Puget Sound Regional Household Travel Survey (HTS) Program

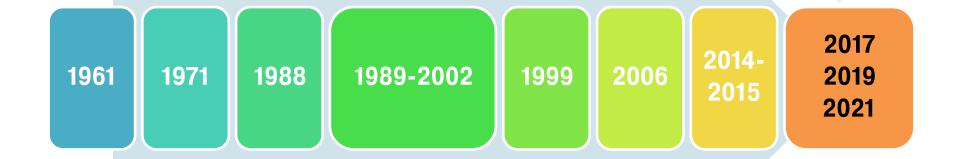


- Brief intro to the Household Travel Survey (HTS) Program
- Highlights from the 2021 survey
 (Contributions from PSRC HTS Analysis
 Group, especially: Christy Lam, Grant
 Gibson, Mary Richards)
- Updates on the 2023 survey



Puget Sound Regional Travel Studies

More frequent snapshots allows for more timely analysis and monitoring of trends. Data can be combined.





Multi-year HTS Programs

Goal: The surveys seek to capture quality, regionally representative data for residents' activity and travel behavior on a typical weekday.

6-year program, 3 waves (2017, 2019, 2021): COMPLETED

8-year program, 4 waves (2023, 2025, 2027, 2029): STARTED

For additional info, see 2022 January 20 RSC presentation:

https://psrc.org/sites/default/files/rsc2022jan20-

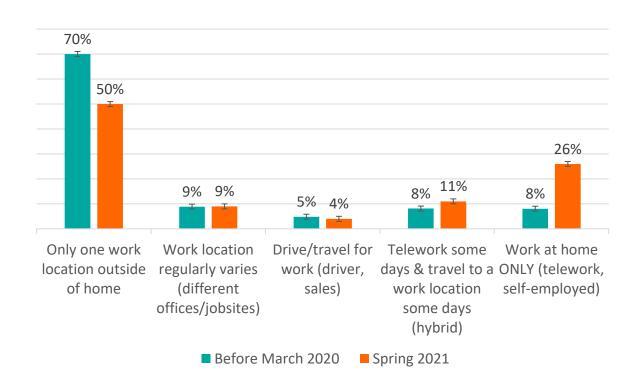


Highlights from the 2021 HTS

- Work location
- Transit and Mode Shares



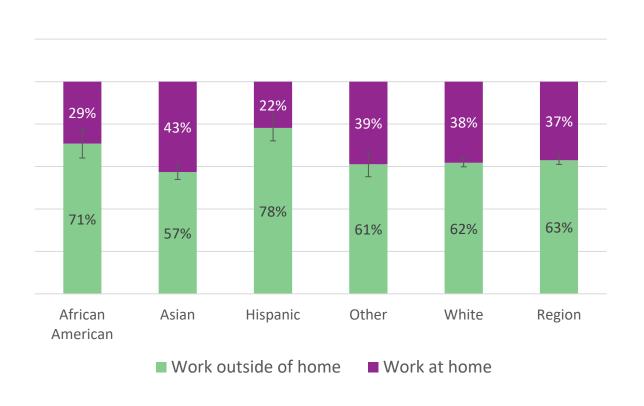
Work location (2021 survey) Before March 2020 & Spring 2021



- 2021 survey asked workers about their work location for two periods, also added "hybrid" option (telework some days, travel some days)
- Jump in teleworkers
- Most workers

 (63%) worked
 outside of home in

Work location (2021 survey) By Race/Ethnicity for Spring 2021



- "Work at home" groups "Work at home ONLY" & "hybrid"
- "Work outside of home" groups other three categories
- African American & Hispanic workers more likely to work outside of home in 2021 than other racial groups

Work location (2021 survey) By Industry

"Work outside of home" top industries

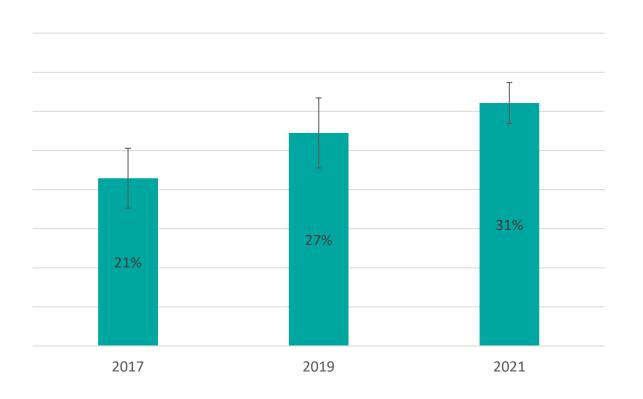
- Military (98%)
- Healthcare & social services (81%)
- Hospitality & retail (81%)
- Construction & resources (79%)
- Personal services & childcare (74%)

