

Puget Sound Regional Household Travel Survey Program

Regional Staff Committee

16 May 2024



Puget Sound Regional Council



We are leaders in the region to realize equity for all. Diversity, racial equity and inclusion are integrated into how we carry out all our work.

psrc.org/equity

Overview



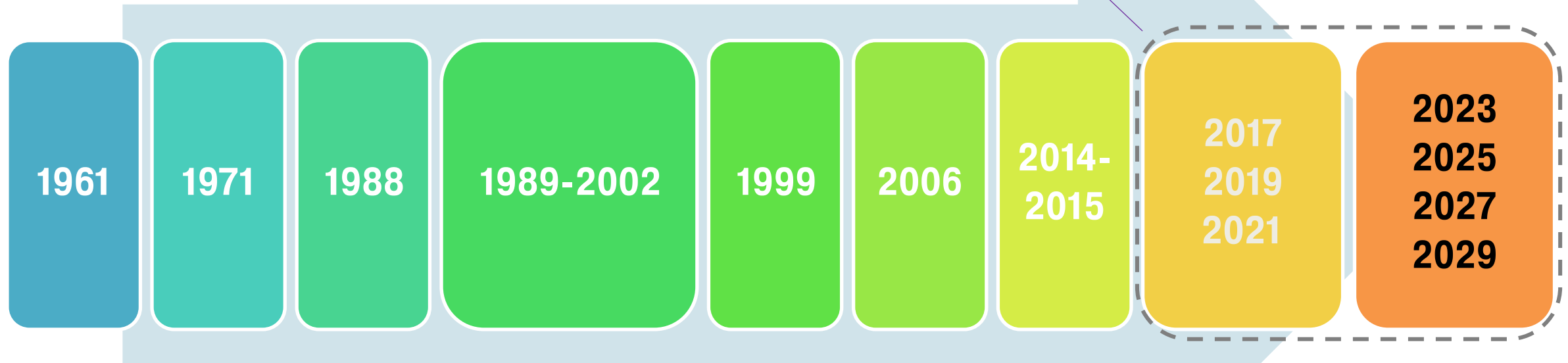
- Intro to the Household Travel Survey (HTS) Program
- Highlights from 2023 survey
- 2025 survey: Call for “add-on” data samples



Puget Sound Regional Travel Studies

More frequent snapshots

allows for more timely analysis
& monitoring of trends. Data
can be combined across years.



Webpage: <https://www.psrc.org/household-travel-survey-program>



Multi-year HTS Program

Program goal: The surveys seek to capture quality, regionally representative data for activity and travel behaviors of residents on a typical weekday.

2023–2029: 8-year program, 4 waves

- 6-year, 3-wave (2017, 2019, 2021) pilot completed
- 2023 data published in April

Motivations

- Frequent snapshots, ability to combine years
- “Smoother” budgets & labor roles
- More flexibility & opportunities for add-ons



Uses of HTS data



Analysis

- Most recent regional travel behaviors & patterns
- Trends: comparisons with previous surveys

Model development

- SoundCast
 - Activity-based travel model system
 - Estimate activity/travel choice models
- UrbanSim
 - Parcel-based land use model system
 - Estimate residential location choice model



Information in the HTS data

Who is traveling?

Where are they going?


When do they travel?

Why are they going?

How do they get there?


Planning/policy questions

- How many car trips does the average resident make?
- How does transit use vary by race?
- What are the peak travel hours by trip purpose?
- How often do workers typically telecommute?
- Who are displaced from their homes?




The banner for the 2023 Puget Sound Regional Travel Study features a dark blue header with icons for walking, cycling, driving, transit, and train. Below the header are three images: a ferry, a lighthouse, and a cyclist. The text "2023 PUGET SOUND REGIONAL Travel Study" is prominently displayed.

TELL US HOW YOU GET AROUND



Three images illustrating different modes of transportation: a person walking on a rainbow crosswalk, a scenic view of a bridge over water, and a bus stop with people waiting.

