About the Project

- Motivations for conducting the survey
- Research question and planning/policy relevance
- UW-PSRC collaboration
Data collection: 6 weeks, April to June 2020
5+ weeks into working at home (87.4%)
Survey Respondent Characteristics | Age

**Age-Survey**

- 18-29: 17%
- 30-39: 22%
- 40-49: 20%
- 50-59: 24%
- 60-69: 14%
- 70+: 3%

**Age-ACS**

- 18-29: 22%
- 30-39: 20%
- 40-49: 17%
- 50-59: 17%
- 60-69: 14%
- 70+: 11%
Survey Respondent Characteristics | Sex

**Sex-Survey**

- **Female**: 67%
- **Male**: 33%

**Sex-ACS**

- **Female**: 50%
- **Male**: 50%
Survey Respondent Characteristics | Education
Survey Respondent Characteristics | Income

**Inc-Survey**
- Under $40,000: 8%
- $40,000-$59,999: 8%
- $60,000-$149,999: 52%
- Above $150,000: 31%

**Inc-ACS**
- Under $40,000: 23%
- $40,000-$59,999: 14%
- $60,000-$149,999: 42%
- Above $150,000: 21%
Survey Respondent Characteristics | Housing Tenure

Tenure-Survey

- Own: 69%
- Rent: 32%

Tenure-ACS

- Own: 61%
- Rent: 39%
### Employment Status

<table>
<thead>
<tr>
<th>Group</th>
<th>Percentage</th>
</tr>
</thead>
<tbody>
<tr>
<td>Group 6: previously work away, post wfh</td>
<td>64%</td>
</tr>
<tr>
<td>Group 5: previously work away, post work away</td>
<td>14%</td>
</tr>
<tr>
<td>Group 4: previously work away, post unemployed</td>
<td>2%</td>
</tr>
<tr>
<td>Group 3: previously wfh</td>
<td>11%</td>
</tr>
<tr>
<td>Group 2: previously unemployed</td>
<td>6%</td>
</tr>
<tr>
<td>Group 1: total isolation</td>
<td>3%</td>
</tr>
</tbody>
</table>

### Survey Respondent Characteristics | Work and Home Life

### Living Arrangement

<table>
<thead>
<tr>
<th>Living Arrangement</th>
<th>Percentage</th>
</tr>
</thead>
<tbody>
<tr>
<td>partner</td>
<td>39%</td>
</tr>
<tr>
<td>children</td>
<td>27%</td>
</tr>
<tr>
<td>friends &amp; relatives</td>
<td>16%</td>
</tr>
<tr>
<td>live alone</td>
<td>15%</td>
</tr>
<tr>
<td>others</td>
<td>3%</td>
</tr>
</tbody>
</table>
WP-Q1: Do you feel that, overall, you are more or less productive than you were prior to COVID-19 or when you worked at your workplace?

- Less productive: 39%
- No change: 38%
- More productive: 24%
WP-Q2: Tell us the conditions under which you are working and how you feel about the situation.

<table>
<thead>
<tr>
<th>Conditions</th>
<th>I am productive</th>
<th>I keep regular hours</th>
<th>I spend more time on conference calls</th>
</tr>
</thead>
<tbody>
<tr>
<td>3-Every work day</td>
<td>55%</td>
<td>41%</td>
<td>48%</td>
</tr>
<tr>
<td>2-On most days</td>
<td>32%</td>
<td>30%</td>
<td>38%</td>
</tr>
<tr>
<td>1-On some days</td>
<td>13%</td>
<td>28%</td>
<td>14%</td>
</tr>
</tbody>
</table>
WP-Q3: Reasons for being more productive

- I have more time because I am not commuting: 85%
- Less interference from co-workers: 80%
- Work more hours: 35%
- My tasks are more clearly spelled out: 15%
- I have faster internet: 5%
- Other: 24%

WP-Q4: Reasons for being less productive

- Less efficient communication with co-workers: 59%
- Interference from children or family: 36%
- I don’t have good equipment (computer etc.): 25%
- I have less time to work because of housework: 16%
- My internet connection is poor: 14%
- Other: 56%
Commuting Trips before COVID-19

CT-Q1: what mode(s) of transport did you use to commute to work and how often did you use them on an average week?

<table>
<thead>
<tr>
<th>Mode(s) of Transport</th>
<th>1 or 2 days/week</th>
<th>3+ days/week</th>
</tr>
</thead>
<tbody>
<tr>
<td>driving alone</td>
<td>28%</td>
<td>35%</td>
</tr>
<tr>
<td>transit</td>
<td>25%</td>
<td>34%</td>
</tr>
<tr>
<td>bike or scooter</td>
<td>15%</td>
<td>7%</td>
</tr>
<tr>
<td>walk</td>
<td>14%</td>
<td>17%</td>
</tr>
<tr>
<td>car and van pool</td>
<td>11%</td>
<td>7%</td>
</tr>
<tr>
<td>uber, lyft, taxi</td>
<td>7%</td>
<td>0.3%</td>
</tr>
</tbody>
</table>
Commuting Trips before COVID-19

CT-Q2: on an average day how long was your one-way commute to work by mode?

