



TRANSPORTATION CENSUS 2020





Working definitions

Initial findings

Employee primary mode

- by year, all locations pie chart
- by year, central locations pie chart
- by year bar chart
- location breakout

COVID impact

- Sankey diagram
- heat table

ECO trips

- ECO trips overall results
- ECO trips vs trips impacted by COVID

Access to modes

- By transportation option
- Written feedback
- Factors that affect travel behavior
 - Commute times
- Alternatives to commuting

Mode specific questions

- Telework
- Transit
- Biking factors
 - Parking locations
- Preferred transportation options

OHSU impact

- by program
- by transportation option

More feedback

CONTENTS

1,053 OHSU employees
were surveyed Summer 2020 by
OHSU Transportation and Parking

WORKING DEFINITIONS

Each question has a corresponding question number, “Q8”, for example.

The below definitions were provided to respondents and are the working definitions for this report.

Drive alone: Includes motorized vehicles including motorcycles and motorized scooters that are not legal in a bike lane (ex. Vespa).

Bike: Includes vehicles that are street legal in the bike lane, including bikes, scooters, and e-bikes without emissions.

Carpool: Includes two or more people traveling one way to a work or school destination. Does not include being dropped off by a driver who is returning home (a ride from a family member) or driving for work (Uber, Lyft). Includes vanpool.

Drop off: Includes passenger vehicles where the driver is not also traveling to work or school, such as a being dropped off by a family member or Uber or Lyft.

Transit: Includes mass transit vehicles such as a bus, streetcar, light rail, train or ferry.

Walk: Includes walking, running and using personal mobility devices such as a wheelchair.

Telework: Synonymous with telecommute and working remotely/offsite/virtual at home, a co-working space, etc.

INITIAL FINDINGS

Initial findings focus on telework since this option has seen an unprecedented shift in OHSU's history as an organization.

Additional analysis may be conducted as needed.

Q8
6 in 10 have the ability to telework, at least part time.
87% of respondents have the ability to drive alone to work. Only about a third actually do.

Q14
6 in 10 people prefer telework, roughly the number that can access telework.

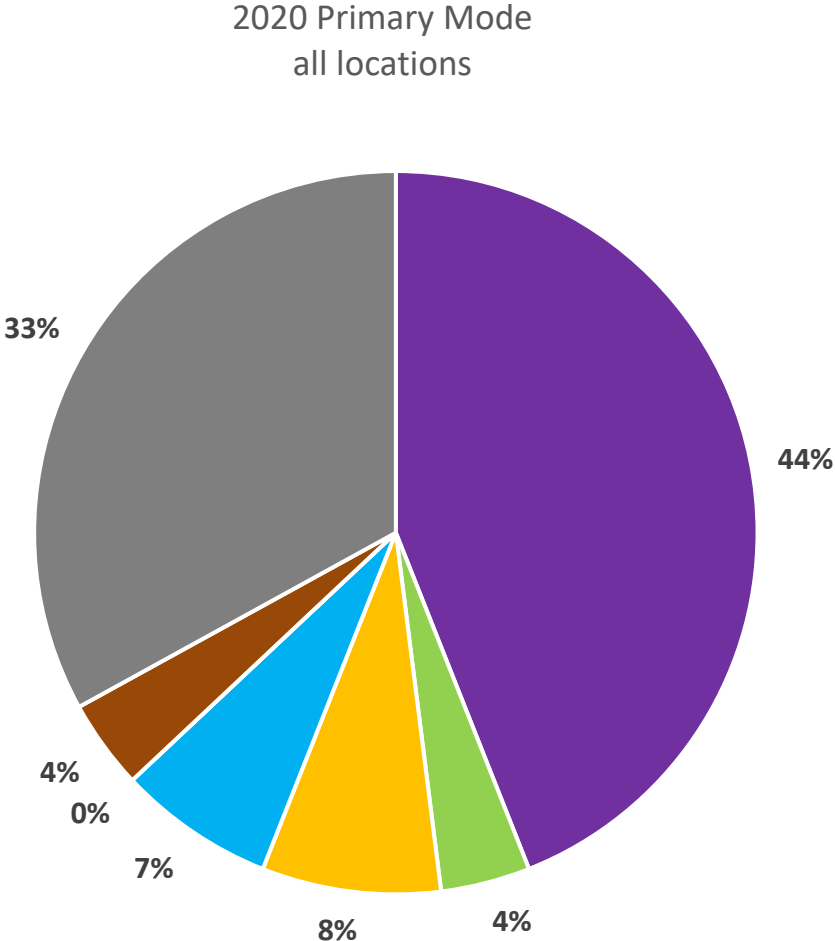
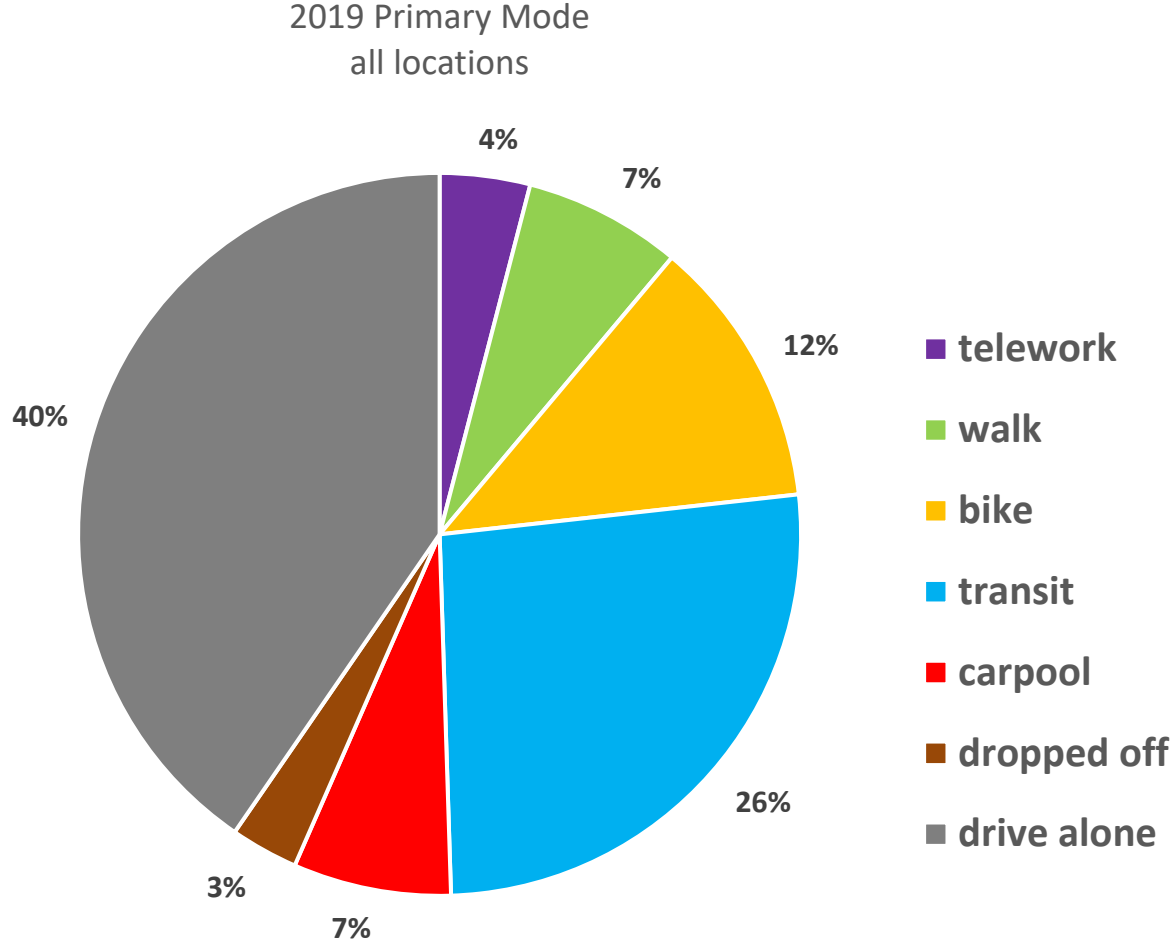
Q20
Two thirds of respondents are interested in "teleworking, at least part-time."
Nearly half were interested in "condensed work weeks (4 days of 10 hour shifts, for example)."
1 in 5 were interested in an "off-campus work site closer to home)."