**RECEIVE A GIFT CARD
AS THANKS FOR YOUR TIME**



Logos for the City of Everett, Puget Sound Regional Council, and Seattle Department of Transportation.



The 2023 HTS data

Examples of directly observed demographics:

- Age
- Disability (new)
- Education
- Gender
- Income
- Race & ethnicity
- Sexuality (new)

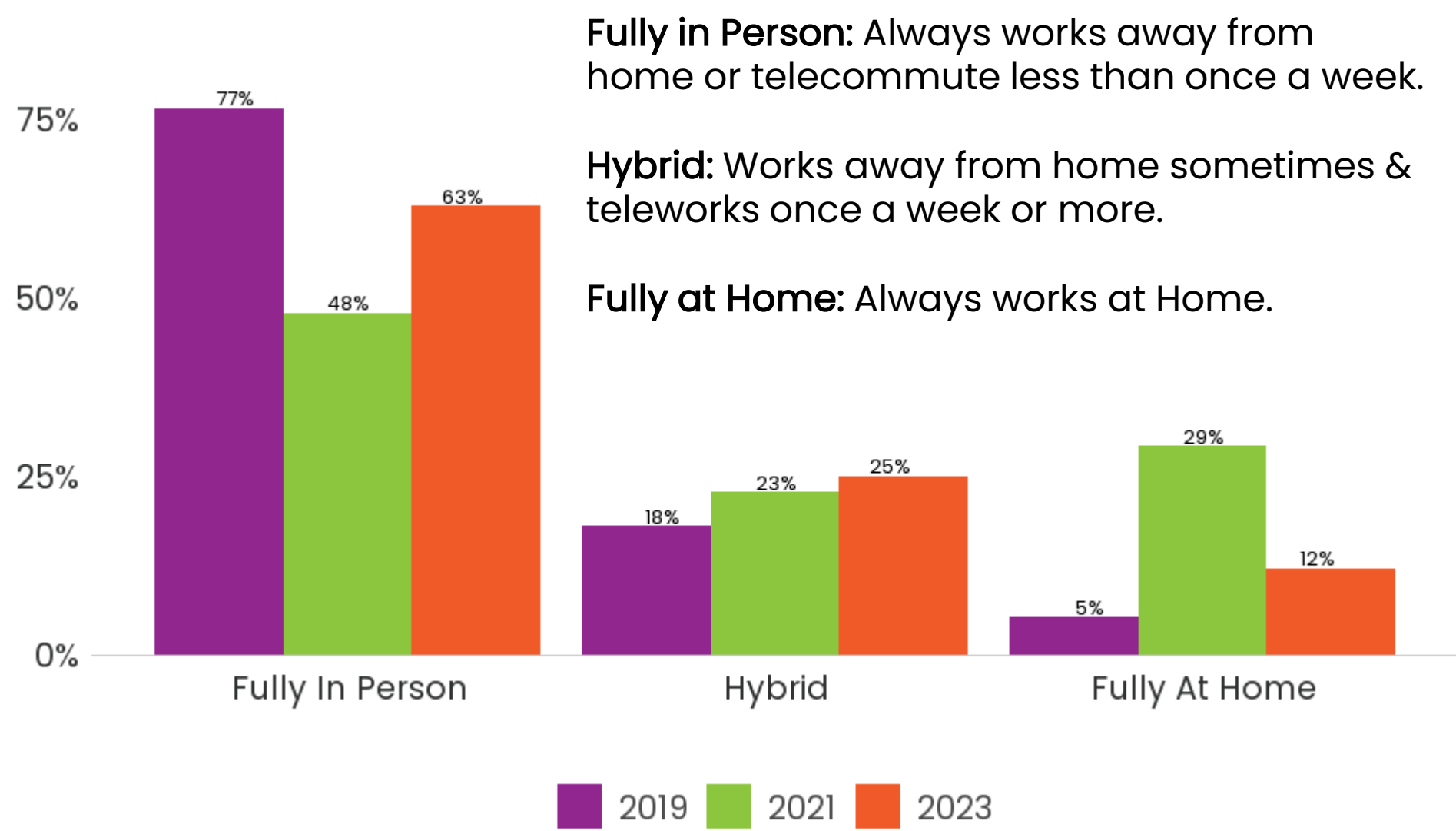
Examples of planning topics for analysis:

