



City of Alexandria, VA

2025 Resident Transportation Needs Assessment Survey

Report of Results
January 2026



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Executive Summary

SURVEY BACKGROUND

The City of Alexandria's Department of Transportation and Environmental Services contracted with Polco to conduct a survey on city-wide multimodal transportation trends and preferences. The 2025 survey is the fourth iteration conducted by Polco, allowing comparisons of modal use by year. The data from the survey will be used for several purposes, including performance measurement and planning.

All households located within Alexandria city limits were eligible to be a part of the 2025 survey, with 4,500 households being selected at random to receive an invitation. Each selected household was contacted three times via mail starting November 12, 2025, and data collection closed on December 28, 2025. A total of 617 residents completed a survey, resulting in a response rate of 14%. Typical response rates for a survey of this type range between 10% and 20%.

With 617 responses, the margin of error at the 95% confidence level is ± 4 percentage points. Further details on the survey methodology can be found in *Appendix H: Survey Methodology*.

KEY FINDINGS

- **Walking and driving remain the most common travel modes in Alexandria; motorcycle, paratransit, and carshare the least.**

When asked how frequently they used a variety of transportation modes in the month prior to the survey, almost half had walked or driven alone daily (or nearly daily), while only about 10% had not walked or driven alone in that past month. Rail (Metrorail, commuter rail) was the most used public transportation mode, with about one-third of respondents using this daily (or nearly daily) in the month prior to the survey. TNC such as Uber, Lyft, or Via were used a few times per month by roughly 4 in 10 residents. About three-fourths of residents never used taxis, bikes, or metrobuses. However, the least-used modes were motorcycle/moped/scooter (94% never used these), carshare (98%), and paratransit (98%).

- **Half of all employees drive a single-occupancy vehicle to work, a proportion slightly lower than two years ago.**

Employed respondents made up 80% of the survey sample and were asked which modes of transportation they used to commute to and from work on each day of the previous week. Just over half (52%) reported driving alone at least once during the week, a decline of six percentage points from 2023. However, single-occupancy driving still accounted for 36% of all commute trips, a share largely unchanged from the previous survey.

- **Quickness and convenience continue to drive single-occupancy commuting.**

Among those who often drive to work, about half cited quickness and convenience as the primary reason. About one-quarter indicated that they need or want to make stops or run errands during their commute, while one in five cited privacy-related considerations. Each of these proportions was similar to those observed in 2023.

- **The proportion of respondents teleworking declined sharply compared with 2023, while the average number of teleworked days per week decreased more moderately.**

The proportion of survey respondents working from home at least once a week declined sharply since 2023, from 59% two years ago to 42% currently. The number of days worked from home per week also decreased, from 30% to 23%.

- **Private vehicles were once again the most common choice of transportation for grocery store trips and non-grocery errands.**

Respondents were asked what forms of transportation they used for several different types of non-commuting destination trips. Driving was by far the most popular choice for grocery store trips and non-grocery errands, with about three-fourths of survey participants saying they made at least some of these types of trips by driving. Walking was the next most popular option, with about half the respondents saying they made at least some of these trips on foot.

- **Walking was more often used for visiting parks and recreation centers and fun or fitness.**

When choosing to visit parks or recreation centers or engage in an activity for fun or fitness, many residents choose to walk more often than drive alone. For other social activities, like going to restaurants, driving alone was the most popular choice, followed closely by walking.

- **The addition of more street lighting, off-street multi-use paths and trails, and improved traffic safety could positively impact walking and biking.**

About 3 in 4 respondents strongly or somewhat agreed that they would walk more if there were more street lighting after dark, if walking did not take longer, if there were more off-street walking options such as multi-use trails or paths, and if they felt safer from traffic while walking.

Similarly, about 7 in 10 respondents said they would bike more if they felt safer from traffic, while 6 in 10 would do it if there were more off-street multi-use paths and trails. Another 6 in 10 respondents indicated they would bike more frequently if there were secure places to park their bicycles at destinations or if there were more street lighting after dark.

- **Caregiver drop-off continues to be a common transportation trip for residents, with walking rates declining slightly and carpooling rates increasing.**

About half of respondents with children indicated that their children were driven to school by a caregiver, unchanged from 2023. Distance to school, safety, time, and inconvenience of using other non-driving modes were the most frequently cited reasons for not using alternatives to driving.

Meanwhile, 38% of respondents said their child or children walked to school, down from 44% in 2023. Use of school buses remained mostly unchanged at 31%, while use of public transportation slightly increased from 9% in 2023 to 14% in the current survey. Carpooling showed a significant increase, rising from 8% in 2023 to 19% in 2025.

- **Most residents regularly use GPS apps for route planning.**

About 70% of residents reported using GPS apps like Google Maps or Waze at least a few times a week to help determine the best route, while only 12% said they had never used such applications. The proportion of residents who use these tools on a daily basis is now 42% and has been steadily increasing since 2021. Conversely, less than 2 in 10 respondents have heard about GO Alex, the City's program that helps people find transportation options.

Survey Background

The City of Alexandria's Department of Transportation and Environmental Services contracted with Polco to conduct a fourth iteration of a survey (previously conducted in 2016, 2021, and 2023) to assess City-wide multimodal transportation trends and preferences.

Results from this survey will be used for performance measurement, assessment, and planning, tracking mode share goals for Transportation Management Plans, informing and justifying capital projects throughout the city, and providing data insights for relevant transportation studies and reports.

Outreach for this survey used multiple communications channels to ensure a robust response through two efforts. The first was an address-based sample outreach effort. A total of 4,500 household addresses were randomly selected from a US Postal Service (USPS) list of all residential addresses in the city to receive a mailed survey and a mailed invitation to an online survey. Mailings were sent over a three-week period with the initial invitation mailed on November 12, 2025. Data collection closed December 28, 2025. These 4,500 selected households received a series of three mailings over the course of three weeks. The initial contact was a postcard invitation to complete the survey online. The second contact was a packet containing a paper copy of the survey, a cover letter with instructions, and a postage-paid reply envelope for returning the completed survey. Finally, a reminder postcard was sent to all households. All of these mailed materials included a web link and a QR code so that residents could complete the survey online, if desired. The online survey was available in English and Spanish.

Additionally, a second online survey was programmed that included the same questions as the address-based survey. This survey was available in English and Spanish to all Alexandria residents and was promoted by the City via social media and other communication channels. This open-participation effort was conducted during the last three weeks of December 2025.

Overall, there were 617 responses to the mailed invitations/surveys from the sampled outreach effort, for a response rate of 14% and a margin of error of $\pm 4\%$. More information about how the survey was conducted can be found in *Appendix H: Survey Methodology*. A copy of the questionnaire can be found *Appendix I: Survey*

Additionally, 545 residents responded to the open participation outreach effort. The results of these responses are summarized in *Appendix G: Complete Set of Responses for the Open Participation Survey*.

This report summarizes the results of the responses to the sampled outreach effort. A complete set of responses to each multiple-response survey question can be found in *Appendix A: Complete Set of Responses*, while the verbatim responses to the open-ended questions (which could be answered in the respondent's own words) are found in *Appendix B: Verbatim Answers to Open-Ended Questions*. Cross-tabulations of selected survey questions by respondent characteristics are found in *Appendix C: Selected Survey Responses by Area of Residence* and *Appendix D: Selected Survey Responses by Respondent Characteristics*. For all cross-tabulations, ANOVA significance testing was used to identify statistical differences. An explanation of how statistical differences are noted (e.g., how to interpret the cross-tabulation tables) is included at the beginning of *Appendix C: Selected Survey Responses by Area of Residence* on page 43).

Survey Findings

Frequency of Different Modes of Transportation

Respondents were asked how often they used various forms of transportation within the City of Alexandria during the month prior to the survey. Walking and driving alone were each used at least once by about 9 in 10 respondents, though fewer than half reported using either mode on a daily basis. Among public transportation options, rail was the most frequently used: about 2 in 3 respondents used rail at least once in the previous 30 days, including one third who used it daily.

Residents of the West End and Central areas were less likely to walk and use the rail than residents living in other parts of Alexandria, while residents in Del Ray were more likely to bike. Hispanic residents were more likely than non-Hispanic to use DASH Bus, bikeshare, private bike, and carpool (see *Appendix D: Selected Survey Responses by Respondent Characteristics*).

Figure 1: Modes of Transportation’s Frequency of Use

In the past month, how many times, if ever, did you use any of these modes of transportation around Alexandria?

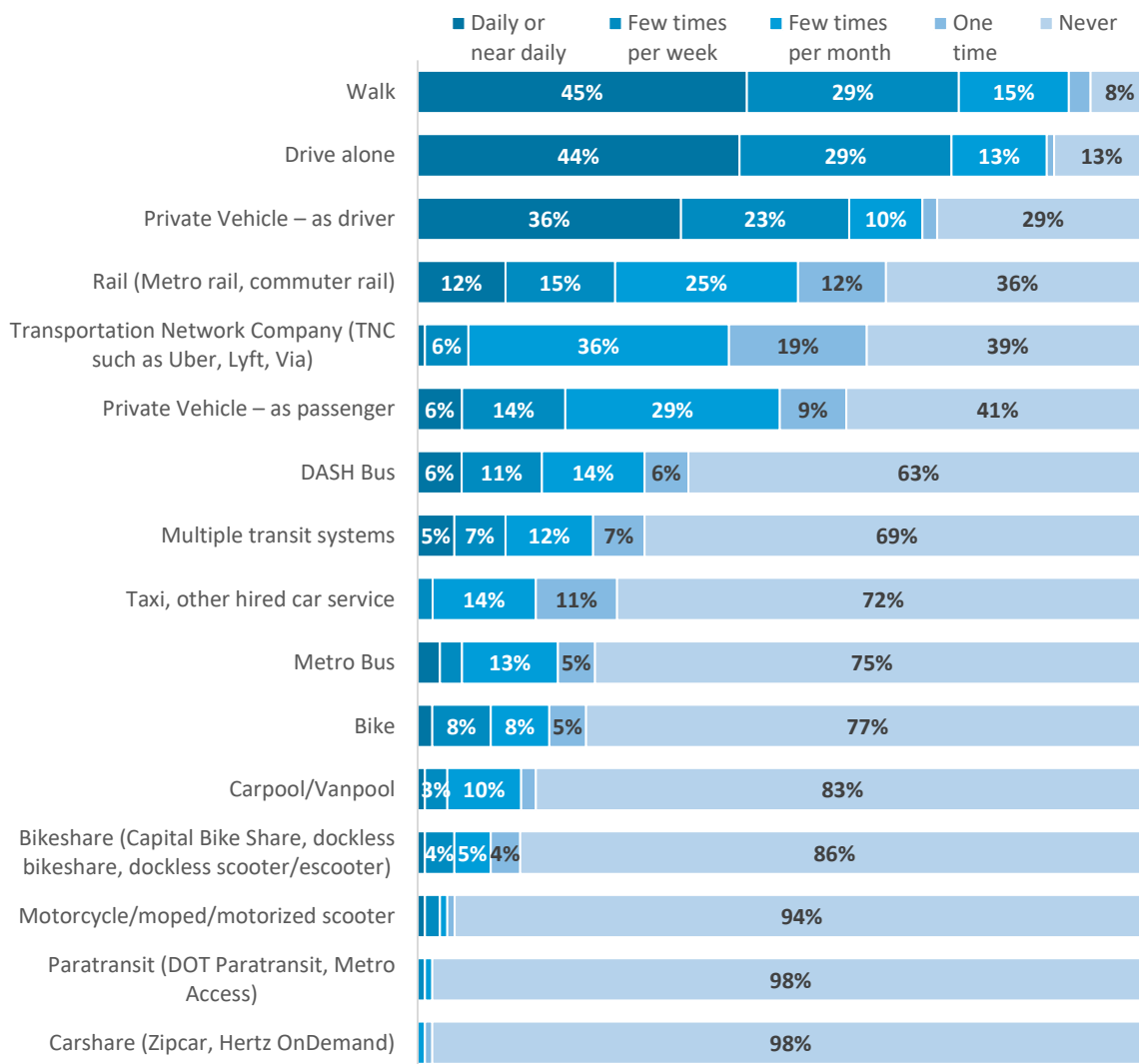


Figure 2: Modes of Transportation's Frequency of Use, 2021-2025

In the past month, how many times, if ever, did you use any of these modes of transportation around Alexandria?

(Percentage at least once)	2021	2023	2025
Walk	92%	91%	92%
Drive alone	89%	90%	87%
Private Vehicle – as driver	71%	67%	71%
Rail (Metrorail, commuter rail)	43%	61%	64%
Transportation Network Company (TNC such as Uber, Lyft, Via)	49%	60%	61%
Private Vehicle – as passenger	56%	58%	59%
DASH Bus	20%	33%	37%
Multiple transit systems	16%	27%	31%
Taxi, other hired car service	22%	31%	28%
Metro Bus	18%	26%	25%
Bike	26%	25%	23%
Carpool, Vanpool	13%	17%	17%
Bikeshare	12%	14%	14%
Motorcycle, moped, motorized scooter	2%	4%	6%
Carshare (Zipcar, Hertz OnDemand)	3%	3%	2%
Paratransit (DOT Paratransit, Metro Access)	.	2%	2%

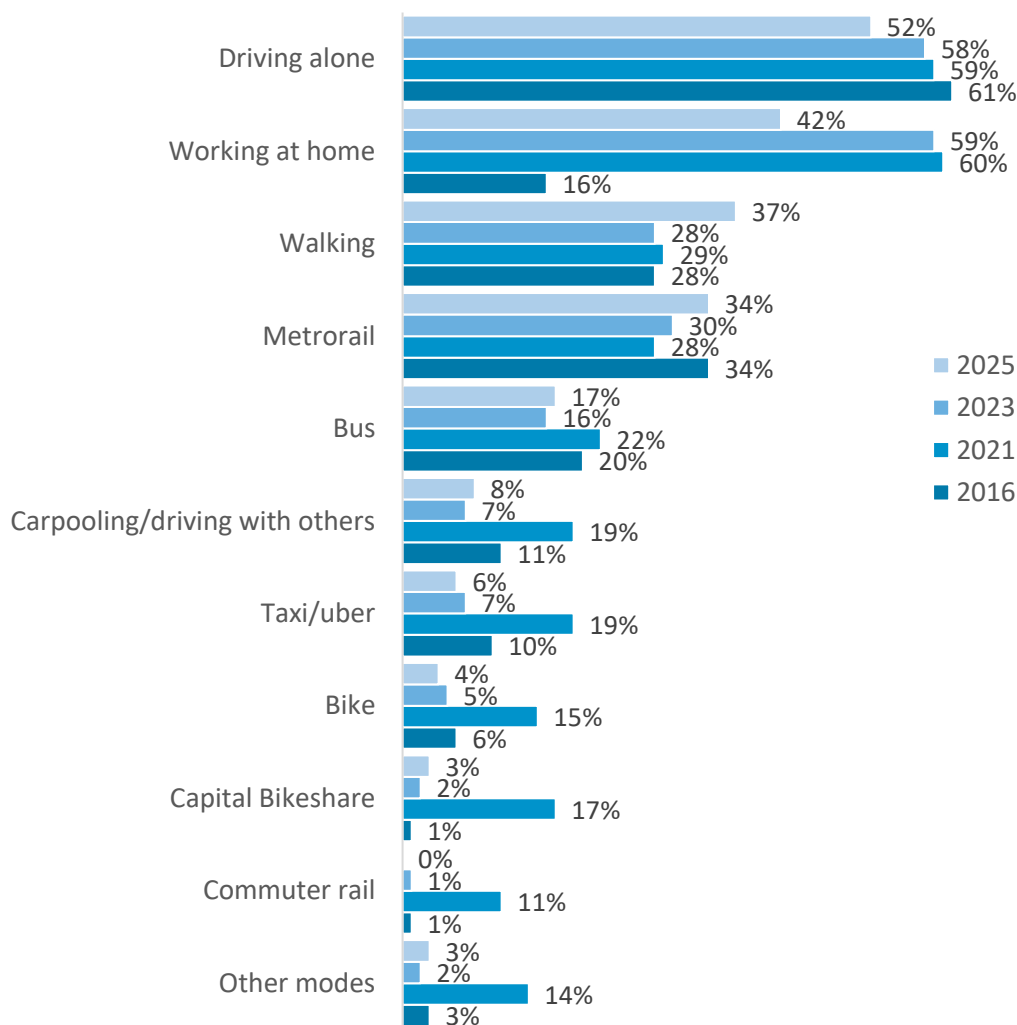
Modal Share of the Work Commute

About 8 in 10 respondents were employed full or part-time when they completed the survey (see *Appendix A: Complete Set of Responses*). These employed respondents were asked to record all the modes they used to get to work on each day of the week prior to completing the survey. This question was used to assess the modal share of the work commute.

In 2025, about 4 in 10 respondents worked from home at least once a week, representing a sharp decrease compared to 2021 (59%) and 2023 (60%). The proportion of employed respondents who drove alone at least once also declined slightly, from 58% in 2023 to 52% in 2025. The next most common commuting modes were walking, which showed a notable increase (from 28% in 2023 to the current 37%), and Metrorail, which recorded a modest increase, but remained largely stable (from 30% to 34%). Most other commuting modes also remained stable compared to the 2023 survey.

Figure 3: Use of Modes for Work Commute Trips
(Percent of employed respondents who made at least one work commute trip via each mode)

In the last week that you worked, please indicate all the mode(s) you used as part of how you got to work on each day (please select all that apply).

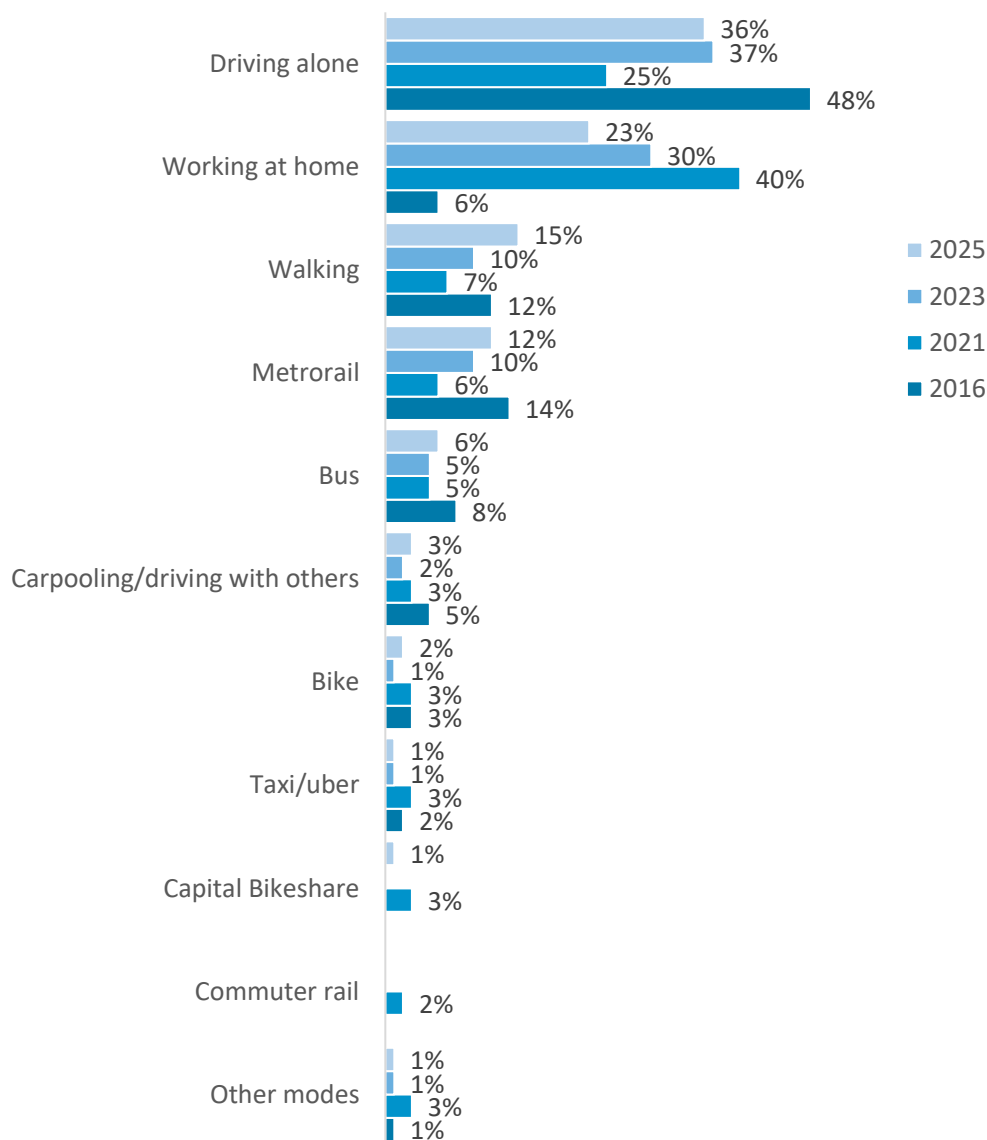


An alternative way of interpreting the mode share data from this question is to take the proportion of times a mode was used over the week for each person and to then average those proportions across all employed respondents. While Figure 3 shows a slight reduction in the proportion of people that commuted by driving alone at least once a week since 2023, the proportion of all the work commute trips that were done via driving alone remained stable.

On the other hand, it is also worth noting that the number of days worked from home per week decreased for the second consecutive time, which is consistent with the decline in the proportion of respondents working from home at least once a week (Figure 2 on the previous page).

Figure 4: Modal Share of Work Commute Trips

In the last week that you worked, please indicate all of the mode(s) you used as part of how you got to work on each day (please select all that apply).



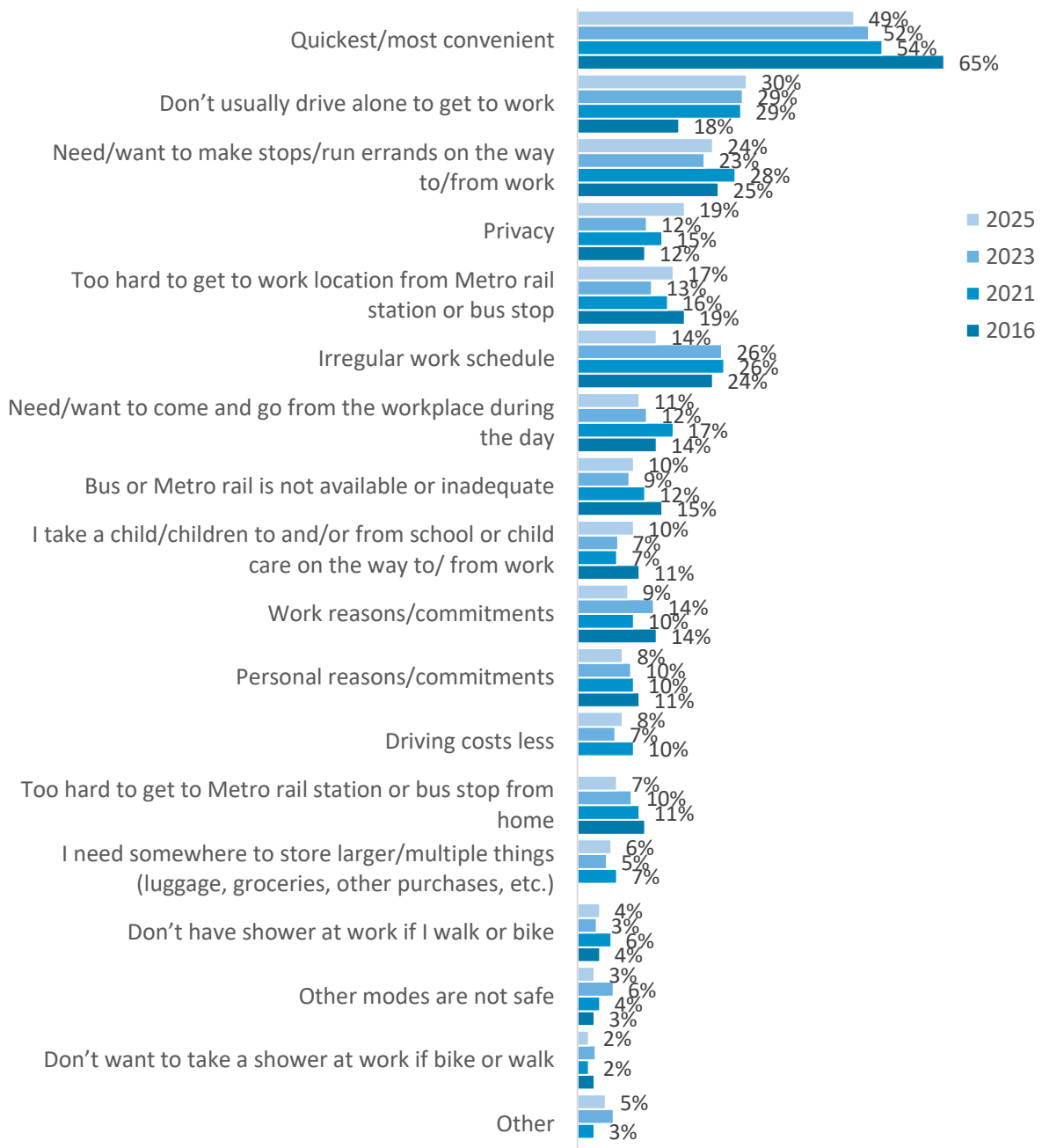
**Percents for a given year may not sum to exactly 100% due to rounding.*

Survey participants who most commonly commuted to work by driving alone were asked what factors influenced this choice. The most common response was that it was the quickest or most

convenient way to get to work (49% of those who answered the question), which has also been the top reason in recent years. The next most frequently cited motivations were the need to make stops along the way and privacy-related considerations. Respondents had the opportunity to write in a response in their own; those responses can be found in *Appendix B: Verbatim Answers to Open-Ended Questions*.

Figure 5: Motivations for Driving to Work

If you typically drive alone to get to work, which of the following are the main reasons?
(Please select all that apply.)



Mode Choices for Non-Commute Trips

All respondents were asked what forms of transportation they used for several different types of non-commuting destination trips, such as shopping at the grocery store, dining at a restaurant, or visiting friends or family. The figures below display the proportions of all respondents who indicated that they used each mode each particular type of trip.

Driving was by far the most popular choice for grocery store trips, non-grocery errands, visiting friends or family, and going to restaurants, with 60% or more of survey participants saying they made at least some of these trips by driving. About 50% of respondents said they walked for grocery and non-grocery errands as well as restaurants, while about 3 in 10 said they did so for visiting friends and family.

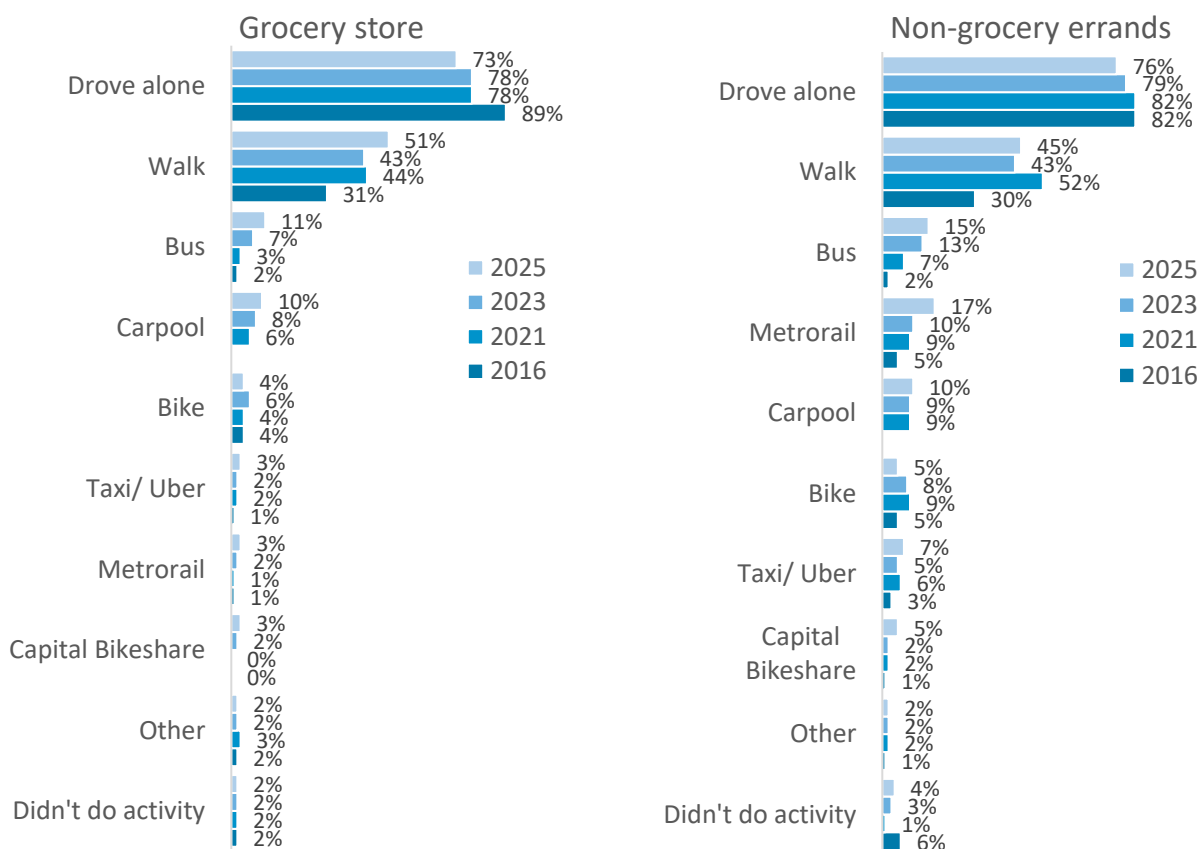
When choosing to visit parks or recreation centers or to engage in an activity for fun or fitness, over half of respondents said they walked for some of these trips, at rates similar to 2023. Finally, when participating in social activities not listed in the questionnaire, about 5 in 10 respondents declared that they drove alone, while one-fourth walked and another one in four used the Metrorail.