Q21
Nearly 60% of respondents who telework would otherwise drive alone.



PRIMARY MODE BY YEAR

ALL LOCATIONS



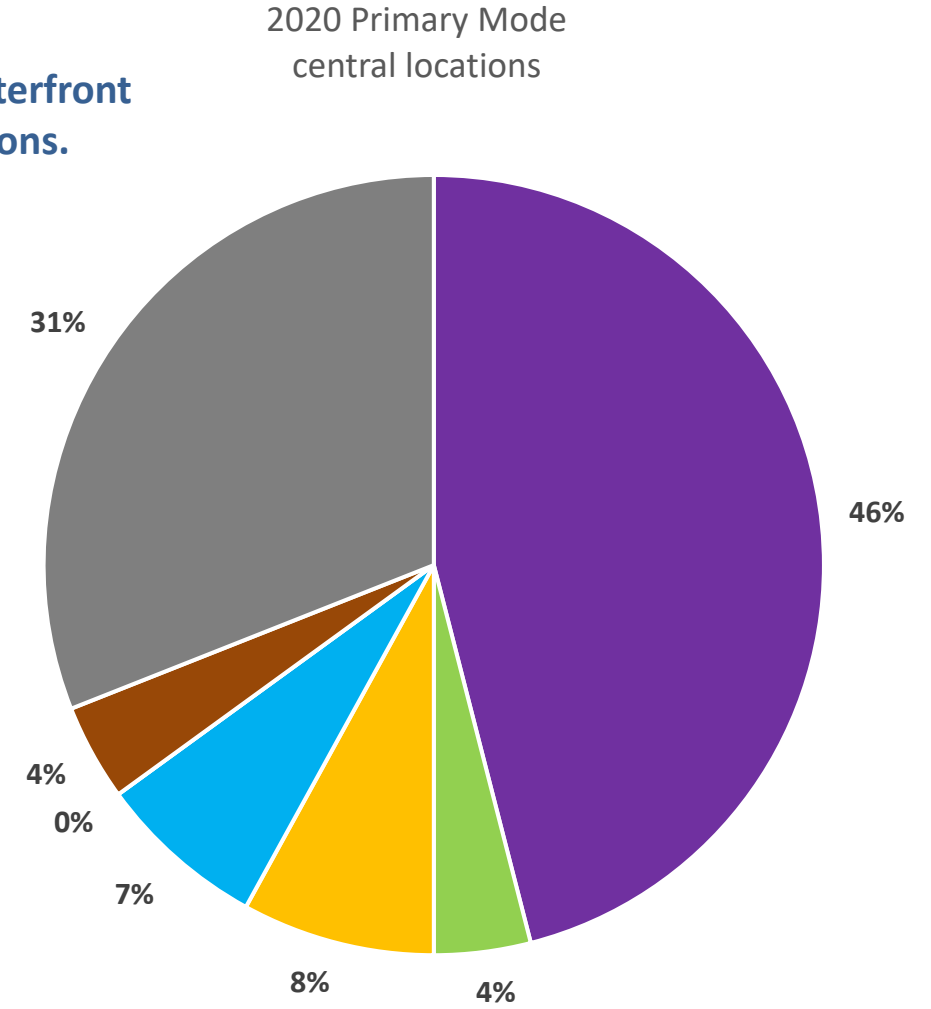
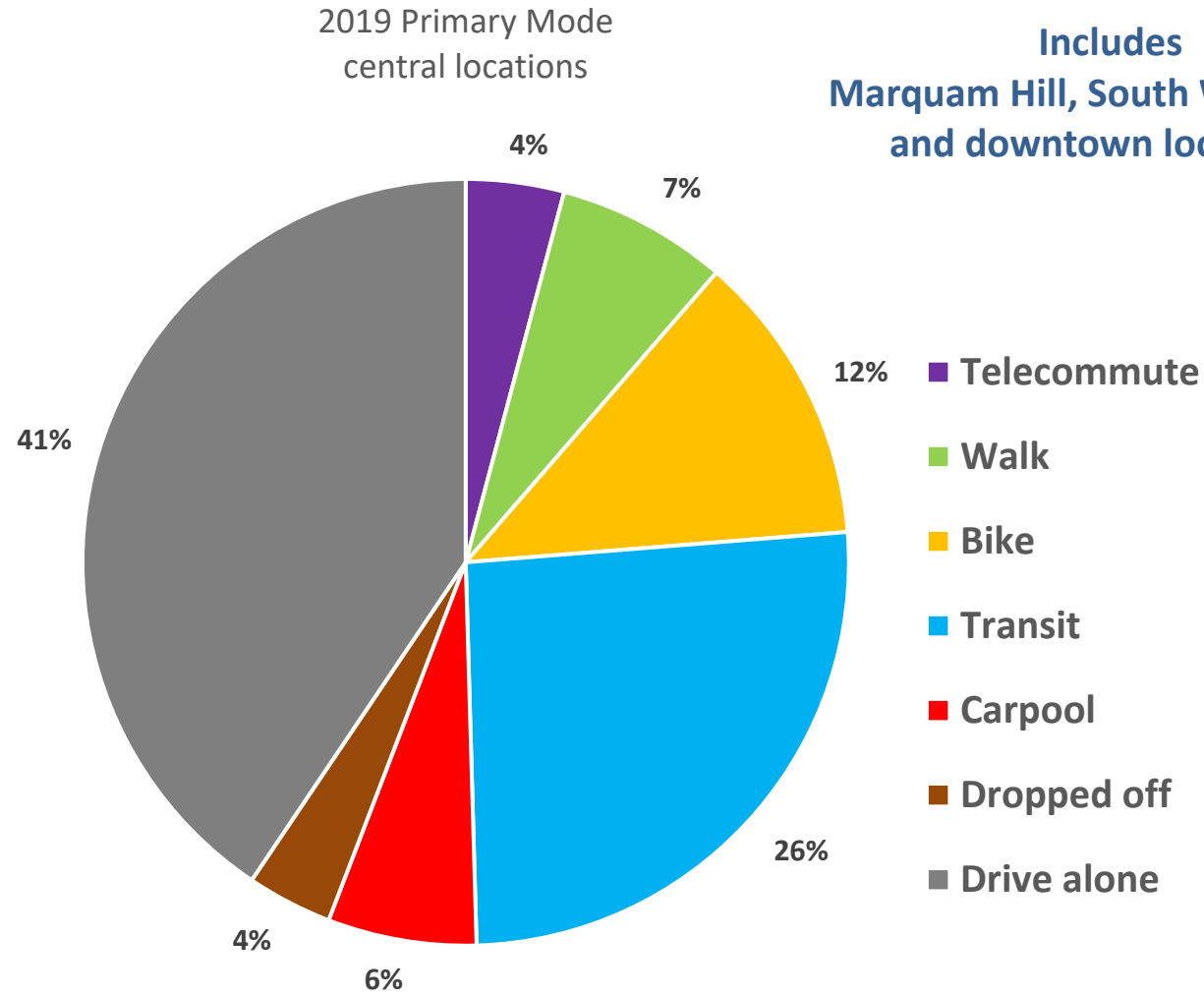
2019 Census vs 2020 Census (Q13)

Q13

PRIMARY MODE BY YEAR

CENTRAL LOCATIONS

Includes
Marquam Hill, South Waterfront
and downtown locations.

