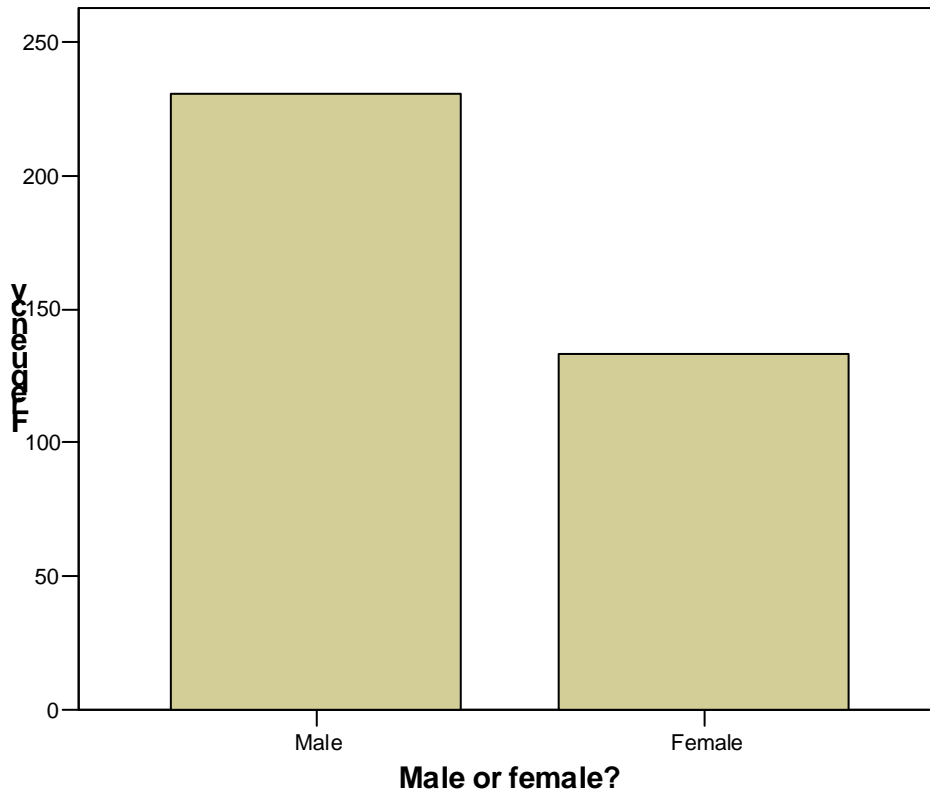
**Mode of transportation**



**Male or female?**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Male	231	63.5	63.5	63.5
	Female	133	36.5	36.5	100.0
	Total	364	100.0	100.0	

**Male or female?**



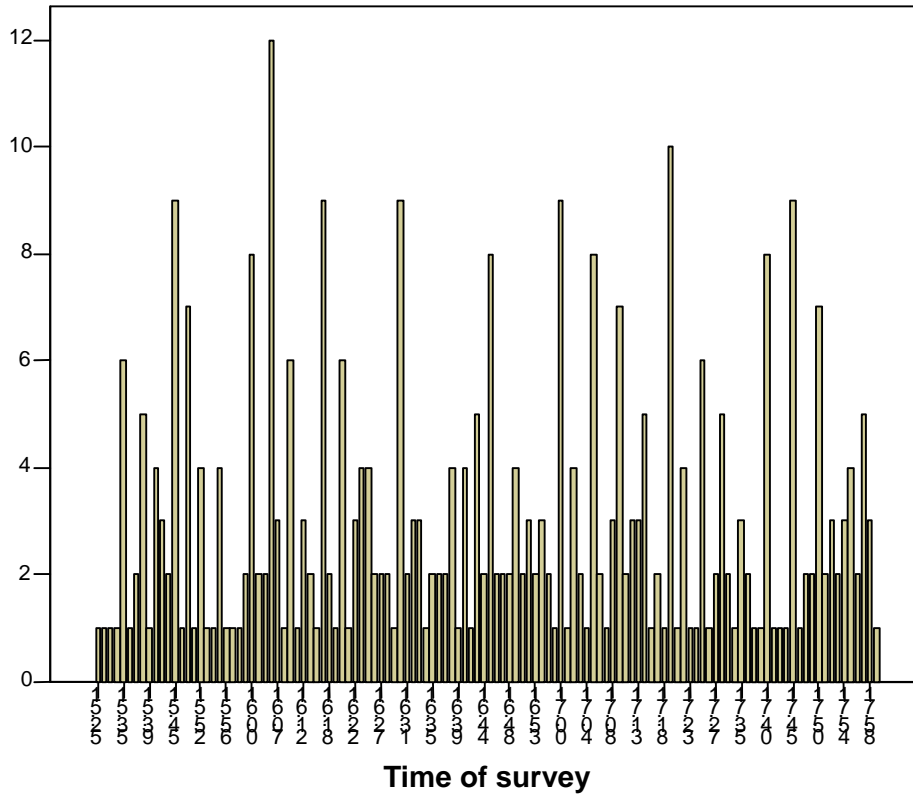
**Time of survey**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	15:25	1	.3	.3	.3
	15:30	1	.3	.3	.5
	15:31	1	.3	.3	.8
	15:34	1	.3	.3	1.1
	15:35	6	1.6	1.6	2.7
	15:36	1	.3	.3	3.0
	15:37	2	.5	.5	3.6
	15:38	5	1.4	1.4	4.9
	15:39	1	.3	.3	5.2
	15:40	4	1.1	1.1	6.3
	15:42	3	.8	.8	7.1
	15:43	2	.5	.5	7.7
	15:45	9	2.5	2.5	10.2
	15:48	1	.3	.3	10.4
	15:50	7	1.9	1.9	12.4
	15:51	1	.3	.3	12.6
	15:52	4	1.1	1.1	13.7
	15:53	1	.3	.3	14.0
	15:54	1	.3	.3	14.3
	15:55	4	1.1	1.1	15.4
	15:56	1	.3	.3	15.7
	15:57	1	.3	.3	15.9
	15:58	1	.3	.3	16.2
	15:59	2	.5	.5	16.8
	16:00	8	2.2	2.2	19.0
	16:02	2	.5	.5	19.5
	16:03	2	.5	.5	20.1
	16:05	12	3.3	3.3	23.4
	16:07	3	.8	.8	24.2
	16:09	1	.3	.3	24.5
	16:10	6	1.6	1.6	26.1
	16:11	1	.3	.3	26.4
	16:12	3	.8	.8	27.2
	16:13	2	.5	.5	27.7
	16:14	1	.3	.3	28.0
	16:15	9	2.5	2.5	30.5
	16:18	2	.5	.5	31.0
	16:19	1	.3	.3	31.3
	16:20	6	1.6	1.6	33.0
	16:21	1	.3	.3	33.2
	16:22	3	.8	.8	34.1
	16:24	4	1.1	1.1	35.2
	16:25	4	1.1	1.1	36.3

