City and County of Honolulu WORK WHERE YOU LIVE REPORT

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Prepared by the City and County of Honolulu Department of Transportation Services, in cooperation with the Oahu Metropolitan Planning Organization and the United States Department of Transportation

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Dear Mr. Motoki:

SMS Research & Marketing Services is pleased to present the results of the Work Where You Live Survey, 2021. The survey was administered to City and County of Honolulu administrative employees whose positions had been approved for telework during the pandemic.

The project was intended to provide information on employee experiences and opinions that may be useful in planning and implementing City and County of Honolulu telework policy and procedures in the future.

We are pleased to have a role in this challenging project. Should you have questions, please call us.

Regards,

Faith Rex

Vice President, SMS Research & Marketing Services, Inc.

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Table of Contents

1		Introduction	1
	1.1	Background	1
	1.2	Objectives	1
	1.3	Method	2
2		Telework Situation During the Pandemic	3
	2.1	Extent of Telework	
	2.2	Geography	4
	2.3	Characteristics of Telework Personnel	6
	2.4	Summary	. 11
3		Evaluation of Telework Attributes	. 12
	3.1	Work-Related Factors that are Better at Home Office	. 12
	3.2	Analyzing the Future of Telework on Oahu	. 19
	3.3	Satisfaction with The Telework Experience	. 22
	3.4	Interest in Telework	. 23
4		Choice of Future Travel Modes	. 28
	4.1	Preferred Number of Telework Days	. 28
	4.2	Preferred Mode of Travel to Work in the Future	. 29
	4.3	Preferred Number of Days by Mode of Travel	. 30
	4.4	Drivers of Future Telework Choice	
5		Transportation-Related Issues – Trips Saved	. 35
	5.1	Trips Saved	. 35
	5.2	Impact of Preferred Future Mode of Travel to Work	. 36
6		Non-Traffic Impacts of Telework Changes	. 37
7		Appendix	. 39
	App	endix A – Survey Instrument and Study Methods	. 39
	App	endix B: Data Tabulations	. 49
	App	endix C: Tables for Work Items Better at Home or Better at Work	. 67
	App	endix D: Tables for Mode of Travel by Future Telework Preference	. 76

Tables

TABLE 1: MODE OF TRAVEL TO WORK BEFORE THE COVID-19 PANDEMIC BY SUPERVISORY ROLE	9
TABLE 2: AVERAGE DAYS AND TOTAL STOPS TO AND FROM WORK BY TELEWORK EXPERIENCE	10
TABLE 3: SUMMARY OF CITY EMPLOYEES' RATINGS FOR EVALUATION ITEMS	14
TABLE 4: CHARACTERISTICS THAT ARE SIGNIFICANTLY DIFFERENT BETWEEN TELEWORKING AND NON-TELEWORKING EMPLOYEES	20
TABLE 5: IMPORTANCE OF SELECTED EMPLOYEE CHARACTERISTICS IN EXPLAINING TELEWORK EXPERIENCE	21
TABLE 6: SATISFACTION BY TELEWORK EXPERIENCE	22
TABLE 7: INTEREST IN TELEWORK BY SATISFACTION WITH TELEWORK EXPERIENCE	25
TABLE 8: CHANGE IN MODE OF TRAVEL BEFORE THE PANDEMIC VERSUS FUTURE PREFERENCES	29
TABLE 9: PREFERRED MODE OF TRAVEL TO WORK IN THE FUTURE BY SUPERVISORY ROLE	30
TABLE 10: PREFERRED DAYS PER WEEK FOR METHOD OF TRAVEL TO WORK IN THE FUTURE	31
TABLE 11: CHARACTERISTICS THAT ARE SIGNIFICANTLY DIFFERENT BETWEEN FUTURE TELEWORKING AND NON-FUTURE TELEWORKI	ING CITY
EMPLOYEES	33
Table 12: Regression Results	33
TABLE B-1: TELEWORK EXPERIENCE BY DEPARTMENT	49
TABLE B-2. HOUSEHOLD CHARACTERISTICS OF CITY EMPLOYEES BY TELEWORK EXPERIENCE	50
TABLE B-3: DEMOGRAPHIC CHARACTERISTICS OF CITY EMPLOYEES BY TELEWORK EXPERIENCE	51
TABLE B-4: WORK-RELATED CHARACTERISTICS OF CITY EMPLOYEES BY TELEWORK EXPERIENCE	52
TABLE B-5: TRAVEL CHARACTERISTICS OF CITY EMPLOYEES BEFORE THE PANDEMIC BY TELEWORK EXPERIENCE	53
TABLE B-6A. STOPS MADE ON THE WAY TO WORK BY TELEWORK EXPERIENCE	54
TABLE B-6B. STOPS MADE ON THE WAY TO WORK BY TELEWORK EXPERIENCE	55
TABLE B-7A. STOPS MADE ON THE WAY HOME FROM WORK BY TELEWORK EXPERIENCE	56
TABLE B-7B. STOPS MADE ON THE WAY HOME FROM WORK BY TELEWORK EXPERIENCE	57
TABLE B-8. DEMOGRAPHIC CHARACTERISTICS FOR FUTURE TELEWORKERS AND NON-TELEWORKERS	58
TABLE B-9. WORK-RELATED CHARACTERISTICS FOR FUTURE TELEWORKERS AND NON-TELEWORKERS	59
TABLE B-10. SUPERVISORS' INTEREST IN FUTURE TELEWORK BY TELEWORK EXPERIENCE	60
TABLE B-11. CITY DEPARTMENT FOR FUTURE TELEWORKERS AND NON-TELEWORKERS	61
TABLE B-12. CHARACTERISTICS OF TRIPS TO AND FROM WORK FOR FUTURE TELEWORKERS AND NON-TELEWORKERS	62
TABLE B-13. NUMBER OF DAYS PREFER FUTURE TELEWORK BY DEPARTMENT	63
TABLE B-14. DATA BY ZIP CODE FOR MAPS	
TABLE B-15: BEFORE THE PANDEMIC AND PREFERRED FUTURE TRAVEL MODE FOR SANKEY CHART	65
TABLE B-16. HOME AND WORK LOCATION DATA FOR SANKEY CHART	66
Table C-1. Aspects of Work that are Better at Home	67
TABLE C-2. ASPECTS OF WORK THAT ARE THE SAME AT HOME AND AT WORKPLACE	
TABLE C-3. ASPECTS OF WORK THAT ARE BETTER AT THE WORKPLACE	69
TABLE C-4A. EVALUATION ITEMS BY LEVEL OF SATISFACTION WITH TELEWORK EXPERIENCE	
TABLE C-4B. EVALUATION ITEMS BY LEVEL OF SATISFACTION WITH TELEWORK EXPERIENCE	71
TABLE C-5A. EVALUATION ITEMS BY LEVEL OF INTEREST IN FUTURE TELEWORK	72
TABLE C-5B. EVALUATION ITEMS BY LEVEL OF INTEREST IN FUTURE TELEWORK	
TABLE C-6. REGRESSION ANALYSIS, EVALUATION ITEMS BY SATISFACTION WITH TELEWORK EXPERIENCE	74
TABLE C-7. REGRESSION ANALYSIS, EVALUATION ITEMS BY PREFERENCE FOR FUTURE TELEWORK	
$ \label{thm:constraint} \textbf{Table D-1. Before the Pandemic, Distribution of Trips to Work for Future Teleworkers and Non-Teleworkers \dots.} $	
TABLE D-2. DURING THE PANDEMIC, DISTRIBUTION OF TRIPS TO WORK FOR FUTURE TELEWORKERS AND NON-TELEWORKERS	
TABLE D-3. FUTURE PREFERENCE, DISTRIBUTION OF TRIPS TO WORK FOR FUTURE TELEWORKERS AND NON-TELEWORKERS	78

Figures

Figure 1. Total Days Teleworked During the Pandemic	4
Figure 2. Teleworkers per Thousand Driving Commuters by Zip Code	5
Figure 3: Home and Work Locations for All Commuter Trips	6
Figure 4. Work Items Rated Better at Home	
Figure 5. Work Items Better at the Office	14
Figure 6. Number of Employees Who Teleworked during the Pandemic	16
Figure 7. Percentage of Time Employees Teleworked during the Pandemic	17
Figure 8. Percentage of Work Supervisors Say Employees Can Do From Home	17
Figure 9. Supervisors' Interaction with Employees Rated Better at Work	18
Figure 11. Percentage of Job that Can Be Done From Home by Telework Experience	19
Figure 12. Overall Satisfaction with Telework Experience by Employee Type	23
Figure 13. Interest in Telework in the Future for All Employees	24
Figure 14. Supervisors' Interest in Employees' Teleworking and Number of Days Allowed	26
Figure 15. Employees Preferred Number of Days to Telework by Telework Experience	28
Figure 16. Sankey Chart of Prior and Future Modes of Travel to Work	32
Figure 17: Driving Trips Pre-COVID-19 by Zip Code	35
Figure 18. Trips Saved with Future Preference for Telework by Zip Code Error! Bookman	
Figure 19: Percent Reduction in by Zip Code	36
Figure 20. Potential Trips Saved by Number of Telework Days Allowed	37
Figure 21. Potential Non-Traffic Impacts of Future Telework	38

1 Introduction

1.1 Background

Response to COVID-19 has affected all segments of the life across the country. Responses across states ranged from lockdowns for a period to no significant changes in daily life. In Hawai'i a lockdown was imposed as the State's response to the COVID-19 Pandemic in 2020 and into 2021. This lockdown produced an unplanned demonstration of the impact State of Hawaii (State), City and County of Honolulu (City) and many private sector employees working from home had on reducing traffic.

In Hawaii, both the State and the City relied on policies and procedures that were already in place for telework. Over time, there were some modifications and additional support provided such as access to data files, hardware and software hookups, and new work protocols. Benefits and issues surfaced over time.

Given the experience of the past year, both the State and the City agreed that this was the ideal time to review employees' responses to teleworking, quantify potential impacts to the workplace and traffic. Results could be used to inform policy changes at the State and City level, and the related transportation planning efforts. This collaboration became known as "Work Where You Live" (WWYL) project, and the first product was the survey which is the subject of this report.

When the WWYL project was initiated in March 2021 the goal of the WWYL project was to inform telework policies that could potentially provide City and State employees with expanded choices and flexibility to work from home. Policies that enabled or encouraged telework would result in reduced commute times, vehicle miles traveled, and congestion. In addition, it could impact office space needs and requirements for parking. facilities. At a commuter level, the ability to telecommute could impact mode choices and as such, have downstream impacts that could shape transportation infrastructure and decision-making across the region.

Due to differences in developing sample populations for the survey and survey content, the City and the State each have their own report. This report is for the City.

1.2 Objectives

The goal of the WWYL Survey was to gather and review the experiences of City employees that can be useful in policy planning. Specific objectives for the project included:

- Clarify the telework situation on Oahu during the pandemic: number and types of employees with telework experience, conditions under which telework was applied, etc.
- Identify the benefits and the challenges related to employee telework experience: satisfaction, productivity, resources, support, and capacity for telework.
- Interest in continuing or beginning to telework in the future
- ❖ Actual and expected changes in transportation mode choice resulting from Telework and its impact on traffic and transportation in the City.
- SMS developed the approach and methods for the survey with the assistance of the Stantec team and the WWYL Steering Committee. Methods are described below.

1.3 Method

Survey Population

The population for this study was City employees who had been approved for Telework as of March 31, 2021. As of that date, there were 1,602 such employees. Of those, all had valid City email addresses. Those 1,602 employees became the survey population for the City WWYL Survey, 2021.

The Survey Instrument

After discussion with the client and project team, an initial draft of the survey instrument was produced by the Redhill Group and SMS Research (SMS). They designed a survey suited to online administration and would cover the content specified in the original project description. The WWYL Steering Committee then reviewed the initial draft. Over several weeks, the Steering Committee and the staff at SMS, worked diligently to perfect a survey instrument that world work for survey recipients and supply the information needs of all parties. The survey was then pre-tested by SMS, and minor changes were made before a final draft was produced and approved. A copy of the City WWYL Survey for 2021 is attached as Appendix A.

Data Collection and Quality Control

The email list of employees was retained by the City for this project. SMS provided unique passwords that were sent out with the survey link to ensure that there were no duplications in survey responses. Approximately one week prior to distribution of the survey, an email was sent to employees that included a description of the WWYL project encouraging them to participate and complete the survey in a timely manner. On June 2, 2021, emails with a link to the survey were sent out. The response was quick and data collection was terminated on June 14, 2021.

A survey link was emailed to all employees approved for telework (1,602 surveys emailed.). Overall, 1,080 surveys were completed for a 67 percent response rate. This provides precision and reliability at plus-orminus 1.7 percentage points at the 95 percent confidence level. Survey results were weighted and expanded to represent 1,602 employees.

A detailed explanation of the study methods is included in this report as Appendix A.

2 Telework Situation During the Pandemic

To evaluate the telework experience among City employees, the survey was designed to provide data regarding

- ❖ The number of employees involved in telework during the pandemic
- Demographic, geographic, and economic characteristics that distinguish employees who chose to telework from those who did not telework
- Characteristics that are associated with a preference for telework among City employees

2.1 Extent of Telework

While all City employees included in the study were approved for telework as of March 31, 2021, 1,267 (79.1%) employees did so. That is, they worked from home for more than a day or two between March 1, 2020, and March 31, 2021, with the approval of their supervisor. Throughout this report we will use this definition for teleworkers.

The extent of teleworking differed across City departments (Appendix Table B-1). The range was from Human Resources where 96 percent of employees had telework experience, to Environmental Services where 16 percent of employees had undertaken telework. Participation numbers were highest in the Departments of Budget and Fiscal Services, Planning and Permitting, and Information Technology departments. To maintain confidentiality, departments with fewer than 35 telework employees were combined for reporting purposes.

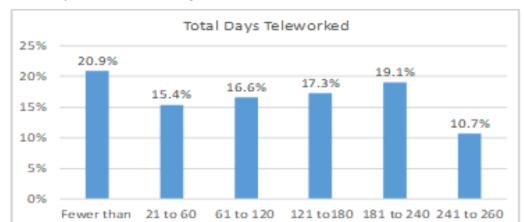
Figure 1 shows that the number of days spent working from home during the pandemic – a measure of the intensity of telework experience -- was broadly distributed. Approximately one-fifth of teleworkers worked from home fewer than 20 days (about 3 weeks), with the same number working from home between nine and twelve months.

days

days

days

WWYL City Report



days

Figure 1. Total Days Teleworked During the Pandemic

20 days

Source. Work Where You Live employee survey, 2021

days

2.2 Geography

The number of teleworkers in any given area is related to the number of persons in that area who typically commute to work; a larger population leads to more commuters, which leads to more teleworkers.

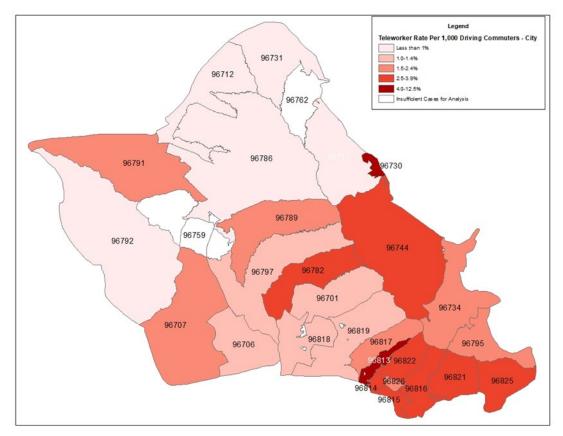
Because the number of teleworkers, number of commuters, and adult population are highly correlated, the map of telework experience looks just like the population maps. To emphasize the effect of telework, we used the rate of teleworkers per 1,000 vehicular commuters. The calculation divides the total number of driving commuters in a zip code¹ by the total number of teleworkers from the survey², multiplied by 1,000. So, for zip code 96816, the telework penetration for City employees was 3.8 per thousand. This calculated rate revealed concentrations of teleworkers to be highest in the Honolulu, East Honolulu, and Windward areas. Likewise, it reflects City workers that had jobs that could be done by teleworking, it does not reflect the distribution of City workers.

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¹ American Community Survey 2019 5-year estimates.

Work Where You Live Employee Survey, 2021.

Figure 2. Teleworkers per Thousand Driving Commuters by Zip Code

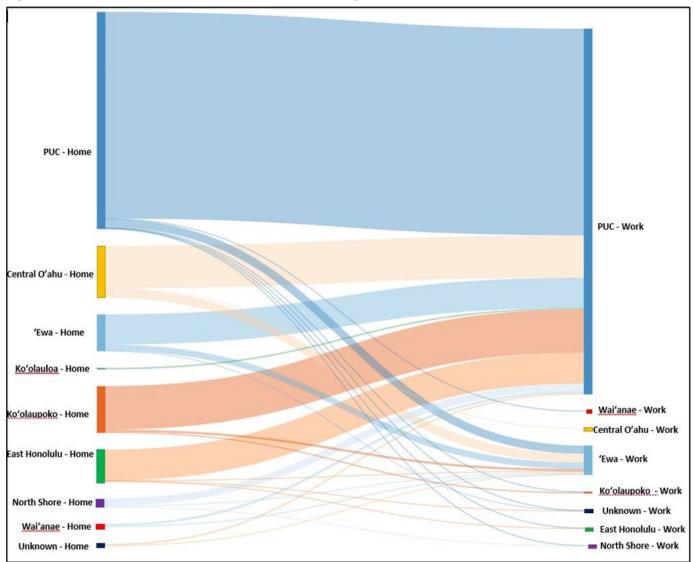


Source. Work Where You Live employee survey, 2021 and American Community Survey, 2019 5-year estimate. Data can be found in Table B-8 in the Appendix.

Employees who teleworked lived throughout the island of Oahu, with Downtown and Nu'uanu having the highest rates (Figure 2). Kaawa also had a high rate of teleworkers per thousand commuters. The rest of Honolulu (Mānoa to Hawaii Kai), along with Kaneohe and Pearl City, had the next highest rates. It was surprising to note that more distant areas like Koolauloa, North Shore, and Waianae had the lowest level of telework experience.

In preparation for analysis of employee's trip behavior, the survey gathered the zip codes for each worker's home and work address. Together, these data can be used to study the pattern of traffic generated by the 1,602 employees each week. Figure 3 provides a visual representation of the home and work locations for the City personnel included in this study. The graphic technique used here is a Sankey chart.

Figure 3. Home and Work Locations for All Commuter Trips



Source. Work Where You Live employee survey, 2021. Data can be found in Table B-9 in the Appendix

Most City employees work in the PUC and commute from communities across the island.

2.3 Characteristics of Telework Personnel

Another six items were work-trip-related. They included the length of the usual morning trip to work in minutes and in miles, the length of the usual afternoon trip in minutes and miles, the time of day for a typical journey from home to work and the standard trip from work to home, and the number of days per week the employees used different travel modes to get to work.

Detailed data can be found in Appendix B.

Social and Demographic Characteristics

Teleworkers were five percent more likely to be women. Teleworkers were significantly more likely to be younger: the median age for City employees who had telework experience was 53.1 years v. 60.2 year for non-teleworkers. Likewise, 60 percent of the non-telework employees were 55 years of age or older, versus 43.8 percent of telework employees.

The vaccination status of telework and non-telework personnel was identical. The percentage of fully vaccinated workers was 90.1 percent for teleworkers and 91.1 percent among non-teleworkers. However, vaccination status was mostly acquired after the period covered by our survey and therefore was not a factor in employee decision to work from home.

The median household income for both the telework and non-telework groups was virtually identical at \$99,582 and \$99,956, respectively. The median household size of 3.8 persons did not differ between employees who chose to telework and those who did not. Most households in both groups did not include children under the age of 18.

Additional childcare responsibilities were a distinguishing factor between telework and non-telework personnel. Over half of the City employees who teleworked during the pandemic reported having additional daytime childcare responsibilities (51%), compared to 44 percent of non-telework employees. A small number of respondents in each group (14.3% v. 13%) reported having additional daytime care responsibilities for adults.

Employees who worked from home were asked about the number of adults who were teleworking or virtually attending school while they were working. In most cases, respondents stated the no other adults (44.2%) or one other adult (37.7%) was working or studying online while they were working. Telework employees were also asked how many students were engaged in virtual learning while they were working from home. Seven out of ten teleworkers reported having no students attending virtual school while they were teleworking.

Detailed data can be found in Appendix B-2 and B-3.

Work-Related Characteristics

One-third of the 1,267 City employees who worked from home during the pandemic were supervisors (420 persons), and the remaining 847 employees were in non-supervisory roles. Among supervisors who worked from home during the pandemic, 65.1 percent were responsible for between one and five employees, while only 8.8 percent supervised 20 or more employees. Over 26 percent of supervisors who did NOT telework during the pandemic were responsible for 20 employees or more.

Among employees who teleworked, six out of ten had been with the City for less than ten years (60.1%). Non-telework employees, were more likely to be long-time employees with more than 15 years of service (32.9%). In addition, over 69 percent of City employees who teleworked were included in a bargaining unit, compared to 58 percent of non-telework employees.