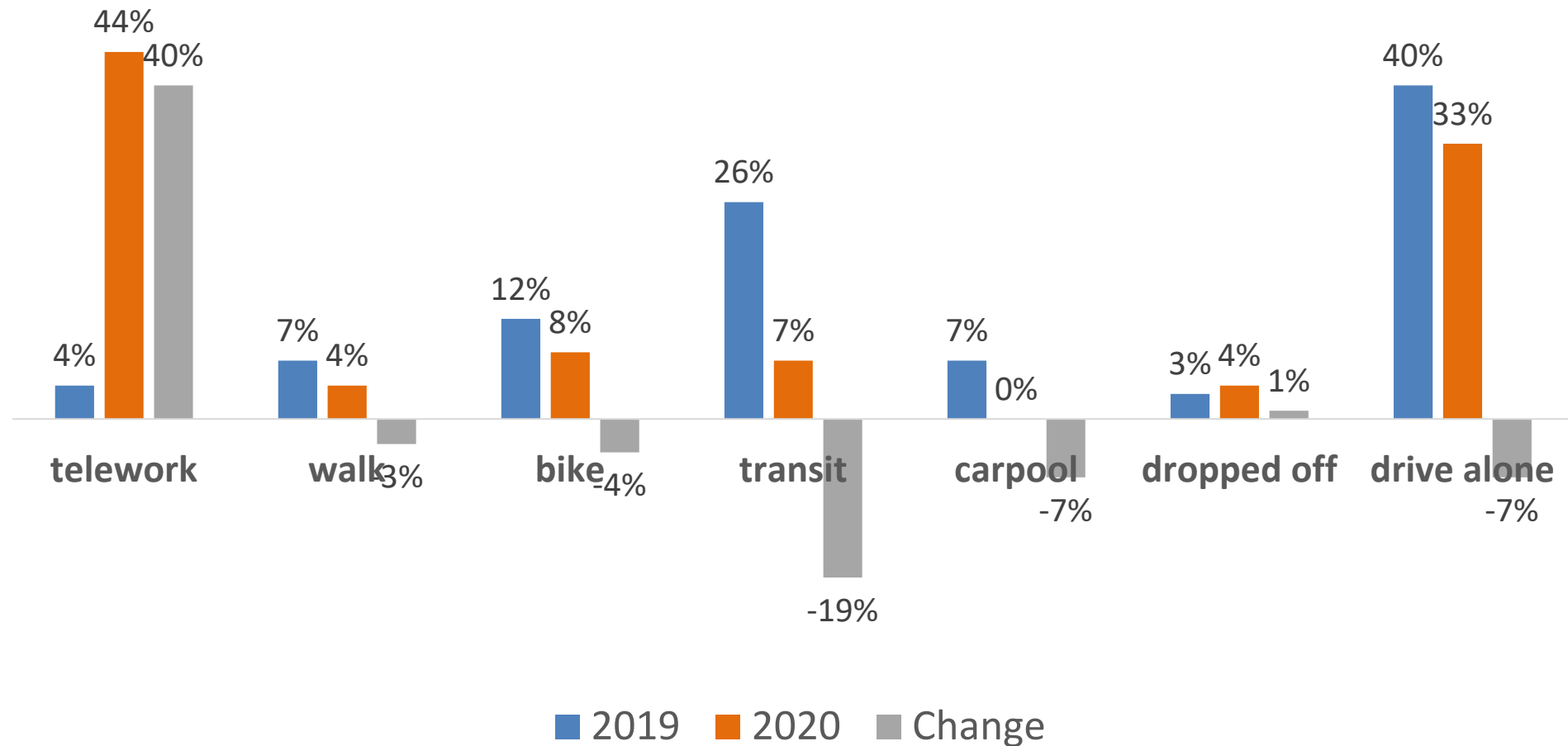


2019 Census vs 2020 Census (Q13)

Q13

PRIMARY MODE BY YEAR

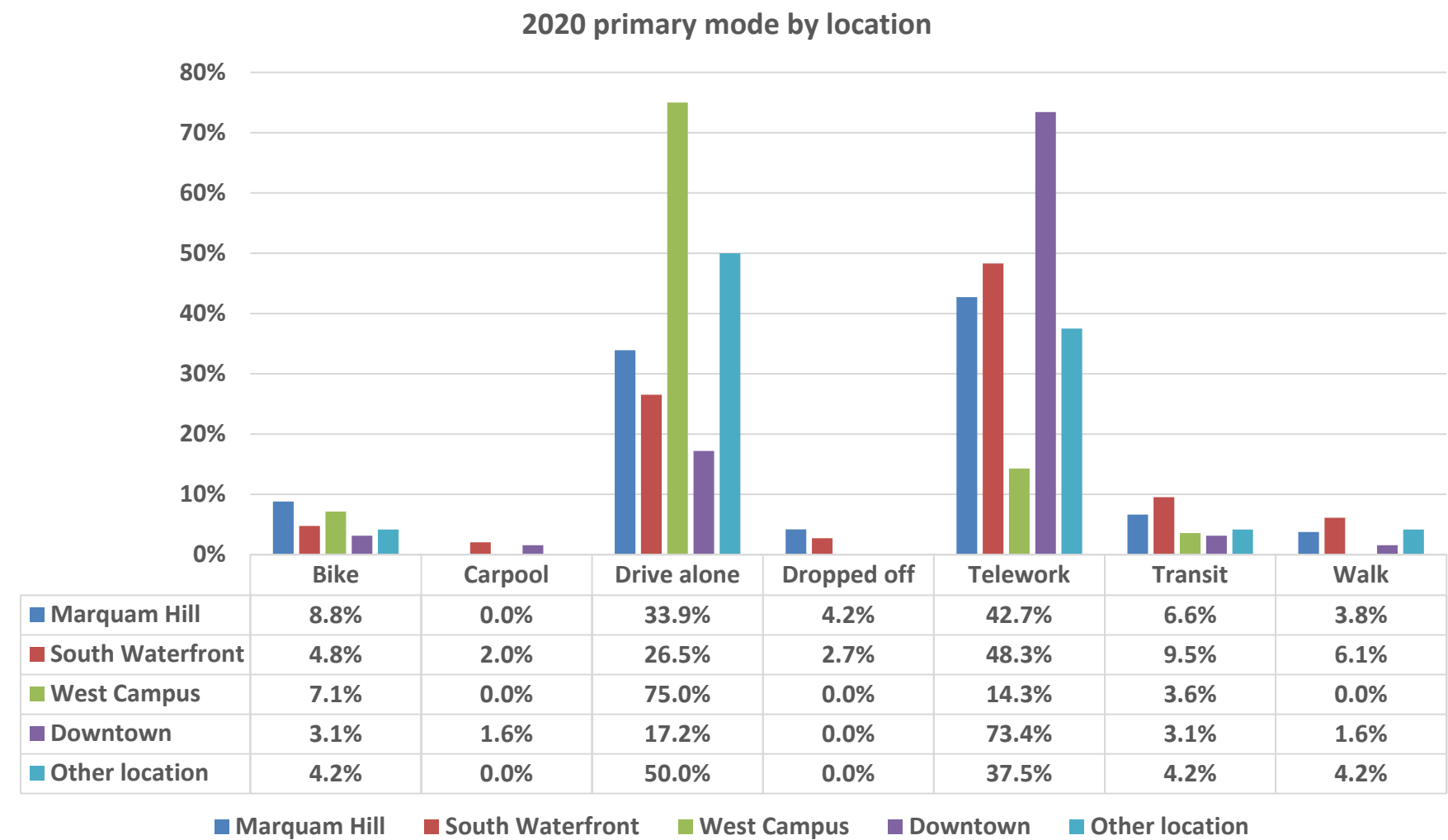
OHSU primary mode
2019 vs 2020



PRIMARY MODE BY LOCATION

Q13: What is your primary mode currently?

Bike and take transit? Select bike. Drive to a park and ride? Select transit



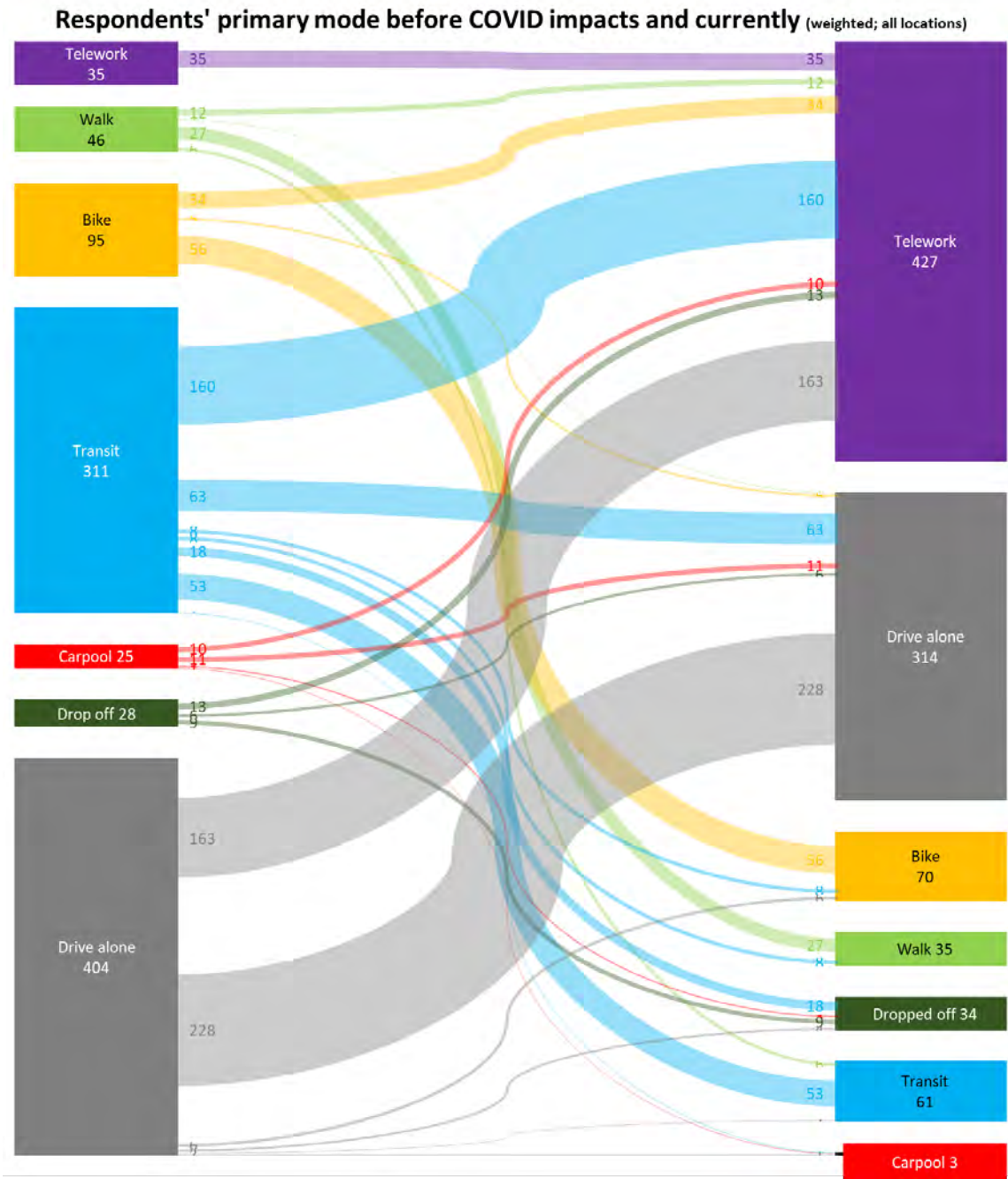
Respondent locations	%	Count
Marquam Hill	25%	264
South Waterfront	22%	233
West Campus	10%	104
Downtown	29%	306
Other location	14%	145
Total	100%	1052

Downtown includes Fifth Ave, Foundation, Market Square, Marquam Plaza and Marquam II.

COVID IMPACT

Q10:
Prior to OHSU's COVID impacts, what was your primary mode?

If you drove to a park and ride, and then took transit, select transit. If you parked a bike on campus, select bike. Otherwise this is the mode you took for the longest distance of your commute.



Q13:
What is your primary mode currently?

Bike and take transit? Select bike.
Drive to a park and ride? Select transit

- Telework – unchanged
- Walk – majority unchanged, quarter into telework, some into transit
- Bike – majority unchanged, third into telework
- Transit – half to telework, 1 in 5 to drive alone, 1 in 10 to drop off
- Carpool –half to driving, half to telework
- Drive alone – 4 in 10 to telework

Q13

COVID IMPACT

Q10:
Prior to OHSU's COVID impacts, what was your primary mode?

