University of Washington

2016 Transportation Survey
Final Report
February 2017

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University of Washington 2016 Transportation Study
Date: January 2017

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Executive Summary

Overview

The U-PASS program, implemented at the University of Washington (UW) during Fall Quarter 1991, was developed to provide a range of commute options for the university population with the goal of decreasing the number of vehicles that travel to and from the campus. The U-PASS program offers a wide variety of services.

The University of Washington has used a biennial survey to evaluate awareness of, use of, and satisfaction with the U-PASS program among university faculty, staff, and students. Findings from the survey are also used to develop mode-split estimates as well as to meet the university's reporting requirements under the Washington State Commute Trip Reduction (CTR) Law.

The 2016 survey was administered using both telephone and online methodologies. The research effort resulted in 1,640 completed interviews during the survey period: 604 students, 287 faculty members, and 749 staff.

Key Findings

Travel Behavior

On average, UW students, faculty, and staff work or attend classes on campus just over four days a week.

- As in previous years, faculty are on campus the least number of days.

Table 1: Number of Days Spent on Campus

Full Week					
	All	**Employees**	**Faculty**	**Staff**	**Students**
None	4%	4%	6%	3%	4%
One	3%	4%	6%	3%	3%
Two	6%	5%	5%	5%	6%
Three	9%	10%	13%	9%	9%
Four	15%	17%	9%	21%	14%
Five	54%	53%	46%	56%	55%
Six	5%	5%	10%	3%	5%
Seven	3%	2%	6%	1%	4%
Mean	4.29	4.23	4.16	4.26	4.33
Weekdays Only					
	All	**Employees**	**Faculty**	**Staff**	**Students**
None	4%	4%	6%	3%	4%
One	4%	4%	6%	3%	3%
Two	6%	5%	5%	6%	6%
Three	10%	11%	14%	9%	9%
Four	16%	18%	10%	22%	15%
Five	61%	58%	59%	57%	63%
Mean—2016	4.13	4.08	3.92	4.15	4.16
Mean—2015	4.28	4.30	4.11	4.39	4.27
Mean—2014	4.25	4.17	4.06	4.22	4.31
Mean—2012	4.21	4.11	4.02	4.16	4.28

Source: Respondent Data (Overall Weight) Base: All Respondents
Q9A Which of the following days did you work/attend classes at the UW main campus or in the U-District? ("0" removed from base)

Based on the number of days respondents travelled to campus, UW employees and students make at least 318,063 trips to campus in a typical week (Monday through Sunday).

- Students account for 61%, staff 27%, and faculty 12% of all trips taken to campus in a typical week.
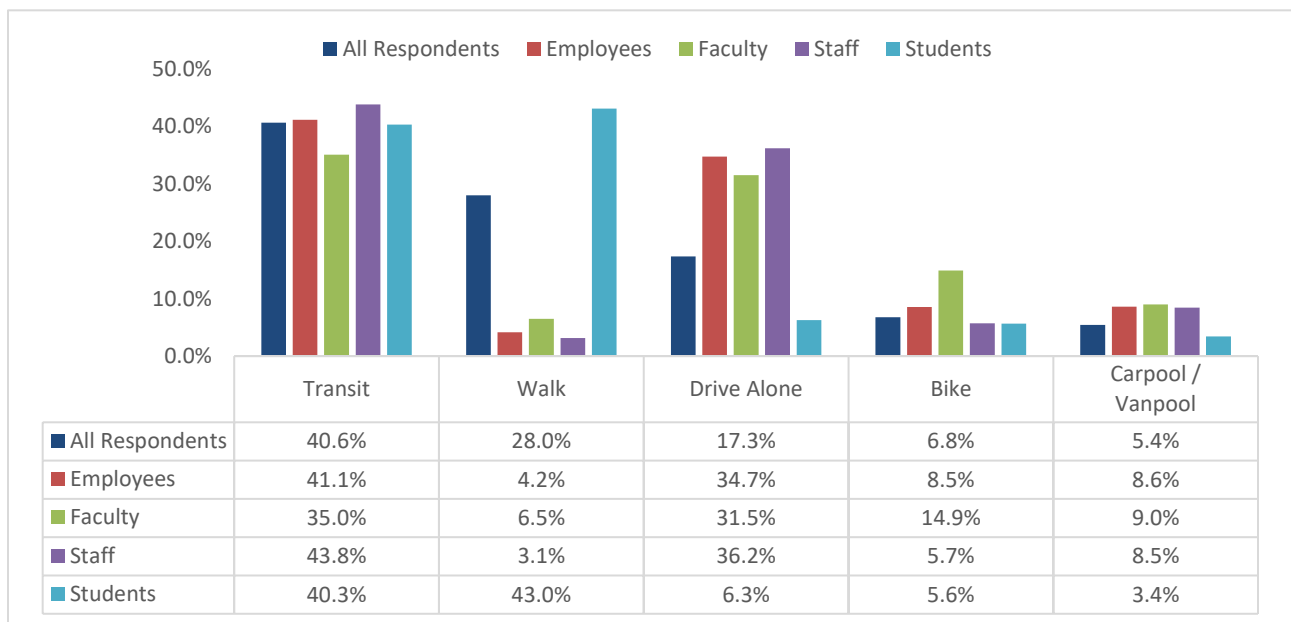
Nearly all (96%) trips are made during the week (Monday through Friday).

More than twice as many weekday trips (Monday through Friday) to campus are transit trips than drive alone vehicle trips.

- Transit trips are the most common weekday commute mode among all respondents.
- Two-in-five trips made by students are walking trips. This is about the same as the percent of students who live within a mile of campus.

Mode Share

Figure 1: Mode Share of Trips Taken to Campus Monday through Friday

	Transit	Walk	Drive Alone	Bike	Carpool / Vanpool
All Respondents	40.6%	28.0%	17.3%	6.8%	5.4%
Employees	41.1%	4.2%	34.7%	8.5%	8.6%
Faculty	35.0%	6.5%	31.5%	14.9%	9.0%
Staff	43.8%	3.1%	36.2%	5.7%	8.5%
Students	40.3%	43.0%	6.3%	5.6%	3.4%

Source: Trip Data File—Trips take Monday through Friday Base: All selected respondents (OverallWt) EXCLUDES TELECOMMUTERS
Percentages are based on total weekday trips to campus and in those instances where multiple modes were reported for a single trip (in the case of linked trips) reflect the mode used for the longest portion of the trip.

There has been a significant shift in the commute habits of Faculty away from driving alone and toward transit.

Table 2: Percent of Transit and Drive-Alone Trips 2002—2016

		2002	2004	2006	2008	2010	2012	2014	2015	2016
Transit	**Faculty**	24%	13%	27%	23%	25%	25%	27%	24%	35%
	Staff	36%	28%	37%	45%	44%	43%	43%	40%	44%
	Students	39%	31%	42%	39%	43%	46%	42%	38%	40%
Drive Alone	**Faculty**	43%	45%	44%	47%	44%	43%	45%	45%	32%
	Staff	38%	31%	39%	34%	33%	33%	32%	36%	36%
	Students	16%	14%	13%	12%	10%	7%	7%	9%	6%

2012-2016 Source: Trip Data File—Trips taken Monday through Friday (OverallWt)
Percentages are based on total weekday trips to campus (Monday – Friday) and in those instances where multiple modes were reported for a single trip (in the case of linked trips) reflect the mode used for the longest portion of the trip.
Mode split numbers from 2002 to 2010 were pulled from previous reports. See Appendix II for reference information

Further Exploring the Big Changes in Faculty

Faculty took just over 3,000 fewer drive alone trips in 2016 when compared to 2014 (data not available for 2015). This represents a change of 13 percentage points—from 45 to 32 percent of weekday commute trips.

The largest shift was toward light rail. In 2014, faculty members took 39 weekday commute trips where light rail was the longest portion of their trip. In 2016, that number increased to 2,073 trips and now, light rail accounts for 5 percent of weekday commute trips (data not available for 2015).

Other increases were seen in use of King County Metro, bicycling, Community Transit, Sounder rail, and Washington State Ferries.

Table 3: Faculty Commute Trips 2014 vs. 2016

	Frequency		Percent of trips		Change in Percentage Points
	2014	**2016**	**2014**	**2016**	
Drive Alone	15,595	12,408	45%	32%	**-13%**
Carpool	2,888	3,240	8%	8%	0%
Vanpool	116	130	0%	0%	0%
Motorcycle/Moped/Scooter	116	32	0%	0%	0%
King County Metro Bus	7,778	9,525	22%	25%	**3%**
Sound Transit Bus	1,001	778	3%	2%	**-1%**
Community Transit	308	713	1%	2%	**1%**
Other Bus	0	65	0%	0%	0%
Link Light Rail	39	2,073	0%	5%	**5%**
Sounder Commuter Rail	39	227	0%	1%	**1%**
Washington State Ferries	154	259	0%	1%	**1%**
Bicycle	4,313	5,734	12%	15%	**3%**
Walk	2,272	2,559	7%	7%	0%
Health Sciences Express Shuttle	231	421	1%	1%	0%
Other	77	454	0%	1%	**1%**
Total	34,925	38,617			3,692

2014 and 2016 Source: Trip Data File—Trips taken Monday through Friday (ExpansionWt)
Base: Faculty
Percentages are based on total weekday trips to campus (Monday – Friday) and in those instances where multiple modes were reported for a single trip (in the case of linked trips) reflect the mode used for the longest portion of the trip.

Transit Access and Use

Three quarters of UW faculty, staff, and students have access to public transportation services that would get them from their home to the UW campus.

- Nearly half claim to have direct service from their home to the UW.
  - Direct service is defined as having no need to transfer or use a park-and-ride lot.
  - Faculty are the most likely group to have direct service to campus.

Table 4: Transit Availability

	Total	All Employees	Faculty	Staff	Student
No Service	4%	3%	2%	4%	5%
Direct service	44%	47%	59%(+)	41%	42%
Service with Transfer	21%	30%(+)	24%	33%(+)	14%(-)
Service via park-and-ride	12%	19%(+)	13%	22%(+)	7%(-)
Live on/near campus	20%	1%(-)	2%(-)	1%(-)	32%(+)

Source: Respondent Data (Overall Weight) Base: All Respondents
Q5B: Which of the following best describes the bus or rail service available from where you live to the UW?

Generally speaking, the transit service meets needs and expectations.

- Ratings of service are significantly higher for the number of transfers required, cost, and safety.
- Ratings are lowest regarding frequency of service, travel time, reliability, and the availability of seats.

Table 5: Transit Ratings

	Frequency of Service	Number of Transfers Required	Travel Time	Cost	Reliability (on-time)	Perception of Safety	Availability of Seats
Exceeds Needs and Expectations	10%(-)	27%(+)	11%(-)	23%(+)	10%(-)	19%(+)	12%(-)
Meets Needs and Expectations	69%(+)	57%(-)	60%(-)	69%(+)	65%	74%(+)	62%
Does Not Meet Needs and Expectations	22%(+)	16%(-)	29%(+)	8%(-)	25%(+)	7%(-)	25%(+)

Source: Respondent Data (Overall Weight) Base: All Respondents
Q5B: Which of the following best describes the bus or rail service available from where you live to the UW?

While the percent of respondents riding Metro in any given week has increased compared to 2012 and 2014, the average number of trips taken per week has decreased overall *(This question was not asked in 2015).*

- This is primarily due to a decrease in the number of trips taken by students.
- The number of trips taken by employees has increased—especially among faculty.

Table 6: Transit Use

	All Respondents			All Respondents			Those Who Have Ridden Metro in the Past 7 days		
	2012	**2014**	**2016**	**2012**	**2014**	**2016**	**2012**	**2014**	**2016**
All	70%	67%	73%	4.43	4.38	3.95	7.02	7.30	6.90
Employees	57%	58%	65%	3.09	3.19	3.38	6.51	6.69	7.12
Faculty	49%	50%	64%	2.26	2.56	3.01	5.33	6.17	6.43
Staff	61%	61%	66%	3.48	3.48	3.55	6.98	6.89	7.44
Students	78%	73%	78%	5.26	5.11	4.32	7.23	7.57	6.79

Q40 Thinking about all of your travel over the past 7 days, how many one-way trips did you take on each of the following transit systems?
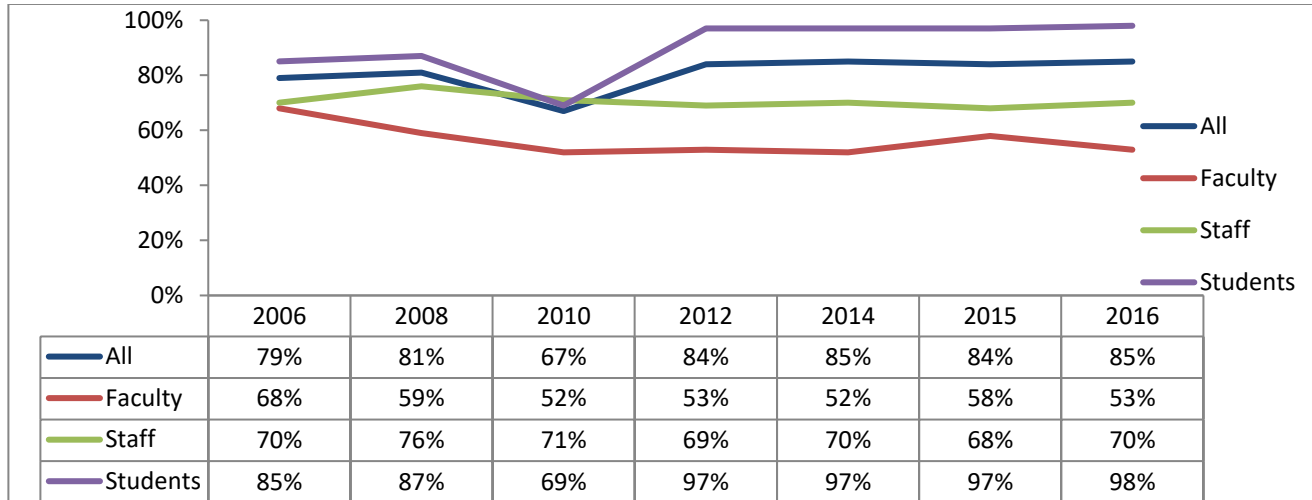*Source: Respondent Data Base: All Respondents (Overall Weight)*

U-PASS Access and Satisfaction

After dropping sharply in 2010, the percent of all respondents with a valid U-PASS rebounded in 2012 and has remained steady since.

- In 2010, the cost of the U-PASS increased, so use went down. In 2011, students made the U-PASS a universal benefit, so use among students increased.
- The increase in respondents with a U-PASS between 2012 and 2014 is entirely due to a greater percentage of faculty and staff who now have a valid U-PASS.
- Two-thirds of all employees (faculty and staff) have a valid U-PASS.

Figure 2: Percent of UW Students, Faculty, and Staff with a Valid U-PASS

	2006	2008	2010	2012	2014	2015	2016
All	79%	81%	67%	84%	85%	84%	85%
Faculty	68%	59%	52%	53%	52%	58%	53%
Staff	70%	76%	71%	69%	70%	68%	70%
Students	85%	87%	69%	97%	97%	97%	98%

Source: Respondent Data (Overall Weight) Base: All Respondents

More than nine out of ten U-PASS members are satisfied with the program. This holds true for faculty, staff, and students.

- After dropping sharply from 2008 to 2010, satisfaction with the U-PASS program increased in 2012 and remained relatively steady in 2014.
- Students are more likely to claim that they are very satisfied with the U-PASS program.

Table 7: Trends in Satisfaction with the U-PASS Program

	2006	**2008**	**2010**	**2012**	**2014**	**2015**	**2016**
Total Satisfied	95%	94%	85%	90%	93%	93%	93%
Very Satisfied	68%	67%	51%	63%	61%	71%	63%
Somewhat Satisfied	27%	28%	34%	27%	32%	22%	30%
Dissatisfied	5%	5%	15%	10%	7%	7%	7%

Source: Respondent Data (Overall Weight)
Base: Respondents with U-PASS
Q28 Overall, how satisfied are you with the U-PASS program?

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Background and Methodology

Study Background

The University of Washington (UW) represents a major destination for commuters (faculty, staff, and students). In 1991, the university launched the U-PASS program to provide a range of commute options for the university population with the goal of decreasing the number of vehicles that travel to and from the campus. The U-PASS program offers a wide variety of services including full bus fare on King County Metro Transit, Pierce Transit, Everett Transit, Kitsap Transit, Community Transit, and Sound Transit. It also covers full fare on the Sounder Commuter Train and the Link Light Rail. U-PASS members have free use of the NightRide Shuttle and they receive merchant discounts, discounted carpool parking, and subsidized vanpool fares. The U-PASS program provides university employees who are U-PASS members with an emergency ride home service. The University of Washington offers bicycle facilities and ridematch services for carpooling and vanpooling to the entire UW community whether or not they have a U-PASS.

Since 1991, UW and King County Metro have collaborated on a biennial study to evaluate awareness of, use of, and satisfaction with the U-PASS program among university students, staff, and faculty and to develop ridership factors for use in transit contracts. In 2014, UW conducted the study independently as the survey is no longer relied on for major factors in the university's transit contract and switched to an annual survey.

Findings from the survey are also used to meet the university's reporting requirements under the Washington State Commute Trip Reduction (CTR) Law.

Methodology

The study began in 1991 as a telephone survey. In 2002, an online survey component was added to the methodology. Sampled faculty, staff, and students were sent an e-mail invitation asking them to complete the survey online. Non-responders to the invitation were contacted by phone. The survey instrument has remained similar over the years, with minor changes to address changes to programs and services or new priorities.

The basic methodology was retained:

- The UW provided Northwest Research Group with a current sample of all UW faculty, staff, and students.
- Northwest Research Group drew a random sample from within each segment to achieve the desired number of completed surveys (assuming an overall response rate of 50%).
- All those sampled with an e-mail address were sent an e-mail from the UW inviting them to complete the survey online.
- Those with an e-mail address that did not respond were contacted by phone.
- Phone contacts were continued until the minimum response rate (50%) was achieved.
- All those without an e-mail address were contacted by telephone.
- A $5 coffee card was offered as an incentive for all respondents who participated online.

The survey instrument is similar to the one used in 2014. Several cuts were made for the 2015 survey. Most of the questions cut during 2015 were reintroduced in 2016. For this reason, there are several places where 2015 data are not available for trending.

The survey averaged 13.5 minutes and was slightly longer for those completing online (14 minutes) compared to those completing by telephone (13 minutes).

Extensive outreach was used to increase response rates including:
- Pre-notification and reminders emails were sent from sent from UW Transportation Services to students, faculty, and staff who were selected to take the survey.
- Mail notifications sent from UW Transportation Services to campus mail boxes of faculty and staff selected to take the survey.
- Incentives were offered to those who completed the survey online. This substantially raised the online response rate.

The UW provided a list of 67,765 faculty, staff, and students. Northwest Research Group drew a random sample within each group to achieve the required number of completed interviews.

Table 8: Sample Plan (2016)

	Total	Employees	Faculty	Staff	Students
Original Plan	1,625	1,025	325	700	600
Final Sample	1,640	1,036	287	749	604

To qualify, those contacted were required to meet the following criteria:

- Enrolled as a student for Fall Quarter 2016 or employed as faculty or staff.

- Working or attending classes on the UW campus or in a UW owned or leased building in the University District.

Data collection was completed between October 19 and December 11, 2016.

- Holiday schedules: Data collection is stopped during holidays as these time frames cause disruption in normal travel. Data collection was paused from November 11 through November 18 to account for Veteran's day, and again November 23 through December 5 for the Thanksgiving break. The link was still active during these time periods but no emails were sent and no phone calls were made.

An overall response rate of 48% was achieved—significantly higher than 2015 and 2014, returning to the 2012 response rate (49%).

- Eighty percent (80%) of all surveys were completed online—a significant increase from previous years.

Table 9: Response Rates Trended

	2012	2014	2015	2016
Total	49%	38%	38%	48%
Employees	53%	56%	39%	53%
Students	38%	42%	24%	44%
Faculty	63%	61%	48%	58%
Staff	42%	25%	37%	41%

Table 10: Sample Plan and Response Rates

	Total	Employees	Faculty	Staff	Students
Number in Sample Frame	67,765	26,642	6,660	19,982	41,123
Number of Sample Elements Selected	3,750	2,250	750	1,500	1,500
Total Disqualified*	349	311	96	215	38
Number of Qualified Respondents	3,401	1,939	654	1,285	1,462
Total Number of Completed Surveys	1,640	1,036	287	749	604
Online	1,310	867	243	624	443
Phone	330	169	44	125	161
Response Rate	48%	53%	44%	58%	41%
* Respondents disqualified or opted out via e-mail or phone because they were not currently enrolled as a student or employed as a faculty or staff member or they did not work or attend classes on the UW campus or in a UW owned or leased building in the University District.					

To ensure the ability to analyze results within the key subgroups (faculty, staff, and students) and to meet CTR requirements, faculty and staff were oversampled relative to their overall incidence in the UW population. Weighting was applied so that the total responses accurately reflect the UW population. Weights are calculated by dividing the population proportion for each group by the proportion of interviews for each group. The population numbers used for weighting were provided by the University of Washington after data collection had finished and thus differ from the population numbers provided for sampling.

Table 11: Weighting

	Population	Percent of Population	Completed Interviews	Percent of Completed Interviews	Weight
Total	74,365	100.00%	1,640	100.00%	
Students	45,182	60.76%	604	36.83%	1.649695457
Faculty	9,298	12.50%	287	17.50%	0.7144682118
Staff	19,885	26.74%	749	45.67%	0.5854894089

In addition, an expansion weight was computed in order to project some data (e.g., trip data) to the total population.

Table 12: Expansion Weight

	Completed Interviews	Weight	Population
Total	1,640	n.a.	74,365
Students	604	74.80463576	45,182
Faculty	287	32.3972125436	9,298
Staff	749	26.5487316422	19,885

Table 13: Final Sample Size

Group	Obtained	Weighted	Margin of Error* 95% Confidence Level
Total	1,640	1,640	2.32%
Students	604	996	3.93%
Faculty	287	205	5.74%
Staff	749	439	3.51%
Margin of error is computed based on obtained sample sizes.			

All work was completed according to ISO 20252—Market Research Standards. ISO 20252 establishes globally recognized terms, definitions, and service requirements for project management in research organizations. Processes outlined in ISO 20252 are designed to produce transparent, consistent, well-documented, and error-free methods for conducting and managing research projects.

Future Recommendations

A list of recommendations was compiled during the course of the project and is documented in this report for consideration during the next wave of the survey.

Sampling

The Human Resources classifications are used as opposed to self-reported data regarding their position as faculty, staff, or students. It is recommended that this approach be used in future studies.

Questionnaire Design—Distance of Final "Walking" Leg

Current and previous versions of the questionnaire asked respondents who drive and park how long it takes them to walk from where they parked to their destination. It is recommended that this question about walking time should also be asked of those who use transit to commute so we can understand how far people walk from the bus stop to their destination.

Questionnaire Design—Drivers and Transit – Where do They Park

Some people drive part way and then take transit for the longest part of the trip. It is recommended that we add a question to determine where these respondents park.

Analysis and Reporting Conventions

Data

Two types of data resulted from this research.

1. The first is the respondent data file, which includes responses to all questions for each respondent. Each respondent represents a line of data. When using this data, results are reported as the percentage of respondents who gave the response. For example, "nearly all faculty members have access to a vehicle and nearly half have a bicycle".

2. The second data file provides information on the commute trip to campus each respondent took for each day travelled in the past week. Each trip represents a line of data. When using this data, results are reported as the percentage of trips having a specific characteristic. For example, "less than half of the trips reported have an arrival time on campus between peak commute hours of 6:00 and 8:59 a.m.".

The footnote in each table identifies which type of data is being reported (designated as respondent data or trip data).

Reporting Conventions

The following notes describe the reporting conventions used in this report.

- The report is organized by major topic area. Tables and charts provide supporting data.

- Information about the overall results for each topic area is generally reported first, followed by relevant, statistically and practically significant differences between years and/or key subgroups. The probability level for determining statistical significance is less than .05 (unless otherwise noted). When testing for significant associations and/or differences between groups in the base, unweighted sample sizes should be used. When significant differences (assuming a 95 percent confidence level) were observed, they are noted in the written text of the report and bold-faced and notated in the accompanying tables.

- Except where noted, tables and charts provide information from respondents who offered a valid opinion to a question. "Don't know" and "Refused" are counted as missing values unless "Don't know" is a valid or meaningful response.

- In most charts and tables, unless otherwise noted, column percent is used. Percent is rounded to the nearest whole number. Some columns may sum to more or less than 100% due to rounding, the permissibility of multiple responses for specific questions, or based on presentation of abbreviated data.

- Comparisons with research from prior years are provided where appropriate.

- Statistical testing (at the 95% confidence level) was performed throughout the report and statistically significant differences are indicated by the use of colored arrows. A "minus" sign (-) indicates that the result is significantly less than other groups. A "plus" sign (+) indicates that the result is significantly greater than other groups.

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Respondent Characteristics

Demographics

Faculty:
- More likely to be male than female.
- Eight out of ten have access to a vehicle and nearly half have access to a bicycle

Staff:
- Significantly more likely to be female.
- Nearly all have access to a vehicle and one-quarter have access to a bicycle

Students:
- While the majority have a driver's license, less than half personally have a vehicle.
- One out of four students have a bicycle.
- Two out of five has neither a vehicle nor a bike.

Table 14: Respondent Characteristics

		Total	All Employees	Faculty	Staff	Students
Gender	**Male**	42%	42%	54%(+)	37%(-)	42%
	Female	58%	58%	46%(-)	63%(+)	58%
Age	**16 to 17**	1%	0%	0%	0%	1%
	18 to 24	42%	2%(-)	0%(-)	3%(-)	67%(+)
	25 to 34	25%	25%	31%(+)	22%	25%
	35 to 44	12%	24%(+)	25%(+)	23%(+)	5%(-)
	45 to 54	9%	23%(+)	17%(+)	25%(+)	1%(-)
	55 to 64	8%	20%(+)	18%(+)	21%(+)	0%(-)
	65 or older	2%	6%(+)	9%(+)	4%(+)	0%(-)
Valid Driver's License	**Yes**	88%	97%(+)	97%(+)	97%(+)	82%(-)

D1: What is your age? D2: Are you male or female? D3: Do you have a valid driver's license?
Source: Respondent Data   Base: All Respondents (Overall Weight)

		Total	All Employees	Faculty	Staff	Students
Available for Commute	**Car or truck**	62%	83%(+)	79%(+)	85%(+)	46%(-)
	Motorcycle	2%	3%	1%	3%(+)	2%
	Bicycle	28%	32%(+)	46%(+)	26%	25%(-)
	Nothing	27%	10%(-)	8%(-)	10%(-)	40%(+)

Q7: Do you personally have any of the following regularly available for your commute?
Source: Respondent Data   Base: Respondents who commute (Overall Weight)

Table 15: Availability of Commute Transportation Options (not asked in 2015)

Available for Commute									
	Vehicle			Bicycle			Nothing		
	2012	*2014*	*2016*	*2012*	*2014*	*2016*	*2012*	*2014*	*2016*
All Employees	90%	84%	86%	38%	31%	32%	6%	9%	10%
Faculty	92%	89%	80%	47%	36%	46%	3%	4%	8%
Staff	90%	82%	88%	33%	28%	26%	7%	12%	10%
Students	51%	44%	48%	30%	25%	25%	36%	43%	40%

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Date: January 2017

Residence

Proximity of Home to Campus

Nearly two-thirds of respondents live within 5 miles of campus.