Many City employees already had the tools necessary for telework. They had a computer or other suitable hardware (98.9%) and internet service at home (98.6%). Having the technology at hand can ease the transition into telework. They also expressed confidence that they could work from home successfully. Fully 55 percent of them felt that more than 60 percent of their job could be done from home (55.2%). Fewer than four percent felt that no portion of their jobs could be done from home (3.9%).

Detailed data can be found in Appendix Table B-4.

Travel Characteristics

Before the pandemic, 95 percent of all City employees surveyed worked a regular work week, five days a week for eight hours per day. Most employees left for work between 6:00 AM and 9:00 AM (78.4%) and left their workplace to go home between 3:00 PM and 7:00 PM (84%).

Detailed data can be found in Appendix Table B-5.

Distance and Time

The nature of the commute to work was notably different for the telework and non-telework groups. Prior to the pandemic, telework employees traveled a median of 9.9 miles to work, while non-telework employees had a slightly longer commute of 13.8 miles. A more dramatic difference was found for each group's median travel time to work. Even though they traveled fewer miles between their home and workplace, telework employees spent a median of 41 minutes commuting to work before the pandemic. Non-telework employees, despite their longer route to work, had a median commute time of only 28 minutes. Assuming a five-day work week and similar times traveling to and from work, that would suggest that the commute time for telework employees was two hours longer than non-telework employees each week.

Two factors may be at play here, one that drivers are better able to accurately measure commutes by time rather than by miles, and two, time spent commuting influences the desire to telework more than miles.

Mode Choice

Prior to the COVID-19 pandemic, most City employees commuted to work by car, either driving alone (63.4%) or carpooling (12.2%). Another 12.7 percent of employees utilized public bus transportation. Less than five percent each chose to walk (4.3%), ride a bicycle (3.7%), or some other form of transportation (2.5%) before the pandemic.

Only 1.8 percent of study participants reported doing any number of days of telework prior to the pandemic.

Table 1: Mode of Travel to Work BEFORE the COVID-19 Pandemic by Supervisory Role

	Supervisor Non-Supervisor				Total		
Travel Mode BEFORE COVID-19	Number of supervisors	% of supervisors	Number of non- supervisors	% of non- supervisors	Number of responses	% of total employees	
Telework	8	1.4%	20	2.0%	29	1.8%	
Drove alone	412	69.4%	603	59.8%	1,015	63.4%	
Carpooled	73	12.3%	122	12.1%	195	12.2%	
Rode TheBus	55	9.3%	148	14.7%	204	12.7%	
Rode a bicycle	20	3.4%	39	3.9%	59	3.7%	
Walked	24	4.0%	45	4.5%	69	4.3%	
Other	13	2.2%	27	2.7%	41	2.5%	
Total Responses	606		1,005		1,611		
Total Respondents	594		1,008		1,602		

Note: The respondents were allowed to select one or more mode of travel, so the percentage may not sum to 100% Source. Work Where You Live employee survey, 2021

Stops

Another element of City employees' commute included in the present study was whether they made any stops on their way to or from work. Regarding the nature of their commute before COVID-19, survey participants were asked how many days per week they made any of seven types of stops on the way to or from work.

Prior to the pandemic, when traveling from home to work, telework employees made an average of 2.2 stops per week. The average among all non-telework employees was 1.5 stops each week.

All employees were more likely to make a stop during their commute home from the office than in the morning. Like the morning commute, the average number of days per week telework employees stopped was higher than for non-telework employees. Like stops made on the way to work, stops made on the way home generally included dropping off or picking up someone else and buying food or other goods. Unique to the trip home from work, however, were stops made to exercise. Telework employees stopped an average of 1.2 days per week pre-COVID-19 to exercise, while non-telework employees stopped 2.5 days each week.

Detailed analysis of stops made while traveling to and from work can be found in Appendix Tables B-6 and B-7.

Table 2: Average Days and Total Stops to and From Work by Telework Experience

	Telework Experience			
		lework rience		lework rience
	Mean	Total	Mean	Total
Stops Made on the Way TO Work				
Drop-off/pick up another person	2.11	987	1.87	127
Buy goods (groceries, clothes, gas)	0.89	429	0.95	94
Buy services (dry cleaner, banking, pet care)	0.25	75	0.49	24
Buy food (coffee, breakfast, dinner)	1.66	885	1.68	179
Other errands (post office, library, etc)	0.45	164	0.61	38
Exercise (gym, jog, etc)	0.47	149	0.44	18
Other	0.22	61	0.64	31
Stops Made on the Way FROM Work				
Drop-off/pick up another person	1.95	914	1.45	109
Buy goods (groceries, clothes, gas)	1.58	1323	1.55	287
Buy services (dry cleaner, banking, pet care)	0.62	229	0.71	58
Buy food (coffee, breakfast, dinner)	1.71	1085	1.70	256
Other errands (post office, library, etc)	0.96	486	0.95	107
Exercise (gym, jog, etc)	1.16	452	2.54	75
Other	0.57	166	0.84	54

Source. Work Where You Live employee survey, 2021

2.4 Summary

In describing the telework situation among City employees, we identified many characteristics related to whether employees teleworked during the pandemic. We found that teleworking employees were younger and more likely to be female than their non-teleworking counterparts.

Their home situation of teleworkers was very much like those of other employees, although they were more likely to have children and to have experienced childcare issues during the pandemic. They were no more likely than other households to have competition for the computer, and both groups were equally as likely to have access to internet.

Teleworkers were more likely to have been employed fewer years with the City and belong to a bargaining unit. And, of course, some City departments had more teleworkers than others. Non-telework employees were more likely to be long-time employees with more than 15 years of service (32.9%).

Teleworkers traveled slightly shorter distances to work, but their trips took a bit longer to complete. Like non-teleworkers, most of them drove to work alone before the COVID-19 pandemic began.

3 Evaluation of Telework Attributes

Understanding satisfaction with aspects of teleworking can provide policy makers with insights on how to encourage teleworking in the future should they decide to promote it. Survey respondents who had telework experience during the pandemic were presented with a set of 20 aspects of telework and asked to rate each element as better at home, better at work, or the same in both locations. Respondents who did not telework were presented with the same set of elements and asked to indicate whether they thought each would be better at home, better at work, or the same in both locations.

In addition, supervisory personnel were asked to evaluate their own telework experience. These supervisors were then asked to assess the telework experience of the employees they supervised.

3.1 Work-Related Factors that are Better at Home Office

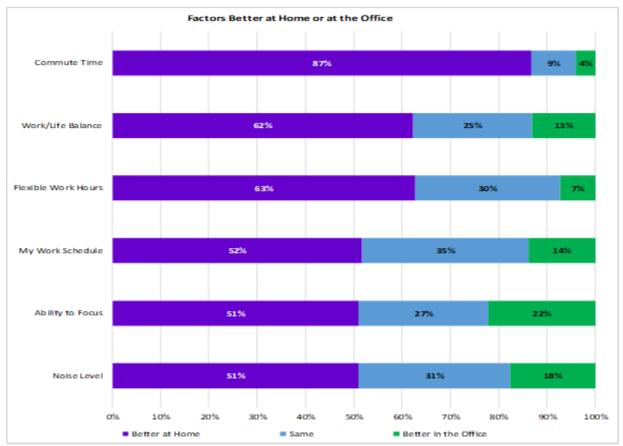
Advantages of telework were defined as those elements for which most of the survey respondents rated the item as "better at home" or "much better at home." Elements for which a majority of respondents rated the item as "better at work" or "much better at work" were classified as advantages of working at the office.

For a small number of work-related elements, a majority of respondents rated the item as "the same at home and at work." If an approximately equal percentage of respondents rated a given item as better at work, better at home, and the same at both, that element was considered the same at both locations.

Detailed tables of the elements rated better at home and better at work can be found in Appendix C.

City employees identified a variety of work-related elements that were rated as better or much better when working from home. These telework advantages included commute time, flexible work hours, work/life balance, work schedule, noise level, and ability to focus. Figure 4 shows the percentage of employees who rated each element as better when teleworking.

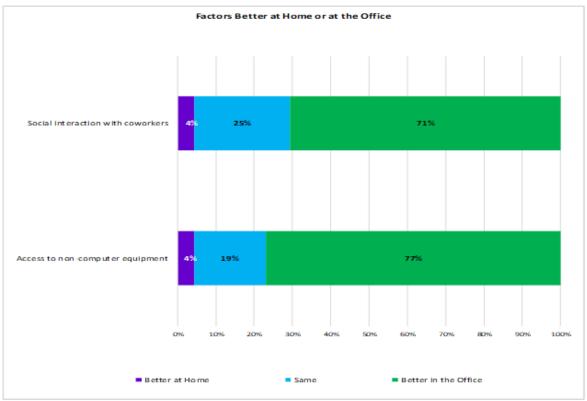
Figure 4. Work Items Rated Better at Home



Source. Work Where You Live employee survey, 2021

Employees also identified two aspects of work that were better or much better in the office (Figure 5). First, most respondents reported that the ability to engage in social interactions with their coworkers and to access non-computer equipment was better when working at their office than at home.

Figure 5. Work Items Better at the Office



Source. Work Where You Live employee survey, 2021

The remainder of the work-related elements were rated by City employees as being the same at home and at work.

Detailed tables can be found in Appendix C.

Table 3: Summary of City Employees' Ratings for Evaluation Items

Better at Home	Same at Home and Workplace	Better at Workplace
Commute time	Productivity	Access to non-computer equipment
Work/life balance	Internet speed	Social interaction with coworkers
Work schedule	Access to software	
Ability to focus	Access to training	
Flexible work hours	Collaboration with coworkers	
Noise level	Ability to mentor or be mentored	
	Access to supervisors	
	Access to databases	
	Ability to track work status	
	Access to work-related files	
	Computer equipment	
	Physical arrangement of work space	

Source. Work Where You Live employee survey, 2021 $\,$

By Department

The distribution of work items seen as better at home or better at work clarifies how the survey population evaluated their telework experience during the pandemic period. They are also valuable when considering policy at the City level and for each of the City's departments.

On numerous aspects of work, all departments agreed that telework held the advantage over working in the office. Commute time, flexible works hours, work/life balance, and work schedule were some of these. Most departments also agreed that the noise level was an advantage of telework, with only two departments rating it the same at home and in the workplace.

Similarly, nearly all departments agreed that collaboration, social interaction with coworkers, and access to non-computer equipment were better in the office than working from home.

There was less agreement among the departments regarding productivity. Eleven departments felt that productivity was the same in both locations. Three departments viewed productivity as higher with telework: Information Technology, Planning and Permitting, and the Prosecuting Attorney. Only one department, Environmental Services, rated productivity as better in the workplace, with four out of ten employees sharing this perspective.

The physical arrangement of the workspace was another issue about which the employees from Information Technology and Planning and Permitting opted for different ratings than the other departments. Personnel in both groups felt that telework offered a better physical arrangement of their workspace.

Concerning the ability to focus, all but one department rated it as an advantage to telework. Among employees in the HART department, however, only three out of ten felt their ability to focus was enhanced by telework.

Examining the department-specific perspectives about the advantages and disadvantages of telework could provide insight into policies and procedures that only affect specific segments of the City's employees.

By Supervisors

Employees in a supervisory role were asked to provide their feedback about the telework experience of their employees during the pandemic. Eighty-five percent of supervisors in the study had at least one employee who worked from home during the pandemic period.

Most supervisors surveyed were responsible for between one and five telework employees (59.3%). Another 13.8 percent of the supervisors had six to ten employees who teleworked.

More than 35 people, 2.2%

11 to 19 people, 2.2%

None, 15.8%

1 to 5 people, 59.3%

About how many employees that you supervised did at least some telework during the pandemic?

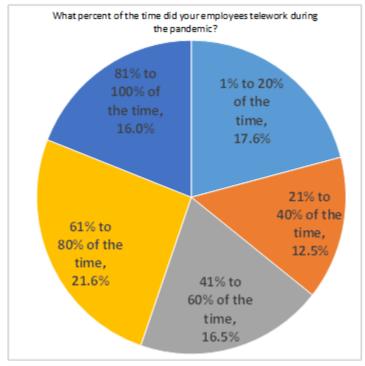
Figure 6. Number of Employees Who Teleworked during the Pandemic

Source. Work Where You Live employee survey, 2021

The amount of time employees spent working from home varied widely. Thirty percent of the employees performed 40 percent or less of their job-related tasks from home. Sixteen percent accomplished most of their job responsibilities (81 to 100 percent) while working from home.

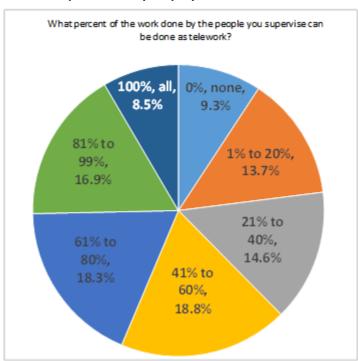
When supervisors were asked to estimate the percentage of their employees' jobs that could be accomplished through telework, an approximately equal number stated that all (8.5%) or none (9.3%) of the tasks could be done from home. However, most of the other supervisors (54%) judged that between 41 and 99 percent of employees' jobs could be done through telework.

Figure 7. Percentage of Time Employees Teleworked during the Pandemic



Source. Work Where You Live employee survey, 2021

Figure 8. Percentage of Work Supervisors Say Employees Can Do from Home



Source. Work Where You Live employee survey, 2021

Based on their experience supervising telework employees, supervisors were presented with ten topics related to employees' performance and performing their duties as a supervisor. Supervisors were asked to rate each element as better at home, better at work, or the same in both locations. Supervisors who had no employees working from home during the pandemic were asked to respond to the same topics based on whether they believed the issues would be better at home, better at work, or the same in both locations.

Most supervisors agreed that employee morale was better with telework. Facilitating meetings and managing work schedules was viewed by supervisors as essentially the same whether employees were physically present in the office or working from home. For the remaining seven topics, supervisors reported that they were better when employees were at the workplace.

The degree to which being in the office was advantageous differed between supervisors who had telework employees in the past versus those who did not. Supervisors who had navigated the issues with telework employees previously rated items like productivity, motivating, mentoring, and training staff, and collaboration among staff as only somewhat better at the office than at home.

41.8% Motivating staff Staff productivity Monitoring productivity 60.5% 49.1% Provide guidance for staff advancement 69.4% Training Staff 77.1% 56.4% Collaboration among staff 68.6% 58.9% Mentoring staff 10% 20% 30% 40% 60% 80% 50% Did Not Supervise Telework Employees

Figure 9. Supervisors' Interaction with Employees Rated Better at Work

Source. Work Where You Live employee survey, 2021

The results suggest that, if a sizable percentage of employees are permitted to telework in the future, supervisors may benefit from additional training in telework-related topics. For example, ways to motivate and mentor staff, strategies for monitoring productivity, and methods for encouraging collaboration among staff would likely benefit supervisors of employees who work remotely.

Open-ended input was solicited from all supervisors in response to the following question: What methods could supervisors use to monitor the performance of their subordinates when subordinates are teleworking? These responses were provided to the City to consider relative to future teleworking policies and procedures.

3.2 Analyzing the Future of Telework on Oahu

Drivers of Decision to Telework

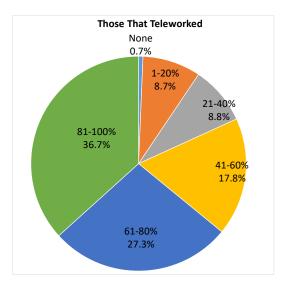
All the various work-related, demographic, and travel-related characteristics were examined to determine if a set of attributes explained or drove telework choice. The result of this analysis was that no single element or set of elements drove employees to telework. This is likely a function of the fact that everyone surveyed was approved for telework.

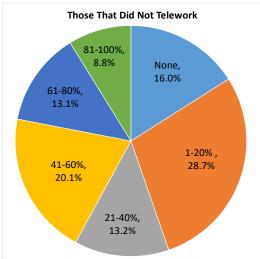
There was, however, a factor that emerged as highly associated with employees' status as a teleworker or non-teleworker: the degree to which an individual's job could be performed from home. Again, this may be an artifact of the sample drawn from the study, which was those employees whose jobs were well suited to telework.

Among employees who teleworked during the pandemic, 37 percent reported that between 81 and 100 percent of their job responsibilities could be done through telework. An additional 27 percent stated that 61 to 80 percent of their work could be done from home, and 18 percent felt that telework was appropriate for 41 to 60 percent of their work. Less than one percent stated that none of their work roles could be fulfilled through telework.

Employees who did not have telework experience were also asked to estimate the percentage of their jobs they believed could be done via telework. Sixteen percent stated that no part of their jobs could be done working from home. Twenty-nine percent felt that they could accomplish minimal work from home (1-20%). One in five non-telework employees reported that they could do 41 to 60 percent of their jobs through telework.

Figure 10. Percentage of Job that Can Be Done from Home by Telework Experience





Source. Work Where You Live employee survey, 2021

Four other characteristics were found to be significantly different between City employees with telework experience and those with no telework experience. First, teleworkers were more likely than non-teleworkers to be young (between the ages of 18 and 44). Second, telework personnel stated that a significantly larger percentage of their job could be done from home. Additionally, employees with telework experience typically reported a longer pre-COVID-19 commute to work (greater than 30 minutes) than non-teleworkers. Finally, and not surprisingly, teleworking employees were also more likely than non-telework employees to have Internet at their house.

Table 4: Characteristics that are Significantly Different between Teleworking and Non-Teleworking Employees

	Telework	No Telework	Diff.
Age: 18 – 44 years	39.6%	21.1%	18.5
More than 60% of my job can be done from home	64.1%	21.9%	42.2
Trip to work takes 30 minutes or more	30.0%	19.7%	10.3
Has no internet provider at home	0.6%	4.6%	4

Table 5: Importance of Selected Employee Characteristics in Explaining Telework Experience

Characteristic	Relative Importance Score	Statistical Significance
Percent of job can be done from home	0.404	0.000
Age	-0.090	0.001
Length of trip to work in minutes	0.110	0.001
Has an Internet provider at home	0.078	0.002

R-squared was .225

The drivers analysis aims to identify those attributes that make a particular choice attractive to the chooser. In the case of City government employees who experienced telework during the pandemic, the choice was not made by the employee alone. Hence the model will be less isomorphic with respect to choices.

Even though the telework choice was not solely at the employees' discretion, all the items discussed above are relevant to planning and policymaking for telework in the future. Each has a statistical relationship with having had telework experience and is equally involved in the analysis of future choices about travel to and from work.

3.3 Satisfaction with The Telework Experience

Several sets of characteristics of the telework experience were developed to gather evaluations of telework from supervisory and non-supervisory employees. Those with telework experience during the COVID-19 pandemic were asked to provide input based on that experience. Those with no telework experience were asked to evaluate the items based on whatever they knew about telework. Supervisory personnel were asked to assess their own telework experience and later asked to evaluate the telework experience of the employees they supervised.

Employees who teleworked during the pandemic were satisfied with their experience. Eighty-five percent of teleworkers stated that they were satisfied (26.3%) or very satisfied (58.2%) with their overall telework experience (Table 6). Eleven percent of teleworkers were neither satisfied nor dissatisfied, and only four percent reported being dissatisfied (3.4%) or very dissatisfied (0.7%) with their telework experience.

Table 6: Satisfaction by Telework Experience

		Telework Experience							
			lework ience		ework ience	Total			
		Count	Pct	Count	Pct	Count	Pct		
	Very satisfied	737	58.2%			737	58.2%		
Overall	Satisfied	334	26.3%			334	26.3%		
satisfaction with telework	Neutral	145	11.4%			145	11.4%		
experience?	Dissatis fied	43	3.4%			43	3.4%		
	Very Dissatisfied	8	.7%			8	.7%		
	Very satisfied	488	38.5%	136	40.6%	624	39.0%		
Overall	Satisfied	578	45.6%	140	41.9%	718	44.8%		
satisfaction	Neutral	143	11.3%	43	12.9%	186	11.6%		
with job	Dissatis fied	47	3.7%	12	3.7%	60	3.7%		
	Very Dissatisfied	11	.9%	3	.9%	14	.9%		

Source. Work Where You Live employee survey, 2021

City employees were also asked to evaluate their job satisfaction in general. Job satisfaction was high overall, with the same distribution as seen for telework satisfaction. About 84 percent of employees were satisfied or very satisfied with the jobs – just one point lower than the telework satisfaction measure. For job satisfaction, we can also see that there was little or no difference between response from those with telework experience and those without it.

With respect to the differences between supervisors and the employees they supervised, there were very minor differences in their satisfaction ratings (Figure 12). The only significant difference was that supervisors were more likely than non-supervisory employees to be very satisfied (59.7% vs. 23.7%).

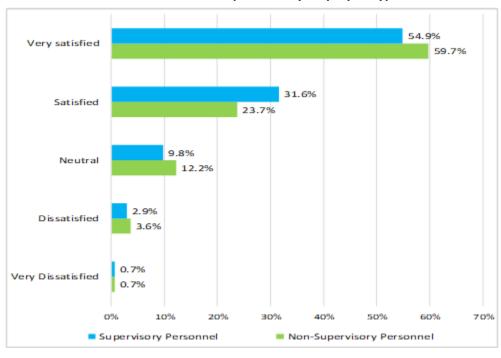


Figure 11. Overall Satisfaction with Telework Experience by Employee Type

Source. Work Where You Live employee survey, 2021

3.4 Interest in Telework

With employees reporting such elevated levels of satisfaction with the telework experience, we might expect that there would be some interest in continuing (or beginning) to work from home in the future.