Telework – unchanged

Walk – majority unchanged, quarter into telework, some into transit

Bike – majority unchanged, third into telework

Transit – half to telework, 1 in 5 to drive alone, 1 in 10 to drop off

Carpool –half to driving, half to telework

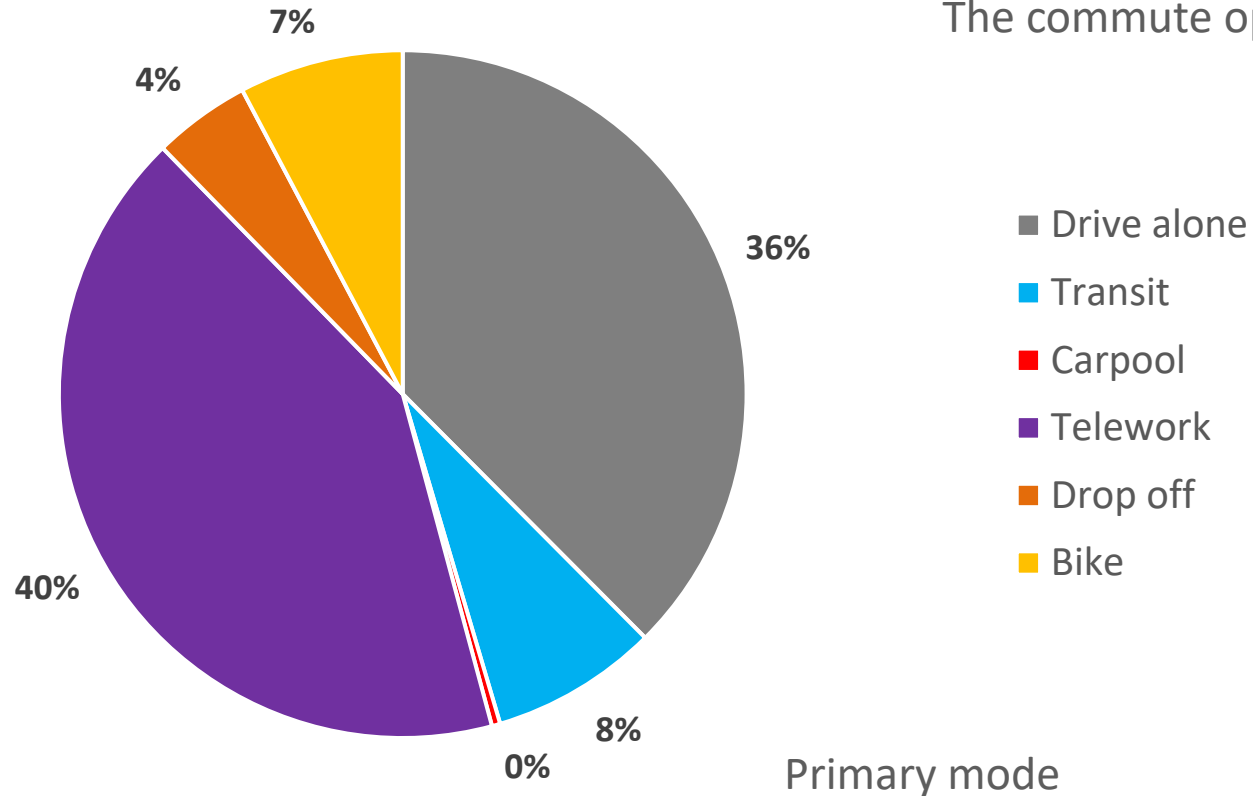
Drive alone – 4 in 10 to telework

PREVIOUS MODE		Primary mode prior to COVID							Total	Primary user's change away from mode
		Telework	Drive alone	Bike	Walk	Dropped off	Transit	Carpool		
	Walk	42%	6%	0%	48%	0%	4%	0%	48	-52%
	Transit	55%	20%	3%	2%	4%	15%	1%	291	-85%
	Telework	100%	0%	0%	0%	0%	0%	0%	38	0%
	Drop off	65%	12%	0%	0%	24%	0%	0%	17	-76%
	Drive alone	42%	55%	1%	0%	0%	1%	0%	448	-45%
	Carpool	54%	29%	0%	0%	4%	0%	14%	28	-86%
	Bike	43%	6%	49%	1%	0%	1%	0%	84	-51%

Q13:
What is your primary mode currently?

Q13

2020 Employee Commute Options Survey by Day of Week



ECO TRIPS

The commute options respondents chose in the week prior to survey

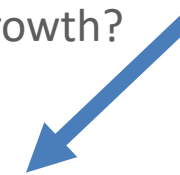
Q5:

How did you travel to work during the LAST WEEK you worked?

If you used more than one method, mark the one in which you traveled the farthest.

1.3% of people who primarily drive alone reported replacing a commute trip with a compressed work week.

Potential area for growth?



Options taken
week of survey

Mode	Telework	Walk	Bike	Transit	Carpool	Dropped off	Drive alone
Compressed work week	2.2%	5.9%	3.9%	2.4%	0.0%	0.0%	1.3%
Telework	87.4%	6.4%	6.0%	11.6%	38.9%	7.3%	14.2%
Walk	0.3%	78.3%	1.0%	4.4%	0.0%	8.5%	0.9%
Bike	0.8%	1.0%	71.5%	0.0%	0.0%	0.0%	0.9%
Transit	3.2%	7.9%	3.9%	68.9%	0.0%	0.0%	1.5%
Carpool	0.0%	0.0%	0.0%	0.7%	44.4%	0.0%	0.1%
Drop off	0.6%	0.0%	2.3%	1.4%	5.6%	77.4%	0.0%
Drive alone	5.6%	0.5%	11.4%	10.6%	11.1%	6.8%	81.2%

Q5

ECO TRIPS VS TRIPS IMPACTED BY COVID

Q6 - Have OHSU's COVID-19 operations altered your commute to OHSU?

Answer	%	Count
Yes	66%	777
No	34%	393

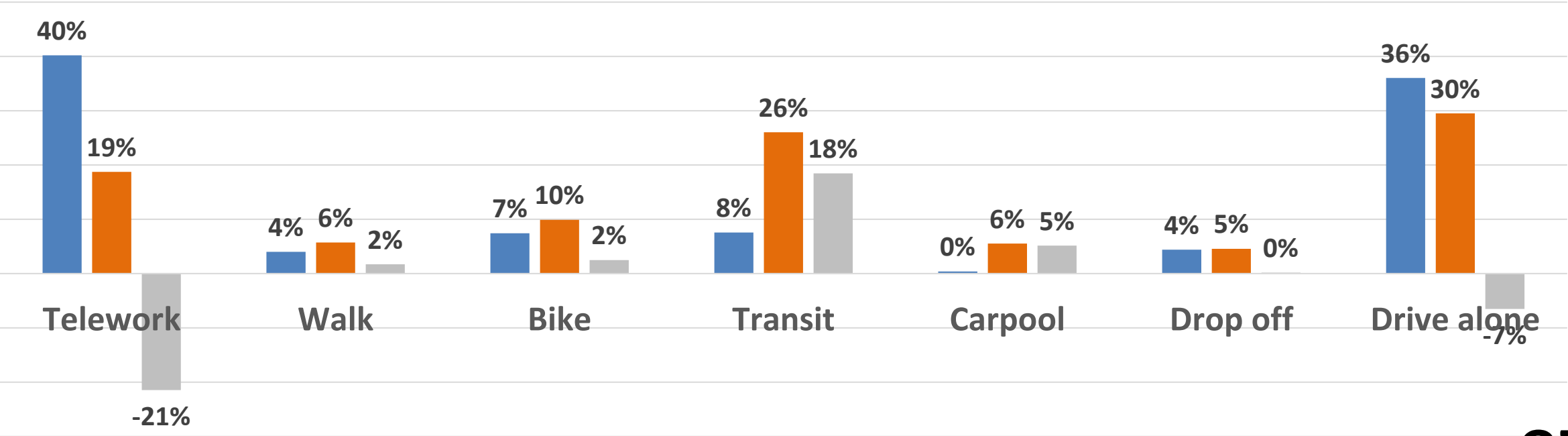
Q7: If COVID-19 was NOT altering your commute:

How many days per week would you typically take each mode to OHSU?

Select every option you take, even if its just part of the trip.