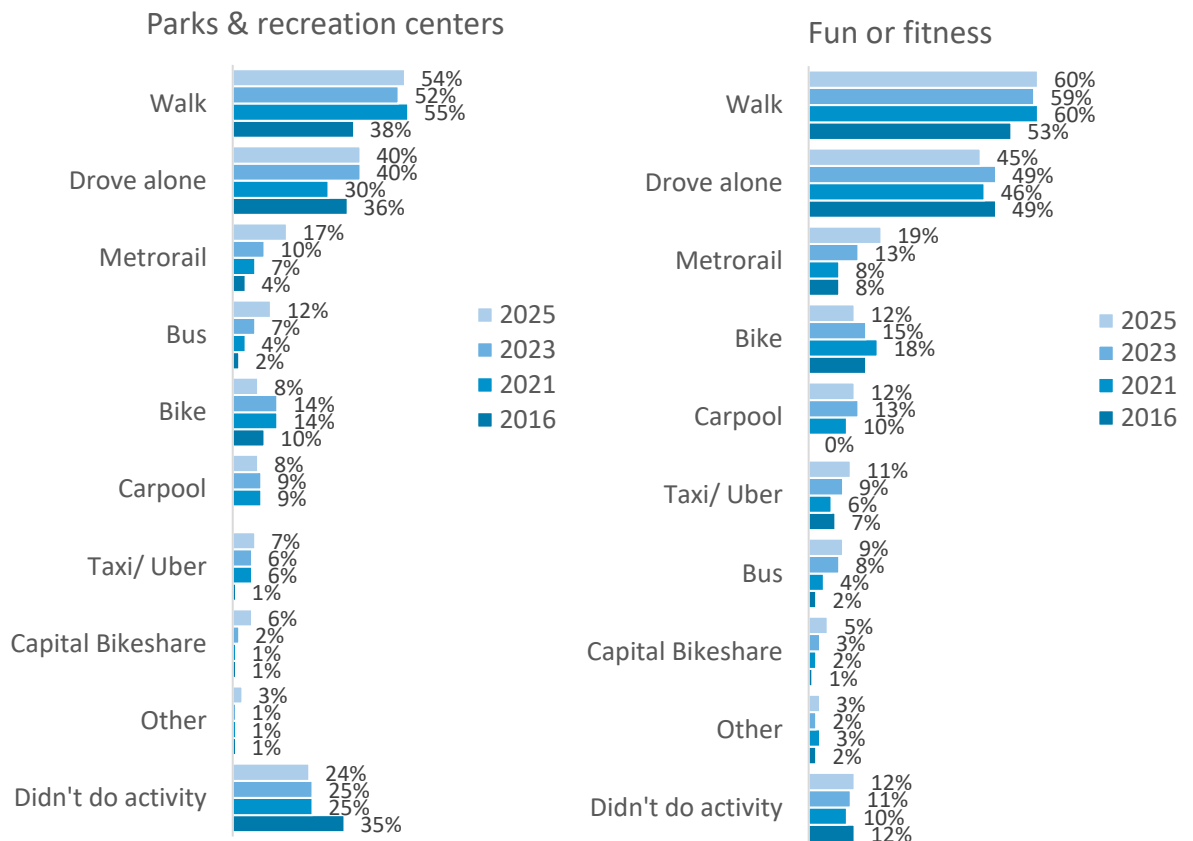
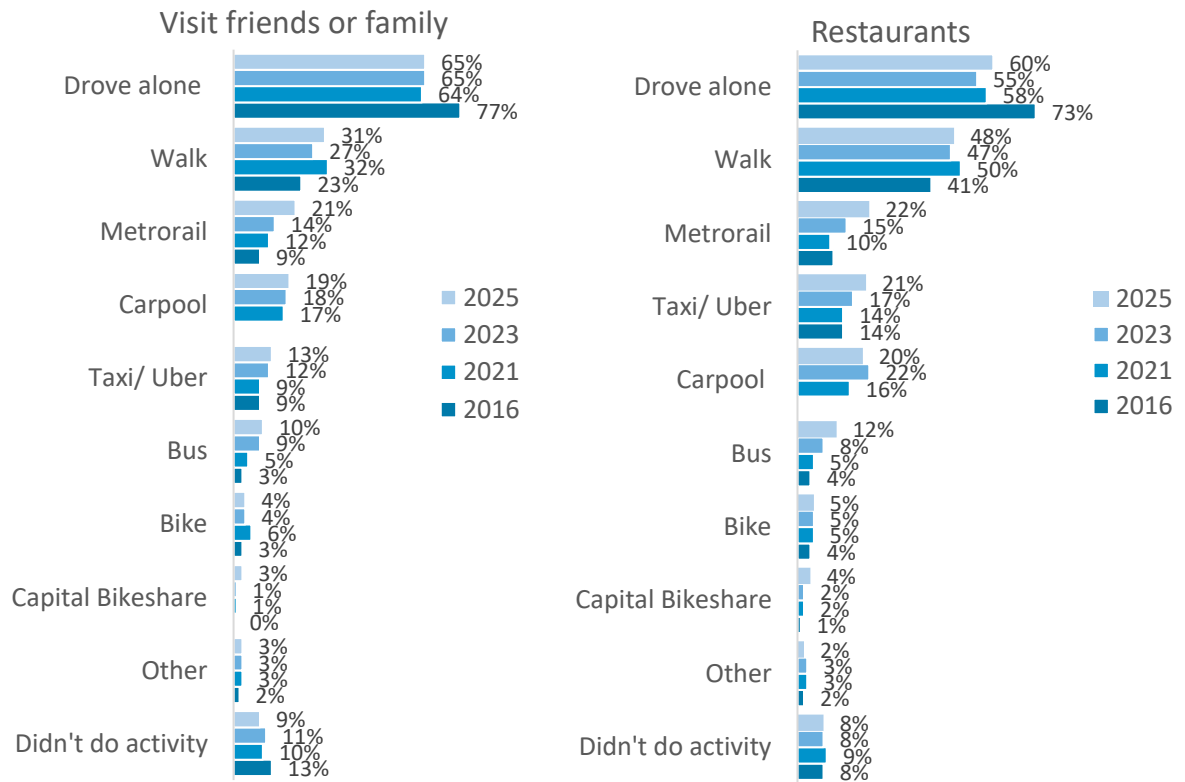
Bus was the third most commonly used transportation mode for grocery and non-grocery errands, while Metrorail ranked third for social activities.

Figure 6: Transportation Modes Used for Various Activities

In the last month, please indicate which mode(s) you used to complete or participate in each of the following. (Please select all that apply.)

Percent of respondents reporting using each mode for each activity



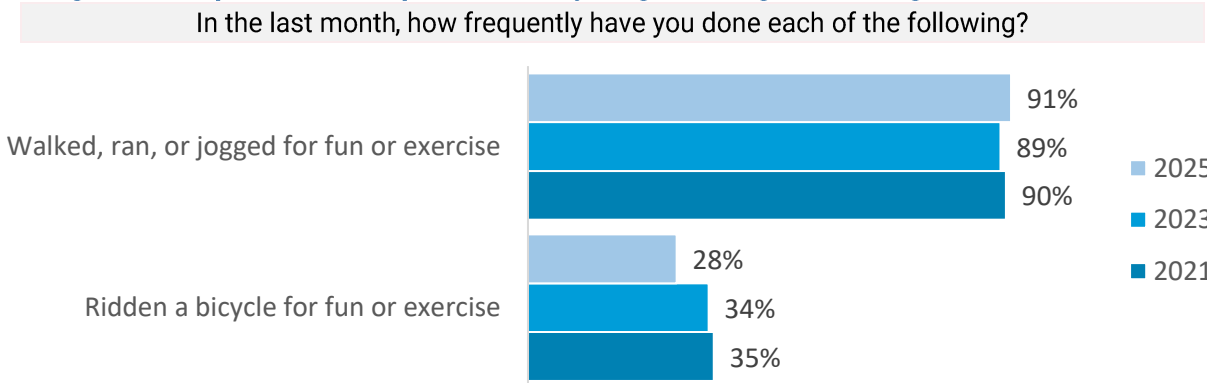


Active Transportation (Walking and Bicycling)

Several questions were included in the survey to assess residents' current use of active transportation modes (e.g., walking and bicycling) and to identify barriers to using specific forms of transportation.

As in previous years, a large majority of respondents had walked, run, or jogged for fun or exercise, while only about one-fourth had used a bicycle for fun or exercise, a proportion slightly lower than in previous survey iterations.

Figure 7: Proportion of Respondents Bicycling, Walking or Running for Fun or Exercise



Those living in the Central area were less likely to have walked, ran, or jogged for fun or exercise than residents in other parts of the City (see *Appendix C: Selected Survey Responses by Area of Residence*). In addition, younger and middle-aged adults, males, and White respondents were more likely than their counterparts to have ridden a bike for fun or exercise (see *Appendix D: Selected Survey Responses by Respondent Characteristics*).

Respondents were also asked what factors would increase their use of walking as a means of transportation. About three-fourths of respondents strongly or somewhat agreed that they would walk more often if there were more street lighting after dark, if walking did not take longer, if there were more off-street walking options such as multi-use trails or paths, and if they felt safer from traffic while walking. Meanwhile, roughly two-thirds of respondents strongly or somewhat agreed that they would walk more if sidewalks and paths were in better condition and if there were more sidewalks available.

Those in who lived in West End were more likely than others in Alexandria to say they would walk more if they felt safer from crime while walking (see Appendix C: *Selected Survey Responses by Area of Residence*).

Figure 8: What Might Increase Walking for Transportation

To what extent do you agree or disagree that each of the following would increase your use of walking as a means of transportation:

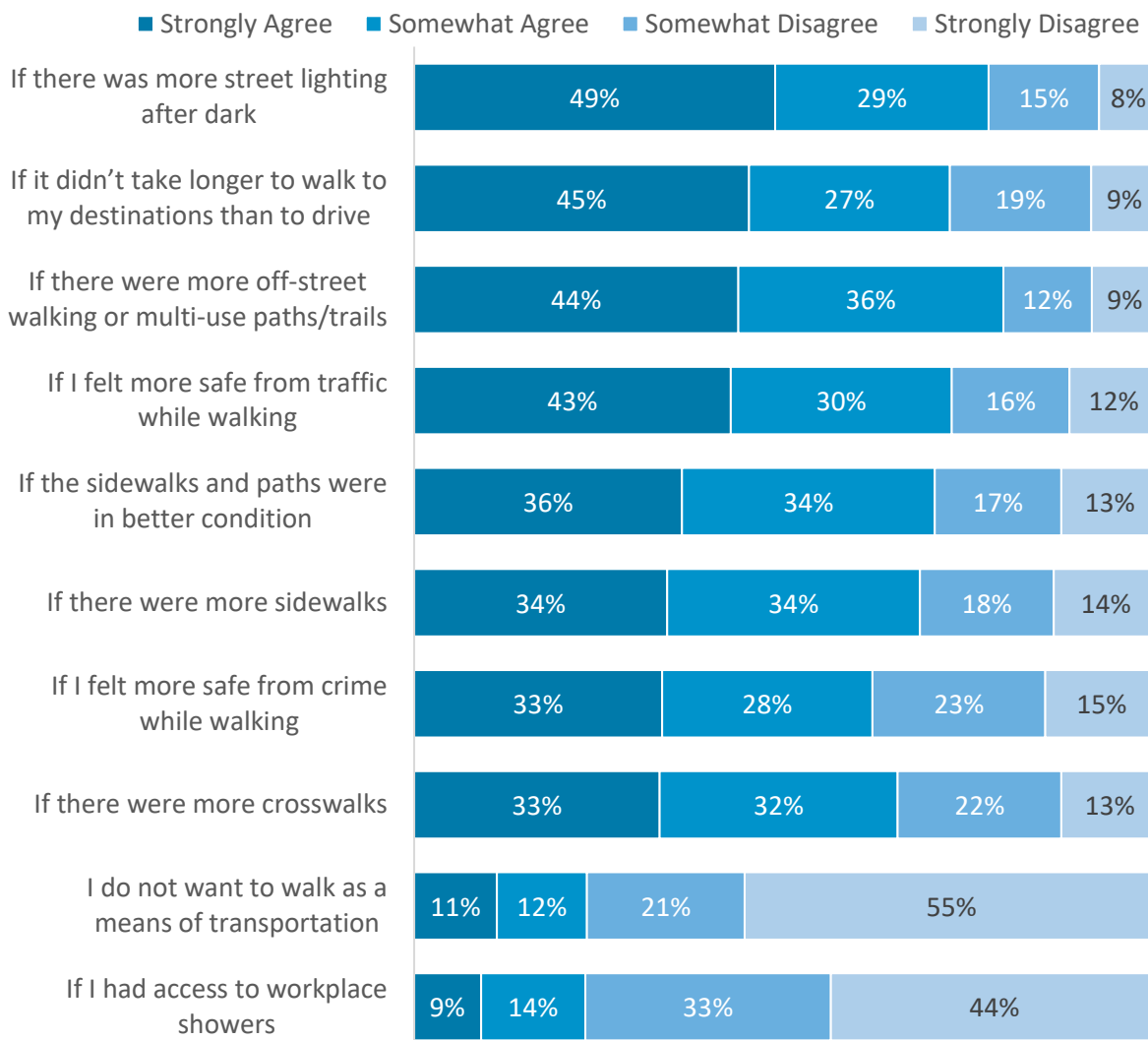


Figure 9: What Might Increase Walking for Transportation, 2016-2025

To what extent do you agree or disagree that each of the following would increase your use of walking as a means of transportation:

(Percentage Strongly or Somewhat agree)	2016	2021	2023	2025
If there was more off-street walking or multi-use paths, trails	65%	72%	73%	79%
If there was more street lighting after dark	73%	76%	75%	77%
If It didn't take longer to walk to my destinations than to drive	54%	60%	64%	72%
If I felt more safe from traffic while walking	58%	64%	63%	73%
If the sidewalks and paths were in better condition	57%	68%	69%	70%
If there were more sidewalks	57%	68%	67%	68%
If there were more crosswalks	55%	65%	63%	65%
If I felt more safe from crime while walking	52%	54%	58%	61%
If I had access to public or workplace showers	27%	31%	27%	23%
I do not want to walk as a means of transportation	29%	27%	26%	23%

Additionally, about 7 in 10 respondents said they would bike more if they felt safer from traffic, while 6 in 10 said the same if there were more off-street multi-use paths and trails. Another 6 in 10 respondents indicated they would bike more frequently if there were secure places to park their bicycles at destinations or if there were more street lighting after dark.

On the other hand, about half of residents (46%) said they did not want to use a bicycle as a means of transportation. The proportion of residents who did not want to bicycle was lower among those aged 18–34 and among men compared with older residents and women. Younger residents and men were also more likely than their counterparts to identify multiple barriers to using a bicycle for transportation (see *Appendix D: Selected Survey Responses by Respondent Characteristics*).

Figure 10: What Might Increase Bicycling for Transportation

To what extent do you agree or disagree that each of the following would increase your use of a bicycle as a means of transportation:

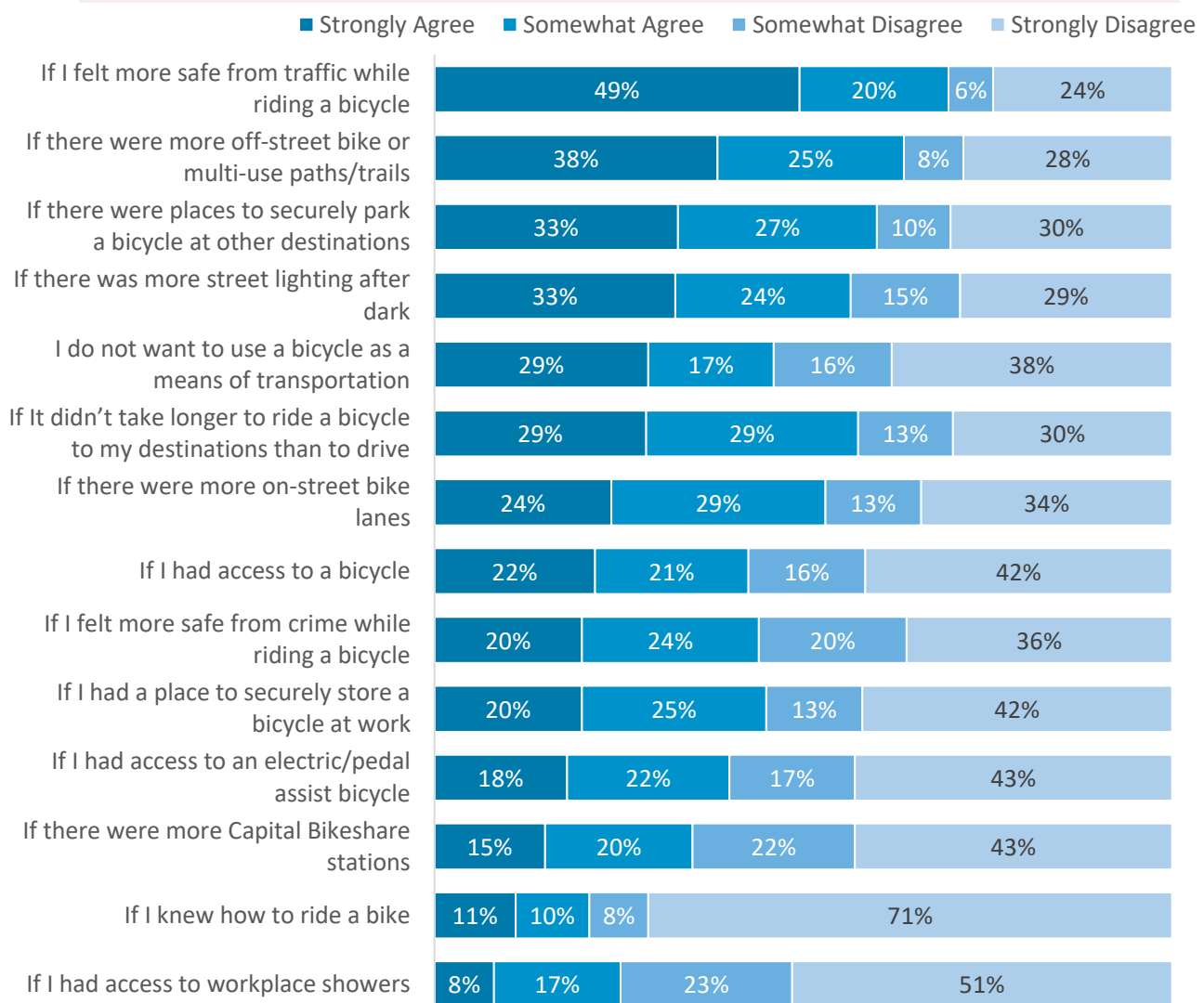


Figure 11: What Might Increase Bicycling for Transportation, 2016-2025

To what extent do you agree or disagree that each of the following would increase your use of a bicycle as a means of transportation:

(Percentage Strongly or Somewhat agree)	2016	2021	2023	2025
I felt more safe from traffic while riding a bicycle	61%	67%	57%	69%
There was more off-street bike or multi-use paths, trails	65%	66%	62%	63%
There were places to securely park a bicycle at other destinations	56%	61%	59%	60%
It didn't take longer to ride a bicycle to my destinations than to drive	44%	48%	48%	58%
There was more street lighting after dark	59%	63%	58%	57%
There were more on-street bike lanes	55%	56%	51%	53%
I do not want to use a bicycle as a means of transportation	43%	45%	50%	46%
I had a place to securely store a bicycle at work	42%	46%	44%	45%
I felt more safe from crime while riding a bicycle	36%	37%	36%	44%
I had access to a bicycle	36%	45%	40%	42%
I had access to an electric/pedal assist bicycle	.	33%	37%	41%
If there were more Capital Bikeshare stations	25%	30%	29%	36%
I had access to public or workplace showers	30%	35%	31%	26%
I knew how to ride a bike	15%	17%	18%	21%

Public Transportation

When asked what might increase their use of public transportation, survey participants said that time and convenience were the biggest barriers, with crime, cost, comfort, and child accommodations as lesser concerns.

Between 70% and 80% of respondents strongly or somewhat agreed that they might use public transportation if the travel time was less than using a personal vehicle, if there were more direct routes, if the routes stopped closer to their desired destinations, or if services were more frequent and reliable. About half the respondents reported that feeling safe from crime at a station/while riding public transportation and having less expensive services would make them more likely to use it.

Hispanic residents tended to rate safety and children’s free tickets as higher incentives to use public transportation than non-Hispanic residents (see *Appendix C: Selected Survey Responses by Area of Residence*).

Figure 12: What Might Increase Use of Public Transportation

To what extent do you agree or disagree that each of the following would increase your use of public transportation (bus or metro) as a means of transportation:

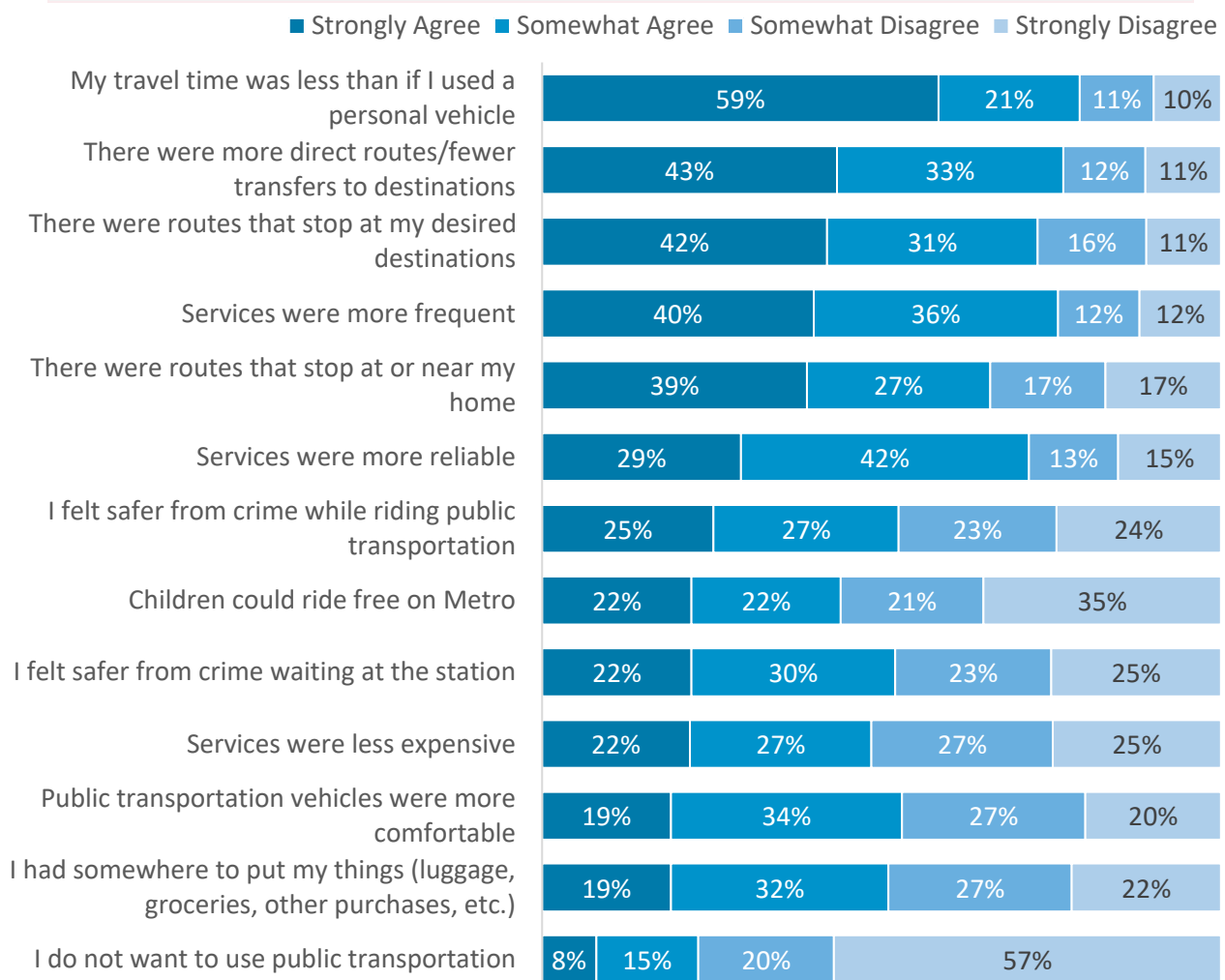


Figure 13: What Might Increase Use of Public Transportation, 2016-2025

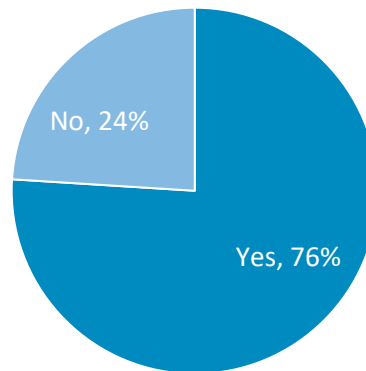
To what extent do you agree or disagree that each of the following would increase your use of public transportation (bus or metro) as a means of transportation:

(Percentage Strongly or Somewhat agree)	2016	2021	2023	2025
My travel time were less than if I used a personal vehicle	85%	83%	78%	80%
There were more direct routes/fewer transfers to destinations	78%	78%	79%	77%
Services were more frequent	81%	77%	76%	76%
There were routes that stop at my desired destinations	74%	78%	76%	74%
Services were more reliable	80%	75%	74%	72%
There were routes that stop at or near my home	69%	76%	72%	66%
I felt safer from crime while riding public transportation	46%	51%	54%	52%
I felt safer from crime waiting at the station	48%	53%	55%	52%
Public transportation vehicles were more comfortable	27%	26%	44%	52%
I had somewhere to put my things (luggage, groceries, other purchases, etc.)	.	52%	51%	51%
Services were less expensive	62%	55%	54%	48%
Children could ride free on Metro	.	42%	40%	44%
I do not want to use public transportation	.	32%	26%	23%

In a new question added in 2025, residents were asked about the DASH bus service's fare-free policy. About three-fourths of residents reported being aware that all DASH buses in Alexandria are free to ride, indicating a high level of familiarity with the City's fare-free transit policy.

Figure 14: Awareness of Free DASH Bus Service

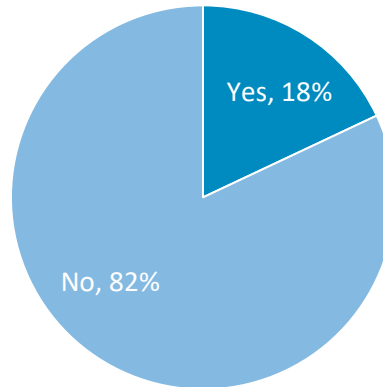
Did you know that all DASH buses in Alexandria are free to ride?



Conversely, less than 2 in 10 respondents reported having heard of GO Alex, the City's program that helps people find transportation options. The low level of awareness suggests that GO Alex has not yet achieved broad visibility among residents and may benefit from additional outreach and promotion.

Figure 15: Awareness of GO Alex Program

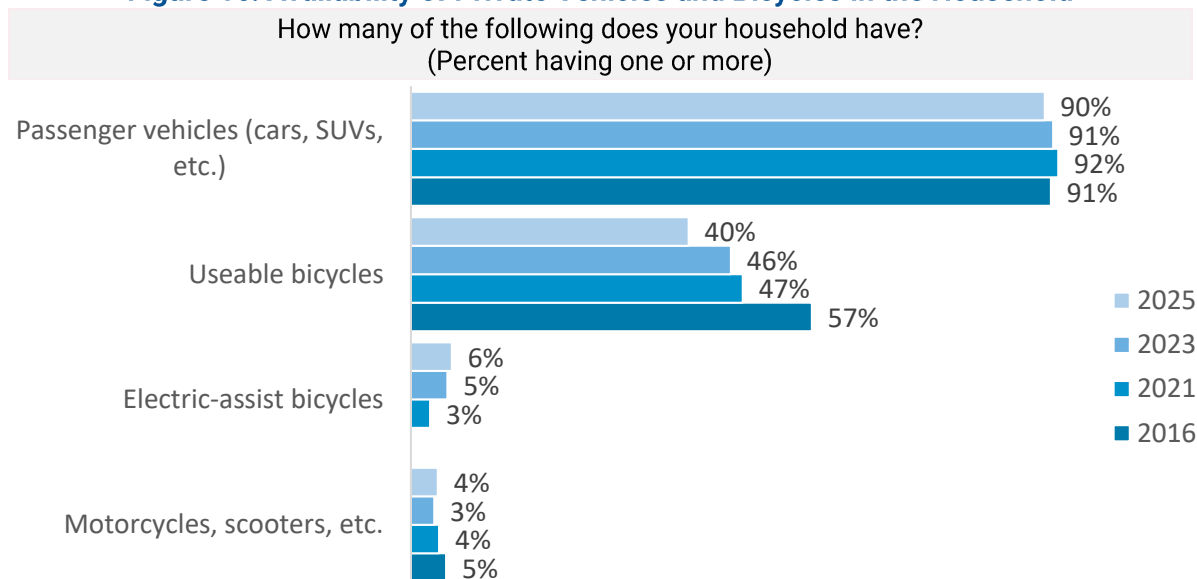
Have you heard of GO Alex, the City's program that helps people find transportation options?