"Work at home" top industries

- Media & entertainment (78%)
- Technology & telecom. (73%)
- Prof. & business services (62%)
- Government (57%)
- Finance & real estate (56%)



Teleworked at least once last week (2017, 2019, 2021 surveys)

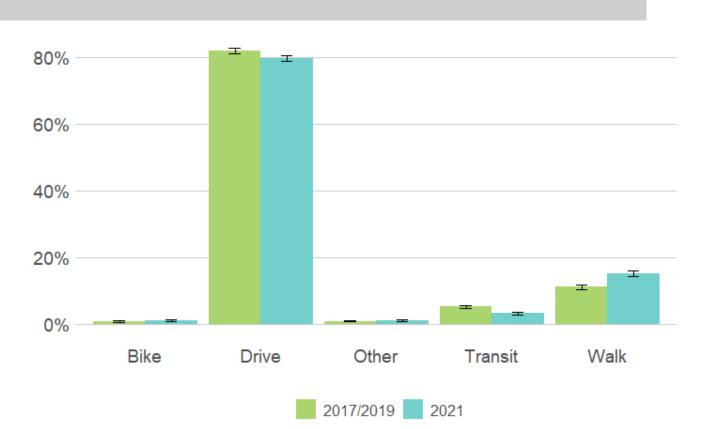


- Workers whose work location was outside of home or telework some days were asked how many days they teleworked last week
- Upward trend started before the pandemic

Mode Share Trends Before and During COVID-19

How did *all* trip mode shares change pre-COVID to Spring 2021?

Transit and driving decreased Walking increased



The changes are modest, reinforcing that changing mode share on a regional level takes big forces. Mode share changes come about from demographic changes, land use development, transportation network, and transportation costs, among others.



Transit and driving decreased Walking increased



Reasons may include:

- Transit mode share are highest for work purpose, and there were fewer work trips.
- Transit capacity or frequency may have been reduced?
- People may have avoided transit due to COVID exposure.
- Supply and Demand Forces
- Does this match what you've been seeing?

Technical notes

- Only trips made by adults included because of survey design
- Transit modes included

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Bus
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Other rail (e.g., streetcar)

Urban rail (e.g., Link light rail, monorail)

Commuter rail (Sounder, Amtrak)

Ferry or Water Taxi

Paratransit

Private Bus or shuttle

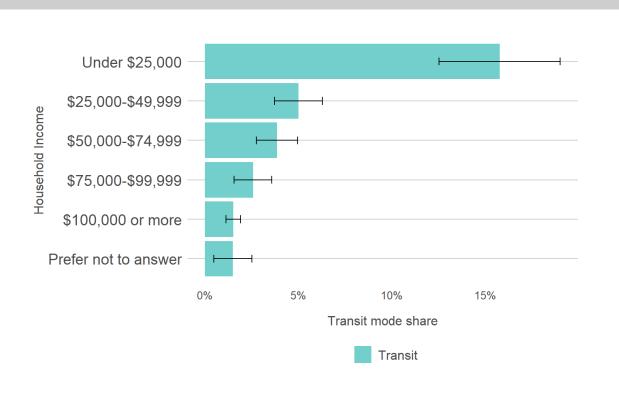
Vanpool



What groups of people had higher transit mode shares during COVID-19?

How does this compare to prior to COVID-19?