Survey respondents were asked about their interest in participating in telework in the future. They rated their level of interest on a five-point scale from not at all interested to very interested.

More than six out of every ten employees (61.5%) were very interested in telework in the future. Another 17.1 percent were somewhat interested in working from home in the future.

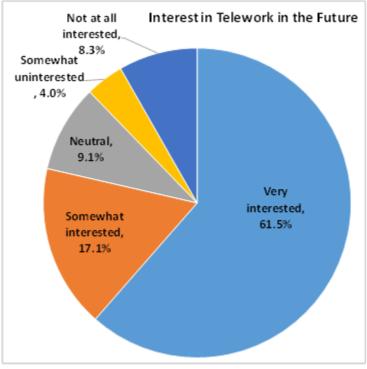


Figure 12. Interest in Telework in the Future for All Employees

Source. Work Where You Live employee survey, 2021

Interest by Previous Telework Experience

The level of interest in teleworking in the future was significantly different for employees with telework experience versus those with no prior telework experience. Among those who teleworked during the pandemic, 70.1 percent stated they were "very interested," and 15.8 percent said they were "somewhat interested" in future telework. For employees who had not worked from home previously, only 29.1 percent were "very interested," and 21.8 percent were "somewhat interested" in pursuing telework in the future. This could suggest that once employees try telework, they tend to have a favorable impression of it. It might also indicate that those who did not choose to work from home during the pandemic, even if they were approved to do so, still do not believe that most of their work can be done at home.

Interest by Satisfaction

Table 7 below illustrates that City employees who were very satisfied with the telework experience are significantly more interested in continuing to telework in the future. Nearly 77 percent of those who were "very interested in future telework also reported being "very satisfied" with their previous experience. Conversely, none of the employees who were "not at all interested" in working from home reported a high level of satisfaction with their telework experience.

Table 7: Interest in Telework by Satisfaction with Telework Experience

		Interest in Future Telework										
Satisfaction with	,			mewhat erested Ne		Somewh utral uninteres					Total	
Experience	Count	Pct	Count	Pct	Count	Pct	Count	Pct	Count	Pct	Count	Pct
Very satisfied	683	76.9%	47	23.6%	7	7.4%	0	0.0%	0	0.0%	737	58.2%
Satisfied	182	20.5%	103	51.2%	32	35.4%	11	29.1%	6	11.5%	334	26.3%
Neutral	20	2.3%	43	21.7%	46	51.3%	15	39.2%	20	39.3%	145	11.4%
Dissatisfied	2	.3%	7	3.5%	5	5.9%	11	30.0%	17	33.7%	43	3.4%
Very Dissatisfied	0	0.0%	0	0.0%	0	0.0%	1	1.7%	8	15.6%	8	.7%
Total	888	100.0%	200	100.0%	90	100.0%	38	100.0%	50	100.0%	1,267	100.0%

Source. Work Where You Live employee survey, 2021

Interest by Perceived Advantages

City employees who preferred telework in the future typically noted several key advantages to working from home. Included in these were a better work schedule, enhanced work-life balance, and better productivity. Conversely, the employees who would not choose telework in the future cited the disadvantages of telework they experienced during the pandemic, such as little social interaction and collaboration with coworkers and limited access to supervisors.

Interestingly, both those interested in future telework and those not interested identified access to noncomputer equipment as a significant disadvantage to telework. For those who would prefer future telework, however, the other benefits outweighed that concern.

Detailed data can be found in Appendix C-5.

Interest by Characteristics

Employees who would like to work from home in the future had several characteristics that distinguished them from those who would not opt to telework going forward. First, future telework employees tended to be younger, with nearly one-quarter falling between the ages of 18 and 34 (23.7%). The group who did not prefer telework was much more likely to be age 55 or older (60.2%).

A much larger percentage of the future telework employees had experienced additional daytime childcare responsibilities during the pandemic (53%) compared to non-teleworkers (45%). The flexibility afforded to these parents and caregivers by working from home made future telework an attractive option.

Finally, employees working in non-supervisory roles were more likely to prefer future telework (46%) than were supervisors (29%).

Detailed data can be found in Appendix Tables B-8 and B-9.

Interest by Supervisors

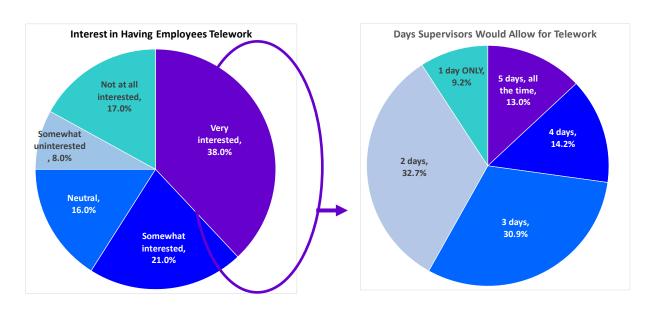
Previous telework experience significantly impacted supervisors' interest in future telework, both for themselves and for their employees. For example, half of the supervisors who had telework experience during the pandemic were "very interested" in having their employees telework in the future (48%), compared to just 14 percent of supervisors with no prior telework experience.

Previous telework experience had little influence on the number of days that supervisors were willing to allow their employees to telework in the future. The average number of days for supervisors with previous telework experience was 2.9 days, while the average was 2.7 days for those with no prior experience.

While their willingness to allow employees to telework was not particularly affected by their previous experience, the number of days supervisors would choose to telework themselves was clearly impacted. Supervisors who teleworked during the pandemic preferred an average of 1.4 days of telework per week, on average, in the future. However, the average number of future telework days preferred by those who had not worked from home was only 0.5 days.

Supervisors who had employees that worked from home during the pandemic were presented with a series of questions to determine the extent of teleworking and the perceptions of the impact. Most supervisors (59.3%) had between one and five employees who teleworked during the pandemic. The frequency of telework was evenly divided among supervisors' employees, with 22 percent teleworking 61 to 80 percent of the time and about 16 percent working either 41 to 60 or 81 to 100 percent of the time.

Figure 13. Supervisors' Interest in Employees' Teleworking and Number of Days Allowed



When asked about the percentage of employees' jobs that could be accomplished through telework, supervisors were evenly split. Roughly 18 percent of supervisors stated that 41 to 60 or 61 to 80 percent of employees' jobs could be done from home. An additional 17 percent thought that 81 to 99 percent of their jobs could be managed through telework.

Detailed data can be found in Appendix Table B-10.

Interest by Department

Once again, differences were noted between departments in the level of interest in teleworking in the future. Departments with the highest percentage of employees interested in working from home in the future included Public Safety (76.2%), Transportation Services (73.2%), and Environmental Services (72.1%). Less than half of the employees working for Parks and Recreation, HART, the Prosecuting Attorney, and Design and Construction departments were interested in telework in the future.

Detailed data can be found in Appendix Tables B-11 and C-7.

4 Choice of Future Travel Modes

Six out of ten employees indicated that they would choose to telework for one or more days in the future (59.9%). This percentage is like the 61 percent who said they were "very interested" in teleworking in the future.

A notable difference was also observed between supervisors and non-supervisory personnel in the desire to telework. Nearly 60 percent of non-supervisory personnel (58.8%), regardless of prior experience with telework, would opt for at least one day of telework in the future. Among supervisors, however, only four out of ten would prefer to telework (39.9%).

Various City departments were more inclined to opt for telework in the future than were other departments. For example, interest in telework was highest among employees in Human Resources (69.1%), Transportation Services (69%), the Mayor's Office (59.5%), and Information Technology (59.1%). Conversely, employees of the Parks and Recreation (33.6%) and Environmental Services (29.7%) were least likely to choose telework in the future.

4.1 Preferred Number of Telework Days

Among those employees who would like to work from home in the future, the average number of telework days preferred was 3.1 days. 35 percent of those who prefer to telework in the future would choose to do so four or five days per week.

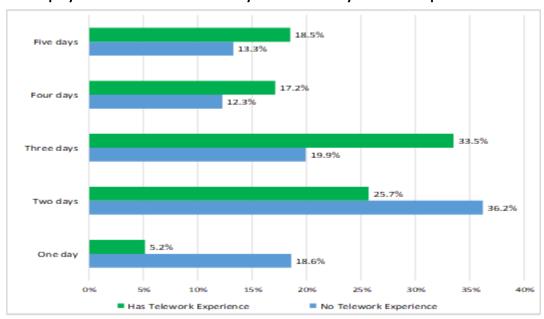


Figure 14. Employees Preferred Number of Days to Telework by Telework Experience

Source. Work Where You Live employee survey, 2021

4.2 Preferred Mode of Travel to Work in the Future

When asked about their preferred mode of travel to work in the future, City employees had clearly been influenced by their experiences during the pandemic. The overwhelming majority of respondents would opt to drive alone for a few days each week and work from home the other days. The number of days preferred varied from person to person, but non-supervisory personnel preferred fewer days of driving to work and more days spent teleworking than the supervisors.

Table 8 shows the number of employees who chose each of the modes of travel prior to the pandemic, and the number who would prefer each mode of travel in the future. Before the Pandemic employees primarily had one mode of transportation every day, 63 percent of employees chose to drive alone on their daily commute. This decreased to 43 percent in the future because somedays employees would prefer to work from home.

Table 8: Change in Mode of Travel Before the Pandemic versus Future Preferences

	Before P	andemic	Preferre	d Future	Difference		
Mode of Travel	Number	Pct	Number	Pct	Number	Pct	
Telework	29	1.8%	830	34.2%	801	98.5%	
Drive alone	1,015	63.0%	1,047	43.2%	32	3.9%	
Carpool	195	12.1%	170	7.0%	-25	-3.1%	
Ride the bus	204	12.7%	165	6.8%	-39	-4.8%	
Ride a bike	59	3.7%	72	3.0%	13	1.6%	
Walk	69	4.3%	87	3.6%	18	2.2%	
Other	41	2.5%	54	2.2%	13	1.6%	
Total	1,612	100.0%	2,425	100.0%	813	100.0%	

Sum is greater than the total sample size of 1,602 because employees were asked to list each mode of travel they used or would like to use in the future.

Among Supervisors. The preferred mode of travel to work in the future was different for supervisors than for non-supervisory personnel. Nearly three-quarters of the City's supervisors would like to drive alone to and from work at least one day per week (74.1%), while six out of ten non-supervisors would like to drive alone (60.3%). Telework was a preferred future travel mode for close to 60 percent of non-supervisors, while slightly less than 40 percent of supervisors would choose this option going forward.

Table 9: Preferred Mode of Travel to Work in the Future by Supervisory Role

	Supe	rvisor	Non-Su	pervisor	То	tal
Preferred FUTURE Travel Mode	Number of supervisors	% of supervisors			Number of responses	% of total employees
Telework	237	39.9%	593	58.8%	830	51.8%
Drove alone	440	74.1%	608	60.3%	1,048	65.4%
Carpooled	60	10.1%	109	10.8%	169	10.5%
Rode TheBus	55	9.3%	112	11.1%	167	10.4%
Rode a bicycle	24	4.0%	48	4.8%	72	4.5%
Walked	27	4.5%	60	6.0%	87	5.4%
Other	20	3.4%	35	3.5%	55	3.4%
Total Responses	863		1,565		2,428	
Total Respondents	594		1,008		1,602	

Note: The respondents were allowed to select one or more mode of travel; hence the percentage will not sum to 100% Source. Work Where You Live employee survey, 2021

4.3 Preferred Number of Days by Mode of Travel

Each participant in the present study was asked to specify the number of days per week (based on an average five-day work week) that they would choose to utilize any of the various modes of travel.

53 percent of all employees would opt to use a single mode of travel to work all five days each week (52.8%). Among these single-mode commuters, six out of ten would prefer to drive alone (59%). An additional 17.6 percent would choose to work from home each day. Less than ten percent of single-mode commuters would opt for one of the other modes of travel five days per week.

For the remaining 47 percent of City employees, their ideal commute would involve two or more modes of travel each week. The most frequently mentioned combination commute was two or three days of driving alone with two or three days of telework each week. For those employees who preferred two or more days of telework in the future, 95 percent stated that they would accept fewer than their ideal number of telework days if necessary.

Table 10: Preferred Days per Week for Method of Travel to Work in the Future

Preferred Future		Nu	mber of Da	ys		Average Days per Week	
Mode of Travel to Work	One	Two	Three	Four	Five		
Telework	54	222	267	138	149	3.1	
Drive alone	132	225	155	35	499	3.5	
Carpool	28	34	38	13	57	3.2	
Ride TheBus	29	41	15	5	74	3.3	
Ride a bike	16	20	11	8	16	2.8	
Walk to work	27	12	12	4	32	3.0	
Other	11	14	8	4	18	3.1	
Total	297	568	506	207	846	3.3	

Source. Work Where You Live employee survey, 2021

Examining employees' previous choice of travel mode to work with their preferred future mode of travel highlights the significant shift in commute choices. While nearly everyone drove to work and hardly anyone teleworked before the pandemic, employees' preference going forward is to telework a few days per week rather than drive to the office.

The Sankey chart (Figure 15) is a graphical representation of the trips made by travel mode before the pandemic and the preferred trips by travel mode in the future (Table 10). Employees' choice of travel mode before the COVID-19 pandemic is shown on the left, and their preferred mode of travel in the future is depicted on the right. A sizable portion of the employees in the drive alone, carpool, and combined other categories before the pandemic would choose to transition to telework in the future.

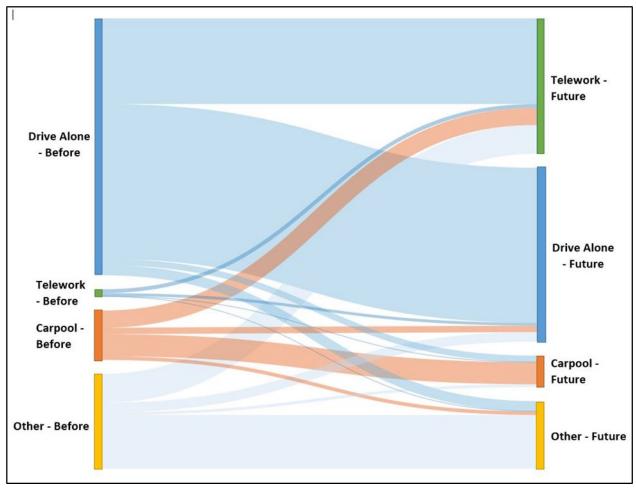


Figure 15. Sankey Chart of Prior and Future Modes of Travel to Work

Source. Work Where You Live employee survey, 2021

4.4 Drivers of Future Telework Choice

The one variable that distinguished future teleworkers from non-teleworkers was their answer to the question, "What percent of your work can be done from home?" Nearly three-quarters of City employees who want to telework reported that more than 60 percent of their job could be done from home (73.8%). Barely 35 percent of non-future telework employees felt they could do a substantial portion of their jobs from home.

The element that emerged as most strongly related to interest in <u>future</u> telework was employees' perception about their work/life balance when teleworking. Those who felt strongly that attaining a balance between their work and home life was enhanced by telework were highly likely to prefer to telework in the future.

Of the many survey items used to examine the desire to telework in the future, most exhibited no fundamental differences between those who want to work from home and those who do not. However, some showed statistical differences greater than the two times the sample error estimate for the study. Those items are summarized in Table 11.

Table 11: Characteristics that are Significantly Different between Future Teleworking and Non-Future Teleworking City Employees

	Percent of City and County Employees				
Characteristic	Future Teleworkers	Non-Future Teleworkers	Difference		
Work/life balance is better at home	72.7%	25.8%	46.9		
More than 60 percent of my job can be done from home	73.8%	35.3%	38.4		
Younger (age is between 18 and 44 years)	47.7%	22.9%	24.8		
Supervisory status	71.4%	53.7%	17.7		
Trip to work takes 30 minutes or more	60.8%	45.7%	15.1		

Source. Work Where You Live employee survey, 2021

As is the case in most survey work, intercorrelation among the items shown in Table 13 may exist and complicate the interpretation of the data. Age and years of service, for example, are highly correlated. Two aspects of the trip to work, distance and time, are correlated. The relationship can make the list of items to be considered by policymakers longer than is necessary.

Table 12 contains results for a regression where a preference for future telework was the dependent variable. The independent variables, those expected to be related to the dependent variable, were shown in Table C-7 in the Appendix.

Table 12: Regression Results

Characteristic	Relative Importance Score	Statistical Significance
More than 60 percent of my job can be done from home	0.239	0.000
Younger (age is between 18 and 44 years)	-0.117	0.000
Trip to work takes 30 minutes or more	0.054	0.033
Supervisory status	-0.104	0.000
Work/life balance is better at home	0.161	0.000

Source. Work Where You Live employee survey, 2021 Detailed analysis can be found in Appendix Table C-7.

In Table 12, the relative importance score³ tell us that, on a scale from -1 to +1, "percent of job that can be done from home" was most important in determining employees' preference for telework. That score (0.239) was measured with an error rate of 0.000.4 A negative importance score indicates a negative relationship between a characteristic and preference for telework. For example, age has a negative relationship with telework preference as shown by its importance score of -0.117. Specifically, as age increases, the likelihood of preferring telework decreases. Similarly, having the status" supervisor" decreases the likelihood that one would prefer to use telework in the future.

The variables most closely linked to City employees' preference for future telework are the five shown in Table 12. Each was highly correlated with other variables in the lists we have described earlier in this report. Age, for instance, was correlated with years of service, presence of children in the household, child and adult care, supervisory status, and several others. The main driver for all of those was age. Travel time to work was correlated with miles to work, distance from home to work, travel mode, number of stops on the way to work, household size, and others. Regression was used to sort through the interrelationships and identify the elements with the highest independent contribution to relation to telework choice.

The characteristics in Table 12 help us to understand how the interest in telework and early applications of telework developed during the COVID-19 pandemic. As such, they can also be valuable to formulating, evaluating, and adjusting telework policy and procedures in the future. Those data and other data presented earlier in this report can be used by telework planners to inform policy development of policies and procedures in the future. Without attempting to prepare policy recommendations for each of the City's 15 Departments, we have laid out the survey findings in the previous chapters of this report, and presented them in straightforward detail in the appendix.⁶

The standardized beta weight from multiple regression with future telework preference as the dependent variable and other items shown in bale C-7 as independent variables.

Significance of the t-value for this item in a t-test measuring the probability that this item is not-significantly related to preference for telework in the future.

⁵ As defined for this survey.

⁶ Evaluation of the Covid-19 telework experience at City departments was discussed in Section 3 of this report. Data on telework aspects that were better at home or better at work is shown in appendix Tables C-1, C-2, and C-3. For demographic characteristics see Table B-8, work-related characteristics see Table B-9, travel-related items Table B-11), and stops data see Tables B6a through B7b.

5 Transportation-Related Issues – Trips Saved

5.1 Trips Saved

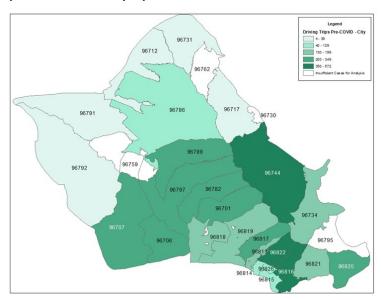
Trips saved were determined by those employees who drove alone prior to the pandemic but would choose to telework in the future. The number of days they would choose to telework in the future was subtracted from the number of days they decided to drive alone pre-COVID-19. Thus, every day an employee preferred to telework in lieu of driving alone to work was a round-trip saved. For example, if an employee chose to drive alone five days per week before the pandemic (for a total of ten one-way driving trips) but would choose to telework five days per week in the future (for a total of zero one-way driving trips), that would equal ten trips saved per week.

In the present study, if all City employees were granted their preferences concerning the number of days they would like to telework as indicated in their future mode of travel to work, 3,241 driving trips would be saved per week.

Before the COVID-19 pandemic, driving commuters were concentrated in the Kailua area and the Primary Urban Center (PUC). Trips saved by former driving commuters who would elect to work from home in the future were primarily concentrated in the Kailua, Central Oahu, and Ewa regions. The most significant decreases in driving trips from pre-COVID-19 to preferred future travel mode were observed in the Downtown Honolulu area.

Even if employees who would prefer to telework four or five days each week were limited to working from home only two or three days per week, the reduction in driving trips, commute time, and miles traveled would still be significant.





Source. Work Where You Live employee survey, 2021 and American Community Survey, 2019 5-year estimate

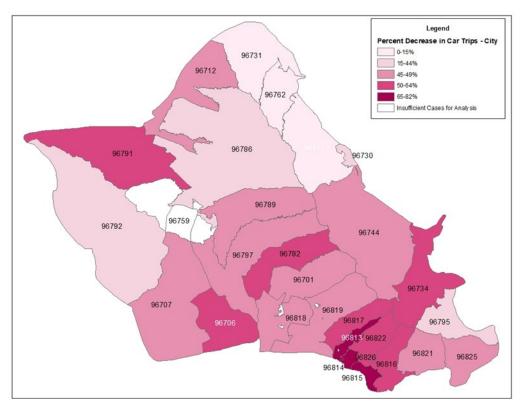


Figure 17. Percent Reduction in by Zip Code

Source. Work Where You Live employee survey, 2021 and American Community Survey, 2019 5-year estimate

5.2 Impact of Preferred Future Mode of Travel to Work

The shift in preferred travel mode from predominantly single drivers before the pandemic to a combination of telework, driving alone, and other modes of travel to work in the future has implications beyond simply the number of car trips.