Actual If no impacts Delta

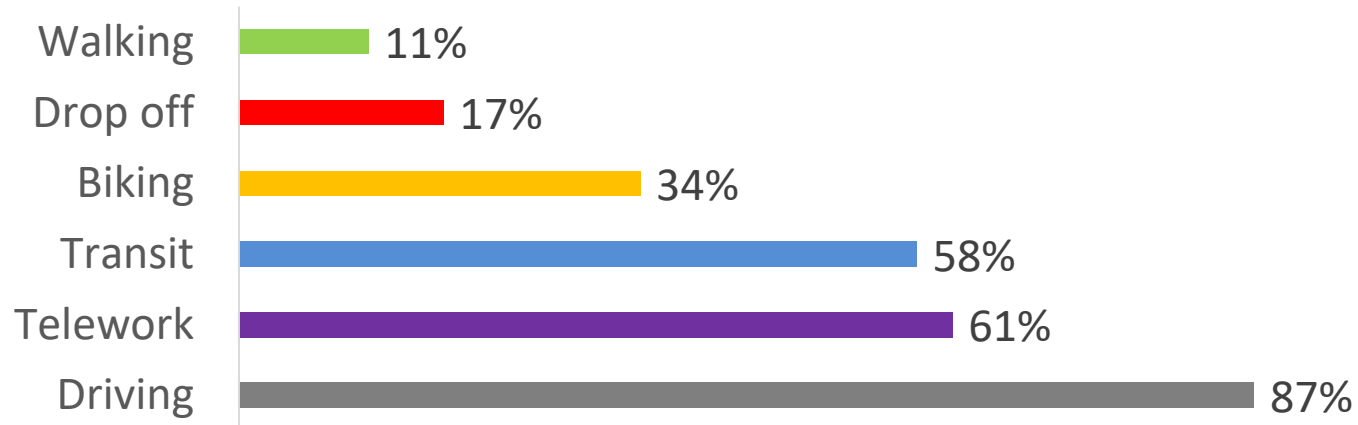
Actual (Q5) vs If no impacts (Q7)



Q7

ACCESS TO MODES

Q8 - Do you have the following available to you?



Driving: An automobile for you to drive for commuting.

Telework: A role that is possible to perform as telework at least part-time.

Transit: A transit route near your home or a convenient Park and Ride.

Biking: A bike or other self-powered vehicle for commuting.

Rideshare/drop off: Access to a vehicle to be dropped off at work.

Walk: A home location within a walkable distance and route to OHSU.

Most people have access to driving, telework and transit.
A third have access to biking. Most do not have access to walking.

Q8



Q11 – FACTORS THAT AFFECT TRAVEL BEHAVIOR

are you most likely to take these modes to OHSU? Select all that apply.

		TELEWORK	WALK	BIKE	TRANSIT	CARPPOOL	DROP OFF	DRIVE ALONE
☀️	Good weather	84%	120%	157%	92%	78%	67%	84%
❄️	Bad weather	114%	42%	43%	97%	95%	156%	100%
🕒👍	Peak travel times	94%	62%	92%	95%	113%	100%	88%
🌙	Night time	69%	17%	24%	23%	43%	94%	76%
🕒👎	Daytime, off peak	70%	49%	64%	52%	45%	86%	72%

This question is linked to Q7, the modes people would take if not for COVID impacts.

Where this score is above 100%, more people said they would take this mode given preferable conditions than said they normally would be taking the mode in Q7.

DEFINITIONS

- Good or bad weather** is simply your own opinion of weather good or bad enough to alter your commute.
- Peak travel times:** Weekdays from 7am to 9am; 3pm to 6pm.
 - Night:** 9pm to 5am
 - Daytime, off peak:** swing shift, 7 to 7 shift, weekends, etc.

People are more likely to walk and bike in good weather and get dropped off in bad weather.

People are less likely to walk, bike, or take transit at night.

Q11



ALTERNATIVES TO COMMUTING

Two thirds of respondents are interested in “teleworking, at least part-time.”

Nearly half were interested in “condensed work weeks (4 days of 10 hour shifts, for example).”

1 in 5 were interested in an “off-campus work site closer to home).”

4 in 10 drivers were interested in condensed work weeks.

Are you interested in any of the following long term strategies?	Percent
Teleworking at least part-time.	66%
Condensed work week (4 days of 10 hour shifts, for example).	47%
I am not interested in those strategies or they are not possible in my role.	24%
An off-campus work site closer to home.	21%
Commuting at off-peak times (10:30am to 7pm, for example).	13%
Total respondents	1002