2021 Transit Mode Share by Household Income

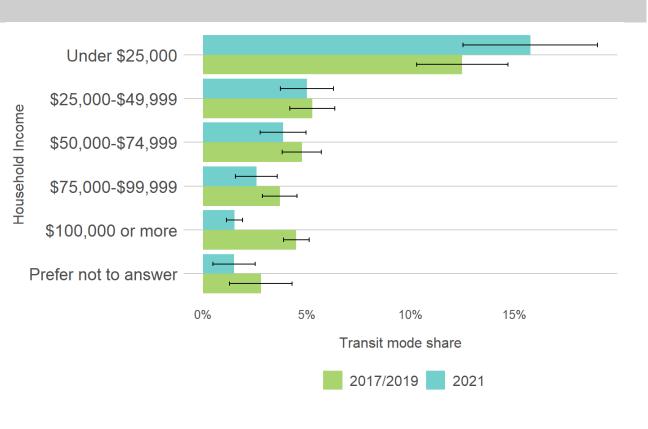


Transit share is much higher for people living in low-income households.

The transit system plays an important role for people in low-income households.



2017/2019 vs 2021 Transit Mode Share by Household Income



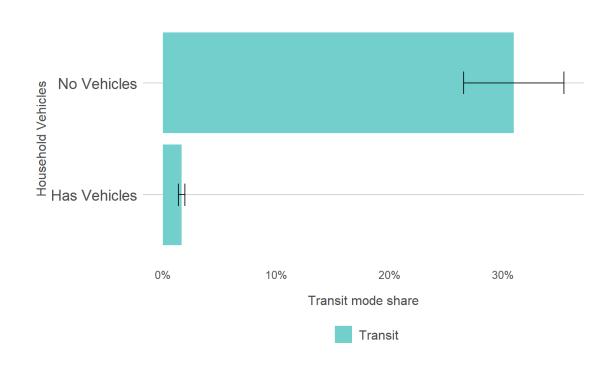
The median income regionally is in the \$75K-\$100K bucket.

People in lower income households continued to use transit in similar shares.

People in households making more than 100K drastically reduced transit use.



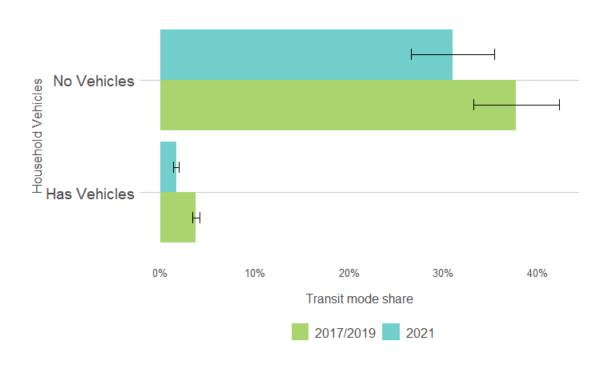
2021 Transit Mode Share by Household Vehicles



Household vehicle ownership is a very strong predictor for transit mode share.



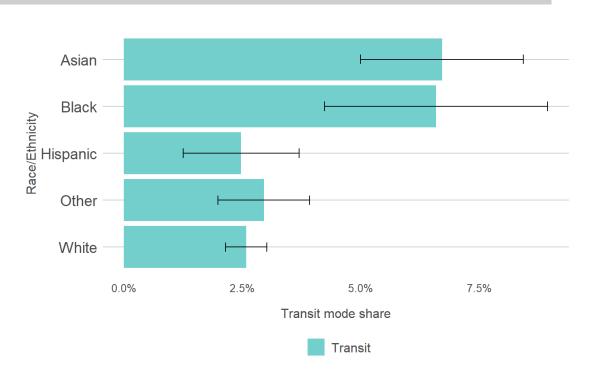
2017/2019 vs 2021 Transit Mode Share by Household Vehicles



People with no cars in their household had to continue riding transit.



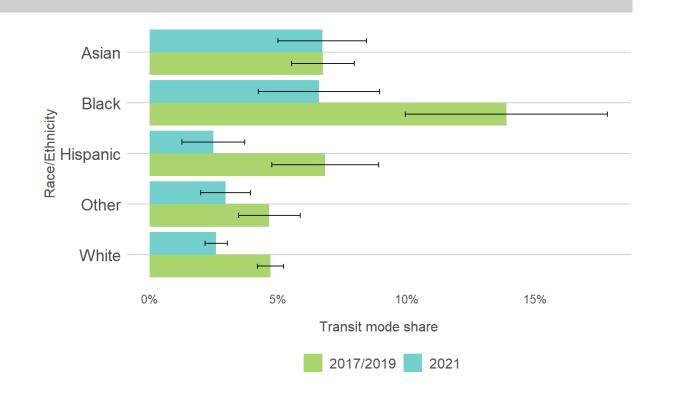
2021 Transit Mode Share by Race



Asian and Black or African American people had higher transit shares in 2021 than Hispanic/Latinx, Other races or White, non-Hispanic people.