- Active travel
- Electric vehicle charging (new)
- Home deliveries
- Public transit use
- Residential displacement
- Shopping & travel purposes
- Telecommute
- Vehicle miles travel & greenhouse gas emissions

Early analyses



Worker shares by work location

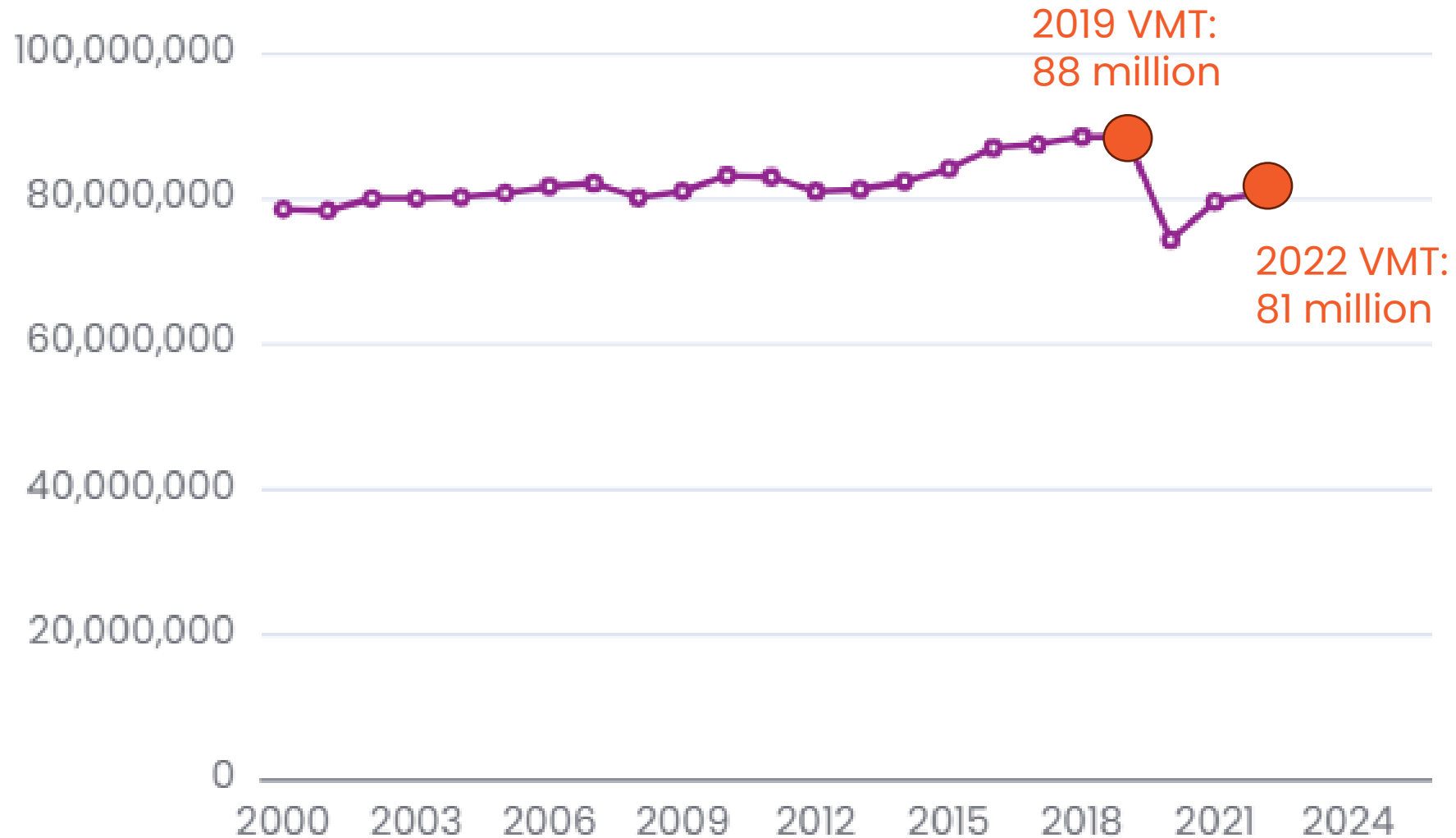


Insights:

- More workers were telecommuting in 2023 than before the pandemic.
- There was a broad range of “hybrid” workers in terms of telecommuting frequency.



