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  by year, central locations pie chart
  by year bar chart
  location breakout
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  Sankey diagram
  heat table
ECO trips
  ECO trips overall results
  ECO trips vs trips impacted by COVID
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  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

1,053 OHSU employees were surveyed Summer 2020 by OHSU Transportation and Parking
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 Primary Mode
all locations

2020 Primary Mode
all locations

- telework
- walk
- bike
- transit
- carpool
- dropped off
- drive alone

2019 Census vs 2020 Census (Q13)
2019 Census vs 2020 Census (Q13)

**PRIMARY MODE BY YEAR CENTRAL LOCATIONS**

Inclueds
Marquam Hill, South Waterfront and downtown locations.

2019 Primary Mode central locations

- Telecommute: 41%
- Drive alone: 6%
- Carpool: 4%
- Dropped off: 4%
- Transit: 26%
- Bike: 7%
- Walk: 4%

2020 Primary Mode central locations

- Telecommute: 46%
- Drive alone: 31%
- Carpool: 8%
- Dropped off: 4%
- Transit: 7%
- Bike: 4%
- Walk: 0%
OHSU primary mode
2019 vs 2020
Q13: What is your primary mode currently?
Bike and take transit? Select bike. Drive to a park and ride? Select transit

2020 primary mode by location

<table>
<thead>
<tr>
<th>Mode</th>
<th>Marquam Hill</th>
<th>South Waterfront</th>
<th>West Campus</th>
<th>Downtown</th>
<th>Other location</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bike</td>
<td>8.8%</td>
<td>4.8%</td>
<td>7.1%</td>
<td>3.1%</td>
<td>4.2%</td>
</tr>
<tr>
<td>Carpool</td>
<td>0.0%</td>
<td>2.0%</td>
<td>0.0%</td>
<td>1.6%</td>
<td>0.0%</td>
</tr>
<tr>
<td>Drive alone</td>
<td>33.9%</td>
<td>26.5%</td>
<td>75.0%</td>
<td>17.2%</td>
<td>50.0%</td>
</tr>
<tr>
<td>Dropped off</td>
<td>4.2%</td>
<td>2.7%</td>
<td>0.0%</td>
<td>0.0%</td>
<td>0.0%</td>
</tr>
<tr>
<td>Telework</td>
<td>42.7%</td>
<td>48.3%</td>
<td>14.3%</td>
<td>73.4%</td>
<td>37.5%</td>
</tr>
<tr>
<td>Transit</td>
<td>6.6%</td>
<td>9.5%</td>
<td>3.6%</td>
<td>3.1%</td>
<td>4.2%</td>
</tr>
<tr>
<td>Walk</td>
<td>3.8%</td>
<td>6.1%</td>
<td>0.0%</td>
<td>1.6%</td>
<td>4.2%</td>
</tr>
</tbody>
</table>

Respondent locations

- 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.
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
### 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