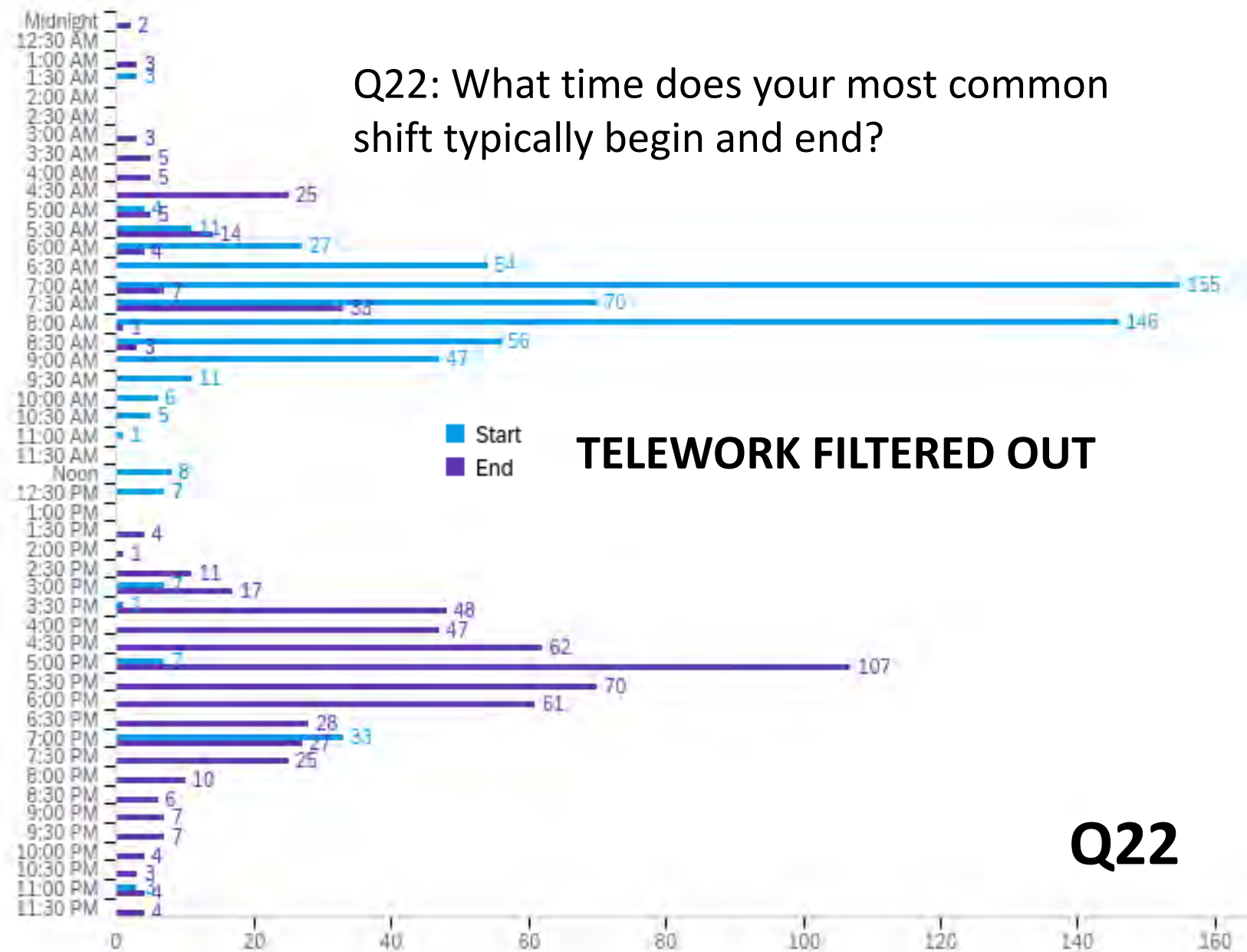
BREAKOUT BY PRIMARY MODE

Alternatives to commuting	TELEWORK	DRIVE ALONE	BIKE	WALK	DROPPED OFF	TRANSIT	CARPOOL
An off-campus work site closer to home.	31%	18%	10%	10%	13%	20%	27%
Commuting at off-peak times (10:30am to 7pm, for example).	17%	15%	11%	7%	11%	20%	0%
Condensed work week (4 days of 10 hour shifts, for example).	54%	41%	31%	44%	47%	52%	53%
I am not interested in those strategies or they are not possible in my role.	5%	45%	61%	24%	51%	33%	20%
Teleworking at least part-time.	92%	45%	28%	53%	49%	33%	100%
Respondents (weighted)	453	310	54	32	17	48	7



COMMUTE TIMES

Q22: What time does your most common shift typically begin and end?



Q22

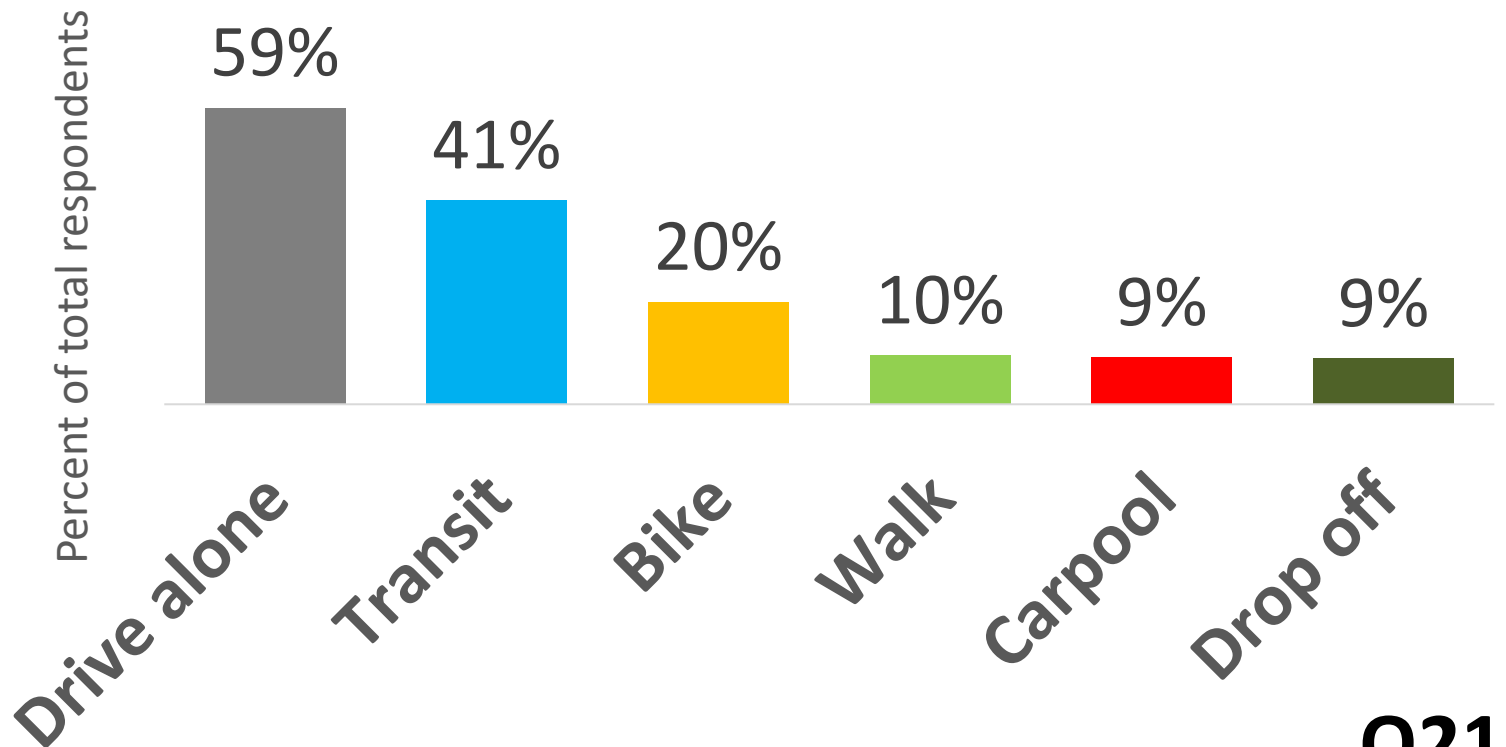


TELEWORK

Q21 – Marquam Hill, South Waterfront, Downtown (not weighted)

**Which options would you choose
if telecommute was unavailable?**

Select all that apply.



Q21

BIKING FACTORS

Percent of respondents	What would help you bike to OHSU?
41.7%	More bike friendly facilities on my route (bike lanes, paths, boxes, signals, etc.)
37.0%	Additional equipment (lights, helmet, rain gear, etc.)
35.2%	A shorter route
33.3%	Financial assistance with purchase of a bike
32.4%	Would you like to provide more details about your needs for biking?
13.9%	Repair of my current bike
11.1%	Help trip planning, self-maintenance, etc.
3.7%	A bike buddy
255	Total respondents