Factors Influencing Mode Choices

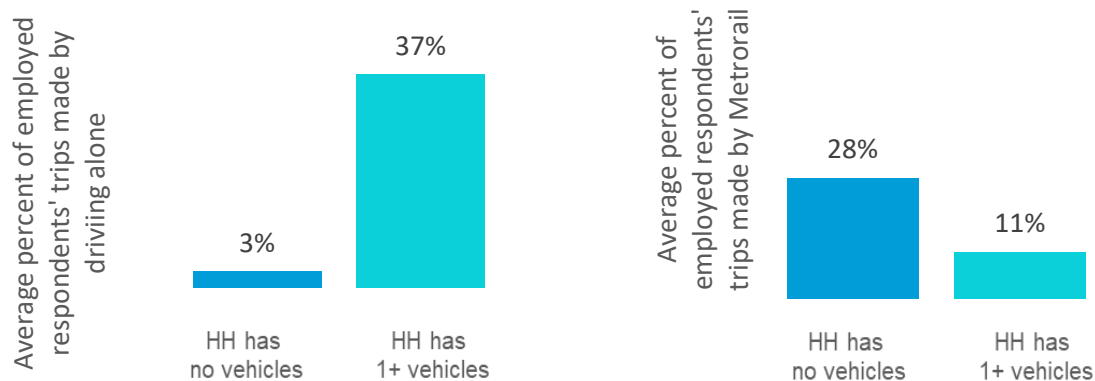
Respondents were asked whether they, or anyone in their household, owned passenger vehicles, bicycles, motorcycles, or electric-assist bicycles. About 9 in 10 respondent households had access to one or more automobiles, while roughly 4 in 10 had access to one or more usable bicycles, slightly down from 2023. Only 4% of households reported having a motorcycle or scooter, and 6% reported owning an electric-assist bicycle.

Figure 16: Availability of Private Vehicles and Bicycles in the Household



As shown in Figure 17, lack of access to a motor vehicle among employed respondents was associated with a lower proportion of work commute trips being made by driving alone, and a higher proportion of trips made by Metrorail.

Figure 17: Average percent of employed respondents' work trips made by driving alone and Metrorail by possession of vehicles



The figures below show the proportion of respondents who reported making trips to non-commute destinations by driving, bicycling, or using Metrorail, broken down by respondent characteristics.

Respondents living in households without motor vehicles were far less likely to drive for these trips (4%) compared with those in households with automobiles (90%). Conversely, respondents in households without motor vehicles were more likely to use Metrorail (69%) than those in households with automobiles (44%). Similarly, 32% of respondents in households with one or more bicycles reported using a bicycle for non-work trips, compared with just 3% of those without access to a bike

Figure 18: Percent of respondents who drive for at least some non-commute destination trips by respondent characteristics

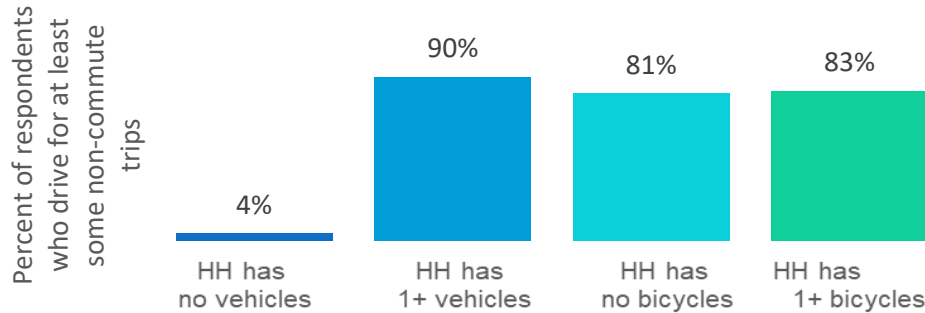


Figure 19: Percent of respondents who use Metrorail for at least some non-commute destination trips by respondent characteristics

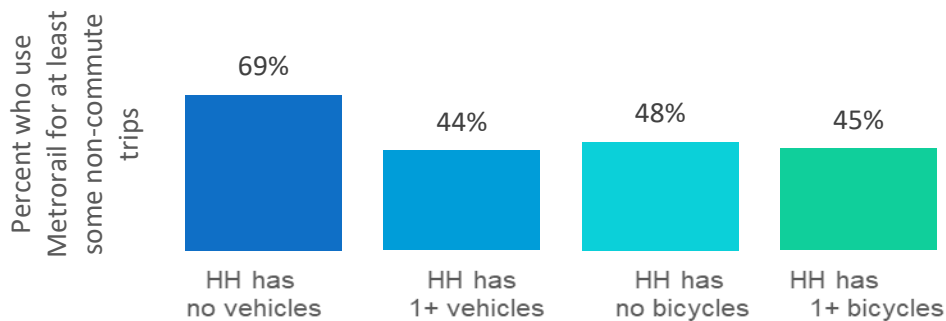
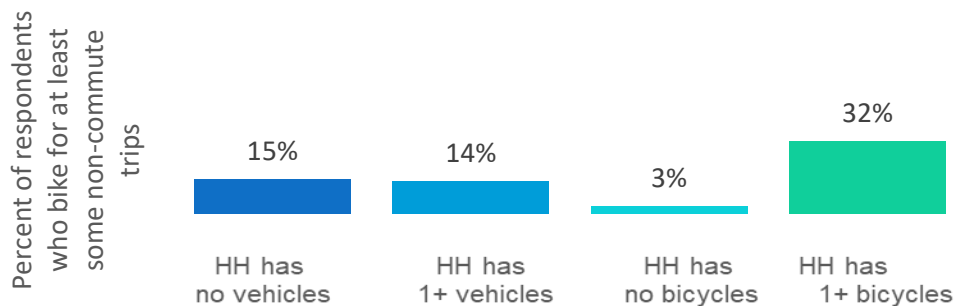


Figure 20: Percent of respondents who bike for at least some non-commute destination trips by respondent characteristics



Transportation of School-Aged Children

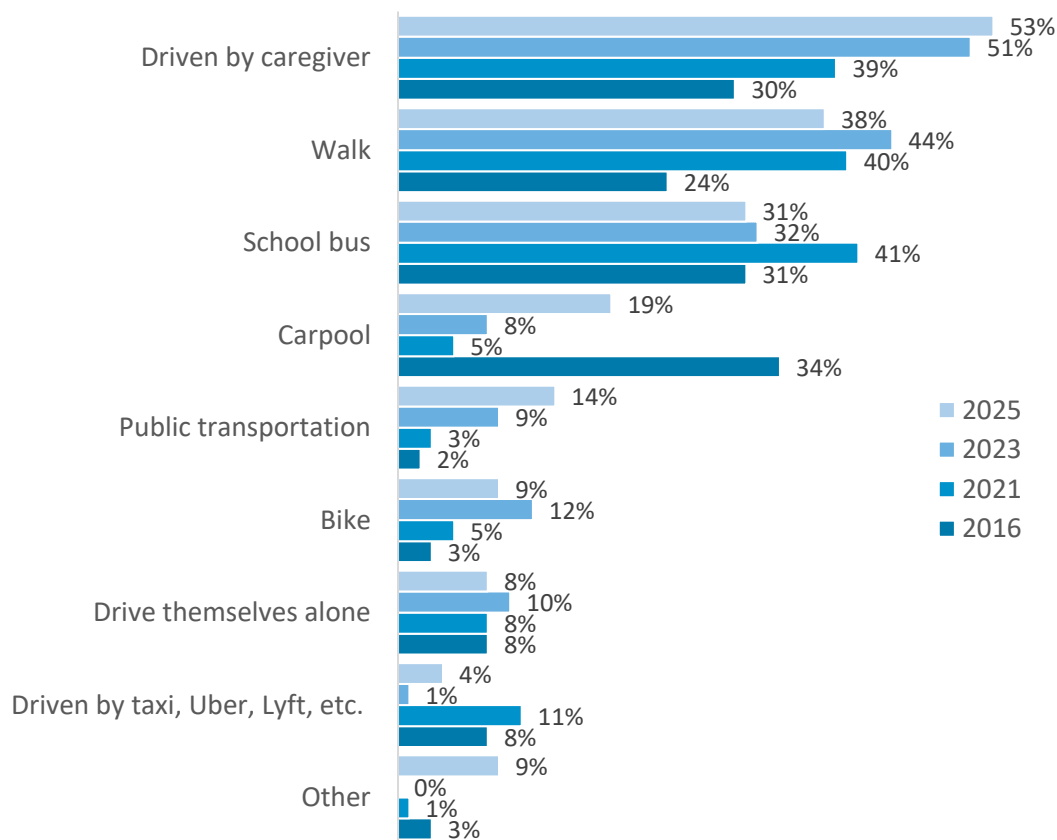
A set of questions on the survey addressed school commute modes for children. Respondents who had children were asked what modes of transportation were used by their children to get to and from school. As with work commutes, respondents could choose more than one mode, which may indicate that a child gets to school using various modes of transportation or, in households with more than one child, that different children use different modes.

About half of respondents with children indicated that their child or children were driven to school by a caregiver, unchanged from 2023. Meanwhile, 38% of respondents said their child or children walked to school, down from 44% in 2023. Use of school buses remained mostly unchanged at 31%, while use of public transportation slightly increased from 9% in 2023 to 14% in the current survey. Carpooling showed a significant increase, rising from 8% in 2023 to 19%. Finally, about 10% reported that their child was driven by a ride-hailing service or drove themselves, while another 10% said their child biked to school.

Black and multi-racial respondents were more likely than white respondents to say their children carpoled while Hispanic respondents were more prone to say their children use public transportation (see *Appendix D: Selected Survey Responses by Respondent Characteristics*).

Figure 21: Modes of Transportation for Children Traveling To/From School

Please indicate how your child(ren) typically travel to/from school? (Please select all that apply) *



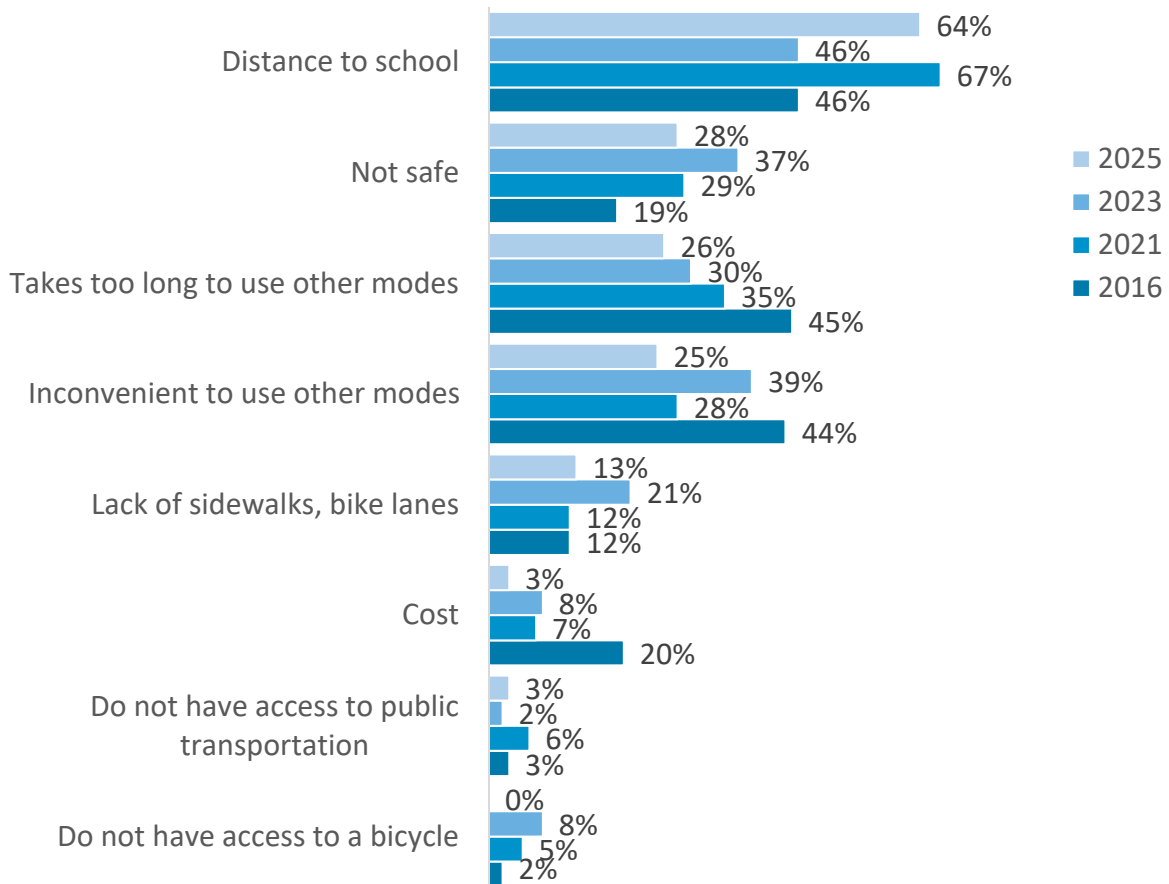
*Percents may add to more than 100% as respondents could choose more than one travel mode.

** The responses of those who wrote something in the “other” space can be found in Appendix B: Verbatim Answers to Open-Ended Questions.

Parents were asked about barriers to using modes other than driving for their children’s school transportation. Distance to the school, safety, the time needed to use non-driving modes, and inconvenience of using other modes were the most frequently cited reasons for not using alternatives to driving. Inconvenience became a lesser barrier in the last two years, while distance became a greater barrier compared to 2023.

Figure 22: Barriers to Using Modes Other Than Driving for Children’s School Transportation

If your children are driven to school or drive themselves, please indicate which, if any, of the following factors discourage you from using other modes of transportation for your child(ren) to/from school (Select all that apply):



*Percents may add to more than 100% as respondents could choose more than one travel mode.

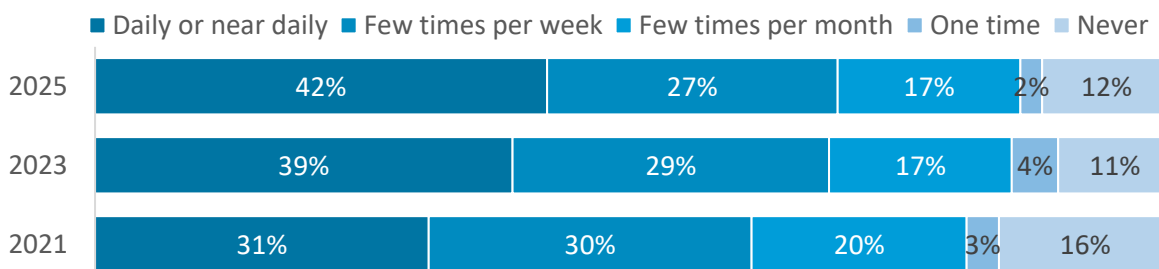
** The responses of those who wrote something in the “other” space can be found in Appendix B: Verbatim Answers to Open-Ended Questions

Traveling Tools and Amenities

Figure 23 shows how frequently residents used GPS applications to determine their routes. About 70% of residents reported using them at least a few times a week, and only 12% said they had never used such applications. The proportion of residents who use these tools on a daily basis has been steadily increasing since 2021. As in previous iterations, residents aged 54 or younger used GPS apps more frequently than those aged 55 or older (see *Appendix D: Selected Survey Responses by Respondent Characteristics*).

Figure 23: Traveling Tools to Assist Drivers

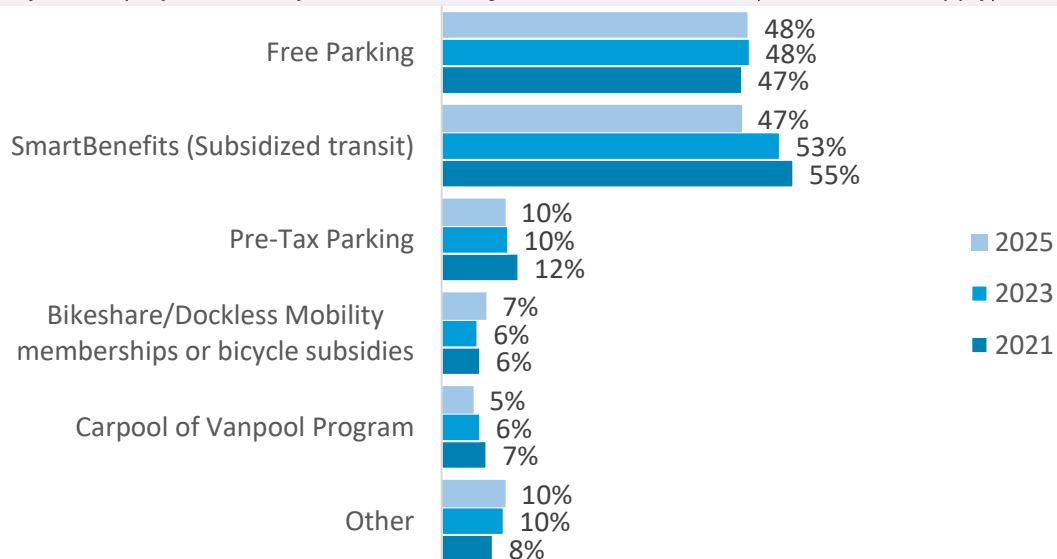
In the past month, how often did you use a GPS app like Google Maps or Waze to help determine your route to avoid traffic?



About half of employed residents received free parking or SmartBenefits (subsidized transit), while 10% or fewer received any of the other employer-provided commuter benefits listed in the survey. These figures are consistent with the results from 2023.

Figure 24: Employer Traveling Benefits

Does your employer offer any of the following commuter benefits? (Select all that apply)



*Percents add to more than 100% as respondents could choose more than one response.

Appendix A: Complete Set of Responses for the Address-based Sample Survey

The following pages contain a complete set of responses to each question on the survey.

Table 1: Question #1

What is your employment status?	Percent	Number
Employed full- or part-time	80%	N=481
Not employed, not looking for work (retired, stay-at-home parent, etc.)	15%	N=90
Currently not employed	5%	N=31
Total	100%	N=601

Table 2: Work Commute Mode Share

Work Commute Mode Share	Average percent of work trips	Number
Average percent of work trips made by walking	15%	N=617
Average percent of work trips made by bike	2%	N=617
Average percent of work trips made by Capital Bikeshare	1%	N=617
Average percent of work trips made by bus	6%	N=617
Average percent of work trips made by driving alone	36%	N=617
Average percent of work trips made by carpooling/driving with others	3%	N=617
Average percent of work trips made Metrorail	12%	N=617
Average percent of work trips made taxi/uber	1%	N=617
Average percent of work trips made by VRE commuter rail	0%	N=617
Average percent of work trips replaced by working at home	23%	N=617
Average percent of work trips made by other modes	1%	N=617

Table 3: Commute Trips by Employed Respondents via Each Mode in Previous Week

Percent of Employed Respondents Who Made At least One Work Commute Trip via Each Mode in Previous Week	Percent	Number
Percent making any work trips in last week by walking	37%	N=617
Percent making any work trips in last week by bike	4%	N=617
Percent making any work trips in last week by Capital Bikeshare	3%	N=617
Percent making any work trips in last week by bus	17%	N=617
Percent making any work trips in last week by driving alone	52%	N=617
Percent making any work trips in last week by carpooling/driving with others	8%	N=617
Percent making any work trips in last week by Metrorail	34%	N=617
Percent making any work trips in last week by taxi/uber	6%	N=617
Percent making any work trips in last week by VRE commuter rail	0%	N=617
Percent working at home at least once	42%	N=617
Percent making any work trips in last week by other modes	3%	N=617

Table 4: Commute Trips by Employed Respondents via Transit in Previous Week

Percent of Employed Respondents Who Made at Least One Work Commute Trip via Transit in Previous Week	Percent of respondents	Number
Took transit (bus, Metrorail and/or VRE commuter rail) any day in previous week	38%	N=617
Took transit AND walked on same day on any day in previous week	27%	N=617
Took transit AND biked on same day on any day in previous week	1%	N=617

Table 5: Question #2

Monday (Percent of respondents who used each mode)	Percent of respondents	Number
Walk	28%	N=617
Bike	2%	N=617
Capital Bikeshare	2%	N=617
Bus	13%	N=617
Drove alone	39%	N=617
Carpool (drove or rode in a car with others)	4%	N=617
Metrorail	20%	N=617
Taxi/ Uber	1%	N=617
VRE commuter rail	0%	N=617
Worked at home	27%	N=617
I did not work	3%	N=617
Other	1%	N=617

Table 6: Question #2

Tuesday (Percent of respondents who used each mode)	Percent of respondents	Number
Walk	27%	N=617
Bike	2%	N=617
Capital Bikeshare	2%	N=617
Bus	12%	N=617
Drove alone	42%	N=617
Carpool (drove or rode in a car with others)	4%	N=617
Metrorail	22%	N=617
Taxi/ Uber	2%	N=617
VRE commuter rail	0%	N=617
Worked at home	23%	N=617
I did not work	2%	N=617
Other	1%	N=617

Table 7: Question #2

Wednesday (Percent of respondents who used each mode)	Percent of respondents	Number
Walk	28%	N=617
Bike	3%	N=617
Capital Bikeshare	2%	N=617
Bus	11%	N=617
Drove alone	39%	N=617
Carpool (drove or rode in a car with others)	4%	N=617
Metrorail	23%	N=617
Taxi/ Uber	2%	N=617
VRE commuter rail	0%	N=617
Worked at home	23%	N=617
I did not work	2%	N=617
Other	1%	N=617

Table 8: Question #2

Thursday (Percent of respondents who used each mode)	Percent of respondents	Number
Walk	28%	N=617
Bike	2%	N=617
Capital Bikeshare	2%	N=617
Bus	12%	N=617
Drove alone	36%	N=617
Carpool (drove or rode in a car with others)	3%	N=617
Metrorail	24%	N=617
Taxi/ Uber	2%	N=617
VRE commuter rail	0%	N=617
Worked at home	24%	N=617
I did not work	6%	N=617
Other	1%	N=617

Table 9: Question #2

Friday (Percent of respondents who used each mode)	Percent of respondents	Number
Walk	25%	N=617
Bike	2%	N=617
Capital Bikeshare	2%	N=617
Bus	10%	N=617
Drove alone	32%	N=617
Carpool (drove or rode in a car with others)	3%	N=617
Metrorail	18%	N=617
Taxi/ Uber	2%	N=617
VRE commuter rail	0%	N=617
Worked at home	35%	N=617
I did not work	7%	N=617
Other	1%	N=617

Table 10: Question #2

Saturday (Percent of respondents who used each mode)	Percent of respondents	Number
Walk	8%	N=617
Bike	1%	N=617
Capital Bikeshare	1%	N=617
Bus	4%	N=617
Drove alone	13%	N=617
Carpool (drove or rode in a car with others)	2%	N=617
Metrorail	3%	N=617
Taxi/ Uber	1%	N=617
VRE commuter rail	0%	N=617
Worked at home	3%	N=617
I did not work	67%	N=617
Other	0%	N=617

Table 11: Question #2

Sunday (Percent of respondents who used each mode)	Percent of respondents	Number
Walk	6%	N=617
Bike	1%	N=617
Capital Bikeshare	1%	N=617
Bus	2%	N=617
Drove alone	9%	N=617
Carpool (drove or rode in a car with others)	2%	N=617
Metrorail	3%	N=617
Taxi/ Uber	0%	N=617
VRE commuter rail	0%	N=617
Worked at home	2%	N=617
I did not work	70%	N=617
Other	1%	N=617

Table 12: Question #3

Does your employer offer any of the following commuter benefits? (Select all that apply.)*	Percent of respondents	Number
Free Parking	48%	N=189
SmartBenefits (Subsidized transit)	47%	N=186
Pre-Tax Parking	10%	N=38
Other	10%	N=38
Bikeshare/Dockless Mobility memberships or bicycle subsidies	7%	N=27
Carpool or Vanpool Program	5%	N=21

Table 13: Question #4

If you most often drive to get to work, which of the following are the main reasons? (Please select all that apply.)*	Percent of respondents	Number
Quickest/most convenient	49%	N=209
Don't usually drive alone to get to work	30%	N=130
Need/want to make stops/run errands on the way to/from work	24%	N=102
Privacy	19%	N=79
Too hard to get to work location from Metrorail station or bus stop	17%	N=74
Irregular work schedule	14%	N=61
Need/want to come and go from the workplace during the day	11%	N=48
I take a child/children to and/or from school or child care on the way to/ from work	10%	N=42
Bus or Metrorail is not available or inadequate	10%	N=42
Work reasons/commitments	9%	N=41
Driving costs less	8%	N=36
Personal reasons/commitments	8%	N=33
Too hard to get to Metrorail station or bus stop from home	7%	N=31
I need somewhere to store larger/multiple things (luggage, groceries, other purchases, etc.)	6%	N=27
Other:	5%	N=20
Don't have shower at work if I walk or bike	4%	N=16
Other modes are not safe	3%	N=13
Don't want to take a shower at work if bike or walk	2%	N=9

Table 14: Travel Mode for 7 Kinds of Trips

Percent of respondents using each mode to complete any of 7 kinds of trips (parks & recreation centers, grocery store, non-grocery errands, restaurants, fun or fitness, visit friends or family, other social activities)	Percent of respondents	Number
Percent who ever walk	79%	N=617
Percent who ever bike	15%	N=617
Percent who ever use Capital Bikeshare	9%	N=617
Percent who ever bus	25%	N=617
Percent who ever drive	82%	N=617
Percent who ever carpool	31%	N=617
Percent who ever use Metrorail	46%	N=617
Percent who ever use a taxi/uber	35%	N=617
Percent who ever do something else	8%	N=617

Table 15: Question #5

Parks & recreation centers	Percent of respondents	Number
I did not do this activity	24%	N=617
Walk	54%	N=617
Bike	8%	N=617
Capital Bikeshare	6%	N=617
Bus	12%	N=617
Drove alone	40%	N=617
Carpool	8%	N=617
Metrorail	17%	N=617
Taxi/ Uber	7%	N=617
Other	3%	N=617

Table 16: Question #5

Grocery store	Percent of respondents	Number
I did not do this activity	2%	N=617
Walk	51%	N=617
Bike	4%	N=617
Capital Bikeshare	3%	N=617
Bus	11%	N=617
Drove alone	73%	N=617
Carpool	10%	N=617
Metrorail	3%	N=617
Taxi/ Uber	3%	N=617
Other	2%	N=617

Table 17: Question #5

Non-grocery errands	Percent of respondents	Number
I did not do this activity	4%	N=617
Walk	45%	N=617
Bike	5%	N=617
Capital Bikeshare	5%	N=617
Bus	15%	N=617
Drove alone	76%	N=617
Carpool	10%	N=617
Metrorail	17%	N=617
Taxi/ Uber	7%	N=617
Other	2%	N=617

Table 18: Question #5

Restaurants	Percent of respondents	Number
I did not do this activity	8%	N=617
Walk	48%	N=617
Bike	5%	N=617
Capital Bikeshare	4%	N=617
Bus	12%	N=617
Drove alone	60%	N=617
Carpool	20%	N=617
Metrorail	22%	N=617
Taxi/ Uber	21%	N=617
Other	2%	N=617

Table 19: Question #5

Fun or fitness	Percent of respondents	Number
I did not do this activity	12%	N=617
Walk	60%	N=617
Bike	12%	N=617
Capital Bikeshare	5%	N=617
Bus	9%	N=617
Drove alone	45%	N=617
Carpool	12%	N=617
Metrorail	19%	N=617
Taxi/ Uber	11%	N=617
Other	3%	N=617

Table 20: Question #5

Visit friends or family	Percent of respondents	Number
I did not do this activity	9%	N=617
Walk	31%	N=617
Bike	4%	N=617
Capital Bikeshare	3%	N=617
Bus	10%	N=617
Drove alone	65%	N=617
Carpool	19%	N=617
Metrorail	21%	N=617
Taxi/ Uber	13%	N=617
Other	3%	N=617

Table 21: Question #5

Other social activities	Percent of respondents	Number
I did not do this activity	27%	N=617
Walk	28%	N=617
Bike	4%	N=617
Capital Bikeshare	3%	N=617
Bus	14%	N=617
Drove alone	54%	N=617
Carpool	11%	N=617
Metrorail	23%	N=617
Taxi/ Uber	15%	N=617
Other	2%	N=617

Table 22: Question #6

In the past month, how often did you use a GPS app like Google Maps or Waze to help determine your route to avoid traffic?	Percent	Number
Daily or Near Daily	42%	N=256
Few times per week	27%	N=166
Few times per month	17%	N=102
Never	12%	N=75
One time	2%	N=13
Total	100%	N=612

