2017 Household Travel Study Results
TDM Advisory Committee - April 10, 2019

https://www.psrc.org/household-travel-survey-program
Puget Sound Travel Studies

- 1961
- 1971
- 1988
- 1989-2002
- 1999
- 2006
- 2014-2015
- 2017
- 2019
- 2021
The surveys answer the 5 W’s & H:

• **WHO?** Household (HH) & person (Per) socio-demographics

• **WHAT?** HH vehicles, homes, parking; Per employment/school status

• **WHERE?** HH home & Per emp/school locations; Trip origins/destinations

• **WHEN?** HH relocations; Trip/activity times

• **WHY?** HH location factors; Trip purpose; Attitudes

• **HOW?** Usual ways to commute; Trip modes; Deliveries
2017 Survey Sample

Representative sample
• 3,285 HHs (0.22% sampling rate)
• Includes Redmond & Seattle add-ons
• 9 weeks in April-June 2017

Sampling & Stratifications
• Random address sample from USPS
• Targeted areas for oversampling
  • Low-income, no vehicles, renters, young, Regional Growth Centers
  • Lower expected response rates including rural areas
Survey Design

Two-part survey
1. HH info
2. Travel diary

Two groups
1. Smartphone, up to 7 days:
   705 HHs (21%)
   35,024 trips (67%)
2. Online or phone, 1 day only:
   2580 HHs (79%)
   17,469 trips (33%)
What are some uses of the data?

Analysis
• Most recent travel choices and patterns
• Trends: comparisons with previous surveys

Model development
• SoundCast
  • Estimate models of activity/travel choices
• UrbanSim
  • Estimate residential location choice model
Employer Transit Subsidies
Percent of Workers Offered Employer Subsidized Transit

Whether Employer Offers Transit Subsidy

- I don't know: 17%
- Not offered: 48%
- Offered, and I use: 18%
- Offered, but I don't use: 16%
Worker Household Income by Employer Transit Subsidy

Whether Employer Offers Transit Subsidy

- Under $25,000
- $25,000 - $100,000
- $100,000 or more
Worker Age by Employer Transit Subsidy

Whether Employer Offers Transit Subsidy

<table>
<thead>
<tr>
<th>Category</th>
<th>18-64 years</th>
<th>65 years+</th>
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<tbody>
<tr>
<td>I don’t know</td>
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Percent of Workers
Transit Commute Mode Share by Employer Transit Subsidy

![Bar graph showing mode share of work trips by whether employer offers transit subsidy.](image)

- **Offered**: 32%
- **Not offered**: 5%
- **I don’t know**: 5%

Whether Employer Offers Transit Subsidy

- **Work Trips**
Regional Growth Centers

A Proxy for Good Transit Service
Transit Commute Mode Share
by Employer Transit Subsidy
by Work Location

Whether Employer Offers Transit Subsidy

- Not Offered
  - Work Location is in a Regional Growth Center: 17%
  - Work Location is NOT in a Regional Growth Center: 3%

- Offered
  - Work Location is in a Regional Growth Center: 37%
  - Work Location is NOT in a Regional Growth Center: 25%
Employer Transit Subsidy by Work Location

- Not RGC Work
  - I don't know: 20%
  - Not offered: 60%
  - Offered: 20%

- RGC Work
  - I don't know: 0%
  - Not offered: 80%
  - Offered: 20%
Transit Non-Work Trip Mode Share by Employer Transit Subsidy

Whether Employer Offers Transit Subsidy

- I don't know: 3%
- Not offered: 3%
- Offered: 16%

Non-Work Trips
Transit Choices
Usual Way of Paying for Transit

Year 2014  Year 2017
How did transit riders access transit?

- Walked or jogged
- Other (Taxi/Uber/Lyft/Bike/etc)
- Got dropped off
- Drove and parked

Percent of Transit Trips

- 2014
- 2017
Parking Costs
If you drive or are driven to work, do you pay for parking at work?

- Parking is free, 82%
- My employer pays, 9%
- I pay, 6%
- N/A, 4%
Workers by Income and Parking Costs

Percent of Driving Workers

Household Income

- Under $25,000
- $25,000- $100,000
- $100,000

My employer pays | I pay
Telecommuting
How often do you telecommute?

![Bar chart showing telecommuting frequency]

- Never: 60% of workers
- Not Applicable: 0%
- Less than weekly: 10%
- 1-4 days per week: 20%
- 5+ days per week: 10%
Telecommuting (in any amount) by Household Income

- Under $25,000
- $25,000 - $100,000
- $100,000+
A potential TDM Market: Older Adults
Percent of Older Adults with Driver's Licenses

75+: 84% (2006), 84% (2014), 94% (2017)
Mode Choice and Age

- SOV
- HOV
- Walk
- Transit
- Bike
- Other

18-64 years vs. 65 years+
How Often Do You Use Ride-hailing (Uber/Lyft)?

- **18-64 years**
  - Within the previous 30 days: 16%
  - I do this, but not within the previous 30 days: 12%
  - I never do this: 72%

- **65 years+**
  - Within the previous 30 days: 1%
  - I do this, but not within the previous 30 days: 9%
  - I never do this: 90%
Findings

• There is a strong correlation between whether employers offer transit subsidies and whether workers use transit on their trips.

• Higher income workers are more likely to have employer-subsidized transit than lower income workers.

• Fewer transit riders are using cash to pay for transit.
Findings 2

• The large majority of drivers do not have to pay for parking at work.

• The share of transit riders that access transit by walking is decreasing.

• Most people who telecommute do so infrequently (less than weekly).
2019 Travel Study

• Survey Participation Dates: April 23- June 10, 2019

• Data released on PSRC’s website: January 2020

• What’s different? More smartphone households
thank you

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