Allowing employees to telework in the future has the potential to significantly impact a variety of issues. For example, driving trips that occurred before but would be reduced by telework could lessen traffic congestion during peak commute times, eliminate the need for some office and parking spaces, and contribute to employees' morale and overall job satisfaction. Figure 20 below shows the number of saved trips if a policy were developed that limited the number of days a week a person could telework. Starting at the far left the column represents giving employees the stated number of days they want to telework. The next column assumes that the policy is that employees must come into the worksite at least one day a week, therefore employees wanting five days a week would be reduced to four-days a week. As noted earlier in this report, 95 percent of employees said they would accept fewer days a week if that was the policy.

In the future, if City employees were given their preferred number of days for each of their preferred modes of travel to work, it would save 3,241 one-way driving trips per week. Across all employees, this would result in 2,218 hours (about 3 months) of commute time saved per week, about 444 hours per day and about 2 and a half weeks. Additionally, the round-trip miles saved per week would be around 40,151 per week (roughly 8,030 miles per day).

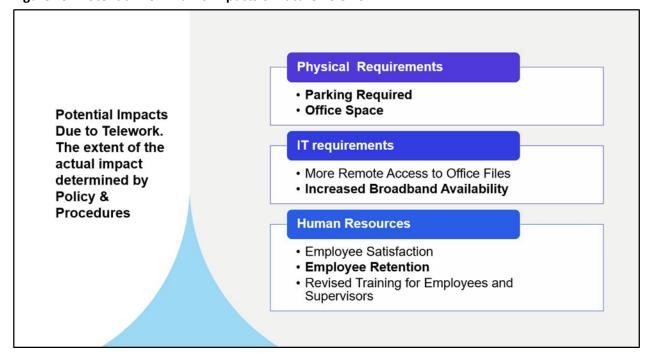
Saved One-Way Trips Per Week 3,500 3,241 3,000 2,500 2,292 2,000 1,503 1,500 1,000 554 500 52 O Allow Employees to No more than 4 No more than 3 No more than 2 No more than 1 day take their Preferred days # of Days

Figure 18. Potential Trips Saved by Number of Telework Days Allowed

6 Non-Traffic Impacts of Telework Changes

Potential non-traffic-related impacts not addressed by the current study may include increased job satisfaction, higher employee retention rates, lower employee absence rates, and the need to revise employee policies, procedures, and training manuals. In addition, issues such as the reduced need for parking and office space at City offices may also result from changes to the telework policies.

Figure 19. Potential Non-Traffic Impacts of Future Telework



7 Appendix

Appendix A – Survey Instrument and Study Methods

Survey Instrument

WWYL City Final Confidential

1.	How many years have you worked for City		1 to 5 people	O
	Government? [Check only one] *		6 to 10 people	
	. , .		11 to 19 people	
	Less than one year O		20 to 35 people	
	1 to 4 years 0		More than 35 people	
	5 to 9 years O		The second secon	
	10 to 14 years 0	7.	Between March 1, 2020 and March 31, 2021	L. did vou
	15 to 19 years 0		telework (i.e., at home) for more than a da	-
	20 to 24 years 0		with the approval of your supervisor? [Ch	-
	25 to 29 years 0		onel*	•
	30 or more years 0		•	
	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		Yes	_
2.	Are you included in a bargaining unit? [Check only		No, never	_
	one] *	Asked	only of Respondents that Answered Yes to Q7	
	Yes 0	8.	About how many days did you telework fro	om home
	No O		between March 1, 2020 and March 31, 2021	1? [Check
			only one] *	
3.	What bargaining unit do you belong to? please select			
	one response in the dropdown menu below. *		Fewer than 20 days (1 month)	O
			21 to 60 days (1+ to 3 months)	
	BU 3, HGEA, white collar, non-supervisory O		61 to 120 days (3+ to 6 months)	0
	BU 4, HGEA, white collar, supervisory		121 to180 days (6+ to 9 months)	
	BU 13, HGEA, white collar, scientific,		181 to 240 days (9+ to 12 months)	0
	professional		The whole time, 241 to 260 days	
	·		(12+ to 13 months)	O
4.	What is your Zip Code at home? *	9.	What percent of your job do you think can	ho dono
		Э.	teleworking at home? [Check only one]	be done
			teleworking at nome: [Check only one]	
			None, 0% of my job can be done working a	
			home	o
5.	What is your Zip Code at your worksite? *		1% to 20% of my job can be done at home	O
	, , , , , , , , , , , , , , , , , , , ,		21% to 40% of my job	
			41% to 60% of my job	
			61% to 80% of my job	
			81% to 100% of my job	
6.	How many people do you directly supervise? [Check	10.	BEFORE the COVID-19 pandemic, what v	Nac vous
	only one] *	10.	work schedule? [Check only one] *	was your
	None, or self only O		Desiries weak week 5 days 2 have	_
	INOTIE, OF SELL OTHY		Regular work week, 5-days, 8 hours a day	O

	Some other schedule 0		11-15 miles
11.	BEFORE the COVID-19 pandemic, how long did your		21-30 miles
	trip to work take on a typical day? [Check only one] *		Over 30 miles
		13.	BEFORE the COVID-19 pandemic, between what
	Less than 15 minutes O		times did you usually leave home to go to work?
	15-30 minutes 0		[Check only one] *
	31-45 minutes 0		
	46-60 minutes 0		3:00 am to 5:59 am
	61-90 minutes 0		6:00am to 8:59 am C
	91-120 minutes O		9:00 am to 2:59 pm
	Over two hours O		3:00 pm to 6:59 pm
			7:00 pm to 2:59 am
12.	BEFORE the COVID-19 pandemic, how many miles	14.	BEFORE the COVID-19 pandemic, between wha
	did you travel on your trip from home to work?	17.	times did you usually leave work to go home? [Check
	Please estimate if you are not sure. [Check only one]		only one] *
	*		only one
			3:00 am to 5:59 am
	Less than 1 mile O		6:00am to 8:59 am
	1-2 miles 0		9:00 am to 2:59 pm
	3-4 miles 0		3:00 pm to 6:59 pm
	5-7 miles 0		7:00 pm to 2:59 am
	8-10 miles 0		•

15. BEFORE the COVID-19 pandemic, in a typical 5-day work week, how many days per week did you use each of the following ways to commute to work? If you used more than one travel method per day, select the method you used for the longest distance.

Travel Method	0 Days	1 Day	2 Days	3 Days	4 Days	5 Days	Mean
No travel, worked from home	0	0	0	0	0	0	0
Drove alone	0	0	0	0	0	0	0
In a carpool, vanpool, or HandiVan	0	0	0	0	0	0	0
Rode TheBus	0	0	0	0	0	0	0
Rode a bicycle	0	0	0	0	0	0	0
Walked to work	0	0	0	0	0	0	0
Other	0	0	0	0	0	0	0

16. BEFORE the COVID-19 pandemic, in a typical 5-day work week how many days per week did you make any of the following stops ON YOUR WAY TO WORK? (Enter the number of days you made each stop during the work week.)

Type of Stops	0 Days	1 Day	2 Days	3 Days	4 Days	5 Days	6-7 Days	Mean
Drop-off/pick up another person	0	0	0	0	0	0	0	0
Buy goods (groceries, clothes, gas)	0	0	0	0	0	0	0	0
Buy services (dry cleaner, banking, pet care)	0	0	0	0	0	0	0	0
Buy food (coffee, breakfast, dinner)	0	0	0	0	0	0	0	0
Other errands (post office, library, etc.)	0	0	0	0	0	0	0	0
Exercise (gym, jog, etc.)	0	0	0	0	0	0	0	0
Other:	0	0	0	0	0	0	0	0

17. BEFORE the COVID-19 pandemic, in a typical 5-day work week, how many days per week did you make any of the following stops ON YOUR WAY HOME FROM WORK? (Enter the number of days you made each stop during the work week.)

Type of Stops	0 Day	1 Day	2 Days	3 Days	4 Days	5 Days	6-7 Days	Mean
Drop-off/pick up another person	0	0	0	0	0	0	0	О
Buy goods (groceries, clothes, gas)	0	0	0	0	0	0	0	0
Buy services (dry cleaner, banking, pet care)	0	0	0	0	0	0	0	0
Buy food (coffee, breakfast, dinner)	0	O	0	0	o	0	O	О
Other errands (post office, library, etc.)	0	0	0	0	0	0	0	О
Exercise (gym, jog, etc.)	0	0	0	0	0	0	0	0
Other:	0	0	0	0	0	0	0	0

Asked only of Respondents that Teleworked

18. Between March 1, 2020 and March 31, 2021, during a week that you teleworked, how many days per week did you use each of the following ways to commute? If you used more than one travel method per day, select the method you used for the longest distance.

Travel Method	0 Days	1 Day	2 Days	3 Days	4 Days	5 Days	Mean
No travel, worked from home	0	0	0	0	0	0	0
Drove alone	0	0	0	0	0	0	0
In a carpool, vanpool, or HandiVan	0	0	0	0	0	0	0
Rode TheBus	0	0	0	0	0	0	0
Rode a bicycle	0	0	0	0	0	0	0
Walked to work	0	0	0	0	0	0	0
Other	0	0	0	0	0	0	0

19. In the future, how many days per week would be your preferred methods of travel to work? If you use more than one travel method per day, select the method you will use for the longest distance.

Travel Method	0 Days	1 Day	2 Days	3 Days	4 Days	5 Days	Mean
No travel, work from home	0	0	0	0	0	0	0
Drive alone	0	0	0	0	0	0	0
In a carpool, vanpool, or HandiVan	0	0	0	0	0	0	0
Ride TheBus	0	0	0	0	0	0	0
Ride a bicycle	0	0	0	0	0	0	0
Walk to work	0	0	0	0	0	0	0
Other	0	0	0	0	0	0	0

20.	signed telework agreement with your employer. I possible that the number of days you will	t is <u>18</u>	only of Respondents with one or more child under age
	permitted to telework will be fewer than y indicated in the previous question. If you we offered fewer days, would you still want to telework would you decide to commute to the office ever day? [Check only one] *	rou 25. ere ork	During the COVID-19 pandemic, did you have additional daytime childcare responsibilities? (For example, helping with virtual learning, daycare, etc. [Check only one] *
	I would telework the fewer number of daysI would commute to my worksite everyday		Yes
	Not sure what I would choose		only of Respondents with more than one member in nousehold.
21.	Who is your internet provider at home? [Check o		iousenoia.
	one] *	26.	During the COVID-19 pandemic, did you have additional daytime care responsibilities for ar
	Hawaiian Telcom Spectrum		adult(s)? [Check only one] *
	A cellular provider		Yes C
	Other		No
	No internet service at home	. o	
			only of Respondents with more than one member in
Asked	d only of Respondents that Teleworked	their h	nousehold.
23.	computer/tablet/smartphone you work on at hor provided by your employer or your own perso computer? [Check only one] * Computer/tablet/smartphone is provided by employer	. O . O . O	usually teleworking/attending school virtually at the same time you were working? [Check only one] * None
	One	.0	How many students (under 18 years old) are/were attending school virtually at your home? [Check only
	Three Four		one] *
	Five or more	_	0
Asked	d only of Respondents with more than one member	<u>in</u>	2C
their l	household.		3 or more
24.	How many are children under 18 years old? [Choonly one] *	eck	
	None	0	
	One	_	
	Two	-	
	Three to five	.0	

Asked only of Respondents who teleworked.

29. Based on your telework experience, was each of the following better at home or at your worksite? *

	Much	Better	Home and	Better at	Much	Not
	better at home	at Home	Worksite are the same	Worksite	better at worksite	applicable
Internet speed	0	0	0	0	0	0
Ability to track work status	0	0	0	0	0	0
Computer equipment	0	0	0	0	0	0
Physical arrangement of workspace	0	0	0	0	0	0
Access to software	0	0	0	0	0	0
Access to non-computer equipment (copy machine)	0	О	0	0	0	0
Access to databases	0	0	0	0	0	0
Access to work-related files	0	0	0	0	0	0
My work schedule	0	0	0	0	0	0

Asked only of Respondents who teleworked.

30. Based on your telework experience, was each of the following better at home or at your worksite? *

	Much better at home	Better at Home	Home and Worksite are the same	Better at Worksite	Much better at worksite	Not applicable
Noise level	0	0	0	0	0	0
Access to supervisors	0	0	0	0	0	0
Social interaction with coworkers	0	0	0	0	0	0
Ability to collaborate or partner with coworkers	0	0	0	0	0	0
Ability to mentor or be mentored	0	0	0	0	0	0
Work/Life balance	0	0	0	0	0	0
Access to training	0	0	0	0	0	0
Commute time	0	0	0	0	0	0
Ability to focus with minimal interruptions	0	0	0	0	0	0
Flexible work hours	0	0	0	0	0	0
Productivity	0	0	0	0	0	0

Asked only of Respondents who did not telework.

31. Do you think each of the following would be better working at home or at your worksite? *

	Much better at home	Better at Home	Home and Worksite are the same	Better at Worksite	Much better at worksite	Not applicable
Internet speed	0	0	0	0	0	0
Ability to track work status	0	0	0	0	0	0
Computer equipment	0	0	0	0	0	0
Physical arrangement of my workspace	0	0	0	0	0	0
Access to software	0	0	0	0	0	0
Access to non-computer equipment (i.e., copy machine)	0	0	0	0	0	О
Access to databases	0	0	0	0	0	0
Access to work-related files	0	0	0	0	0	0
My work schedule	0	0	0	0	0	0

Asked only of Respondents who did not telework.

32. Do you think each of the following would be better working at home or at your worksite? *

	Much better at home	Better at Home	Home and Worksite are the same	Better at Worksite	Much better at worksite	Not applicable
Noise level	0	0	0	0	0	0
Access to supervisors	0	0	0	0	0	0
Social interaction with coworkers	0	0	0	0	0	0
Ability to collaborate or partner with coworkers	0	0	О	O	O	0
Ability to mentor or be mentored	0	0	0	0	0	0
Work/Life balance	0	0	0	0	0	0
Access to training	0	0	0	0	0	0
Commute time	0	0	0	0	0	0
Ability to focus with minimal interruptions	0	0	0	0	0	0
Flexible work hours	0	0	0	0	0	0
Productivity	0	0	0	0	0	0

Asked only of Respondents who teleworked.

33. Overall, how satisfied are you with your telework experience? [Check only one] *

Very satisfied	O
Satisfied	O
Neutral	O
Dissatisfied	O
Very Dissatisfied	O

34. Overall, how satisfied are you with your job? [Check only one] *

Very satisfied	. O
Satisfied	. O
Neutral	. 0
Dissatisfied	. 0
Very Dissatisfied	O

35. All things considered, how interested would you be in teleworking from home in the near future? [Check only one] *

	Very interested 0
	Somewhat interested 0
	NeutralO
	Somewhat uninterested 0
	Not at all interested
0.26.42	Asked only of Consomisons
<u>Q 36-43</u>	Asked only of Supervisors.
	You indicated earlier that you directly supervise other people. Please answer the following 6
	questions as a supervisor. What percent of the work
	done by the people you supervise can be done as
	telework? [Check only one] *
	0% none, all the work must be done at worksite O
	1% to 20% of the work 0
	21% to 40% of the work O
	41% to 60% of the work O
	61% to 80% of the work O
	81% to 99% of the work O
	100% All the work 0
37.	Between March 1, 2020 and March 31, 2021, about
	how many employees that you supervised did at
	least some telework? [Check only one] *
	None or colf only
	None, or self only
	1 to 5 people
	6 to 10 people
	20 to 35 people
	More than 35 people
	Wille triair 33 people
Asked o	nly of Supervisors with one or more employees that
<u>telewor</u>	<u>ked.</u>
38.	Between March 1, 2020 and March 31, 2021, about
	what percent of the time did your employees
	telework? [Check only one] *
	1% to 20% of the time
	21% to 40% of the time
	41% to 60% of the time
	61% to 80% of the time
	81% to 100% of the time
	52,5 to 200,6 of the time imministration (

Asked only of Supervisors with one or more employees that teleworked.

39. Based on your experience supervising telework employees, was each of the following better when they worked at home or better at the workplace? *

	Much better working from home	A little better working from home	About the same	A little better at the worksite	Much better at the worksite
Employee morale	0	0	0	0	0
Monitoring productivity	0	0	0	0	0
Provide guidance for staff advancement	0	0	0	0	0
Motivating staff	0	0	0	0	0
Training Staff	0	0	0	0	0
Facilitating meetings	0	0	0	0	0
Managing work schedules	0	0	0	0	0
Collaboration among staff	0	0	0	0	0
Mentoring staff	0	0	0	0	0
Staff productivity	0	0	0	0	0

Asked only of Supervisors with no employees that teleworked.

40. Do you think each of the following would be better with employees at home or at the worksite? *

	Much better working from home	A little better working from home	About the same	A little better at the worksite	Much better at the worksite
Employee morale	0	0	0	0	0
Monitoring productivity	0	0	0	0	0
Provide guidance for staff advancement	0	0	0	0	0
Motivating staff	0	0	0	0	0
Training Staff	0	0	0	0	0
Facilitating meetings	0	0	0	0	0
Managing work schedules	0	0	0	0	0
Collaboration among staff	0	0	0	0	0
Mentoring staff	0	0	0	0	0
Staff productivity	0	0	0	0	0

- 41. What methods could supervisors use to monitor the performance of their subordinates when subordinates are teleworking?
- 42. All things considered, how interested would you be in having your employees work from home (teleworking)? [Check only one] *

Very interested	O
Somewhat interested	O
Neutral	O
Somewhat uninterested	O
Not at all interested	0

43. In a typical 5-day work week, how many days per week would you prefer to ALLOW YOUR EMPLOYEES to work from home using telework? [Check only one] *

5 days, all the time	0
4 days	0
3 days	0
2 days	O
1 day ONLY	O

Demographics Answered by Everyone

44.	The next few questions are for classification purposes only What is your gender? *
	Male 0
	Female 0
	Non-binary0
	Prefer not to answer 0
45.	What is your age? *
	18 to 24 O
	25 to 34 0
	35 to 44 0
	45 to 54 0
	55 to 64 O
	65 to 69 O
	70 or older 0
	Prefer not to answer O
46.	What is your current COVID-19 vaccination status? *
	Fully vaccinated O
	Partially vaccinated O
	Planning to get vaccinated O
	Thinking about getting vaccinated O
	Will not get vaccinated O
	Prefer not to answer
47.	In 2020 what was your estimated household income? *
	Less than \$10,000
	\$10,000 to \$14,999 0
	\$15,000 to \$24,999 O
	\$25,000 to \$34,999 0
	\$35,000 to \$49,999 0
	\$50,000 to \$74,999 0
	\$75,000 to \$99,999 0
	\$100,000 to \$124,999 0
	\$125,000 to \$149,999 0
	\$150,000 to \$199,999 0
	\$200,000 or more
	Prefer not to answer 0
48.	In the space below please feel free to write any comments related to teleworking.

Thank you for taking this survey. Your response is very important.

Method

Survey Population

The population for this study was City employees who were approved for Telework. As of March 31, 2021, there were 1,602 such employees and all of them had working City email addresses. These employees with verified City email addresses became the survey population for the WWYL Survey, 2021.

The Survey Instrument

After discussion with the client and project team, an initial draft of the survey instrument was produced by the Redhill Group. They designed a survey suited to online administration and would cover the content specified in the original project description. The WWYL Steering Committee then reviewed the initial draft. Over several weeks, the Steering Committee, the staff at SMS, and Redhill Group worked diligently to perfect a survey instrument that world work for survey recipients and supply the information needs of all parties. The survey was then pre-tested by SMS, and minor changes were made before a final draft was produced and approved. A copy of the City WWYL Survey for 2021 is attached as Appendix A.

Data Collection and Quality Control

Once the email lists were prepared and the survey instrument was approved, the project was ready for distribution. On June 2, 2021, emails with a link to the survey were sent out. The response was quick and data collection was terminated on June 10, 2021.

Overall, 1,080 surveys were completed for a 67 percent response rate. The sample error estimate, an indicator of precision and reliability, was calculated as plus-or-minus 1.7 percentage points at the 95 percent confidence level. Survey results were expanded to represent the 1,602 City employees.

The expanded population of 1,602 included 594 supervisors and 1,008 non-supervisory employees. Respondents included 1,267 people with telework experience during the pandemic and 335 persons who did not telework during the pandemic. The respondent group was distributed by age, gender, years of service to the City, and bargaining unit in a comparable manner as the survey population. That relationship was made perfect by the weighting procedure. Thus, overall, the survey results are representative of the target group (City employees with working email addresses located in the City and County of Honolulu).