Table 23: Question #7

In the past month, how many times, if ever, did you use any of these modes of transportation around Alexandria?	Daily or Near Daily		Few times per week		Few times per month		One time		Never	
	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number
Walk	45%	N=265	29%	N=167	15%	N=89	3%	N=19	8%	N=46
Bike	2%	N=10	8%	N=42	8%	N=45	5%	N=29	77%	N=422
Bikeshare (Capital Bike Share, dockless bikeshare, dockless scooter)	1%	N=3	4%	N=23	5%	N=28	4%	N=21	86%	N=454
Drive alone	44%	N=252	29%	N=166	13%	N=73	1%	N=8	13%	N=75
Private Vehicle – as driver	36%	N=206	23%	N=132	10%	N=59	2%	N=10	29%	N=163
Private Vehicle – as passenger	6%	N=34	14%	N=78	29%	N=159	9%	N=51	41%	N=227
Motorcycle/moped/motorized scooter	1%	N=6	2%	N=12	1%	N=8	1%	N=5	94%	N=514
Taxi, other hired car service	0%	N=0	2%	N=14	14%	N=79	11%	N=58	72%	N=395
Carshare (Zipcar, Hertz OnDemand)	0%	N=0	0%	N=1	1%	N=4	1%	N=8	98%	N=531
Transportation Network Company (TNC such as Uber, Lyft, Via)	1%	N=4	6%	N=33	36%	N=199	19%	N=104	39%	N=213
Rail (Metrorail, commuter rail)	12%	N=71	15%	N=87	25%	N=140	12%	N=70	36%	N=203
DASH Bus	6%	N=33	11%	N=60	14%	N=81	6%	N=36	63%	N=355
Metro Bus	3%	N=18	3%	N=17	13%	N=71	5%	N=30	75%	N=413
Multiple transit systems	5%	N=27	7%	N=39	12%	N=66	7%	N=38	69%	N=385
Carpool/Vanpool	1%	N=6	3%	N=18	10%	N=56	2%	N=13	83%	N=451

Table 24: Question #8

To what extent do you agree or disagree that each of the following would increase your use of public transportation (bus or metro) as a means of transportation:	Strongly Agree		Somewhat Agree		Somewhat Disagree		Strongly Disagree	
	Percent	Number	Percent	Number	Percent	Number	Percent	Number
Services were more reliable	29%	N=166	42%	N=240	13%	N=75	15%	N=85
Services were more frequent	40%	N=229	36%	N=205	12%	N=66	12%	N=70
There were more direct routes/fewer transfers to destinations	43%	N=243	33%	N=188	12%	N=69	11%	N=62
Services were less expensive	22%	N=122	27%	N=150	27%	N=152	25%	N=139
My travel time was less than if I used a personal vehicle	59%	N=341	21%	N=121	11%	N=61	10%	N=57
There were routes that stop at my desired destinations	42%	N=239	31%	N=178	16%	N=90	11%	N=60
There were routes that stop at or near my home	39%	N=219	27%	N=156	17%	N=96	17%	N=98
I felt safer from crime while riding public transportation	25%	N=143	27%	N=156	23%	N=133	24%	N=139
I felt safer from crime waiting at the station	22%	N=126	30%	N=170	23%	N=129	25%	N=141
I had somewhere to put my things (luggage, groceries, other purchases, etc.)	19%	N=107	32%	N=179	27%	N=150	22%	N=126
Children could ride free on Metro	22%	N=120	22%	N=120	21%	N=118	35%	N=192
Public transportation vehicles were more comfortable	19%	N=105	34%	N=190	27%	N=153	20%	N=115
I do not want to use public transportation	8%	N=45	15%	N=86	20%	N=114	57%	N=319

Table 25: Question #9

In the last month, about how frequently have you done each of the following?	Never		1-10 times a month		11-20 times a month		More than 20 times a month	
	Percent	Number	Percent	Number	Percent	Number	Percent	Number
Ridden a bicycle for fun or exercise	72%	N=416	24%	N=140	3%	N=18	1%	N=6
Walked, ran, or jogged for fun or exercise	9%	N=51	40%	N=241	24%	N=142	27%	N=162

Table 26: Question #10

To what extent do you agree or disagree that each of the following would increase your use of walking as a means of transportation:	Strongly Agree		Somewhat Agree		Somewhat Disagree		Strongly Disagree	
	Percent	Number	Percent	Number	Percent	Number	Percent	Number
If there were more sidewalks	34%	N=197	34%	N=199	18%	N=103	14%	N=82
If there were more crosswalks	33%	N=190	32%	N=187	22%	N=125	13%	N=78
If the sidewalks and paths were in better condition	36%	N=209	34%	N=194	17%	N=98	13%	N=75
If there were more off-street walking or multi-use paths/trails	44%	N=248	36%	N=204	12%	N=69	9%	N=49
If there was more street lighting after dark	49%	N=285	29%	N=167	15%	N=88	8%	N=45
If I had access to workplace showers	9%	N=49	14%	N=82	33%	N=188	44%	N=246
If I felt more safe from traffic while walking	43%	N=245	30%	N=173	16%	N=91	12%	N=67
If I felt more safe from crime while walking	33%	N=193	28%	N=162	23%	N=135	15%	N=88
If It didn't take longer to walk to my destinations than to drive	45%	N=256	27%	N=156	19%	N=109	9%	N=53
If I do not want to walk as a means of transportation	11%	N=66	12%	N=70	21%	N=125	55%	N=325

Table 27: Question #11

To what extent do you agree or disagree that each of the following would increase your use of a bicycle as a means of transportation:	Strongly Agree		Somewhat Agree		Somewhat Disagree		Strongly Disagree	
	Percent	Number	Percent	Number	Percent	Number	Percent	Number
If there were more on-street bike lanes	24%	N=131	29%	N=157	13%	N=70	34%	N=184
If there were more off-street bike or multi-use paths/trails	38%	N=206	25%	N=137	8%	N=44	28%	N=154
If there was more street lighting after dark	33%	N=174	24%	N=129	15%	N=77	29%	N=153
If I had access to a bicycle	22%	N=114	21%	N=109	16%	N=84	42%	N=220
If I had access to an electric/pedal assist bicycle	18%	N=98	22%	N=118	17%	N=87	43%	N=226
If I had access to workplace showers	8%	N=45	17%	N=91	23%	N=124	51%	N=270
If I had a place to securely store a bicycle at work	20%	N=104	25%	N=130	13%	N=69	42%	N=221
If there were places to securely park a bicycle at other destinations	33%	N=173	27%	N=142	10%	N=51	30%	N=155
If I felt more safe from traffic while riding a bicycle	49%	N=255	20%	N=106	6%	N=34	24%	N=126
If I felt more safe from crime while riding a bicycle	20%	N=106	24%	N=123	20%	N=105	36%	N=186
If It didn't take longer to ride a bicycle to my destinations than to drive	29%	N=151	29%	N=148	13%	N=67	30%	N=153
If I knew how to ride a bike	11%	N=55	10%	N=52	8%	N=43	71%	N=371
If there were more Capital Bikeshare stations	15%	N=79	20%	N=105	22%	N=112	43%	N=219
I do not want to use a bicycle as a means of transportation	29%	N=163	17%	N=92	16%	N=90	38%	N=209

Table 28: Question #12

Did you know that all DASH buses in Alexandria are free to ride?	Percent	Number
Yes	76%	N=465
No	24%	N=146
Total	100%	N=612

Table 29: Question #13

Have you heard of GO Alex, the City's program that helps people find transportation options?	Percent	Number
Yes	18%	N=108
No	82%	N=502
Total	100%	N=610

Table 30: Question #14

Do you have school-aged children?	Percent	Number
Yes	13%	N=80
No	87%	N=525
Total	100%	N=606

Table 31: Question #15

Please indicate how your child(ren) typically travel to/from school? (Please select all that apply.)	Percent	Number
Driven by caregiver	53%	N=43
Walk	38%	N=31
School bus	31%	N=25
Carpool	19%	N=16
Public transportation	14%	N=11
Bike	9%	N=7
Other	8%	N=6
Drive themselves alone	8%	N=6
Driven by taxi, Uber, Lyft, etc.	4%	N=4

Table 32: Question #16

If your children are driven to school or drive themselves, please indicate which, if any, of the following factors discourage you from using other modes of transportation for your child(ren) to/from school (please select all that apply):	Percent	Number
Distance to school	64%	N=40
Not safe	28%	N=18
Takes too long to use other modes	26%	N=17
Inconvenient to use other modes	25%	N=15
Other	18%	N=11
Lack of sidewalks, bike lanes	13%	N=8
Cost	3%	N=2
Do not have access to public transportation	3%	N=2
Do not have access to a bicycle	0%	N=0

Appendix B: Verbatim Answers to Open-Ended Questions

The following are verbatim responses to open-ended questions. Because these responses were written by survey participants, they are presented here in verbatim form, including any typographical, grammatical, or other mistakes. Within each question the responses are in alphabetical order.

Q4 If you typically drive alone to get to work, which of the following are the main reasons?

- Bus transfer might be difficult as I work in another city, but it is doable if my car breaks down.
- Construction contractor with various site visits
- COULDN'T GET RIDE TO METRO
- Don't want to be exposed to sickness.
- DOT RIDE
- I carry a lot of work related things
- I dont drive to work at all
- I work at home
- I work down south and not supported by Metro or Train services
- I work from remote 100%
- IF RUNNING LATE
- MEDICAL, FOOD
- METRO RIDE OVER AN HOUR PLUS WALK FROM TO METRO FROM HOUSE EQUDES 1.5 HOURS EACH WAY
- NO DECENT PUBLIC TRANSPORTATION
- NO ECONOMIC PUBLIC TRANSIT
- Not comfortable on public transportation
- RETIRED
- RETIRED
- WEATHER
- Work from home
- WORK FROM HOME

Q15: If your children are driven to school or drive themselves, which, if any, of the following factors keep your child(ren) from walking, biking, or taking school bus or public transportation to/from school (Select all that apply):

- Age
- Bus is full
- Distance between home to private school (in Alexandria) and then private school to work (in Arlington)
- DON'T HAVE CHILDREN
- IN PRE-K TOO YOUNG
- LACK OF POLICE ON STREET TO CONTROL CRAZY PEOPLE DRIVING TOO FAST
- MY KIDS WALK BUT YOU HAVE GOT TO REDO THE CROSSWALK OUTSIDE
- OF CHARLES BARRETT REC CENTER - 1 AND MY KIDS AND THEIR REC CLASSMATE ALMOST GET RUN OVER DAILY.
- Our caregiver has to drive to her job anyway, and school is on her way.
- Prohibited from walking based on our home address.
- TOO MUCH TRAFFIC
- USE DOT RIDE
- WEATHER
- WEATHER.

Appendix C: Selected Survey Responses by Area of Residence

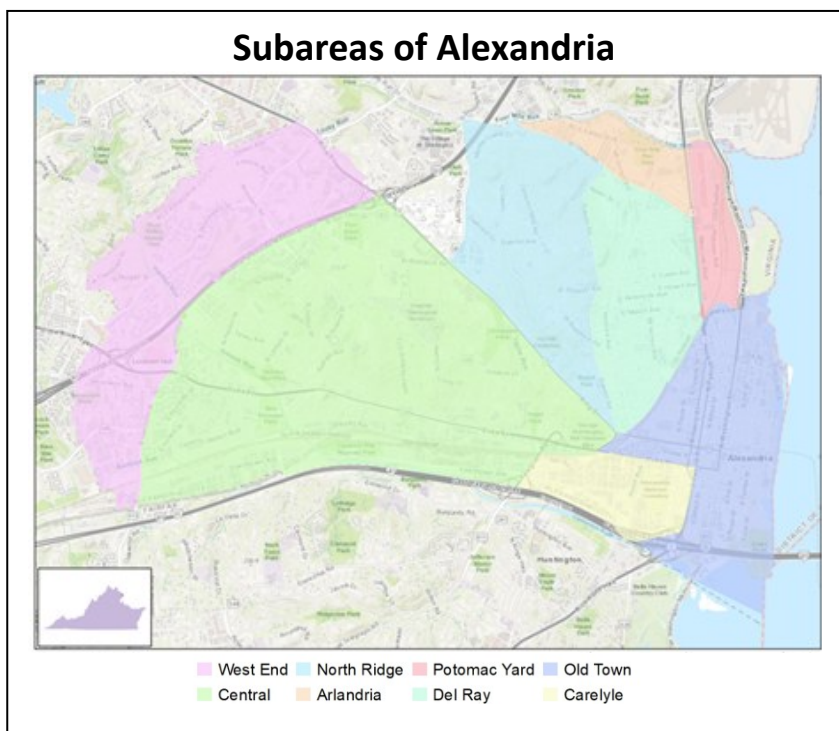
Understanding the Crosstabulation Tables

The subgroup comparison tables contain the cross tabulations of the resident survey questions by various respondent demographic characteristics, in this appendix area of residence. Chi-square or ANOVA tests of significance were applied to these breakdowns of survey questions. A “p-value” of 0.05 or less indicates that there is less than a 5% probability that differences observed between groups are due to chance; or in other words, a greater than 95% probability that the differences observed in the selected categories of the sample represent “real” differences among those populations. As subgroups vary in size and each group has a unique margin of error, statistical testing is used to determine whether differences between subgroups are statistically significant.

Each column in the following tables is labeled with a letter for each subgroup being compared. The letters start over with “A” for each different characteristic. (For example, the Areas below are marked “A” through “E”.)

For each pair of subgroup ratings within a characteristic within a row that has a statistically significant difference, an uppercase letter denoting significance is shown in the cell with the larger column proportion. The letter denotes the subgroup with the smaller column proportion from which it is statistically different. Subgroups that have no uppercase letter denotation in their column and that are also not referred to in any other column were not statistically different.

This survey used 8 different geographical areas, although 4 of them (North Ridge, Arlandia, Potomac Yard and Carelyle) were grouped for analysis purposes.



Looking at Table 33 on page 44, the responses were not statistically significantly different, as there are no Upper-Case Letters denoting difference. However, on Table 34, the “Average percent of work trips made by walking” (first row) shows that Old Town (E) was statistically higher than West End (A), and also that the value for North Ridge/Arlandia/Potomac Yard/Carelyle (C) was statistically higher than West End (A) and Central (B).

Table 33: Question #1 by Area

What is your employment status?	Area					Overall (A)
	West End	Central	NRDG/ Arlandia/ PY/ Carelyle	Del Ray	Old Town	
	(A)	(B)	(C)	(D)	(E)	
Employed full- or part-time	84%	75%	83%	83%	77%	80%
Not employed, not looking for work (retired, stay-at-home parent, etc.)	11%	20%	13%	12%	17%	15%
Currently not employed	5%	5%	4%	5%	6%	5%

Table 34: Work Commute Mode Share by Area

Work Commute Mode Share	Area					Overall (A)
	West End	Central	NRDG/ Arlandia/ PY/ Carelyle	Del Ray	Old Town	
	(A)	(B)	(C)	(D)	(E)	
Average percent of work trips made by walking	7%	10%	23% A B	15%	19% A	15%
Average percent of work trips made by bike	0%	1%	2%	3%	2%	2%
Average percent of work trips made by Capital Bikeshare	2%	0%	1%	0%	2%	1%
Average percent of work trips made by bus	9% D E	8% E	5%	2%	2%	6%
Average percent of work trips made by driving alone	33%	38%	32%	48%	33%	36%
Average percent of work trips made by carpooling/driving with others	5%	6% C	0%	2%	4%	3%
Average percent of work trips made Metrorail	6%	9%	17% A B	11%	15% A	12%
Average percent of work trips made taxi/uber	2%	1%	1%	1%	0%	1%
Average percent of work trips made by VRE commuter rail	0%	0%	0%	0%	0%	0%
Average percent of work trips replaced by working at home	33% C D	26%	18%	17%	23%	23%
Average percent of work trips made by other modes	3%	0%	0%	0%	1%	1%

Table 35: Commute Trips by Employed Respondents via Each Mode in Previous Week by Area

Percent of Employed Respondents Who Made at Least One Work Commute Trip via Each Mode in Previous Week	Area					Overall (A)
	West End	Central	NRDG/ Arlandia/ PY/ Carelyle	Del Ray	Old Town	
	(A)	(B)	(C)	(D)	(E)	
Percent making any work trips in last week by walking	23%	32%	43% A	46% A	45% A	37%
Percent making any work trips in last week by bike	2%	4%	4%	10%	4%	4%
Percent making any work trips in last week by Capital Bikeshare	5%	0%	2%	1%	6%	3%
Percent making any work trips in last week by bus	27% D E	22%	14%	8%	9%	17%
Percent making any work trips in last week by driving alone	44%	64% A C E	45%	72% A C E	44%	52%
Percent making any work trips in last week by carpooling/driving with others	9%	11%	4%	6%	9%	8%
Percent making any work trips in last week by Metrorail	19%	29%	43% A	36%	40% A	34%
Percent making any work trips in last week by taxi/uber	9%	7%	4%	12%	3%	6%
Percent making any work trips in last week by VRE commuter rail	0%	0%	0%	0%	2%	0%
Percent working at home at least once	46%	40%	40%	37%	45%	42%
Percent making any work trips in last week by other modes	4%	3%	1%	2%	4%	3%

Table 36: Commute Trips by Employed Respondents via Transit in Previous Week by Area

Percent of Employed Respondents Who Made at Least One Work Commute Trip via Transit in Previous Week	Area					Overall (A)
	West End	Central	NRDG/ Arlandia/ PY/ Carelyle	Del Ray	Old Town	
	(A)	(B)	(C)	(D)	(E)	
Took transit (bus, Metrorail and/or VRE commuter rail) any day in previous week	29%	34%	46%	37%	41%	38%
Took transit AND walked on same day on any day in previous week	22%	24%	25%	27%	36%	27%
Took transit AND biked on same day on any day in previous week	0%	2%	0%	2%	3%	1%

Table 37: Commute Trips by Employed Respondents via Each Mode in Previous Week by Area

Percent of Employed Respondents Who Made at Least One Work Commute Trip via Each Mode in Previous Week	Area					Overall (A)
	West End	Central	NRDG/ Arlandia/ PY/ Carelyle	Del Ray	Old Town	
	(A)	(B)	(C)	(D)	(E)	
Percent making any work trips in last week by walking	23%	32%	43% A	46% A	45% A	37%
Percent making any work trips in last week by bike	2%	4%	4%	10%	4%	4%
Percent making any work trips in last week by Capital Bikeshare	5%	0%	2%	1%	6%	3%
Percent making any work trips in last week by bus	27% D E	22%	14%	8%	9%	17%
Percent making any work trips in last week by driving alone	44%	64% A C E	45%	72% A C E	44%	52%
Percent making any work trips in last week by carpooling/driving with others	9%	11%	4%	6%	9%	8%
Percent making any work trips in last week by Metrorail	19%	29%	43% A	36%	40% A	34%
Percent making any work trips in last week by taxi/uber	9%	7%	4%	12%	3%	6%
Percent making any work trips in last week by VRE commuter rail	0%	0%	0%	0%	2%	0%
Percent making any work trips in last week by working at home	46%	40%	40%	37%	45%	42%
Percent making any work trips in last week by other modes	4%	3%	1%	2%	4%	3%

Table 38: Question #3 by Area

Does your employer offer any of the following commuter benefits? (Select all that apply.)	Area					Overall (A)
	West End	Central	NRDG/ Arlandia/ PY/ Carelyle	Del Ray	Old Town	
	(A)	(B)	(C)	(D)	(E)	
Free Parking	53%	51%	38%	48%	55%	48%
SmartBenefits (Subsidized transit)	38%	52%	48%	47%	51%	47%
Pre-Tax Parking	8%	7%	14%	12%	8%	10%
Bikeshare/Dockless Mobility memberships or bicycle subsidies	6%	5%	10%	5%	7%	7%
Carpool or Vanpool Program	3%	2%	11%	1%	7%	5%
Other	20%	6%	8%	8%	7%	10%

Table 39: Question #4 by Area

If you most often drive to get to work, which of the following are the main reasons? (Please select all that apply.)	Area					Overall (A)
	West End	Central	NRDG/ Arlandia/ PY/ Carelyle	Del Ray	Old Town	
	(A)	(B)	(C)	(D)	(E)	
Quickest/most convenient	40%	63% A	46%	46%	49%	49%
Don't usually drive alone to get to work	21%	19%	42% A B	25%	39% B	30%
Need/want to make stops/run errands on the way to/from work	15%	24%	28%	31%	20%	24%
Privacy	17%	18%	22%	25%	11%	19%
Too hard to get to work location from Metrorail station or bus stop	15%	31% C	7%	16%	21% C	17%
Irregular work schedule	18%	19%	7%	22% C	11%	14%
Need/want to come and go from the workplace during the day	6%	16%	7%	17%	14%	11%
I take a child/children to and/or from school or child care on the way to/ from work	8%	14% E	10%	16% E	2%	10%
Bus or Metrorail is not available or inadequate	12%	11%	8%	5%	12%	10%
Work reasons/commitments	11%	18% C	3%	10%	7%	9%
Driving costs less	4%	11%	8%	5%	12%	8%
Personal reasons/commitments	5%	6%	13%	8%	5%	8%
Too hard to get to Metrorail station or bus stop from home	11%	12%	4%	5%	4%	7%
I need somewhere to store larger/multiple things (luggage, groceries, other purchases, etc.)	2%	6%	3%	23% A B C E	4%	6%
Don't have shower at work if I walk or bike	3%	4%	2%	5%	6%	4%
Other modes are not safe	5%	0%	1%	8%	3%	3%
Don't want to take a shower at work if bike or walk	2%	1%	0%	1%	6%	2%
Others	16% B C D E	2%	3%	1%	1%	5%

Table 40: Travel Mode for 7 Kinds of Trips by Area

Percent of respondents using each mode to complete any of 7 kinds of trips (parks & recreation centers, grocery store, non-grocery errands, restaurants, fun or fitness, visit friends or family, other social activities)	Area					Overall (A)
	West End	Central	NRDG/ Arlandia/ PY/ Carelyle	Del Ray	Old Town	
	(A)	(B)	(C)	(D)	(E)	
Percent who ever walk	55%	71% A	85% A B	93% A B	95% A B	79%
Percent who ever bike	4%	17% A	13%	32% A B C E	15%	15%
Percent who ever use Capital Bikeshare	7%	1%	12% B	15% B	13% B	9%
Percent who ever bus	32%	26%	21%	20%	24%	25%
Percent who ever drive	81%	87%	79%	87%	79%	82%
Percent who ever carpool	30%	28%	29%	35%	34%	31%
Percent who ever use Metrorail	32%	31%	54% A B	54% A B	58% A B	46%
Percent who ever use a taxi/uber	28%	27%	38%	37%	48% A B	35%
Percent who ever do something else	9%	6%	6%	5%	11%	8%

Table 41: Question #6 by Area

In the past month, how often did you use a GPS app like Google Maps or Waze to help determine your route to avoid traffic? (Percent daily or a few times week)	Area					Overall (A)
	West End	Central	NRDG/ Arlandia/ PY/ Carelyle	Del Ray	Old Town	
	(A)	(B)	(C)	(D)	(E)	
Daily or Near Daily	47% B	28%	39%	65% B C E	42%	42%
Few times per week	22%	40% A D	25%	19%	25%	27%
Few times per month	17%	9%	22% B	8%	22% B	17%
Never	13%	20% D	11%	3%	9%	12%
One time	1%	2%	2%	4%	2%	2%

Table 42: Question #7 by Area

In the past month, how many times, if ever, did you use any of these modes of transportation around Alexandria? (Percent daily or a few times week)	Area					Overall (A)
	West End	Central	NRDG/ Arlandia/ PY/ Carelyle	Del Ray	Old Town	
	(A)	(B)	(C)	(D)	(E)	
Walk	82%	85%	98% A B	96% A B	98% A B	92%
Bike	22%	21%	17%	48% A B C E	20%	23%
Bikeshare (Capital Bike Share, dockless bikeshare, dockless scooter, scooter)	10%	5%	18% B	18%	20% B	14%
Drive alone	83%	90%	86%	95%	84%	87%
Private Vehicle – as driver	69%	75%	73%	76%	65%	71%
Private Vehicle – as passenger	48%	52%	64%	70% A	62%	59%
Motorcycle, moped, motorized scooter	12% C	6%	1%	3%	6%	6%
Taxi, other hired car service	23%	25%	29%	30%	31%	28%
Carshare (Zipcar, Hertz OnDemand)	3%	2%	1%	4%	3%	2%
Transportation Network Company (TNC such as Uber, Lyft, Via)	46%	59%	64% A	70% A	69% A	61%
Rail (Metrorail, commuter rail)	46%	56%	73% A B	74% A	74% A B	64%
DASH Bus	48% D	43% D	33%	19%	37%	37%
Metro Bus	27%	32%	19%	26%	22%	25%
Multiple transit systems	34%	36%	22%	32%	32%	31%
Carpool, Vanpool	16%	20%	16%	21%	15%	17%
Paratransit (DOT Paratransit, Metro Access)	1%	5%	0%	3%	1%	2%

Table 43: Question #8 by Area

To what extent do you agree or disagree that each of the following would increase your use of public transportation (bus or metro) as a means of transportation: (Percent somewhat or strongly agree)	Area					Overall (A)
	West End	Central	NRDG/ Arlandia/ PY/ Carelyle	Del Ray	Old Town	
	(A)	(B)	(C)	(D)	(E)	
Services were more reliable	79%	71%	71%	74%	66%	72%
Services were more frequent	83%	74%	79%	74%	70%	76%
There were more direct routes/fewer transfers to destinations	87% B	68%	80%	75%	73%	77%
Services were less expensive	53%	50%	49%	44%	44%	48%
My travel time were less than if I used a personal vehicle	82%	77%	84%	80%	74%	80%
There were routes that stop at my desired destinations	78%	70%	76%	71%	72%	74%
There were routes that stop at or near my home	76% D	64%	66%	50%	67%	66%
I felt safer from crime while riding public transportation	58%	46%	57%	52%	48%	52%
I felt safer from crime waiting at the station	61%	46%	57%	51%	47%	52%
I had somewhere to put my things (luggage, groceries, other purchases, etc.)	63% B	42%	49%	53%	50%	51%
Children could ride free on Metro	53% E	52% E	42%	41%	31%	44%
Public transportation vehicles were more comfortable	66% B	47%	52%	46%	49%	52%
I do not want to use public transportation	24%	27%	22%	23%	20%	23%

Table 44: Question #9 by Area

In the last month, about how frequently have you done each of the following? (Percent ever)	Area					Overall (A)
	West End	Central	NRDG/ Arlandia/ PY/ Carelyle	Del Ray	Old Town	
	(A)	(B)	(C)	(D)	(E)	
Ridden a bicycle or walked for fun or exercise	25%	33%	21%	42% C	28%	28%
Ran or jogged for fun or exercise	94% B	81%	92% B	95% B	98% B	91%

Table 45: Question #10 by Area

To what extent do you agree or disagree that each of the following would increase your use of walking as a means of transportation: (Percent somewhat or strongly agree)	Area					Overall (A)
	West End	Central	NRDG/ Arlandia/ PY/ Carelyle	Del Ray	Old Town	
	(A)	(B)	(C)	(D)	(E)	
If there were more sidewalks	76%	65%	70%	67%	61%	68%
If there were more crosswalks	70%	63%	69%	62%	58%	65%
If the sidewalks and paths were in better condition	74%	64%	75%	61%	71%	70%
If there was more off-street walking or multi-use paths, trails	86% D	79%	82%	68%	77%	79%
If there was more street lighting after dark	89% B D	70%	81% D	61%	77%	77%
If I had access to public or workplace showers	40% B C D E	23%	16%	19%	18%	23%
If I felt more safe from traffic while walking	81%	70%	74%	65%	70%	73%
If I felt more safe from crime while walking	79% B C D E	58%	61%	49%	56%	61%
If It didn't take longer to walk to my destinations than to drive	87% C E	75% E	71%	69%	57%	72%
I do not want to walk as a means of transportation	41% C D E	35% C D E	15%	12%	10%	23%

Table 46: Question #11 by Area

To what extent do you agree or disagree that each of the following would increase your use of a bicycle as a means of transportation: (Percent somewhat or strongly agree)	Area					Overall (A)
	West End	Central	NRDG/ Arlandia/ PY/ Carelyle	Del Ray	Old Town	
	(A)	(B)	(C)	(D)	(E)	
There were more on-street bike lanes	50%	44%	57%	60%	57%	53%
There was more off-street bike or multi-use paths, trails	57%	60%	65%	69%	67%	63%
There was more street lighting after dark	60%	50%	58%	57%	60%	57%
I had access to a bicycle	52%	40%	46%	34%	35%	42%
I had access to an electric/pedal assist bicycle	49%	34%	42%	37%	40%	41%
I had access to public or workplace showers	35%	24%	22%	29%	21%	26%
I had a place to securely store a bicycle at work	51%	57% E	42%	39%	32%	45%
There were places to securely park a bicycle at other destinations	57%	63%	60%	61%	63%	60%
I felt more safe from traffic while riding a bicycle	67%	73%	69%	67%	69%	69%
I felt more safe from crime while riding a bicycle	57% E	48%	44%	39%	30%	44%
It didn't take longer to ride a bicycle to my destinations than to drive	65% E	57%	64% E	52%	45%	58%
I knew how to ride a bike	34% D E	20%	24%	8%	12%	21%
If there were more Capital Bikeshare stations	50% B C	29%	31%	35%	36%	36%
I do not want to use a bicycle as a means of transportation	64% B C D	40%	41%	29%	51% D	46%

Table 47: Question #12 by Area

Did you know that all DASH buses in Alexandria are free to ride?	Area					Overall (A)
	West End	Central	NRDG/ Arlandia/ PY/ Carelyle	Del Ray	Old Town	
	(A)	(B)	(C)	(D)	(E)	
Yes	80%	80%	70%	68%	80%	76%
No	20%	20%	30%	32%	20%	24%
Total	100%	100%	100%	100%	100%	100%

Table 48: Question #13 by Area

Have you heard of GO Alex, the City's program that helps people find transportation options?	Area					Overall (A)
	West End	Central	NRDG/ Arlandia/ PY/ Carelyle	Del Ray	Old Town	
	(A)	(B)	(C)	(D)	(E)	
Yes	19%	17%	12%	23%	21%	18%
No	81%	83%	88%	77%	79%	82%
Total	100%	100%	100%	100%	100%	100%

Table 49: Question #14 by Area

Do you have school-aged children?	Area					Overall (A)
	West End	Central	NRDG/ Arlandia/ PY/ Carelyle	Del Ray	Old Town	
	(A)	(B)	(C)	(D)	(E)	
Yes	17% E	15%	12%	20% E	6%	13%
No	83%	85%	88%	80%	94% A D	87%
Total	100%	100%	100%	100%	100%	100%

Table 50: Question #15 by Area

Please indicate how your child(ren) typically travel to/from school? (Please select all that apply.)	Area					Overall (A)
	West End	Central	NRDG/ Arlandia/ PY/ Carelyle	Del Ray	Old Town	
	(A)	(B)	(C)	(D)	(E)	
Driven by caregiver	26%	64%	65%	59%	54%	53%
Walk	27%	32%	49%	53%	31%	38%
School bus	54% C	20%	8%	30%	63%	31%
Carpool	16%	41%	0%	23%	9%	19%
Public transportation	46% BC	6%	4%	0%	0%	14%
Bike	0%	19%	10%	6%	9%	9%
Other	5%	9%	18%	0%	0%	8%
Drive themselves alone	0%	0%	9%	30%	5%	8%
Driven by taxi, Uber, Lyft, etc.	10%	0%	6%	0%	5%	4%

Table 51: Question #16 by Area

If your children are driven to school or drive themselves, please indicate which, if any, of the following factors discourage you from using other modes of transportation for your child(ren) to/from school (please select all that apply):	Area					Overall (A)
	West End	Central	NRDG/ Arlandia/ PY/ Carelyle	Del Ray	Old Town	
	(A)	(B)	(C)	(D)	(E)	
Distance to school	68%	68%	58%	70%	49%	64%
Not safe	57% C	29%	5%	9%	38%	28%
Takes too long to use other modes	15%	24%	29%	47%	24%	26%
Inconvenient to use other modes	32%	6%	33%	17%	24%	25%
Other	19%	29%	12%	26%	0%	18%
Lack of sidewalks, bike lanes	39%	0%	0%	8%	0%	13%
Cost	11%	0%	0%	0%	0%	3%
Do not have access to public transportation	0%	0%	6%	0%	13%	3%
Do not have access to a bicycle	0%	0%	0%	0%	0%	0%

Appendix D: Selected Survey Responses by Respondent Characteristics

The tables in this Appendix display survey results by selected respondent characteristics. An explanation of how to interpret statistical differences can be found in *Appendix C: Selected Survey Responses by Area of Residence* on page 43.

