2022 SEATTLE COMMUTE SURVEY

City-Wide Report









DEPARTMENT OF URBAN DESIGN AND PLANNING College of Built Environments

ACKNOWLEDGEMENT

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GLOSSARY

CTR-Affected employee: a full-time employee who begins their regular work day at an affected employer's worksite between six (6:00) a.m. and nine (9:00) a.m. (inclusive) on two (2) or more weekdays for at least twelve continuous months, who is not an independent contractor, and who is scheduled to be employed on a continuous basis for fifty-two weeks for an average of at least thirty-five hours per week.

CTR-Affected employer: a private or public employer, including government agencies, that employs one hundred (100) or more affected employees at a single worksite.

TMP: Transportation Management Programs are agreements developed by the City of Seattle and property developers when a building is first built that commits the building's managers to encourage their tenants' employees to walk, bike, use transit and carpool, rather than drive alone.

Commute trips: trips made from an employee's residence to a worksite during the peak period of 6 a.m. to 9 a.m. on weekdays.

Worksite: a building or group of buildings on physically contiguous parcels of land or on parcels separated solely by roadways or rights-of-way.

Small businesses: any business entity, corporation, partnership, or other legal entity, that has has less than one hundred (100) employees.

Commute mode: the type of transportation used by employees, such as public transit, drive-alone, active modes or any other mode of mobility.

Rideshare: this term is used in this report to refer to shared modes of transportation including carpool, vanpool, and employer shuttle.

Work model: the working arrangements for employees, which determine where employees conduct daily tasks (e.g. remote work).

Active transport: also called non-motorized transport or NMT, and human powered transport, refers to walking, cycling, and variants such as wheelchair, scooter, and handcart use.

Page No.

PROJECT OVERVIEW

Project background, partners, goals, resources & collaborators

SURVEY METHODS

Sampling process, survey tools, design, topics and distribution

SURVEY RESPONSES

Responses count, survey worksites and respondents spatial distribution



SURVEY RESULTS

Commute mode, work model, industry, mode choice and COVID-19 effects



APPENDIX

Data weighting criteria, weighted and unweighted data comparison.

TABLE OF CONTENTS

PROJECT OVERVIEW

The Washington State Commute Trip Reduction (CTR) law requires worksites with 100 or more full-time employees who begin their shift between 6 and 9 a.m. on weekdays to conduct a biannual commute survey. Commute Seattle has led this survey work and, in partnership with the Downtown Transportation Alliance, used the results to measure progress toward the city's mobility goals. In 2022, Commute Seattle joined the Mobility Innovation Center and the Department of Urban Design and Planning at the University of Washington to further improve and expand upon the survey and evaluate current transportation systems. Commute Seattle has conducted an internationally renowned expansion of the survey since 2010 known as the Center City Mode Split Survey to include small businesses for additional insights and depict a comprehensive picture of travel in the Center City. This report provides insights from the CTR citywide dataset along with small businesses surveyed in the Center City and across the city.





PROJECT PARTNERS

This work is supported by Commute Seattle with funding committed by the Downtown Transportation Alliance (DTA) partners, the Downtown Seattle Association (DSA), city of Seattle, King County Metro, and Sound Transit. This project is conducted in collaboration with the Department of Urban Design and Planning in the College of Built Environments (CBE) and the Mobility Innovation Center (MIC) at the University of Washington, Seattle. The project received additional funding from Challenge Seattle, Pemco Insurance, and BECU.











SAMPLING

Commute Seattle reached out to all CTR-affected worksites and TMP buildings and acquired a list of all small businesses in central Seattle from SavageColor. The UW team launched an email campaign and sent regular follow-ups to small businesses.

DESIGN

The UW team designed the survey with valuable input from Commute Seattle. The survey contains two parts: the required CTR questions and an additional module with a gift-card incentive. The survey used Qualtrics and Google maps platforms.

SURVEY METHODS

TOPICS

The CTR survey was revised and expanded to include more options for commute and work models and build a thorough understanding of the changes in spatiotemporal patterns of worker commute and non-commute trips and travel behavior, motives, and needs.

DISTRIBUTION

The survey was distributed using an anonymous link to tenants of TMP buildings and CTR worksites by an on-site work or building coordinator. It was also shared on the Commute Seattle website. Separate links were distributed to small business lists from the City and SavageColor.



SURVEY RESPONSES

In the wake of the COVID-19 pandemic, the past few years have witnessed dramatic changes in work arrangements and activity-travel behavior. The possibility that altered travel patterns may persist well into the future could profoundly impact urban mobility, commuting and non-commuting travel, and transport systems. The increased adoption of remote work has become commonplace during the recovery and post-pandemic period. In recognition of this post-pandemic moment, this project expands on the CTR survey to thoroughly understand the impact of new work models and patterns on activity-travel demand and mode choice for workers in the Seattle area.