Regional system context: Vehicle miles travel

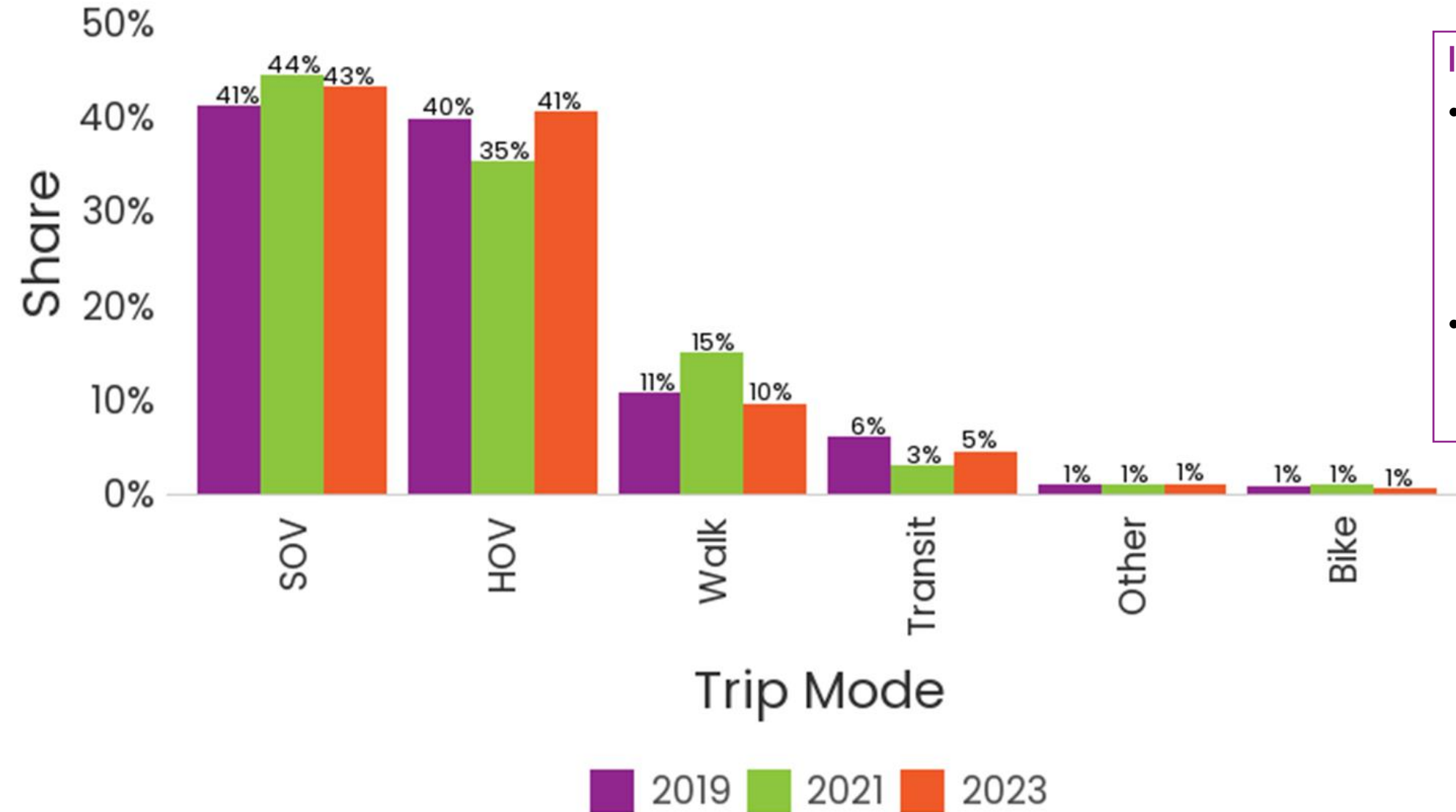


Insights:

- The decrease in VMT is most likely from people not making work trips.