Note that there are five variables used for cross-tabulations in this appendix (Household has private vehicle(s); Household has bicycle(s); Use Google Maps or Waze monthly; Commuter free or pre-tax parking (Employed only); Commuter SmartBenefits, Car/Vanpool or Bikeshare or Bike subsidies (Employed Only)), statistical tests compare the two categories within the variable (i.e., whether those who say yes (A) are different from those who say no (B)), they do not compare across variables (i.e., tests do not indicate if those with a private vehicle have a statistically different response than those who don't have a bicycle).

By Travel Amenities

Table 52: Question #1 by Travel Amenities

What is your employment status?	Household has private vehicle(s)		Household has bicycle(s)		Use Google Maps or Waze monthly		Commuter free or pre-tax parking (Employed only)		Commuter SmartBenefits, Car/Vanpool or Bikeshare or Bike subsidies (Employed Only)		Overall (A)
	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	
	(A)	(B)	(A)	(B)	(A)	(B)	(A)	(B)	(A)	(B)	
Employed full- or part-time	81%	81%	82%	81%	88% B	78%	100%	100%	100%	100%	80%
Not employed, not looking for work (retired, stay-at-home parent, etc.)	15%	9%	13%	14%	8%	16% A	.	.	.	.	15%
Currently not employed	4%	10% A	4%	5%	4%	5%	.	.	.	.	5%

Table 53: Work Commute Mode Share by Travel Amenities

Work Commute Mode Share	Household has private vehicle(s)		Household has bicycle(s)		Use Google Maps or Waze monthly		Commuter free or pre-tax parking (Employed only)		Commuter SmartBenefits, Car/Vanpool or Bikeshare or Bike subsidies (Employed Only)		Overall (A)
	Yes (A)	No (B)	Yes (A)	No (B)	Yes (A)	No (B)	Yes (A)	No (B)	Yes (A)	No (B)	
	Average percent of work trips made by walking	15%	22% A	18%	15%	14%	17%	12%	18% A	20% B		12%	15%
Average percent of work trips made by bike	2%	1%	3% B	0%	1%	2%	1%	2%	2%	1%	2%
Average percent of work trips made by Capital Bikeshare	1%	5% A	2% B	1%	1%	0%	1%	1%	1%	1%	1%
Average percent of work trips made by bus	4%	18% A	5%	6%	3%	5%	4%	6%	7% B	3%	6%
Average percent of work trips made by driving alone	37% B	3%	35%	33%	45% B	27%	55% B	18%	22%	45% A	36%
Average percent of work trips made by carpooling/driving with others	4%	0%	2%	5% A	4%	4%	4%	3%	5% B	2%	3%
Average percent of work trips made Metrorail	11%	28% A	12%	13%	8%	14% A	5%	18% A	20% B	6%	12%
Average percent of work trips made taxi/uber	1%	3% A	1%	1%	1%	1%	1%	1%	1%	1%	1%
Average percent of work trips made by VRE commuter rail	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Average percent of work trips replaced by working at home	26%	18%	22%	26%	22%	30% A	16%	31% A	19%	27% A	23%
Average percent of work trips made by other modes	1%	1%	1%	1%	1%	1%	0%	2% A	1%	1%	1%

Table 54: Commute Trips by Employed Respondents via Each Mode in Previous Week by Travel Amenities

Percent of Employed Respondents Who Made at Least One Work Commute Trip via Each Mode in Previous Week	Household has private vehicle(s)		Household has bicycle(s)		Use Google Maps or Waze monthly		Commuter free or pre-tax parking (Employed only)		Commuter SmartBenefits, Car/Vanpool or Bikeshare or Bike subsidies (Employed Only)		Overall (A)
	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	
	(A)	(B)	(A)	(B)	(A)	(B)	(A)	(B)	(A)	(B)	
Percent making any work trips in last week by walking	37%	57% A	46% B	36%	35%	39%	29%	47% A	46% B	33%	37%
Percent making any work trips in last week by bike	4%	5%	9% B	0%	3%	5%	3%	6%	6%	4%	4%
Percent making any work trips in last week by Capital Bikeshare	2%	14% A	6% B	2%	3%	0%	3%	3%	3%	3%	3%
Percent making any work trips in last week by bus	14%	44% A	19%	17%	11%	18%	14%	18%	23% B	11%	17%
Percent making any work trips in last week by driving alone	55% B	4%	58% B	44%	64% B	46%	78% B	30%	37%	62% A	52%
Percent making any work trips in last week by carpooling/driving with others	8%	4%	7%	9%	10%	6%	10%	6%	11%	6%	8%
Percent making any work trips in last week by Metrorail	31%	66% A	34%	37%	27%	36%	19%	48% A	56% B	20%	34%
Percent making any work trips in last week by taxi/uber	5%	19% A	6%	7%	9%	4%	7%	5%	7%	6%	6%
Percent making any work trips in last week by VRE commuter rail	0%	0%	1%	0%	0%	0%	0%	1%	1%	0%	0%
Percent working at home at least once	44%	47%	45%	43%	40%	49%	34%	52% A	43%	44%	42%
Percent making any work trips in last week by other modes	2%	2%	3%	2%	3%	3%	1%	5% A	2%	3%	3%

Table 55: Commute Trips by Employed Respondents via Transit in Previous Week by Travel Amenities

Percent of Employed Respondents Who Made at Least One Work Commute Trip via Transit in Previous Week	Household has private vehicle(s)		Household has bicycle(s)		Use Google Maps or Waze monthly		Commuter free or pre-tax parking (Employed only)		Commuter SmartBenefits, Car/Vanpool or Bikeshare or Bike subsidies (Employed Only)		Overall (A)
	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	
	(A)	(B)	(A)	(B)	(A)	(B)	(A)	(B)	(A)	(B)	
Took transit (bus, Metrorail and/or VRE commuter rail) any day in previous week	33%	87% A	39%	40%	28%	40% A	22%	52% A	58% B	24%	38%
Took transit AND walked on same day on any day in previous week	25%	56% A	30%	27%	19%	30% A	17%	36% A	39% B	19%	27%
Took transit AND biked on same day on any day in previous week	1%	3%	4% B	0%	1%	2%	1%	2%	2%	1%	1%

Table 56: Commute Trips by Employed Respondents via Each Mode in Previous Week by Travel Amenities

Percent of Employed Respondents Who Made at Least One Work Commute Trip via Each Mode in Previous Week	Household has private vehicle(s)		Household has bicycle(s)		Use Google Maps or Waze monthly		Commuter free or pre-tax parking (Employed only)		Commuter SmartBenefits, Car/Vanpool or Bikeshare or Bike subsidies (Employed Only)		Overall (A)
	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	
	(A)	(B)	(A)	(B)	(A)	(B)	(A)	(B)	(A)	(B)	
Percent making any work trips in last week by walking	37%	57% A	46% B	36%	35%	39%	29%	47% A	46% B	33%	37%
Percent making any work trips in last week by bike	4%	5%	9% B	0%	3%	5%	3%	6%	6%	4%	4%
Percent making any work trips in last week by Capital Bikeshare	2%	14% A	6% B	2%	3%	0%	3%	3%	3%	3%	3%
Percent making any work trips in last week by bus	14%	44% A	19%	17%	11%	18%	14%	18%	23% B	11%	17%
Percent making any work trips in last week by driving alone	55% B	4%	58% B	44%	64% B	46%	78% B	30%	37%	62% A	52%

Percent of Employed Respondents Who Made at Least One Work Commute Trip via Each Mode in Previous Week	Household has private vehicle(s)		Household has bicycle(s)		Use Google Maps or Waze monthly		Commuter free or pre-tax parking (Employed only)		Commuter SmartBenefits, Car/Vanpool or Bikeshare or Bike subsidies (Employed Only)		Overall (A)
	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	
	(A)	(B)	(A)	(B)	(A)	(B)	(A)	(B)	(A)	(B)	
Percent making any work trips in last week by carpooling/driving with others	8%	4%	7%	9%	10%	6%	10%	6%	11%	6%	8%
Percent making any work trips in last week by Metrorail	31%	66% A	34%	37%	27%	36%	19%	48% A	56% B	20%	34%
Percent making any work trips in last week by taxi/uber	5%	19% A	6%	7%	9%	4%	7%	5%	7%	6%	6%
Percent making any work trips in last week by VRE commuter rail	0%	0%	1%	0%	0%	0%	0%	1%	1%	0%	0%
Percent making any work trips in last week by working at home	44%	47%	45%	43%	40%	49%	34%	52% A	43%	44%	42%
Percent making any work trips in last week by other modes	2%	2%	3%	2%	3%	3%	1%	5% A	2%	3%	3%

Table 57: Question #3 by Travel Amenities

Does your employer offer any of the following commuter benefits? (Select all that apply.)	Household has private vehicle(s)		Household has bicycle(s)		Use Google Maps or Waze monthly		Commuter free or pre-tax parking (Employed only)		Commuter SmartBenefits, Car/Vanpool or Bikeshare or Bike subsidies (Employed Only)		Overall (A)
	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	
	(A)	(B)	(A)	(B)	(A)	(B)	(A)	(B)	(A)	(B)	
Free Parking	49% B	29%	52%	43%	56% B	42%	84%	0%	26%	73% A	48%
SmartBenefits (Subsidized transit)	45%	73% A	48%	50%	42%	51%	29%	74% A	94%	0%	47%
Pre-Tax Parking	11%	7%	9%	12%	10%	12%	16%	0%	9%	9%	10%
Bikeshare/Dockless Mobility memberships or bicycle subsidies	6%	11%	7%	7%	3%	11% A	4%	10% A	13%	0%	7%
Carpool of Vanpool Program	6%	0%	5%	6%	8%	3%	5%	6%	11%	0%	5%
Other	11%	5%	7%	11%	12%	8%	1%	22% A	2%	18% A	10%

Table 58: Question #4 by Travel Amenities

If you most often drive to get to work, which of the following are the main reasons? (Please select all that apply.)	Household has private vehicle(s)		Household has bicycle(s)		Use Google Maps or Waze monthly		Commuter free or pre-tax parking (Employed only)		Commuter SmartBenefits, Car/Vanpool or Bikeshare or Bike subsidies (Employed Only)		Overall (A)
	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	
	(A)	(B)	(A)	(B)	(A)	(B)	(A)	(B)	(A)	(B)	
Quickest/most convenient	51% B	1%	45%	48%	58%	49%	66% B	31%	37%	56% A	49%
Don't usually drive alone to get to work	27%	81% A	31%	33%	19%	33% A	14%	48% A	50% B	17%	30%
Need/want to make stops/run errands on the way to/from work	22% B	4%	19%	28%	33% B	14%	23%	23%	19%	26%	24%
Privacy	18%	0%	17%	19%	25%	19%	21%	15%	8%	24% A	19%

If you most often drive to get to work, which of the following are the main reasons? (Please select all that apply.)	Household has private vehicle(s)		Household has bicycle(s)		Use Google Maps or Waze monthly		Commuter free or pre-tax parking (Employed only)		Commuter SmartBenefits, Car/Vanpool or Bikeshare or Bike subsidies (Employed Only)		Overall (A)
	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	
	(A)	(B)	(A)	(B)	(A)	(B)	(A)	(B)	(A)	(B)	
Too hard to get to work location from Metrorail station or bus stop	19% B	1%	20%	16%	20%	18%	27% B	8%	9%	23% A	17%
Irregular work schedule	14%	4%	12%	15%	18%	16%	16%	13%	8%	19% A	14%
Need/want to come and go from the workplace during the day	11%	0%	8%	10%	12%	7%	16% B	5%	6%	14% A	11%
I take a child/children to and/or from school or child care on the way to/ from work	10%	1%	7%	8%	11%	5%	12%	8%	6%	12% A	10%
Bus or Metrorail is not available or inadequate	9%	1%	11%	9%	14%	10%	12%	7%	4%	13% A	10%
Work reasons/commitments	8%	14%	14% B	6%	8%	13%	14% B	5%	7%	11%	9%
Driving costs less	8%	0%	8%	8%	9%	13%	12% B	5%	5%	11% A	8%
Personal reasons/commitments	7%	2%	8%	8%	12% B	2%	9%	5%	2%	11% A	8%
Too hard to get to Metrorail station or bus stop from home	7%	0%	7%	7%	8%	9%	11% B	3%	5%	8%	7%
I need somewhere to store larger/multiple things (luggage, groceries, other purchases, etc.)	6%	1%	7%	5%	10% B	1%	5%	8%	4%	8%	6%
Don't have shower at work if I walk or bike	4%	0%	2%	5%	4%	4%	5% B	1%	2%	4%	4%
Other modes are not safe	3%	0%	1%	4%	5%	1%	4% B	1%	1%	3%	3%
Don't want to take a shower at work if bike or walk	2%	0%	2%	3%	3%	1%	4% B	0%	3%	1%	2%

If you most often drive to get to work, which of the following are the main reasons? (Please select all that apply.)	Household has private vehicle(s)		Household has bicycle(s)		Use Google Maps or Waze monthly		Commuter free or pre-tax parking (Employed only)		Commuter SmartBenefits, Car/Vanpool or Bikeshare or Bike subsidies (Employed Only)		Overall (A)
	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	
	(A)	(B)	(A)	(B)	(A)	(B)	(A)	(B)	(A)	(B)	
Other:	5%	0%	2%	6%	7%	3%	2%	8% A	2%	6% A	5%

Table 59: Travel Mode for 7 Kinds of Trips by Travel Amenities

Percent of respondents using each mode to complete any of 7 kinds of trips (parks & recreation centers, grocery store, non-grocery errands, restaurants, fun or fitness, visit friends or family, other social activities)	Household has private vehicle(s)		Household has bicycle(s)		Use Google Maps or Waze monthly		Commuter free or pre-tax parking (Employed only)		Commuter SmartBenefits, Car/Vanpool or Bikeshare or Bike subsidies (Employed Only)		Overall (A)
	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	
	(A)	(B)	(A)	(B)	(A)	(B)	(A)	(B)	(A)	(B)	
Percent who ever walk	80%	88%	88% B	75%	84%	83%	80%	80%	80%	80%	79%
Percent who ever bike	14%	15%	32% B	3%	15%	16%	13%	18%	19%	14%	15%
Percent who ever use Capital Bikeshare	8%	29% A	13% B	8%	10% B	2%	9%	12%	9%	12%	9%
Percent who ever bus	19%	79% A	27%	25%	20%	26%	23%	22%	29% B	18%	25%
Percent who ever drive	90% B	4%	82%	81%	90%	86%	86%	81%	79%	86%	82%
Percent who ever carpool	33%	22%	37% B	27%	32%	39%	28%	30%	24%	33% A	31%
Percent who ever use Metrorail	44%	69% A	45%	48%	48%	45%	41%	54% A	55% B	42%	46%
Percent who ever use a taxi/uber	33%	57% A	31%	41% A	39%	34%	31%	38%	37%	33%	35%
Percent who ever do something else	7%	11%	5%	10%	7%	3%	6%	6%	5%	7%	8%

Table 60: Question #6 by Travel Amenities

In the past month, how often did you use a GPS app like Google Maps or Waze to help determine your route to avoid traffic? (Percent daily or a few times week)	Household has private vehicle(s)		Household has bicycle(s)		Use Google Maps or Waze monthly		Commuter free or pre-tax parking (Employed only)		Commuter SmartBenefits, Car/Vanpool or Bikeshare or Bike subsidies (Employed Only)		Overall (A)
	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	
	(A)	(B)	(A)	(B)	(A)	(B)	(A)	(B)	(A)	(B)	
Daily or Near Daily	45% B	15%	43%	41%	100%	0%	52% B	40%	42%	48%	42%

In the past month, how often did you use a GPS app like Google Maps or Waze to help determine your route to avoid traffic? (Percent daily or a few times week)	Household has private vehicle(s)		Household has bicycle(s)		Use Google Maps or Waze monthly		Commuter free or pre-tax parking (Employed only)		Commuter SmartBenefits, Car/Vanpool or Bikeshare or Bike subsidies (Employed Only)		Overall (A)
	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	
	(A)	(B)	(A)	(B)	(A)	(B)	(A)	(B)	(A)	(B)	
Few times per week	29%	20%	33%	26%	0%	100%	26%	28%	28%	26%	27%
Few times per month	17%	18%	16%	17%	0%	0%	12%	19% A	18%	14%	17%
Never	8%	46% A	6%	14% A	0%	0%	9%	12%	9%	11%	12%
One time	2%	2%	2%	2%	0%	0%	2%	1%	2%	1%	2%

Table 61: Question #7 by Travel Amenities

In the past month, how many times, if ever, did you use any of these modes of transportation around Alexandria? (Percent daily or a few times week)	Household has private vehicle(s)		Household has bicycle(s)		Use Google Maps or Waze monthly		Commuter free or pre-tax parking (Employed only)		Commuter SmartBenefits, Car/Vanpool or Bikeshare or Bike subsidies (Employed Only)		Overall (A)
	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	
	(A)	(B)	(A)	(B)	(A)	(B)	(A)	(B)	(A)	(B)	
Walk	92%	97%	97% B	89%	95%	91%	93%	92%	94%	92%	92%
Bike	21%	30%	47% B	5%	24%	23%	19%	29% A	23%	25%	23%
Bikeshare (Capital Bike Share, dockless bikeshare, dockless scooter, escooter)	12%	36% A	21% B	10%	15% B	8%	13%	19%	16%	17%	14%
Drive alone	95% B	4%	88%	85%	95% B	88%	91% B	84%	81%	92% A	87%
Private Vehicle – as driver	77% B	2%	73%	70%	76%	70%	75% B	66%	65%	74%	71%
Private Vehicle – as passenger	60% B	35%	61%	58%	59%	56%	51%	59%	56%	55%	59%
Motorcycle, moped, motorized scooter	3%	19% A	8% B	4%	5%	3%	6%	5%	4%	6%	6%

In the past month, how many times, if ever, did you use any of these modes of transportation around Alexandria? (Percent daily or a few times week)	Household has private vehicle(s)		Household has bicycle(s)		Use Google Maps or Waze monthly		Commuter free or pre-tax parking (Employed only)		Commuter SmartBenefits, Car/Vanpool or Bikeshare or Bike subsidies (Employed Only)		Overall (A)
	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	
	(A)	(B)	(A)	(B)	(A)	(B)	(A)	(B)	(A)	(B)	
Taxi, other hired car service	27%	28%	27%	27%	25%	27%	26%	27%	27%	25%	28%
Carshare (Zipcar, Hertz OnDemand)	2%	5%	3%	2%	3%	2%	2%	3%	3%	2%	2%
Transportation Network Company (TNC such as Uber, Lyft, Via)	61%	65%	62%	63%	70%	65%	62%	65%	73% B	56%	61%
Rail (Metrorail, commuter rail)	66%	76%	72% B	62%	65%	69%	66%	70%	79% B	60%	64%
DASH Bus	34%	80% A	42%	35%	30%	38%	36%	37%	46% B	29%	37%
Metro Bus	21%	66% A	25%	25%	22%	25%	22%	23%	33% B	15%	25%
Multiple transit systems	28%	64% A	38% B	28%	25%	34%	33%	31%	39% B	26%	31%
Carpool, Vanpool	19%	8%	20%	16%	17%	23%	16%	16%	14%	18%	17%
Paratransit (DOT Paratransit, Metro Access)	1%	4%	1%	2%	1%	1%	2%	2%	2%	2%	2%

Table 62: Question #8 by Travel Amenities

To what extent do you agree or disagree that each of the following would increase your use of public transportation (bus or metro) as a means of transportation: (Percent somewhat or strongly agree)	Household has private vehicle(s)		Household has bicycle(s)		Use Google Maps or Waze monthly		Commuter free or pre-tax parking (Employed only)		Commuter SmartBenefits, Car/Vanpool or Bikeshare or Bike subsidies (Employed Only)		Overall (A)
	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	
	(A)	(B)	(A)	(B)	(A)	(B)	(A)	(B)	(A)	(B)	
Services were more reliable	72%	89% A	73%	72%	74%	68%	73%	80%	84% B	71%	72%
Services were more frequent	77%	82%	80%	74%	78%	74%	78%	82%	86% B	75%	76%

To what extent do you agree or disagree that each of the following would increase your use of public transportation (bus or metro) as a means of transportation: (Percent somewhat or strongly agree)	Household has private vehicle(s)		Household has bicycle(s)		Use Google Maps or Waze monthly		Commuter free or pre-tax parking (Employed only)		Commuter SmartBenefits, Car/Vanpool or Bikeshare or Bike subsidies (Employed Only)		Overall (A)
	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	
	(A)	(B)	(A)	(B)	(A)	(B)	(A)	(B)	(A)	(B)	
There were more direct routes/fewer transfers to destinations	77%	81%	81%	76%	81% B	71%	78%	83%	81%	81%	77%
Services were less expensive	48%	65% A	45%	51%	49%	41%	46%	55% A	53%	49%	48%
My travel time were less than if I used a personal vehicle	81% B	60%	84% B	77%	87%	81%	84%	81%	82%	83%	80%
There were routes that stop at my desired destinations	72%	85% A	74%	76%	76%	72%	69%	84% A	81%	74%	74%
There were routes that stop at or near my home	67%	85% A	69%	66%	62%	67%	67%	69%	70%	67%	66%
I felt safer from crime while riding public transportation	52%	63%	51%	54%	54%	50%	54%	55%	54%	55%	52%
I felt safer from crime waiting at the station	52%	63%	53%	53%	54%	49%	54%	55%	53%	55%	52%
I had somewhere to put my things (luggage, groceries, other purchases, etc.)	48%	80% A	41%	58% A	52%	46%	44%	60% A	58% B	49%	51%
Children could ride free on Metro	44%	60% A	43%	46%	41%	40%	43%	47%	47%	44%	44%
Public transportation vehicles were more comfortable	51%	70% A	45%	58% A	54%	51%	46%	61% A	60% B	50%	52%
I do not want to use public transportation	23%	13%	23%	22%	20%	22%	31% B	12%	14%	26% A	23%

Table 63: Question #9 by Travel Amenities

In the last month, about how frequently have you done each of the following? (Percent ever)	Household has private vehicle(s)		Household has bicycle(s)		Use Google Maps or Waze monthly		Commuter free or pre-tax parking (Employed only)		Commuter SmartBenefits, Car/Vanpool or Bikeshare or Bike subsidies (Employed Only)		Overall (A)
	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	
	(A)	(B)	(A)	(B)	(A)	(B)	(A)	(B)	(A)	(B)	
Ridden a bicycle or walked for fun or exercise	27%	36%	51% B	11%	30%	24%	27%	33%	28%	32%	28%
Ran or jogged for fun or exercise	92%	86%	92%	90%	97% B	87%	94%	90%	91%	93%	91%

Table 64: Question #10 by Travel Amenities

To what extent do you agree or disagree that each of the following would increase your use of walking as a means of transportation: (Percent somewhat or strongly agree)	Household has private vehicle(s)		Household has bicycle(s)		Use Google Maps or Waze monthly		Commuter free or pre-tax parking (Employed only)		Commuter SmartBenefits, Car/Vanpool or Bikeshare or Bike subsidies (Employed Only)		Overall (A)
	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	
	(A)	(B)	(A)	(B)	(A)	(B)	(A)	(B)	(A)	(B)	
There were more sidewalks	67%	91% A	67%	72%	68%	66%	64%	76% A	73%	69%	68%
There were more crosswalks	64%	92% A	61%	70% A	65%	62%	60%	75% A	74% B	64%	65%
If the sidewalks and paths were in better condition	69%	90% A	69%	74%	69%	66%	64%	80% A	81% B	67%	70%
There was more off-street walking or multi-use paths,trails	79%	87%	81%	78%	78%	78%	81%	81%	80%	81%	79%
There was more street lighting after dark	77%	86%	74%	82% A	82%	79%	78%	81%	83%	78%	77%
I had access to public or workplace showers	26%	13%	22%	25%	25%	23%	22%	27%	25%	24%	23%
I felt more safe from traffic while walking	75%	84%	72%	76%	70%	73%	70%	80% A	81% B	72%	73%
I felt more safe from crime while walking	63%	79% A	57%	65%	64% B	48%	65%	63%	65%	63%	61%
It didn't take longer to walk to my destinations than to drive	74%	69%	71%	72%	74%	73%	80% B	70%	77%	74%	72%
I do not want to walk as a means of transportation	25% B	5%	16%	24% A	18%	24%	25% B	18%	12%	27% A	23%

Table 65: Question #11 by Travel Amenities

To what extent do you agree or disagree that each of the following would increase your use of a bicycle as a means of transportation: (Percent somewhat or strongly agree)	Household has private vehicle(s)		Household has bicycle(s)		Use Google Maps or Waze monthly		Commuter free or pre-tax parking (Employed only)		Commuter SmartBenefits, Car/Vanpool or Bikeshare or Bike subsidies (Employed Only)		Overall (A)
	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	
	(A)	(B)	(A)	(B)	(A)	(B)	(A)	(B)	(A)	(B)	
There were more on-street bike lanes	50%	80% A	61% B	48%	55%	49%	49%	66% A	64% B	54%	53%
There was more off-street bike or multi-use paths, trails	61%	80% A	78% B	54%	64%	67%	61%	72% A	72% B	63%	63%
There was more street lighting after dark	55%	67%	64% B	54%	59%	56%	57%	64%	63%	59%	57%
I had access to a bicycle	41%	61% A	27%	53% A	42%	39%	45%	47%	47%	46%	42%
I had access to an electric/pedal assist bicycle	39%	62% A	37%	47% A	41%	40%	40%	48%	46%	42%	41%
I had access to public or workplace showers	28%	17%	27%	26%	26%	23%	25%	31%	23%	31%	26%
I had a place to securely store a bicycle at work	45%	46%	51% B	40%	41%	46%	46%	49%	44%	51%	45%
There were places to securely park a bicycle at other destinations	60%	67%	71% B	53%	56%	64%	60%	69%	64%	65%	60%
I felt more safe from traffic while riding a bicycle	68%	82%	77% B	64%	66%	76% A	68%	74%	74%	70%	69%
I felt more safe from crime while riding a bicycle	44%	45%	46%	44%	44%	41%	44%	47%	41%	49%	44%
It didn't take longer to ride a bicycle to my destinations than to drive	58%	54%	64% B	52%	56%	60%	57%	66%	60%	62%	58%
I knew how to ride a bike	21%	18%	6% A	31% A	25% B	15%	18%	24%	20%	22%	21%
If there were more Capital Bikeshare stations	36%	47%	30%	41% A	37%	34%	38%	41%	38%	40%	36%