- While three-quarters of students live off-campus, overall, they live close to campus with an average distance of just under 7 miles.
- Staff have the longest commute, averaging over 12 miles each-way.

Table 16: Student Housing Types

Student Living Situation	
UW housing, on campus	18%
UW housing, off campus	4%
A fraternity or sorority	5%
Non-UW housing	73%

Q4A: Do you live in. . .
Source: Respondent Data   Base: Students (Overall Weight)

Table 17: Distance from Home to Campus

	Total	All Employees	Faculty	Staff	Students
On Campus	11%	0%(-)	0%(-)	0%(-)	18%(+)
One mile or less	19%	3%(-)	4%(-)	2%(-)	29%(+)
1.01 up to 2 miles	9%	8%	14%(+)	5%(-)	10%
2.01 up to 5 miles	24%	34%(+)	44%(+)	29%(+)	18%(-)
5.01 up to 10 miles	11%	17%(+)	18%(+)	17%(+)	8%(-)
More than 10 miles	26%	38%(+)	20%(-)	46%(+)	18%(-)
	8.56	10.83(+)	7.05(-)	12.60(+)	6.76(-)

Q5: How many miles is it from where you live to the UW main campus?
Source: Respondent Data   Base: All Respondents (Overall Weight)

Overall, the median distance from campus has remained similar over the previous two years.

- However, there has been a migration of staff moving further away from campus.

Table 18: Change in Commute Trip Lengths 2012–2014

	All Respondents			Faculty			Staff			Students		
	2014	**2015**	**2016**	**2014**	**2015**	**2016**	**2014**	**2015**	**2016**	**2014**	**2015**	**2016**
1 mile or less	28%	28%	30%	4%	7%	4%	3%	4%	2%	43%	43%	47%
1.01–5.0 miles	36%	35%	33%	53%	52%	59%	40%	39%	35%	31%	31%	28%
5.01–10.0 miles	12%	14%	11%	18%	19%	18%	19%	20%	17%	8%	10%	8%
> 10 miles	24%	23%	26%	26%	22%	20%	39%	37%	46%	18%	17%	18%
Median	4.0	3.5	4.0	5.0	4.5	4.0	7.6	7.0	10.0	3.0	2.0	3.0
Change in Median (2014-2016)	0 miles			-1 mile			+2.4 miles			0 miles		

Source: Respondent Data (OverallWt) Base: All Respondents
Q5A How many miles is it from where you live to the UW main campus?
Numbers may not sum to 100% due to rounding

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Vehicle Ownership by Proximity to Campus

Those living near campus are significantly less likely to have a vehicle. Notably among among students where vehicle ownership for those who live ten or more miles away is three times that of students living within one mile.

Table 19: Percent of Respondents with Vehicles by Distance from Home to Campus

	0.01 - 1 mile	1.01 - 2 miles	2.01 - 5 miles	5.01 - 10 miles	More than 10 miles
Total	27%	48%	66%	76%	83%
All Employees	65%	60%	78%	86%	92%
Faculty	55%	54%	82%	83%	93%
Staff	72%	68%	75%	88%	92%
Students	25%	42%	50%	60%	72%

Q5: How many miles is it from where you live to the UW main campus? Q7: Do you have any of the following regularly available for your commute?
Source: Respondent Data   Base: All Respondents (Overall Weight)

Impact of Commuting to UW on Household Location

Proximity to campus is a major consideration for more than half of respondents. It is most important among students and faculty than with staff.

Table 20: Housing Consideration by Type

	Total	All Employees	Faculty	Staff	Students
Not a consideration at all	22%	22%	10%(-)	28%(+)	22%
Somewhat of a consideration	31%	33%	31%	34%	30%
Major consideration	47%	45%	59%(+)	38%(-)	48%

Q5A1: To what extend did your options for commuting to the UW influence your choice of where you live?
Source: Respondent Data   Base: Respondents who do NOT live on campus (Overall Weight)

It is clear that those choosing to live near campus are more likely to say that proximity to campus was a major influence in their choice of housing location. Sixty percent (60%) of UW commuters who live within 2 miles of campus suggest that proximity to campus was a major consideration in their choice of where to live as opposed to one-quarter who live more than 10 miles away.

Figure 3: Influence of Work Location on Proximity to Campus
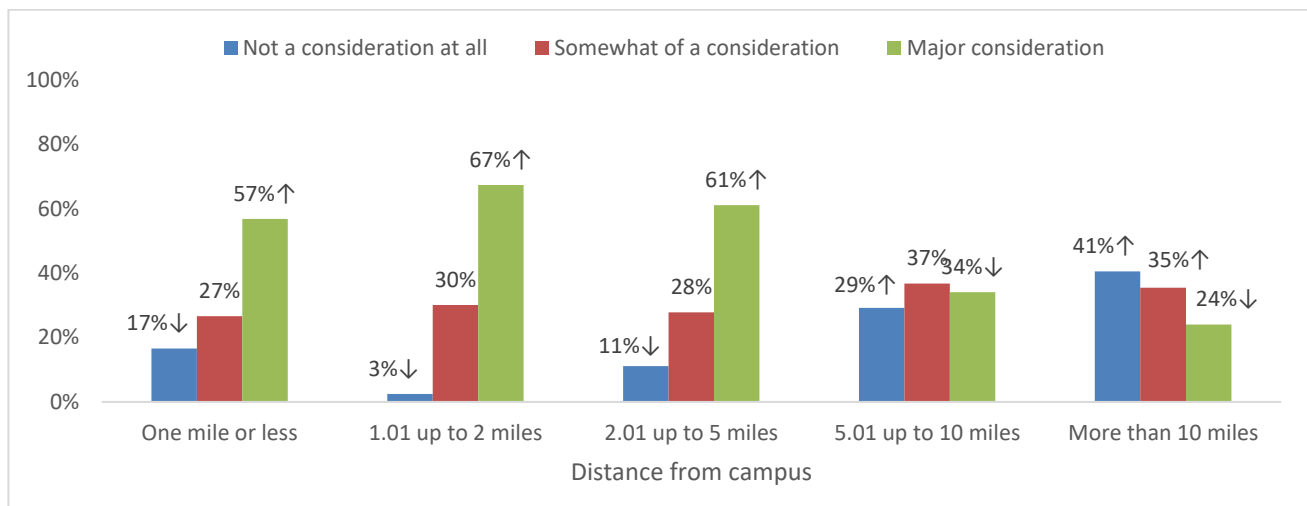

Q5: How many miles is it from where you live to the UW main campus? Q5A1: To what extend did your options for commuting to the UW influence your choice of where you live? Source: Respondent Data   Base: Respondents who do NOT live on campus (Overall Weight)

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Access to Transit

Nearly all UW faculty, staff, and students have access to public transportation services that would get them from their home to the UW campus—over half have direct service to campus.

Figure 4: Access to Transit from Home to UW—All Respondents
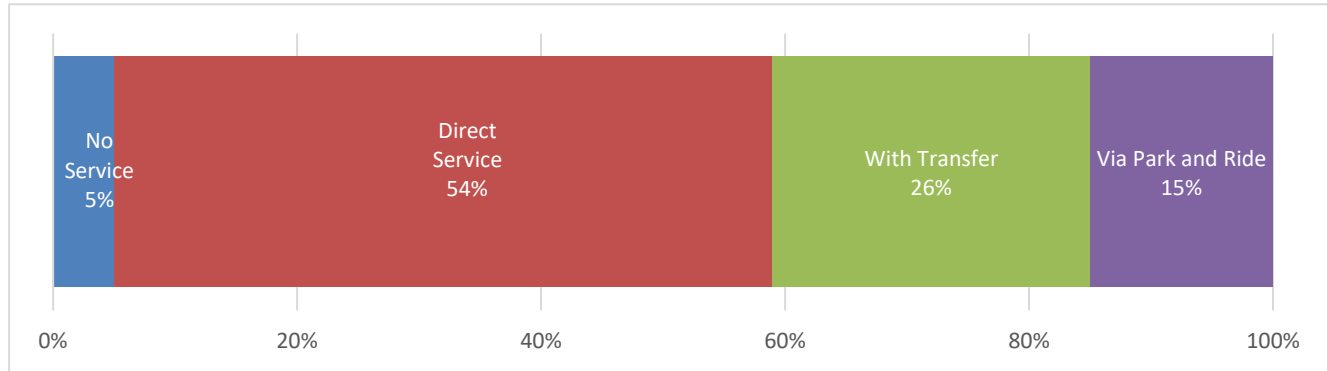
| No Service 5% | Direct Service 54% | With Transfer 26% | Via Park and Ride 15% |

Q5B: Which of the following best describes the bus or rail service available from where you live to the UW?
Source: Respondent Data Base: Respondents who do NOT live on campus (Overall Weight)

While most nearly all staff have access to the UW by transit, they are significantly more likely than students and faculty to have indirect service via transferring or going to a park-and-ride. One-third of students live on or near campus. Among students who do not live on or near campus, 61 percent have direct transit service.

Table 21: Access to Transit from Home to UW for Those Who Do Not Live on Campus—by Type

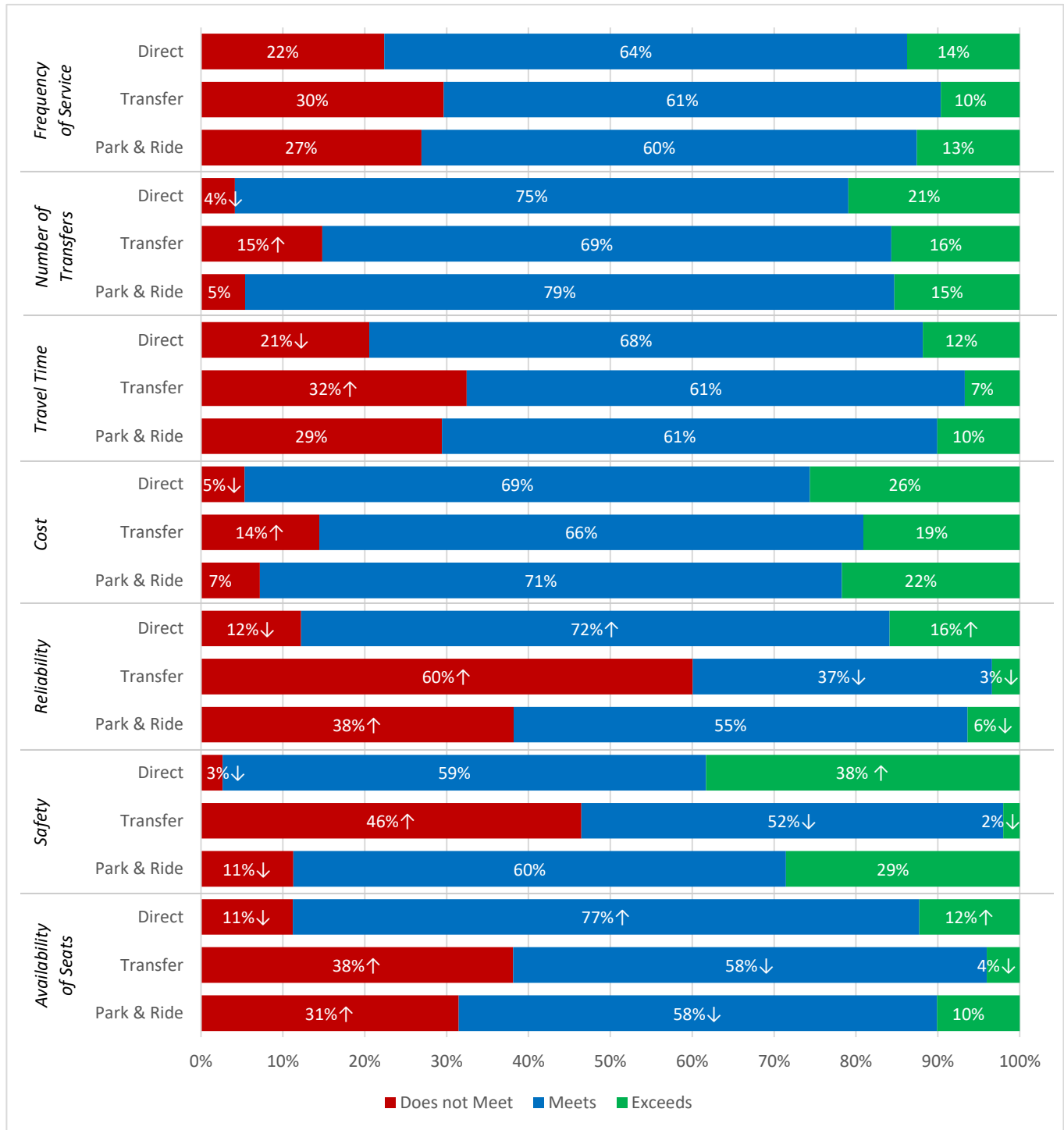|		Total	All Employees	Faculty	Staff	Student
Among those who do NOT live on or near campus	No Service	5%	3%(-)	2%(-)	4%	7%(+)
	Direct service	54%	47%(-)	60%	41%(-)	61%(+)
	Service with Transfer	26%	30%(+)	25%	33%(+)	21%(-)
	Service via park-and-ride	15%	19%(+)	13%	22%(+)	11%(-)
	% of those who do live on/near campus	*20%*	*1%*	*2%*	*1%*	*32%*

Q5B: Which of the following best describes the bus or rail service available from where you live to the UW?
Source: Respondent Data Base: Respondents who do not live on campus (Overall Weight)

Generally speaking, the transit service meets needs and expectations.

- Ratings of service are significantly higher for number of transfers required, cost, and safety.
- Ratings are lowest regarding frequency of service, travel time, reliability, and availability of seats.

Table 22: Transit Ratings Among Those Who Have Access to Transit

	Frequency of Service	Number of Transfers Required	Travel Time	Cost	Reliability (on-time)	Perception of Safety	Availability of Seats
Exceeds Needs and Expectations	10%(-)	27%(+)	11%(-)	23%(+)	10%(-)	19%(+)	12%(-)
Meets Needs and Expectations	69%(+)	57%(-)	60%(-)	69%(+)	65%	74%(+)	62%
Does Not Meet Needs and Expectations	22%(+)	16%(-)	29%(+)	8%(-)	25%(+)	7%(-)	25%(+)

Q5B: Which of the following best describes the bus or rail service available from where you live to the UW?
Source: Respondent Data Base: Respondents With Access to Transit (Overall Weight)

Those with direct service provide significantly higher ratings than do those who have to transfer and, to a lesser extent, those who use a park-and-ride lot.

- Safety is the primary factor differentiating the three groups. This is followed by number of transfers and overall travel time.

Figure 5: Ratings of Transit Service from Home to UW by Type of Service Available

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Detailed Findings—Travel Behavior

Prior 7 Days of Travel

Beginning in 2012, the U-PASS survey instrument was changed to be more consistent with the data gathered by Washington State's Commute Trip Reduction surveys—that is, respondents were asked to record data for commute trips taken over the previous 7 days rather than weekdays only as in the past. In addition, the web survey technology had respondents start with the day of the survey (if completing after 5:00 p.m. on that day) or the day immediately prior to the day of the survey. Respondents then recorded data for the previous 7 days starting with the most recent day, as shown below.

Q9A **Today is [RESTORE CURRENT DAY OF WEEK AND DATE; E.G., Monday, September 24]**

Which of the following days did you [WORK / ATTEND CLASSES OR DO SCHOOLWORK/ WORK, ATTEND CLASSES OR DO SCHOOLWORK] at the UW main campus or in the U District?

CURRENT DAY OR YESTERDAY	START DAY - 1	START DAY -2	START DAY -3	START DAY -4	START DAY -5	START DAY -6
❍	❍	❍	❍	❍	❍	❍

Subsequent questions asked for arrival and departure times. Initially, programming checks ensured that departure times were later than arrival times. However, several e-mails were received from staff who work graveyard shifts at the UW Medical Center. To accommodate these participants, start/end time checks were removed.

Q9B What time did you **arrive** and **depart** on campus on these days?
Enter actual time (e.g. 8:30) and then check whether a.m. or p.m.

	CURRENT DAY OR YESTERDAY	START DAY - 1	START DAY -2	START DAY -3	START DAY -4	START DAY -5	START DAY -6
ENTER START TIME	__:__	__:__	__:__	__:__	__:__	__:__	__:__
A.M.	❍	❍	❍	❍	❍	❍	❍
P.M.	❍	❍	❍	❍	❍	❍	❍
ENTER DEPARTURE TIME	__:__	__:__	__:__	__:__	__:__	__:__	__:__
A.M.	❍	❍	❍	❍	❍	❍	❍
P.M.	❍	❍	❍	❍	❍	❍	❍

Number of Days on Campus

Nearly two-thirds of UW respondents work or attend classes on campus 5 or more per week.

- While faculty are significantly more likely to spend 6 or more days on campus, there are no significant differences between groups in the mean number of days spent on campus.

While down slightly, the overall average number of days on campus is similar to previous years.

Table 23: Number of Days on Campus

| | **Full Week** | | | | |
	All	**Employees**	**Faculty**	**Staff**	**Students**
None	4%	4%	6%	3%	4%
One	3%	4%	6%	3%	3%
Two	6%	5%	5%	5%	6%
Three	9%	10%	13%	9%	9%
Four	15%	17%	9%	21%	14%
Five	54%	53%	46%	56%	55%
Six	5%	5%	10%	3%	5%
Seven	3%	2%	6%	1%	4%
Mean	4.29	4.23	4.16	4.26	4.33

| | **Weekdays Only** | | | | |
	All	**Employees**	**Faculty**	**Staff**	**Students**
None	4%	4%	6%	3%	4%
One	4%	4%	6%	3%	3%
Two	6%	5%	5%	6%	6%
Three	10%	11%	14%	9%	9%
Four	16%	18%	10%	22%	15%
Five	61%	58%	59%	57%	63%
Mean—2016	4.13	4.08	3.92	4.15	4.16
Mean—2015	4.28	4.30	4.11	4.39	4.27
Mean—2014	4.25	4.17	4.06	4.22	4.31
Mean—2012	4.21	4.11	4.02	4.16	4.28

Q9A Which of the following day did you work/attend classes at the UW main campus or in the U-District? ("0" removed from base)
Source: Respondent Data Base: All Respondents (overall weight)

Total Number of Commute Trips to Campus

Based on the number of days respondents travelled to campus, UW employees and students make at least 318,138 trips to campus in a typical week (Monday through Sunday).

- Students account for 61 percent of all weekday trips,
  - Staff account for 27 percent of all weekday trips, and
  - Faculty make up 12 percent of all weekday trips.

Table 24: Total Number of Trips to Campus

		All	**Employees**	**Faculty**	**Staff**	**Students**
Total Weekly Trips to Campus	Respondent Trips	7,016	2,715	852	1,864	4,301
	Population Trips	318,138	123,122	38,617	84,505	195,016
Total Weekday Trips to Campus	Respondent Trips	6,746	2,617	802	1,815	4,129
	Population Trips	305,887	118,651	36,350	82,301	187,236
Weekday Trips as a Percentage of Total Weekly Trips		96%	96%	94%	97%	96%

Source: Trip Data
Base: All Respondents

Arrival Times on Campus

Nearly half (46%) of all weekday trips have an estimated arrival time on campus during peak commute hours of 6:00 and 8:59 a.m.

- Trips taken by UW staff are significantly more likely than those taken by faculty or students to have arrival times during the peak period.

The majority of arrival trips during the peak morning commute time occur between 8:00 and 8:59.

- This is notable for trips taken by students and, to a lesser extent, faculty.

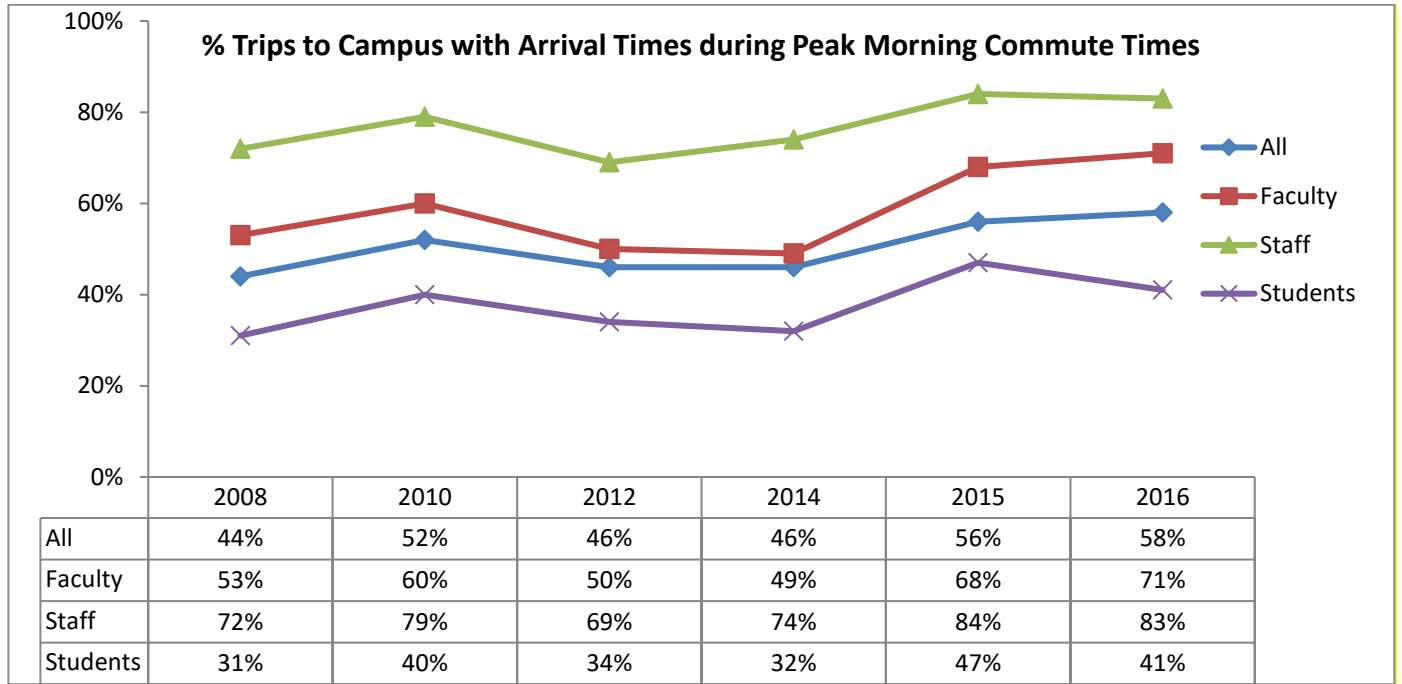*Table 25: Number and Percentage of Weekday Trips Arriving on Campus during Morning Peak Commute Hours*

		All	Employees	Faculty	Staff	Students
Arrive before 6:00 a.m.	Respondent Trips	79	46	13	33	33
	Population Trips	3,593	2,096	583	1,513	1,496
	% of Arrivals	1%	2%	2%	2%	1%
Net **Arrive 6:00 a.m. to 9:00 a.m.**	**Respondent Trips**	**3,548**	**2,139**	**599**	**1,540**	**1,409**
	Population Trips	**160,888**	**97,004**	**27,181**	**69,823**	**63,883**
	% of Arrivals	**58%**	**79%**	**71%**	**83%**	**41%**
Arrive 6:00 a.m. to 6:59 a.m.	*Respondent Trips*	*360*	*327*	*85*	*242*	*33*
	Population Trips	*16,343*	*14,846*	*3,855*	*10,991*	*1,496*
	% of Arrivals	*6%*	*12%*	*10%*	*13%*	*1%*
Arrive 7:00 a.m. to 7:59 a.m.	*Respondent Trips*	*760*	*613*	*149*	*464*	*147*
	Population Trips	*34,455*	*27,798*	*6,771*	*21,027*	*6,658*
	% of Arrivals	*12%*	*23%*	*18%*	*25%*	*4%*
Arrive 8:00 a.m. to 9:00 a.m.	*Respondent Trips*	*2,428*	*1,199*	*365*	*834*	*1,229*
	Population Trips	*110,090*	*54,360*	*16,555*	*37,805*	*55,726*
	% of Arrivals	*39%*	*44%*	*43%*	*45%*	*35%*
Arrive 9:01 a.m. to 9:59 a.m.	Respondent Trips	788	201	98	103	587
	Population Trips	35,741	9,111	4,438	4,673	26,630
	% of Arrivals	13%	7%	12%	6%	17%
Arrive 10:00 a.m. and later	Respondent Trips	1,752	317	138	179	1,435
	Population Trips	79,457	14,377	6,253	8,124	65,080
	% of Arrivals	28%	12%	16%	10%	41%

Source: Trip Data

Base: All respondents

Q9B   What time did you arrive and depart campus on these days? (Monday–Friday)
Percentage is based on number of trips arriving on campus during specified time periods.

Just under half of all trips to campus arrive during peak commute hours between 6:00 a.m. and 9:00 a.m.

- The percentage of trips taken by UW faculty, staff, and students that have arrival times on campus during peak morning commute times has remained consistent with 2015.
- Prior to 2015, this chart included from 6:00 a.m. to 8:59 a.m. Beginning in 2015, the chart included 9:00 a.m. in the calculation for peak morning commute times. This difference in calculation explains the large jump in the percent of trips.

Figure 6: Trends in Percentage of Trips to Campus with Arrival Times during Peak Morning Commute Times

% Trips to Campus with Arrival Times during Peak Morning Commute Times

	2008	2010	2012	2014	2015	2016
All	44%	52%	46%	46%	56%	58%
Faculty	53%	60%	50%	49%	68%	71%
Staff	72%	79%	69%	74%	84%	83%
Students	31%	40%	34%	32%	47%	41%

Source: Trip Data (OverallWt) Base: All respondents
Peak morning commute is defined at 6:00 a.m. to 9:00 a.m.
Q9B   What time did you arrive on campus on these days? (Monday–Friday)
Percentage is based on number of trips arriving during specified time periods.

Departure Time from Campus

The majority of weekday trips have a departure time during peak afternoon and evening commute hours (3:00 p.m. to 5:59 p.m.).

- A greater percentage of trips made by staff and, to a lesser extent, faculty have departure times during peak afternoon and evening commute hours compared to students.