Overall Survey Responses 64,355 Responses from Worksites inside Seattle **61,628** Responses from Center City Worksites 47,370 CTR-affected Respondents 55,965







The map on this slide shows the neighborhoods which make up Seattle Center City (downtown) area. Different colors denote for neighborhood designations within the survey geography boundaries. The graphs reflect the percentage of CTR responses in each designation from the CTR responses N (56,161); and the percentage of responses in each designation from total survey responses N (61,628) 12

RESPONDENTS DEMOGRAPHICS

Race/ Ethnicity	Vhite 📕 /	Asian 📕 His	panic or Latino	Prefer ne	ot to answer	Black of	r African Ameri	can 🔳 American In	dian or Alaska Native	Native Hawaiia	n or Other Pa	cific Islander	
								63	%	19%	6%	<mark>6%</mark> 4%	
Gender	Male F	emale 📕 No	on-binary or non	-conforming	g 📒 Transger	nder 🔳 Pro	efer not to answ	ver 🔳 Prefer to sel	fdescribe				
Identity						40%						56%	
Age	15 - 24 📕	25 - 34 🔳 3	5 - 44 📕 45 - 54	4 🔳 55 - 64	65 - 74	75 - 84	85 or older						
Group	5%				29%			27%		21%		15% 39	%
Education/	Less than	high school	High school	Vocationa	l/technical trai	ining 🧧 As	sociate degree	Bachelor's degree	e 📕 Graduate degree o	r postgraduate st	udies Prefe	er not to answe	r
Degree	6%	4%	7%					45				35% 2	2%
Household Income	Less than	30,000 30	0,000 - 59,999	60,000 - 89	9,999 = 90,00	00 - 119,999	9 🔳 120,000 - 1	49,999 🔳 150,000	or more 🔲 Prefer not to	answer			
		8%	1	5%		15%	1	3%			37%	10	1%
				25%			50%	6	7	5%			

The graphs on this slide show the demographics of all survey respondents, regardless of their work location, or worksite type. Demographic questions are optional, hence sample size varies. N (race) = 50,925; N (gender) = 51,055; N (age) = 51,144; N (education) = 50,999; N (household income) = 51,005.

RESPONDENTS SOCIOECONOMICS

Marital Status	Single Married Living with a partner Widowed/divorced	
	28%	55% 12% 5%
Home Ownership	Rent Own Cother	
	36%	61% 3%
Housing Type	Single-detached house Townhouse Apartment/condo No permanent housing Other	
	61% 8%	29%
Children/	Dependents/Adults Dependents/Children No Dependents	
Dependents	8% 23%	69%
Vehicle Type	Car or truck Non-electric bicycle or scooter Electric/electric hybrid vehicle or truck None E-bike, e-scooter, how	erboard or one-wheel 🔳 Motorcycle or moped
	62%	14% 11% 5% 5% 2%

The graphs on this slide show the demographics of all survey respondents, regardless of their work location, or worksite type. Socio-economic questions are optional, hence sample size varies. N (marital status) = 50,776; N (home ownership) = 50,599; N (housing type) = 50,599; N (dependents) = 50,737; N (Vehicle type) = 50,954.



COMMUTE MODE

- Overview of Center City mode split
- Overview of CTR/non-CTR mode split
- Residential distribution by commute mode
- Commute mode by sociodemographics

SURVEY RESULTS



WORK MODEL

- Overview of respondents work model
- Remote work patterns by weekday
- Residential distribution by work model
- Overview of remote work availability



WORK INDUSTRY

- Commute mode split for CTR-affected worksites by industry in Center City
- Commute mode split for CTR-affected worksites by industry city-wide (Seattle)



NON-COMMUTE

- Overview of non-commute modes
- Non-commute travel mode by sociodemographic characteristics

SURVEY RESULTS



MODE CHOICE

- Commute mode choice factors
- Reasons to drive alone to work
- Reasons not to drive alone to work



COVID-19 IMPACT

- Pre-pandemic and current primary commute mode split comparison
- Pandemic-related commute changes



Section

MODE SPLIT CENTER CITY YEAR TO YEAR COMPARISON



Q10: Currently, during a typical week, how do you get to work each day? (Monday, Tuesday, Wednesday, Thursday, Friday). Q8: When do you typically begin work? (only 6-9 am are included in the graphs). The graph shows the percentage of mode split aggregated for weekdays and excluding weekends, for respondents start working between 6-9 am inside central Seattle. N (2022) = 35,854 respondents Public transit includes bus, light rail, and ferry; Drive alone includes taxi, Uber/Lyft and motorcycle; Rideshare includes vanpool, carpool and employer shuttle; Other includes day off. ** The mode split data is weighted based on the total number of CTR-affected and non-CTR-affected employees in Seattle Center City. Details on the weighted figures can be found in the appendix. ** Note : the 2021 & 2022 survey captured respondents' typical modes used each day, compared to 2019, which captured the modes used each day of the preceding week.