16:26	2	.5	.5	36.8
16:27	2	.5	.5	37.4
16:28	2	.5	.5	37.9
16:29	1	.3	.3	38.2
16:30	9	2.5	2.5	40.7
16:31	2	.5	.5	41.2
16:32	3	.8	.8	42.0
16:33	3	.8	.8	42.9
16:34	1	.3	.3	43.1
16:35	2	.5	.5	43.7
16:36	2	.5	.5	44.2
16:37	2	.5	.5	44.8
16:38	4	1.1	1.1	45.9
16:39	1	.3	.3	46.2
16:40	4	1.1	1.1	47.3
16:42	1	.3	.3	47.5
16:43	5	1.4	1.4	48.9
16:44	2	.5	.5	49.5
16:45	8	2.2	2.2	51.6
16:46	2	.5	.5	52.2
16:47	2	.5	.5	52.7
16:48	2	.5	.5	53.3
16:50	4	1.1	1.1	54.4
16:51	2	.5	.5	54.9
16:52	3	.8	.8	55.8
16:53	2	.5	.5	56.3
16:55	3	.8	.8	57.1
16:56	2	.5	.5	57.7
16:58	1	.3	.3	58.0
17:00	9	2.5	2.5	60.4
17:01	1	.3	.3	60.7
17:02	4	1.1	1.1	61.8
17:03	2	.5	.5	62.4
17:04	1	.3	.3	62.6
17:05	8	2.2	2.2	64.8
17:06	2	.5	.5	65.4
17:07	1	.3	.3	65.7
17:08	3	.8	.8	66.5
17:10	7	1.9	1.9	68.4
17:11	2	.5	.5	69.0
17:12	3	.8	.8	69.8
17:13	3	.8	.8	70.6
17:15	5	1.4	1.4	72.0
17:16	1	.3	.3	72.3
17:17	2	.5	.5	72.8
17:18	1	.3	.3	73.1
17:20	10	2.7	2.7	75.8

17:21	1	.3	.3	76.1
17:22	4	1.1	1.1	77.2
17:23	1	.3	.3	77.5
17:24	1	.3	.3	77.7
17:25	6	1.6	1.6	79.4
17:26	1	.3	.3	79.7
17:27	2	.5	.5	80.2
17:30	5	1.4	1.4	81.6
17:32	2	.5	.5	82.1
17:33	1	.3	.3	82.4
17:35	3	.8	.8	83.2
17:36	2	.5	.5	83.8
17:38	1	.3	.3	84.1
17:39	1	.3	.3	84.3
17:40	8	2.2	2.2	86.5
17:42	1	.3	.3	86.8
17:43	1	.3	.3	87.1
17:44	1	.3	.3	87.4
17:45	9	2.5	2.5	89.8
17:46	1	.3	.3	90.1
17:47	2	.5	.5	90.7
17:48	2	.5	.5	91.2
17:50	7	1.9	1.9	93.1
17:51	2	.5	.5	93.7
17:52	3	.8	.8	94.5
17:53	2	.5	.5	95.1
17:54	3	.8	.8	95.9
17:55	4	1.1	1.1	97.0
17:56	2	.5	.5	97.5
17:57	5	1.4	1.4	98.9
17:58	3	.8	.8	99.7
18:00	1	.3	.3	100.0
Total	364	100.0	100.0	