Table 26: Number and Percentage of Weekday Trips Departing Campus during Afternoon and Evening Peak Commute Hours

		All	Employees	Faculty	Staff	Students
Depart before 3:00 p.m.	Respondent Trips	1,266	251	84	167	1,015
	Population Trips	57,388	11,383	3,790	7,593	46,005
	% Departing	21%	9%	10%	9%	29%
Net Depart 3:00 p.m. to 6:00 p.m.	**Respondent Trips**	**3,630**	**2,005**	**544**	**1,460**	**1,625**
	Population Trips	**164,582**	**90,899**	**24,687**	**66,213**	**73,683**
	% Departing	**59%**	**74%**	**64%**	**79%**	**47%**
Depart 3:00 p.m. to 3:59 p.m.	*Respondent Trips*	*710*	*235*	*40*	*195*	*475*
	Population Trips	*32,199*	*10,655*	*1,814*	*8,841*	*21,544*
	% Departing	*12%*	*9%*	*5%*	*10%*	*14%*
Depart 4:00 p.m. to 4:59 p.m.	*Respondent Trips*	*999*	*595*	*129*	*467*	*404*
	Population Trips	*45,318*	*26,991*	*5,831*	*21,159*	*18,327*
	% Departing	*16%*	*22%*	*15%*	*25%*	*12%*
Depart 5:00 p.m. to 5:59 p.m.	*Respondent Trips*	*1,920*	*1,174*	*376*	*799*	*746*
	Population Trips	*87,065*	*53,253*	*17,041*	*36,212*	*33,812*
	% Departing	*31%*	*43%*	*44%*	*43%*	*22%*
Depart 6:00 p.m. to 6:59 p.m.	Respondent Trips	274	149	64	84	125
	Population Trips	12,424	6,739	2,916	3,823	5,685
	% Departing	4%	5%	8%	5%	4%
Depart 7:00 p.m. and later	Respondent Trips	975	301	154	147	675
	Population Trips	44,224	13,629	6,965	6,664	30,595
	% Departing	16%	11%	18%	8%	20%

Source: Trip Data
Base: All respondents
Q9C   What time did you depart campus on these days? (Monday–Friday)
*   Percentage is based on number of trips departing campus during specified time periods.*

Arrival and Departure Times Combined

The table below shows the number of trips arriving on and departing from campus during each hour of the day.

Figure 7: Hourly Number of Arrivals and Departures

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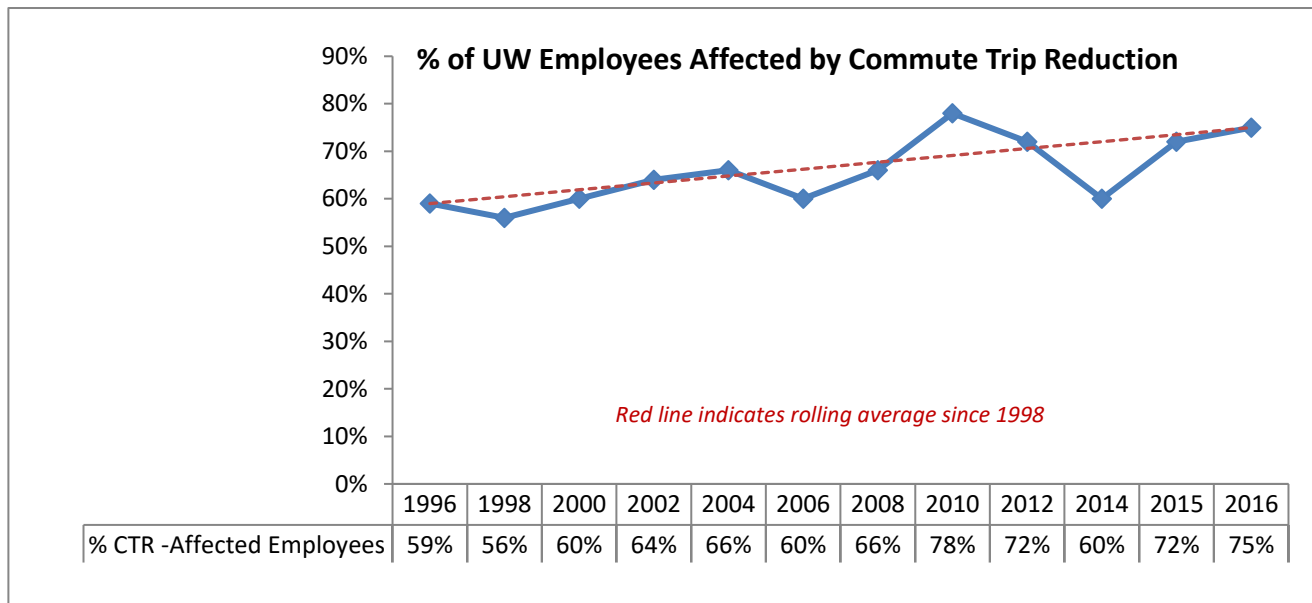Date: January 2017
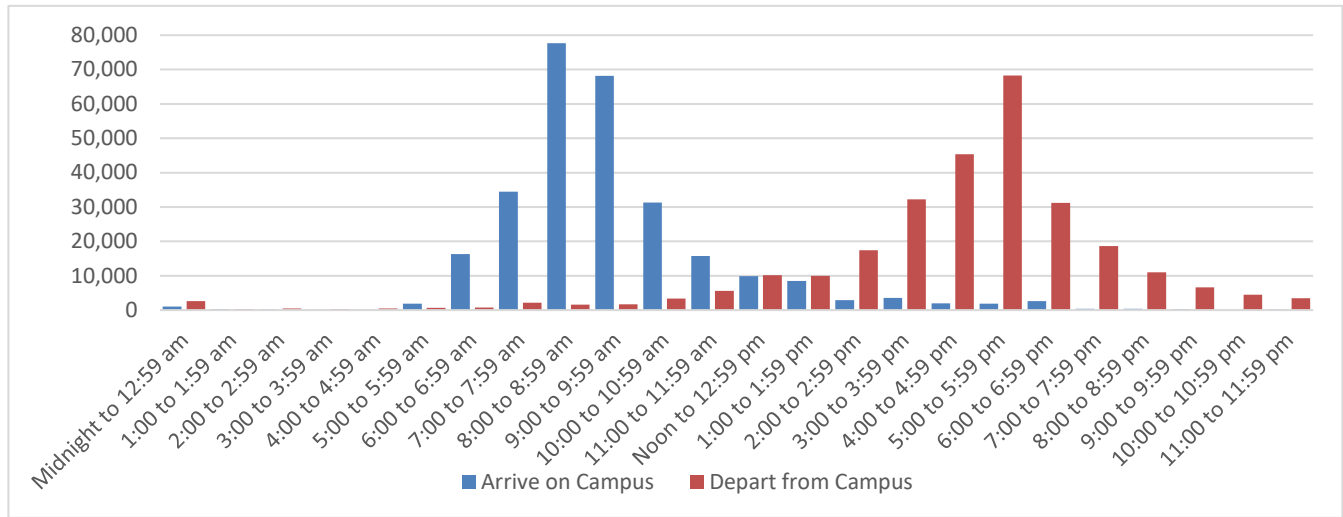
CTR-Affected Employees

Washington State's CTR law defines CTR-affected employees as regular, full-time employees who arrive at work between 6 and 9 a.m. at least two days during the Monday to Friday work week.

After peaking in 2010, the percentage of CTR-affected employees decreased through 2014. Over the past two years, this has increased again and is now similar to 2010 and 2012 levels.

- Both faculty and staff have seen increases from 2014 (breakouts by employee type not provided in 2015)
  - CTR Affected Faculty: 2014—49%, 2016—67%.
  - CTR Affected Staff: 2014—65%, 2016—78%.

Figure 8: Percentage of UW CTR-Affected Faculty / Staff

% of UW Employees Affected by Commute Trip Reduction

Red line indicates rolling average since 1998

	1996	1998	2000	2002	2004	2006	2008	2010	2012	2014	2015	2016
% CTR -Affected Employees	59%	56%	60%	64%	66%	60%	66%	78%	72%	60%	72%	75%

Source: Respondent data; (Weighted by EmployeeWt)
Base: All faculty and staff;
A CTR trip is defined as a trip taken by faculty or staff members Monday–Friday between 6 a.m. and 9 a.m.

Commute Mode(s) Used

The Puget Sound metropolitan area offers a complex, multimodal transportation system. To better understand travel behavior, respondents were asked to describe what types of transportation they use to get from home to campus or the U-District. If the respondent used more than one mode, they were asked to enter each type used in the order of their trip, starting from where they live until they reached their destination, as illustrated below:

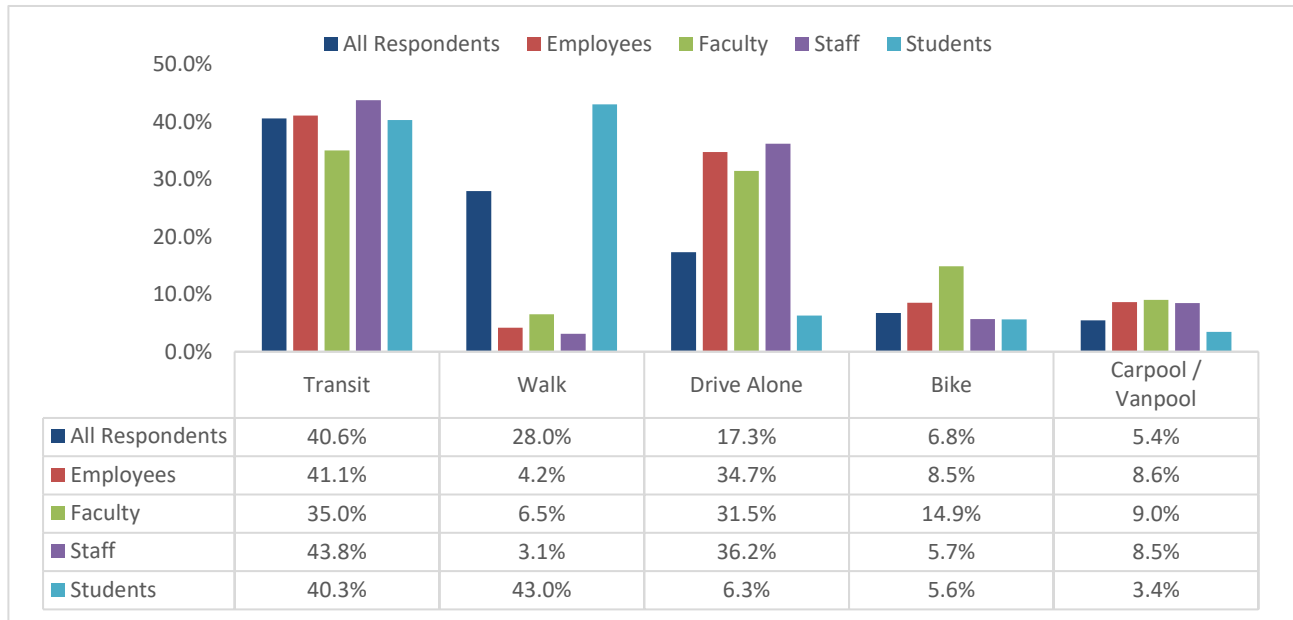| Type of transportation used for the [first, second, etc.) part of your commute to the UW	Leg 1	Leg 2. . .	Last Leg
Trip Finished (shown for Leg 2 and onwards)		❍	❍
Drove alone (or with children under 16)	❍	❍	❍
Carpooled (2 or more people) [ASK IF CARPOOL] # of people 16 and older in carpool (including yourself)	❍ ——	❍ ——	❍ ——
Vanpooled [ASK IF VANPOOL] # of people 16 and older in vanpool (including yourself)	❍ ——	❍ ——	❍ ——
Motorcycle / Moped / Scooter [ASK IF MOTORCYCLE] # of people 16 and older on motorcycle / moped / scooter	❍ ——	❍ ——	❍ ——
Bus [ASK IF TOOK BUS] Which bus system? King County Metro Sound Transit Community Transit Everett Transit Pierce Transit Kitsap Transit Other bus system (specify)	❍ ❍ ❍ ❍ ❍ ❍ ❍ ❍ ❍	❍ ❍ ❍ ❍ ❍ ❍ ❍ ❍ ❍	❍ ❍ ❍ ❍ ❍ ❍ ❍ ❍ ❍
Link Light Rail [ASK IF USED LINK] At which station did you **board** the Link? [ASK IF USED LINK] At which station did you **get off** the Link?	❍	❍	❍
Seattle Streetcar	❍	❍	❍
King County Water Taxi	❍	❍	❍
Sounder Commuter Rail	❍	❍	❍
Washington State Ferries	❍	❍	❍
Bicycled	❍	❍	❍
Walked	❍	❍	❍
Other [specify}	❍	❍	❍

Those using more than one mode were asked a follow-up question to identify their primary mode, defined as the mode used for the longest part (based on miles traveled) of their trip. This allows for comparisons to previous years when respondents only provided a single mode.

Mode Share for Commute Trips to Campus

More than twice as many weekday trips (Monday through Friday) to campus are transit trips than drive-alone vehicle trips.

- Transit trips are the most common weekday commute mode among all respondents.
  - Though faculty are equally as likely to drive alone as ride transit
- Two-in-five trips made by students are walking trips.
  - This is about the same as the percentage of students who live within a mile of campus.
- A significant percentage of faculty trips are bicycle trips.

Figure 9: Mode Share for Commute Trips to Campus (Weekdays)

	Transit	Walk	Drive Alone	Bike	Carpool / Vanpool
All Respondents	40.6%	28.0%	17.3%	6.8%	5.4%
Employees	41.1%	4.2%	34.7%	8.5%	8.6%
Faculty	35.0%	6.5%	31.5%	14.9%	9.0%
Staff	43.8%	3.1%	36.2%	5.7%	8.5%
Students	40.3%	43.0%	6.3%	5.6%	3.4%

Source: Trip Data File—Trips take Monday through Friday Base: All selected respondents (OverallWt)

*Percentages are based on total weekday trips **to** campus and in those instances where multiple modes were reported for a single trip (in the case of linked trips) reflect the mode used for the longest portion of the trip.*

Number of Transportation Modes Used on Commute Trip from Home to Campus

Six out of ten weekday trips are single-mode trips. This has continued to decrease over the years.

- Peaking in 2010, 84% of weekday trips consisted of a single mode.

- In 2014, 73% of weekday trips used a single mode.

- Trips made by faculty are significantly more likely than those made by staff or students to be single-mode trips.

Weekend trips to campus are significantly more likely than weekday trips to use a single mode of transportation.

Table 27: Number of Transportation Modes Used Per Commute Trip to

	All	Employees	Faculty	Staff	Students
Monday through Friday					
% Single Mode	59%	57%	67%	53%	61%
Average # of Modes	1.65	1.72	1.54	1.80	1.60
Saturday / Sunday					
% Single Mode	72%	76%	76%	77%	69%
Average # of Modes	1.49	1.34	1.37	1.30	1.58

Source: Trip Data
Base: All respondents
Percent shown is percent of trips taken

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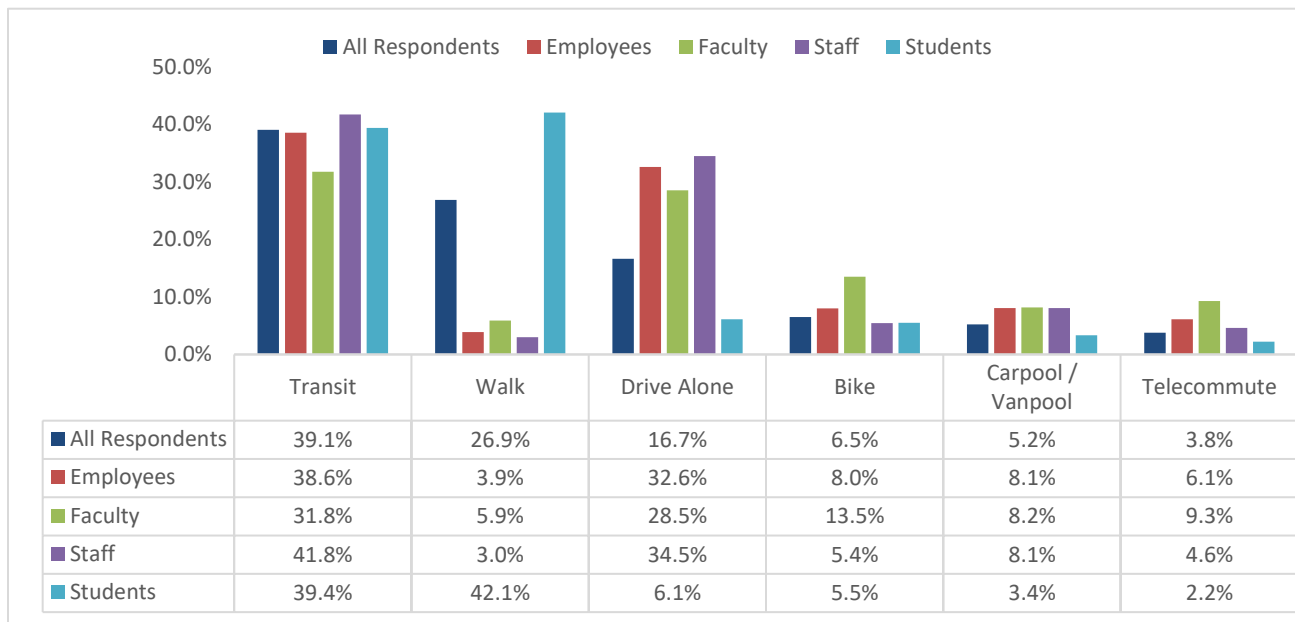
Details on Trips

Telecommuting

Seventeen percent (17%) of respondents have telecommuted at least once in the past week.

- Telecommuters telecommute an average of 2.1 days per week.
- There is little difference in telecommuting habits between faculty, staff, and students.

When taken into the trip count Telecommuting accounts for four percent (4%) of weekday trips to campus—accounting for 25,881 "trips".

- Faculty replace significantly more weekday commute trips with telecommuting.

Figure 10: Mode Share of Trips Taken to Campus Monday through Friday – Including Telecommute

	Transit	Walk	Drive Alone	Bike	Carpool / Vanpool	Telecommute
All Respondents	39.1%	26.9%	16.7%	6.5%	5.2%	3.8%
Employees	38.6%	3.9%	32.6%	8.0%	8.1%	6.1%
Faculty	31.8%	5.9%	28.5%	13.5%	8.2%	9.3%
Staff	41.8%	3.0%	34.5%	5.4%	8.1%	4.6%
Students	39.4%	42.1%	6.1%	5.5%	3.4%	2.2%

Source: Trip Data File—Trips take Monday through Friday Base: All selected respondents (OverallWt) INCLUDES TELECOMMUTERS
*Percentages are based on total weekday trips **to** campus and in those instances where multiple modes were reported for a single trip (in the case of linked trips) reflect the mode used for the longest portion of the trip.*

Bicycling

Seven percent (7%) or a total of 20,088 commute trips per week are primarily bicycle trips. An additional 1% of trips use a bicycle as part of the trip in conjunction with another mode that is their primary mode (longest distance).

Figure 11: Percent of Trips Using Bicycle for Some / All of the Trip
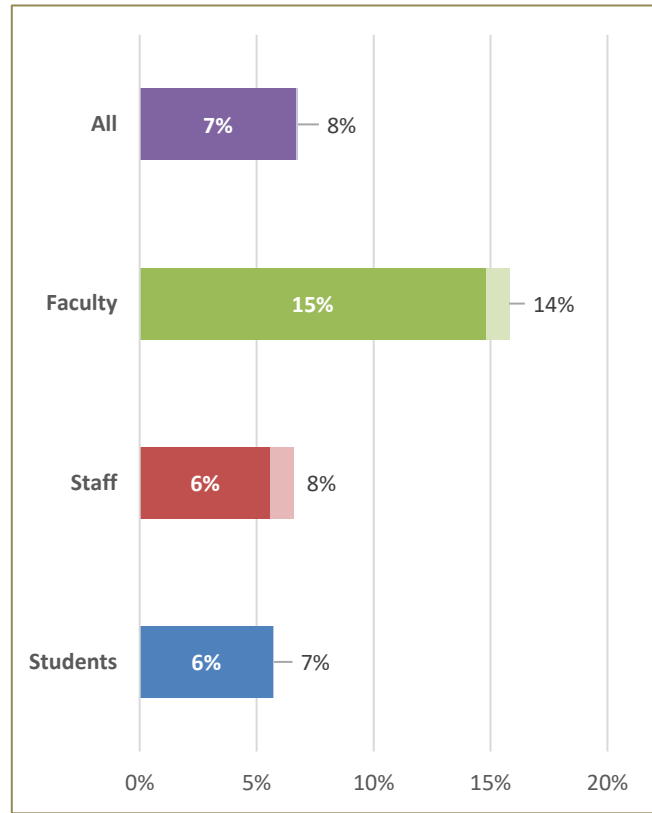
Source: Trip Data (OverallWt) Base: All respondents
Darker color indicates percentage of respondents who biked for their entire trip
Lighter color indicates percentage of respondents who biked for all or part of their trip

University of Washington 2016 Transportation Study
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Bicycle Parking

Two-thirds of bike commuters park at a bike rack on campus.

Overall satisfaction with bicycle parking on campus is similar to 2014 levels.

Table 28: Trends in Overall Satisfaction with Bicycle Parking – NOT ASKED IN 2015

	2012	**2014**	**2016**
Total Satisfied	79%	86%	83%
Very Satisfied	32%	34%	33%
Somewhat satisfied	47%	52%	50%

Table 29: Bike Parking

Bike rack on campus	64%
In office	10%
Bike locker campus	9%
Parking garage	4%
Fenced, locked bicycle enclosure	5%
Dedicated storage on campus	3%
Someplace else	4%

Source: Respondent data (Overall Weight)
Base: Bicycle respondents
Q15: When you use your bike as part of your commute trip, do you typically park your bike. .

Cyclists are most satisfied with the availability and least satisfied with the security of bicycle parking.

Figure 12: Satisfaction with Bicycle Parking
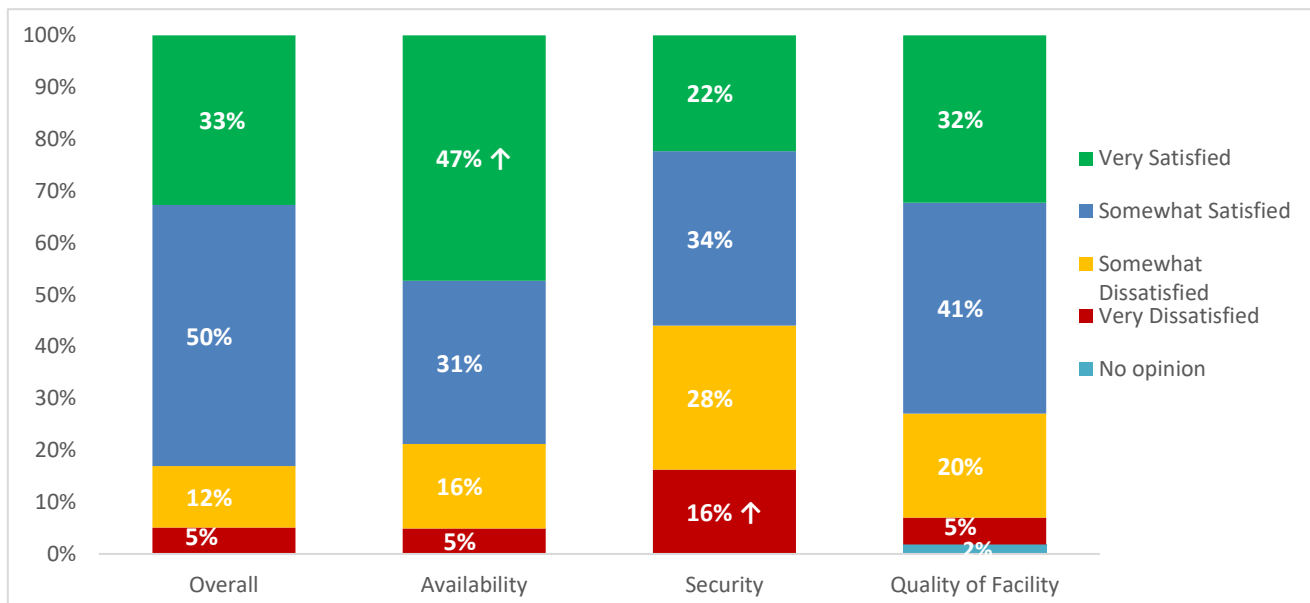
Source: Respondent Data (Overall weight) Base: Respondents who parked bike on UW campus Q16 How satisfied are you with each of the following . . .

Satisfaction levels are similar across most areas with the exception of security, which is rated significantly lower for those who parked on a bike rack. While security also looks low for those who parked in bike storage, this only applied to 5 respondents so no statistical testing could be performed.

Table 30: Satisfaction with Bicycle Parking by Place Parked

	Bike Rack	**Bike Locker**	**Bike Enclosure**	**Bike Storage**
Overall	82%	85%	76%	100%
Availability	81%	68%	74%	67%
Security	54%(-)	72%	64%	38%
Quality of Facility	72%	79%	76%	67%

Bike Infrastructure Improvements

Route improvements such as dedicated bike lanes would serve as the greatest incentive to encourage more bicycle commuting.

Figure 13: Incentives to Encourage More Bicycle Commuting
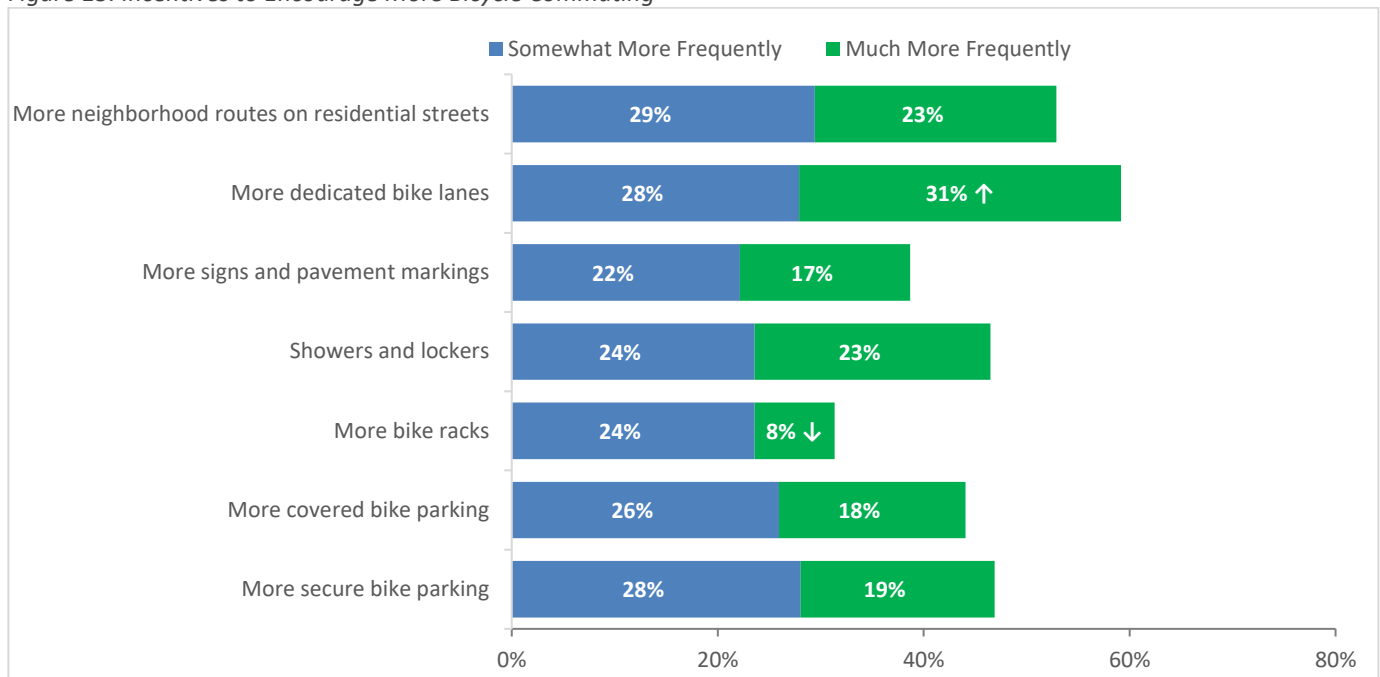
Source: Respondent Data (Overall weight) Base: Respondents who have a bike or took a bike to campus
Q17: If the following changes were made, how often would you bike to campus?