### Q13: What is your primary mode currently?

<table>
<thead>
<tr>
<th>Mode</th>
<th>Telework</th>
<th>Drive alone</th>
<th>Bike</th>
<th>Walk</th>
<th>Dropped off</th>
<th>Transit</th>
<th>Carpool</th>
<th>Total</th>
<th>Primary user's change away from mode</th>
</tr>
</thead>
<tbody>
<tr>
<td>Walk</td>
<td>42%</td>
<td>6%</td>
<td>0%</td>
<td>48%</td>
<td>0%</td>
<td>4%</td>
<td>0%</td>
<td>48</td>
<td>-52%</td>
</tr>
<tr>
<td>Transit</td>
<td>55%</td>
<td>20%</td>
<td>3%</td>
<td>2%</td>
<td>4%</td>
<td>15%</td>
<td>1%</td>
<td>291</td>
<td>-85%</td>
</tr>
<tr>
<td>Telework</td>
<td>100%</td>
<td>0%</td>
<td>0%</td>
<td>0%</td>
<td>0%</td>
<td>0%</td>
<td>0%</td>
<td>38</td>
<td>0%</td>
</tr>
<tr>
<td>Drop off</td>
<td>65%</td>
<td>12%</td>
<td>0%</td>
<td>0%</td>
<td>24%</td>
<td>0%</td>
<td>0%</td>
<td>17</td>
<td>-76%</td>
</tr>
<tr>
<td>Drive alone</td>
<td>42%</td>
<td>55%</td>
<td>1%</td>
<td>0%</td>
<td>0%</td>
<td>1%</td>
<td>0%</td>
<td>448</td>
<td>-45%</td>
</tr>
<tr>
<td>Carpool</td>
<td>54%</td>
<td>29%</td>
<td>0%</td>
<td>0%</td>
<td>4%</td>
<td>0%</td>
<td>14%</td>
<td>28</td>
<td>-86%</td>
</tr>
<tr>
<td>Bike</td>
<td>43%</td>
<td>6%</td>
<td>49%</td>
<td>1%</td>
<td>0%</td>
<td>1%</td>
<td>0%</td>
<td>84</td>
<td>-51%</td>
</tr>
</tbody>
</table>

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
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?
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.

ECO TRIPS VS TRIPS IMPACTED BY COVID

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

<table>
<thead>
<tr>
<th>Answer</th>
<th>%</th>
<th>Count</th>
</tr>
</thead>
<tbody>
<tr>
<td>Yes</td>
<td>66</td>
<td>777</td>
</tr>
<tr>
<td>No</td>
<td>34</td>
<td>393</td>
</tr>
</tbody>
</table>

Actual (Q5) vs If no impacts (Q7)
### ACCESS TO MODES

Q8 - Do you have the following available to you?

<table>
<thead>
<tr>
<th>Mode</th>
<th>Percent</th>
</tr>
</thead>
<tbody>
<tr>
<td>Walking</td>
<td>11%</td>
</tr>
<tr>
<td>Drop off</td>
<td>17%</td>
</tr>
<tr>
<td>Biking</td>
<td>34%</td>
</tr>
<tr>
<td>Transit</td>
<td>58%</td>
</tr>
<tr>
<td>Telework</td>
<td>61%</td>
</tr>
<tr>
<td>Driving</td>
<td>87%</td>
</tr>
</tbody>
</table>

**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.
Q11 – FACTORS THAT AFFECT TRAVEL BEHAVIOR

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

<table>
<thead>
<tr>
<th></th>
<th>TELEWORK</th>
<th>WALK</th>
<th>BIKE</th>
<th>TRANSIT</th>
<th>CARPOOL</th>
<th>DROP OFF</th>
<th>DRIVE ALONE</th>
</tr>
</thead>
<tbody>
<tr>
<td>Good weather</td>
<td>84%</td>
<td>120%</td>
<td>157%</td>
<td>92%</td>
<td>78%</td>
<td>67%</td>
<td>84%</td>
</tr>
<tr>
<td>Bad weather</td>
<td>114%</td>
<td>42%</td>
<td>43%</td>
<td>97%</td>
<td>95%</td>
<td>156%</td>
<td>100%</td>
</tr>
<tr>
<td>Peak travel times</td>
<td>94%</td>
<td>62%</td>
<td>92%</td>
<td>95%</td>
<td>113%</td>
<td>100%</td>
<td>88%</td>
</tr>
<tr>
<td>Night time</td>
<td>69%</td>
<td>17%</td>
<td>24%</td>
<td>23%</td>
<td>43%</td>
<td>94%</td>
<td>76%</td>
</tr>
<tr>
<td>Daytime, off peak</td>
<td>70%</td>
<td>49%</td>
<td>64%</td>
<td>52%</td>
<td>45%</td>
<td>86%</td>
<td>72%</td>
</tr>
</tbody>
</table>

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.
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.