MODE SPLIT CENTER CITY BY WEEKDAY

Public transit	Drive alone	<mark>–</mark> Bike/E-bike 📕 Walk	Remote	e work 🔳 Rideshare 🔲 Others	Weighted $n = 34,590$ Weighted MoE = ± 1 pts
Mon	19%	18% 2% 3%			52% 3% 3%
Tue	269	%	24%	3% 3%	39% 4%
Wed	25%		24% 3	<mark>% 4%</mark>	39% 4%
Thu	24%		23% 3%	3%	41% 4%
Fri	16%	16% 2% 3%			57% 2% 4%
	25	5%	50%	6 759	6

Q10: Currently, during a typical week, how do you get to work each day? (Monday, Tuesday, Wednesday, Thursday, Friday). (only 6-9 am are included in the graphs). The graph shows the percentage of mode split for every day of the workweek, for respondents who work inside Center City for both CTR-affected and non-CTR-affected worksites.. Sample: Unique respondents: N (Center City) = 34,642, Total trips: N (Center City) = 173,210.

* The mode split data is weighted based on the total number of CTR-affected and non-CTR-affected employees in Seattle Center City. Details on the weighted figures can be found in the appendix.

MODE SPLIT

CTR-AFFECTED (INSIDE vs. OUTSIDE CENTER CITY)



Sample: Unique respondents: N (Center City) = 43,441, N (outside Center City) = 12,524. Total trips: N (Center City) = 217,205, N (outside Center City) = 53,565.

Q10: Currently, during a typical week, how do you get to work each day? (Monday, Tuesday, Wednesday, Thursday, Friday).

The graph shows the percentage of mode split aggregated for all weekdays, for respondents who work inside central Seattle. The graph shows a comparison between respondents who work inside Center City, and Center City mode split aggregated for all weekdays.

MODE SPLIT CTR/NON-CTR COMPARISON

CTR WORKSITES

NON-CTR WORKSITES

21



Q10: Currently, during a typical week, how do you get to work each day? (Monday, Tuesday, Wednesday, Thursday, Friday, Saturday, Sunday) The graph shows the percentage of mode split aggregated for all weekdays, for respondents who work with CTR-affected worksites (N = 55,965), and non-CTR-affected worksites (N = 5,630)



These maps reflect the total number of survey respondents homes who commute using public transport once or more per week. Numbers are normalized by census block group area.

UBER/LYFT COMMUTERS HOME DISTRIBUTION



These maps reflect the total number of survey respondents homes who commute using Uber/Lyft once or more per week. Numbers are normalized by census block group area.





These maps reflect the total number of survey respondents homes who commute using e-bike/e-scooter once or more per week. Numbers are normalized by census block group area.



These maps reflect the total number of survey respondents homes who commute using active travel modes once or more per week. Numbers are normalized by census block group area.

REMOTE WORKERS HOME DISTRIBUTION



These maps reflect the total number of survey respondents homes who work remotely once or more per week. Numbers are normalized by census block group area.

MODE SPLIT BY AGE GROUP



Q10: Currently, during a typical week, how do you get to work each day? Q18: What is your age? The graph shows the percentage of mode split aggregated for all weekdays, for all respondents. N = 50,062 respondents.

MODE SPLIT BY GENDER



Q10: Currently, during a typical week, how do you get to work each day? Q19: Do you identify as...?

The graph shows the percentage of mode split aggregated for all weekdays, for all respondents who belong to every age group. N = 49,917 respondents.

MODE SPLIT BY HOUSEHOLD INCOME



Q10: Currently, during a typical week, how do you get to work each day? Q20: Which of the following best describes your household income last year? The graph shows the percentage of mode split aggregated for all weekdays, for all respondents. N = 49,125 respondents.

MODE SPLIT BY EDUCATION



Q10: Currently, during a typical week, how do you get to work each day? Q21: What is the highest degree or level of education you have completed? The graph shows the percentage of mode split aggregated for all weekdays, for all respondents who belong to every age group. N = 49,805 respondents.

MODE SPLIT BY RACE/ETHNICITY



Q10: Currently, during a typical week, how do you get to work each day? Q22: Please specify your race/ethnicity The graph shows the percentage of mode split aggregated for all weekdays, for all respondents. N = 51,060 respondents.

MODE SPLIT BY MARITAL STATUS



MODE SPLIT BY HAVING DEPENDENTS



MODE SPLIT BY HOUSING TYPE



Q10: Currently, during a typical week, how do you get to work each day? Q30: What type of housing do you currently live in? The graph shows the percentage of mode split aggregated for all weekdays, for all respondents. N = 50,542 respondents.

MODE SPLIT BY HOUSING OWNERSHIP


AVERAGE HOME TO WORK DISTANCE BY COMMUTE MODE



Q2: Please enter the full address of your worksite. Q46: If you could, please point out the nearest intersection to your home (this question is optional) This graph shows the average home to work distance in miles for every mode, as calculated from reported home and work locations. N=45,775

The COVID-19 pandemic has significantly increased the adoption of remote work, causing continued notable changes to Seattle commute mode in 2022.