Driving Alone

The vast majority of those who drive alone as their primary travel mode report that they drive for their entire trip. Students are the most likely to use a combination of driving and transit as part of their commute.

Table 32: Percent of Drive-Alone Trips that Are Entirely by Car versus Combined with Other Modes (Mon–Fri)

Table 31: Percent Drive Alone as Primary Mode (Monday through Friday)

	All	Employees	Faculty	Staff	Students
Drove Alone	17%	35%	32%	36%	6%

Source: Trip Data (OverallWt) Base: All respondents
Percent shown is percent of trips taken

	% Drive Entire Trip*	% Drive + Transit	% Drive + Other Mode**
All	91%	8%	2%
Employees	93%	6%	2%
Faculty	97%	1%	1%
Staff	91%	8%	2%
Students	87%	13%	1%

* Includes trips with a single trip leg (drive alone) or drive alone and walk to final destination.

** Includes carpool, vanpool, motorcycle, bicycle, shuttle, etc..

Source: Trip data (OverallWt)

Base: Respondents whose primary mode is drive alone; cell sizes represent number of respondents providing trip data

May not add to 100% due to rounding

Carpooling / Vanpooling

Five percent (5%) or a total of 17,362 commute trips to campus per week are primarily carpool or vanpool trips.

- Nine out of ten carpool trips are two-person carpools.

Table 33: Number in Carpool / Vanpool

		All	**Faculty**	**Staff**	**Students**
Carpool*	% 2-Person	87%	92%	87%	83%
	Mean	2.16	2.07	2.16	2.20
Vanpool**	Mean	6.01	5.00	8.21	3.50

Source: Respondent Data
Q10A_Carpool_Vanpool: Number of people 16 and older in carpool (including yourself)
Base: Primary trip is carpool or vanpool; base sizes is number of respondents from respondent data
*Note, small sample sizes for carpool data (all=156, faculty=35, staff=79, students=42)
**Note, small sample sizes for vanpool data (all=10, faculty=1, staff=7, students=2)

With the exception of 2015, the distribution of carpoolers has remained fairly consistent over the years.

- There are no significant differences in carpool use based on respondent type.

*Table 34: Role in Carpool—by Type**

	Total	All Employees	Faculty	Staff	Student
Driver	28%	32%	37%	29%	24%
Passenger	51%	44%	31%	51%	57%
Both equally	22%	24%	31%	20%	19%

*Note, small sample sizes for carpool data (all=156, faculty=35, staff=79, students=42)

Figure 14: Role in Carpool—All Respondents
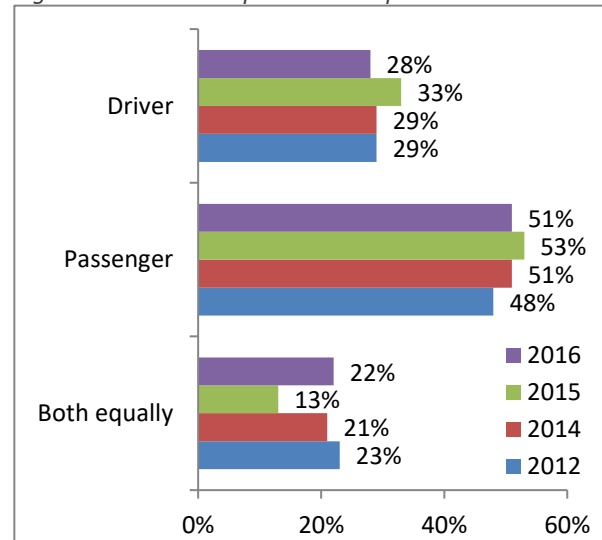
Source: Respondent Data (Overall Weight)
Q19 When you carpool are you typically. .
Base: Respondents whose primary trip mode is carpool or vanpool

Parking

Three out of four respondents who take a vehicle park in a UW lot or garage.

Faculty are the most likely to park in a university run spot. Students are the most likely to use paid on-street parking.

On average, it takes just over 7 minutes for respondents to walk from their parking spot to their final destination. This is not broken out by parking location as sample sizes become too small for comparisons.

Most people who park use a pay-per-use or SOV permit.

Figure 15: Parking Permits Used
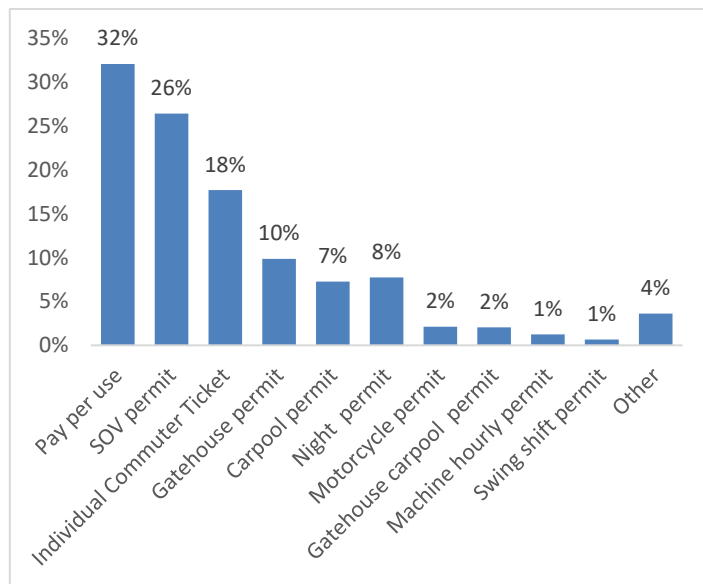
Source: Respondent Data (Overall Weight)
Base: Last leg to campus is drive/carpool/vanpool/motorcycle
Q18C Which of the following parking products do you use when parking on campus?

Figure 16: Parking Locations
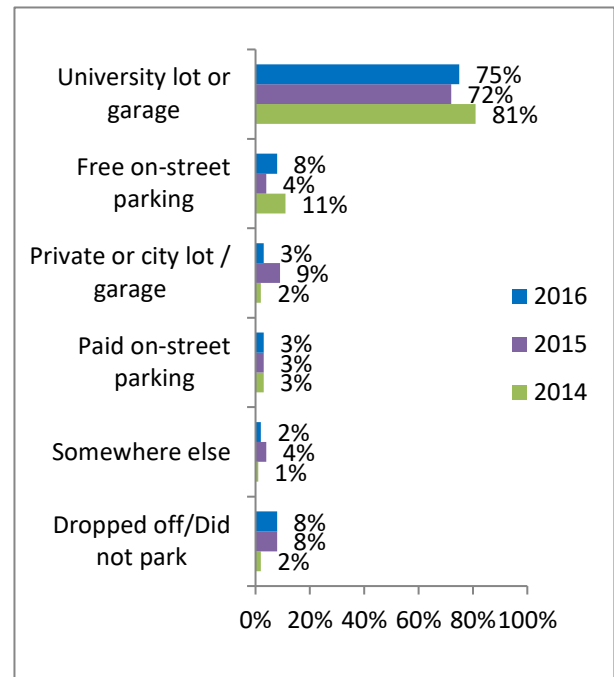
Source: Respondent Data (Overall Weight)
Base: Last leg to campus is drive/carpool/vanpool/motorcycle
Q18   When you drive alone to campus, where do you typically park?

Table 35: Parking Locations by Type

	Total	All Employees	Faculty	Staff	Student
A University lot or garage	75%	82%(+)	87%(+)	79%	60%(-)
Free on-street parking	8%	6%	5%	7%	13%
In a private / city lot / garage	3%	3%	4%	3%	4%
Paid on-street parking	3%	1%(-)	1%	1%	6%(+)
Did not park	8%	7%	3%(-)	8%	13%
Other	2%	1%(-)	0%	1%	5%(+)

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Carpool Parking

Discounted parking factored into the mode choice decision for just under half of respondents who carpooled.

- It was a "major" consideration for one-quarter of carpoolers.

Two-thirds of carpoolers are satisfied with parking.

While still high (60% satisfied), the availability of carpool parking receives the lowest rating.

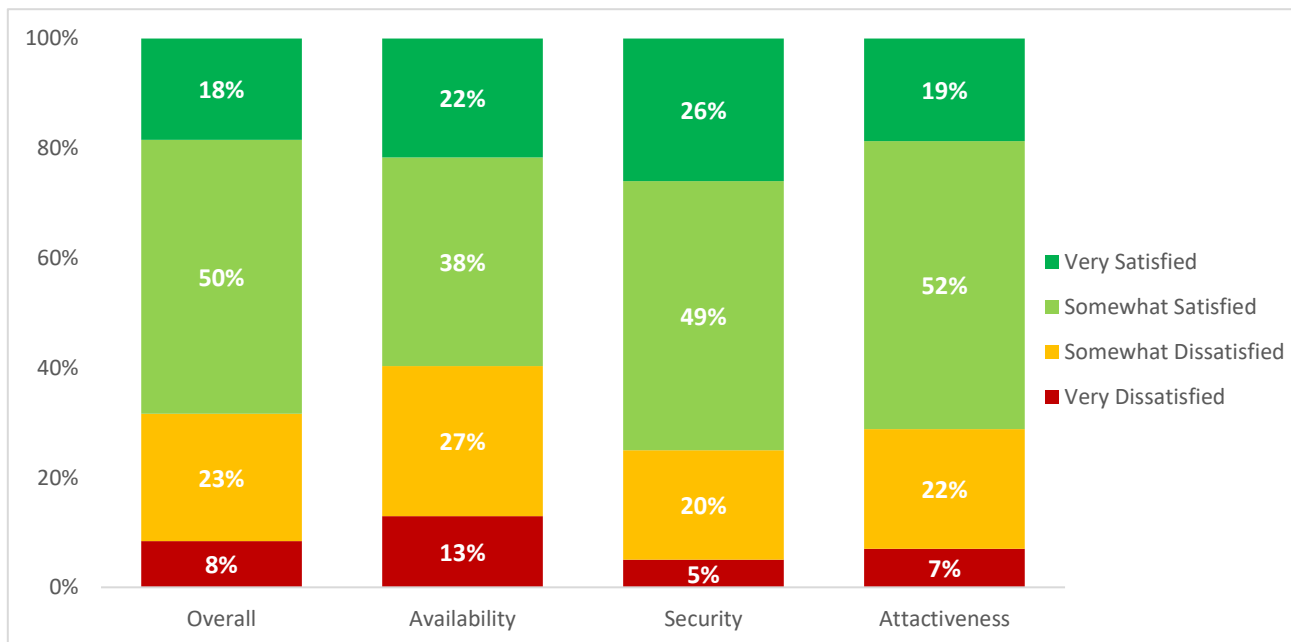*Figure 17: Extent of discount parking on decision to carpool*
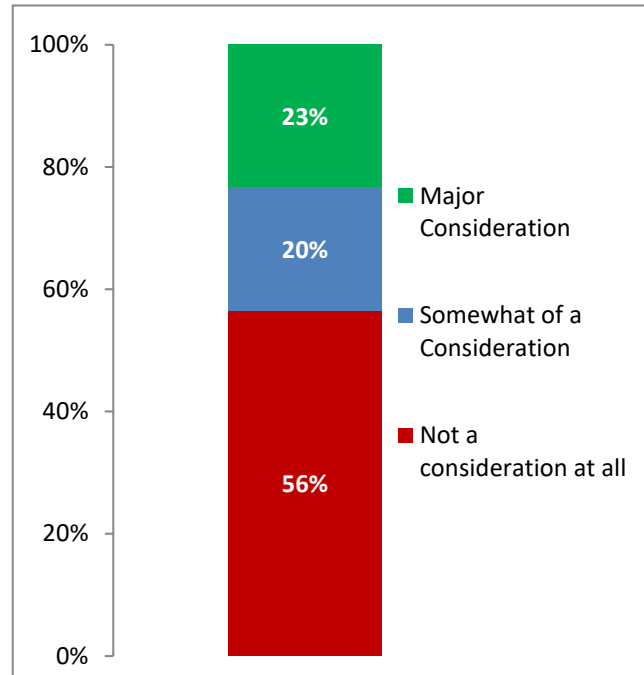
Source: Respondent Data (Overall Weight)
Base: Last leg to campus is carpool/vanpool
Q21: To what extent was discounted carpool parking fees a factor in your decision to carpool

Figure 18: Satisfaction with Carpool Parking

Source: Respondent Data (Overall Weight)
Base: Last leg to campus is carpool/vanpool
Q21: How satisfied are you with each of the following aspects of carpool parking on campus

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Key Findings: Overall Transit Use

Three transit systems serve the University of Washington Seattle campus directly: King County Metro Transit, Community Transit, and Sound Transit (both express bus and link light rail). Link Light Rail started serving the University of Washington in mid-2016 with the opening of the station near the UW Medical Center and Football Stadium.

Other systems covered by the U-PASS include the Sounder Commuter Rail, Link Light Rail, Everett Transit, Kitsap Transit, and Pierce Transit. Trips on these systems require a transfer to reach the UW Seattle campus.

Transit Use

Seven out of ten respondents made at least one trip on one of the region's transit systems in the previous 7 days.

- Transit use has increased across the board since 2014 (not asked in 2015).
- This is primarily due to a 10-fold increase in Link Light Rail trips (from 10,615 in 2014 to 103,602 in 2016).

Table 36: Trends in Overall Transit Use

	2014	2016
Total	67%	73%
All Employees	59%	63%
Faculty	50%	64%
Staff	61%	66%
Students	63%	78%

Figure 19: Overall Transit Use
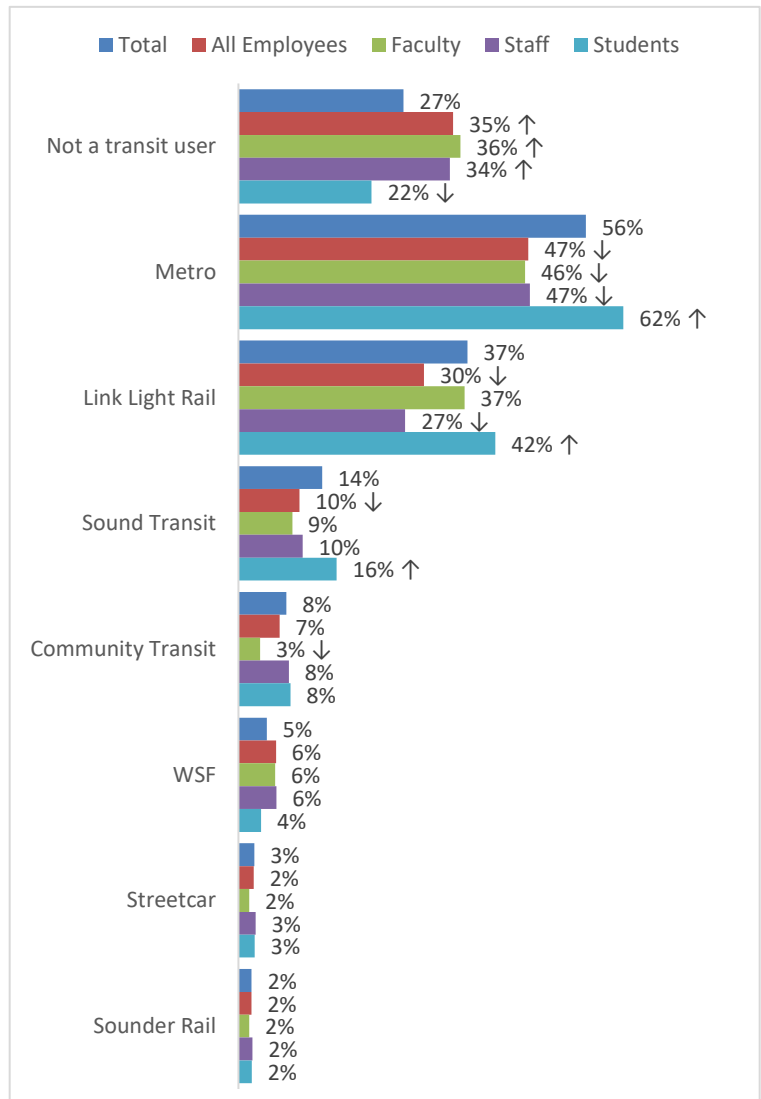
Source: Respondent Data (Overall Weight) Base: All respondents
Q40 In the past 7 days, how many one-way trips did you take on each of the following for any purpose (not just getting to or from work or school)?

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Respondents reported taking a total of 10,815 trips on one or more of the region's transit systems in the previous 7 days.

- This equates to more than 490,382 total trips for the entire population or the equivalent of 6.71 one-way trips per person, up from 5.83 one-way trips in 2014 (not asked in 2015).

Trips on Metro account for nearly sixty percent of transit trips.

- A decrease form 2014 where Metro trips accounted for 75 percent of all transit trips (not asked in 2015).
- The average number of weekly transit trips on Metro decreased between 2014 and 2016 from 4.38 to 3.95 (not asked in 2015).

Use of Link Light Rail has increased significantly due to the opening of the new station in the southern part of campus.

- Light rail now accounts for 103,602 trips— that is one-fifth of all transit trips taken by UW faculty, staff and students—compared to just three percent in 2014 (not asked in 2015).

Table 37: Total Metro Transit Trips 2012–2014

	2014	2016
Average # of One-Way Trips / All Respondent		
All Transit	5.83	6.71
King County Metro	4.38	3.95
All Employees	3.19	3.38
Faculty	2.56	3.01
Staff	3.48	3.55
Students	5.11	4.32
Average # of One-Way Trips on Metro / Metro Riders		
All Riders	7.30	6.60
All Employees		7.12
Faculty	6.17	6.43
Staff	6.89	7.44
Students	7.57	6.79

Table 38: Total Transit Trips in Previous Week

	Respondents	UW Population	% of Transit Trips
Total Weekly Transit Trips			
Total Transit Trips	10,815	490,382	100%
King County Metro Trips	6,362	288,494	59%
Net Trips on Other Systems	4,452	201,888	41%
Link Light Rail	2,285	103,602	21%
ST Bus	890	40,345	8%
Community Transit	662	30,031	6%
Washington State Ferries	266	12,048	2%
Sounder Rail	144	6,524	1%
Seattle Streetcar	97	4,408	1%
Kitsap Transit	42	1,882	<1%
Pierce Transit	31	1,419	<1%
KC Water Taxi	27	1,202	<1%
Everett Transit	9	427	<1%

Source: Respondent Data (Weighted by Overall and Expansion Weights)
Base: All respondents
Q40 In the past 7 days, how many one-way trips did you take on each of the following for any purpose (not just getting to or from work or school)?

Table 39: Total Transit Trips on Most Used Systems

	Average # of One-Way Transit Trips / All Respondents	6.71
King County Metro	**Average # of Trips on KC Metro / All Respondents**	3.95
	Faculty	3.01
	Staff	3.55
	Students	4.32
	Average # of Trips on KC Metro / Metro Riders	6.60
	Faculty	6.43
	Staff	7.44
	Students	6.79
Sound Transit	**Average # of Trips on Sound Transit / All Respondents**	0.55
	Faculty	0.38
	Staff	0.56
	Students	0.58
	Average # of Trips on Sound Transit / ST Riders	4.01
	Faculty	4.28
	Staff	5.35
	Students	3.59
Community Transit	**Average # of Trips on CT / All Respondents**	0.41
	Faculty	0.18
	Staff	0.55
	Students	0.40
	Average # of Trips on CT / Community Transit Riders	5.22
	Faculty	5.00
	Staff	6.69
	Students	4.61

Central Link Light Rail	**Average # of Trips on Link Light Rail / All Respondents**	1.42
	Faculty	1.26
	Staff	1.25
	Students	1.52
	Average # of Trips on Link Light Rail / Link Light Rail Riders	3.76
	Faculty	3.40
	Staff	4.59
	Students	3.59
Washington State Ferries	**Average # of Trips on WSF / All Respondents**	0.16
	Faculty	0.20
	Staff	0.29
	Students	0.10
	Average # of Trips on WSF / Washington State Ferry Riders	3.53
	Faculty	3.35
	Staff	4.74
	Students	2.68
Sounder Commuter Rail	**Average # of Trips on Sounder Rail / All Respondents**	0.09
	Faculty	0.07
	Staff	0.14
	Students	0.07
	Average # of Trips on Sounder Rail / Sounder Rail Riders	4.11
	Faculty	4.00
	Staff	6.06
	Students	3.23

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Trip Purpose(s)

Two-thirds of transit users indicate that commuting to or from the UW is their primary purpose when using public transportation.

- Staff are significantly more likely than other groups to primarily use transit for their commute.

- Students are significantly less likely than other groups to primarily use transit for their commute but nearly a third of them use transit for non-commute purposes.

Figure 20: Trip Purpose: Metro Trips
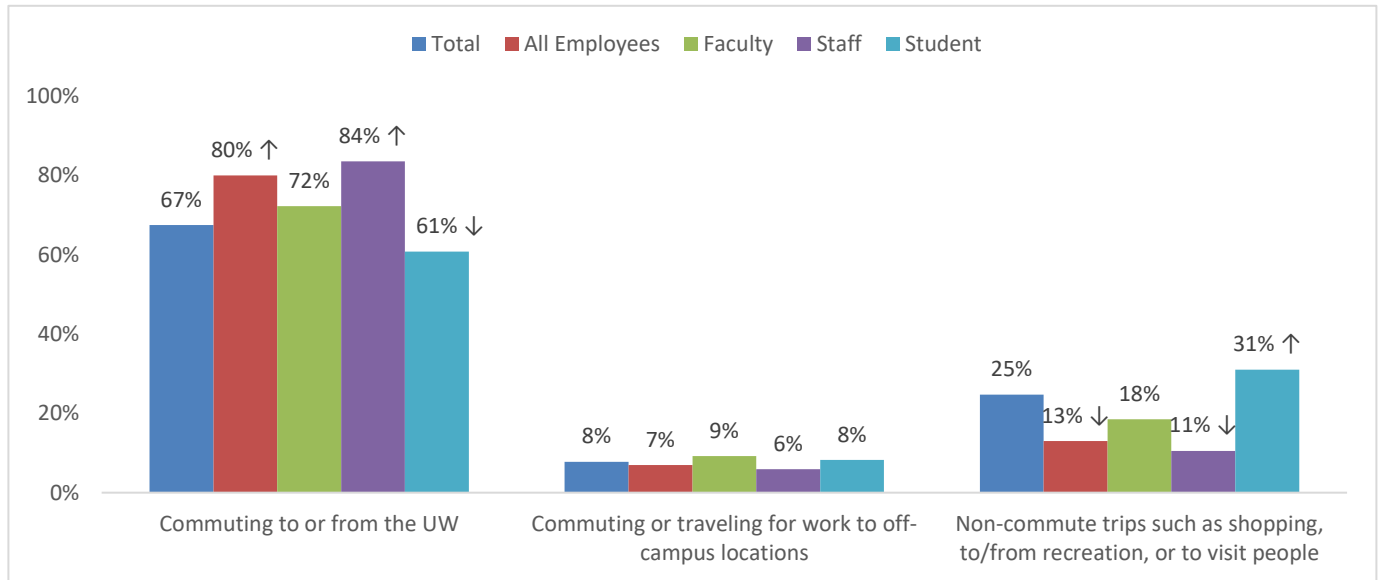
Source: Respondent Data (Overall Weight) Base: Respondents who rode public transit in the past 7 days
Q41NEW: What is the primary purpose for the trips that you take on public transportation?

Metro Ridership

Number of Trips

Respondents reported a total of 6,362 one-way rides on Metro. When projected to the entire UW population this equates to more than 288,494 weekly transit trips.

UW faculty account for only 10% of all one-way trips on Metro. Moreover, they average the fewest number of one-way trips per respondent.

Students account for 66% of all one-way trips on Metro. On average, students took 4.32 one-way trips in the 7 days prior to the survey.

Table 40: Number of Weekly One-Way Trips on Metro

	All	All Employees	Faculty	Staff	Students
	Respondents				
Total #of Weekly One-Way Trips	6,362	2,149	611	1,538	4,213
	Expanded to Population				
Total # of Weekly One-Way Trips	288,494	97,443	27,700	69,744	191,051
% of Total Weekly Trips		34%	10%	24%	66%
Average # of Weekly One-Way Trips / Person	3.95	3.38	3.01	3.55	4.32

Source: Respondent Data (Overall and Expansion Weight)
Base: All respondents
Q40 In the past 7 days, how many one-way trips did you take on each of the following for any purpose (not just getting to or from work or school)?

More than half of Metro trips are to or from campus. This holds true for all segments.

One-quarter of Metro trips are intracampus trips—that is, trips between two points on the campus and/or the U-District.

- Students are more likely than staff and faculty to use Metro for intracampus trips.

- It should be noted that respondents were allowed to provide answers for both to/from and intracampus trips. While writing the questionnaire the decision was made to not force the sum of these trips to equal the total number of trips taken. This means that a trip where a respondent may have traveled from some point within the U-District onto the UW campus proper may be counted twice. Thus, the sums in the table below may not sum to 100%.

Table 41: Types of Metro Trips

		Total Metro Trips	To / From Campus	Intra-Campus
All	# One-Way Trips*	6,362	3,447	1,736
	% of Total Metro Trips*		54%	27%
All Employees	# One-Way Trips*	2,149	1,355	307
	% of Total Metro Trips*		63%	14%
Faculty	# One-Way Trips*	6,11	405	75
	% of Total Metro Trips*		66%	12%
Staff	# One-Way Trips*	1,538	950	232
	% of Total Metro Trips*		62%	15%
Students	# One-Way Trips*	4,213	2,092	1,429
	% of Total Metro Trips*		50%	34%

Source: Respondent Data (Overall Weight)   Base: All respondents

Q40   In the past 7 days, how many one-way trips did you take on each of the following for any purpose (not just getting to or from work or school)?

How many of those trips you took last week included getting to or from the UW campus area?

How many of those trips you took last week were between two points in the U District? (The U-District is defined as east of I-5, north of Portage Bay and Montlake cut, south of Ravenna Boulevard and west of Mary Gates Drive.)

*Percentages sum to 100% across the rows. May not sum to 100% due to questionnaire logic allowing multiple types of trips.

Fare Payment

Nearly all of those riding Metro use a U-PASS to pay their fare.

Reflecting the lower penetration of the U-PASS in these segments, faculty, and to a lesser extent staff, are less likely than students to use a U-PASS.