Q15





TRANSIT

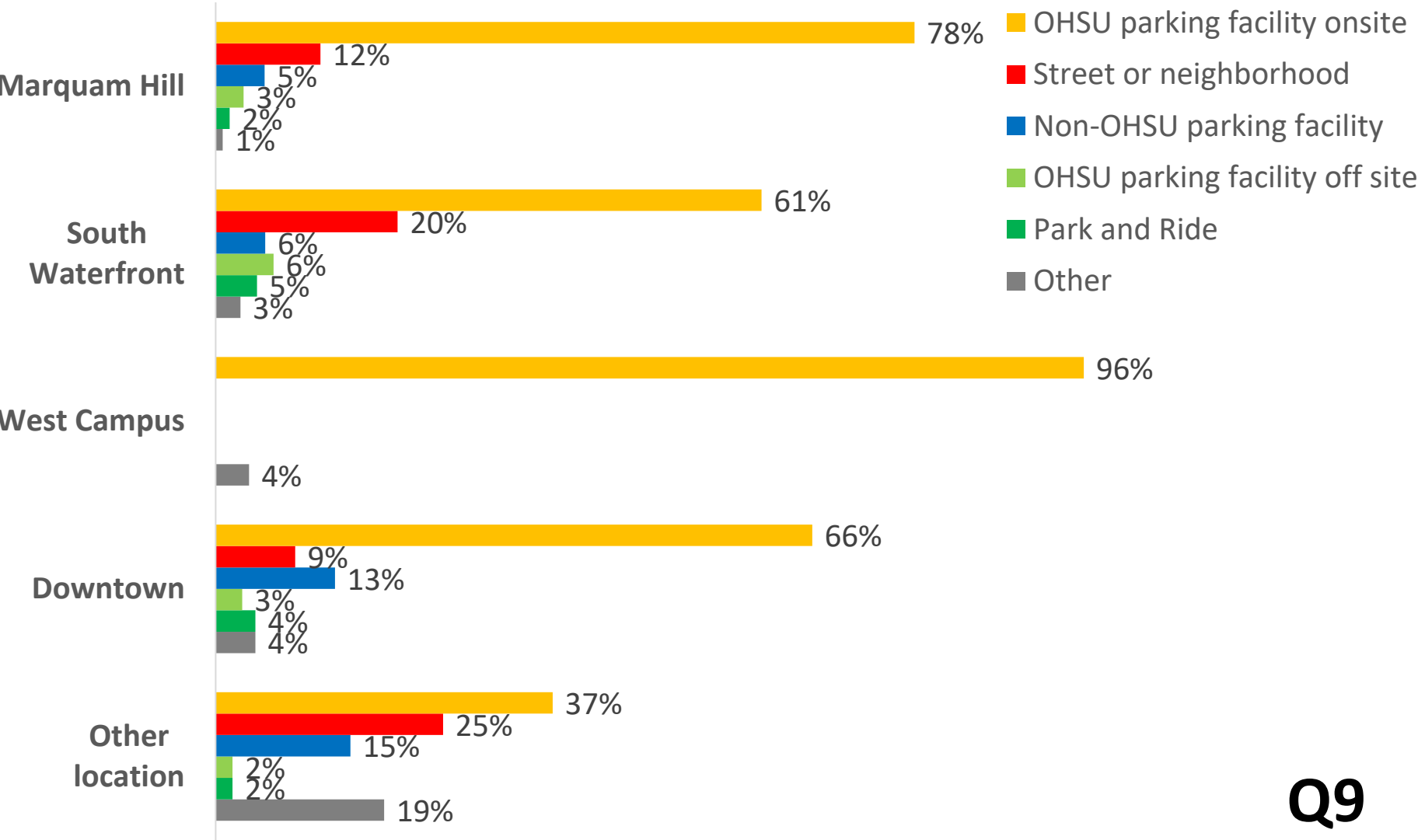
Q19 - Please select any factors that would make you more likely to choose transit.		
	%	Count
Faster route (shorter, more direct, and/or less stops).	57%	493
Increased sanitary protocols.	45%	389
More frequent service.	41%	353
Increased sense of safety.	35%	306
Less passengers per bus.	34%	297
Reduced transfers.	31%	268
More flexibility with my work schedule.	27%	234
Other (please specify).	20%	178
A Park and Ride that connects me to more transit options.	17%	150
Help with planning the trip.	4%	31
Total respondents	871	3152

Q19



Q9: When you've driven to campus, where did you typically park your personal vehicle?

PARKING LOCATIONS



PREFERRED TRANSPORTATION OPTIONS

Q14: Provided the right resources and conditions, what would be your preferred commuting options?

Mode	Score out of 5	strongly preferred	preferred	unsure / neutral	not preferred	strongly not preferred
Telework	3.47	37.4%	19.3%	28.6%	4.5%	10.2%
Drive alone	3.37	33.4%	26.1%	21.3%	9.3%	10.0%
Bike	3	13.1%	12.1%	32.7%	11.8%	30.3%
Walk	2.94	7.0%	7.9%	34.7%	11.8%	38.7%
Transit	2.73	8.3%	22.1%	30.2%	17.4%	22.0%
Dropped off	2.57	5.5%	13.8%	47.1%	13.5%	20.2%
Carpool	2.51	3.9%	7.7%	38.0%	23.0%	27.4%

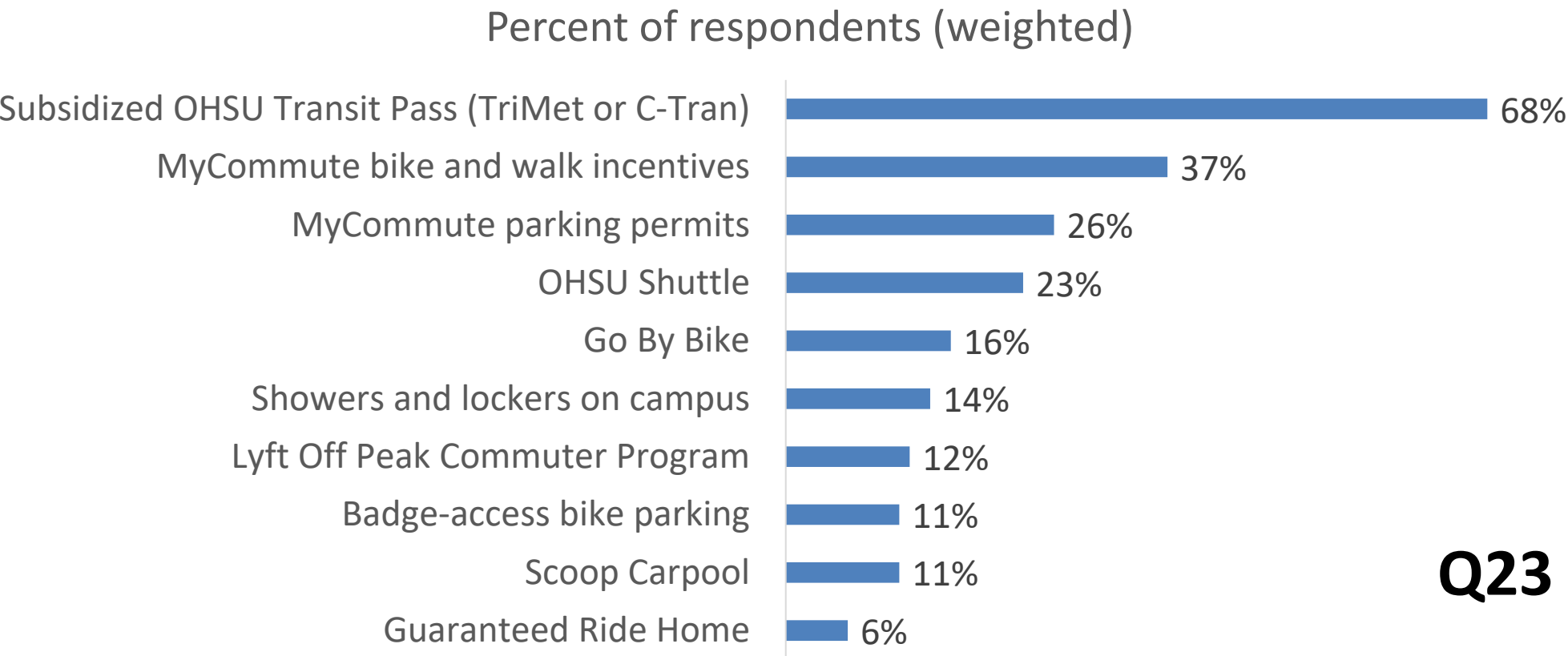
Nearly 6 in 10 people prefer telework.

Q14



OHSU IMPACT BY PROGRAM

Q23: Have any of the following programs assisted your commute at any time?



Q23

OHSU IMPACT ON COMMUTE CHOICES

Q25: Do OHSU programs, policies and operations make you more likely or less likely to choose each mode?



Q25





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