To what extent do you agree or disagree that each of the following would increase your use of a bicycle as a means of transportation: (Percent somewhat or strongly agree)	Household has private vehicle(s)		Household has bicycle(s)		Use Google Maps or Waze monthly		Commuter free or pre-tax parking (Employed only)		Commuter SmartBenefits, Car/Vanpool or Bikeshare or Bike subsidies (Employed Only)		Overall (A)
	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	
	(A)	(B)	(A)	(B)	(A)	(B)	(A)	(B)	(A)	(B)	
I do not want to use a bicycle as a means of transportation	47%	41%	25%	59% A	43%	47%	40%	43%	40%	43%	46%

Table 66: Question #12 by Travel Amenities

Did you know that all DASH buses in Alexandria are free to ride?	Household has private vehicle(s)		Household has bicycle(s)		Use Google Maps or Waze monthly		Commuter free or pre-tax parking (Employed only)		Commuter SmartBenefits, Car/Vanpool or Bikeshare or Bike subsidies (Employed Only)		Overall (A)
	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	
	(A)	(B)	(A)	(B)	(A)	(B)	(A)	(B)	(A)	(B)	
Yes	75%	92% A	79%	73%	72%	77%	73%	76%	81% B	70%	76%
No	25% B	8%	21%	27%	28%	23%	27%	24%	19%	30% A	24%
Total	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%

Table 67: Question #13 by Travel Amenities

Have you heard of GO Alex, the City’s program that helps people find transportation options?	Household has private vehicle(s)		Household has bicycle(s)		Use Google Maps or Waze monthly		Commuter free or pre-tax parking (Employed only)		Commuter SmartBenefits, Car/Vanpool or Bikeshare or Bike subsidies (Employed Only)		Overall (A)
	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	
	(A)	(B)	(A)	(B)	(A)	(B)	(A)	(B)	(A)	(B)	
Yes	16%	25%	22%	16%	17%	20%	19%	18%	21%	17%	18%
No	84%	75%	78%	84%	83%	80%	81%	82%	79%	83%	82%
Total	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%

Table 68: Question #14 by Travel Amenities

Do you have school-aged children?	Household has private vehicle(s)		Household has bicycle(s)		Use Google Maps or Waze monthly		Commuter free or pre-tax parking (Employed only)		Commuter SmartBenefits, Car/Vanpool or Bikeshare or Bike subsidies (Employed Only)		Overall (A)
	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	
	(A)	(B)	(A)	(B)	(A)	(B)	(A)	(B)	(A)	(B)	
Yes	14% B	1%	16% B	9%	17% B	8%	19% B	12%	14%	16%	13%
No	86%	99% A	84%	91% A	83%	92% A	81%	88% A	86%	84%	87%
Total	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%

Table 69: Question #15 by Travel Amenities

Please indicate how your child(ren) typically travel to/from school? (Please select all that apply.)	Household has private vehicle(s)		Household has bicycle(s)		Use Google Maps or Waze monthly		Commuter free or pre-tax parking (Employed only)		Commuter SmartBenefits, Car/Vanpool or Bikeshare or Bike subsidies (Employed Only)		Overall (A)
	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	
	(A)	(B)	(A)	(B)	(A)	(B)	(A)	(B)	(A)	(B)	
Driven by caregiver	55%	0%	52%	52%	50%	57%	68% B	38%	56%	55%	53%
Walk	35%	0%	49% B	22%	42%	75% A	21%	59% A	44%	33%	38%
School bus	33%	0%	43%	28%	33%	22%	25%	32%	20%	33%	31%
Carpool	17%	0%	14%	11%	14%	19%	28%	15%	13%	27%	19%
Public transportation	15%	0%	4%	21% A	17%	5%	9%	13%	0%	17%	14%
Bike	4%	0%	16%	0%	6%	31% A	3%	20% A	23% B	3%	9%
Other	9%	0%	5%	15%	7%	5%	11%	3%	0%	12%	8%
Drive themselves alone	6%	0%	8%	7%	11%	3%	3%	12%	7%	7%	8%
Driven by taxi, Uber, Lyft, etc.	5%	0%	4%	7%	3%	3%	3%	0%	0%	3%	4%

Table 70: Question #16 by Travel Amenities

If your children are driven to school or drive themselves, please indicate which, if any, of the following factors discourage you from using other modes of transportation for your child(ren) to/from school (please select all that apply):	Household has private vehicle(s)		Household has bicycle(s)		Use Google Maps or Waze monthly		Commuter free or pre-tax parking (Employed only)		Commuter SmartBenefits, Car/Vanpool or Bikeshare or Bike subsidies (Employed Only)		Overall (A)
	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	
	(A)	(B)	(A)	(B)	(A)	(B)	(A)	(B)	(A)	(B)	
Distance to school	72%	0%	50%	87%	76%	55%	60%	67%	62%	63%	64%
Not safe	30%	100%	20%	31%	35%	12%	19%	27%	13%	28%	28%
Takes too long to use other modes	24%	0%	38% B	11%	27%	14%	18%	27%	18%	23%	26%
Inconvenient to use other modes	27%	0%	31%	25%	19%	9%	34%	15%	19%	32%	25%
Other	14%	0%	21%	16%	24%	30%	25%	15%	34%	13%	18%
Lack of sidewalks, bike lanes	15%	0%	3%	16%	16%	0%	7%	14%	0%	16%	13%
Cost	4%	0%	0%	8%	0%	0%	0%	0%	0%	0%	3%
Do not have access to public transportation	3%	0%	6%	0%	5%	0%	5%	0%	0%	5%	3%
Do not have access to a bicycle	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

By Presence of School-age Children in Household and Respondent Age

Table 71: Question #1 by Children and Age

What is your employment status?	Do you have school-aged children?		Age of Respondent			Overall (A)
	Yes	No	18-34	35-54	55+	
	(A)	(B)	(A)	(B)	(C)	
Employed full- or part-time	92% B	78%	96% C	91% C	42%	80%
Not employed, not looking for work (retired, stay-at-home parent, etc.)	5%	16% A	1%	2%	51% A B	15%
Currently not employed	2%	6%	2%	6%	7%	5%

Table 72: Work Commute Mode Share by Children and Age

Work Commute Mode Share	Do you have school-aged children?		Age of Respondent			Overall (A)
	Yes	No	18-34	35-54	55+	
	(A)	(B)	(A)	(B)	(C)	
Average percent of work trips made by walking	8%	16% A	21% B C	11%	11%	15%
Average percent of work trips made by bike	3%	1%	1%	2%	1%	2%
Average percent of work trips made by Capital Bikeshare	1%	1%	2%	1%	0%	1%
Average percent of work trips made by bus	2%	6% A	3%	5%	13% A B	6%
Average percent of work trips made by driving alone	60% B	32%	26%	41% A	45% A	36%
Average percent of work trips made by carpooling/driving with others	2%	4%	5%	3%	1%	3%
Average percent of work trips made Metrorail	6%	13% A	15% B	10%	10%	12%
Average percent of work trips made taxi/uber	1%	1%	0%	1% A	1%	1%
Average percent of work trips made by VRE commuter rail	0%	0%	0%	0%	0%	0%

Work Commute Mode Share	Do you have school-aged children?		Age of Respondent			Overall (A)
	Yes	No	18-34	35-54	55+	
	(A)	(B)	(A)	(B)	(C)	
Average percent of work trips replaced by working at home	16%	25% A	28% C	23%	14%	23%
Average percent of work trips made by other modes	0%	1%	0%	1%	3%	1%

Table 73: Commute Trips by Employed Respondents via Each Mode in Previous Week by Children and Age

Percent of Employed Respondents Who Made at Least One Work Commute Trip via Each Mode in Previous Week	Do you have school-aged children?		Age of Respondent			Overall (A)
	Yes	No	18-34	35-54	55+	
	(A)	(B)	(A)	(B)	(C)	
Percent making any work trips in last week by walking	17%	41% A	47% B C	33%	26%	37%
Percent making any work trips in last week by bike	7%	4%	3%	7%	3%	4%
Percent making any work trips in last week by Capital Bikeshare	2%	3%	5% C	2%	0%	3%
Percent making any work trips in last week by bus	5%	18% A	11%	19%	28% A	17%
Percent making any work trips in last week by driving alone	75% B	48%	37%	61% A	63% A	52%
Percent making any work trips in last week by carpooling/driving with others	7%	8%	9%	9%	3%	8%
Percent making any work trips in last week by Metrorail	17%	37% A	38%	33%	25%	34%
Percent making any work trips in last week by taxi/uber	6%	5%	2%	10% A	5%	6%
Percent making any work trips in last week by VRE commuter rail	0%	0%	1%	0%	0%	0%
Percent working at home at least once	30%	45% A	46% C	45% C	27%	42%
Percent making any work trips in last week by other modes	1%	3%	0%	4%	5%	3%

Table 74: Commute Trips by Employed Respondents via Transit in Previous Week by Children and Age

Percent of Employed Respondents Who Made at Least One Work Commute Trip via Transit in Previous Week	Do you have school-aged children?		Age of Respondent			Overall (A)
	Yes	No	18-34	35-54	55+	
	(A)	(B)	(A)	(B)	(C)	
Took transit (bus, Metrorail and/or VRE commuter rail) any day in previous week	17%	41% A	41%	37%	35%	38%
Took transit AND walked on same day on any day in previous week	11%	29% A	31% C	27%	16%	27%
Took transit AND biked on same day on any day in previous week	1%	2%	1%	2%	1%	1%

Table 75: Commute Trips by Employed Respondents via Each Mode in Previous Week by Children and Age

Percent of Employed Respondents Who Made at Least One Work Commute Trip via Each Mode in Previous Week	Do you have school-aged children?		Age of Respondent			Overall (A)
	Yes	No	18-34	35-54	55+	
	(A)	(B)	(A)	(B)	(C)	
Percent making any work trips in last week by walking	17%	41% A	47% B C	33%	26%	37%
Percent making any work trips in last week by bike	7%	4%	3%	7%	3%	4%
Percent making any work trips in last week by Capital Bikeshare	2%	3%	5% C	2%	0%	3%
Percent making any work trips in last week by bus	5%	18% A	11%	19%	28% A	17%
Percent making any work trips in last week by driving alone	75% B	48%	37%	61% A	63% A	52%
Percent making any work trips in last week by carpooling/driving with others	7%	8%	9%	9%	3%	8%
Percent making any work trips in last week by Metrorail	17%	37% A	38%	33%	25%	34%
Percent making any work trips in last week by taxi/uber	6%	5%	2%	10% A	5%	6%
Percent making any work trips in last week by VRE commuter rail	0%	0%	1%	0%	0%	0%

Percent of Employed Respondents Who Made at Least One Work Commute Trip via Each Mode in Previous Week	Do you have school-aged children?		Age of Respondent			Overall
	Yes	No	18-34	35-54	55+	(A)
	(A)	(B)	(A)	(B)	(C)	
Percent making any work trips in last week by working at home	30%	45% A	46% C	45% C	27%	42%
Percent making any work trips in last week by other modes	1%	3%	0%	4%	5%	3%

Table 76: Question #3 by Children and Age

Does your employer offer any of the following commuter benefits? (Select all that apply.)	Do you have school-aged children?		Age of Respondent			Overall
	Yes	No	18-34	35-54	55+	(A)
	(A)	(B)	(A)	(B)	(C)	
Free Parking	61% B	45%	41%	53%	52%	48%
SmartBenefits (Subsidized transit)	41%	49%	40%	53%	53%	47%
Pre-Tax Parking	1%	11% A	11%	10%	6%	10%
Bikeshare/Dockless Mobility memberships or bicycle subsidies	2%	8%	6%	7%	12%	7%
Carpool or Vanpool Program	4%	6%	6%	4%	8%	5%
Other	12%	9%	12%	7%	8%	10%

Table 77: Question #4 by Children and Age

If you most often drive to get to work, which of the following are the main reasons? (Please select all that apply.)*	Do you have school-aged children?		Age of Respondent			Overall (A)
	Yes	No	18-34	35-54	55+	
	(A)	(B)	(A)	(B)	(C)	
Quickest/most convenient	52%	48%	47%	47%	51%	49%
Don't usually drive alone to get to work	18%	32% A	36%	29%	20%	30%
Need/want to make stops/run errands on the way to/from work	15%	25%	26%	19%	28%	24%
Privacy	24%	18%	23% C	17%	8%	19%
Too hard to get to work location from Metrorail station or bus stop	14%	18%	18%	16%	19%	17%
Irregular work schedule	17%	14%	8%	19% A	20% A	14%
Need/want to come and go from the workplace during the day	17%	10%	9%	9%	25% A B	11%
I take a child/children to and/or from school or child care on the way to/ from work	50% B	2%	7%	14%	4%	10%
Bus or Metrorail is not available or inadequate	8%	10%	12%	8%	11%	10%
Work reasons/commitments	11%	9%	9%	7%	18% B	9%
Driving costs less	9%	8%	7%	8%	14%	8%
Personal reasons/commitments	3%	9%	8%	7%	7%	8%
Too hard to get to Metrorail station or bus stop from home	7%	7%	5%	8%	9%	7%
I need somewhere to store larger/multiple things (luggage, groceries, other purchases, etc.)	7%	6%	7%	5%	7%	6%
Don't have shower at work if I walk or bike	3%	4%	2%	4%	8%	4%
Other modes are not safe	4%	3%	2%	4%	1%	3%
Don't want to take a shower at work if bike or walk	1%	2%	2%	1%	5%	2%
Other:	4%	5%	6%	2%	7%	5%

Table 78: Travel Mode for 7 Kinds of Trips by Children and Age

Percent of respondents using each mode to complete any of 7 kinds of trips (parks & recreation centers, grocery store, non-grocery errands, restaurants, fun or fitness, visit friends or family, other social activities)	Do you have school-aged children?		Age of Respondent			Overall (A)
	Yes	No	18-34	35-54	55+	
	(A)	(B)	(A)	(B)	(C)	
Percent who ever walk	74%	81%	87% C	80% C	69%	79%
Percent who ever bike	24% B	14%	16%	18% C	9%	15%
Percent who ever use Capital Bikeshare	6%	10%	17% B C	7%	2%	9%
Percent who ever bus	15%	25%	25%	24%	25%	25%
Percent who ever drive	98% B	81%	75%	87% A	84%	82%
Percent who ever carpool	27%	31%	38% B	27%	27%	31%
Percent who ever use Metrorail	29%	48% A	62% B C	41%	31%	46%
Percent who ever use a taxi/uber	23%	37% A	38% C	40% C	25%	35%
Percent who ever do something else	7%	8%	5%	7%	12% A	8%

Table 79: Question #6 by Children and Age

In the past month, how often did you use a GPS app like Google Maps or Waze to help determine your route to avoid traffic? (Percent daily or a few times week)	Do you have school-aged children?		Age of Respondent			Overall (A)
	Yes	No	18-34	35-54	55+	
	(A)	(B)	(A)	(B)	(C)	
Daily or Near Daily	54% B	40%	47% C	49% C	25%	42%
Few times per week	17%	29% A	25%	26%	31%	27%
Few times per month	16%	17%	15%	16%	20%	17%
Never	13%	12%	11%	7%	21% A B	12%
One time	1%	2%	2%	2%	3%	2%

Table 80: Question #7 by Children and Age

In the past month, how many times, if ever, did you use any of these modes of transportation around Alexandria? (Percent daily or a few times week)	Do you have school-aged children?		Age of Respondent			Overall (A)
	Yes	No	18-34	35-54	55+	
	(A)	(B)	(A)	(B)	(C)	
Walk	96%	92%	93%	94%	88%	92%
Bike	38% B	21%	27% C	27% C	13%	23%
Bikeshare (Capital Bike Share, dockless bikeshare, dockless scooter, e-scooter)	13%	14%	21% C	13%	6%	14%
Drive alone	98% B	86%	81%	89% A	91% A	87%
Private Vehicle – as driver	88% B	69%	66%	73%	77%	71%
Private Vehicle – as passenger	64%	58%	62%	51%	66% B	59%
Motorcycle, moped, motorized scooter	11% B	5%	5%	8%	3%	6%

In the past month, how many times, if ever, did you use any of these modes of transportation around Alexandria? (Percent daily or a few times week)	Do you have school-aged children?		Age of Respondent			Overall (A)
	Yes	No	18-34	35-54	55+	
	(A)	(B)	(A)	(B)	(C)	
Taxi, other hired car service	40% B	26%	12%	37% A	36% A	28%
Carshare (Zipcar, Hertz OnDemand)	9% B	1%	0%	4%	4%	2%
Transportation Network Company (TNC such as Uber, Lyft, Via)	53%	62%	64% C	69% C	46%	61%
Rail (Metrorail, commuter rail)	56%	65%	72% C	68% C	50%	64%
DASH Bus	29%	38%	35%	39%	39%	37%
Metro Bus	16%	25%	25%	23%	26%	25%
Multiple transit systems	23%	31%	35%	28%	29%	31%
Carpool, Vanpool	18%	17%	26% B C	15%	9%	17%
Paratransit (DOT Paratransit, Metro Access)	0%	2%	0%	3%	3%	2%

Table 81: Question #8 by Children and Age

To what extent do you agree or disagree that each of the following would increase your use of public transportation (bus or metro) as a means of transportation: (Percent somewhat or strongly agree)	Do you have school-aged children?		Age of Respondent			Overall (A)
	Yes	No	18-34	35-54	55+	
	(A)	(B)	(A)	(B)	(C)	
Services were more reliable	61%	73% A	84% B C	69% C	56%	72%
Services were more frequent	69%	77%	88% B C	72%	62%	76%
There were more direct routes/fewer transfers to destinations	74%	77%	89% B C	74% C	62%	77%
Services were less expensive	42%	49%	58% B C	43%	42%	48%
My travel time were less than if I used a personal vehicle	79%	80%	86% C	80%	69%	80%
There were routes that stop at my desired destinations	68%	74%	83% B C	70%	64%	74%
There were routes that stop at or near my home	68%	65%	70% C	68%	56%	66%
I felt safer from crime while riding public transportation	37%	54% A	63% B C	47%	44%	52%
I felt safer from crime waiting at the station	43%	54%	62% B C	48%	42%	52%
I had somewhere to put my things (luggage, groceries, other purchases, etc.)	41%	52%	59% C	48%	42%	51%
Children could ride free on Metro	58% B	42%	45%	47%	36%	44%
Public transportation vehicles were more comfortable	40%	54% A	63% B C	46%	45%	52%
I do not want to use public transportation	40% B	21%	16%	22%	37% A B	23%

Table 82: Question #9 by Children and Age

In the last month, about how frequently have you done each of the following? (Percent ever)	Do you have school-aged children?		Age of Respondent			Overall (A)
	Yes	No	18-34	35-54	55+	
	(A)	(B)	(A)	(B)	(C)	
Ridden a bicycle or walked for fun or exercise	44% B	27%	33% C	32% C	17%	28%
Ran or jogged for fun or exercise	99% B	90%	91%	94%	87%	91%

Table 83: Question #10 by Children and Age

To what extent do you agree or disagree that each of the following would increase your use of walking as a means of transportation: (Percent somewhat or strongly agree)	Do you have school-aged children?		Age of Respondent			Overall (A)
	Yes	No	18-34	35-54	55+	
	(A)	(B)	(A)	(B)	(C)	
There were more sidewalks	57%	70% A	75% C	68%	58%	68%
There were more crosswalks	54%	67% A	72% C	66% C	53%	65%
If the sidewalks and paths were in better condition	55%	72% A	76% C	71%	60%	70%
There was more off-street walking or multi-use paths, trails	75%	80%	87% B C	77%	71%	79%
There was more street lighting after dark	72%	78%	86% B C	76%	65%	77%
I had access to public or workplace showers	32% B	22%	23%	26%	19%	23%
I felt more safe from traffic while walking	62%	74% A	79% C	71%	66%	73%
I felt more safe from crime while walking	58%	62%	72% B C	56%	52%	61%
It didn't take longer to walk to my destinations than to drive	73%	71%	75% C	74%	62%	72%
I do not want to walk as a means of transportation	28%	22%	21%	18%	35% A B	23%

Table 84: Question #11 by Children and Age

To what extent do you agree or disagree that each of the following would increase your use of a bicycle as a means of transportation: (Percent somewhat or strongly agree)	Do you have school-aged children?		Age of Respondent			Overall (A)
	Yes	No	18-34	35-54	55+	
	(A)	(B)	(A)	(B)	(C)	
There were more on-street bike lanes	49%	54%	66% B C	53% C	34%	53%
There was more off-street bike or multi-use paths, trails	57%	64%	76% B C	61% C	46%	63%
There was more street lighting after dark	54%	57%	69% B C	55% C	41%	57%
I had access to a bicycle	30%	44% A	61% B C	33%	25%	42%
I had access to an electric/pedal assist bicycle	27%	43% A	52% B C	37%	29%	41%
I had access to public or workplace showers	34%	25%	27%	30% C	17%	26%
I had a place to securely store a bicycle at work	53%	44%	52% C	46% C	30%	45%
There were places to securely park a bicycle at other destinations	64%	60%	74% B C	59% C	42%	60%
I felt more safe from traffic while riding a bicycle	60%	71%	81% B C	66%	56%	69%
I felt more safe from crime while riding a bicycle	42%	45%	55% B C	37%	38%	44%
It didn't take longer to ride a bicycle to my destinations than to drive	58%	57%	68% C	57% C	41%	58%
I knew how to ride a bike	22%	20%	27% C	20%	13%	21%
If there were more Capital Bikeshare stations	32%	36%	48% B C	33%	20%	36%
I do not want to use a bicycle as a means of transportation	43%	46%	35%	48% A	58% A	46%

Table 85: Question #12 by Children and Age

Did you know that all DASH buses in Alexandria are free to ride?	Do you have school-aged children?		Age of Respondent			Overall (A)
	Yes	No	18-34	35-54	55+	
	(A)	(B)	(A)	(B)	(C)	
Yes	80%	75%	70%	79%	80%	76%
No	20%	25%	30%	21%	20%	24%
Total	100%	100%	100%	100%	100%	100%

Table 86: Question #13 by Children and Age

Have you heard of GO Alex, the City’s program that helps people find transportation options?	Do you have school-aged children?		Age of Respondent			Overall (A)
	Yes	No	18-34	35-54	55+	
	(A)	(B)	(A)	(B)	(C)	
Yes	25%	17%	14%	21%	18%	18%
No	75%	83%	86%	79%	82%	82%
Total	100%	100%	100%	100%	100%	100%

Table 87: Question #14 by Children and Age

Do you have school-aged children?	Do you have school-aged children?		Age of Respondent			Overall (A)
	Yes	No	55+	35-54	18-34	
	(A)	(B)	(A)	(B)	(C)	
Yes	100%	0%	5%	30% A C	3%	13%
No	0%	100%	95% B	70%	97% B	87%
Total	100%	100%	100%	100%	100%	100%

Table 88: Question #15 by Children and Age

Please indicate how your child(ren) typically travel to/from school? (Please select all that apply.)	Do you have school-aged children?		Age of Respondent			Overall (A)
	Yes	No	18-34	35-54	55+	
	(A)	(B)	(A)	(B)	(C)	
Driven by caregiver	53%	.	79%	48%	65%	53%
Walk	38%	.	21%	44%	6%	38%
School bus	31%	.	0%	36%	22%	31%
Carpool	19%	.	79% B	15%	0%	19%
Public transportation	14%	.	21%	12%	23%	14%
Bike	9%	.	0%	10%	7%	9%
Other	8%	.	0%	9%	8%	8%
Drive themselves alone	8%	.	0%	9%	5%	8%
Driven by taxi, Uber, Lyft, etc.	4%	.	0%	5%	5%	4%

Table 89: Question #16 by Children and Age

If your children are driven to school or drive themselves, please indicate which, if any, of the following factors discourage you from using other modes of transportation for your child(ren) to/from school (please select all that apply):	Do you have school-aged children?		Age of Respondent			Overall (A)
	Yes	No	18-34	35-54	55+	
	(A)	(B)	(A)	(B)	(C)	
Distance to school	64%	.	0%	67%	44%	64%
Not safe	28%	.	0%	28%	28%	28%
Takes too long to use other modes	27%	.	0%	28%	14%	26%
Inconvenient to use other modes	25%	.	0%	24%	28%	25%
Lack of sidewalks, bike lanes	18%	.	0%	17%	27%	18%
Cost	12%	.	0%	14%	5%	13%
Do not have access to public transportation	3%	.	0%	4%	0%	3%
Do not have access to a bicycle	3%	.	0%	3%	0%	3%
Other	0%	.	0%	0%	0%	0%

By Respondent Gender, Race, and Ethnicity

Table 90: Question #1 by Respondent Gender, Race and Ethnicity

What is your employment status?	Gender		Race			Ethnicity		Overall (A)
	Male	Female	White	Black	Multi/ Other	Not Hispanic	Hispanic	
	(A)	(B)	(A)	(B)	(C)	(A)	(B)	
Employed full- or part-time	82%	78%	77%	84%	87%	80%	85%	80%
Not employed, not looking for work (retired, stay-at-home parent, etc.)	13%	17%	18%	11%	8%	15%	11%	15%
Currently not employed	5%	5%	5%	4%	5%	5%	4%	5%

Table 91: Work Commute Mode Share by Respondent Gender, Race and Ethnicity

Work Commute Mode Share	Gender		Race			Ethnicity		Overall (A)
	Male	Female	White	Black	Multi/ Other	Not Hispanic	Hispanic	
	(A)	(B)	(A)	(B)	(C)	(A)	(B)	
Average percent of work trips made by walking	14%	16%	17%	14%	13%	16%	11%	15%
Average percent of work trips made by bike	3%	1%	2%	0%	0%	2%	1%	2%
	B		B					
Average percent of work trips made by Capital Bikeshare	2%	0%	0%	2%	2%	1%	0%	1%
	B							
Average percent of work trips made by bus	4%	7%	4%	8%	7%	5%	5%	6%
				A				
Average percent of work trips made by driving alone	34%	36%	33%	46%	30%	37%	30%	36%
				A C				
Average percent of work trips made by carpooling/driving with others	4%	3%	3%	3%	8%	2%	9%	3%
					A		A	
Average percent of work trips made Metrorail	13%	11%	16%	2%	11%	12%	13%	12%
			B		B			
Average percent of work trips made taxi/uber	1%	1%	1%	2%	0%	1%	0%	1%
						B		

Work Commute Mode Share	Gender		Race			Ethnicity		Overall (A)
	Male	Female	White	Black	Multi/ Other	Not Hispanic	Hispanic	
	(A)	(B)	(A)	(B)	(C)	(A)	(B)	
Average percent of work trips made by VRE commuter rail	0%	0%	0%	0%	0%	0%	0%	0%
Average percent of work trips replaced by working at home	25%	23%	24%	23%	27%	23%	30%	23%
Average percent of work trips made by other modes	1%	1%	1%	2%	1%	1%	1%	1%

Table 92: Commute Trips by Employed Respondents via Each Mode in Previous Week by Respondent Gender, Race and Ethnicity

Percent of Employed Respondents Who Made at Least One Work Commute Trip via Each Mode in Previous Week	Gender		Race			Ethnicity		Overall (A)
	Male	Female	White	Black	Multi/ Other	Not Hispanic	Hispanic	
	(A)	(B)	(A)	(B)	(C)	(A)	(B)	
Percent making any work trips in last week by walking	36%	39%	43% B	25%	38%	39%	34%	37%
Percent making any work trips in last week by bike	8% B	1%	6% B	0%	3%	5%	2%	4%
Percent making any work trips in last week by Capital Bikeshare	5% B	1%	2%	5%	4%	4%	0%	3%
Percent making any work trips in last week by bus	16%	18%	14%	18%	22%	16%	18%	17%
Percent making any work trips in last week by driving alone	53%	49%	51%	56%	48%	52%	53%	52%
Percent making any work trips in last week by carpooling/driving with others	7%	9%	8%	3%	14% B	7%	15% A	8%
Percent making any work trips in last week by Metrorail	36%	32%	42% B	9%	34% B	34%	36%	34%
Percent making any work trips in last week by taxi/uber	4%	7%	6%	6%	5%	7%	3%	6%
Percent making any work trips in last week by VRE commuter rail	0%	0%	1%	0%	0%	0%	0%	0%
Percent working at home at least once	44%	40%	47% B	32%	41%	41%	50%	42%
Percent making any work trips in last week by other modes	2%	3%	2%	4%	2%	2%	3%	3%