Overall use of the U-PASS when riding Metro has increased since 2014, primarily due to increases in faculty and staff use (not asked in 2015)

Table 42: Trends in U-PASS Use for Fare Payment 2014-2016

	2014	**2016**
Total	93%	96%
All Employees	80%	89%
Faculty	71%	81%
Staff	84%	92%
Students	99%	100%

Figure 21: Fare Payment
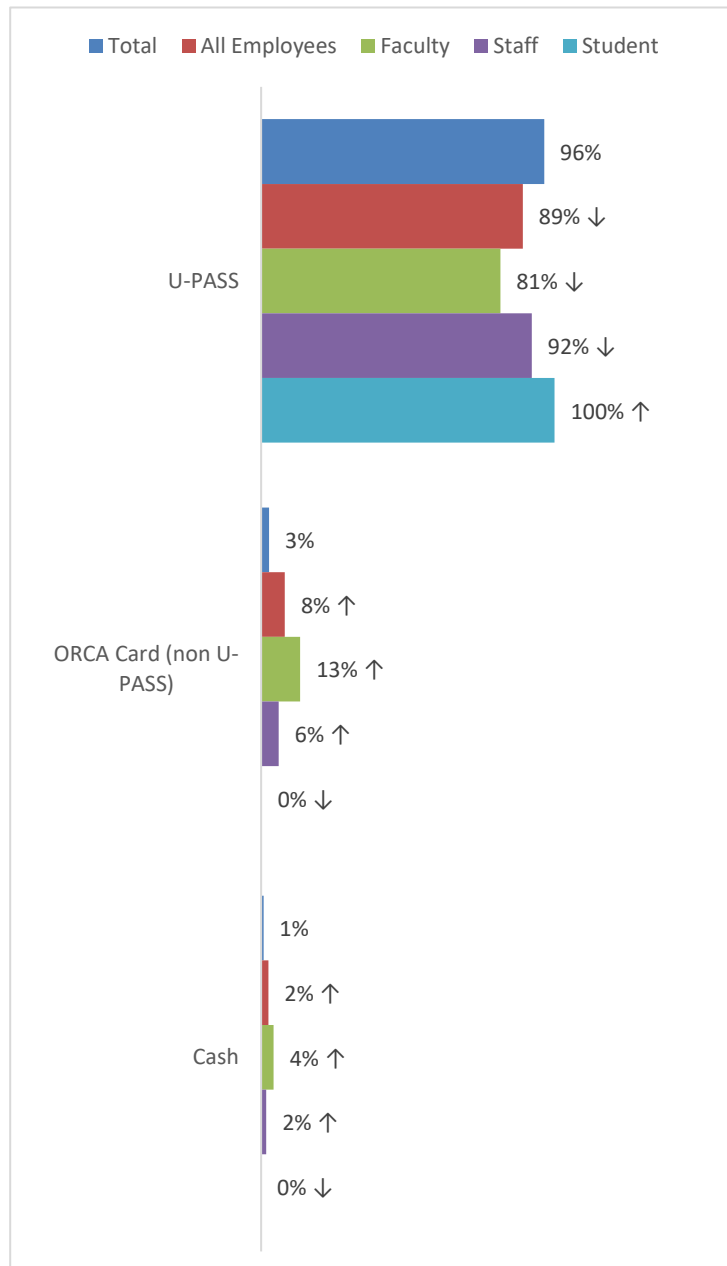
Source: Respondent Data (Overall Weight)
Base: Ridden Metro in previous 7 days
Q42A When you rode Metro, how did you pay your fare?

Satisfaction with Riding Metro

UW faculty, staff, and students who ride Metro are quite satisfied with Metro service.

- Nearly nine out of ten are satisfied—similar to 2014 levels (not asked in 2015).

- Compared to 2014, there has been an increase in satisfaction for staff, yet at the same time a decrease in satisfaction among faculty (not asked in 2015).

- Students are more satisfied overall than faculty and staff primarily due to a higher percentage of students being "very" satisfied.

Table 43: Trends in Total Rider Satisfaction (2014–2016)

	Total	All Employees	Faculty	Staff	Students
2014	89%	79%	90%	76%	93%
2016	86%	81%	80%	81%	90%

Sources: Respondent Data (Overall Weight)
Base: Ridden Metro in previous 7 days
Q44 Overall, how satisfied are you with service on Metro?
Somewhat+Very Satisfied

Figure 22: Satisfaction with Metro
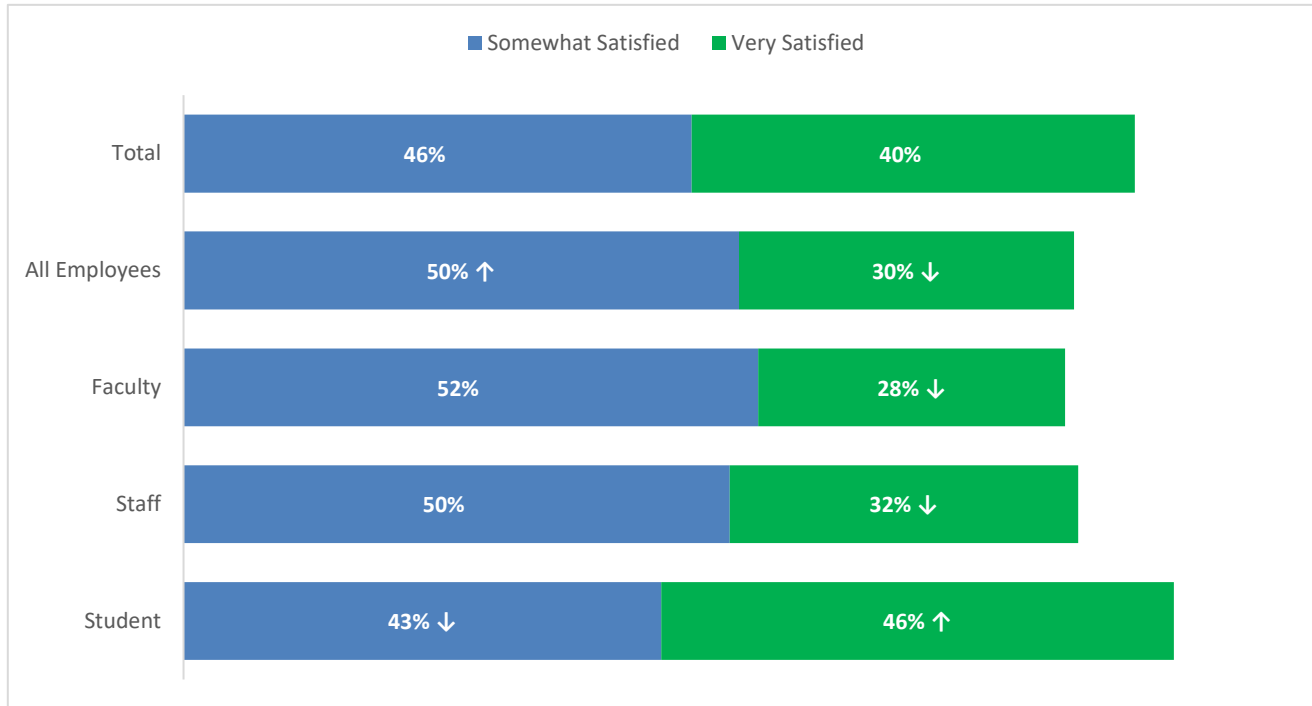
Key Findings: U-PASS

U-PASS Acquisition

After dropping sharply in 2010, the percentage of all respondents with a valid U-PASS rebounded in 2012 and has remained the same since.

- In 2010, the cost of the U-PASS increased, so use went down. In 2011, students made the U-PASS a universal benefit, so use among students increased.
- Two-thirds (64%) of all employees (faculty and staff) have a valid U-PASS.

Figure 23: Percent with Valid U-PASS

	2006	2008	2010	2012	2014	2015	2016
All	79%	81%	67%	84%	85%	84%	85%
Faculty	68%	59%	52%	53%	52%	58%	53%
Staff	70%	76%	71%	69%	70%	68%	70%
Students	85%	87%	69%	97%	97%	97%	98%
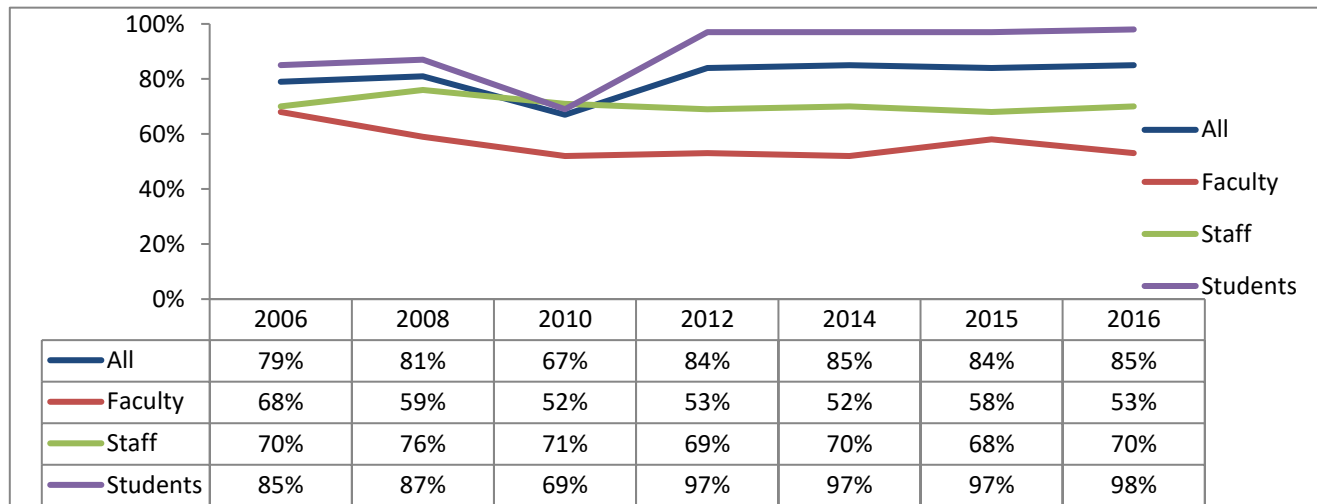
Source: Respondent Data (Overall Weight)
Base: All respondents
Q23 Do you have a U-PASS that is valid for Fall Quarter 2016?

Two-thirds of U-PASS holders have had their U-PASS for at least a year.

- Seven out of ten employees have had their U-PASS for three years or longer.

Over one-third of students are new users—that is, Fall Quarter 2014 is the first quarter they have had a U-PASS.

- As would be expected, the percentage of new members is related to class standing.

It should be noted that combined, graduate students and freshman make up half of the students who completed the survey. The high rate of new U-PASS members among these two groups greatly impacts the total percentage of students who are new U-PASS members.

Table 44: Percent New Members by Class Standing

	New User
Total	37%
Freshman	91%
Sophomore	9%
Junior	26%
Senior	3%
Graduate	40%
Professional	27%

Source: Respondent Data (Overall Weight)
Base: Students who are new members
*New member is defined as the first quarter that respondent has used U-PASS.

Table 45: Length of Time Had U-PASS

	Total	All Employees	Faculty	Staff	Students
New User	31%	16%	17%	16%	37%
1-2 Years	30%	14%	17%	12%	37%
3+ Years	38%	69%	65%	70%	25%

Source: Respondent Data (Overall Weight)
Base: Respondents with a U-PASS
Q25 How long have you had a U-PASS?

Faculty and staff can obtain a U-PASS along with a parking permit or through an outright purchase. Students pay for the U-PASS as part of their student fees or through an outright purchase.

Three-quarters of employees purchased their U-PASS.

- Sixteen percent (16%) received the U-PASS with their SOV parking permit.

Figure 24: Acquisition of U-PASS (Faculty and Staff)
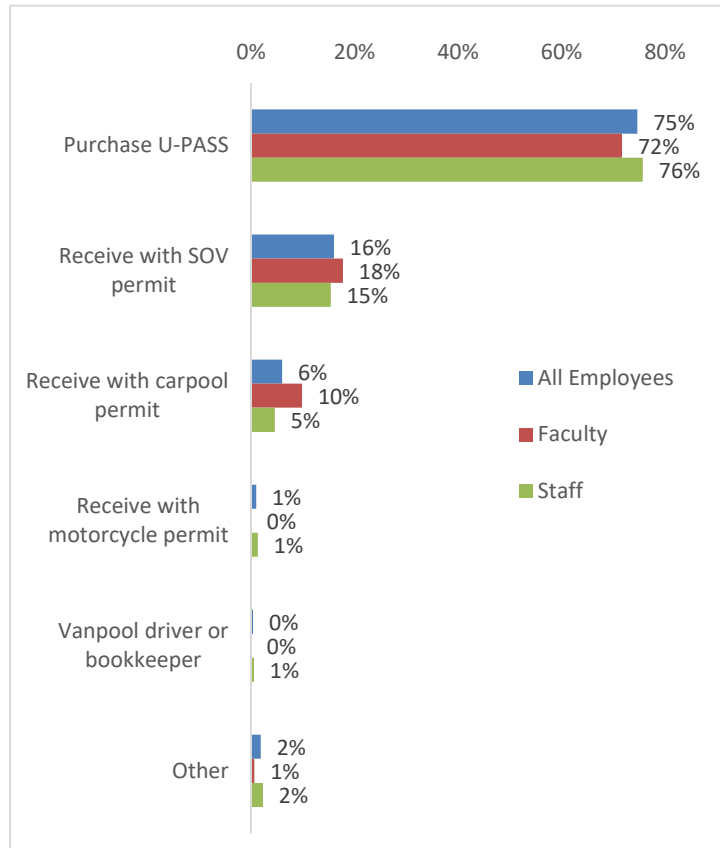
Source: Respondent Data (Employee Weight)
Base: Employees with a U-PASS
Q26A Did you purchase your U-PASS, receive a U-PASS with an SOV parking permit, a carpool parking permit, receive a motorcycle parking permit or because you are a vanpool driver or bookkeeper, or something else?

Table 46: Trends in Faculty / Staff U-PASS Acquisition

The percentage of faculty purchasing their U-PASS outright has increased significantly over the past year.

	2014	2015	2016
% Purchase			
All Employees	67%	70%	75%
Faculty	50%	57%	72%
Staff	73%	75%	76%
% Receive with Parking Permit*			
All Employees	30%	26%	23%
Faculty	49%	41%	28%
Staff	23%	20%	21%

Source: Respondent Data (Employee Weight) Base: Employees with a U-PASS
*Includes SOV, carpool, and motorcycle permit

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Using the U-PASS

As expected, the primary use of the U-PASS is for transportation.

Figure 25: Uses of U-PASS
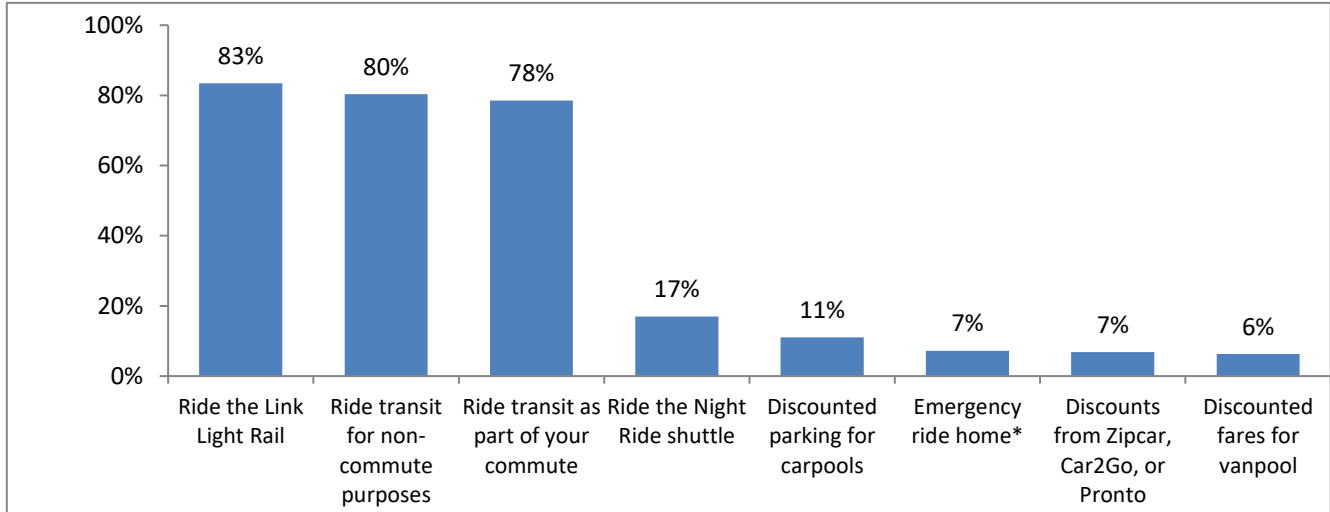
Source: Respondent Data (Overall Weight) Base: Respondents with a U-PASS
Q27: How often have you used your U-PASS to do each of the following?
* Emergency ride home program is available to faculty and staff only.
Includes Rarely, Sometimes, Frequently

Very few (4%) respondents have used the Commute Options Service.

Figure 26: Use of Commute Options Service
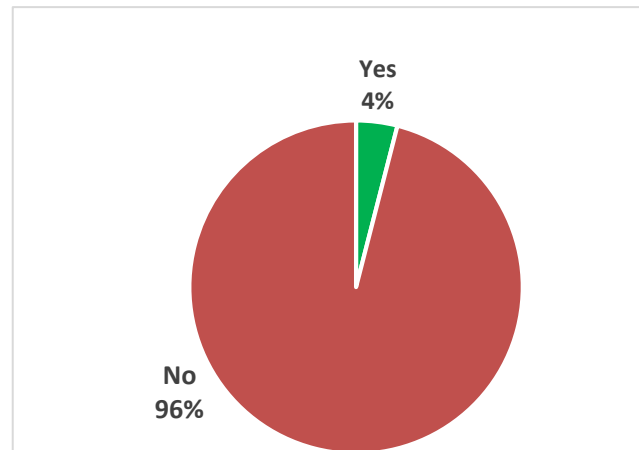
Source: Respondent Data (Overall Weight)
Base: Respondents with a U-PASS
Q27_B: Have you used the Commute Options Service to receive personalized commute assistance to campus?

There are various differences in the uses of the U-PASS based on segment.

- Staff are the least likely to use their U-PASS to ride Link Light Rail.
- Students are the least likely to ride the Night Ride Shuttle.
- Students use their U-PASS more frequently than employees for non-commute trips.

Table 47: Primary Uses of U-PASS by Segment

		Total	All Employees	Faculty	Staff	Students
Ride the Link Light Rail	Never	17%	20%	14%	23%	15%
	Rarely	22%	21%	19%	22%	22%
	Sometimes	35%	35%	41%	33%	36%
	Frequently	26%	24%	26%	23%	27%
Ride the Night Ride shuttle	Never	83%	96%	96%	97%	77%
	Rarely	12%	3%	3%	3%	16%
	Sometimes	3%	0%	1%	0%	5%
	Frequently	2%	0%	1%	0%	3%
Emergency ride home	Never	93%	93%	93%	93%	N/A
	Rarely	5%	5%	5%	5%	N/A
	Sometimes	2%	2%	2%	2%	N/A
	Frequently	0%	0%	0%	1%	N/A
Discounted parking for carpools	Never	89%	91%	90%	92%	88%
	Rarely	5%	4%	4%	5%	5%
	Sometimes	3%	1%	1%	2%	4%
	Frequently	3%	3%	5%	2%	3%
Discounted fares for vanpool	Never	94%	97%	99%	97%	92%
	Rarely	2%	1%	1%	1%	3%
	Sometimes	2%	0%	0%	0%	3%
	Frequently	2%	1%	0%	2%	2%
Ride transit as part of your commute	Never	22%	12%	12%	11%	26%
	Rarely	13%	10%	9%	10%	14%
	Sometimes	14%	13%	14%	12%	15%
	Frequently	52%	66%	64%	66%	45%
Ride transit for non-commute purposes	Never	20%	19%	18%	19%	20%
	Rarely	18%	25%	24%	25%	15%
	Sometimes	34%	37%	41%	36%	32%
	Frequently	28%	19%	18%	20%	32%
Discounts from Zipcar, Car2Go, or Pronto	Never	93%	93%	93%	93%	93%
	Rarely	4%	4%	3%	5%	4%
	Sometimes	2%	2%	3%	2%	2%
	Frequently	1%	1%	1%	1%	1%

Source: Respondent Data (Overall Weight) Base: Respondents with a U-PASS
Q27: How often have you used your U-PASS to do each of the following?
* Emergency ride home program is available to faculty and staff only.

Tapping U-PASS on Link Light Rail

Transit vehicles require riders to tap their U-PASS when boarding and, in the case of Link and Sounder, when boarding and deboarding. In the past, U-PASS members simply flashed their pass. A few questions were asked to determine the extent to which U-PASS members tapped their U-PASS on the ORCA reader.

Nearly all U-PASS members tapped their pass every time they boarded and departed from the Link Light Rail or the Sounder Train.

- Students are the most likely group to tap every time.

- Faculty are the least likely.

Table 48: Percent of U-PASS Members Who Tap Pass as They Board / Depart Link or Sounder

	Total	All Employees	Faculty	Staff	Students
% who tapped ORCA card getting on/off Link	90%	83%(-)	76%(-)	88%	93%(+)

Satisfaction with U-PASS Program

Nine out of ten U-PASS members are satisfied with the program. There are no differences in satisfaction across the different segments.

Satisfaction with the U-PASS program has remained high over the past several years.

Figure 27: Overall Satisfaction with the U-PASS Program
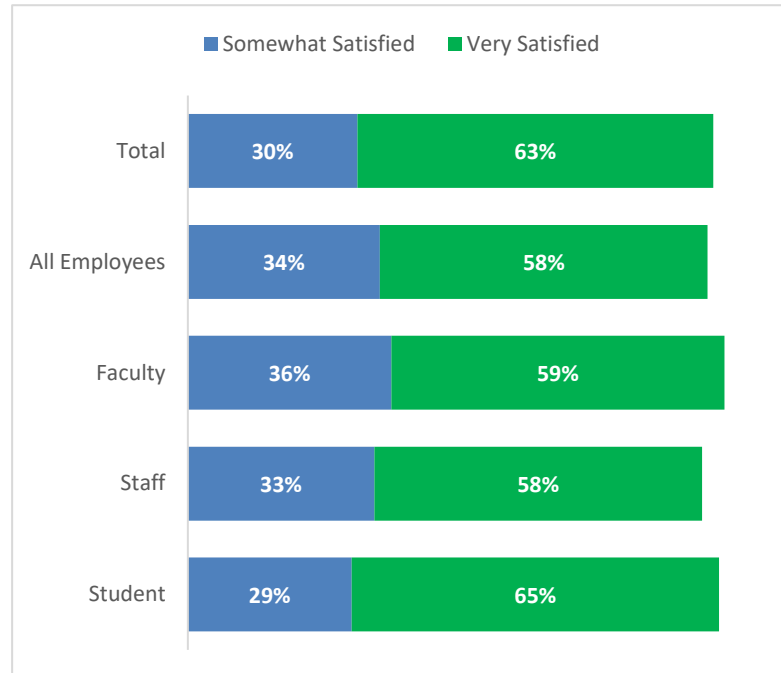
Table 49: Trends in Satisfaction with U-PASS

	2012	**2014**	**2015**	**2016**
Total Satisfied	90%	93%	93%	93%
Very Satisfied	*63%*	*61%*	*71%*	*63%*
Somewhat Satisfied	*27%*	*32%*	*22%*	*30%*
Dissatisfied	10%	7%	7%	7%

Source: Respondent Data (Overall Weight)
Base: Respondents with a Valid U-PASS
Q28A Overall, how satisfied are you with the U-PASS program

Source: Respondent Data (Overall Weight)
Base: Respondents with a Valid U-PASS
Q28A Overall, how satisfied are you with the U-PASS program

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Impact of U-PASS on Students

Four out of five students agree that the U-PASS makes it easier for them to attend classes at the university.

- This is particularly true for those who live off-campus.

Figure 28: Agreement / Disagreement that U-PASS Makes It Easier for Student to Attend Classes
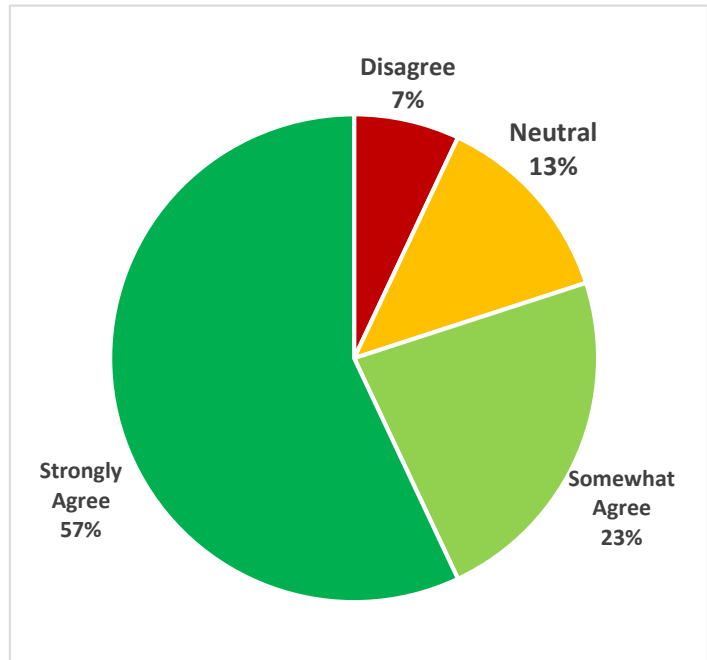
Source: Respondent Data (Overall Weight)
Base: Students with a Valid U-PASS
Q30: Do you agree or disagree that the U-PASS makes it easier for you to attend classes at the University of Washington?

U-PASS as Employee Benefit

Nearly four out of five employees agree that the U-PASS is a benefit of working at the University of Washington.

- There are no differences between faculty and staff.

Figure 29: Agreement / Disagreement that U-PASS is a benefit of working at the UW
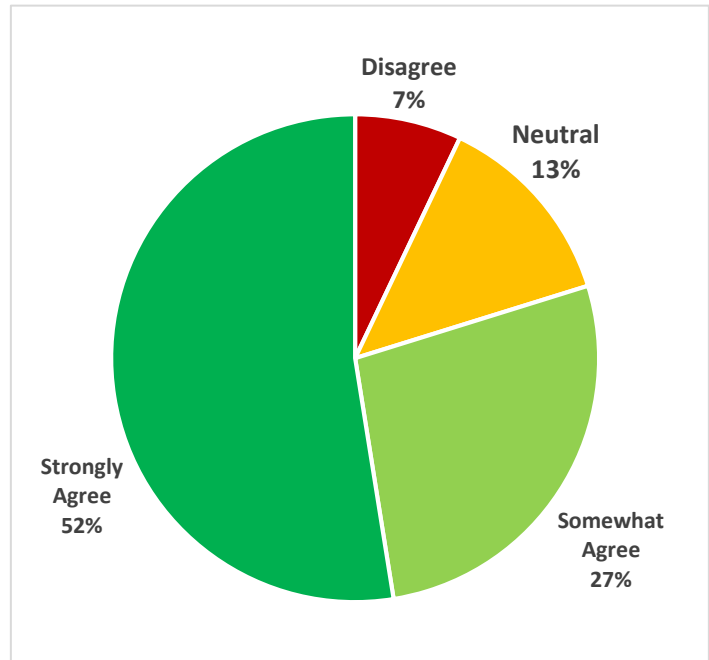
Source: Respondent Data (Employee Weight)
Base: Employees with a Valid U-PASS
Q31: Do you agree or disagree that the U-PASS is a benefit of working at the University of Washington?

U-PASS Non-Members

Just over half of all employees have had a U-pass in the past.

Nearly one-quarter of employees have never had nor would consider getting a U-PASS.

Only 14 out of the 604 students surveyed do not have a U-PASS so that data is not shown.