2017/2019 vs 2021 Transit Mode Share by Race



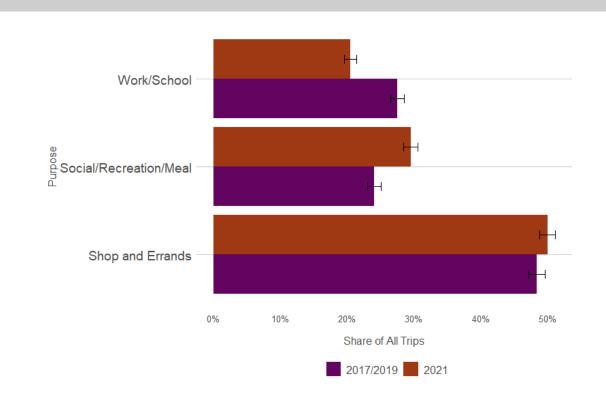
Transit mode shares dropped for all racial groups except Asian people.

Needs more investigation Home Locations? Trip Purposes?



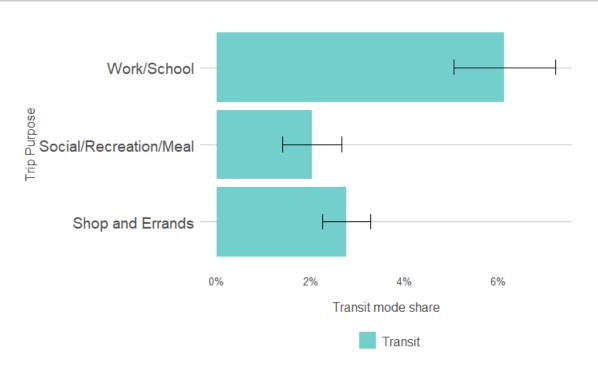
How did trip purposes and mode shares change during COVID-19 as compared to before?

2017/2019 vs 2021 Trip Purpose



The share of trips for work and school went down and the share of trips for social/recreation/me al purposes increased. This explains part of the reason why transit mode shares decreased, since transit is more popular for the work and school purposes.

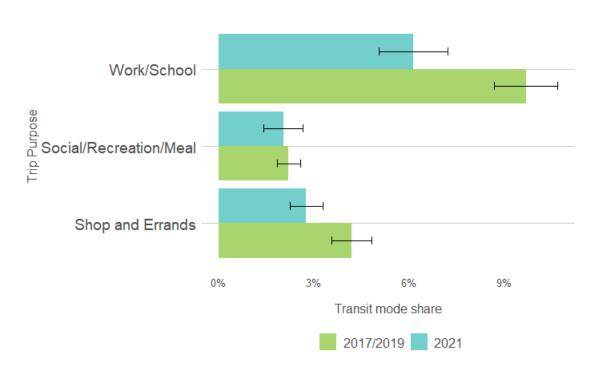
2021 Transit Mode Share by Trip Purpose



Transit mode share was much higher for work and school trips than other trip purposes.



2017/2019 vs 2021 Transit Mode Share by Trip Purpose



The transit share decreased for work/school trips the most. The transit shares for social, recreation, meal, shop, and errand trips were already fairly low.



Schedule for 2021 HTS presentations

Wed 7/27: Transportation Operators Committee

Wed 8/10: Transportation Demand Management

Tue 9/13: Bicycle & Pedestrian Advisory Committee

Wed 9/21: Special Needs Transportation Committee

Wed 10/12: Freight Advisory Committee



Proposed 2023 HTS Timeline

- **2022** ✓ Jan: RSC presentation & follow-up announcement
 - ✓ Mar: Seek contract authority for consultant services (PSRC portion only)
 - ✓ Apr: Member commitments due for "add-on" data samples in the 2023 HTS
 - ✓ May: Issue Request for Proposals
 - ✓ Jun: Seek contract authority for consultant services (PSRC & "addon" portions)
 - Jul/Aug: Select consultant & negotiate scope of work;