Appendix B: Data Tabulations

Table B-1: Telework Experience by Department

	Telework Experience						
	Has Te	lework	No Tel	ework			
	Expe	Experience		rience	Total		
Department	Count	Row Pct	Count	Pct	Count	Pct	
Budget and Fiscal	234	84.5%	43	15.5%	277	100.0%	
Community Services	60	72.3%	23	27.7%	83	100.0%	
Corporation Counsel	103	88.8%	13	11.2%	116	100.0%	
Combined Departments A	79	68.1%	37	31.9%	116	100.0%	
Design and Construction	111	78.2%	31	21.8%	142	100.0%	
Environmental Services	7	15.9%	37	84.1%	44	100.0%	
HART	62	74.7%	21	25.3%	83	100.0%	
Human Resources	80	96.4%	3	3.6%	83	100.0%	
Information Technology	117	87.3%	17	12.7%	134	100.0%	
Mayor's Office ^B	58	71.6%	23	28.4%	81	100.0%	
Transportation Services	81	93.1%	6	6.9%	87	100.0%	
Parks and Recreation	24	52.2%	22	47.8%	46	100.0%	
Planning and Permitting	157	79.3%	41	20.7%	198	100.0%	
Public Safety ^C	34	75.6%	11	24.4%	45	100.0%	
Prosecuting Attorney	59	88.1%	8	11.9%	67	100.0%	
Total	1,267	100.0%	335	100.0%	1,602	100.0%	

^A Combined Departments includes Customer Services, Land Management, Enterprise Services, Facility Maintenance, and Royal Hawaiian Band

^B Mayor's Office includes Mayor's Office, Mayor's Office of Culture and the Arts, Neighborhood Commission Office, Office of Climate Change, Sustainability, and Resiliency, and Office of Housing

^C Public Safety includes Emergency Management, Honolulu Emergency Services Department, and Honolulu Police Department

Table B-2. Household Characteristics of City Employees by Telework Experience

				Telework I	Experience		
			lework rience		ework rience	То	tal
		Count	Pct	Count	Pct	Count	Pct
Household Size							
	One	145	11.5%	57	17.1%	203	12.7%
	Two	403	31.8%	97	29.0%	500	31.2%
	Three	280	22.1%	54	16.2%	334	20.9%
	Four	233	18.4%	77	23.0%	310	19.4%
	Five or more	206	16.2%	49	14.7%	255	15.9%
	Total	1267	100.0%	335	100.0%	1602	100.0%
	Median	3.8 pe	ersons	3.8 pe	ersons	3.8 pe	ersons
Number of Children i	in Household						
	None	725	64.7%	191	68.8%	917	65.5%
	One	192	17.1%	44	15.9%	236	16.9%
	Two	147	13.1%	33	11.8%	179	12.8%
	Three to five	55	4.9%	10	3.5%	65	4.6%
	Six or more	3	.2%	0	0.0%	3	.2%
	Total	1121	100.0%	278	100.0%	1399	100.0%
During the COVID-19	pandemic, did you have	additiona	daytime c	hildcare re	sponsibilit	ies?	
	Yes	202	51.0%	38	44.0%	240	49.7%
	No	194	49.0%	48	56.0%	243	50.3%
	Total	396	100.0%	87	100.0%	483	100.0%
During the COVID-19	pandemic, did you have	additiona	daytime c	are respoi	nsibilities f	or an adult	(s)?
	Yes	160	14.3%	36	13.0%	197	14.0%
	No	961	85.7%	242	87.0%	1203	86.0%
	Total	1121	100.0%	278	100.0%	1399	100.0%
How many adults we	ere usually teleworking/a	ttending s	chool virtu	ally at the	same time	you were	working?
	None	496	44.2%			496	44.2%
	One	423	37.7%			423	37.7%
	Two	136	12.1%			136	12.1%
	Three	53	4.7%			53	4.7%
	Four	8	.7%			8	.7%
	Five or more	6	.5%			6	.5%
	Total	1121	100.0%			1121	100.0%
How many students	(under 18 years old) we	re attendir	ng school v	irtually at y	our home	*	
	None	486	69.5%			486	69.5%
	One	112	16.0%			112	16.0%
	Two	74	10.6%			74	10.6%
	Three or more	27	3.8%			27	3.8%
	THIS STATE	21	0.070				0.070

Table B-3: Demographic Characteristics of City Employees by Telework Experience

			Tel	ework E	xperience		
		Has Te	lework	No Tel	ework		
		Exper	rience	Expe	rience	To	otal
		Count	Pct	Count	Pct	Count	Pct
Gend	ler						
	Male	620	49.0%	186	55.5%	807	50.3%
	Female	617	48.7%	145	43.3%	762	47.6%
	Non-binary	3	.3%	1	.2%	4	.2%
	Prefer not to answer	26	2.1%	3	1.0%	30	1.9%
	Total	1267	100.0%	335	100.0%	1602	100.0%
Age							
	18 to 24	22	1.8%	9	2.8%	32	2.0%
	25 to 34	237	18.7%	19	5.8%	257	16.0%
	35 to 44	242	19.1%	42	12.5%	284	17.7%
	45 to 54	188	14.8%	53	15.8%	241	15.1%
	55 to 64	471	37.2%	157	46.9%	628	39.2%
	65 to 69	56	4.4%	31	9.3%	87	5.4%
	70 or older	28	2.2%	12	3.6%	39	2.5%
	Median	53.1	years	60.2	years	53.7	years
	Prefer not to answer	23	1.8%	11	3.3%	34	2.1%
	Total	1267	100.0%	335	100.0%	1602	100.0%
Vaco	ination Status						
	Fullyvaccinated	1,141	90.1%	305	91.1%	1,446	90.3%
	Partiallyvaccinated	15	1.2%	1	.2%	15	1.0%
	Planning to get vaccinated	8	.6%	2	.5%	10	.6%
	Thinking about getting vaccinated	22	1.7%	8	2.5%	30	1.9%
	Will not get vaccinated	16	1.3%	2	.5%	18	1.1%
	Prefer not to answer	65	5.1%	18	5.3%	82	5.1%
	Total	1267	100.0%	335	100.0%	1602	100.0%
Hous	ehold Income						
	Less than \$10,000	4	.3%	0	0.0%	4	.2%
	\$10,000 to \$14,999	4	.3%	0	0.0%	4	.2%
	\$15,000 to \$24,999	5	.4%	2	.6%	7	.5%
	\$25,000 to \$34,999	28	2.2%	15	4.5%	43	2.7%
	\$35,000 to \$49,999	71	5.6%	16	4.8%	87	5.4%
	\$50,000 to \$74,999	243	19.2%	57	16.9%	300	18.7%
	\$75,000 to \$99,999	196	15.5%	47	14.0%	243	15.1%
	\$100,000 to \$124,999	194	15.3%	38	11.3%	232	14.5%
	\$125,000 to \$149,999	115	9.1%	29	8.6%	144	9.0%
	\$150,000 to \$199,999	144	11.4%	31	9.3%	175	10.9%
	\$200,000 or m ore	78	6.2%	39	11.6%	117	7.3%
	Median	\$99	,582	\$99,956		\$99,656	
	Prefer not to answer	185	14.6%	62	18.4%	247	15.4%
	Total	1267	100.0%	335	100.0%	1602	100.0%

Table B-4: Work-Related Characteristics of City Employees by Telework Experience

			1	Telework E	Experience	9	
		Has Te	lework		ework		
		Exper	ience	Exper	ience	To	tal
		Count	Pct	Count	Pct	Count	Pct
	Less than one year	90	7.1%	73	21.8%	163	10.2%
	1 to 4 years	443	35.0%	70	20.7%	513	32.0%
	5 to 9 years	228	18.0%	45	13.3%	272	17.0%
How many years	10 to 14 years	149	11.8%	38	11.3%	187	11.7%
have you worked for	15 to 19 years	124	9.8%	19	5.5%	143	8.9%
City Government?	20 to 24 years	36	2.8%	24	7.3%	60	3.8%
	25 to 29 years	78	6.2%	21	6.2%	99	6.2%
	30 or more years	118	9.3%	46	13.8%	164	10.2%
	Total	1267	100.0%	335	100.0%	1602	100.0%
A	Yes	877	69.2%	195	58.1%	1072	66.9%
Are you included in a bargaining unit?	No	390	30.8%	140	41.9%	530	33.1%
barganning anne	Total	1267	100.0%	335	100.0%	1602	100.0%
	None, 0% of myjob can be done working at home	8	.7%	54	16.0%	62	3.9%
What percent of your	1% to 20% of my job can be done at home	111	8.7%	96	28.7%	207	12.9%
job do you think can	21% to 40% of myjob	111	8.8%	44	13.2%	155	9.7%
be done teleworking at home?	41% to 60% of myjob	225	17.8%	67	20.1%	293	18.3%
at nome?	61% to 80% of myjob	346	27.3%	44	13.1%	390	24.4%
	81% to 100% of myjob	465	36.7%	30	8.8%	495	30.9%
	Total	1267	100.0%	335	100.0%	1602	100.0%
	Hawaiian Telcom	335	26.4%	70	20.8%	405	25.3%
	Spectrum	896	70.7%	247	73.7%	1143	71.4%
Who is your internet	A cellular provider	11	.9%	3	1.0%	15	.9%
provider at home?	Other	16	1.3%	0	0.0%	16	1.0%
	No internet service at home	8	.6%	15	4.6%	23	1.4%
	Total	1267	100.0%	335	100.0%	1602	100.0%
When teleworking, is/was the	Computer/tablet/smartphone is provided by employer	456	36.0%	0	0.0%	456	36.0%
computer/tablet/ smartphone you work on at home provided by your	My personal or familys computer/tablet/smartphone	797	62.9%	0	0.0%	797	62.9%
	No computer/tablet/smartphone at home	14	1.1%	0	0.0%	14	1.1%
own personal computer?	Total	1267	100.0%	0	0.0%	1267	100.0%

WWYL City Report – September 24, 2021 0.50

Table B-5: Travel Characteristics of City Employees BEFORE the Pandemic by Telework Experience

			7	elework I	Experienc	е	
			lework		ework		
			ience	•	rience		tal
BEFORE the pandemic		Count	Pct	Count	Pct	Count	Pct
What was your work schedule?							
Regular work week, 5-days, 8 ho	ours a day	1,202	94.9%	316	94.4%	1,519	94.8%
Some other schedule		65	5.1%	19	5.6%	83	5.2%
How long did your trip to work take o	n a typical	day?					
Less than 15 minutes		143	11.3%	59	17.5%	202	12.6%
15-30 minutes		423	33.4%	120	35.8%	543	33.9%
31-45 minutes		321	25.4%	90	26.9%	412	25.7%
46-60 minutes		236	18.7%	43	13.0%	280	17.5%
61-90 minutes		105	8.3%	14	4.3%	119	7.5%
91-120 minutes		25	1.9%	6	1.7%	30	1.9%
Over two hours		14	1.1%	3	.8%	16	1.0%
	Median	41 mi	nutes	28 mi	nutes	41 m	inutes
How many miles did you travel on yo	ur trip from	home to	work?				
Less than 1 mile		52	4.1%	9	2.7%	61	3.8%
1-2 miles		125	9.9%	47	14.1%	173	10.8%
3-4 miles		152	12.0%	32	9.5%	184	11.5%
5-7 miles		188	14.8%	54	16.1%	242	15.1%
8-10 miles		152	12.0%	25	7.4%	177	11.0%
11-15 miles		247	19.5%	74	22.0%	321	20.0%
16-20 miles		147	11.6%	43	12.7%	190	11.9%
21-30 miles		154	12.2%	42	12.6%	197	12.3%
Over 30 miles		48	3.8%	10	2.9%	58	3.6%
	Median	9.9 r	niles	13.8	miles	9.9 r	niles
Between what times did you usually	leave home	to go to v	work?				
3:00 am to 5:59 am		254	20.0%	65	19.3%	318	19.9%
6:00am to 8:59 am		995	78.5%	261	78.0%	1256	78.4%
9:00 am to 2:59 pm		10	.8%	0	0.0%	10	.6%
3:00 pm to 6:59 pm		7	.6%	7	2.0%	14	.9%
7:00 pm to 2:59 am		1	.1%	2	.7%	3	.2%
Between what times did you usually	leave work	to go hon					
3:00 am to 5:59 am		95	7.5%	22	6.7%	118	7.3%
6:00am to 8:59 am		50	3.9%	24	7.2%	74	4.6%
9:00 am to 2:59 pm		26	2.0%	2	.5%	27	1.7%
3:00 pm to 6:59 pm		1075	84.8%	271	80.7%	1345	84.0%
7:00 pm to 2:59 am		21	1.7%	17	5.0%	38	2.4%

Table B-6a. Stops Made on the Way to Work by Telework Experience

			Telework E	Experience	•		
Stops Made on th	ne Way TO		lework ience		ework ience	Т	otal
Work	Ū	Count	Pct	Count	Pct	Count	Pct
	0	643	50.7%	194	57.9%	837	52.3%
	1	379	30.0%	86	25.7%	466	29.1%
	2	120	9.5%	35	10.4%	155	9.7%
Number of Stops	3	68	5.4%	7	2.2%	75	4.7%
per Week on a Usual Trip to Work.	4	32	2.6%	8	2.3%	40	2.5%
	5	12	1.0%	5	1.5%	17	1.1%
	6	9	.7%	0	0.0%	9	.6%
	7	2	.1%	0	0.0%	2	.1%
	Total	1,267	100.0%	335	100.0%	1,602	100.0%
	0	240	51.3%	37	54.4%	276	51.7%
	1	14	3.0%	0	0.0%	14	2.7%
	2	19	4.2%	5	6.8%	24	4.5%
Drop-off/pick up	3	14	2.9%	7	10.2%	21	3.9%
another person	4	9	1.9%	0	0.0%	9	1.6%
	5	172	36.7%	19	28.6%	191	35.7%
	6	0	0.0%	0	0.0%	0	0.0%
	Total	467	100.0%	68	100.0%	535	100.0%
	0	220	45.7%	34	34.7%	255	43.9%
	1	158	32.7%	43	43.7%	201	34.6%
	2	64	13.2%	14	14.4%	78	13.4%
Buygoods (grocery, clothes,	3	25	5.2%	6	6.3%	31	5.4%
gas)	4	7	1.4%	1	.8%	8	1.3%
97	5	8	1.7%	0	0.0%	8	1.4%
	6	0	0.0%	0	0.0%	0	0.0%
	Total	482	100.0%	99	100.0%	581	100.0%
	0	257	83.6%	36	72.3%	293	82.0%
	1	40	13.2%	10	19.5%	50	14.0%
Buyservices (dry	2	2	.6%	2	3.9%	4	1.0%
cleaner, banking,	3	5	1.7%	0	0.0%	5	1.4%
pet care)	5	3	1.0%	2	4.3%	5	1.5%
	6	0	0.0%	0	0.0%	0	0.0%
	Total	308	100.0%	50	100.0%	357	100.0%

Table B-6b. Stops Made on the Way to Work by Telework Experience

		1	Telew ork E	Experience)		
Stops Made on th	ne Wav TO	Exper	ience	Exper	ience	Т.	otal
Work	j	Count	Pct	Count	Pct	Count	Pct
	0	188	35.4%	30	28.4%	219	34.2%
	1	127	24.0%	23	21.4%	150	23.5%
	2	75	14.2%	29	27.3%	104	16.3%
	3	66	12.4%	9	8.5%	75	11.7%
,	4	8	1.6%	5	5.1%	14	2.2%
	5	67	12.5%	10	9.2%	76	12.0%
	6	0	0.0%	0	0.0%	0	0.0%
	Total	532	100.0%	107	100.0%	639	100.0%
	0	249	68.6%	35	55.5%	284	66.6%
	1	82	22.7%	20	31.5%	102	24.0%
	2	20	5.5%	6	9.9%	26	6.2%
	3	8	2.3%	2	3.1%	10	2.4%
	4	1	.2%	0	0.0%	1	.2%
,	5	3	.8%	0	0.0%	3	.7%
	6	0	0.0%	0	0.0%	0	0.0%
	Total	364	100.0%	63	100.0%	427	100.0%
	0	255	81.1%	34	82.5%	290	81.2%
	1	18	5.6%	4	10.3%	22	6.2%
	2	11	3.6%	0	0.0%	11	3.2%
Exercise (gym,	3	21	6.6%	0	0.0%	21	5.9%
jog, etc)	4	2	.7%	1	1.9%	3	.8%
	5	7	2.4%	2	5.4%	10	2.7%
	6	0	0.0%	0	0.0%	0	0.0%
	Total	315	100.0%	41	100.0%	356	100.0%
	0	248	90.1%	36	73.3%	284	87.6%
	1	13	4.9%	6	12.3%	19	6.0%
	2	5	1.8%	3	5.4%	8	2.4%
Other	3	3	1.2%	1	2.0%	4	1.3%
Outer	4	1	.2%	0	0.0%	1	.2%
	5	5	1.8%	3	6.9%	8	2.6%
	6	0	0.0%	0	0.0%	0	0.0%
	Total	276	100.0%	49	100.0%	325	100.0%

Asked of all employees. Reported for all weekly trips and all types of stops.

Table B-7a. Stops Made on the Way Home from Work by Telework Experience

		Telework Experience					
Stops Made or	n the Wav	Has Te Exper	lework ience		ework rience	т.	otal
Home FROM W	-	Count	Pct	Count	Pct	Count	Pct
Number of	0	325	25.7%	120	35.9%	446	27.8%
Stops per Week on a	1	326	25.7%	80	23.8%	406	25.3%
Usual Trip to	2	250	19.7%	51	15.3%	301	18.8%
Home.	3	202	15.9%	54	16.2%	256	16.0%
	4	95	7.5%	20	6.0%	115	7.2%
	5	44	3.5%	7	2.0%	51	3.2%
	6	19	1.5%	3	.9%	22	1.4%
	7	5	.4%	0	0.0%	5	.3%
	Total	1,267	100.0%	335	100.0%	1,602	100.0%
Drop-off/pick	0	234	49.9%	46	61.3%	280	51.4%
up another person	1	36	7.6%	3	3.4%	38	7.0%
	2	21	4.5%	5	7.2%	26	4.8%
	3	22	4.6%	5	6.7%	27	4.9%
	4	15	3.2%	0	0.0%	15	2.8%
	5	142	30.3%	16	21.5%	158	29.1%
	Total	470	100.0%	75	100.0%	545	100.0%
Buygoods	0	106	12.7%	24	12.7%	129	12.7%
(groceries,	1	340	40.7%	76	40.9%	415	40.7%
clothes, gas)	2	255	30.5%	55	29.5%	310	30.3%
	3	96	11.5%	25	13.4%	121	11.8%
	4	13	1.6%	4	2.2%	18	1.7%
	5	26	3.1%	2	1.2%	28	2.7%
	Total	835	100.0%	185	100.0%	1,020	100.0%
Buyservices	0	210	56.9%	45	55.5%	255	56.6%
(dry cleaner,	1	121	32.8%	24	30.0%	146	32.3%
banking, pet care)	2	23	6.3%	6	7.6%	29	6.5%
53.0/	3	6	1.6%	4	4.4%	9	2.1%
	4	3	.7%	0	0.0%	3	.6%
	5	7	1.8%	2	2.6%	9	2.0%
	Total	370	100.0%	81	100.0%	451	100.0%

WWYL City Report – September 24, 2021 0.50

Table B-7b. Stops Made on the Way Home from Work by Telework Experience

			Telework E	xperience			
Stops Made on	the Way	Exper	ience	Expe	ience	Т.	otal
Home FROM W	•	Count	Pct	Count	Pct	Count	Pct
Buy food	0	128	20.1%	27	17.7%	155	19.7%
(coffee,	1	183	28.8%	52	34.3%	235	29.9%
breakfast, dinner)	2	164	25.7%	34	22.3%	197	25.1%
	3	110	17.2%	26	17.5%	136	17.3%
	4	12	1.8%	5	3.0%	16	2.0%
	5	40	6.3%	8	5.2%	48	6.1%
	Total	636	100.0%	151	100.0%	787	100.0%
Other errands	0	185	36.5%	38	33.6%	222	36.0%
(post office,	1	225	44.6%	53	47.5%	279	45.1%
library, etc)	2	53	10.4%	14	12.5%	67	10.8%
	3	27	5.4%	5	4.6%	32	5.2%
	4	5	1.0%	0	0.0%	5	.8%
	5	11	2.1%	2	1.7%	13	2.0%
	Total	505	100.0%	113	100.0%	618	100.0%
Exercise (gym,	0	222	57.1%	44	61.7%	266	57.8%
jog, etc)	1	38	9.8%	9	12.9%	47	10.3%
	2	47	12.1%	6	8.3%	53	11.5%
	3	36	9.2%	3	4.1%	39	8.4%
	4	16	4.1%	1	1.0%	16	3.6%
	5	30	7.7%	9	12.0%	38	8.4%
	Total	388	100.0%	71	100.0%	459	100.0%
Other	0	224	76.9%	40	63.1%	264	74.4%
	1	23	7.8%	11	17.9%	34	9.7%
	2	18	6.2%	3	3.9%	21	5.8%
	3	11	3.7%	5	8.5%	16	4.6%
	4	2	.8%	0	0.0%	2	.6%
	5	13	4.5%	4	6.6%	17	4.9%
	Total	291	100.0%	64	100.0%	355	100.0%

Asked of all employees. Reported for all weekly trips and all types of stops.