Figure 30: Past Use or Consideration of U-PASS
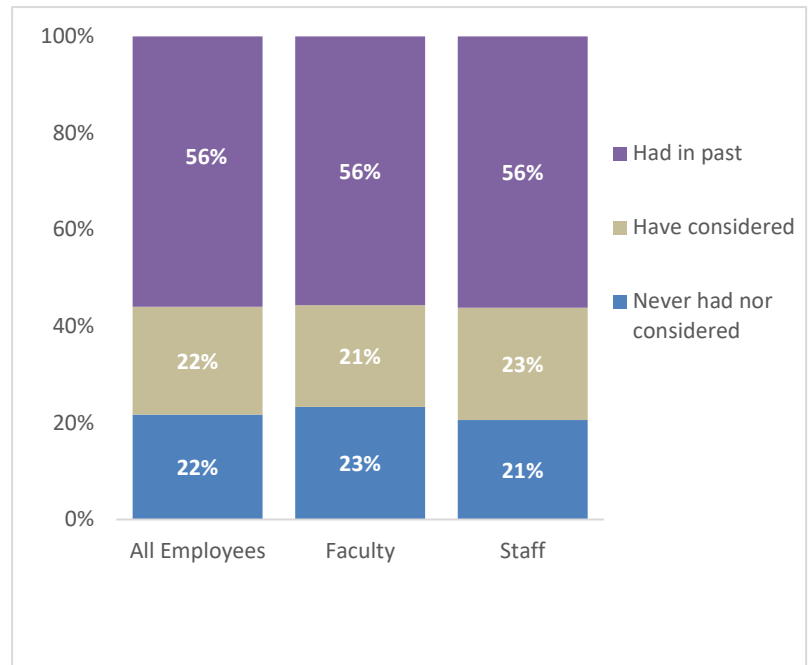
Source: Respondent Data (Overall Weight)
Base: Respondents WITHOUT a U-PASS
Q37: Have you ever had or considered having a U-PASS?

The majority of those who do not currently have a U-PASS indicate that they are unlikely to get a U-PASS in the future.

- One-in-five say they are "not at all likely" to get one.

Figure 31: Potential Acquisition of U-PASS
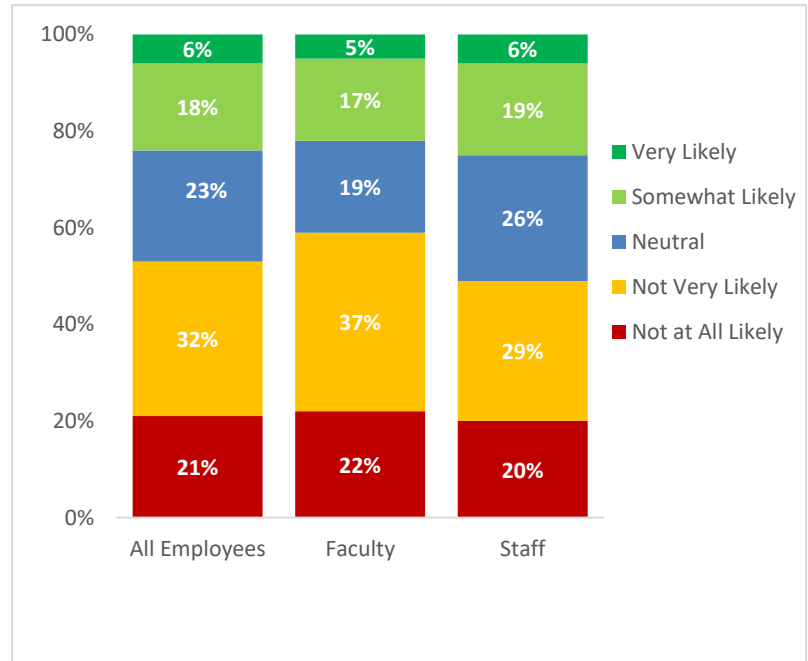
Source: Respondent Data (Overall Weight)
Base: Respondents WITHOUT a U-PASS
Q37: Have you ever had or considered having a U-PASS?

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Appendix I: Methodology and Questionnaire

Detailed Methodology

This survey was conducted via mixed modes–using a web-based survey and a computer-assisted telephone interviewing (CATI) methodology that mirrored the web survey. Staff, faculty, and students who did not have an e-mail address were streamed into the telephone survey. Those who were initially contacted via e-mail but did not complete the online survey within a week were contacted by telephone to complete the survey. This dual methodology was first adopted in the 2002 survey wave in an effort to obtain a higher response rate (50–55% is required) from faculty and staff for the State of Washington's Commute Trip Reduction measurements and to accommodate respondent requests from previous years.

The initial email offered a small incentive in the form of a $5 coffee card.

Data collection was conducted over an eight-week period to provide representative data of commute travel patterns throughout UW's fall quarter. In order to ensure that data was collected over the entire four-week period, the sample was introduced in successive batches, rolling the online sample to the telephone survey and inviting new sample elements to complete the online survey. Respondents were questioned about their travel during the previous 7 days. Data collection was completed by December 12, 2016.

Prior to data collection, UW sent an introductory email to all faculty members, staff, and students that had been randomly selected to complete the survey. The email introduced the survey and discussed the schedule and response options—telephone and online. The timing of the introductory email was approximately a few days before respondents received their personalized login code in their e-mail inbox. Awareness of the survey effort was also made known through the outreach materials listed below. Full text of the outreach materials is in Appendix V.

Outreach materials consisted of the following:

- UW e-mail notifications
- NWRG e-mail invitation and reminders
- FAQs for posting on websites, e-mailing to respondent, requests for additional information, etc.

Questionnaire

The questionnaire contained a variety of question formats, including closed single and multiple response questions for all categorical data. In situations where not all of the possible responses were known, an "other" category was included so the respondent's verbatim response could be recorded. These results were reviewed and, where appropriate, coded post-facto into the database. All attitude and evaluation questions used scaled response formats. Scales were typically four or five points in length. To prevent order bias, certain blocks of questions were rotated or randomized in both the online and telephone versions of the survey.

NWRG conducted a pretest of the telephone and online survey instruments with staff, faculty, and students from October 13 to October 14, 2016. Full-scale data collection for staff, faculty, and students ran between October 7 and December 12, 2016. Telephone interviewing was conducted during the weekday hours of 8 a.m. to 9 p.m., Saturdays from 9:00 a.m. to 7:00 p.m., and Sundays from 11:00 a.m. to 9:00 p.m.

A copy of the questionnaire is included in Appendix IV.

Sample Selection and Management

The UW provided two databases to NWRG for sampling: the student database and a database including all types of UW employees (staff and faculty), drawn from UW's payroll and personnel system.

The combined UW databases were stratified into three main groups—faculty, staff, and students. Because the sample was already designated (faculty, staff, and students) the only qualifying statement that respondents needed to verify was whether or not they worked or attended classes at a UW owned or leased building. Respondents were also asked to confirm their sample designation. This verification revealed a very close match with the sample information. Prior to data collection, an analysis of the student sample was conducted to ensure accurate representation of class standing within the student sample universe. After data collection was complete, class standing analysis was conducted to verify representative distribution of class standing for survey respondents and found that representation was fairly close (within +/-4% of actual class distribution).

Based on the desired quotas for each group, and limited by the state CTR response requirements, a random sample was drawn for each group. Historically, approximately 20% of the randomly selected sample has been disqualified from the survey—generally for not working or attending classes at the main University District campus in Seattle, WA. This was taken into account for the final sample pull of 3,750 sample elements (1,500 students, 1,500 staff, and 750 faculty).

Sample elements with e-mail addresses were initially contacted online, while those without e-mail addresses were contacted via telephone.

If the respondent did not complete the online survey during their time allotment, the sample record was transferred to the telephone interview sample. NWRG conducted telephone surveys between October 30 and December 12, 2016. Interviewers made up to five attempts to reach respondents by phone.

At the beginning of the interview, respondents were screened and identified as members of one of three groups—faculty, staff, or student. Respondents who did not qualify for the survey were immediately screened out. If a respondent was qualified to take the survey but was not available to be interviewed at the time the current call was placed, a callback interview was scheduled. Significant effort (including repeated callbacks) was made to reach the respondent at both the daytime work and the evening residence numbers. In addition, respondents with e-mail addresses who were not reached during the initial three waves were re-invited to complete the online survey in two additional online survey waves. These were simultaneous to the telephone follow-up efforts.

Table 50: Sample Dispositions

	Total	Faculty	Staff	Students
Total Sample Attempted	**3,750**	**750**	**1,500**	**1,500**
Completed Online Interviews	1,310	243	624	443
Completed Telephone Interviews	330	44	125	161
Total Completed Interviews	**1,640**	**287**	**749**	**604**
Telephone Sample Dispositions				
Total Telephone Sample Attempted	**1732**	**268**	**459**	**1005**
Unusable Sample	**342**	**76**	**90**	**176**
Business/Non-Working/Not UW/Other Screen Out/Bad Number/Caller ID Blocked/Did Not Ring/TriTone/Fastbusy/Failed/Line Is Silent	105	20	11	74
Targeted Respondent Not Available	237	56	79	102
Useable Sample	**990**	**147**	**275**	**568**
No Answer/Maximum Tries	440	62	138	240
Answering Machine	434	55	54	325
Records Not Dialed	113	30	83	0
Fast Busy Record Slated for Redial (Not Recalled)	3	0	0	3
Silent—No Interviewer Available When Dialer Called, Dialer Hung Itself Up—Record Slated for Redial (Not Recalled)	0	0	0	0
Usable Sample Contacted	**40**	**11**	**16**	**13**
Refusal	30	11	13	6
Mid-Terminate/Early Complete (Record Does Not Count)	10	0	3	7
Transfer to Web/Stopped	0	0	0	0
Willing to Cooperate	**143**	**19**	**37**	**87**
Communication Barrier	3	1	2	0
Agreed to Interview/Scheduled Callback	49	3	8	38
Transfer to Web	80	14	25	41
Respondent Stopped/Asked to be Called Back	11	1	2	8
Total Telephone Interviews Completed	**330**	**44**	**125**	**161**

NWRG completed a total of 1,640 interviews (for a full breakdown of interviews by group, number resulting from weighting process, and the margins of error for each group, see Table 10). This number of interviews allows for sufficient subgroup cell sizes when inferring statistical reliability. The data were then weighted to reflect the actual proportions of these groups in the overall UW population. This weighting process does not change the total sample size but does slightly increase the margin of error for the total weighted data combined.

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Appendix II: Sources for Previous Year Mode Share Data

Prior to 2012, the mode share data was calculated using a different methodology. The previous data files are either unavailable or do not contain the variable or calculation used to determine mode-share. The mode share numbers from 2002 through 2010 have been imported from the previous reports. The table below provides the table number from which the mode share data was imported for each of the previous years.

Table 51: Sources for Mode Share Data from 2002 to 2010

Year	Source
2002	Final Report—Table 13
2004	Final Report—Table 13
2006	Final Report—Table 18
2008	Final Report—Table 17
2010	Final Report—Table 21

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Appendix III: Sample Size Tables

Below is a table showing the sample sizes for each base throughout the report. Sample sizes are provided for unweighted counts as well as weighted counts for each weight. Unless specified, Weight is the default weight used throughout the report. ExpansionWt is used when results are projected to a total number (e.g., total number of weekly trips). When reporting percentages, there are no differences between Weight and ExpansionWt. EmployeeWt is only used when specifically looking at employees only or when comparing faculty to staff only. The use of EmployeeWt is noted during each instance.

Table 52: 2014 Sample Base Sizes

	Unweighted	Weighted by OVERALLWT	EXPANSIONWT	EMPLOYEEWT
All respondents	1,640	1,640	74,365	-
All employees	1,036	644	29,183	1,036
Faculty	287	205	9,298	330
Staff	749	439	19,885	706
Students	604	996	45,182	-
All respondents with U-PASS	1,260	1,382	62,672	666
All respondents w/o U-PASS	375	252	11,409	368
Employees with U-PASS	673	414	18,762	666
Students with U-PASS	587	968	43,910	-
New student U-Pass members	185	305	13,839	-
Primary trip mode is drive alone	379	277	12,580	335
Primary trip mode is carpool/vanpool	98	81	3,653	79
Carpool for any part of trip	158	142	6,426	117
Bike for any part of trip	162	151	6,842	121
Parked a bike on UW campus	125	123	5,560	89
Have a bicycle or biked for any part of trip	455	419	18,986	337
Service available from home to UW	1,361	1,229	55,981	983
Respondents who have used transit in the past 7 days	1,151	1,202	54,507	676
Respondents who have ridden Metro in the past 7 days	862	922	41,807	486
Respondents who took a trip on Sounder or Light Rail in past 7 days	561	610	27,680	723

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Appendix IV: 2014 Questionnaire

2016 UNIVERSITY OF WASHINGTON U-PASS / CTR SURVEY
NWRG Project Number: UWA_2016_U-PASS
DATE LAST MODIFIED: 10/06/2016

TEXT CONVENTIONS

BOLD, PURPLE TEXT DENOTES STYLE-GUIDE INSTRUCTIONS

RED TEXT DENOTES PROGRAMMING INSRUCTIONS

GREEN TEXT DENOTES INTERVIEWER INSTRUCTIONS

TEXT IN ALLCAPS IS NOT READ TO RESPONDENTS

Text in Red Highlight indicates deleted question / response

Text in Green highlight indicates new question / response

Text in Yellow highlight indicates question is still being considered in conjunction with the client

WEB PROGRAMMING INSTRUCTIONS

Do not show "DON'T KNOW" or "PREFER NOT TO ANSWER" response options unless respondent attempts to skip question

Show "PREFER NOT TO ANSWER" instead of "REFUSED"

Show "unread" response options, and use Sentence Case (Capitalize first letter of word / phrase only)

Rating scales must be shown in the format below

	Much Worse Than Other Communities										Much Better Than Other Communities
	0	1	2	3	4	5	6	7	8	9	10
Easy to get around by car	○	○	○	○	○	○	○	○	○	○	○
Public transportation available to where I need to go	○	○	○	○	○	○	○	○	○	○	○

SECTION HEADER INSTRUCTIONS
[BASE: LIST THE BASE FOR THE SECTION – IS IT ALL RESPONDENTS OR A SUBSECTION OF RESPONDENTS?]
[PROGRAMMING: SECTION FOR TIMING] – MOST SECTIONS SHOULD HAVE A NEW SECTION FOR TIMING

SAMPLE PLAN

SEE THE PROJECT WORK PLAN FOR QUOTA INSTRUCTIONS

RESPONSE OPTION NUMBERING

"OTHER (SPECIFY)" RESPONSES: SHOULD BE 888.
"DON'T KNOW" RESPONSES: SHOULD BE 998.
"REFUSED / PREFER NOT TO ANSWER" RESPONES: SHOULD BE 999.

FOR "YES / NO" QUESTIONS: "YES" SHOULD BE 01; "NO" SHOULD BE 00

SCALE QUESTIONS SHOULD ALWAYS GO LOW TO HIGH WHERE THE LOW NUMBER INDICATES A LOWER LEVEL OF SATISFACTION / AGREEMENT, ETC., AND THE HIGHER NUMBER INDICATES A HIGHER LEVEL OF SATISFACTION /AGREEMENT, ETC. WHEN SHOWN ON A SCREEN, THE LOWER LEVEL SHOULD BE SHOWN ON THE LEFT SIDE AND THE HIGHER NUMBER ON THE RIGHT SIDE.

PHONE INTRODUCTION **[BASE: INCOMING/WEB RESPONDENTS]** **[PROGRAMMING: SECTION FOR TIMING]**

[DISPLAY FOR PHONE ONLY]
IsCallin
(DO NOT READ) INTERVIEWER: Did this respondent call-in to do the survey?

IF YOU ARE NOT SURE, CODE "NO" BELOW.

    01   Yes, respondent called in
    02   No, regular outbound dialing **[DEFAULT SELECTION]**

(ASK TO SPEAK TO INSERT PARTICIPANT NAME)

Hello, my name is ____, calling from [**contractor**]. The University of Washington recently sent you an email mentioning that we would be contacting you about an important study that provides information on how students, faculty and staff commute to campus. You were randomly selected to participate in the research effort. I can assure you that your responses will be kept confidential and only used in aggregate with others participating in this study.

IF MORE INFORMATION NEEDED:

The information gathered in this study will be used to help improve transportation in and around the University District. Additionally, it provides data to help the University meet State and City regulatory requirements.

This important survey. . .

1. Provides information on travel behavior that the University uses for long-range development plans.

2. Provides data required by the State of Washington's Commute Trip Reduction Law. Major employers are required by this law to provide data on their employees commuting choices as determined by the survey. (http://www.wsdot.wa.gov/Transit/CTR/overview.htm)

3. Provides important information on the effectiveness of the University's transportation programs and potential program improvements.

If you have program or general questions, please contact Zachary Howard, the UW Commute Options Transit Program Specialist at znhoward@uw.edu or (206) 616-6087.

If you have technical survey questions, please contact Nathan Wiggin, the project director at Northwest Research Group at nwiggin@nwresearchgroup.com or (206) 489-2363.

IF RESPONDENT REFUSES OR SAYS THEY ARE TOO BUSY, TRY TO SEND THEM BACK TO THE ONLINE SURVEY. ASK TO CONFIRM THEIR E-MAIL ADDRESS OR IF WE DON'T HAVE EMAIL ADDRESS REQUEST IT AND SEND IMMEDIATE INVITATION.

WEB INTRODUCTION
[BASE: INCOMING/WEB RESPONDENTS]
[PROGRAMMING: SECTION FOR TIMING]

Thank you for agreeing to participate in this important study for the University of Washington. The information gathered in this study will be used to help improve transportation in and around the U-District. Additionally, it provides data to help the University meet State and City regulatory requirements. You have been randomly selected to participate in the research effort and all of your responses will be kept confidential and only used in aggregate with others participating in this study.

This important survey. . .

1. Provides information on travel behavior that the University uses for long-range development plans.

2. Provides data required by the State of Washington's Commute Trip Reduction Law. Major employers are required, by this law, to provide data on their employees' commuting choices as determined by the survey. (http://www.wsdot.wa.gov/Transit/CTR/overview.htm)

3. Provides important information on the effectiveness of the University's U-PASS program and potential program improvements.

If you have program or general questions, please contact Zachary Howard, Transit Program Operations Specialist at znhoward@uw.edu or (206) 616-6087.

If you have technical survey questions, please contact Nathan Wiggin, the project director at Northwest Research Group at nwiggin@nwresearchgroup.com or (206) 489-2363.

	SCREENER **[BASE: ALL RESPONDENTS]** **[PROGRAMMING: SECTION FOR TIMING]**

S1   Are you **currently**. . .

    [WEB NOTATION] *(Select all that apply)*
    [PHONE NOTATION] **(READ LIST. SELECT ALL THAT APPLY)**

       01   Enrolled as a student (Fall Quarter 2016)
       02   Employed as a faculty member
       03   Employed as a staff member
      997   None of the above **[MUTUALLY EXCLUSIVE]**
      998   **[PHONE NOTATION: (DO NOT READ)]** Don't know **[MUTUALLY EXCLUSIVE]**
      999   **[PHONE NOTATION: (DO NOT READ)]** Prefer not to answer **[MUTUALLY EXCLUSIVE]**

    IF S1 EQ 997, 998, 999 THANK AND CONCLUDE
    IF MULTIPLE RESPONSES GIVEN TO S1 ASK S1A

[ASK IF MULTIPLE RESPONSES GIVEN TO S1; DISPLAY OPTIONS SELECTED AT S1 AS WELL AS 997/998/999]
S1A   Are the majority of your hours spent as a. . .

    [WEB NOTATION] *(Select all that apply)*
    [PHONE NOTATION] **(READ LIST. SELECT ALL THAT APPLY)**

       01   Student (Fall Quarter 2016)
       02   Faculty member
       03   Staff member
      997   None of the above **[MUTUALLY EXCLUSIVE]**
      998   **[PHONE NOTATION: (DO NOT READ)]** Don't know **[MUTUALLY EXCLUSIVE]**
      999   **[PHONE NOTATION: (DO NOT READ)]** Prefer not to answer **[MUTUALLY EXCLUSIVE]**

[ASK IF MULTIPLE RESPONSES GIVEN TO S1A; DISPLAY OPTIONS SELECTED AT S1A AS WELL AS 997/998/999]
S1B   Do you primarily consider yourself a…

    [PHONE NOTATION] **(READ LIST.)**

      01   Student (Fall Quarter 2016)
       02   Faculty member
       03   Staff member
      997   None of the above
      998   **[PHONE NOTATION: (DO NOT READ)]** Don't know
      999   **[PHONE NOTATION: (DO NOT READ)]** Prefer not to answer

    IF S1A OR S1B EQ 997, 998, 999THANK AND CONCLUDE

    IF MULTIPLE RESPONSES GIVEN TO S1B THANK AND CONCLUDE

    CREATE VARIABLE: TYPE
    01 = STUDENT (S1 EQ 01 ONLY) OR (S1A=01 ONLY) OR (S1B=01)
    02 = FACULTY (S1 EQ 02 ONLY) OR (S1A=02 ONLY) OR (S1B=02)
    03 = STAFF (S1 EQ 03 ONLY) OR (S1A=03 ONLY) OR (S1B=03)

IF TYPE EQ 01: RESTORE [ATTEND CLASSES OR OTHER SPECIFIED WORDING] WHERE SPECIFIED
IF TYPE EQ 02 OR 03: RESTORE [WORK] WHERE SPECIFED

CREATE VARIABLE: TYPE_GROUP
01 = STUDENT (TYPE=1)
02 = FACULTY/STAFF (TYPE=2 OR TYPE=3)

SHOW INT_STUDENT IF TYPE=1

IF TYPE=2 OR TYPE=3 SKIP TO S2

INT_STUDENT This survey is interested in travel made to campus for any reason associated with your status as a student. This could include attending classes, studying, group projects, or academic employment such as teaching or research. For simplicity's sake, the term "attend classes" will be used to cover all of these activities.

S2   Do you **[**work **/** attend classes**]** on the Seattle campus or in a UW owned or leased building in the University District?

[MUTLI-SELECT: ALLOW 01/02 TO BE SELECTED IN COMBINATION]
    00   No, neither **[MUTUALLY EXCLUSIVE]**
    01   Yes, on Seattle campus
    02   Yes, in the University District
    998   **[PHONE NOTATION: (DO NOT READ)]** Don't know **[MUTUALLY EXCLUSIVE]**
    999   **[PHONE NOTATION: (DO NOT READ)]** Prefer not to answer **[MUTUALLY EXCLUSIVE]**

IF S2 EQ 01, 02 CONTINUE
IF S2 EQ 00, 998, 999 THANK AND CONCLUDE
IF S2=00 THANK AND CONCLUDE TEXT "That is all the information we need from you today"

ASK S3 AND S3A IF TYPE EQ 02 OR 03

S3   Are you employed…?
[PHONE NOTATION] (READ LIST)
    01   Full-time (35 hours or more per week)
    02   Part-time (20 to 34 hours per week)
    03   Part-time (less than 20 hours per week)
    888   Something else **(please describe) [FORCE SPECIFY]**
    998   **[PHONE NOTATION: (DO NOT READ)]** Don't know
    999   **[PHONE NOTATION: (DO NOT READ)]** Prefer not to answer
IF S3 EQ 998, 999 THANK AND CONCLUDE

S3A   Is your position intended to last 12 months or more?

        00   No
        01   Yes
        998   **[PHONE NOTATION: (DO NOT READ)]** Don't know
        999   **[PHONE NOTATION: (DO NOT READ)]** Prefer not to answer

ASK S4 IF TYPE EQ 01

S4   How many credits are you currently registered for this quarter?

    ___ Number of credits, if more than 30 enter '30' **[RANGE 0 - 30]**

        998   **[PHONE NOTATION: (DO NOT READ)]** Don't know
        999   **[PHONE NOTATION: (DO NOT READ)]** Prefer not to answer

[ASK S4A IF S4=998/999]

S4A   Are you a full-time or part-time student?
        01   Full time
        02   Part time
        998   **[PHONE NOTATION: (DO NOT READ)]** Don't know
        999   **[PHONE NOTATION: (DO NOT READ)]** Prefer not to answer

ASK S4B IF S4=0 OR S4A=998/999

CREATE VARIABLE: FT_STD

01 = PART TIME [S4 < 10 (and not 998/999) OR S4A=02]
02 = FULL TIME [S4 >= 10 (and not 998/999) OR S4A=01]

GENERAL TRAVEL
[BASE: ALL RESPONDENTS]
[PROGRAMMING: SECTION FOR TIMING]

Q4   What is the zip code associated with your current residence **[IF S1 EQUALS 01 SHOW** "while attending the UW"]?

    _____ Zip Code
        998   **[PHONE NOTATION: (DO NOT READ)]** Don't know
        999   **[PHONE NOTATION: (DO NOT READ)]** Prefer not to answer
    [ZIP CODE MUST START WITH '98'. IF ZIP CODE IS INVALID DISPLAY, "This is not a Washington zip code. What is the **Washington** zip code associated with your current residence while attending class at the University of Washington.**"]**

Q4A   Do you live in…

[PHONE NOTATION] (READ LIST)

01   UW housing, on campus
02   UW housing, off campus
03   A fraternity or sorority
04   Non-UW housing
888   Something else **(please describe) [FORCE SPECIFY]**
998   **[PHONE NOTATION: (DO NOT READ)]** Don't know
999   **[PHONE NOTATION: (DO NOT READ)]** Prefer not to answer

Q5A   How many miles is it from where you live to the UW main campus? Your best estimate is fine.

[PHONE NOTATION: (INTERVIEWER)] You may use whole and partial numbers by using a decimal point. For example if **[PHONE:** they **/ WEB:** you**]** live a half mile away, enter .5.

___   Number of miles. If greater than 90, enter 90. **[RANGE 0.1 TO 90]**
998   **[PHONE NOTATION: (DO NOT READ)]** Don't know
999   **[PHONE NOTATION: (DO NOT READ)]** Prefer not to answer

[PHONE NOTATION: (INTERVIEWER – IF RESPONDENT IS HAVING A TOUGH TIME)] What are your cross streets, I can look up the mileage for you.

[WEB DISPLAY: If not sure, please use the link below to calculate the mileage. The link is in no way connected to the survey, we will not have any access to what you type into the address field in Google Maps. It will just give you an accurate mileage number to type into the survey**]**

[GOOGLE LINK TO POP OPEN IN NEW TAB/WINDOW:
https://www.google.com/maps/dir//47.6559845,-122.3092919/@47.6581308,-122.3147636,16z]

Q5A1   To what extent did your options for commuting to the UW influence your choice of where you live?

[PHONE TEXT] Was it… **(READ LIST)**

01   Not a consideration at all
02   Somewhat of a consideration
03   Major consideration
998   **[PHONE NOTATION: (DO NOT READ)]** Don't know
999   **[PHONE NOTATION: (DO NOT READ)]** Prefer not to answer

[DISPLAY OPTION 997 FROM THE GET-GO FOR WEB RESPONDENTS]

Q5B   Which of the following best describes the bus or rail service available from where you live to the UW?

[PHONE NOTATION] (READ LIST)

- 00   No service available
- 01   There is direct service from where you live to the UW
- 02   There is service available from where you live to the UW but requires transferring
- 03   There is direct service available from a park-and-ride lot to the UW
- 997   **[PHONE NOTATION: (DO NOT READ)]** I live on/near campus
- 998   **[PHONE NOTATION: (DO NOT READ)]** Don't know
- 999   **[PHONE NOTATION: (DO NOT READ)]** Prefer not to answer

ASK Q5D IF Q5B EQUALS 01, 02, OR 03

Q5D   How well does the transit service from where you live to the UW meet your needs and expectations for each of the following?