Center City commute mode changes:

- **Remote work** has remained comparable to pandemic levels (2021) and over seven times higher than pre-pandemic levels (2019), making up **46**% of overall peak hours commute and reaching up to over **50**% on Mondays and Fridays.
- The overall share of **driving alone** to work in the Center City has decreased from **26%** pre-pandemic (2019) and **25%** pandemic (2021) to **21%** in 2022.
- **Public transit** usage saw the most significant decline in mode share from pre-pandemic levels (2019) but gradually recovered, increasing from **18%** in 2021 to **22%** in 2022.
- **Rideshare** saw the largest relative percentage decline between 2019 and 2021 and remained unchanged in 2022.
- Although active travel modes, including **bike/e-bike**, remained unchanged, **walking** has decreased from over **7**% pre-pandemic (2019) and **4**% pandemic (2021) to **3**% in 2022.

City-wide CTR-affected mode split:

- Adopting **remote work** in CTR-affected worksites inside the **Center City** is **70%** higher than in CTR-affected worksites **outside the city center**, making up **50%** of the mode share for CTR worksites inside the Center City, and **30%** for CTR worksites outside the Center City.
- Driving alone to CTR-affected worksites is over two times higher outside the Center City than inside the Center City, making up 19% of the mode share for CTR worksites inside the Center City, and 40% for CTR worksites outside the Center City.
- Public transit usage is 60% higher among employees working for CTR-affected worksites inside the Center City than those outside the Center City, making up 18% of the mode share for CTR worksites inside the Center City, and 11% for CTR worksites outside the Center City.
- **Rideshare** is **two times** higher for CTR-affected worksites outside Center City than those inside the Center City, making up **6%** of the **outside Center City** mode share and **3%** of the **Center City** mode share.
- Active travel modes are comparable for CTR-affected worksites inside and outside the Center City, making up around **3%** of the total mode share.

City-wide Non-CTR-affected mode split:

- The adoption of **remote work** in non-CTR-affected worksites is **30%** lower than in CTR-affected worksites inside Seattle (city-wide).
- **Driving alone** to non-CTR-affected worksites is **50%** higher than CTR-affected worksites inside Seattle (city-wide).
- **Transit** usage is **20%** higher among non-CTR-affected employees than CTR-affected worksites inside Seattle (city-wide).
- Rideshare and active travel modes are comparable for both CTR-affected and non-CTR-affected.

Spatial distribution of commuters' home locations:

- **Remote workers** are relatively concentrated in Seattle, especially downtown, central, northwest, and northeast Seattle areas. For respondents working in Seattle, relatively lower concentrations of remote workers are seen in other areas including Bellevue, Mountlake Terrace, and Sammamish.
- Most commuters who use **transit** or **drive alone** live in transit-accessible areas in Seattle including downtown, central and northwest, northeast, and West Seattle areas. Fewer transit users can be found in areas of North Seattle and outside the city.
- Active travel commuters are highly concentrated in the Center City, and neighborhoods nearby.

Commute mode and sociodemographics:

- **Remote work** is adopted the most by higher-income and higher-educated employees, and is least adopted by younger (15-24) and older (65 and more) employees. The levels of remote work adoption are also higher among employees living in owned single-detached houses.
- Employees who continue to rely on **public transit** are more likely to be non-white, lower-income, and younger-aged (15-34). Transit users are also likely to be single, without dependents, and live in rented apartments/condos in urban areas.
- Young employees (15-34) are less likely to **drive alone** to work. In contrast, employees who drive alone to work tend to live in owned single-detached houses with dependents.
- Employees who are young (25-34), Asians, and living individually in rented apartments/condos are more likely to use Uber/Lyft.
- Walking is used the most by young employees (15-24) who live individually in rented apartments or condos in urban areas.
- Other active modes such as **bike/e-bike** are more likely to be used for commute by white employees. Males, in comparison to females, are more likely to bike/e-bike to work.

WORK MODEL

Section

WORK MODEL DAY TO DAY COMPARISON





Number of Weekday Commute Trips (Physical Commute vs. Remote)

Q10: Currently, during a typical week, how do you get to work each day?

Remote = commute 5 days/week remotely. In-person = commute 5 days/week physically. Hybrid = commute one to four days of the week remotely

HYBRID REMOTE WORKERS HOME DISTRIBUTION



These maps reflect the total number of survey respondents homes who work remotely one to three days per week. The number of respondents is normalized by census block group area.

FULLY IN-PERSON WORKERS HOME DISTRIBUTION



These maps reflect the total number of survey respondents homes who work in-person five days per week. The number of respondents is normalized by census block group area.

FULLY REMOTE WORKERS HOME DISTRIBUTION



These maps reflect the total number of survey respondents homes who work remotely more than three days per week. The number of respondents is normalized by census block group area.