<table>
<thead>
<tr>
<th>Mode</th>
<th>30min or less</th>
<th>more than 30min</th>
</tr>
</thead>
<tbody>
<tr>
<td>driving alone</td>
<td>38%</td>
<td>28%</td>
</tr>
<tr>
<td>transit</td>
<td>20%</td>
<td>44%</td>
</tr>
<tr>
<td>bike or scooter</td>
<td>9%</td>
<td>9%</td>
</tr>
<tr>
<td>walk</td>
<td>21%</td>
<td>9%</td>
</tr>
<tr>
<td>car and van pool</td>
<td>8%</td>
<td>8%</td>
</tr>
<tr>
<td>uber, lyft, taxi</td>
<td>4%</td>
<td>1%</td>
</tr>
</tbody>
</table>
**Other Trips since COVID-19**

Q: Since COVID-19 social distancing, do you leave home? If you do, what is your purpose for leaving and how often do you do so?

<table>
<thead>
<tr>
<th>Purpose of Leaving</th>
<th>5-&gt;Once every two weeks</th>
<th>4-&gt;Once a week</th>
<th>3-&gt;Every two days</th>
<th>2-&gt;Once a day</th>
<th>1-&gt;Once a day</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bulk shopping for food and goods</td>
<td>53%</td>
<td>45%</td>
<td>1%</td>
<td>0.3%</td>
<td>0.1%</td>
</tr>
<tr>
<td>Occasional shopping for food and goods</td>
<td>Once every two weeks 33%</td>
<td>4-&gt;Once a week 54%</td>
<td>3-&gt;Every two days 13%</td>
<td>2-&gt;Once a day 1%</td>
<td>1-&gt;Once a day 0.2%</td>
</tr>
<tr>
<td>Exercise</td>
<td>5-&gt;Once every two weeks 3%</td>
<td>4-&gt;Once a week 13%</td>
<td>3-&gt;Every two days 29%</td>
<td>2-&gt;Once a day 43%</td>
<td>1-&gt;Once a day 12%</td>
</tr>
</tbody>
</table>
Q: Many of us have adjusted how we get food items or meals due to the risk of COVID-19. Compared to a few weeks ago (i.e., prior to the spread of COVID-19), please indicate whether you have made changes in utilizing the following services:

- Restaurant take-out: 81%
- Restaurant delivery: 45%
- Restaurant curb-side pickup: 47%
- On demand food delivery: 30%
- Meal kit delivery: 8%
- Grocery pickup: 18%
- Grocery delivery: 25%
**Daily Activities**

**Q:** Compared to the time before the spread of COVID-19, how much has your daily life changed in the following areas?

<table>
<thead>
<tr>
<th>Physical activity</th>
<th>Amount of sleep</th>
<th>Sleep quality</th>
</tr>
</thead>
<tbody>
<tr>
<td>3-decrease</td>
<td>3-decrease</td>
<td>3-decrease</td>
</tr>
<tr>
<td>2-no change</td>
<td>2-no change</td>
<td>2-no change</td>
</tr>
<tr>
<td>1-increase</td>
<td>1-increase</td>
<td>1-increase</td>
</tr>
</tbody>
</table>

- **Physical activity**:
  - 3-decrease: 50%
  - 2-no change: 18%
  - 1-increase: 31%

- **Amount of sleep**:
  - 3-decrease: 23%
  - 2-no change: 40%
  - 1-increase: 37%

- **Screen time for leisure**:
  - 3-decrease: 8%
  - 2-no change: 32%
  - 1-increase: 60%

- **Sleep quality**:
  - 3-decrease: 41%
  - 2-no change: 39%
  - 1-increase: 20%
Mental Wellbeing | MW-Q1: Over the past two weeks, how often have you been bothered by any of the following problems?

Feeling down, depressed, or hopeless

- 3-Nearly every day: 5%
- 2-More than half the days: 10%
- 1-Severals days: 38%
- 0-Not at all: 47%

Little interest or pleasure in doing things

- 3-Nearly every day: 5%
- 2-More than half the days: 8%
- 1-Severals days: 42%
- 0-Not at all: 44%
Mental Wellbeing

MW-Q2: Select the answer that best describes how much discomfort that problem has caused you during the past two weeks including today.

**Nervous**
- 2-a lot: 6%
- 1-moderate: 38%
- 0-not at all: 57%

**Suddenly scared**
- 2-a lot: 4%
- 1-moderate: 20%
- 0-not at all: 76%

**Fearful**
- 2-a lot: 7%
- 1-moderate: 45%
- 0-not at all: 49%

**Tense**
- 2-a lot: 15%
- 1-moderate: 54%
- 0-not at all: 30%

**Panic**
- 2-a lot: 3%
- 1-moderate: 14%
- 0-not at all: 82%

**Restless**
- 2-a lot: 3%
- 1-moderate: 14%
- 0-not at all: 82%
Next Steps |

- Develop models on commute trip potentials
- Review of other survey data
- Additional data collection
Thank you.

Anne Vernez Moudon, Dr ès Sc
Professor Emeritus, UW
moudon@uw.edu

Xiao Shi
Research Assistant, UW
xiaoshi@uw.edu

Brian H. Y. Lee, PhD
Principal Planner, PSRC
blee@psrc.org