[PHONE TEXT] (READ EACH ITEM THEN REPEAT SCALE AS NECESSARY: Does it not meet needs and expectations, meet needs and expectations, or exceed needs and expectations?**)**

	Does Not Meet Needs and Expectations	Meets Needs and Expectations	Exceeds Needs and Expectations	**[PN: (DO NOT READ)]** Don't Know	**[PN: (DO NOT READ)]** Prefer Not to Answer
Frequency of Service	○	○	○	○	○
# of Transfers Required	○	○	○	○	○
Travel Time	○	○	○	○	○
Cost	○	○	○	○	○
Reliability (on-time)	○	○	○	○	○
Perception of safety	○	○	○	○	○
Availability of seats	○	○	○	○	○

Q7 Do you personally have any of the following regularly available for your commute?
[WEB NOTATION] *(Select all that apply)*

[PHONE NOTATION] (READ LIST. SELECT ALL THAT APPLY)

  01 Car or truck
  02 Motorcycle or scooter
  03 Bicycle
  97 None of the above **[MUTUALLY EXCLUSIVE]**
  998 **[PHONE NOTATION: (DO NOT READ)]** Don't know **[MUTUALLY EXCLUSIVE]**
  999 **[PHONE NOTATION: (DO NOT READ)]** Prefer not to answer **[MUTUALLY EXCLUSIVE]**

CTR TRAVEL BEHAVIOR
[BASE: ALL RESPONDENTS]
[PROGRAMMING: SECTION FOR TIMING]

Base grid based on the day of the week respondent starts the survey
Include current day if respondent starts survey after 6:00 p.m. (Pacific Time Zone).
Otherwise grid would start with Current Day – 1.

Q9A   Which of the following days did you <u>physically</u> **[**work **/** attend classes**]** at the UW main campus or in the U District?

[PHONE NOTATION] **(READ LIST AND SELECT EACH DAY THE RESPONDENT INDICATES)**

[INCLUDE AN OPTION FOR: "[PHONE NOTATION (DO NOT READ)] I did not work/attend classes at the UW or in the U District in the past week**"** **THAT SKIPS OUT TO Q24]**

SHOW LIST STARTING WITH CURRENT DATE IF RESPONDENT STARTS SURVEY AFTER 6:00 P.M. (PACIFIC).
HEADINGS FOR GRID SHOULD BE DAY AND DATE

CURRENT DAY OR YESTERDAY	START DAY - 1	START DAY -2	START DAY -3	START DAY -4	START DAY -5	START DAY -6
❍	❍	❍	❍	❍	❍	❍

996   **[PHONE NOTATION: (DO NOT READ)]** I telecommuted to the UW or the University district each day that I worked during the past week
997   **[PHONE NOTATION: (DO NOT READ)]** I did not commute to UW or the University district during the past week
998   **[PHONE NOTATION: (DO NOT READ)]** Don't know
999   **[PHONE NOTATION: (DO NOT READ)]** Prefer not to answer

IF Q9A=996 OR 997 OR 998 OR 999 SKIP TO Q9F

FOR Q9B AND Q9C USE SAME GRID BUT ONLY SHOW RADIO BUTTON FOR APPLICABLE DAYS.
Q9B AND Q9C SHOULD BE SHOWN ON THE SAME SCREENSHOW Q9B AND Q9C ON SAME SCREEN

IF Q4A EQUALS 01 (STUDENT LIVING ON CAMPUS), SKIP TO Q10A

University of Washington 2016 Transportation Study
Date: January 2017

Q9B **[WEB TEXT]** What time did you **arrive** on campus on each of the days below? Enter the time and then check AM or PM (e.g. 8:30 AM).

[PHONE TEXT] What time did you **arrive** on campus on…

[PHONE NOTATION: (READ IF NECESSARY)] Your best estimate is fine.

[PHONE NOTATION] (READ EACH DAY LISTED AND ENTER ACTUAL TIME IN STANDARD FORMAT/WITH A COLON (E.G, 8:30) AND THEN CHECK EITHER A.M. OR P.M.)

[ADJUST SO THAT RESPONDENT TYPES IN TIME, THEN SELECTS AM/PM CHECKBOX. ALLOW FIELDS TO BE LEFT BLANK.]

	CURRENT DAY OR YESTERDAY	START DAY - 1	START DAY -2	START DAY -3	START DAY -4	START DAY -5	START DAY -6
ENTER TIME	__:__	__:__	__:__	__:__	__:__	__:__	__:__
A.M.	○	○	○	○	○	○	○
P.M.	○	○	○	○	○	○	○

Q9C **[WEB TEXT]** What time did you **leave** campus on each of the days below? Enter the time and then check AM or PM (e.g. 8:30 AM).

[PHONE TEXT] What time did you **leave** campus on…

[PHONE NOTATION: (READ IF NECESSARY)] Your best estimate is fine.

[PHONE NOTATION] (READ EACH DAY LISTED AND ENTER ACTUAL TIME IN STANDARD FORMAT/WITH A COLON (E.G, 8:30) AND THEN CHECK EITHER A.M. OR P.M.)

[ADJUST SO THAT RESPONDENT TYPES IN TIME, THEN SELECTS AM/PM CHECKBOX. ALLOW FIELDS TO BE LEFT BLANK.]

[ADJUST SO THAT RESPONDENT TYPES IN TIME, THEN SELECTS AM/PM CHECKBOX. ALLOW FIELDS TO BE LEFT BLANK.]

	CURRENT DAY OR YESTERDAY	START DAY - 1	START DAY -2	START DAY -3	START DAY -4	START DAY -5	START DAY -6
ENTER TIME	__:__	__:__	__:__	__:__	__:__	__:__	__:__
A.M.	○	○	○	○	○	○	○
P.M.	○	○	○	○	○	○	○

Q9D Did your time **[WORKING / ATTENDING CLASS]** on campus extend past midnight on any day last week?

> 00 No
> 01 Yes
> 998 **[PHONE NOTATION: (DO NOT READ)]** Don't know
> 999 **[PHONE NOTATION: (DO NOT READ)]** Prefer not to answer

[ASK Q9E IF Q9D=1 (YES)]

Q9E On which days did you stay past midnight?

[INTERVIEWER NOT] read list and select each day the respondent indicates

[WEB DISPLAY] Select the day that you arrived on campus before midnight to indicate you stayed past midnight that evening…

[ONLY DISPLAY DAYS SELECTED IN Q9A, MULTIPLE SELECT]

CURRENT DAY OR YESTERDAY	START DAY - 1	START DAY -2	START DAY -3	START DAY -4	START DAY -5	START DAY -6
❍	❍	❍	❍	❍	❍	❍

DISPLAY Q9F IF ANY DAY WAS NOT SELECTED IN Q9A

Q9F You indicated, that you did **not** **[WORK / ATTEND CLASSES]** at the UW campus or in the University District on the following days. Did you telecommute or **[WORK / ATTEND CLASSES]** from a remote location for any of these days?

[INTERVIEWER NOTE] Read each of the days and check which ones the respondent indicates he/she telecommuted

[WEB DISPLAY] Check each day that you did not travel to the UW campus or the University district but did telecommute

[ONLY DISPLAY DAYS NOT SELECTED IN Q9A, MULTIPLE SELECT]

CURRENT DAY OR YESTERDAY	START DAY - 1	START DAY -2	START DAY -3	START DAY -4	START DAY -5	START DAY -6
❍	❍	❍	❍	❍	❍	❍

> 997 **[PHONE NOTATION: (DO NOT READ)]** I did not telecommute to UW or the University district during the past week
> 998 **[PHONE NOTATION: (DO NOT READ)]** Don't know
> 999 **[PHONE NOTATION: (DO NOT READ)]** Prefer not to answer

IF Q9A=996 OR 997 OR 998 OR 999 SKIP TO Q24 after they answer Q9F

Q10 SERIES ASKED FOR EACH DAY RESPONDENT RECORDS TRAVELING TO CAMPUS FOR WORK / TO ATTEND SCHOOL (FROM Q9A)

REPEAT Q10A THROUGH Q10D.

SHOW FIRST THREE PARAGRAPHS FOR FIRST QUESTION SERIES ONLY.

PROGRAMMING: FOR EACH DAY SELECTED IN Q9F AUTOCODE THE Q10A SERIES AS "TELECOMMUTE"

IF Q9A=996 (TELECOMMUTED ALL DAYS) SKIP DOWN TO Q15 AND AUTOCODE EACH Q10A SERIES AS "TELECOMMUTE"

Q10_INT   For the next few questions, think about how you traveled to the UW campus/ University District in the previous week. You will be asked to describe your commute for each day you went to campus. Your trip may have been very straightforward, like walking to campus, or you may have used a number of different types of transportation. For these questions think of all the different ways you traveled as a "leg" of each day's commute.

[WEB DISPLAY / INTERVIEWER INSTRUCTION] The final leg will be "Trip Finished".

[WEB DISPLAY / EXAMPLES FOR INTERVIEWERS AS NEEDED]
For example, a person who walks all the way from home to campus would select:

      Leg 1: Walk

      Leg 2: Trip finished

For example, a person with a more complex commute might choose the following:
      Leg 1: Drive alone
      Leg 2: Link light rail
      Leg 3: Metro bus
      Leg 4: Walk

      Leg 5: Trip finished

Q10A   Thinking about your travel **from where you live to the UW** on [RESTORE CURRENT OR MOST RECENT DAY TRAVELED TO CAMPUS], how did you get to [work / class]?

[WEB TEXT] If you used more than one type of transportation, please list each type you used in the order of your trip, starting from where you live until you reached your destination.

[WEB TEXT: DISPLAY IF Q4A=1] If you live on campus, please list how you get from your home to where you work/attend class on campus.

[PHONE TEXT: DISPLAY IF Q4A=1] How do you get from where you live to where you need to go on campus?

[PHONE TEXT] (IF RESPONDENT USED MORE THAN ONE TYPE, READ:) If you used more than one type, please tell me about each type you used in the order of your trip, starting from where you live until you reached your destination.

[PHONE TEXT: (AFTER EACH LEG/RESPONSE, ASK) Did you use any other method of transportation to get to campus?" (IF YES, ASK WHICH ONE. IF NO, SELECT "NO OTHER SYSTEMS")]

[PROGRAMMING, HERE IS AN EXAMPLE OF WHAT TRAVEL COULD LOOK LIKE:]

Leg1	Leg 2	Leg 3	Leg 4	Leg 5-10
✖ Drove Alone	✖ Trip finished			
✖ Walked	✖ Bus	✖ Walked	✖ Trip finished	
✖ Bicycled	✖ Link Light Rail	✖ Bus	✖ Walked	✖ Trip finished
✖ Drove Alone (to a Park and Ride Lot)	✖ Bus	✖ Walked	✖ Trip finished	
✖ Walked	✖ Trip finished			

What type of transportation did you use for the **[first, second, etc.]** part of your commute to the UW? **[PHONE NOTATION] (CLARIFY FROM THE LIST AS NEEDED. DO NOT READ LIST UNLESS RESPONDENT SAYS DON'T KNOW)**	Leg 1	Leg 2. . .	Last Leg
Trip Finished **[SHOWN FOR LEG 2 AND ONWARDS]**		❍	❍
Drove alone (or with children under 16)	❍	❍	❍
Carpooled (2 or more people) **[ASK IF CARPOOL]** Including yourself, how many people 16 and older were in your carpool? **[REQUIRE A RESPONSE GE 1]**	❍ ___	❍ ___	❍ ___
Vanpooled **[ASK IF VANPOOL]** Including yourself, how many people 16 and older were in your vanpool? **[REQUIRE A RESPONSE GE 1]**	❍ ___	❍ ___	❍ ___
Motorcycle / Moped / Scooter **[ASK IF MOTORCYCLE]** Including yourself, how many people 16 and older were on the motorcycle/moped/scooter?" **[REQUIRE A RESPONSE GE 1]**	❍ ___	❍ ___	❍ ___
Bus **[ASK IF TOOK BUS]** Which bus system did you ride? **[PHONE NOTATION] (READ LIST IF NECESSARY)** King County Metro Sound Transit Community Transit Everett Transit Pierce Transit Kitsap Transit Other bus system (specify) **[PHONE NOTATION: (DO NOT READ)]** Bus System Unknown	❍ ❍ ❍ ❍ ❍ ❍ ❍ ❍ 99	❍ ❍ ❍ ❍ ❍ ❍ ❍ ❍ 99	❍ ❍ ❍ ❍ ❍ ❍ ❍ ❍ 99
Link Light Rail **[ASK IF USED LINK]** At which station did you **board** the Link? **[PHONE NOTATION] (READ LIST IF NECESSARY)** SeaTac Airport Tukwila / International Blvd Rainier Beach Othello Columbia City Mount Baker Beacon Hill SODO Stadium International District / Chinatown Pioneer Square University Street	❍ ❍ ❍ ❍ ❍ ❍ ❍ ❍ ❍ ❍ ❍ ❍ ❍	❍ ❍ ❍ ❍ ❍ ❍ ❍ ❍ ❍ ❍ ❍ ❍ ❍	❍ ❍ ❍ ❍ ❍ ❍ ❍ ❍ ❍ ❍ ❍ ❍ ❍

Westlake	❍	❍	❍
Capitol Hill	❍	❍	❍
University of Washington	❍	❍	❍

At which station did you **get off** the Link?

[PHONE NOTATION] (READ LIST IF NECESSARY)

SeaTac Airport	❍	❍	❍
Tukwila / International Blvd	❍	❍	❍
Rainier Beach	❍	❍	❍
Othello	❍	❍	❍
Columbia City	❍	❍	❍
Mount Baker	❍	❍	❍
Beacon Hill	❍	❍	❍
SODO	❍	❍	❍
Stadium	❍	❍	❍
International District / Chinatown	❍	❍	❍
Pioneer Square	❍	❍	❍
University Street	❍	❍	❍
Westlake	❍	❍	❍
Capitol Hill	❍	❍	❍
University of Washington	❍	❍	❍
Seattle Streetcar	❍	❍	❍
King County Water Taxi	❍	❍	❍
Sounder Commuter Rail	❍	❍	❍
Washington State Ferries	❍	❍	❍
Bicycled	❍	❍	❍
Walked	❍	❍	❍
Health Sciences Express Shuttle	❍	❍	❍
DO NOT DISPLAY: Telecommute			
Other **(please describe)** **[FORCE SPECIFY IF SELECTED]**	❍	❍	❍

COMPUTE / STORE VARIABLE: NUMLEGS. THIS IS THE NUMBER OF LEGS USED TO GET TO CAMPUS.
COMPUTE THIS VARIABLE EACH TIME THE PARTICIPANT GOES THROUGH THE Q10A SERIES.

ASK Q10B IF NUMLEGS > 1
IF NUMLEGS=1, AUTOCODE LEG FROM Q10A AT Q10B.
DISPLAY ONLY THE MODES SELECTED IN Q10A

Q10B   Which part of your trip covered the longest distance, based on miles traveled?

[PHONE NOTATION] (READ LIST)
[DISPLAY ON THE MODES SELECTED IN Q10A]

01   Alone in car (or with children under 16)
02   Carpool
03   Vanpool
04   Motorcycle/Moped/Scooter
05   King County Metro bus
06   Sound Transit Express bus
07   Community Transit
08   Everett Transit
09   Pierce Transit
10   Kitsap Transit
11   Other bus
12   Link Light Rail
13   Seattle Streetcar
14   King County Water Taxi
15   Sounder Commuter Rail
16   Washington State Ferries
17   Bicycle
18   Walk
19   Health Sciences Express Shuttle
20   **[PHONE NOTATION: (DO NOT READ)]** Telecommute / Telework
888   Other **(please describe) [FORCE SPECIFY]**
998   **[PHONE NOTATION: (DO NOT READ)]** Don't know
999   **[PHONE NOTATION: (DO NOT READ)]** Prefer not to answer

IF Q10A=TELECOMMUTE SKIP Q10C AND Q10D

Q10C   How long in minutes did your entire commute take from leaving your home to arriving at your final UW destination?

[PHONE NOTATION] (IF DON'T KNOW PROMPT WITH: Please give us your best estimate.**)**

___   Number of minutes **[RANGE 0 TO 180]**
998   **[PHONE NOTATION: (DO NOT READ)]** Don't know
999   **[PHONE NOTATION: (DO NOT READ)]** Prefer not to answer

Q10D   On **[RESTORE NEXT TRAVEL DAY (BACKWARDS IN TIME)]**, did you use the same mode of travel as **[RESTORE PREVIOUS TRAVEL DAY (BACKWARDS IN TIME)]**?

00   No
01   Yes
998   **[PHONE NOTATION: (DO NOT READ)]** Don't know
999   **[PHONE NOTATION: (DO NOT READ)]** Prefer not to answer

IF Q10D/E EQUALS 00, REPEAT QUESTION Q10A THROUGH Q10D FOR NEXT TRAVEL DAY
IF Q10D/E EQUALS 01, POPULATE A10A THROUGH Q10C WITH SAME VALUES AS PREVIOUS DAY AND ASK Q10D/E FOR THE NEXT PREVIOUS DAY.

IF Q10D/E=998/999, SKIP OUT TO Q18B BASE LOGIC

ASK Q10D/E IN A LOOP UNTIL YOU GET "NO" OR UNTIL YOU GET THROUGH ALL DAYS TRAVELED. REPEAT UNTIL ALL TRAVEL DAYS COMPLETED

CREATE VARIABLES TO REFLECT LAST LEG NAMES; LASTLEGMODE
IF LAST LEG EQUALS WALK THEN USE PREVIOUS LEG THAT IS DRIVE ALONE, CARPOOL, VANPOOL, MOTORCYCLE / MOPED, TRANSIT, ETC.

CREATE UP TO TWO LASTLEG VARIABLES – ONE FOR TRANSIT AND ONE FOR ALL OTHERS

IF RESPONDENT QUALIFIES WITH MORE THAN ONE FOR DRIVE/CARPOOL/VANPOOL/MOTORCYCLE, USE MOST RECENT DAY TRAVELED
01 = DRIVE ALONE
02 = CARPOOL
03 = VANPOOL
04 = MOTORCYCLE / MOPED
05 = TRANSIT (BUS ONLY)

ASK Q18B IF LAST LEG = 05 (BUS TRANSIT)

Q18B   <u>When you take the bus to campus</u>, how long does it **typically** take you to walk from where you got off the bus to your final destination?

    ____   Record number of minutes walked, enter 0 for less than one minute **[RANGE 0 – 60]**
    998   **[PHONE NOTATION: (DO NOT READ)]** Don't know
    999   **[PHONE NOTATION: (DO NOT READ)]** Prefer not to answer

BICYCLE
[BASE: ALL RESPONDENTS]
[PROGRAMMING: SECTION FOR TIMING]

ASK Q15 IF ANY PART OF Q10A EQUALS BICYCLE

Q15   When you use your bike as part of your commute trip, do you typically park your bike…

[PHONE NOTATION] (READ/CLARIFY FROM LIST AS NECESSARY)
   01   At a transit center or train station?
   02   At the ferry terminal?
   03   At a bike rack on the UW campus?
   04   In a bicycle locker on the UW campus?
   05   In a dedicated storage room on the UW campus?
   06   In a fenced, locked bicycle enclosure (e.g., in the UW tower garage)?
   07   In your office?
   08   In a parking garage/bike rack in parking garage?
   888   Someplace else **(please describe) [FORCE SPECIFY]**
   998   **[PHONE NOTATION: (DO NOT READ)]** Don't know
   999   **[PHONE NOTATION: (DO NOT READ)]** Prefer not to answer

ASK Q16 IF Q15 > 02 AND < 07

Q16   How satisfied are you with each of the following aspects of bicycle parking on campus?

[PHONE TEXT] Are you… **(READ LIST)**

ROTATE Q16B Q16C Q16D – AVAILABLITY, SECURITY, AND QUALITY OF FACILITY

	Very Dissatisfied	Somewhat Dissatisfied	Somewhat Satisfied	Very Satisfied	**[PN: (DO NOT READ)]** No Opinion
Overall	❍	❍	❍	❍	❍
Availability	❍	❍	❍	❍	❍
Security	❍	❍	❍	❍	❍
Quality of Facility	❍	❍	❍	❍	❍

University of Washington 2016 Transportation Study
                                   Date: January 2017

Q17　　　If the following changes were made, how often would you bike to campus?

[PHONE NOTATION] (READ LIST)
[RANDOMIZE ORDER SHOWN]

	The Same Amount	Somewhat More Frequently	Much More Frequently	[PN: (DO NOT READ)] No Opinion
More secure bicycle parking (e.g. lockers, enclosures, rooms)	❍	❍	❍	❍
More covered bicycle parking	❍	❍	❍	❍
More bicycle racks	❍	❍	❍	❍
Showers and clothes lockers at your destination	❍	❍	❍	❍
More signs and shared lane pavement markings ("sharrows")	❍	❍	❍	❍
More bicycle lanes, separated cycle tracks, and off-street paths	❍	❍	❍	❍
More neighborhood greenway routes on residential streets	❍	❍	❍	❍

PARKING /CARPOOLING/VANPOOLING
[BASE: IF ANY LASTLEG VARIABLE = 01 OR 02 OR 03 OR 04
(DRIVE ALONE, CARPOOL, VANPOOL, MOTORCYCLE/MOPED)
[PROGRAMMING: SECTION FOR TIMING]

Q18　　　When you **[drive / carpool / vanpool]** to campus, where do you **typically** park?

[PHONE NOTATION] (READ LIST IF NECESSARY)
　　　01　　　A University lot or garage
　　　02　　　Paid on-street parking
　　　03　　　Free on-street parking
　　　04　　　In a private or city lot or garage
　　　888　　　Somewhere else **(please describe) [FORCE SPECIFY]**
　　　96　　　**[PHONE NOTATION: (DO NOT READ)]** Didn't park / got dropped off
　　　998　　　**[PHONE NOTATION: (DO NOT READ)]** Don't know
　　　999　　　**[PHONE NOTATION: (DO NOT READ)]** Prefer not to answer

Q18A　　　How long does it **typically** take you to walk from where you left your vehicle to your final destination?

　　___　　　Record number of minutes walked, enter 0 for less than one minute **[RANGE 0 – 60]**
　　　998　　　**[PHONE NOTATION: (DO NOT READ)]** Don't know
　　　999　　　**[PHONE NOTATION: (DO NOT READ)]** Prefer not to answer

ASK Q18C IF Q18 EQ 01

SKIP IF ANY LASTLEG VARIABLE = 04 VANPOOL

Q18C   Which of the following parking products do you use when parking on campus?

01	SOV permit
02	Individual Commuter Tickets or ICTs
03	Carpool permit
04	Night parking permit
05	Pay-per-use Parking or PPUP **[PRONOUNCED "PUP"]**
06	Swing shift permit
07	Motorcycle permit
08	Gatehouse-issued daily parking permit
09	Gatehouse-issued carpool parking permit
10	Machine-issued hourly parking permit
11	Other **(specify)**
998	DON'T KNOW
999	PREFER NOT TO ANSWER

ASK Q19 IF ANY Q10 LEG EQUALS CARPOOL

Q19   When you carpool are you typically. .

01	The driver
02	The passenger
03	Share driving responsibility equally
998	**[PHONE NOTATION: (DO NOT READ)]** Don't know
999	**[PHONE NOTATION: (DO NOT READ)]** Prefer not to answer

ASK Q20A IF ANY Q10 LEG EQUALS CARPOOL

Q20A   Were you or some other members of your carpool dropped off at somewhere other than a UW owned or leased building on the main campus or in the U-District?

[WEB NOTATION] *(Select all that apply)*
[PHONE NOTATION] (READ LIST IF NECESSARY. SELECT ALL THAT APPLY)

01	I was dropped off somewhere else
02	Other members of the carpool were dropped off
888	Something else **(please describe)** **[FORCE SPECIFY]**
03	No one dropped off **[MUTUALLY EXCLUSIVE]**
998	**[PHONE NOTATION: (DO NOT READ)]** Don't know **[MUTUALLY EXCLUSIVE]**
999	**[PHONE NOTATION: (DO NOT READ)]** Prefer not to answer **[MUTUALLY EXCLUSIVE]**

ASK Q21 IF ANY Q10 LEG EQUALS CARPOOL

Q21   To what extent was discounted carpool parking fees a factor in your decision to carpool?

[PHONE TEXT] Was it… **(READ LIST)**
- 01   Not a consideration at all
- 02   Somewhat of a consideration
- 03   Major consideration
- 998   **[PHONE NOTATION: (DO NOT READ)]** Don't know
- 999   **[PHONE NOTATION: (DO NOT READ)]** Prefer not to answer

ASK Q22 IF ANY Q10 LEG EQUALS CARPOOL

Q22   How satisfied are you with each of the following aspects of carpool parking on campus?

[PHONE TEXT] Are you… **(READ LIST)**

ROTATE Q22B Q22C Q22D – AVAILABLITY, SECURITY, AND ATTRACTIVENESS

	Very Dissatisfied	Somewhat Dissatisfied	Somewhat Satisfied	Very Satisfied	[PN: (DO NOT READ)] No Opinion
Overall	❍	❍	❍	❍	❍
Availability	❍	❍	❍	❍	❍
Security	❍	❍	❍	❍	❍
Attractiveness	❍	❍	❍	❍	❍

UPASS USERS
[BASE: ALL PARTICIPANTS]
[PROGRAMMING: SECTION FOR TIMING]

Q24   Do you have a U-PASS that is valid for Fall Quarter 2016?
- 00   No
- 01   Yes
- 998   **[PHONE NOTATION: (DO NOT READ)]** Don't know
- 999   **[PHONE NOTATION: (DO NOT READ)]** Prefer not to answer

Q25   How long have you had a U-PASS?