REMOTE WORK AVAILABILITY BY GENDER

I continue to primarily work remotely (e.g., from home) I worked remotely during 2020-2021 but have since returned to the worksite full time I work remotely for a few days of the week



Q19: Do you identify as...? Q38: Please select one option that best describes the availability of remote work for you. Remote = commute 5 days/week remotely. In-person = commute 5 days/week physically. Hybrid = commute any day of the week remotely. (N=50,137)

REMOTE WORK AVAILABILITY BY HOUSEHOLD INCOME

I continue to primarily work remotely (e.g., from home) I worked remotely during 2020-2021 but have since returned to the worksite full time I work remotely for a few days of the week



Q20: Which of the following best describes your household income last year? Q38: Please select one option that best describes the availability of remote work for you. Remote = commute 5 days/week remotely. In-person = commute 5 days/week physically. Hybrid = commute any day of the week remotely. (N=48,295)

REMOTE WORK AVAILABILITY BY EDUCATION

I continue to primarily work remotely (e.g., from home)
I worked remotely during 2020-2021 but have since returned to the worksite full time
I work remotely for a few days of the week
I have the option to work remotely, but I do not use it
My workplace does not allow me to work remotely
The nature of my work cannot be done remotely



Q21: What is the highest degree or level of education you have completed? Q38: Please select one option that best describes the availability of remote work for you. Remote = commute 5 days/week remotely. In-person = commute 5 days/week physically. Hybrid = commute any day of the week remotely. (N=50,143)

REMOTE WORK AVAILABILITY

BY RACE/ETHNICITY

I continue to primarily work remotely (e.g., from home)
I worked remotely during 2020-2021 but have since returned to the worksite full time
I work remotely for a few days of the week
I have the option to work remotely, but I do not use it
My workplace does not allow me to work remotely
The nature of my work cannot be done remotely



Q22: Please specify your race/ethnicity? Q38: Please select one option that best describes the availability of remote work for you. Remote = commute 5 days/week remotely. In-person = commute 5 days/week physically. Hybrid = commute any day of the week remotely. (N=48,295)

Work model/arrangement:

- Employees who work **fully remote** make up almost **20%** of total survey respondents, while those who work **hybrid-remote** make up **45%**. The two combined means that the great majority of employees in 2022 work remotely at least one day a week.
- Employees who work **fully in-person**, or physically commute every weekday, make up around **35**% of total survey respondents.
- Remote work is higher on **Friday and Monday** by respectively **40**% and **30**% than the rest of the weekdays (Tuesday, Wednesday and Thursday).

Sociodemographics and remote work:

- **Remote work** is less available for employees from the **LGBTQ+** community. In addition, remote work is less available for underrepresented minorities including **Black and Native American**.
- Restrictions on remote work due to job type or employer are higher for low-income employees.
- Employees with **sub-baccalaureate** education are more likely to have jobs that can't be done remotely.



CTR-AFFECTED COMMUTE MODE IN CENTER CITY BY WORK INDUSTRY

Public transit Drive alone Bike/Ebike Walk Remote Rideshare



Q10: Currently, during a typical week, how do you get to work each day? This graph shows the average mode split for CTR-affected worksite industry inside Center City area (N = 41,408).

CTR-AFFECTED COMMUTE MODE IN SEATTLE BY WORK INDUSTRY

Public transit Drive alone Bike/Ebike Walk Remote Rideshare



Q10: Currently, during a typical week, how do you get to work each day? This graph shows the average mode split for CTR-affected worksite industry inside Center City area (N = 55,965).

Commute Mode Split by Industry:

- **Built environment** related worksites in the Center City have the **lowest** adoption of **remote work**, and the **highest** use of **public transit**.
- Health, hospitals and education are the sectors with the lowest adoption of remote work in the entire city of Seattle.
- **Insurance**, **legal and utilities and communications** have the **highest** adoption of **remote work** which makes up **80%** of their employees' commute mode share.
- **Manufacturing worksites**' adoption of remote work is significantly **higher** in the Center City compared to similar worksites in the entire city of Seattle.
- Manufacturing, built environment, education, real-estate and health/hospitals have the highest drive alone rate in the city of Seattle.



NON-COMMUTE MODE SPLIT BY TRIP PURPOSE



Q44: What is the main mode you most frequently use for the following trips? (Grocery shopping, School pickup/dropoff, Health/medical treatment, Leisure/social, Fitness/exercise, Other) (N=49,314) 57

NON-COMMUTE MODE SPLIT BY HOUSING TYPE

GROCERY SHOPPING



SCHOOL PICKUP/DROPOFF

Q44: What is the main mode you most frequently use for the following trips? (Grocery shopping, School pickup/dropoff, Health/medical treatment, Leisure/social, Fitness/exercise, Other) (N=49,314) 58

Non-commute trip types:

- Most respondents reported that the frequency of their non-commute trips (of all types) has either **decreased** or **remained the same** as before the pandemic.
- Most respondents drive alone for their non-commute trips of all types.