Sign MOUs with "add-on" members; Sign consultant contract

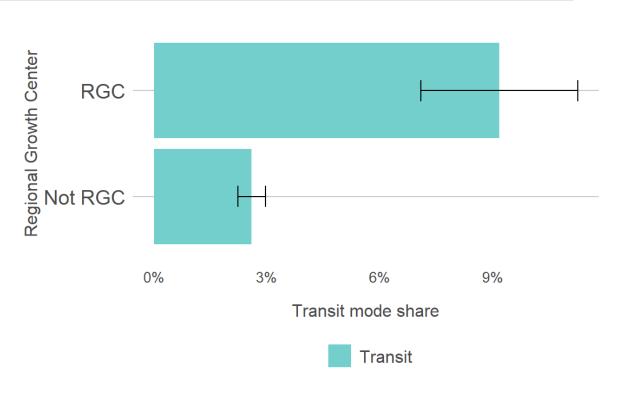
Sep: Start 2023 HTS project with consultant

2023 Apr-Jun: Data collection

Jul: Start collaborative process with consultants to clean & weight



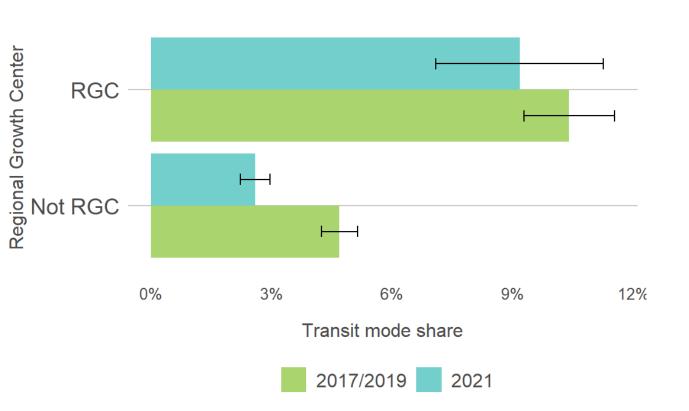
2021 Transit Mode Share by Whether Living in a Regional Growth Center



People who live in RGCs are more likely to ride transit; many have zero vehicles.



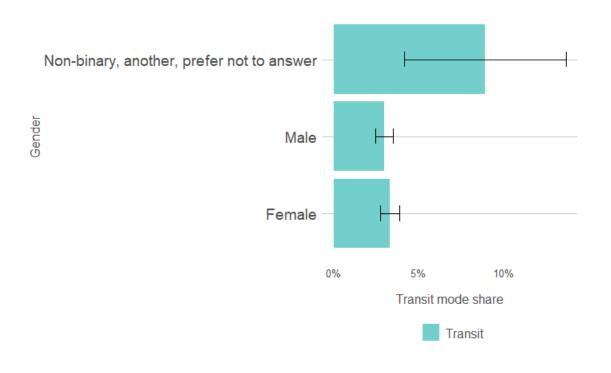
2017/2019 vs 2021 Transit Mode Share by Living in an RGC



People living in RGCs continued to ride transit mostly, those outside did not.



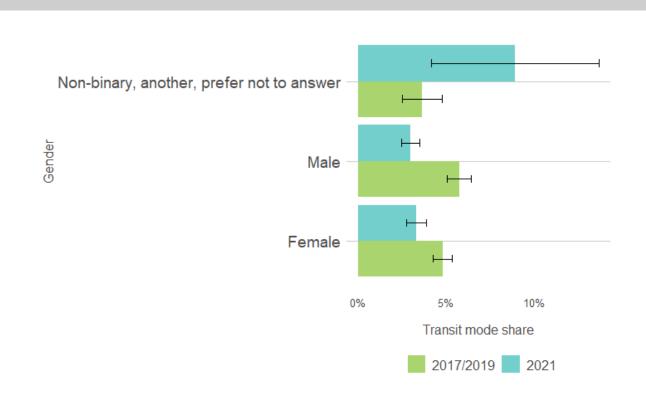
2021 Transit Mode Share by Gender



During COVID, females and males had similar transit mode shares. People who identified as non-binary, another, or preferred not to answer most likely had higher transit shares than females and males.



2017/2019 vs 2021 Transit Mode Share by Gender



Transit mode shares reduced more for males than females.

People who identify as Nonbinary, another, and prefer not to answer did not have enough data to draw a conclusion.