Table B-8. Demographic Characteristics for Future Teleworkers and Non-Teleworkers

			PREFER TE			RE OR NOT		
			ework in the		OT prefer	Total		
D 1: 01 1 :	· e	Count	ure Pd	Count	the future Pct	Count	rai Pct	
Demographic Characteri								
	Male	379	45.7%	428	55.4%	807	50.3%	
0	Female	429	51.7%	333	43.1%	762	47.6%	
Gender	Non-binary	2	.3%	2	.2%	4	.2%	
	Prefer not to answer	19	2.3%	10	1.3%	30	1.9%	
	Total	830	100.0%	772	100.0%	1602	100.0%	
	18 to 24	16	1.9%	16	2.1%	32	2.0%	
	25 to 34	181	21.8%	76	9.9%	257	16.0%	
	35 to 44	199	24.0%	85	11.0%	284	17.7%	
A	45 to 54	128	15.5%	113	14.6%	241	15.1%	
Age	55 to 64	253	30.5%	375	48.5%	628	39.2%	
	65 to 69	25	3.0%	62	8.1%	87	5.4%	
	70 or older	12	1.4%	28	3.6%	39	2.5%	
	Prefer not to answer	16	1.9%	18	2.3%	34	2.1%	
	Total	830	100.0%	772	100.0%	1602	100.0%	
	One	72	8.6%	131	17.0%	203	12.7%	
Household Size	Two	264	31.9%	235	30.5%	500	31.2%	
	Three	197	23.7%	138	17.8%	334	20.9%	
	Four	176	21.2%	135	17.4%	310	19.4%	
	Five or more	121	14.6%	134	17.3%	255	15.9%	
	Total	830	100.0%	772	100.0%	1602	100.0%	
	None	486	64.1%	430	67.1%	917	65.5%	
	One	131	17.3%	105	16.4%	236	16.9%	
Children in Household	Two	104	13.7%	76	11.8%	179	12.8%	
	Three to five	37	4.9%	28	4.3%	65	4.6%	
	Six or more	0	0.0%	3	.4%	3	.2%	
D : # 00MD 40	Total	758	100.0%	641	100.0%	1399	100.0%	
During the COMD-19 pandemic, did you have	Yes	145	53.4%	95	44.9%	240	49.7%	
additional daytime	No	127	46.6%	116	55.1%	243	50.3%	
childcare responsibilities?	Total	272	100.0%	211	100.0%	483	100.0%	
•	None	321	46.9%	175	40.0%	496	44.2%	
Not counting yourself, how many adults (18+)	One	251	36.6%	172	39.3%	423	37.7%	
were usually	Two	71	10.3%	66	15.0%	136	12.1%	
teleworking/attending	Three	30	4.4%	23	5.2%	53	4.7%	
school virtually at the	Four	7	1.0%	1	.3%	8	.7%	
same time you were working?	Five or more	5	.7%	1	.1%	6	.5%	
working?	Total	685	100.0%	436	100.0%	1121	100.0%	
During the COVID-19	Yes	145	53.4%	95	44.9%	240	49.7%	
pandemic, did you have additional daytime childcare	No	127	46.6%	116	55.1%	243	50.3%	
responsibilities?	Total	272	100.0%	211	100.0%	483	100.0%	
How many students	0	313	72.1%	172	65.1%	486	69.5%	
(under 18 years old)	1	56	12.8%	57	21.4%	112	16.0%	
are/were attending	2	48	11.0%	27	10.0%	74	10.6%	
school virtually at your	3 or more	18	4.1%	9	3.5%	27	3.8%	
home?	Total	434	100.0%	265	100.0%	699	100.0%	

WWYL City Report – September 24, 2021 0.50

Table B-9. Work-Related Characteristics for Future Teleworkers and Non-Teleworkers

			PREFER TEL		K IN THE FUT	URE OR	NOT
		Drofo	rs telework in		NOT prefer work in the		
		l	s telework in ne future	tere	future		Total
Work-Related Characteristics	3	Count	Pct	Count	Pct	Count	Pct
	Supervisor	237	28.6%	357	46.3%	594	37.1%
Supervisory Status	Non-Supervisor	593	71.4%	415	53.7%	1008	62.9%
	Total	830	100.0%	772	100.0%	1602	100.0%
	Yes	564	67.9%	508	65.8%	1072	66.9%
Are you included in a	No	266	32.1%	264	34.2%	530	33.1%
bargaining unit?	Total	830	100.0%	772	100.0%	1602	100.0%
	Hawaiian Telcom	223	26.9%	181	23.5%	405	25.3%
	Spectrum	593	71.5%	550	71.3%	1143	71.4%
Who is your internet provider	A cellular provider	8	1.0%	7	.9%	15	.9%
at home?	Other	4	.5%	12	1.5%	16	1.0%
	No internet service at home	1	.1%	22	2.9%	23	1.4%
	Total	830	100.0%	772	100.0%	1602	100.0%
When teleworking, is/was the computer/tablet/smartphone you work on at home provided by your employer or your own personal computer?	Computer/tablet/ smartphone is provided by employer	257	34.4%	199	38.4%	456	36.0%
	Mypersonal or family's computer/tablet/smartphone	488	65.2%	309	59.6%	797	62.9%
	No computer/tablet/smartphone at home	3	.4%	11	2.1%	14	1.1%
	Total	747	100.0%	519	100.0%	1267	100.0%
BEFORE the COVID-19	Regular work week, 5-days, 8 hours a day	784	94.5%	734	95.1%	1519	94.8%
pandemic, what was your work schedule?	Som e other schedule	46	5.5%	38	4.9%	83	5.2%
work scriedule?	Total	830	100.0%	772	100.0%	1602	100.0%
	Less than one year	92	11.1%	71	9.2%	163	10.2%
	1 to 4 years	291	35.0%	222	28.8%	513	32.0%
	5 to 9 years	148	17.9%	124	16.1%	272	17.0%
How many years have you	10 to 14 years	87	10.5%	100	13.0%	187	11.7%
worked for City	15 to 19 years	81	9.7%	62	8.0%	143	8.9%
Government?	20 to 24 years	25	3.1%	35	4.5%	60	3.8%
	25 to 29 years	49	5.9%	50	6.5%	99	6.2%
	30 or more years	56	6.8%	108	14.0%	164	10.2%
	Total	830	100.0%	772	100.0%	1602	100.0%
	None, 0% of myjob can be done working at home	1	.1%	61	7.9%	62	3.9%
NA (14	1% to 20% of myjob can be done at home	29	3.5%	178	23.1%	207	12.9%
What percent of your job do you think can be done	21% to 40% of myjob	49	5.9%	107	13.8%	155	9.7%
teleworking at home?	41% to 60% of myjob	139	16.8%	154	19.9%	293	18.3%
-	61% to 80% of myjob	247	29.7%	144	18.6%	390	24.4%
	81% to 100% of myjob	365	44.1%	129	16.7%	495	30.9%
	Total	830	100.0%	772	100.0%	1602	100.0%

Table B-10. Supervisors' Interest in Future Telework by Telework Experience

		Telework Experience						
				No Tel Exper	ework ience	Total		
		Count	Pct	Count	Pct	Count	Pct	
	Very interested	202	48.0%	24	13.7%	225	37.9%	
How interested would you	Som ewhat interested	88	20.9%	38	21.6%	126	21.1%	
be in having your	Neutral	60	14.3%	37	21.2%	97	16.3%	
employees telework	Som ewhat disinterested	27	6.5%	18	10.0%	45	7.5%	
(work from home)?	Not at all interested	43	10.3%	59	33.5%	102	17.1%	
	Total	420	100.0%	175	100.0%	594	100.0%	
How many days per week would you prefer to ALLOW YOUR	5 days, all the time	40	13.9%	5	8.7%	46	13.0%	
	4 days	48	16.7%	2	2.6%	50	14.2%	
	3 days	81	27.8%	28	45.2%	108	30.9%	
	2 days	94	32.6%	21	33.5%	115	32.7%	
EMPLOYEES to telework	1 dayONLY	26	9.0%	6	10.0%	32	9.2%	
(work from home)?*	Mean Days	2.9	days	2.7	da ys	2.9 days		
	Total	289	100.0%	62	100.0%	351	100.0%	
	zero days a week	215	51.2%	143	81.6%	357	60.1%	
	one day a week	20	4.8%	8	4.8%	29	4.8%	
	two days a week	66	15.8%	8	4.7%	75	12.6%	
Future Telework Days	three days a week	62	14.7%	7	4.2%	69	11.6%	
Preferred	four days a week	28	6.7%	2	1.4%	30	5.1%	
	five days a week	29	6.8%	6	3.3%	34	5.8%	
	Mean Days	1.4	days	0.5	da ys	1.1 da <i>y</i> s		
	Total	420	100.0%	175	100.0%	594	100.0%	

^{*} only asked of supervisors who were very interested or somewhat interested in having their employees telework in the future

WWYL City Report – September 24, 2021 0.50

Table B-11. City Department for Future Teleworkers and Non-Teleworkers

	PREFER TELEWORK IN THE F				JTURE OR NOT			
			Does No	OT prefer				
		telework		k in the				
		future	74.7	ure		otal		
City Department	Count	Row %	Count	Row %	Count	Row %		
Department of Budget and Fiscal Services	127	54.2%	107	45.8%	234	100.0%		
Department of Planning and Permitting	104	66.3%	53	33.7%	157	100.0%		
Department of Information Technology	77	66.3%	39	33.7%	117	100.0%		
Department of Design and Construction	54	48.5%	57	51.5%	111	100.0%		
Office of Corporate Counsel	64	61.9%	39	38.1%	103	100.0%		
Department of Transportation Services	60	73.2%	22	26.8%	81	100.0%		
Department of Human Resources	55	69.1%	25	30.9%	80	100.0%		
Combined Departments	40	50.5%	39	49.5%	79	100.0%		
HART	28	45.8%	34	54.2%	62	100.0%		
Department of Community Services	30	50.4%	30	49.6%	60	100.0%		
Prosecuting Attorney	27	46.7%	31	53.3%	59	100.0%		
Mayor's Office	40	69.6%	18	30.4%	58	100.0%		
Public Safety Departments	26	76.2%	8	23.8%	34	100.0%		
Department of Parks and Recreation	9	37.8%	15	62.2%	24	100.0%		
Department of Environmental Services	5	72.1%	2	27.9%	7	100.0%		

Asked of all employees.

Table B-12. Characteristics of Trips to and from Work for Future Teleworkers and Non-Teleworkers

		PR	EFER TELE	EWORK IN THE FUTURE OR NOT					
		Prefers tele		Does NO telework in Count	OT prefer the future Pct	Total Count Pct			
	l th 45 it								
	Less than 15 minutes	69	8.3%	133	17.2%	202	12.6%		
	15-30 m inutes	256	30.9%	287	37.1%	543	33.9%		
BEFORE the COVID-19	31-45 minutes	228	27.5%	184	23.8%	412	25.7%		
pandemic, how long did your trip	46-60 minutes	171	20.6%	109	14.1%	280	17.5%		
to work take on a typical day?	61-90 minutes	76	9.1%	44	5.6%	119	7.5%		
	91-120 m inutes	23	2.7%	7	1.0%	30	1.9%		
	Over two hours	7	.8%	9	1.2%	16	1.0%		
	Total	830	100.0%	772	100.0%	1,602	100.0%		
	Less than 1 mile	28	3.3%	33	4.3%	61	3.8%		
	1-2 miles	70	8.4%	103	13.3%	173	10.8%		
	3-4 miles	97	11.6%	88	11.4%	184	11.5%		
BEFORE the COVID-19	5-7 miles	139	16.8%	103	13.3%	242	15.1%		
pandemic, how many miles did	8-10 miles	85	10.2%	92	11.9%	177	11.0%		
you travel on your trip from home	11-15 miles	169	20.3%	152	19.7%	321	20.0%		
to work?	16-20 miles	95	11.4%	95	12.3%	190	11.9%		
	21-30 miles	118	14.3%	78	10.1%	197	12.3%		
	Over 30 miles	30	3.6%	28	3.6%	58	3.6%		
	Total	830	100.0%	772	100.0%	1,602	100.0%		
	3:00 am to 5:59 am	52	6.2%	66	8.6%	118	7.3%		
BEFORE the COVID-19	6:00am to 8:59 am	33	3.9%	41	5.3%	74	4.6%		
pandemic, between what times	9:00 am to 2:59 pm	14	1.7%	13	1.7%	27	1.7%		
did you usually leave work to go	3:00 pm to 6:59 pm	721	86.9%	625	80.9%	1,345	84.0%		
home?	7:00 pm to 2:59 am	11	1.3%	27	3.5%	38	2.4%		
	Total	830	100.0%	772	100.0%	1,602	100.0%		
	3:00 am to 5:59 am	52	6.2%	66	8.6%	118	7.3%		
BEFORE the COVID-19	6:00am to 8:59 am	33	3.9%	41	5.3%	74	4.6%		
pandemic, between what times	9:00 am to 2:59 pm	14	1.7%	13	1.7%	27	1.7%		
did you usually leave work to go	3:00 pm to 6:59 pm	721	86.9%	625	80.9%	1,345	84.0%		
home?	7:00 pm to 2:59 am	11	1.3%	27	3.5%	38	2.4%		
	Total	830	100.0%	772	100.0%	1,602	100.0%		

WWYL City Report – September 24, 2021 0.50

Table B-13. Number of Days Prefer Future Telework by Department

	Но	w many	days pe	er week	would	no trave	el/telev	vork be	your pr	eferred	metho	d of trav	el to w	ork?
		0		1		2		3		4		5	To	otal
Department	Count	Row %	Count	Row %	Count	Row %	Count	Row %	Count	Row %	Count	Row %	Count	Row %
Department of Budget and														
Fiscal Services	138	49.6%	2	0.7%	22	7.8%	48	17.3%	34	12.4%	34	12.2%	278	100.0%
Department of														
Community Services	42	49.9%	3	3.9%	12	14.2%	16	19.1%	7	8.1%	4	4.8%	83	100.0%
Office of Corporate														
Counsel	49	42.4%	1	0.6%	12	10.5%	23	19.5%	15	13.4%	16	13.6%	116	100.0%
Combined Departments	71	61.2%	3	2.2%	8	7.3%	20	17.2%	5	4.5%	9	7.6%	116	100.0%
Department of Design and														
Construction	83	58.4%	3	1.8%	19	13.5%	21	15.1%	8	5.6%	8	5.5%	142	100.0%
Department of														
Environmental Services	31	70.3%	1	1.6%	1	1.6%	1	3.2%	7	15.3%	3	8.0%	44	100.0%
HART	47	56.9%	1	1.7%	6	7.5%	18	21.2%	7	8.0%	4	4.7%	83	100.0%
Department of Human														
Resources	26	30.9%	3	3.0%	23	27.2%	24	29.3%	4	5.2%	4	4.4%	83	100.0%
Department of														
Information Technology	55	40.9%	0	0.0%	8	6.2%	14	10.4%	18	13.6%	39	28.9%	133	100.0%
Mayor's Office	33	40.5%	11	13.8%	24	29.9%	11	13.3%	0	0.0%	2	2.4%	81	100.0%
Department of														
Transportation Services	27	31.0%	6	7.1%	31	35.3%	12	14.1%	2	2.8%	9	9.9%	88	100.0%
Department of Parks and														
Recreation	31	66.4%	3	7.1%	4	9.6%	6	12.0%	0	0.0%	2	5.0%	46	100.0%
Department of Planning														
and Permitting	85	43.1%	13	6.4%	31	15.7%	41	21.0%	17	8.4%	11	5.5%	198	100.0%
Public Safety														
Departmentsd	19	41.7%	5	11.6%	11	24.3%	6	13.6%	2	3.8%	2	4.9%	45	100.0%
Prosecuting Attorney	37	55.8%	0	0.0%	9	13.5%	5	8.1%	12	17.4%	3	5.1%	67	100.0%
Total	772	48.2%	54	3.4%	222	13.8%	267	16.7%	138	8.6%	149	9.3%	1,602	100.0%

Table B-14. Data by Zip Code for Maps

7in Codo	Rate Per 1,000 Commuters	Average Days Teleworked	Total Driving Trips Pre-COVID
•		Teleworked	Imps Pre-COVID
96761	0.4		
96720	1.1		
96741	2.0		_
96717	3.3		4
96731	5.0		6
96712	8.5		14
96786	10.2		41
96791	12.2		33
96730	12.5		
96818	15.3	116	184
96792	15.8		39
96815	16.3	123	91
96819	16.4	117	156
96734	17.1	125	188
96706	17.3	108	200
96797	17.6	87	307
96795	18.0		
96707	22.0	139	202
96782	22.2	134	287
96817	22.9	129	259
96826	23.4	108	116
96701	24.4	109	201
96789	24.7	105	348
96821	27.1	119	131
96822	27.3	117	392
96813	27.3	124	175
96744	30.2	121	401
96816	30.7	119	572
96814	34.9	105	114
96825	36.3	112	280

Table B-15: Before the Pandemic and Preferred Future Travel Mode for Sankey Chart

	F	uture Pre	ferences		
Travel Mode		Drove			
Before COVID	Telework	alone	Carpooled	Other	Total
Telework	76	56	6	5	143
Drove alone	1,691	3,063	123	199	5,076
Carpooled	339	128	437	71	975
Other	568	189	55	1,058	1,870
Total	2,674	3,436	621	1,333	·

Table B-16. Home and Work Location Data for Sankey Chart

					Hor	ne Location				
Work Location	Primary Urban Center	Central O'ahu		Waianae	North Shore	Ko'olauloa	Ko'olaupoko	East Honolulu	Non- O'ahu Zip Code	Total
Primary Urban Center	829	178	117	11	30	7	171	122	4	1,469
Central O'ahu	0	2	0	0	0	0	0	0	0	2
Ewa	34	33	26	2	5	0	7	1	2	110
Waianae	1	0	0	0	0	0	0	0	0	1
North Shore	3	0	0	0	1	0	0	0	0	4
Ko'olaupoko	6	0	0	0	0	0	3	0	0	9
East Honolulu	2	0	0	0	0	0	0	1	0	3
Non-O'ahu Zip Code	1	0	1	0	0	0	0	1	0	3
Total	876	213	144	13	36	7	181	125	6	1,602

Appendix C: Tables for Work Items Better at Home or Better at Work

Table C-1. Aspects of Work that are Better at Home

			PREFER TE	ELEWORK IN	N THE FUTUR	RE OR NOT	
Based on your tele experience, were e following better at I better at your works	ach of the nome or	Prefers to	elework in	Does NO	OT prefer	То	tal
	Problem	6	.7%	59	7.6%	64	4.0%
Commute time	Same	18	2.2%	131	17.0%	150	9.3%
Commute time	Advantage	806	97.1%	582	75.4%	1,388	86.7%
	Total	830	100.0%	772	100.0%	1602	100.0%
	Problem	34	4.0%	176	22.8%	210	13.1%
\\\\- \\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	Same	132	15.9%	262	34.0%	394	24.6%
Work/life balance	Advantage	664	80.1%	334	43.3%	998	62.3%
	Total	830	100.0%	772	100.0%	1602	100.0%
	Problem	15	1.8%	102	13.2%	116	7.3%
Flexible work	Same	207	25.0%	273	35.3%	480	30.0%
hours	Advantage	608	73.2%	398	51.5%	1,005	62.8%
	Total	830	100.0%	772	100.0%	1602	100.0%
	Problem	33	4.1%	169	25.5%	202	13.8%
Mayyork a abadula	Same	252	31.4%	253	38.2%	505	34.5%
My work schedule	Advantage	518	64.5%	240	36.3%	758	51.8%
	Total	804	100.0%	662	100.0%	1466	100.0%
_	Problem	84	10.2%	269	34.9%	354	22.1%
Ablity to focus, fewer	Same	214	25.8%	216	27.9%	430	26.9%
interruptions	Advantage	531	64.0%	287	37.2%	818	51.1%
,	Total	830	100.0%	772	100.0%	1602	100.0%
	Problem	64	7.7%	220	28.5%	284	17.7%
Noise level	Same	270	32.6%	231	29.9%	501	31.3%
inoise ievei	Advantage	495	59.7%	322	41.7%	817	51.0%
	Total	830	100.0%	772	100.0%	1602	100.0%