Non-commute trip type/mode and sociodemographics:

- People who use transit for grocery shopping, healthcare, leisure, or fitness are more likely to live in **apartments or condos**, while people who use transit for **school pickup/dropoff** are more likely to live in single-detached houses.
- People who use **Uber/Lyft** for any non-commute trip type are highly likely to live in **apartments/condos**.
- People who walk to grocery stores, health centers or leisure/social activities are more likely to live in apartments/condos, while those who walk to school pickup/dropoff or fitness are likely to live in single-detached houses.
- Using Uber/Lyft or taxis for grocery shopping or medical care is significantly higher among Asians, while using Uber/Lyft for social/leisure trips is exceptionally high among Whites.

MODE CHOICE

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Section

MODE CHOICE FACTORS GENERAL REASONS



MODE CHOICE FACTORS OTHER GENERAL REASONS



MODE CHOICE FACTORS REASONS TO DRIVE



Q39: What are the main reasons you drive alone to work? Others (please specify). (N = 20,791)

*** This question was asked to respondents who indicated they drive alone to work for any of the weekdays only.

MODE CHOICE FACTORS OTHER REASONS TO DRIVE



Q39: What are the main reasons you drive alone to work? Respondents were allowed to select up to three factors hence the percentages don't add up to 100%. (N = 3,221) *** This question was asked to respondents who indicated they drive alone to work for any of the weekdays only.

MODE CHOICE FACTORS REASONS NOT TO DRIVE



Q40: What are the main reasons you do not drive alone to work? Respondents were allowed to select up to three factors hence the percentages don't add up to 100%. (N = 28,642) *** This question was asked to respondents who indicated they don't drive alone to work for any of the weekdays only.

MODE CHOICE FACTORS REASONS NOT TO DRIVE



SUMMARY

Commute mode choice factors:

- Time, flexibility, and cost are the three most critical factors for general commute mode choice.
- **Convenience, short time and family obligations** are the three most important factors that contribute to commuters driving alone to work.
- Commuters who don't drive alone are influenced the most by the high **parking cost**, **carbon emissions** and the availability of free or subsidized **transit passes**.
- **Safety** is also an important consideration, with 16% of employees citing it as a general factor for their mode choice, and 27% of employees who drive alone indicating it as a reason for their mode choice.
- More respondents indicating concerns about crimes or safety-related issues than concerns about COVID-19 or lack of hygiene in their travel decision making.



PANDEMIC-RELATED CHANGES TO COMMUTE MODE



PANDEMIC-RELATED CHANGES TO COMMUTE MODE

I still use the same commute mode (no change)
I changed my commute mode during the pandemic (2020-2021), but already have switched back to pre-pandemic...
I have been using a different commute mode since the outbreak of the pandemic
I have been using a different commute mode, but I am planning to switch back to...



Q34: Which transportation mode did you most frequently use to commute to work before the pandemic (pre-March 2020)? This graph excludes modes identified as others. Q35: Compared to before the pandemic (pre-March 2020), in what ways has your typical commute mode changed? (N=47,587)

SUMMARY

Commute mode changes (before the pandemic - current):

- Public transit was the most commonly used commute mode before the pandemic, as over 40% of respondents indicated that they used it as the primary commute mode before March 2020. That said, public transit and rideshare took the largest hit since the pandemic outbreak, dropping by over 60%.
- Only **3%** of respondents indicated they engaged in **remote work** before the pandemic. This percentage has increased by over **15 times** than pre-pandemic rates.
- Active travel modes have dropped by **30%** than the pre-pandemic rate.
- Drive alone, including taxis, Uber/Lyft, and motorcycles, has dropped the least, by only 20%.
- Only **8%** of respondents indicated that they **switched back** to using **public transit** as their current primary commute mode, and **6%** indicated they plan to switch back to transit.
- Modes that saw the most significant reduction in use include **public transit**, **vanpooling**, **employer shuttle**, **and walking**.
- Modes that saw the slightest reduction in use include drive alone, ferry, bike/e-bike, and motorcycle, rendering them more resilient modes.

APPENDIX

STOR

For more information, please contact Commute Seattle or Mobility Innovation Center (MIC) at: <u>info@commuteseattle.com</u> <u>mobility@uw.edu</u>

14

What stories from the data are you interested in?

STATES IN I

Data weighting:

To ensue representativeness of the survey data and comparability to previous years, we have followed two weighting schemes, applied separately to relative graphs, as follows:

A1- Center City mode split data

To better approximate the broader universe of Center City commuters, commute mode data was weighted based on the reported WSDOT CTR and non-CTR employee counts, in the Center City area, estimated by Commute Seattle as 40% non-CTR-affected employees, and 60% CTR-affected employees.

A2- CTR-affected commuters data

For CTR-affected survey data, we have also weighted responses by total CTR-affected employees in Seattle districts/neighborhoods. Estimated proportions of CTR-affected commuters were weighted within each neighborhood, when applicable.