- 2023 VMT data is not yet available.



Regional system context: Trip mode shares



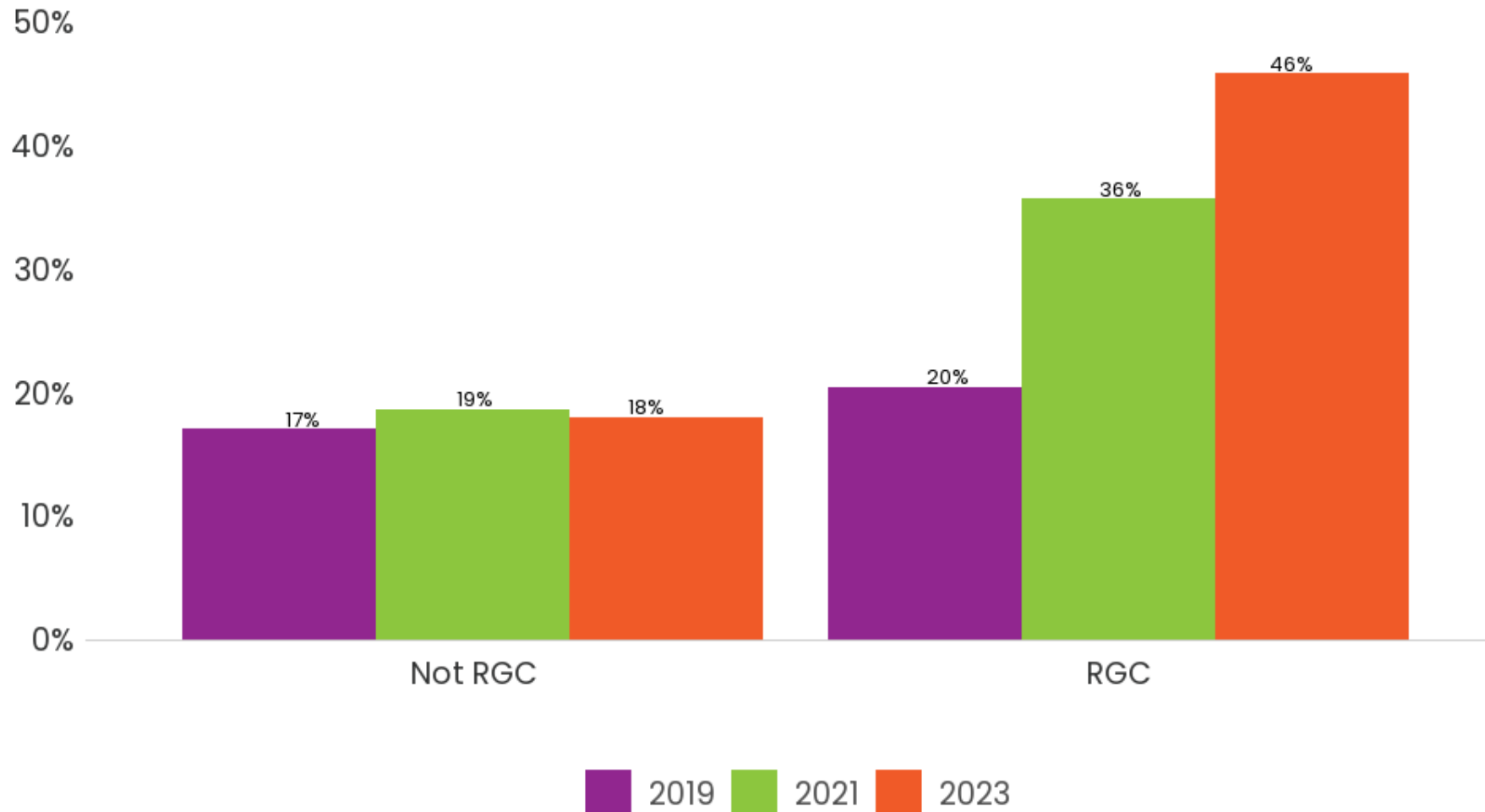
Insights:

- At the system level, trip mode shares change minimally, even through a pandemic.
- Variations may be greater within some markets.



Shares of hybrid workers by primary work location

RGC = Regional Growth Centers



Insights:

- In 2023, workers in RGC were 2.5X more likely to be hybrid workers than those working elsewhere.
- In 2019, hybrid workers were similarly likely to be in RGC and other places.



New question on sexuality

Puget Sound Regional HTS

- First to collect this data in large household travel survey
- Complements question on gender

U.S. Census Bureau Surveys

- In 2021, sexual orientation & gender identity (SOGI) questions added to Household Pulse Survey
- Testing starts on new SOGI questions in American Community Survey this summer



Pride data (Trend article coming in June)

Almost half of LGBTQ+ respondents identify as a person of color.

They are more likely to be female or non-binary.

This community tends to be younger (in the data).

Many LGBTQ+ households have lower incomes.

Adults who identify as LGBTQ+ are almost as likely as those who identify as heterosexuals to have children in their households.



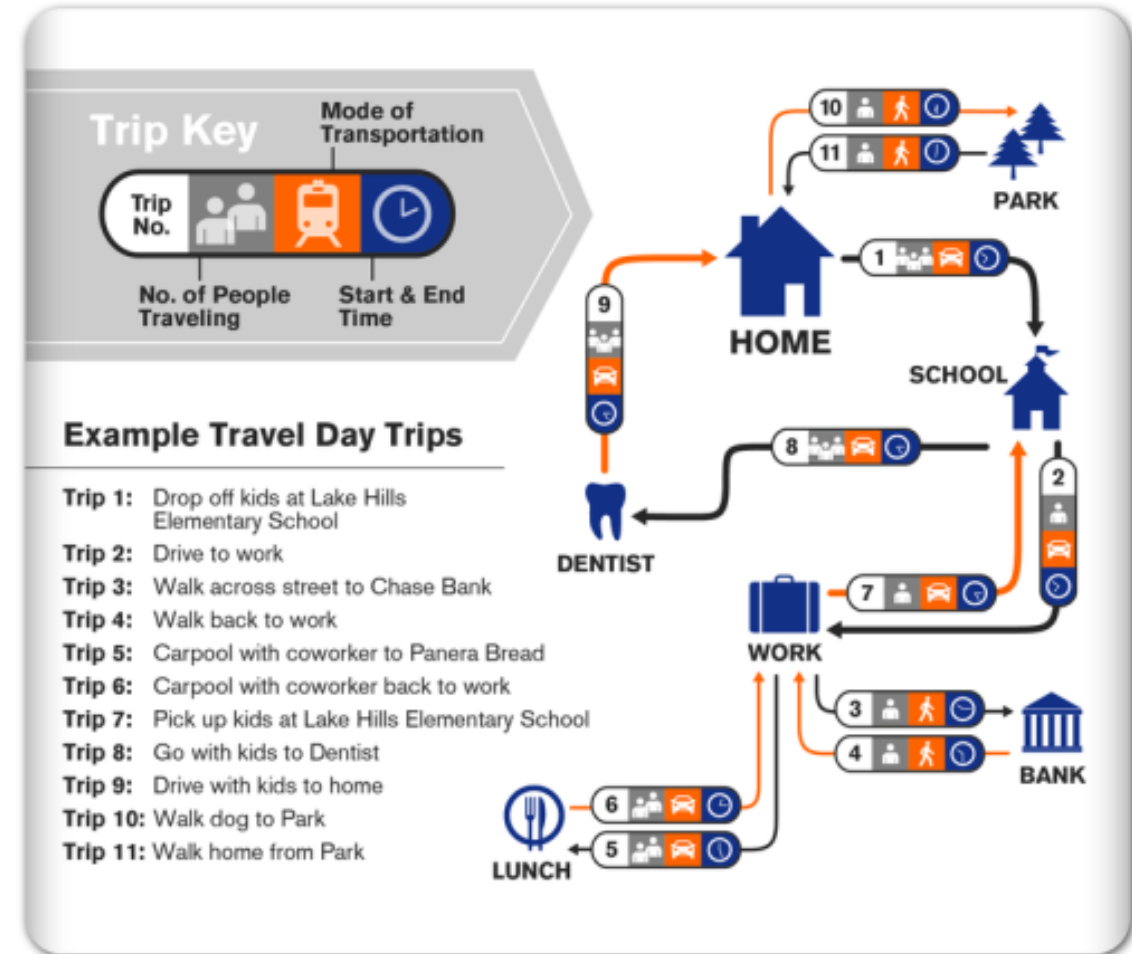
What's next?