Table 93: Commute Trips by Employed Respondents via Transit in Previous Week by Respondent Gender, Race and Ethnicity

Percent of Employed Respondents Who Made at Least One Work Commute Trip via Transit in Previous Week	Gender		Race			Ethnicity		Overall (A)
	Male	Female	White	Black	Multi/Other	Not Hispanic	Hispanic	
	(A)	(B)	(A)	(B)	(C)	(A)	(B)	
Took transit (bus, Metrorail and/or VRE commuter rail) any day in previous week	39%	37%	44% B	19%	40% B	37%	44%	38%
Took transit AND walked on same day on any day in previous week	27%	26%	31% B	13%	33% B	29% B	18%	27%
Took transit AND biked on same day on any day in previous week	2% B	0%	2%	0%	1%	1%	2%	1%

Table 94: Commute Trips by Employed Respondents via Each Mode in Previous Week by Respondent Gender, Race and Ethnicity

Percent of Employed Respondents Who Made at Least One Work Commute Trip via Each Mode in Previous Week	Gender		Race			Ethnicity		Overall (A)
	Male	Female	White	Black	Multi/Other	Not Hispanic	Hispanic	
	(A)	(B)	(A)	(B)	(C)	(A)	(B)	
Percent making any work trips in last week by walking	36%	39%	43% B	25%	38%	39%	34%	37%
Percent making any work trips in last week by bike	8% B	1%	6% B	0%	3%	5%	2%	4%
Percent making any work trips in last week by Capital Bikeshare	5% B	1%	2%	5%	4%	4%	0%	3%
Percent making any work trips in last week by bus	16%	18%	14%	18%	22%	16%	18%	17%
Percent making any work trips in last week by driving alone	53%	49%	51%	56%	48%	52%	53%	52%
Percent making any work trips in last week by carpooling/driving with others	7%	9%	8%	3%	14% B	7%	15% A	8%
Percent making any work trips in last week by Metrorail	36%	32%	42% B	9%	34% B	34%	36%	34%
Percent making any work trips in last week by taxi/uber	4%	7%	6%	6%	5%	7%	3%	6%
Percent making any work trips in last week by VRE commuter rail	0%	0%	1%	0%	0%	0%	0%	0%
Percent making any work trips in last week by working at home	44%	40%	47% B	32%	41%	41%	50%	42%

Percent of Employed Respondents Who Made at Least One Work Commute Trip via Each Mode in Previous Week	Gender		Race			Ethnicity		Overall (A)
	Male	Female	White	Black	Multi/Other	Not Hispanic	Hispanic	
	(A)	(B)	(A)	(B)	(C)	(A)	(B)	
Percent making any work trips in last week by other modes	2%	3%	2%	4%	2%	2%	3%	3%

Table 95: Question #3 by Respondent Gender, Race and Ethnicity

Does your employer offer any of the following commuter benefits? (Select all that apply.)	Gender		Race			Ethnicity		Overall (A)
	Male	Female	White	Black	Multi/Other	Not Hispanic	Hispanic	
	(A)	(B)	(A)	(B)	(C)	(A)	(B)	
Free Parking	46%	49%	48%	47%	45%	48%	45%	48%
SmartBenefits (Subsidized transit)	48%	48%	54% B	31%	49%	46%	62% A	47%
Pre-Tax Parking	8%	12%	10%	15% C	1%	11%	4%	10%
Bikeshare/Dockless Mobility memberships or bicycle subsidies	9%	5%	7%	5%	7%	5%	16% A	7%
Carpool or Vanpool Program	4%	7%	6%	8%	1%	6%	0%	5%
Other	12%	8%	8%	17% A	9%	11%	0%	10%

Table 96: Question #4 by Respondent Gender, Race and Ethnicity

If you most often drive to get to work, which of the following are the main reasons? (Please select all that apply.)	Gender		Race			Ethnicity		Overall (A)
	Male	Female	White	Black	Multi/Other	Not Hispanic	Hispanic	
	(A)	(B)	(A)	(B)	(C)	(A)	(B)	
Quickest/most convenient	44%	53% A	45%	52%	53%	46%	58%	49%
Don't usually drive alone to get to work	32%	29%	40% B	9%	26% B	31%	32%	30%
Need/want to make stops/run errands on the way to/from work	16%	31% A	24%	20%	25%	23%	25%	24%

If you most often drive to get to work, which of the following are the main reasons? (Please select all that apply.)	Gender		Race			Ethnicity		Overall (A)
	Male	Female	White	Black	Multi/Other	Not Hispanic	Hispanic	
	(A)	(B)	(A)	(B)	(C)	(A)	(B)	
Privacy	15%	22%	12%	38% A C	13%	17%	26%	19%
Too hard to get to work location from Metrorail station or bus stop	22% B	13%	19%	12%	19%	17%	18%	17%
Irregular work schedule	14%	14%	17%	8%	12%	14%	15%	14%
Need/want to come and go from the workplace during the day	10%	13%	9%	15%	10%	12% B	4%	11%
I take a child/children to and/or from school or child care on the way to/ from work	5%	15% A	5%	23% A C	7%	10%	8%	10%
Bus or Metrorail is not available or inadequate	9%	10%	10%	13%	4%	10%	6%	10%
Work reasons/commitments	13% B	6%	7%	10%	14%	9%	8%	9%
Driving costs less	10%	7%	7%	6%	17% A	8%	10%	8%
Personal reasons/commitments	5%	11% A	6%	15% A C	3%	8%	4%	8%
Too hard to get to Metrorail station or bus stop from home	9% B	4%	8%	5%	7%	7%	7%	7%
I need somewhere to store larger/multiple things (luggage, groceries, other purchases, etc.)	4%	8%	6%	0%	15% A	4%	19% A	6%
Don't have shower at work if I walk or bike	2%	5%	4%	5%	0%	4%	4%	4%
Other modes are not safe	2%	3%	3%	3%	0%	3%	3%	3%
Don't want to take a shower at work if bike or walk	1%	3%	3%	0%	2%	2%	4%	2%
Other	7% B	1%	2%	12% A	3%	5%	0%	5%

Table 97: Travel Mode for 7 Kinds of Trips by Respondent Gender, Race and Ethnicity

Percent of respondents using each mode to complete any of 7 kinds of trips (parks & recreation centers, grocery store, non-grocery errands, restaurants, fun or fitness, visit friends or family, other social activities)	Gender		Race			Ethnicity		Overall (A)
	Male	Female	White	Black	Multi/Other	Not Hispanic	Hispanic	
	(A)	(B)	(A)	(B)	(C)	(A)	(B)	
Percent who ever walk	78%	80%	84% B	64%	83% B	79%	79%	79%
Percent who ever bike	21% B	9%	19% B	2%	15% B	13%	25% A	15%
Percent who ever use Capital Bikeshare	14% B	5%	9%	4%	15% B	7%	23% A	9%
Percent who ever bus	29% B	21%	24%	18%	36% A B	21%	43% A	25%
Percent who ever drive	81%	83%	84%	78%	80%	83% B	73%	82%
Percent who ever carpool	27%	33%	30%	28%	36%	30%	32%	31%
Percent who ever use Metrorail	46%	45%	52% B	18%	58% B	46%	47%	46%
Percent who ever use a taxi/uber	31%	39% A	37%	26%	39%	36%	32%	35%
Percent who ever do something else	8%	7%	7%	12%	4%	8%	4%	8%

Table 98: Question #6 by Respondent Gender, Race and Ethnicity

In the past month, how often did you use a GPS app like Google Maps or Waze to help determine your route to avoid traffic? (Percent daily or a few times week)	Gender		Race			Ethnicity		Overall (A)
	Male	Female	White	Black	Multi/ Other	Not Hispanic	Hispanic	
	(A)	(B)	(A)	(B)	(C)	(A)	(B)	
Daily or Near Daily	39%	45%	43%	44%	39%	45% B	30%	42%
Few times per week	31% B	23%	27%	22%	34%	24%	40% A	27%
Few times per month	17%	17%	18%	13%	16%	16%	16%	17%
Never	12%	13%	10%	22% A C	8%	12%	12%	12%
One time	2%	2%	2%	0%	3%	2%	2%	2%

Table 99: Question #7 by Respondent Gender, Race and Ethnicity

In the past month, how many times, if ever, did you use any of these modes of transportation around Alexandria? (Percent daily or a few times week)	Gender		Race			Ethnicity		Overall (A)
	Male	Female	White	Black	Multi/Other	Not Hispanic	Hispanic	
	(A)	(B)	(A)	(B)	(C)	(A)	(B)	
Walk	93%	91%	94% C	96% C	82%	94% B	83%	92%
Bike	33% B	14%	25%	14%	28%	21%	34% A	23%
Bikeshare (Capital Bike Share, dockless bikeshare, dockless scooter, scooter)	22% B	7%	16% B	5%	17%	12%	27% A	14%
Drive alone	86%	88%	88%	86%	85%	87%	84%	87%
Private Vehicle – as driver	73%	71%	72%	67%	77%	71%	74%	71%
Private Vehicle – as passenger	51%	66% A	63% B	41%	60% B	61% B	48%	59%
Motorcycle, moped, motorized scooter	8% B	3%	4%	8%	8%	5%	6%	6%
Taxi, other hired car service	28%	28%	27%	30%	26%	29%	22%	28%
Carshare (Zipcar, Hertz OnDemand)	3%	2%	2%	1%	4%	3%	1%	2%
Transportation Network Company (TNC such as Uber, Lyft, Via)	59%	64%	64%	51%	65%	61%	66%	61%
Rail (Metrorail, commuter rail)	68%	61%	70% B	33%	76% B	64%	69%	64%
DASH Bus	42% B	34%	35%	33%	52% A B	35%	50% A	37%
Metro Bus	29% B	21%	24%	20%	31%	23%	33%	25%
Multiple transit systems	36% B	26%	31%	21%	37% B	29%	37%	31%
Carpool, Vanpool	14%	20%	17%	9%	29% A B	15%	31% A	17%
Paratransit (DOT Paratransit, Metro Access)	1%	2%	1%	4% A	1%	2%	0%	2%

Table 100: Question #8 by Respondent Gender, Race and Ethnicity

To what extent do you agree or disagree that each of the following would increase your use of public transportation (bus or metro) as a means of transportation: (Percent somewhat or strongly agree)	Gender		Race			Ethnicity		Overall (A)
	Male	Female	White	Black	Multi/Other	Not Hispanic	Hispanic	
	(A)	(B)	(A)	(B)	(C)	(A)	(B)	
Services were more reliable	77% B	67%	69%	71%	84% A	69%	85% A	72%
Services were more frequent	82% B	71%	75%	76%	87% A	75%	82%	76%
There were more direct routes/fewer transfers to destinations	75%	78%	77%	82%	74%	77%	74%	77%
Services were less expensive	52%	45%	48%	57%	43%	50%	40%	48%
My travel time were less than if I used a personal vehicle	77%	82%	81%	83%	74%	80%	75%	80%
There were routes that stop at my desired destinations	71%	76%	74%	72%	76%	74%	67%	74%
There were routes that stop at or near my home	70% B	61%	67%	62%	67%	67%	59%	66%
I felt safer from crime while riding public transportation	50%	53%	51%	54%	55%	50%	63% A	52%
I felt safer from crime waiting at the station	51%	53%	50%	57%	57%	50%	64% A	52%
I had somewhere to put my things (luggage, groceries, other purchases, etc.)	48%	53%	48%	63% A	49%	51%	49%	51%
Children could ride free on Metro	48% B	39%	38%	48%	58% A	41%	55% A	44%
Public transportation vehicles were more comfortable	52%	53%	46%	64% A	63% A	51%	60%	52%
I do not want to use public transportation	20%	25%	22% C	39% A C	9%	24%	17%	23%

Table 101: Question #9 by Respondent Gender, Race and Ethnicity

In the last month, about how frequently have you done each of the following? (Percent ever)	Gender		Race			Ethnicity		Overall (A)
	Male	Female	White	Black	Multi/Other	Not Hispanic	Hispanic	
	(A)	(B)	(A)	(B)	(C)	(A)	(B)	
Ridden a bicycle or walked for fun or exercise	35% B	22%	32% B	20%	24%	28%	29%	28%
Ran or jogged for fun or exercise	90%	92%	94% C	96% C	77%	94% B	79%	91%

Table 102: Question #10 by Respondent Gender, Race and Ethnicity

To what extent do you agree or disagree that each of the following would increase your use of walking as a means of transportation: (Percent somewhat or strongly agree)	Gender		Race			Ethnicity		Overall (A)
	Male	Female	White	Black	Multi/Other	Not Hispanic	Hispanic	
	(A)	(B)	(A)	(B)	(C)	(A)	(B)	
If there were more sidewalks	69%	67%	65%	73%	77%	68%	72%	68%
If there were more crosswalks	68%	63%	60%	73%	76% A	65%	66%	65%
If the sidewalks and paths were in better condition	73%	68%	69%	70%	76%	69%	78%	70%
If there was more off-street walking or multi-use paths, trails	83%	76%	77%	85%	81%	78%	87% A	79%
If there was more street lighting after dark	71%	83% A	74%	85%	80%	77%	81%	77%
If I had access to public or workplace showers	28% B	19%	19%	32% A	32% A	24%	19%	23%
If I felt more safe from traffic while walking	72%	73%	70%	78%	77%	71%	83% A	73%
If I felt more safe from crime while walking	53%	68% A	57%	72% A	67%	61%	62%	61%
If It didn't take longer to walk to my destinations than to drive	73%	70%	69%	83% A	68%	72%	65%	72%
I do not want to walk as a means of transportation	21%	25%	15%	38% A	35% A	21%	30%	23%

Table 103: Question #11 by Respondent Gender, Race and Ethnicity

To what extent do you agree or disagree that each of the following would increase your use of a bicycle as a means of transportation: (Percent somewhat or strongly agree)	Gender		Race			Ethnicity		Overall (A)
	Male	Female	White	Black	Multi/Other	Not Hispanic	Hispanic	
	(A)	(B)	(A)	(B)	(C)	(A)	(B)	
If there were more on-street bike lanes	65% B	42%	52%	58%	54%	54%	54%	53%
If there was more off-street bike or multi-use paths, trails	75% B	52%	64%	61%	66%	62%	74% A	63%
If there was more street lighting after dark	63% B	51%	56%	58%	62%	56%	62%	57%
If I had access to a bicycle	45%	40%	36%	57% A	51% A	41%	52%	42%
If I had access to an electric/pedal assist bicycle	44%	38%	38%	47%	47%	39%	53% A	41%
If I had access to public or workplace showers	33% B	19%	24%	31%	31%	26%	28%	26%
If I had a place to securely store a bicycle at work	52% B	38%	37%	63% A	57% A	45%	47%	45%
If there were places to securely park a bicycle at other destinations	68% B	54%	60%	61%	67%	61%	63%	60%
If I felt more safe from traffic while riding a bicycle	76% B	64%	69%	71%	71%	67%	81% A	69%
If I felt more safe from crime while riding a bicycle	45%	43%	38%	58% A	54% A	43%	51%	44%
If It didn't take longer to ride a bicycle to my destinations than to drive	63% B	53%	56%	64%	60%	56%	68% A	58%
If I knew how to ride a bike	21%	21%	11%	53% A C	27% A	22%	16%	21%
If there were more Capital Bikeshare stations	43% B	30%	31%	49% A	41%	34%	48% A	36%
I do not want to use a bicycle as a means of transportation	35%	56% A	46%	47%	45%	48% B	35%	46%

Table 104: Question #12 by Respondent Gender, Race and Ethnicity

Did you know that all DASH buses in Alexandria are free to ride?	Gender		Race			Ethnicity		Overall (A)
	Male	Female	White	Black	Multi/Other	Not Hispanic	Hispanic	
	(A)	(B)	(A)	(B)	(C)	(A)	(B)	
Yes	80% B	72%	80% B	59%	79% B	74%	87% A	76%
No	20%	28% A	20%	41% A C	21%	26% B	13%	24%
Total	100%	100%	100%	100%	100%	100%	100%	100%

Table 105: Question #13 by Respondent Gender, Race and Ethnicity

Have you heard of GO Alex, the City's program that helps people find transportation options?	Gender		Race			Ethnicity		Overall (A)
	Male	Female	White	Black	Multi/Other	Not Hispanic	Hispanic	
	(A)	(B)	(A)	(B)	(C)	(A)	(B)	
Yes	20%	15%	17%	15%	21%	17%	23%	18%
No	80%	85%	83%	85%	79%	83%	77%	82%
Total	100%	100%	100%	100%	100%	100%	100%	100%

Table 106: Question #14 by Respondent Gender, Race and Ethnicity

Do you have school-aged children?	Gender		Race			Ethnicity		Overall (A)
	Male	Female	White	Black	Multi/Other	Not Hispanic	Hispanic	
	(A)	(B)	(A)	(B)	(C)	(A)	(B)	
Yes	14%	13%	11%	26% A C	10%	14%	12%	13%
No	86%	87%	89% B	74%	90% B	86%	88%	87%
Total	100%	100%	100%	100%	100%	100%	100%	100%

Table 107: Question #15 by Respondent Gender, Race and Ethnicity

Please indicate how your child(ren) typically travel to/from school? (Please select all that apply.)	Gender		Race			Ethnicity		Overall (A)
	Male	Female	White	Black	Multi/ Other	Not Hispanic	Hispanic	
	(A)	(B)	(A)	(B)	(C)	(A)	(B)	
Driven by caregiver	34%	71% A	55%	58%	26%	55%	47%	53%
Walk	33%	45%	48%	23%	48%	38%	44%	38%
School bus	45% B	20%	43%	24%	10%	26%	57% A	31%
Carpool	22%	17%	6%	30% A	42% A	19%	24%	19%
Public transportation	9%	20%	17%	10%	13%	10%	37% A	14%
Bike	15%	3%	12%	0%	27%	7%	24%	9%
Other	11%	2%	2%	8%	31% A	8%	9%	8%
Drive themselves alone	4%	12%	12%	0%	15%	9%	0%	8%
Driven by taxi, Uber, Lyft, etc.	8%	1%	9%	0%	0%	2%	19% A	4%

Table 108: Question #16 by Respondent Gender, Race and Ethnicity

If your children are driven to school or drive themselves, please indicate which, if any, of the following factors discourage you from using other modes of transportation for your child(ren) to/from school (please select all that apply):	Gender		Race			Ethnicity		Overall (A)
	Male	Female	White	Black	Multi/Other	Not Hispanic	Hispanic	
	(A)	(B)	(A)	(B)	(C)	(A)	(B)	
Distance to school	46%	78% A	61%	72%	44%	63%	76%	64%
Not safe	31%	27%	36%	29%	0%	21%	57% A	28%
Takes too long to use other modes	26%	28%	50%	0%	25%	24%	39%	26%
Inconvenient to use other modes	39% B	13%	28%	30%	0%	30%	0%	25%
Other	18%	16%	20%	6%	39%	14%	42% A	18%
Lack of sidewalks, bike lanes	8%	18%	18%	12%	0%	8%	37% A	13%
Cost	7%	0%	7%	0%	0%	0%	19%	3%
Do not have access to public transportation	6%	0%	6%	0%	0%	4%	0%	3%
Do not have access to a bicycle	0%	0%	0%	0%	0%	0%	0%	0%

Appendix E: Selected Survey Responses by Year

The tables in this Appendix display survey results by year. An explanation of how to interpret statistical differences can be found in *Appendix C: Selected Survey Responses by Area of Residence* on page 43.

Table 109: Question #1

What is your employment status?	2016	2021	2023	2025
	(A)	(B)	(C)	(D)
Employed full- or part-time	84%	79%	79%	80%
Not employed, not looking for work (retired, stay-at-home parent, etc.)	14%	16%	17%	15%
Currently not employed	2%	5%	4%	5%
Total	100%	100%	100%	100%

Table 110: Question #2

In the last week that you worked, please indicate all of the mode(s) you used as part of how you got to work on each day (please select all that apply). Monday	2016	2021	2023	2025
	(A)	(B)	(C)	(D)
Walk	23% B C	10%	12%	28% B C
Bike	4% B C	1%	1%	2%
Capital Bikeshare	0%	0%	1%	2% A B
Bus	16% C	13% C	6%	13% C
Drove alone	51% B C D	32%	30%	39% C
Carpool (drove or rode in a car with others)	8% B C D	2%	2%	4%
Metrorail	26% B C	12%	11%	20% B C
Taxi/ Uber	2%	2%	2%	1%
VRE commuter rail	0%	0%	0%	0%
Worked at home	7%	43% A C D	31% A	27% A
I did not work	4%	14% A C D	2%	3%
Other	0%	1%	1%	1%

Table 111: Question #2

In the last week that you worked, please indicate all of the mode(s) you used as part of how you got to work on each day (please select all that apply). Tuesday	2016	2021	2023	2025
	(A)	(B)	(C)	(D)
Walk	25% B C	6%	15% B	27% B C
Bike	5% B C	1%	2%	2%
Capital Bikeshare	0%	3% A C	0%	2% A C
Bus	15% B C	4%	8%	12% B
Drove alone	49% B C	24%	33% B	42% B C
Carpool (drove or rode in a car with others)	7% C	4%	2%	4%
Metrorail	27% B C	6%	14% B	22% B C
Taxi/ Uber	2%	1%	1%	2%
VRE commuter rail	1%	10% A C D	1%	0%
Worked at home	7%	43% A C D	24% A	23% A
I did not work	3%	10% A C D	1%	2%
Other	1%	1%	1%	1%

Table 112: Question #2

In the last week that you worked, please indicate all of the mode(s) you used as part of how you got to work on each day (please select all that apply). Wednesday	2016	2021	2023	2025
	(A)	(B)	(C)	(D)
Walk	18% B	7%	16% B	28% A B C
Bike	3%	11% A C D	1%	3%
Capital Bikeshare	0%	10% A C D	1%	2%
Bus	16% B C D	4%	8%	11% B
Drove alone	50% B C D	30%	33%	39% B
Carpool (drove or rode in a car with others)	8% B C D	2%	2%	4%
Metrorail	27% B C	7%	16% B	23% B C
Taxi/ Uber	3%	4% C D	1%	2%
VRE commuter rail	1%	1%	0%	0%
Worked at home	7%	39% A C D	21% A	23% A
I did not work	4% C	4% C	1%	2%
Other	1%	1%	1%	1%

Table 113: Question #2

In the last week that you worked, please indicate all of the mode(s) you used as part of how you got to work on each day (please select all that apply). Thursday	2016	2021	2023	2025
	(A)	(B)	(C)	(D)
Walk	23% B C	9%	14%	28% B C
Bike	4%	2%	2%	2%
Capital Bikeshare	0%	1%	0%	2% A C
Bus	16% B C	7%	9%	12%
Drove alone	51% B C D	24%	31%	36% B
Carpool (drove or rode in a car with others)	7% B C D	2%	3%	3%
Metrorail	27% B C	16%	13%	24% B C
Taxi/ Uber	3%	11% A C D	2%	2%
VRE commuter rail	0%	0%	0%	0%
Worked at home	6%	42% A C D	24% A	24% A
I did not work	2%	4% C	1%	6% A C
Other	1%	1%	1%	1%

Table 114: Question #2

In the last week that you worked, please indicate all of the mode(s) you used as part of how you got to work on each day (please select all that apply). Friday	2016	2021	2023	2025
	(A)	(B)	(C)	(D)
Walk	19% C	16%	10%	25% B C
Bike	3%	2%	1%	2%
Capital Bikeshare	0%	4% A C D	1%	2%
Bus	12% B C	4%	5%	10% B C
Drove alone	47% B C D	19%	26% B	32% B
Carpool (drove or rode in a car with others)	7% B C D	3%	2%	3%
Metrorail	23% B C	6%	8%	18% B C
Taxi/ Uber	3%	3%	1%	2%
VRE commuter rail	0%	0%	0%	0%
Worked at home	12%	45% A C D	35% A	35% A
I did not work	7%	13% A C D	3%	7%
Other	1%	2%	1%	1%

Table 115: Question #2

In the last week that you worked, please indicate all of the mode(s) you used as part of how you got to work on each day (please select all that apply). Saturday	2016	2021	2023	2025
	(A)	(B)	(C)	(D)
Walk	5%	4%	4%	8% B C
Bike	1%	4% A C D	0%	1%
Capital Bikeshare	0%	1%	0%	1% A
Bus	2%	1%	2%	4%
Drove alone	15%	18%	12%	13%
Carpool (drove or rode in a car with others)	3%	11% A C D	2%	2%
Metrorail	2%	1%	1%	3%
Taxi/ Uber	3% D	5% C D	1%	1%
VRE commuter rail	0%	0%	0%	0%
Worked at home	2%	6% A C	3%	3%
I did not work	74% B D	59%	100% A B D	67% B
Other	1%	11% A C D	0%	0%

Table 116: Question #2

In the last week that you worked, please indicate all of the mode(s) you used as part of how you got to work on each day (please select all that apply). Sunday	2016	2021	2023	2025
	(A)	(B)	(C)	(D)
Walk	3%	7% A	5%	6%
Bike	0%	2%	1%	1%
Capital Bikeshare	0%	0%	0%	1% A C
Bus	2%	5% A C D	2%	2%
Drove alone	13% B	7%	11%	9%
Carpool (drove or rode in a car with others)	2%	1%	2%	2%
Metrorail	2%	3% C	1%	3%
Taxi/ Uber	1%	1%	1%	0%
VRE commuter rail	0%	0%	0%	0%
Worked at home	1%	6% A C D	2%	2%
I did not work	78% C D	78% C D	56%	70% C
Other	2% C	1%	0%	1%

Table 117: Work Commute Mode Share

Work Commute Mode Share	2016	2021	2023	2025
	(A)	(B)	(C)	(D)
Average percent of work trips made by walking	12% B	7%	10% B	15% B C
Average percent of work trips made by bike	3% C	3%	1%	2%
Average percent of work trips made by Capital Bikeshare	0%	3% A C D	0%	1% A
Average percent of work trips made by bus	8% B C D	5%	5%	6%
Average percent of work trips made by driving alone	48% B C D	25%	37% B	36% B
Average percent of work trips made by carpooling/driving with others	5% C	3%	2%	3%
Average percent of work trips made Metrorail	14% B C	6%	10% B	12% B
Average percent of work trips made taxi/uber	2%	3% A C D	1%	1%
Average percent of work trips made by VRE commuter rail	0%	2% A C D	0%	0%
Average percent of work trips replaced by working at home	6%	40% A C D	30% A D	23% A
Average percent of work trips made by other modes	1%	3% A C D	1%	1%

Table 118: Percent of Employed Respondents Who Made at Least One Work Commute Trip via Each Mode in Previous Week

Percent of Employed Respondents Who Made at Least One Work Commute Trip via Each Mode in Previous Week	2016	2021	2023	2025
	(A)	(B)	(C)	(D)
Percent making any work trips in last week by walking	28%	29%	28%	37% A B C
Percent making any work trips in last week by bike	6%	15% A C D	5%	4%
Percent making any work trips in last week by Capital Bikeshare	1%	17% A C D	2%	3%
Percent making any work trips in last week by bus	20% C	22% C	16%	17%
Percent making any work trips in last week by driving alone	61% D	59% D	58% D	52%
Percent making any work trips in last week by carpooling/driving with others	11% C	19% A C D	7%	8%
Percent making any work trips in last week by Metrorail	34%	28%	30%	34%
Percent making any work trips in last week by taxi/uber	10%	19% A C D	7%	6%
Percent making any work trips in last week by VRE commuter rail	1%	11% A C D	1%	0%
Percent working at home at least once	16%	60% A C D	59% A	42% A
Percent making any work trips in last week by other modes	3%	14% A C D	2%	3%

Table 119: Percent of Employed Respondents Who Made at Least One Work Commute Trip via Transit in Previous Week

Percent of Employed Respondents Who Made at Least One Work Commute Trip via Transit in Previous Week	2016	2021	2023	2025
	(A)	(B)	(C)	(D)
Took transit (bus, Metrorail and/or VRE commuter rail) any day in previous week	39%	33%	36%	38%
Took transit AND walked on same day on any day in previous week	20% B	10%	20%	27% A B C
Took transit AND biked on same day on any day in previous week	0%	1%	2%	1%

Table 120: Question #3

Does your employer offer any of the following commuter benefits? (Select all that apply.)	2016	2021	2023	2025
	(A)	(B)	(C)	(D)
Free Parking	.	47%	48%	48%
Pre-Tax Parking	.	12%	10%	10%
SmartBenefits (Subsidized transit)	.	55%	53%	47%
Carpool or Vanpool Program	.	7%	6%	5%
Bikeshare/Dockless Mobility memberships or bicycle subsidies	.	6%	6%	7%
Other	.	8%	10%	10%

Table 121: Question #4

If you most often drive to get to work, which of the following are the main reasons? (Please select all that apply.)	2016	2021	2023	2025
	(A)	(B)	(C)	(D)
Don't usually drive alone to get to work	18%	29% A	29% A	30% A
Quickest/most convenient	65% D	54%	52%	49%
Privacy	12%	15%	12%	19% A
Irregular work schedule	24% D	26% D	26% D	14%
I take a child/children to and/or from school or child care on the way to/ from work	11%	7%	7%	10%
Need/want to make stops/run errands on the way to/from work	25%	28%	22%	24%
Need/want to come and go from the workplace during the day	14%	17%	12%	11%
Personal reasons/commitments	11%	10%	10%	8%
Work reasons/commitments	14%	10%	14%	9%
Don't have shower at work if I walk or bike	4%	6%	3%	4%
Don't want to take a shower at work if bike or walk	2%	3%	3%	2%
Too hard to get to work location from Metrorail station or bus stop	19%	16%	13%	17%
Too hard to get to Metrorail station or bus stop from home	12% D	11%	10%	7%
Bus or Metrorail is not available or inadequate	15% C D	12%	9%	10%
Driving costs less	-	10%	7%	8%
Other modes are not safe	3%	4%	6% A	3%
I need somewhere to store larger/multiple things (luggage, groceries, other purchases, etc.)	-	7%	5%	6%
Other:	13% B C D	6%	6%	5%

Table 122: Percent of respondents using each mode to complete any of 7 kinds of trips

Percent of respondents using each mode to complete any of 7 kinds of trips (parks & recreation centers, grocery store, non-grocery errands, restaurants, fun or fitness, visit friends or family, other social activities)	2016	2021	2023	2025
	(A)	(B)	(C)	(D)
Percent who ever walk	71%	84% A C	77% A	79% A
Percent who ever bike	17%	41% A C D	20%	15%
Percent who ever use Capital Bikeshare	2%	29% A C D	7% A	9% A
Percent who ever bus	11%	25% A	20% A	25% A
Percent who ever drive	92% B C D	86%	85%	82%
Percent who ever carpool	.	39% C D	32%	31%
Percent who ever use Metrorail	31%	41% A	34%	46% A C
Percent who ever use a taxi/uber	31%	36%	31%	35%
Percent who ever do something else	6%	26% A C D	8%	8%

While the comparison to 2016 is shown, it should be noted that “carpool” was added to the list of travel mode options in the 2021.