Table C-2. Aspects of Work that are the Same at Home and at Workplace

Based on your te		PF	REFER TELE	WORK IN TH	E FUTURE O	RNOT	
experience, were			lework in		T prefer		
the following bet home or better a		the fo	uture	telework in	the future	To	otal
worksite?	it your	Count	Col%	Count	Col%	Count	Col%
	Problem	259	20.5%	185	55.3%	445	27.8%
Productivity	Same	522	41.2%	100	29.8%	622	38.8%
Froductivity	Advantage	486	38.3%	50	14.9%	536	33.4%
	Total	1267	100.0%	335	100.0%	1602	100.0%
	Problem	304	24.0%	195	58.2%	499	31.2%
Access to	Sam e	859	67.8%	133	39.7%	992	61.9%
training	Advantage	104	8.2%	7	2.1%	110	6.9%
	Total	1267	100.0%	335	100.0%	1602	100.0%
	Problem	466	36.8%	243	72.4%	709	44.2%
Access to	Sam e	733	57.8%	91	27.1%	823	51.4%
supervisors	Advantage	68	5.4%	2	.6%	70	4.4%
	Total	1267	100.0%	335	100.0%	1602	100.0%
	Problem	345	27.6%	67	38.9%	412	28.9%
Access to	Same	773	61.7%	103	60.0%	876	61.5%
software	Advantage	135	10.7%	2	1.1%	137	9.6%
	Total	1253	100.0%	171	100.0%	1425	100.0%
	Problem	301	24.0%	67	36.4%	368	25.6%
Tracking work	Sam e	822	65.4%	110	60.0%	932	64.7%
status	Advantage	133	10.6%	7	3.6%	140	9.7%
	Total	1256	100.0%	184	100.0%	1440	100.0%
	Problem	396	31.7%	69	43.6%	465	33.0%
Access to	Same	777	62.1%	88	55.8%	865	61.4%
databases	Advantage	77	6.2%	1	.6%	78	5.5%
	Total	1250	100.0%	158	100.0%	1408	100.0%
	Problem	560	44.2%	253	75.6%	813	50.8%
Ability to mentor	Same	630	49.7%	80	23.9%	710	44.3%
or be mentored	Advantage	77	6.1%	2	.5%	79	4.9%
	Total	1267	100.0%	335	100.0%	1602	100.0%
	Problem	584	46.1%	251	74.7%	835	52.1%
Collaboration	Same	605	47.8%	82	24.4%	687	42.9%
with coworkers	Advantage	77	6.1%	3	.8%	80	5.0%
	Total	1267	100.0%	335	100.0%	1602	100.0%
	Problem	319	25.3%	49	26.2%	368	25.4%
Internet speed	Same	613	48.6%	127	67.1%	739	51.0%
	Advantage	330	26.2%	13	6.7%	343	23.6%
	Total	1262	100.0%	189	100.0%	1450	100.0%
	Problem	571	45.2%	78	53.7%	649	46.0%
Access to work-		637	50.4%	66	45.2%	703	49.9%
related files	Advantage	56	4.4%	2	1.2%	58	4.1%
	Total	1265	100.0%	145	100.0%	1410	100.0%
	Problem	240	30.2%	313	50.1%	553	38.9%
Computer	Same	346	43.5%	201	32.2%	547	38.5%
equipment	Advantage	210	26.3%	110	17.7%	320	22.5%
	Total	796	100.0%	624	100.0%	1420	100.0%

Table C-3. Aspects of Work that are Better at the Workplace

Based on yo experience, v			PREFER TO	LEWORKIN	N THE FUTUR	RE OR NOT	
of the followi	ng better at	Prefers to the fo	elework in uture	Does NO telework in	T prefer the future	То	tal
worksite?	er at your	Count	Col%	Count	Col%	Count	Col%
Access to	Problem	565	73.6%	488	81.3%	1,053	77.0%
non-	Same	162	21.1%	94	15.7%	256	18.7%
computer	Advantage	40	5.2%	18	3.0%	58	4.3%
equipment	Total	768	100.0%	600	100.0%	1368	100.0%
Social	Problem	527	63.5%	603	78.0%	1,130	70.5%
interaction	Same	261	31.4%	142	18.4%	403	25.1%
with .	Advantage	42	5.0%	28	3.6%	70	4.3%
coworkers	Total	830	100.0%	772	100.0%	1602	100.0%

Table C-4a. Evaluation Items by Level of Satisfaction with Telework Experience

Based on your te experience, were									Satisf	action v	vith Tele	ework							
following better a		Ve	ery Satisfie	d	Som	ewhat Satis	sfied		Neutral		Some	what Dissa	tisfied	Ver	y Dissatist	ied		Total	
better at your wor		Count	Col %	Mean	Count	Col %	Mean	Count	Col %	Mean	Count	Col %	Mean	Count	Col %	Mean	Count	Col %	Mean
Commute time	Problem	2	.3%		1	.3%		9	6.3%		2	5.1%		3	31.5%		17	1.4%	1
	Same	23	3.2%		28	8.4%		29	20.2%		5	12.1%		2	25.9%		88	7.0%	1
	Advantage	711	96.5%		305	91.4%		106	73.4%		36	82.8%		4	42.5%		1,162	91.7%	
	Total	737	100.0%	98.11	334	100.0%	95.57	145	100.0%	83.53	43	100.0%	88.82	8	100.0%	55.49	1267	100.0%	95.17
Work/life	Problem	11	1.5%		33	9.9%		32	21.8%		14	33.4%		8	100.0%		99	7.8%	
balance	Same	91	12.3%		110	32.9%		77	53.3%		17	39.4%		0	0.0%		295	23.3%	
	Advantage	635	86.1%		191	57.2%		36	24.9%		12	27.2%		0	0.0%		873	68.9%	
	Total	737	100.0%	92.30	334	100.0%	73.61	145	100.0%	51.55	43	100.0%	46.90	8	100.0%	0.00	1267	100.0%	80.56
Flexible work	Problem	0	0.0%		4	1.1%		23	15.6%		6	14.4%		1	9.7%		33	2.6%	
hours	Same	183	24.9%		107	32.2%		66	45.7%		19	44.2%		5	55.4%		381	30.1%	
	Advantage	553	75.1%		223	66.7%		56	38.6%		18	41.4%		3	34.9%		853	67.3%	
	Total	737	100.0%	87.55	334	100.0%	82.83	145	100.0%	61.50	43	100.0%	63.49	8	100.0%	62.63	1267	100.0%	82.35
Mywork	Problem	15	2.1%		38	11.5%		60	41.5%		13	31.8%		6	73.1%		133	10.5%	
schedule	Same	194	26.5%		130	39.5%		61	42.2%		14	34.5%		2	26.9%		402	32.0%	
	Advantage	523	71.4%		162	49.0%		24	16.3%		14	33.7%		0	0.0%		722	57.5%	
	Total	732	100.0%	84.69	330	100.0%	68.74	145	100.0%	37.40	41	100.0%	50.97	8	100.0%	13.44	1256	100.0%	73.46
Ablity to focus,	Problem	36	4.9%		72	21.7%		68	46.7%		23	53.6%		8	100.0%		208	16.4%	
fewer	Same	193	26.1%		101	30.1%		46	31.7%		2	5.4%		0	0.0%		341	27.0%	
interruptions	Advantage	508	68.9%		161	48.2%		31	21.7%		18	40.9%		0	0.0%		718	56.6%	
	Total	737	100.0%	82.00	334	100.0%	63.26	145	100.0%	37.48	43	100.0%	43.64	8	100.0%	0.00	1267	100.0%	70.12
Noise level	Problem	35	4.8%		62	18.5%		46	32.1%		14	33.3%		8	100.0%		166	13.1%	
	Same	217	29.5%		115	34.5%		52	36.1%		12	27.4%		0	0.0%		396	31.3%	
	Advantage	484	65.8%		157	47.0%		46	31.9%		17	39.3%		0	0.0%		704	55.6%	
	Total	737	100.0%	80.50	334	100.0%	64.21	145	100.0%	49.89	43	100.0%	53.02	8	100.0%	0.00	1267	100.0%	71.24
Productivity	Problem	49	6.6%		89	26.6%		78	54.0%		35	81.4%		8	100.0%		259	20.5%	
	Same	268	36.4%		183	54.8%		62	43.1%		8	18.6%		0	0.0%		522	41.2%	
	Advantage	420	57.0%		62	18.5%		4	2.9%		0	0.0%		0	0.0%		486	38.3%	
	Total	737	100.0%	75.18	334	100.0%	45.96	145	100.0%	24.45	43	100.0%	9.31	8	100.0%	0.00	1267	100.0%	58.94
Physical	Problem	160	21.7%		170	51.0%		104	71.7%		39	89.6%		8	100.0%		481	38.0%	
arrangement of	Same	248	33.8%		96	28.7%		31	21.5%		4	10.4%		0	0.0%		379	30.0%	
workspace	Advantage	327	44.5%		68	20.3%		10	6.9%		0	0.0%		0	0.0%		404	32.0%	
	Total	734	100.0%	61.39	334	100.0%	34.63	145	100.0%	17.60	43	100.0%	5.20	8	100.0%	0.00	1264	100.0%	46.98
Access to	Problem	92	12.5%		93	28.0%		81	55.8%		29	67.6%		8	100.0%		304	24.0%	
training	Same	556	75.5%		225	67.4%		64	44.2%		14	32.4%		0	0.0%		859	67.8%	
	Advantage	88	12.0%		15	4.6%		0	0.0%		0	0.0%		0	0.0%		104	8.2%	
	Total	737	100.0%	49.73	334	100.0%	38.32	145	100.0%	22.09	43	100.0%	16.21	8	100.0%	0.00	1267	100.0%	42.09
Access to	Problem	128	17.4%		176	52.8%		117	81.0%		36	83.8%		8	100.0%		466	36.8%	
supervisors	Same	551	74.7%		148	44.2%		28	19.0%		7	16.2%		0	0.0%		733	57.8%	
	Advantage	58	7.9%		10	3.0%		0	0.0%		0	0.0%		0	0.0%		68	5.4%	
	Total	737	100.0%	45.26	334	100.0%	25.10	145	100.0%	9.51	43	100.0%	8.12	8	100.0%	0.00	1267	100.0%	34.29

Table C-4b. Evaluation Items by Level of Satisfaction with Telework Experience

Based on your to																			
experience, were		V	erv Satisfie	d	Som	ew hat Satis	sfied	l	Neutral		Some	w hat Dissa	tisfied	Ver	v Dis satis f	ied		Total	
following better a better at your wo		Count	Col %	Mean	Count	Col %	Mean	Count	Col %	Mean	Count	Col %	Mean	Count	Col %	Mean	Count	Col %	Mean
Access to	Problem	80	10.9%		118	35.4%		104	74.9%		36	82.7%		8	100.0%		345	27.6%	
software	Same	541	74.1%		190	57.3%		34	24.5%		7	17.3%		0	0.0%		773	61.7%	_
	Advantage	110	15.0%		24	7.2%		1	.6%		0	0.0%		0	0.0%		135	10.7%	+-1
	Total	731	100.0%	52.08	332	100.0%	35.89	139	100.0%	12.87	43	100.0%	8.67	8	100.0%	0.00	1253	100.0%	41.59
Tracking work	Problem	48	6.6%		108	32.4%		99	69.1%		38	88.3%		8	100.0%		301	24.0%	
status	Same	557	76.3%		216	64.9%		44	30.9%		5	11.7%		0	0.0%		822	65.4%	+-
	Advantage	125	17.1%		9	2.6%		0	0.0%		0	0.0%		0	0.0%		133	10.6%	
	Total	730	100.0%	55.22	332	100.0%	35.09	144	100.0%	15.45	43	100.0%	5.86	8	100.0%	0.00	1256	100.0%	43.31
Access to	Problem	102	14.0%		146	44.2%		104	73.9%		36	82.7%		8	100.0%		396	31.7%	
databas es	Same	560	77.2%		177	53.3%		32	22.8%		7	17.3%		0	0.0%		777	62.1%	
	Advantage	64	8.8%		8	2.5%		5	3.4%		0	0.0%		0	0.0%		77	6.2%	
	Total	726	100.0%	47.40	331	100.0%	29.16	141	100.0%	14.75	43	100.0%	8.63	8	100.0%	0.00	1250	100.0%	37.23
Access to work-	Problem	191	26.0%		208	62.3%		125	86.5%		39	89.7%		8	100.0%		571	45.2%	
related files	Same	491	66.8%		123	36.7%		20	13.5%		4	10.3%		0	0.0%		637	50.4%	
	Advantage	53	7.2%		3	1.0%		0	0.0%		0	0.0%		0	0.0%		56	4.4%	
	Total	735	100.0%	40.62	334	100.0%	19.32	145	100.0%	6.74	43	100.0%	5.14	8	100.0%	0.00	1265	100.0%	29.64
Ability to mentor	Problem	216	29.3%		197	59.1%		106	73.3%		32	73.9%		8	100.0%		560	44.2%	
or be mentored	Same	452	61.4%		130	38.9%		36	25.0%		11	26.1%		0	0.0%		630	49.7%	
	Advantage	68	9.3%		6	1.9%		3	1.7%		0	0.0%		0	0.0%		77	6.1%	
	Total	737	100.0%	39.99	334	100.0%	21.40	145	100.0%	14.22	43	100.0%	13.06	8	100.0%	0.00	1267	100.0%	30.97
Collaboration	Problem	200	27.1%		218	65.2%		119	82.1%		40	91.8%		8	100.0%		584	46.1%	
with coworkers	Same	466	63.2%		111	33.2%		25	17.3%		4	8.2%		0	0.0%		605	47.8%	
	Advantage	71	9.7%		5	1.6%		1	.6%		0	0.0%		0	0.0%		77	6.1%	
	Total	737	100.0%	41.25	334	100.0%	18.17	145	100.0%	9.29	43	100.0%	4.10	8	100.0%	0.00	1267	100.0%	29.98
Computer	Problem	180	24.4%		151	45.1%		110	77.4%		39	90.5%		8	100.0%		488	38.6%	
equipment	Same	334	45.4%		115	34.4%		20	14.3%		3	8.1%		0	0.0%		473	37.4%	
	Advantage	222	30.2%		68	20.5%		12	8.3%		1	1.4%		0	0.0%		303	24.0%	
	Total	737	100.0%	52.90	334	100.0%	37.67	142	100.0%	15.49	43	100.0%	5.41	8	100.0%	0.00	1264	100.0%	42.71
Internet speed	Problem	90	12.3%		122	36.8%		67	47.3%		32	74.2%		7	84.4%		319	25.3%	
	Same	401	54.4%		138	41.4%		62	43.9%		11	25.8%		1	15.6%		613	48.6%	
	Advantage	245	33.3%		72	21.8%		13	8.9%		0	0.0%		0	0.0%		330	26.2%	
	Total	736	100.0%	60.52	332	100.0%	42.48	142	100.0%	30.80	43	100.0%	12.90	8	100.0%	7.82	1262	100.0%	50.44
Access to non- computer	Problem	500	69.2%		290	87.5%		135	93.8%		43	100.0%		8	100.0%		976	78.2%	
equipment	Same	172	23.8%		34	10.3%		9	6.2%		0	0.0%		0	0.0%		215	17.2%	
	Advantage	50	6.9%		7	2.2%		0	0.0%		0	0.0%		0	0.0%		57	4.6%	
	Total	721	100.0%	18.84	331	100.0%	7.33	144	100.0%	3.10	43	100.0%	0.00	8	100.0%	0.00	1248	100.0%	13.19
Social interaction with	Problem	412	56.0%		280	84.0%		116	80.0%		38	89.3%		8	100.0%		855	67.5%	
coworkers	Same	267	36.3%		50	15.1%		27	18.9%		5	10.7%		0	0.0%		350	27.6%	
	Advantage	57	7.8%		3	.9%		2	1.1%		0	0.0%		0	0.0%		62	4.9%	
	Total	737	100.0%	25.90	334	100.0%	8.46	145	100.0%	10.53	43	100.0%	5.33	8	100.0%	0.00	1267	100.0%	18.68

Table C-5a. Evaluation Items by Level of Interest in Future Telework

Based on your	telework								Interestin	Telewo	rkina in	the Future							
experience, we		Not :	at all interes	tod	Comou	hat Disinte	roctod	Ι	Neutral	TCICWO		ewhat Intere	octod	1/0	ryIntereste	d		Total	
the following be		Count	Col %	Mean	Count	Col %	Mean	Count	Col %	Mean	Count	Col %	Mean	Count	Col %	Mean	Count	Col %	Mean
home or better	Problem			WCan			WCall			wear			wear	31		wear			IVICAII
		6	.6%		8	3.1%		15	10.6%		3	4.4%			23.5%		64	4.0%	
Commute time	Same	35	3.6%		23	8.4%		44	30.2%		6	8.8%		42	31.5%		150	9.3%	
	Advantage	944	95.8%		242	88.5%		87	59.3%		56	86.8%		60	45.1%		1,388	86.7%	
	Total	985	100.0%	97.60	273	100.0%	92.73	147	100.0%	74.34	64	100.0%	91.17	133	100.0%	60.79	1602	100.0%	91.33
	Problem	30	3.0%		33	12.1%		38	26.0%		25	38.2%		84	63.5%		210	13.1%	
Work/life	Same	136	13.8%		115	42.0%		80	54.4%		28	43.4%		36	27.3%		394	24.6%	
balance	Advantage	820	83.2%		126	46.0%		29	19.6%		12	18.3%		12	9.2%		998	62.3%	
	Total	985	100.0%	90.10	273	100.0%	66.95	147	100.0%	46.83	64	100.0%	40.05	133	100.0%	22.86	1602	100.0%	74.62
	Problem	7	.7%		23	8.5%		25	17.3%		15	23.8%		45	34.0%		116	7.3%	
Flexible work	Same	238	24.1%		93	34.0%		72	49.0%		21	33.5%		56	42.5%		480	30.0%	
hours	Advantage	740	75.2%		157	57.5%		49	33.7%		27	42.6%		31	23.5%		1,005	62.8%	
	Total	985	100.0%	87.21	273	100.0%	74.49	147	100.0%	58.23	64	100.0%	59.39	133	100.0%	44.71	1602	100.0%	77.76
	Problem	39	4.1%		43	17.0%		61	47.9%		16	33.8%		42	53.8%		202	13.8%	
Mywork	Same	282	29.4%		121	47.5%		49	38.9%		22	45.6%		31	39.8%		505	34.5%	
schedule	Advantage	636	66.5%		91	35.5%		17	13.2%		10	20.6%		5	6.4%		758	51.8%	
	Total	957	100.0%	81.20	255	100.0%	59.28	127	100.0%	32.64	49	100.0%	43.44	78	100.0%	26.30	1466	100.0%	68.99
	Problem	74	7.6%		63	23.0%		81	55.3%		42	64.8%		94	70.7%		354	22.1%	
Ablity to focus,	Same	250	25.4%		103	37.9%		46	31.5%		12	19.1%		18	13.7%		430	26.9%	
fewer interruptions	Advantage	661	67.0%		107	39.2%		19	13.2%		10	16.1%		21	15.6%		818	51.1%	
Interruptions	Total	985	100.0%	79.75	273	100.0%	58.10	147	100.0%	28.98	64	100.0%	25.66	133	100.0%	22.47	1602	100.0%	64.50
	Problem	69	7.0%		50	18.2%		56	38.5%		30	47.2%		78	59.1%		284	17.7%	
	Same	278	28.2%		119	43.6%		55	37.7%		17	26.2%		32	24.0%		501	31.3%	
Noise level	Advantage	638	64.7%		105	38.3%		35	23.8%		17	26.6%		22	16.9%		817	51.0%	
	Total	985	100.0%	78.85	273	100.0%	60.06	147	100.0%	42.65	64	100.0%	39.72	133	100.0%	28.94	1602	100.0%	66.63
	Problem	81	8.2%		97	35.4%		92	63.0%		53	82.0%		122	92.0%		445	27.8%	
	Same	406	41.2%		143	52.4%		52	35.3%		10	15.6%		11	8.0%		622	38.8%	
Productivity	Advantage	498	50.6%		33	12.2%		3	1.7%		2	2.4%		0	0.0%		536	33.4%	
	Total	985	100.0%	71.19	273	100.0%	38.39	147	100.0%	19.36	64	100.0%	10.18	133	100.0%	3.99	1602	100.0%	52.84
	Problem	245	25.6%		128	50.2%	30.00	81	71.9%		41	90.1%	,	56	91.8%		552	38.5%	
Physical	Same	326	34.0%		95	37.0%		27	23.6%		3	6.5%		5	8.2%		456	31.8%	
arrangement	Advantage	387	40.4%		33	12.8%		5	4.6%	l -	2	3.4%		0	0.0%		427	29.7%	\vdash
of workspace	Total	959	100.0%	57.40	256	100.0%	31.31	113	100.0%	16.35	45	100.0%	6.65	62	100.0%	4.11	1434	100.0%	45.63
	Problem	149	15.1%	57.40	118	43.2%	501	91	62.3%	.0.00	48	75.0%	0.00	93	70.2%		499	31.2%	1.5.55
Access to	Same	736	74.7%		145	53.1%		55	37.7%		16	25.0%		40	29.8%		992	61.9%	
training	Advantage	100	10.2%		10	3.7%		0	0.0%		0	0.0%		0	0.0%		110	6.9%	
	Total	985	100.0%	47.56	273	100.0%	30.22	147	100.0%	18.83	64	100.0%	12.52	133	100.0%	14.92	1602	100.0%	37.87
	Problem	246	24.9%	47.00	177	64.6%	50.22	107	73.3%	10.00	60	93.5%	12.02	119	89.6%	17.52	709	44.2%	07.07
Access to	Same	673	68.3%		93	34.1%		39	26.7%		4	6.5%		14	10.4%		823	51.4%	
supervisors	Advantage	67	6.8%		93	1.3%		0	0.0%		0	0.0%		0	0.0%		70	4.4%	\vdash
_ spoooio	Total	985	100.0%	40.91	273	100.0%	18.32	147	100.0%	13.34	64	100.0%	3.25	133	100.0%	5.21	1602	100.0%	30.07
	Problem	145		40.91	100		10.32	72		10.04	39		3.20	56		0.21			30.07
	FIODIEIII	145	15.1%		100	41.6%		72	70.5%		39	78.9%		56	75.8%		412	28.9%	