	Mode	Mon	Тие	Wed	Thu	Fri	Total
	Public transit	3126.1	4501.3	4358	4069.9	2629.2	18684.5
	Ferry	243.9	392.5	369.1	344.5	194.6	1544.6
	Vanpool	51.9	62.9	64.9	58.4	33.1	271.2
	Carpool	430.1	642.2	626	570.2	325.6	2594.1
	Employer shuttle	49.9	90.2	91.5	95.4	44.8	371.8
	Uber/Lyft	71.4	109.6	102.5	114.8	66.2	464.5
TR	Тахі	3.9	5.8	7.1	4.5	3.9	25.2
.11	Drive alone	2915.9	4175	4138.1	4031.7	2577.9	17838.6
	Motorcycle	38.9	53.8	50.6	54.5	32.4	230.2
	E-bike/e-scooter	125.8	180.3	158.9	173.9	115.5	754.4
	Bike/Scooter	291.3	389.9	380.8	387.9	236.1	1686
	Walk	530.6	653.9	681.8	670.1	515.7	3052.1
	Remote	12408.3	9290.7	9484.6	9930.9	13273.7	54388.2
	Other	465.8	205.6	240	247.2	705.1	1863.7
	Public transit	3042.1	3793.3	3761.4	3638.8	2647.9	16883.5
	Ferry	239.7	357	325	303.7	197.1	1422.5
	Vanpool	26.6	32	42.6	32	26.6	159.8
	Carpool	399.6	474.2	532.8	431.5	277	2115.1
	Employer shuttle	26.6	32	26.6	26.6	21.3	133.1
	Uber/Lyft	21.3	42.6	37.3	42.6	42.6	186.4
n-CTR	Тахі	5.3	0	0	0	0	5.3
PCTK	Drive alone	3132.7	3756	3820	3814.6	2743.8	17267.1
	Motorcycle	37.3	58.6	42.6	63.9	47.9	250.3
	E-bike/e-scooter	58.6	63.9	106.6	90.6	85.2	404.9
	Bike/Scooter	287.7	394.2	362.3	394.2	282.4	1720.8
	Walk	436.9	538.1	543.4	474.2	468.8	2461.4
	Remote	5690	4113	4081	4336.7	6345.3	24566
	Other	431.5	181.1	154.5	186.5	650	1603.6

Weighted Center City Mode Split

A01-01: Weighted daily commute mode data for Center City

CTR

Non-CTR

74

34589.9

total

34589.9

34589.9

	Total Employees	Survey respondents	Weight applied
CTR-affected	60%	92%	0.65
Non-CTR-affected	40%	8%	5

A01-03: Weighted Mode Split Data by Weekday (CTR-affected + non-CTR-affected)

Mode Wed Weighted total Mode Split % Mon Tue Thu 6168.2 8294.7 8119.3 7708.8 Public transit 5277 35568 21% 483.7 749.4 694.1 648.1 391.7 2967.1 2% Ferry 0% Vanpool 78.5 94.9 107.5 90.3 59.7 431 Carpool 829.7 1116.4 1158.8 1001.8 602.7 4709.2 3% **Employer shuttle** 66.1 504.9 0% 76.6 122.1 118.1 122 Uber/Lyft 108.8 650.9 0% 92.7 152.3 139.8 157.4 9.2 5.8 7.1 30.6 0% Taxi 4.5 3.9 Drive alone 6048.6 7931.1 7958 7846.3 5321.7 35105.7 20% Motorcycle 76.2 112.4 93.2 118.4 80.4 480.7 0% E-bike/e-scooter 184.5 244.3 265.5 264.4 200.7 1159.3 1% 3406.8 2% **Bike/Scooter** 579 784.1 743.1 782.2 518.5 Walk 967.5 1192 1225.2 1144.3 984.6 5513.5 3% Remote 18098.3 13403.7 13565.7 14267.7 19619 78954.3 46% Other 897.3 386.8 394.5 433.6 1355.1 3467.4 2%

34589.9

34589.9

172949.5

100%

Mode Total Public transit 22% Drive alone 21% Bike/E-bike 3% Walk 3% 46% Remote Rideshare 3% Other 2%

A01-04 grouped modes

Public transit = public transit (bus, light rail), ferry Drive alone = Taxi, Uber/Lyft Motorcycle, Drive alone Rideshare = Vanpool, carpool, employer shuttle Bike/ebike = e-bike, e-scooter, bike, scooter

A2-01: CTR-affected Responses by Seattle Neighborhood/district Weights

	Employee	% total	Number of survey	% total survey	Weight = % total employees/
Row Labels	Count	employees	respondents	respondents	% total respondents
Belltown & Denny Triangle	53017	29.20%	8082	14.40%	2.028
Capitol Hill, Pike/Pine, & First Hill	8908	4.90%	2753	4.90%	1
Commercial Core	39679	21.90%	17129	30.50%	0.716
East Seattle	1394	0.80%	888	1.60%	0.485
Elliott Corridor/Interbay	4738	2.60%	974	1.70%	1.504
Fremont/Green Lake	5646	3.10%	2327	4.10%	0.75
Northgate	2433	1.30%	1035	1.80%	0.727
Pioneer Square/ Chinatown/ International District	6683	3.70%	3372	6.00%	0.613
South Lake Union & Uptown	38637	21.30%	11145	19.90%	1.072
South Seattle	12896	7.10%	4889	8.70%	0.815
U District	7016	3.90%	3494	6.20%	0.621