2023 HTS analyses & presentations

- On-going analyses & model development
- Presentations August-October

Next HTS in 2025

- Planning work started
- Call for “add-on” data samples will be issued with two key deadlines
 - **July 1:** Notification of intent
 - **Sept 9:** Memorandum of Understanding



2025 “Add-on” data sample FAQ

What is an add-on data sample?

- Puget Sound Regional HTS data is designed for use at regional/county levels – more survey responses are needed for use in smaller places
- Members can “add-on” by buying more data in areas of interest
- Previous add-on partners: cities of Bellevue, Redmond, Seattle, Tacoma

How much would an add-on data sample cost in the 2025 HTS?

- Costs vary depending on people/household qualities of interest
- Assume ~\$220/household & ≥500 households for budgeting purposes
- PSRC staff can help determine appropriate data sample sizes

What questions will be included in the 2025 HTS?

- 2025 survey questions will be very similar to ones asked in 2023
- See the 2023 questionnaire: <https://www.psrc.org/media/8733>



2025 “Add-on” data sample FAQ

How will the 2025 HTS project be managed & add-on partners be involved?

- PSRC will manage the project & consultants to collect/deliver the data
- Add-on partners will help define scope of work (e.g., sampling needs in areas of interest) & could provide support for outreach

Can an add-on data sample emphasize certain communities?

- Yes, some places can be oversampled (e.g., Redmond focused on downtown)
- Similar for different populations (e.g., PSRC aims for representation of People of Color, rural communities, transit users, & other relatively smaller groups)

How does HTS data compare to other data?

- Survey data can reveal patterns of behavior (& sometimes the reasons behind them) AND relate them directly to characteristics of people & households
- Other data (e.g., counts, “big data” from mobile devices) usually cannot directly link to people/households & may have uncorrected biases
- Trend analysis & data ownership: considerations for most “big data” Software as a Service (SaaS) products



2025 HTS Timeline

| | | |
|------|----------|--|
| 2024 | May | PSRC issue call for “add-on” samples |
| | July 1 | Deadline to notify PSRC of intent to purchase an “add-on” sample |
| | Sep 9 | Deadline to execute MOU with PSRC for an “add-on” sample |
| | Oct | Start 2025 HTS project with consultants |
| 2025 | Mar-June | Data collection |
| | July | PSRC work with consultants to clean & weight data |
| 2026 | Mar | Final data delivery & publication |





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Thank You!



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