**Time of survey**



## **APPENDIX A:**

### **SAMPLE TELEPHONE SURVEY FORM**

## Brandon Home Telephone Survey

Phone Number: \_\_\_\_\_

Time of call: \_\_\_\_\_

**Introduction:** Hello! My name is \_\_\_\_\_ and I am doing a survey for the City of Brandon and Manitoba Transportation. I would like to ask you a few questions about recent trips you have taken to help both the City of Brandon and the Province with their transportation planning. It will take a few minutes of your time. Can I confirm that you are 16 years of age or over and that you made a trip yesterday between the hours of 3:30 p.m. and 6 p.m.?

[If yes, continue...]

[If no, ask if there is someone available in the household who is over 16 and made a trip yesterday between 3:30 p.m. and 6 p.m. Then begin again.]

[If asked, assure them you are selling nothing and repeat the line above about the City and Province.]

[If they state this is not a very convenient, ask them when would be and permission to call them back at that time.]

1. Please confirm that you make a trip yesterday between 3:30 p.m. and 6 p.m.?

[define trip as: more than one block from your home]

Was that one trip or more than one?

2. What mode of transportation did you take?

*[Do not read list.]*

- Car/Van/Pickup/Sport Utility/Motorcycle
- Taxi
- Handi-cab
- Motorhome/RV
- Walk
- Bike
- City Bus
- School Bus
- Other \_\_\_\_\_

3. Were you the driver or passenger?

4. How many people were in the car with you?

5. Where did you travel to and from? Please note each stop along your route.

*(Get locations with street and cross-street)*

6. How did you choose your route?

- Closest to where you are going?
- Closest to where you are leaving from?
- Shortest trip?
- Less traffic/line-ups?



- Always use this route?
- Other
- Don't know

7. Approximately how long did your travel time take? (*Total travel time. Does not include time spent at any of the stops during the trip – don't ask ranges, mark in the appropriate range*)

- 0 – 10 minutes
- 11 – 20 minutes
- 21 – 30 minutes
- 31 – 40 minutes
- 41 – 50 minutes
- 51 – 60 minutes
- 60 minutes +

8. What was the primary purpose of your trip?

- Business and Work Related
- School
- Pleasure/Personal Business
- Combination: \_\_\_\_\_

9. What street do you live on? And what is the cross-street? [*If possible we will simply ask them for their home postal code.*]

10. Male or female: (*don't ask, just observe*)

11. What is your age range:

16-25

26-35

36-45

46-55

56-65

65+

**A supervisor may phone you to confirm that you participated in this survey today.**

**Thank you for your time today. Have a nice day.**

May 16, 2005

## **APPENDIX B:**

# **SAMPLE TRAFFIC INTERCEPT SURVEY FORM**

## Brandon Traffic Intercept Survey

Hello! My name is \_\_\_\_\_ . We are doing a traffic survey for the City of Brandon and Manitoba Transportation to assist them with their roads and transportation planning. This will only take a minute or so and we appreciate your cooperation.

1. **How many people are in the vehicle?** [Observe... ask only if not readily apparent].

2. **What is the mode of transportation?**

*[Don't read. Just take note.]*

- Car/Van/Pickup/Sport Utility/Motorcycle
- Taxi
- Handi-cab
- Motorhome/RV
- City Bus
- School Bus
- Other \_\_\_\_\_

3. **Where are you coming from today?** [Get the village, R.M., town, etc.]

[If traveling from Brandon...]

**3 a) Where in Brandon are you coming from?** [Find out a landmark or street with cross-street]

**3 b) What route in Brandon did you take?** [to get from origin to current location]

**4. Where is your final destination today?**

[If traveling to Brandon...]

**4 a) Where in Brandon are you traveling to?** [Find out a landmark or street]

**4 b) What route in Brandon are you taking?**

[If the person does not say he/she is traveling to Brandon, ask:]

**b) Are you going to be stopping in Brandon? If so, where?**

**5. Why did you choose this route?**

- Closest to where you are going?
- Closest to where you are leaving from?
- Shortest trip?
- Less traffic/line-ups?
- Always use this route?
- Other
- Don't know

**6. What is the purpose of your trip?**

- Business and Work Related
- School
- Pleasure/Personal Business
- Combination: \_\_\_\_\_

**7. How long do you expect your travel time to be in total?**

[Define "total driving time" as all time spent in vehicle. It does not include time spent at any of the stops during the trip].

- 0 – 14 minutes
- 15 – 29 minutes
- 30 – 59 minutes
- 1 hour – 2 hours
- 2 hours – 3 hours

3 hours – 4 hours

4 hours +

8. **Male or female driver:** [don't ask, just observe]

9. **What is your age range?**

16-25

26-35

36-45

46-55

56-65

65+

10. **Time of survey:** [don't ask, just observe]

**Thank you for your time today. Have a nice day.**