A2-02 Weighted Mode Split Data for CTR-affected Employees by Neighborhood A2-03 grouped modes

	Mon	Tue	Wed	Thu	Fri
Carpool	1280.4	1781.3	1757.7	1644.0	1056.9
Drive alone	10479.2	13907.7	13907.7	13745.5	9432.3
E-bike/e-scooter	496.3	691.5	630.3	688.3	457.4
Employer shuttle	262.8	485.8	475.5	468.4	238.7
Ferry	486.4	767.4	756.1	701.7	403.9
Motorcycle	114.4	165.8	143.4	171.4	101.9
Other	1875.6	1121.2	1199.7	1252.8	2527.0
Public transit	7223.7	9802.2	9683.7	9250.5	6338.5
Remote	30302.4	22759.8	22946.2	23613.5	32152.0
Тахі	17.7	27.2	34.8	29.2	13.0
Uber/Lyft	295.7	414.4	379.3	425.8	309.8
Vanpool	181.6	213.4	221.6	193.6	134.6
Walk	1980.6	2455.1	2526.6	2477.6	1944.6
Bike/Scooter	971.6	1369.4	1300.2	1303.1	854.8

Mode	Total
Public transit	16.2%
Drive alone	22.9%
Bike/E-bike	3.1%
Walk	4.1%
Remote	47.1%
Rideshare	3.7%
Other	2.9%

Public transit = public transit (bus, light rail), ferry Drive alone = Taxi, Uber/Lyft Motorcycle, Drive alone Rideshare = Vanpool, carpool, employer shuttle Bike/ebike = e-bike, e-scooter, bike, scooter

MODE SPLIT UNWEIGHTED CENTER CITY COMMUTE BY WEEKDAY



Q10: Currently, during a typical week, how do you get to work each day? (Monday, Tuesday, Wednesday, Thursday, Friday). (only 6-9 am are included in the graphs). The graph shows the percentage of mode split for every day of the workweek, for respondents who work inside central Seattle for both CTR-affected and non-CTR-affected worksites.. Sample: Unique respondents: (N central city = 34.642). Total trips: (N central city = 173.210).

78

MODE SPLIT WEIGHTED/UNWEIGHTED CTR-AFFECTED RESPONSES

Weighted CTR WORKSITES

Weighted n = 55,965Weighted MoE = ± 1 pts

Unweighted CTR WORKSITES



Q10: Currently, during a typical week, how do you get to work each day? (Monday, Tuesday, Wednesday, Thursday, Friday, Saturday, Sunday). Q8: When do you typically begin work? The graph shows the percentage of mode split aggregated for all weekdays, for respondents who work with CTR-affected worksites inside Seattle. N = 55,965 respondents *** Note: The weighted graph on this slide reflect mode split of CTR-affected worksites weighted by the total number of CTR-affected employees in different Seattle Neighborhoods/districts, as shown in slides 75 and 76.

MODE SPLIT CTR-AFFECTED - UNWEIGHTED Center City BY WEEKDAY

Public 1	transit	Drive alone	Bike/E-bike	📒 Walk 🔳	Remote work	Rideshare O	thers		
Mon	15%		15% 2% 3%				Ę	59% 3	3% 3%
_									
Tue		22%		22% 3%	4%			44%	4%
Wed		22%		22% 3%	4%			45%	4%
Thu		20%		21% 3% 49	%			46%	4%
			_						_
Fri	13%	14	1% 2% 3%					62%	2% 3%
		25	%		50%	7	5%		

Q10: Currently, during a typical week, how do you get to work each day? (Monday, Tuesday, Wednesday, Thursday, Friday). (only 6-9 am are included in the graphs). The graph shows the percentage of mode split for every day of the workweek, for respondents who work inside central Seattle. Sample: Unique respondents: (N central city = 34.642). Total trips: (N central city = 173.210).

MODE SPLIT UNWEIGHTED YEAR TO YEAR COMPARISON



Q10: Currently, during a typical week, how do you get to work each day? (Monday, Tuesday, Wednesday, Thursday, Friday). Q8: When do you typically begin work? (only 6-9 am are included in the graphs). The graph shows the percentage of mode split aggregated for weekdays and excluding weekends, for respondents start working between 6-9 am inside central Seattle. N (2022) = 35,854 respondents Public transit includes bus, light rail, and ferry; Drive alone includes taxi, Uber/Lyft and motorcycle; Rideshare includes vanpool, carpool and employer shuttle; Other includes day off. The graph for 2022 is weighted by the total number of employees for CTR and non-CTR responses in Center City.

** Note : the 2021 & 2022 survey captured respondents' typical modes used each day, compared to 2019, which captured the modes used each day of the preceding week.