[PHONE NOTATION] (CLARIFY FROM THE LIST AS NEEDED. DO NOT READ LIST UNLESS RESPONDENT SAYS DON'T KNOW)

01   First quarter I have had one **[PHONE NOTATION (INTERVIEWER: CHOOSE IF ISSUED AFTER SEPT 1, 2016)]**

02   Less than one year

     03   1 to 2 years

     04   3 to 5 years

     05   More than 5 years

     888   Other **(please describe)** **[FORCE SPECIFY]**

     998   **[PHONE NOTATION: (DO NOT READ)]** Don't know

     999   **[PHONE NOTATION: (DO NOT READ)]** Prefer not to answer

Q26A   Did you…

[PHONE NOTATION] (READ LIST)

     01   Purchase your U-PASS

     02   Receive a U-PASS with an SOV **[PHONE NOTATION: (Single Occupancy Vehicle)]** parking permit

     03   Receive a U-PASS with a carpool parking permit

     04   Receive a U-PASS with a motorcycle parking permit

     05   Receive a U-PASS because you are a vanpool driver or bookkeeper

     888   Something else **(please describe)** **[FORCE SPECIFY]**

     998   **[PHONE NOTATION: (DO NOT READ)]** Don't know

     999   **[PHONE NOTATION: (DO NOT READ)]** Prefer not to answer

Q26B   Did you…

[PHONE NOTATION] (READ LIST)
[DISPLAY OPTION 4 FROM THE GET-GO FOR WEB RESPONDENTS]

     01   Receive a U-PASS with your tuition and fees

     02   Purchase a U-PASS from UW Professional and Continuing Education

     03   Purchase a U-PASS from UW Transportation Services

     04   **[PHONE NOTATION: (DO NOT READ)]** Purchased as a staff / employee

     888   Something else **(please describe)** **[FORCE SPECIFY]**

     998   **[PHONE NOTATION: (DO NOT READ)]** Don't know

     999   **[PHONE NOTATION: (DO NOT READ)]** Prefer not to answer

ASK Q27 IF Q24=1

Q27   How often have you used your U-PASS to do each of the following…

[PHONE NOTATION] (READ SCALE FOR FIRST ATTRIBUTE, THEN READ ONLY IF NECESSARY: Would you say never, rarely, sometimes, or frequently?**)**
[INCLUDE A DO NOT READ/UNDISPLAYED OPTION FOR "Have Never Used U-PASS" THAT WILL NOT REQUIRE GRID RESPONSES TO BE FILLED]

[RANDOMIZE DISPLAY ORDER]

NUMBER FOR INTERNAL TRACKING		Never	Rarely	Sometimes	Frequently	[PN: (DO NOT READ)] Prefer Not to Answer
Q27_7	Ride the Link Light Rail	❍	❍	❍	❍	❍
Q27_11	Ride the Night Ride shuttle	❍	❍	❍	❍	❍
Q27_12	**[DISPLAY FOR TYPE EQ 02,03 ONLY]** Get an emergency ride home	❍	❍	❍	❍	❍
Q27_13	Get discounted parking for carpools	❍	❍	❍	❍	❍
Q27_14	Cover up to $80 per month of your vanpool fare	❍	❍	❍	❍	❍
Q27_16	Ride transit as part of your commute	❍	❍	❍	❍	❍
Q27_17	Ride transit for other / non-commute purposes	❍	❍	❍	❍	❍
Q27_18	Get discounts from Zipcar, Car2Go, or Pronto	❍	❍	❍	❍	❍
Q27_00	I have never used my U-PASS					

Q27_B   Have you used the Commute Options service to receive personalized commute assistance to campus?

[PHONE NOTATION] (READ LIST AND GET A YES OR NO AFTER EACH)
- 00   No
- 01   Yes
- 998   **[PHONE NOTATION: (DO NOT READ)]** Don't know
- 999   **[PHONE NOTATION: (DO NOT READ)]** Prefer not to answer

ASK Q28 IF Q24=1

Q28   Overall, how satisfied are you with the U-PASS program?

[PHONE TEXT] Would you say you are… **(READ SCALE)**

Very Dissatisfied	Somewhat Dissatisfied	Somewhat Satisfied	Very Satisfied	**[PN: (DO NOT READ)]** Don't Know	**[PN: (DO NOT READ)]** Prefer Not to Answer
○	○	○	○	○	○

ASK Q30 IF Q24=1 AND TYPE EQ 01

Q30   Do you agree or disagree that the U-PASS makes it easier for you to attend classes at the University of Washington?

[PHONE TEXT] Would that be strongly or somewhat Agree/Disagree?

Strongly Disagree	Somewhat Disagree	Neither Agree nor Disagree	Somewhat Agree	Strongly Agree	**[PN: (DO NOT READ)]** Prefer Not to Answer
○	○	○	○	○	○

ASK Q31 IF TYPE EQ 02 OR 03

Q31   Do you agree or disagree that the U-PASS is a benefit of working at the University of Washington?

[PHONE TEXT] Would that be strongly or somewhat Agree/Disagree?

Strongly Disagree	Somewhat Disagree	Neither Agree nor Disagree	Somewhat Agree	Strongly Agree	[PN: (DO NOT READ)] Prefer Not to Answer
○	○	○	○	○	○

NON-UPASS USERS
[BASE: Q24=00 (NO)]
[PROGRAMMING: SECTION FOR TIMING]

Q37   Have you ever had or considered having a U-PASS?

[PHONE NOTATION] (READ LIST)
   00   No, have never had nor considered having a U-PASS
   01   Yes, have considered getting a U-PASS
   02   Yes, had a U-PASS in the past
   998   [PHONE NOTATION: (DO NOT READ)] Don't know
   999   [PHONE NOTATION: (DO NOT READ)] Prefer not to answer

Q38   How likely are you to get a U-PASS in the future?

[PHONE TEXT] Would you say you are… (READ SCALE)

Not at All Likely	Not Very Likely	Not Sure Either Way	Somewhat Likely	Very Likely	[PN: (DO NOT READ)] Prefer Not to Answer
○	○	○	○	○	○

Q39   What would encourage you to get a U-PASS?

[PHONE NOTATION] (PROBE TWICE OR UNTIL UNPRODUCTIVE AND CLARIFY AS NEEDED. WE'RE LOOKING FOR AT LEAST TWO RESPONSES)

Open-ended question – codes below are for post coding reference only

Post-codes:

1	*Cheaper/lower price*
2	*If it was free*
3	*Cheaper/discounted rates for less frequent/occasional/sporadic use*
4	*Lower Senior rate*
5	*Cheaper/free for staff/employees/part-time employees*
6	*Discounted/free parking*
7	*Lower price/discount for bicyclists*
8	*Ability to pay per use/pay as you go*
9	*Easier/more convenient (unspecified)*
10	*Reliable/on time service*
11	*Faster commute/less travel time*
12	*Better connections (unspecified)*
13	*Direct routes/no transfers*
14	*More frequent buses/bus service*
15	*If I worked different hours/if bus schedule fit my schedule/work schedule*
16	*Earlier/early morning service*
17	*Later evening/night service*
18	*Less crowded buses/evening buses*
19	*If buses were more comfortable*
20	*Safety/security*
21	*More options (unspecified)*
22	*Better bus service (unspecified)*
24	*If service was closer to my home*
25	*Distance/if I lived further away/out of walking/biking distance*
26	*If I couldn't walk/ride my bike*
27	*If I needed to use the bus more often*
28	*If I couldn't drive/carpool/didn't have a vehicle/car broke down*
29	*Better service to/from West Seattle*
30	*When light rail terminal is finished/light rail to/from Capitol Hill is complete*
31	*Other specified parking mentions*
32	*Need to know more about it*
33.	*Need my car for emergencies/family reasons*
94.	*Other Cost mentions*
888	*Other*
997	*Nothing/don't need it*
998	*DON'T KNOW*
999	*PREFER NOT TO ANSWER*

TRANSIT SYSTEM USE
[BASE: ALL PARTICIPANTS]
[PROGRAMMING: SECTION FOR TIMING]

Q40A   Thinking about all of your travel over the past 7 days, how many one-way trips did you take on each of the following transit systems for any purpose?

[PHONE NOTATION] (AS NEEDED) A round trip counts as 2 trips.

[PHONE NOTATION] (IF NECESSARY) If your trip included transfers between buses on the same system, count it as 1 trip on that system. If your trip included transfers from one transit system to another, count 1 trip for each transit system used. For example, if you transferred from a King County Metro bus to another King County Metro bus, that would count as one trip on King County Metro – but if you transferred from a King County Metro bus to a Sound Transit bus, that would count as one trip on each system, one trip for King County Metro and one trip for Sound Transit.

[PHONE NOTATION] (READ LIST AND RECORD NUMBER OF TRIPS FOR EACH)

IN THE IDEAL WORLD, THE GRID SHOWS UP ONE ROW AT A TIME, BUT ON THE SAME SCREEN.

SHOW COLUMN A FIRST

RESPONDENT MUST ENTER A NUMBER FOR EACH SYSTEM IN COLUMN A. IF NO TRIPS THEY WOULD ENTER 0. DO NOT ALLOW BLANKS. ALLOW A "DON'T KNOW" (98) OR "REFUSED" (99) OPTION IF NEEDED.

IF COLUMN A > 0, DISPLAY COLUMS B THROUGH D
RESPONDENT MUST ENTER A NUMBER IN EACH COLUMN (B-D). IF NOT TRIPS THEY WOULD ENTER 0. DO NOT ALLOW BLANKS. ALLOW A "DON'T KNOW" (98) OR "REFUSED" (99) OPTION IF NEEDED.

SUM OF B, C, AND D SHOULD BE EQUAL TO OR LESS THAN A (FOR EACH ROW)

PHONE DISPLAY THE Q40B THROUGH Q40D TO POPULATE THE TABLE

Q40B   How many of the trips you took last week on each of the following public transportation systems were to or from the UW campus or U-District?

[PHONE NOTATION] (READ LIST AND RECORD NUMBER OF TRIPS FOR EACH. PREVIOUS TRIPS/TOTALS SHOWN FOR REFERENCE ONLY.)

Q40C   How many of the trips you took last week on each of the following public transportation systems were between two points in the U-District?

[PHONE NOTATION: (AS NEEDED)] The U-District is defined as east of I-5, north of Portage Bay and the Montlake cut, South of Ravenna Boulevard and West of Mary Gates Drive.

[PHONE NOTATION] (READ LIST AND RECORD NUMBER OF TRIPS FOR EACH. PREVIOUS TRIPS/TOTALS SHOWN FOR REFERENCE ONLY.)

Q40D   How many of the trips you took last week on each of the following public transportation systems were between two points in Downtown Seattle?

[PHONE NOTATION: (AS NEEDED)] Downtown Seattle is defined between Battery St. on the north end and S. Jackson St. on the south end of town which includes the International

District Station and between Interstate 5 and west of I-5 to the waterfront

[PHONE NOTATION] **(READ LIST AND RECORD NUMBER OF TRIPS FOR EACH. PREVIOUS TRIPS/TOTALS SHOWN FOR REFERENCE ONLY.)**

[ONLY ALLOW OPTIONS WITH DATA AT Q40A TO BE ANSWEWRED AT Q40B, Q40C, AND Q40D]

	A	C	B	D
	Total # of One-Way Trips	# of One-Way Trips entirely within the U-District	# of One-Way Trips to / from the U-District	# of One-Way Trips entirely within Downtown Seattle
King County Metro	___	___	___	___
Sound Transit Express Buses	___	___	___	___
Community Transit	___	___	___	___
Link Light Rail	___	n/a	___	___
Seattle Streetcar	___	n/a	n/a	___
Everett Transit	___	n/a	n/a	n/a
Pierce Transit	___	n/a	n/a	n/a
Kitsap Transit	___	n/a	n/a	n/a
Sounder Commuter Rail	___	n/a	n/a	n/a
King County Water Taxi	___	n/a	n/a	n/a
Washington State Ferries	___	n/a	n/a	n/a

CREATE A NEW VARIABLE TRANSIT_SUM. THIS IS THE SUM OF ALL ONE-WAY TRIPS TAKEN ON ALL SYSTEMS IN Q40A

CREATE A NEW VARIABLE LINK_SOUNDER THAT IS THE SUM OF Q40A FOR LINK LIGHT RAIL AND SOUNDER COMMUTER RAIL.

ASK Q40E IF LINK_SOUNDER IS GREATER THAN 1

Q40E   You indicated you took **[RESTORE VALUE FROM LINK_SOUNDER]** one-way trips on Link Light Rail or Sounder Commuter Rail in the past 7 days. Did you tap your U-PASS on the ORCA reader every time you got on **and** off the Link Light Rail or Sounder Commuter Rail?

   00   No
   01   Yes, every time
   998   **[PHONE NOTATION: (DO NOT READ)]** Don't know
   999   **[PHONE NOTATION: (DO NOT READ)]** Prefer not to answer

ASK Q40F AND Q40G IF Q40E = 00

KEEP Q40F AND Q40G ON SAME SCREEN AS Q40E (POPUNDER)

ASK Q41 IF TRANSIT_SUM GE 1

Q41NEW What is the **primary** purpose(s) for the trips that you take on public transportation?

01   Commuting to or from the UW

02   Commuting or traveling for work to off-campus locations

03   Non-commute trips such as shopping, to/from recreation, or to visit people

998   **[PHONE NOTATION: (DO NOT READ)]** Don't know

999   **[PHONE NOTATION: (DO NOT READ)]** Prefer not to answer

Codes below are for post coding reference only for the Something Else response option

Post-codes:

1. *School related activity*
2. *Classes / off-campus classes / lecture*
3. *Home / returning home*
4. *Jury duty*
5. *Volunteer work*
6. *Transfer / travel to bus / other transportation*
7. *Downtown / around downtown (unspecified)*
8. *To / from airport*
9. *Church*
10. *No Answer*

IF Q24=1 (U-PASS HOLDER) SKIP Q42A AND AUTOCODE AS 04 U-PASS

ASK Q42A IF Q40A (KCMETRO) IS GE 1 AND LESS THAN 97 AND Q24 NE 01

Q42A   When you rode Metro, how did you pay your fare?

[PHONE NOTATION] **(CLARIFY FROM THE LIST AS NEEDED. DO NOT READ LIST UNLESS RESPONDENT SAYS DON'T KNOW)**
[DISPLAY OPTIONS 4-6 AND 888 FROM THE GET-GO FOR WEB RESPONDENTS]

01   ORCA Card

02   Cash

03   Tickets

04   **[PHONE NOTATION: (DO NOT READ)]** U-PASS

05   **[PHONE NOTATION: (DO NOT READ)]** Senior pass

06   **[PHONE NOTATION: (DO NOT READ)]** Free ticket

888   Other **(please describe)** **[FORCE SPECIFY]**

998   **[PHONE NOTATION: (DO NOT READ)]** Don't know

999   **[PHONE NOTATION: (DO NOT READ)]** Prefer not to answer

Q42B   Which of the following products do you have on your ORCA Card?

[WEB NOTATION] *(Select all that apply)*
[PHONE NOTATION] (READ LIST. GET A YES OR NO AFTER EACH)
01   Monthly pass that you purchased yourself
02   Monthly pass purchased by someone else (e.g., employer)
03   E-Purse
04   Day pass
888   Something else **(please describe) [FORCE SPECIFY]**
998   **[PHONE NOTATION: (DO NOT READ)]** Don't know **[MUTUALLY EXCLUSIVE]**
999   **[PHONE NOTATION: (DO NOT READ)]** Prefer not to answer **[MUTUALLY EXCLUSIVE]**

D5   How satisfied are you with UW Transportation Services?
[PHONE NOTATION] (READ LIST)
01   Very dissatisfied
02   Somewhat dissatisfied
03   Somewhat satisfied
04   Very satisfied
998   **[PHONE NOTATION: (DO NOT READ)]** Don't know
999   **[PHONE NOTATION: (DO NOT READ)]** Prefer not to answer

---

WRAP UP
[BASE: ALL PARTICIPANTS]
[PROGRAMMING: SECTION FOR TIMING]

These final questions will help us group your answers with others. Please let us assure you that all of your responses will remain completely confidential.

D1   What is your age?
___   Enter number **[RANGE=16-97]**
998   **[PHONE NOTATION: (DO NOT READ)]** Don't know
999   **[PHONE NOTATION: (DO NOT READ)]** Prefer not to answer

ASK IF D1 EQUALS 998 OR 999

D1A   Are you…

        [PHONE NOTATION] (READ LIST)
        01   Under the age of 18
        02   Between 18 and 24
        03   Between 25 and 34
        04   Between 35 and 44
        05   Between 45 and 54
        06   Between 55 and 64
        07   65 or older
        998   **[PHONE NOTATION: (DO NOT READ)]** Don't know
        999   **[PHONE NOTATION: (DO NOT READ)]** Prefer not to answer

[DO NOT DISPLAY OPTION 3 TO WEB RESPONDENTS UNLESS/UNTIL THEY TRY TO SKIP THE QUESTION]

D2   **[WEB TEXT]** Are you…
        [PHONE TEXT] (DO NOT READ. RECORD GENDER BY OBSERVATION. IF UNSURE, READ: I know this sounds strange, but I have to ask, are you male or female?**)**

        01   Male
        02   Female
        03   **[PHONE NOTATION: (DO NOT READ)]** Other
        998   **[PHONE NOTATION: (DO NOT READ)]** Don't know
        999   **[PHONE NOTATION: (DO NOT READ)]** Prefer not to answer

D3   Do you have a valid driver's license?

        00   No
        01   Yes
        998   **[PHONE NOTATION: (DO NOT READ)]** Don't know
        999   **[PHONE NOTATION: (DO NOT READ)]** Prefer not to answer

D4   Do you have access to a Smartphone or similar handheld internet-capable device that you use while on campus?

        00   No
        01   Yes
        998   **[PHONE NOTATION: (DO NOT READ)]** Don't know
        999   **[PHONE NOTATION: (DO NOT READ)]** Prefer not to answer

SHOW COFFEE ONLY OF WEB RESPONDENTS

COFFEE   Would you like to receive your free $5 Starbucks gift card as a "thank you" for completing this survey?

    00   No
    01   Yes
    998   **[PHONE NOTATION: (DO NOT READ)]** Don't know
    999   **[PHONE NOTATION: (DO NOT READ)]** Prefer not to answer

SHOW COFFEE1 IF COFFEE=1 (YES)

COFFEE1   The gift card will be sent electronically, via email, at the end of the study. Please confirm that the email address below is the email address you would prefer we send the gift card.

[DISPLAY EMAIL ADDRESS FROM SAMPLE]

    00   No, I would prefer that you send the gift card to a different email address than the one above
    01   Yes, this is the email address to send the gift card to
    998   **DO NOT READ:** DON'T KNOW
    999   **DO NOT READ:** PREFER NOT TO ANSWER

SHOW COFFEE2 IF COFFEE1=2

COFFEE2   Please provide the email address to which you would like the gift card sent.

    _____ENTER EMAIL ADDRESS
    _____CONFIRM EMAIL ADDRESS
    998   **DO NOT READ:** DON'T KNOW
    999   **DO NOT READ:** PREFER NOT TO ANSWER

Thank you for participating in this important study. The information you provided today will help the UW better serve your transportation needs.

[Blank page inserted for pagination purposes.]

Appendix V: Outreach Materials

UW Email Notification – pre-notification of selection

Subject line: How do you get to campus?

Dear **[Preferred_Name]**:

Every year, the University of Washington conducts an important study to gather information on how students, faculty and staff commute to campus. The information gathered in this study will be used to help improve transportation to and around the U-District. Additionally, it provides data to help the University meet State and City regulatory requirements.

You have been randomly selected to participate in this study. Survey results will be used to shape future transportation programs for campus.

To show our appreciation, those who complete the survey online will receive a $5 coffee card. If we do not receive a response online, NWRG interviewers will follow-up via telephone.

In the next few days, you will be contacted by Northwest Research Group (NWRG) with instructions on how to participate in this study and a link to the online questionnaire. NWRG is working with the UW to complete this survey. All survey responses will remain confidential, although anonymous, summarized data will be available to the public sometime next year.

Please help the UW better understand its transportation needs by participating in this important study.

If you have questions, please contact Zachary Howard with UW Transportation Services, at znhoward@uw.edu or (206) 616-6087.

Thank you in advance for your participation in this important research.

UW Campus Mail Notification (Faculty and staff only – no e-mail)

Dear **[Preferred_Name]:**

Every year, the University of Washington conducts an important study to gather information on how students, faculty, and staff commute to campus. The information gathered in this study will be used to help improve transportation in and around the U-District. Additionally, it provides data to help the University meet State and City regulatory requirements.

You have been randomly selected to participate in this study. Survey results will be used to shape future transportation programs for campus. To show our appreciation, upon completion of the survey, you will receive a $5 coffee card (instructions on receiving your card will be e-mailed to you after the study is complete in December).

In the next few weeks, you will receive a phone call from Northwest Research Group (NWRG) with instructions on how to participate in this study and a link to the online questionnaire. NWRG is working with the UW to complete this survey. All survey responses will remain confidential, although anonymous, summarized data will be available to the public sometime next year.

Please help the UW better understand its transportation needs by participating in this important study.

If you have questions, please contact Zachary Howard with UW Transportation Services, at znhoward@uw.edu or (206) 616-6087.

Thank you in advance for your participation in this important research.

UW Campus Mail Notification (Faculty and staff only – no phone, no e-mail)

Dear **[Preferred_Name]:**

Every year, the University of Washington conducts an important study to gather information on how students, faculty, and staff commute to campus. The information gathered in this study will be used to help improve transportation in and around the U-District. Additionally, it provides data to help the University meet State and City regulatory requirements.

You have been randomly selected to participate in this study. Survey results will be used to shape future transportation programs for campus. To show our appreciation, upon completion of the survey, you will receive a $5 coffee card (instructions on receiving your card will be e-mailed to you after the study is complete in December).

To begin your participation in the study, please transcribe the following link into your browser.

[INSERT SURVEY LINK HERE with unique ID appended to end]

Northwest Research Group (NWRG) is working with the UW to complete this survey. All survey responses will remain confidential, although anonymous, summarized data will be available to the public sometime next year.

Please help the UW better understand its transportation needs by participating in this important study.

If you have questions, please contact Zachary Howard with UW Transportation Services, at znhoward@uw.edu or (206) 616-6087.

If you have technical survey questions, contact Nathan Wiggin, Project Director at NWRG, at nwiggin@nwresearchgroup.com or (206) 489-2363.

Thank you in advance for your participation in this important research.

FAQs – for posting on website(s), emailing to respondents requesting additional information, etc.

Q: What is the purpose of this research?

A: The UW conducts this study every year. The research will:

   a. Gather information on travel behavior that the University uses for long-range development plans.

   b. Provide data required by the State of Washington's Commute Trip Reduction Law. Major employers are required by this law to provide data on their employees commuting choices as determined by the survey. (http://www.wsdot.wa.gov/Transit/CTR/overview.htm)

   c. Provide important information on the effectiveness of the UW's transportation programs and potential program improvements.

Q: Who is Northwest Research Group?

A: Northwest Research Group (http://www.nwresearchgroup.com/) is a full-service research firm that is working with the UW to support this research study. Northwest Research Group has extensive experience with transportation research and has worked with on many transportation surveys locally as well as across the country. Northwest Research Group is based in Renton.

Northwest Research Group is hosting the survey on their secure servers to maintain respondent confidentiality. All work is conducted in accordance with ISO 20252—Market Research Standards. Northwest Research Group is a member of the Council of American Survey Research Organizations (CASRO) and is bound by their strict business and ethical guidelines (http://www.casro.org/?page=TheCASROCode).

Q: Why was I selected?

A: A sample (n∞ 3,000) of students, faculty, and staff were randomly selected from all enrolled students as well as faculty and staff on payroll for Fall Quarter 2016. Northwest Research Group drew the sample. Your survey responses are kept completely separate from any individual data that would identify you personally, such as your email address, address, phone, etc.

Northwest Research Group has agreed to abide by the University of Washington's strict data confidentiality and security standards.

The CASRO Code of Ethics states:

Since individuals who are interviewed are the lifeblood of the survey research industry, it is essential that survey research organizations be responsible for protecting from disclosure to third parties--including clients and members of the public--the identity of individual respondents as well as respondent-identifiable information, unless the respondent expressly requests or permits such disclosure.

Our goal is to collect at least 1,624 completed surveys. We are required under the Commute Trip Reduction reporting requirements to achieve at least a 50 percent response rate; it is very

important for those selected to respond so as to ensure that results represent the entire university.

To encourage responses, you will receive a $5 coffee card if you complete the survey online. Instructions on receiving your card will be e-mailed to you after the study is complete in December – you will have a chance to enter a different e-mail address than the one where you received the survey invitation.

The coffee card incentive is only offered to those who complete the survey online.

Q: Who do I contact at the UW if I need more information?

A: Zachary Howard with UW Transportation Services, at znhoward@uw.edu or (206) 616-6087.

Q: Who do I contact at Northwest Research Group if I need more information or the survey link does not work?

A: Nathan Wiggin, Project Director at Northwest Research Group, at nwiggin@nwresearchgroup.com or (206) 489-2363.

Vendor Email Invitation

Subject line: Please help improve campus transportation

Dear **[Preferred_Name]:**

Recently, the UW sent you a notification that you have been randomly selected to participate in an important study to shape future transportation programs for campus.

To begin your participation in the study, please click on the link below.

[INSERT SURVEY LINK HERE with unique ID appended to end]

If the above link does not work, please copy the link and paste it into your browser, then press "enter" to begin taking the survey.

In addition to shaping future transportation programs for campus, upon completing the survey online, you will receive a $5 coffee card (instructions on receiving your card will be e-mailed to you after the study is complete in December). If we do not receive a response online, NWRG interviewers will be following up via telephone.

Northwest Research Group (NWRG) is working with the UW to complete this research. All survey responses will remain confidential, although anonymous, summarized data will be available to the public sometime next year.

If you have questions, please contact Zachary Howard with UW Transportation Services, at znhoward@uw.edu or (206) 616-6087.

If you have technical survey questions, contact Nathan Wiggin, Project Director at NWRG, at nwiggin@nwresearchgroup.com or (206) 489-2363.

Thank you for your participation in this important research.

1st Reminder Email (Northwest Research Group)

Subject line: We want to hear from you – please help improve campus transportation

Dear **[Preferred_Name]:**

You were selected to take part in the University of Washington's transportation study, but according to our records, have not yet taken the survey. The survey should only take about 10 minutes to complete; will you please take the survey at your earliest convenience? If you have already completed the survey, you may disregard this email.

This study is conducted every year to collect information on how students, faculty, and staff commute to campus. The information gathered in this study will be used to help improve transportation to and around the U-District. Additionally, it provides data to help the University meet State and City regulatory requirements.

You have been randomly selected to participate in this study. To show our appreciation, upon completing the survey online, you will receive a $5 coffee card (instructions on receiving your card will be e-mailed to you after the study is complete in December). If we do not receive a response online, NWRG interviewers will be following up via telephone.

Please help the UW transportation system by participating in this important study.

[INSERT SURVEY LINK HERE with unique ID appended to end]

If the above link does not work, please copy the link and paste it into your browser and then press enter to begin taking the survey.

If you have questions, please contact Zachary Howard with UW Transportation Services, at znhoward@uw.edu or (206) 616-6087.

If you have technical survey questions, contact Nathan Wiggin, Project Director at NWRG, at nwiggin@nwresearchgroup.com or (206) 489-2363.

Thank you for your participation in this important research.

2nd Reminder Email (Northwest Research Group)

Subject line: Your transportation feedback helps in more ways than one

Dear **[Preferred_Name]:**

You were selected to take part in the University of Washington's transportation study but according to our records, have not yet taken the survey. The survey should only take about 10 minutes to complete; will you please take the survey at your earliest convenience? If you have already completed the survey you may disregard this email.

This study is conducted every year to collect information on how students, faculty, and staff commute to campus. The information gathered in this study will be used to help improve transportation to and around the U-District. Additionally, it provides data to help the University meet State and City regulatory requirements.

You have been randomly selected to participate in this study. To show our appreciation, upon completing the survey online, you will receive a $5 coffee card. If we do not receive a response online, NWRG interviewers will be following up via telephone.

Please help the UW transportation system by participating in this important study.

To begin your participation in the study, please click on the link below.

[INSERT SURVEY LINK HERE with unique ID appended to end]

If the above link does not work, please copy the link and paste it into your browser and then press enter to begin taking the survey.

If you have questions, please contact Zachary Howard with UW Transportation Services, at znhoward@uw.edu or (206) 616-6087.

If you have technical survey questions, contact Nathan Wiggin, Project Director at Northwest Research Group, at nwiggin@nwresearchgroup.com or (206) 489-2363.

Thank you for your participation in this important research.