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

Total respondents 1002

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%

Respondents (weighted) 453 310 54 32 17 48 7
Q22: What time does your most common shift typically begin and end?

COMMUTE TIMES

TELEWORK FILTERED OUT
Which options would you choose if telecommute was unavailable? Select all that apply.
### BIKING FACTORS

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

255 Total respondents
Q19 - Please select any factors that would make you more likely to choose transit.

<table>
<thead>
<tr>
<th>Factor</th>
<th>%</th>
<th>Count</th>
</tr>
</thead>
<tbody>
<tr>
<td>Faster route (shorter, more direct, and/or less stops).</td>
<td>57%</td>
<td>493</td>
</tr>
<tr>
<td>Increased sanitary protocols.</td>
<td>45%</td>
<td>389</td>
</tr>
<tr>
<td>More frequent service.</td>
<td>41%</td>
<td>353</td>
</tr>
<tr>
<td>Increased sense of safety.</td>
<td>35%</td>
<td>306</td>
</tr>
<tr>
<td>Less passengers per bus.</td>
<td>34%</td>
<td>297</td>
</tr>
<tr>
<td>Reduced transfers.</td>
<td>31%</td>
<td>268</td>
</tr>
<tr>
<td>More flexibility with my work schedule.</td>
<td>27%</td>
<td>234</td>
</tr>
<tr>
<td>Other (please specify).</td>
<td>20%</td>
<td>178</td>
</tr>
<tr>
<td>A Park and Ride that connects me to more transit options.</td>
<td>17%</td>
<td>150</td>
</tr>
<tr>
<td>Help with planning the trip.</td>
<td>4%</td>
<td>31</td>
</tr>
<tr>
<td>Total respondents</td>
<td>871</td>
<td>3152</td>
</tr>
</tbody>
</table>
Q9: When you've driven to campus, where did you typically park your personal vehicle?

<table>
<thead>
<tr>
<th>Location</th>
<th>OHSU parking facility onsite</th>
<th>Street or neighborhood</th>
<th>Non-OHSU parking facility</th>
<th>OHSU parking facility off site</th>
<th>Park and Ride</th>
<th>Other</th>
</tr>
</thead>
<tbody>
<tr>
<td>Marquam Hill</td>
<td>12%</td>
<td>5%</td>
<td>3%</td>
<td>2%</td>
<td>1%</td>
<td>1%</td>
</tr>
<tr>
<td>South Waterfront</td>
<td>20%</td>
<td>6%</td>
<td>6%</td>
<td>3%</td>
<td>5%</td>
<td>3%</td>
</tr>
<tr>
<td>West Campus</td>
<td>78%</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>4%</td>
</tr>
<tr>
<td>Downtown</td>
<td>9%</td>
<td>3%</td>
<td>4%</td>
<td>4%</td>
<td></td>
<td>4%</td>
</tr>
<tr>
<td>Other location</td>
<td>37%</td>
<td>25%</td>
<td>15%</td>
<td>2%</td>
<td></td>
<td>2%</td>
</tr>
</tbody>
</table>

PARKING LOCATIONS

- OHSU parking facility onsite
- Street or neighborhood
- Non-OHSU parking facility
- OHSU parking facility off site
- Park and Ride
- Other
## PREFERRED TRANSPORTATION OPTIONS

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

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

Nearly 6 in 10 people prefer telework.
OHSU IMPACT BY PROGRAM

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

Percent of respondents (weighted)

- Subsidized OHSU Transit Pass (TriMet or C-Tran): 68%
- MyCommute bike and walk incentives: 37%
- MyCommute parking permits: 26%
- OHSU Shuttle: 23%
- Go By Bike: 16%
- Showers and lockers on campus: 14%
- Lyft Off Peak Commuter Program: 12%
- Badge-access bike parking: 11%
- Scoop Carpool: 11%
- Guaranteed Ride Home: 6%
OHSU IMPACT ON COMMUTE CHOICES

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