Table C-5b. Evaluation Items by Level of Interest in Future Telework

Based on your t	elework								Interest in	Telewo	rkina in	the Future							
experience, wer		Not	at all interes	stad	Somo	hat Disinte	ree to d		Neutral	i Cicw O		ewhat Intere	ac to d	Ma	ryIntereste	ad.		Total	
the following be		Count	Col %	Mean	Count	Col %	Mean	Count	Col %	Mean	Count	Col %	Mean	Count	Col %	Mean	Count	Col %	Mean
hom e or better	Same			Weatt			Wear			WEAT			IVICALI			Weatt			Mean
Access to		690	72.0%		128	53.4%		30	29.5%		10	19.7%		18	24.2%		876	61.5%	\vdash
software	Advantage	124	12.9%		12	5.1%		0	0.0%		1	1.3%		0	0.0%		137	9.6%	
	Total	959	100.0%	48.90	239	100.0%	31.75	103	100.0%	14.76	50	100.0%	11.19	74	100.0%	12.11	1425	100.0%	40.34
	Problem	110	11.4%		91	37.2%		76	65.9%		40	86.9%		51	76.1%		368	25.6%	
Tracking work	Same	723	74.8%		148	60.5%		39	34.1%		6	13.1%		16	23.9%		932	64.7%	
status	Advantage	134	13.9%		6	2.3%		0	0.0%		0	0.0%		0	0.0%		140	9.7%	
	Total	967	100.0%	51.24	244	100.0%	32.59	116	100.0%	17.04	46	100.0%	6.53	68	100.0%	11.97	1440	100.0%	42.07
	Problem	176	18.3%		127	53.0%		69	67.5%		39	90.2%		55	86.9%		465	33.0%	
Access to	Same	710	73.9%		112	46.7%		33	32.5%		2	4.0%		8	13.1%		865	61.4%	
databases	Advantage	75	7.8%		1	.4%		0	0.0%		3	5.8%		0	0.0%		78	5.5%	
	Total	960	100.0%	44.74	240	100.0%	23.71	102	100.0%	16.24	43	100.0%	7.82	63	100.0%	6.57	1408	100.0%	36.25
	Problem	303	31.6%		163	69.2%		83	77.5%		44	91.6%		57	94.3%		649	46.0%	,
Access to work-	Same	600	62.6%		72	30.4%		23	21.8%		4	8.4%		3	5.7%		703	49.9%	
related files	Advantage	56	5.9%		1	.4%		1	.7%		0	0.0%		0	0.0%		58	4.1%	
	Total	959	100.0%	37.15	235	100.0%	15.60	107	100.0%	11.63	48	100.0%	4.22	60	100.0%	2.86	1410	100.0%	29.04
	Problem	353	35.8%		191	69.9%		108	73.9%		49	76.9%		111	83.9%		813	50.8%	
Ability to	Same	557	56.5%		81	29.5%		38	26.1%		12	19.1%		21	16.1%		710	44.3%	
mentor or be mentored	Advantage	75	7.6%		2	.6%		0	0.0%		3	3.9%		0	0.0%		79	4.9%	
memored	Total	985	100.0%	35.88	273	100.0%	15.36	147	100.0%	13.06	64	100.0%	13.51	133	100.0%	8.07	1602	100.0%	27.09
	Problem	336	34.1%		198	72.5%		118	80.4%		62	96.1%		122	91.9%		835	52.1%	
Collaboration	Same	571	57.9%		74	27.2%		29	19.6%		3	3.9%		11	8.1%		687	42.9%	,
	Advantage	79	8.0%		1	.3%		0	0.0%		0	0.0%		0	0.0%		80	5.0%	
	Total	985	100.0%	36.99	273	100.0%	13.91	147	100.0%	9.80	64	100.0%	1.97	133	100.0%	4.07	1602	100.0%	26.44
	Problem	262	27.5%		137	55.2%		68	62.1%		37	78.3%		49	75.9%		553	38.9%	
Computer	Same	420	44.3%		78	31.5%		32	29.2%		6	12.8%		10	15.6%		547	38.5%	
equipment	Advantage	268	28.2%		33	13.3%		10	8.7%		4	8.9%		5	8.4%		320	22.5%	
	Total	950	100.0%	50.32	248	100.0%	29.08	110	100.0%	23.33	47	100.0%	15.28	65	100.0%	16.24	1420	100.0%	41.80
	Problem	153	16.2%	00.02	80	31.8%	20.00	59	49.4%	20.00	31	59.1%	10.20	45	55.5%	10.21	368	25.4%	11.00
	Same	506	53.5%		136	53.9%		48	40.6%		18	34.1%		32	38.8%		739	51.0%	
Internet speed	Advantage	287	30.3%		36	14.3%		12	10.0%		4	6.8%		5	5.7%		343	23.6%	
	Total	946	100.0%	57.06	252	100.0%	41.25	118	100.0%	30.27	53	100.0%	23.81	82	100.0%	25.08	1450	100.0%	49.12
	Problem	661	71.8%	57.00	203	86.0%	71.20	87	84.1%	50.21	44	96.9%	20.01	58	94.1%	20.00	1.053	77.0%	73.12
Access to non-	Same	203	22.1%		32	13.4%		16	15.9%		1	3.1%		4	5.9%		256	18.7%	\vdash
computer	Advantage	57	6.2%		1	.6%		0	0.0%		0	0.0%		0	0.0%		58	4.3%	\vdash
equipment	Total	922	100.0%	17.19	236	100.0%	7.29	103	100.0%	7.94	46	100.0%	1.53	61	100.0%	2.93	1368	100.0%	13.62
	Problem			17.19			7.29			7.94			1.53			2.93			13.62
Social	Same	606	61.5%		214	78.2%		126	86.0%		62	96.1%		122	91.8%		1,130	70.5%	
interaction with		312	31.6%		57	20.9%		20	14.0%		3	3.9%		11	8.2%		403	25.1%	\vdash
coworkers	Advantage	67	6.8%		2	.8%		0	0.0%		0	0.0%		0	0.0%		70	4.3%	
	Total	985	100.0%	22.66	273	100.0%	11.28	147	100.0%	6.98	64	100.0%	1.97	133	100.0%	4.08	1602	100.0%	16.92

Table C-6. Regression Analysis, Evaluation Items by Satisfaction with Telework Experience

Coefficients^a

				Standardiz				
				ed				
		Unstand		Coefficient				
		Coeffi		S			Collinearit	,
Model		В	Std. Error	Beta	t	Sig.	Tolerance	VIF
1	(Constant)	3.228	.130		24.760	.000		
	Commute time	003	.001	052	-1.856	.064	.834	1.199
	Work/life balance	006	.001	212	-6.407	.000	.598	1.673
	Mywork schedule	001	.001	054	-1.646	.100	.613	1.630
	Ablity to focus, fewer interruptions	001	.001	034	912	.362	.475	2.105
	Noise level	.000	.001	.018	.544	.587	.569	1.759
	Productivity	003	.001	149	-3.856	.000	.441	2.268
	Physical arrangement of works pace	001	.001	056	-1.687	.092	.589	1.698
	Access to training	.001	.001	.023	.678	.498	.583	1.715
	Access to supervisors	004	.001	138	-3.833	.000	.507	1.972
	Access to software	003	.001	093	-2.599	.010	.508	1.970
	Tracking work status	003	.001	108	-2.976	.003	.497	2.014
	Access to databases	002	.001	050	-1.399	.162	.524	1.908
	Access to work-related files	001	.001	045	-1.276	.202	.518	1.932
	Ability to mentor or be mentored	.000	.001	.012	.342	.732	.546	1.832
	Collaboration with coworkers	002	.001	072	-1.854	.064	.435	2.300
	Computer equipment	.000	.001	006	177	.860	.576	1.735
	Internetspeed	001	.001	024	738	.460	.611	1.636
	Access to non-computer equipment	.000	.001	.007	.238	.812	.745	1.343
	Social interaction with coworkers	.002	.001	.069	2.120	.034	.623	1.606

a. Dependent Variable: Satisfaction with Telework Experience

Model Summary^b

	_		Adjusted	Std. Error of the	Durbin-
Model	R	R Square	R Square	Estim ate	Watson
1	.687ª	.472	.459	.62440	1.980

a. Predictors: (Constant), Social interaction with coworkers, Commute time, Internet speed, Noise level, Access to non-computer equipment, Mywork schedule, Access to training, Access to databases, Ability to mentor or be mentored, Work/life balance, Physical arrangement of workspace, Computer equipment, Access to work-related files, Access to supervisors, Ablity to focus, fewer interruptions, Tracking work status, Access to software, Productivity, Collaboration with coworkers

b. Dependent Variable: Satisfaction with Telework Experience

Table C-7. Regression Analysis, Evaluation Items by Preference for Future Telework

Coefficients^a

		Unstandardize	d Coefficients	Standardized Coefficients			Collinearity	Statistics
Model		В	Std. Error	Beta	t	Sig.	Tolerance	VIF
1	(Constant)	.128	.075		1.697	.090		
	My work schedule	.001	.000	.076	2.509	.012	.628	1.593
	What percent of your job can be done from home?	.005	.001	.251	8.668	.000	.682	1.466
	Work/life balance	.003	.000	.179	6.249	.000	.699	1.430
	Telework Experience	.058	.048	.030	1.206	.228	.918	1.089
	Social interaction with coworkers	001	.000	049	-1.752	.080	.734	1.363
	Access to supervisors	.001	.001	.035	1.196	.232	.657	1.521
	Access to software	.001	.000	.040	1.356	.175	.659	1.518
	Access to non-computer equipment	001	.000	027	-1.016	.310	.789	1.267
	Age (Combined for weighting only)	066	.013	124	-4.928	.000	.912	1.096
	Number of Stops per Week on a Usual Trip to Work.	.001	.010	.003	.142	.887	.981	1.019
	BEFORE the COVID-19 pandemic, how long did your trip to work take on a typical day?	.024	.010	.061	2.445	.015	.916	1.092
	Supervisor / Non- supervisor	105	.026	101	-4.084	.000	.945	1.058

a. Dependent Variable: PREFER TELEWORK IN THE FUTURE OR NOT

ANOVA^a

Model		Sum of Squares	df	Mean Square	F	Sig.	
1	Regression	80.912	12	6.743	36.403	.000 ^b	
	Residual	241.785	1305	.185	2-23-00-32-02-2		
	Total	322.697	1317				

a. Dependent Variable: PREFER TELEWORK IN THE FUTURE OR NOT

b. Predictors: (Constant), Supervisor / Non-supervisor, Work/life balance, Number of Stops per Week on a Usual Trip to Work., Telework Experience, Access to non-computer equipment, BEFORE the COVID-19 pandemic, how long did your trip to work take on a typical day?, Age (Combined for weighting only), Social interaction with coworkers, What percent of your job can be done from home?, Access to software, Access to supervisors, My work schedule

Appendix D: Tables for Mode of Travel by Future Telework Preference

Table D-1. Before the Pandemic, Distribution of Trips to Work for Future Teleworkers and Non-Teleworkers

DEEODE # - 00/#2 40		PREFER TELEWORK IN THE FUTURE OR NOT						
	OVID-19 pandemic,	Prefers telework in the		Does NOT prefer				
in a typical 5-day workweek, how many days per week did you use each of the following ways to commute to work?		future		telework in the future		Total		
		Count	Pct	Count	Pct	Count	Pct	
	zero days a week	808	97.5%	766	99.2%	1574	98.3%	
	one day a week	1	0.1%	0	0.0%	1	0.1%	
No travel,	two days a week	12	1.4%	2	0.3%	14	0.9%	
worked from home	three days a week	2	0.2%	0	0.0%	2	0.1%	
nome	four days a week	1	0.1%	0	0.0%	1	0.1%	
	five days a week	5	0.6%	4	0.5%	9	0.6%	
	zero days a week	305	36.8%	282	36.5%	587	36.6%	
	one day a week	21	2.5%	11	1.4%	32	2.0%	
Б	two days a week	11	1.3%	13	1.7%	24	1.5%	
Drove alone	three days a week	20	2.4%	17	2.2%	37	2.3%	
	four days a week	6	0.7%	5	0.6%	11	0.7%	
	five days a week	466	56.2%	445	57.6%	911	56.9%	
	zero days a week	718	86.5%	690	89.4%	1408	87.9%	
	one day a week	8	1.0%	5	0.6%	13	0.8%	
C	two days a week	11	1.3%	3	0.4%	14	0.9%	
Carpooled	three days a week	10	1.2%	11	1.4%	21	1.3%	
	four days a week	16	1.9%	8	1.0%	24	1.5%	
	five days a week	67	8.1%	55	7.1%	122	7.6%	
	zero days a week	730	88.0%	669	86.8%	1399	87.4%	
	one day a week	15	1.8%	4	0.5%	19	1.2%	
Rode TheBus	two days a week	14	1.7%	12	1.6%	26	1.6%	
Rode Mebus	three days a week	5	0.6%	3	0.4%	8	0.5%	
	four days a week	10	1.2%	8	1.0%	18	1.1%	
	five days a week	56	6.7%	75	9.7%	131	8.2%	
	zero days a week	792	95.5%	750	97.2%	1542	96.3%	
	one day a week	5	0.6%	0	0.0%	5	0.3%	
Pada a higuela	two days a week	3	0.4%	5	0.6%	8	0.5%	
Rode a bicycle	three days a week	7	0.8%	1	0.1%	8	0.5%	
	four days a week	8	1.0%	2	0.3%	10	0.6%	
	five days a week	14	1.7%	14	1.8%	28	1.7%	
	zero days a week	799	96.4%	734	95.0%	1533	95.7%	
	one day a week	4	0.5%	6	0.8%	10	0.6%	
Walked	two days a week	2	0.2%	1	0.1%	3	0.2%	
vvaikeu	three days a week	6	0.7%	3	0.4%	9	0.6%	
	four days a week	4	0.5%	4	0.5%	8	0.5%	
	five days a week	14	1.7%	25	3.2%	39	2.4%	
	zero days a week	812	97.8%	749	97.0%	1561	97.4%	
	one day a week	1	0.1%	2	0.3%	3	0.2%	
Other	two days a week	2	0.2%	2	0.3%	4	0.2%	
Outer	three days a week	1	0.1%	0	0.0%	1	0.1%	
	four days a week		0.0%		0.0%		0.0%	
	five days a week	14	1.7%	19	2.5%	33	2.1%	
	Total	830	100.0%	772	100.0%	1602	100.0%	

Table D-2. During the Pandemic, Distribution of Trips to Work for Future Teleworkers and Non-Teleworkers

DURING the COVID-19 pandemic,		PREFER TELEWORK IN THE FUTURE OR NOT						
in a typical 5-day workweek, how		Prefers telework in the		Does NOT prefer				
many days per week did you use each of the following ways to		future		telework in the future		Total		
commute to work?		Count	Col %	Count	Col %	Count	Col %	
Teleworked	zero days a week	155	18.7%	521	67.4%	675	42.2%	
	one day a week	47	5.7%	26	3.3%	73	4.6%	
	two days a week	159	19.1%	65	8.4%	224	14.0%	
	three days a week	199	24.0%	38	5.0%	238	14.8%	
	four days a week	100	12.1%	20	2.6%	120	7.5%	
	five days a week	169	20.4%	103	13.3%	272	17.0%	
	zero days a week	405	48.9%	464	60.1%	870	54.3%	
	one day a week	88	10.7%	25	3.3%	114	7.1%	
Drove alone	two days a week	139	16.7%	43	5.5%	182	11.3%	
Drove alone	three days a week	109	13.2%	38	5.0%	148	9.2%	
	four days a week	34	4.1%	26	3.4%	60	3.8%	
	five days a week	54	6.5%	175	22.7%	229	14.3%	
	zero days a week	761	91.8%	726	94.1%	1,488	92.9%	
	one day a week	13	1.6%	5	.7%	19	1.2%	
Carpooled	two days a week	20	2.4%	2	.2%	22	1.4%	
Carpooleu	three days a week	25	3.0%	15	1.9%	40	2.5%	
	four days a week	6	.7%	3	.4%	9	.6%	
	five days a week	4	.4%	20	2.6%	24	1.5%	
	zero days a week	779	93.8%	731	94.7%	1,510	94.2%	
	one day a week	16	1.9%	6	.7%	22	1.4%	
Rode TheBus	two days a week	22	2.6%	10	1.3%	31	2.0%	
Rode Hiebus	three days a week	13	1.5%	11	1.5%	24	1.5%	
	four days a week	1	.1%	2	.2%	2	.1%	
	five days a week	0	0.0%	13	1.6%	13	.8%	
	zero days a week	797	96.1%	760	98.4%	1,557	97.2%	
	one day a week	12	1.5%	0	0.0%	12	.8%	
Rode a bicycle	two days a week	10	1.3%	0	0.0%	10	.7%	
Rode a bicycle	three days a week	8	1.0%	4	.5%	12	.7%	
	four days a week	0	0.0%	2	.3%	2	.1%	
	five days a week	2	.2%	7	.9%	9	.5%	
	zero days a week	801	96.5%	740	95.9%	1,541	96.2%	
	one day a week	11	1.3%	6	.8%	17	1.0%	
Walked	two days a week	10	1.2%	4	.5%	13	.8%	
vvaikeu	three days a week	3	.3%	4	.5%	6	.4%	
	four days a week	5	.6%	3	.4%	8	.5%	
	five days a week	1	.1%	16	2.1%	16	1.0%	
	zero days a week	815	98.3%	757	98.0%	1,572	98.1%	
	one day a week	5	.6%	2	.2%	7	.4%	
Other	two days a week	6	.7%	1	.2%	7	.5%	
Other	three days a week	1	.2%	4	.5%	5	.3%	
	four days a week	1	.1%	0	0.0%	1	.0%	
	five days a week	1	.1%	9	1.1%	10	.6%	

Table D-3. Future Preference, Distribution of Trips to Work for Future Teleworkers and Non-Teleworkers

In the FUTURE, in a typical 5-day		PREFER TELEWORK IN THE FUTURE OR NOT						
workweek, how many days per week would you preferto use each		Prefers telework in the		Does NOT prefer				
of the following ways to commute		future		telework in the future		Total		
to work?		Count	Col %	Count	Col %	Count	Col %	
Telework	zero days a week	0	0.0%	772	100.0%	772	48.2%	
	one day a week	54	6.5%	0	0.0%	54	3.4%	
	two days a week	222	26.7%	0	0.0%	222	13.8%	
	three days a week	267	32.2%	0	0.0%	267	16.7%	
	four days a week	138	16.7%	0	0.0%	138	8.6%	
	five days a week	149	18.0%	0	0.0%	149	9.3%	
	zero days a week	342	41.3%	213	27.5%	555	34.6%	
	one day a week	124	15.0%	7	1.0%	132	8.2%	
Drive alone	two days a week	204	24.6%	21	2.8%	225	14.1%	
Drive alone	three days a week	137	16.5%	19	2.4%	155	9.7%	
	four days a week	22	2.7%	13	1.7%	35	2.2%	
	five days a week	0	0.0%	499	64.7%	499	31.2%	
	zero days a week	739	89.1%	693	89.7%	1,432	89.4%	
	one day a week	25	3.0%	3	.4%	28	1.8%	
Carpool	two days a week	31	3.7%	3	.4%	34	2.1%	
Carpool	three days a week	30	3.6%	8	1.1%	38	2.4%	
	four days a week	5	.6%	8	1.0%	13	.8%	
	five days a week	0	0.0%	57	7.4%	57	3.6%	
	zero days a week	766	92.3%	671	86.9%	1,437	89.7%	
	one day a week	22	2.6%	8	1.0%	29	1.8%	
Ride TheBus	two days a week	30	3.6%	11	1.4%	41	2.6%	
Nide IIIebus	three days a week	12	1.4%	4	.5%	15	1.0%	
	four days a week	1	.1%	5	.6%	5	.3%	
	five days a week	0	0.0%	74	9.6%	74	4.6%	
	zero days a week	784	94.5%	747	96.7%	1,530	95.5%	
	one day a week	11	1.3%	5	.7%	16	1.0%	
Ride a bicycle	two days a week	19	2.2%	2	.2%	20	1.3%	
riide a biojeie	three days a week	10	1.2%	1	.1%	11	.7%	
	four days a week	6	.8%	2	.2%	8	.5%	
	five days a week	0	0.0%	16	2.1%	16	1.0%	
	zero days a week	796	95.9%	719	93.1%	1,515	94.6%	
	one day a week	17	2.1%	9	1.2%	27	1.7%	
Walk to work	two days a week	9	1.1%	3	.4%	12	.7%	
	three days a week	5	.6%	7	.9%	12	.8%	
	four days a week	2	.3%	1	.2%	4	.2%	
	five days a week	0	0.0%	32	4.2%	32	2.0%	
	zero days a week	808	97.4%	740	95.8%	1,548	96.6%	
	one day a week	8	.9%	3	.3%	11	.7%	
Other	two days a week	9	1.0%	5	.7%	14	.8%	
Ollici	three days a week	2	.3%	5	.7%	8	.5%	
	four days a week	3	.3%	1	.2%	4	.2%	
	five days a week	0	0.0%	18	2.4%	18	1.1%	