Table 123: Question #6

In the past month, how often did you use a GPS app like Google Maps or Waze to help determine your route to avoid traffic?	2016	2021	2023	2025
	(A)	(B)	(C)	(D)
Daily or Near Daily	.	31%	39% B	42% B
Few times per week	.	30%	29%	27%
Few times per month	.	20%	17%	17%
One time	.	3%	4%	2%
Never	.	16% C	10%	12%
Total	.	100%	100%	100%

Table 124: Question #7

In the past month, how many times, if ever, did you use any of these modes of transportation around Alexandria? (Percentage at least once)	2016	2021	2023	2025
	(A)	(B)	(C)	(D)
Walk	.	92%	91%	92%
Bike	.	26%	25%	23%
Bikeshare (Capital Bike Share, dockless bikeshare, dockless scooter, e-scooter)	.	12%	14%	14%
Drive alone	.	89%	90%	87%
Private Vehicle – as driver	.	71%	67%	71%
Private Vehicle – as passenger	.	56%	58%	59%
Motorcycle, moped, motorized scooter	.	2%	4%	6% B
Taxi, other hired car service	.	22%	31% B	28%
Carshare (Zipcar, Hertz OnDemand)	.	3%	3%	2%
Transportation Network Company (TNC such as Uber, Lyft, Via)	.	49%	60% B	61% B
Rail (Metrorail, commuter rail)	.	43%	61% B	64% B
DASH Bus	.	20%	33% B	37% B
Metro Bus	.	18%	26% B	25% B
Multiple transit systems	.	16%	27% B	31% B
Carpool, Vanpool	.	13%	17%	17%
Paratransit (DOT Paratransit, Metro Access)	.	.	2%	2%

Table 125: Question #8

To what extent do you agree or disagree that each of the following would increase your use of <u>public transportation</u> (bus or metro) as a means of transportation: (Percentage Strongly or Somewhat agree)	2016	2021	2023	2025
	(A)	(B)	(C)	(D)
Services were more reliable	80% C D	75%	74%	72%
Services were more frequent	81%	77%	76%	76%
There were more direct routes/fewer transfers to destinations	78%	78%	79%	77%
Services were less expensive	62% C D	55%	54%	48%
My travel time were less than if I used a personal vehicle	85% C	83%	78%	80%
There were routes that stop at my desired destinations	74%	78%	76%	74%
There were routes that stop at or near my home	69%	76% D	72%	66%
I felt safer from crime while riding public transportation	46%	51%	54% A	52%
I felt safer from crime waiting at the station	48%	53%	55%	52%
I had somewhere to put my things (luggage, groceries, other purchases, etc.)	.	52%	51%	51%
Children could ride free on Metro	.	42%	40%	44%
Public transportation vehicles were more comfortable	27%	26%	44% A B	52% A B C
I do not want to use public transportation	.	32% D	26%	23%

Table 126: Question #9

In the last month, about how frequently have you done each of the following? (Percentage At Least Once)	2016	2021	2023	2025
	(A)	(B)	(C)	(D)
Ridden a bicycle or walked for fun or exercise	.	35% D	34%	28%
Ran or jogged for fun or exercise	.	90%	89%	91%

Table 127: Question #10

To what extent do you agree or disagree that each of the following would increase your use of <u>walking</u> as a means of transportation: (Percentage Strongly or Somewhat agree)	2016	2021	2023	2025
	(A)	(B)	(C)	(D)
If there were more sidewalks	57%	68% A	67% A	68% A
If there were more crosswalks	55%	65% A	63% A	65% A
If the sidewalks and paths were in better condition	57%	68% A	69% A	70% A
If there was more off-street walking or multi-use paths, trails	65%	72% A	73% A	79% A B
If there was more street lighting after dark	73%	76%	75%	77%
If I had access to public or workplace showers	27%	31% D	27%	23%
If I felt more safe from traffic while walking	58%	64%	63%	73% A B C
If I felt more safe from crime while walking	52%	54%	58%	61% A
If It didn't take longer to walk to my destinations than to drive	54%	60%	64% A	72% A B C
I do not want to walk as a means of transportation	29%	27%	26%	23%

Table 128: Question #11

To what extent do you agree or disagree that each of the following would increase your use of a <u>bicycle</u> as a means of transportation: (Percentage Strongly or Somewhat agree)	2016	2021	2023	2025
	(A)	(B)	(C)	(D)
There were more on-street bike lanes	55%	56%	51%	53%
There was more off-street bike or multi-use paths, trails	65%	66%	62%	63%
There was more street lighting after dark	59%	63%	58%	57%
I had access to a bicycle	36%	45% A	40%	42%
I had access to an electric/pedal assist bicycle	.	33%	37%	41% B
I had access to public or workplace showers	30%	35% D	31%	26%
I had a place to securely store a bicycle at work	42%	46%	44%	45%
There were places to securely park a bicycle at other destinations	56%	61%	59%	60%
I felt more safe from traffic while riding a bicycle	61%	67% C	57%	69% A C
I felt more safe from crime while riding a bicycle	36%	37%	36%	44% A C
It didn't take longer to ride a bicycle to my destinations than to drive	44%	48%	48%	58% A B C
I knew how to ride a bike	15%	17%	18%	21%
If there were more Capital Bikeshare stations	25%	30%	29%	36% A
I do not want to use a bicycle as a means of transportation	43%	45%	50%	46%

Table 129: Question #12

Do you have school-aged children?	2016	2021	2023	2025
	(A)	(B)	(C)	(D)
Yes	15%	13%	12%	13%
No	85%	87%	88%	87%
Total	100%	100%	100%	100%

Table 130: Question #15

Please indicate how your child(ren) typically travel to/from school? (Please select all that apply.)	2016	2021	2023	2025
	(A)	(B)	(C)	(D)
Walk	24%	40% A	44% A	38%
Driven by caregiver	30%	39%	51% A	53% A
Driven by taxi, Uber, Lyft, etc.	8%	11%	1%	4%
Bike	3%	5%	12%	9%
Carpool	34% B C	5%	8%	19%
Public transportation	2%	3%	9%	14% A
School bus	31%	41%	32%	31%
Drive themselves alone	8%	8%	10%	8%
Other	3%	1%	0%	8%

Table 131: Question #16

If your children are driven to school or drive themselves, please indicate which, if any, of the following factors discourage you from using other modes of transportation for your child(ren) to/from school (please select all that apply):	2016	2021	2023	2025
	(A)	(B)	(C)	(D)
Distance to school	46%	67% A	46%	64%
Takes too long to use other modes	45%	35%	30%	26%
Inconvenient to use other modes	44%	28%	39%	25%
Not safe	19%	29%	37% A	28%
Cost	20% D	7%	8%	3%
Do not have access to a bicycle	2%	5%	8%	0%
Do not have access to public transportation	3%	6%	2%	3%
Lack of sidewalks, bike lanes	12%	12%	21%	13%
Other	13%	6%	22% B	18%

Appendix F: Results by Outreach Type (Address-based Sample versus Open Participation)

The tables in this Appendix display survey results by outreach type. An explanation of how to interpret statistical differences can be found in *Appendix C: Selected Survey Responses by Area of Residence* on page 43.

Table 132: Question #1 by Sample Type

What is your employment status?	Address-based	Open Participation
	(A)	(B)
Employed full- or part-time	80% B	74%
Not employed, not looking for work (retired, stay-at-home parent, etc.)	15%	16%
Currently not employed	5%	10% A

Table 133: Work Commute Mode Share by Sample Type

Work Commute Mode Share	Address-based	Open Participation
	(A)	(B)
Average percent of work trips made by walking	15%	15%
Average percent of work trips made by bike	2%	6% A
Average percent of work trips made by Capital Bikeshare	1%	1%
Average percent of work trips made by bus	6%	9% A
Average percent of work trips made by driving alone	36% B	25%
Average percent of work trips made by carpooling/driving with others	3%	3%
Average percent of work trips made Metrorail	12%	10%
Average percent of work trips made taxi/uber	1%	1%
Average percent of work trips made by VRE commuter rail	0%	1% A
Average percent of work trips replaced by working at home	23%	30% A
Average percent of work trips made by other modes	1% B	0%

Table 134: Commute Trips by Employed Respondents via Each Mode in Previous Week by Sample Type

Percent of Employed Respondents Who Made at Least One Work Commute Trip via Each Mode in Previous Week	Address-based	Open Participation
	(A)	(B)
Percent making any work trips in last week by walking	37%	41%
Percent making any work trips in last week by bike	4%	15% A
Percent making any work trips in last week by Capital Bikeshare	3%	4%
Percent making any work trips in last week by bus	17%	27% A
Percent making any work trips in last week by driving alone	52% B	39%
Percent making any work trips in last week by carpooling/driving with others	8%	8%
Percent making any work trips in last week by Metrorail	34%	35%
Percent making any work trips in last week by taxi/uber	6%	9%
Percent making any work trips in last week by VRE commuter rail	0%	5% A
Percent working at home at least once	42%	56% A
Percent making any work trips in last week by other modes	3% B	1%

Table 135: Commute Trips by Employed Respondents via Transit in Previous Week by Sample Type

Percent of Employed Respondents Who Made at Least One Work Commute Trip via Transit in Previous Week	Address-based	Open Participation
	(A)	(B)
Took transit (bus, Metrorail and/or VRE commuter rail) any day in previous week	38%	44% A
Took transit AND walked on same day on any day in previous week	27%	33% A
Took transit AND biked on same day on any day in previous week	1%	7% A

Table 136: Question #3 by Sample Type

Does your employer offer any of the following commuter benefits? (Select all that apply.)	Address-based	Open Participation
	(A)	(B)
SmartBenefits (Subsidized transit)	47%	68% A
Free Parking	48%	44%
Pre-Tax Parking	10%	13%
Bikeshare/Dockless Mobility memberships or bicycle subsidies	7%	12% A
Other	10% B	5%
Carpool or Vanpool Program	5%	4%

Table 137: Question #4 by Sample Type

If you most often drive to get to work, which of the following are the main reasons? (Please select all that apply.)	Address-based	Open Participation
	(A)	(B)
Quickest/most convenient	49% B	36%
Don't usually drive alone to get to work	30%	52% A
Need/want to make stops/run errands on the way to/from work	24%	24%
Irregular work schedule	14%	18%
Privacy	19% B	11%
Too hard to get to work location from Metrorail station or bus stop	17% B	8%
Bus or Metrorail is not available or inadequate	10%	15% A
Need/want to come and go from the workplace during the day	11%	12%
Work reasons/commitments	9%	7%
Driving costs less	8%	8%
I take a child/children to and/or from school or child care on the way to/ from work	10% B	6%
Too hard to get to Metrorail station or bus stop from home	7%	7%
Personal reasons/commitments	8%	5%
I need somewhere to store larger/multiple things (luggage, groceries, other purchases, etc.)	6%	4%
Other:	5%	4%
Don't have shower at work if I walk or bike	4%	3%
Other modes are not safe	3%	3%
Don't want to take a shower at work if bike or walk	2%	2%

Table 138: Travel Mode for 7 Kinds of Trips by Sample Type

Percent of respondents using each mode to complete any of 7 kinds of trips (parks & recreation centers, grocery store, non-grocery errands, restaurants, fun or fitness, visit friends or family, other social activities)	Address-based	Open Participation
	(A)	(B)
Percent who ever walk	79%	90% A
Percent who ever bike	15%	32% A
Percent who ever use Capital Bikeshare	9%	10%
Percent who ever bus	25%	51% A
Percent who ever drive	82%	78%
Percent who ever carpool	31%	36%
Percent who ever use Metrorail	46%	50%
Percent who ever use a taxi/uber	35%	31%
Percent who ever do something else	8%	7%

Table 139: Question #6 by Sample Type

In the past month, how often did you use a GPS app like Google Maps or Waze to help determine your route to avoid traffic? (Percent daily or a few times week)	Address-based	Open Participation
	(A)	(B)
Daily or Near Daily	42% B	33%
Few times per week	27%	30%
Few times per month	17%	19%
Never	12%	12%
One time	2%	5% A

Table 140: Question #7 by Sample Type

In the past month, how many times, if ever, did you use any of these modes of transportation around Alexandria? (Percent daily or a few times week)	Address-based	Open Participation
	(A)	(B)
Walk	92%	96% A
Bike	23%	37% A
Bikeshare (Capital Bike Share, dockless bikeshare, dockless scooter, escooter)	14%	22% A
Drive alone	87% B	78%
Private Vehicle – as driver	71% B	65%
Private Vehicle – as passenger	59%	62%
Motorcycle, moped, motorized scooter	6% B	3%
Taxi, other hired car service	28%	23%
Carshare (Zipcar, Hertz OnDemand)	2%	6% A
Transportation Network Company (TNC such as Uber, Lyft, Via)	61%	62%
Rail (Metrorail, commuter rail)	64%	81% A
DASH Bus	37%	66% A
Metro Bus	25%	42% A
Multiple transit systems	31%	57% A
Carpool, Vanpool	17%	20%
Paratransit (DOT Paratransit, Metro Access)	2% B	0%

Table 141: Question #8 by Sample Type

To what extent do you agree or disagree that each of the following would increase your use of public transportation (bus or metro) as a means of transportation: (Percent somewhat or strongly agree)	Address-based	Open Participation
	(A)	(B)
Services were more reliable	72%	78% A
Services were more frequent	76%	84% A
There were more direct routes/fewer transfers to destinations	77%	87% A
Services were less expensive	48%	54% A
My travel time were less than if I used a personal vehicle	80%	77%
There were routes that stop at my desired destinations	74%	84% A
There were routes that stop at or near my home	66%	76% A
I felt safer from crime while riding public transportation	52%	52%
I felt safer from crime waiting at the station	52%	54%
I had somewhere to put my things (luggage, groceries, other purchases, etc.)	51%	53%
Children could ride free on Metro	44%	48%
Public transportation vehicles were more comfortable	52%	55%
I do not want to use public transportation	23% B	16%

Table 142: Question #9 by Sample Type

In the last month, about how frequently have you done each of the following? (Percent ever)	Address-based	Open Participation
	(A)	(B)
Ridden a bicycle or walked for fun or exercise	28%	44% A
Ran or jogged for fun or exercise	91%	89%

Table 143: Question #10 by Sample Type

To what extent do you agree or disagree that each of the following would increase your use of walking as a means of transportation: (Percent somewhat or strongly agree)	Address-based	Open Participation
	(A)	(B)
If there were more sidewalks	68%	77% A
If there were more crosswalks	65%	75% A
If the sidewalks and paths were in better condition	70%	79% A
If there were more off-street walking or multi-use paths/trails	79%	78%
If there was more street lighting after dark	77%	79%
If I had access to workplace showers	23%	27%
If I felt more safe from traffic while walking	73%	77%
If I felt more safe from crime while walking	61%	58%
If It didn't take longer to walk to my destinations than to drive	72%	67%
If I do not want to walk as a means of transportation	23% B	14%

Table 144: Question #11 by Sample Type

To what extent do you agree or disagree that each of the following would increase your use of a bicycle as a means of transportation: (Percent somewhat or strongly agree)	Address-based	Open Participation
	(A)	(B)
If there were more on-street bike lanes	53%	55%
If there were more off-street bike or multi-use paths/trails	63%	66%
If there was more street lighting after dark	57%	58%
If I had access to a bicycle	42%	32%
If I had access to an electric/pedal assist bicycle	41%	37%
If I had access to workplace showers	26%	30%
If I had a place to securely store a bicycle at work	45%	43%
If there were places to securely park a bicycle at other destinations	60%	61%
If I felt more safe from traffic while riding a bicycle	69%	70%
If I felt more safe from crime while riding a bicycle	44%	35%
If It didn't take longer to ride a bicycle to my destinations than to drive	58%	47%
If I knew how to ride a bike	21%	13%
If there were more Capital Bikeshare stations	36%	33%
I do not want to use a bicycle as a means of transportation	46%	36%

Table 145: Question #12 by Sample Type

Have you heard of GO Alex, the City's program that helps people find transportation options?	Address-based	Open Participation
	(A)	(B)
Yes	18%	30%
No	82%	70%
Total	100%	100%

Table 146: Question #13 by Sample Type

Did you know that all DASH buses in Alexandria are free to ride?	Address-based	Open Participation
	(A)	(B)
Yes	76%	93% A
No	24% B	7%
Total	100%	100%

Table 147: Question #14 by Sample Type

Do you have school-aged children?	Address-based	Open Participation
	(A)	(B)
Yes	13%	14%
No	87%	86%
Total	100%	100%

Table 148: Question #15 by Sample Type

Please indicate how your child(ren) typically travel to/from school? (Please select all that apply.)	Address-based	Open Participation
	(A)	(B)
Driven by caregiver	53%	38%
Walk	38%	48%
School bus	31%	24%
Public transportation	14%	23%
Carpool	19% B	8%
Bike	9%	19%
Drive themselves alone	8%	4%
Other	8%	3%
Driven by taxi, Uber, Lyft, etc.	4%	0%

Table 149: Question #16 by Sample Type

If your children are driven to school or drive themselves, please indicate which, if any, of the following factors discourage you from using other modes of transportation for your child(ren) to/from school (please select all that apply):	Address-based	Open Participation
	(A)	(B)
Distance to school	64%	63%
Not safe	28%	31%
Takes too long to use other modes	26%	33%
Inconvenient to use other modes	25%	31%
Other	18%	28%
Lack of sidewalks, bike lanes	13%	28%
Cost	3%	9%
Do not have access to public transportation	3%	3%
Do not have access to a bicycle	0%	2%

Appendix G: Complete Set of Responses for the Open Participation Survey

Table 150: Question #1 (Open Participation Survey)

What is your employment status?	Percent	Number
Employed full- or part-time	74%	N=402
Not employed, not looking for work (retired, stay-at-home parent, etc.)	16%	N=88
Currently not employed	10%	N=54
Total	100%	N=544

Table 151: Work Commute Mode Share (Open Participation Survey)

Work Commute Mode Share	Average percent of work trips	Number
Average percent of work trips made by walking	15%	N=545
Average percent of work trips made by bike	6%	N=545
Average percent of work trips made by Capital Bikeshare	1%	N=545
Average percent of work trips made by bus	9%	N=545
Average percent of work trips made by driving alone	25%	N=545
Average percent of work trips made by carpooling/driving with others	3%	N=545
Average percent of work trips made Metrorail	10%	N=545
Average percent of work trips made taxi/uber	1%	N=545
Average percent of work trips made by VRE commuter rail	1%	N=545
Average percent of work trips replaced by working at home	30%	N=545
Average percent of work trips made by other modes	0%	N=545

Table 152: Commute Trips by Employed Respondents via Each Mode in Previous Week (Open Participation Survey)

Percent of Employed Respondents Who Made at least One Work Commute Trip via Each Mode in Previous Week	Percent	Number
Percent making any work trips in last week by walking	41%	N=545
Percent making any work trips in last week by bike	15%	N=545
Percent making any work trips in last week by Capital Bikeshare	4%	N=545
Percent making any work trips in last week by bus	27%	N=545
Percent making any work trips in last week by driving alone	39%	N=545
Percent making any work trips in last week by carpooling/driving with others	8%	N=545
Percent making any work trips in last week by Metrorail	35%	N=545
Percent making any work trips in last week by taxi/uber	9%	N=545
Percent making any work trips in last week by VRE commuter rail	5%	N=545
Percent working at home at least once	56%	N=545
Percent making any work trips in last week by other modes	1%	N=545

Table 153: Commute Trips by Employed Respondents via Transit in Previous Week (Open Participation Survey)

Percent of Employed Respondents Who Made at Least One Work Commute Trip via Transit in Previous Week	Percent of respondents	Number
Took transit (bus, Metrorail and/or VRE commuter rail) any day in previous week	44%	N=545
Took transit AND walked on same day on any day in previous week	33%	N=545
Took transit AND biked on same day on any day in previous week	7%	N=545

Table 154: Commute Trips by Employed Respondents via Each Mode in Previous Week (Open Participation Survey)

Percent of Employed Respondents Who Made at Least One Work Commute Trip via Each Mode in Previous Week	Percent	Number
Percent making any work trips in last week by walking	41%	N=545
Percent making any work trips in last week by bike	15%	N=545
Percent making any work trips in last week by Capital Bikeshare	4%	N=545
Percent making any work trips in last week by bus	27%	N=545
Percent making any work trips in last week by driving alone	39%	N=545
Percent making any work trips in last week by carpooling/driving with others	8%	N=545
Percent making any work trips in last week by Metrorail	35%	N=545
Percent making any work trips in last week by taxi/uber	9%	N=545
Percent making any work trips in last week by VRE commuter rail	5%	N=545
Percent making any work trips in last week by working at home	56%	N=545
Percent making any work trips in last week by other modes	1%	N=545

Table 155: Question #2 (Open Participation Survey)

Monday (Percent of respondents who used each mode)	Percent	Number
Walk	24%	N=545
Bike	10%	N=545
Capital Bikeshare	2%	N=545
Bus	14%	N=545
Drove alone	28%	N=545
Carpool (drove or rode in a car with others)	4%	N=545
Metrorail	17%	N=545
Taxi/ Uber	1%	N=545
VRE commuter rail	1%	N=545
Worked at home	40%	N=545
I did not work	2%	N=545
Other	1%	N=545

Table 156: Question #2 (Open Participation Survey)

Tuesday (Percent of respondents who used each mode)	Percent	Number
Walk	31%	N=545
Bike	12%	N=545
Capital Bikeshare	2%	N=545
Bus	16%	N=545
Drove alone	28%	N=545
Carpool (drove or rode in a car with others)	5%	N=545
Metrorail	26%	N=545
Taxi/ Uber	5%	N=545
VRE commuter rail	4%	N=545
Worked at home	25%	N=545
I did not work	3%	N=545
Other	1%	N=545

Table 157: Question #2 (Open Participation Survey)

Wednesday (Percent of respondents who used each mode)	Percent	Number
Walk	32%	N=545
Bike	10%	N=545
Capital Bikeshare	2%	N=545
Bus	16%	N=545
Drove alone	28%	N=545
Carpool (drove or rode in a car with others)	3%	N=545
Metrorail	25%	N=545
Taxi/ Uber	1%	N=545
VRE commuter rail	1%	N=545
Worked at home	28%	N=545
I did not work	2%	N=545
Other	1%	N=545

Table 158: Question #2 (Open Participation Survey)

Thursday (Percent of respondents who used each mode)	Percent	Number
Walk	30%	N=545
Bike	10%	N=545
Capital Bikeshare	3%	N=545
Bus	16%	N=545
Drove alone	29%	N=545
Carpool (drove or rode in a car with others)	3%	N=545
Metrorail	18%	N=545
Taxi/ Uber	1%	N=545
VRE commuter rail	1%	N=545
Worked at home	31%	N=545
I did not work	3%	N=545
Other	1%	N=545

Table 159: Question #2 (Open Participation Survey)

Friday (Percent of respondents who used each mode)	Percent	Number
Walk	21%	N=545
Bike	8%	N=545
Capital Bikeshare	2%	N=545
Bus	10%	N=545
Drove alone	25%	N=545
Carpool (drove or rode in a car with others)	4%	N=545
Metrorail	12%	N=545
Taxi/ Uber	0%	N=545
VRE commuter rail	1%	N=545
Worked at home	47%	N=545
I did not work	5%	N=545
Other	0%	N=545

Table 160: Question #2 (Open Participation Survey)

Saturday (Percent of respondents who used each mode)	Percent	Number
Walk	10%	N=545
Bike	5%	N=545
Capital Bikeshare	1%	N=545
Bus	8%	N=545
Drove alone	9%	N=545
Carpool (drove or rode in a car with others)	3%	N=545
Metrorail	3%	N=545
Taxi/ Uber	2%	N=545
VRE commuter rail	0%	N=545
Worked at home	4%	N=545
I did not work	74%	N=545
Other	0%	N=545

Table 161: Question #2 (Open Participation Survey)

Sunday (Percent of respondents who used each mode)	Percent	Number
Walk	9%	N=545
Bike	5%	N=545
Capital Bikeshare	1%	N=545
Bus	7%	N=545
Drove alone	10%	N=545
Carpool (drove or rode in a car with others)	3%	N=545
Metrorail	2%	N=545
Taxi/ Uber	1%	N=545
VRE commuter rail	0%	N=545
Worked at home	2%	N=545
I did not work	74%	N=545
Other	0%	N=545

Table 162: Question #3 (Open Participation Survey)

Does your employer offer any of the following commuter benefits? (Select all that apply.)	Percent	Number
SmartBenefits (Subsidized transit)	68%	N=188
Free Parking	44%	N=122
Pre-Tax Parking	13%	N=35
Bikeshare/Dockless Mobility memberships or bicycle subsidies	12%	N=34
Other	5%	N=13
Carpool or Vanpool Program	4%	N=10

Table 163: Question #4 (Open Participation Survey)

If you most often drive to get to work, which of the following are the main reasons? (Please select all that apply.)	Percent	Number
Don't usually drive alone to get to work	52%	N=177
Quickest/most convenient	36%	N=122
Need/want to make stops/run errands on the way to/from work	24%	N=83
Irregular work schedule	18%	N=61
Bus or Metrorail is not available or inadequate	15%	N=51
Need/want to come and go from the workplace during the day	12%	N=41
Privacy	11%	N=37
Too hard to get to work location from Metrorail station or bus stop	8%	N=27
Driving costs less	8%	N=27
Work reasons/commitments	7%	N=23
Too hard to get to Metrorail station or bus stop from home	7%	N=22
I take a child/children to and/or from school or child care on the way to/ from work	6%	N=20
Personal reasons/commitments	5%	N=16
I need somewhere to store larger/multiple things (luggage, groceries, other purchases, etc.)	4%	N=14
Other:	4%	N=14
Don't have shower at work if I walk or bike	3%	N=11
Other modes are not safe	3%	N=9
Don't want to take a shower at work if bike or walk	2%	N=8

Table 164: Travel Mode for 7 Kinds of Trips (Open Participation Survey)

Percent of respondents using each mode to complete any of 7 kinds of trips (parks & recreation centers, grocery store, non-grocery errands, restaurants, fun or fitness, visit friends or family, other social activities)	Percent	Number
Percent who ever walk	90%	N=545
Percent who ever bike	32%	N=545
Percent who ever use Capital Bikeshare	10%	N=545
Percent who ever bus	51%	N=545
Percent who ever drive	78%	N=545
Percent who ever carpool	36%	N=545
Percent who ever use Metrorail	50%	N=545
Percent who ever use a taxi/uber	31%	N=545
Percent who ever do something else	7%	N=545

Table 165: Question #5 (Open Participation Survey)

Parks & recreation centers	Percent	Number
I did not do this activity	14%	N=545
Walk	68%	N=545
Bike	20%	N=545
Capital Bikeshare	4%	N=545
Bus	21%	N=545
Drove alone	33%	N=545
Carpool	12%	N=545
Metrorail	13%	N=545
Taxi/ Uber	6%	N=545
Other	0%	N=545

Table 166: Question #5 (Open Participation Survey)

Grocery store	Percent	Number
I did not do this activity	0%	N=545
Walk	56%	N=545
Bike	14%	N=545
Capital Bikeshare	1%	N=545
Bus	20%	N=545
Drove alone	66%	N=545
Carpool	9%	N=545
Metrorail	6%	N=545
Taxi/ Uber	2%	N=545
Other	2%	N=545

Table 167: Question #5 (Open Participation Survey)

Non-grocery errands	Percent	Number
I did not do this activity	1%	N=545
Walk	65%	N=545
Bike	18%	N=545
Capital Bikeshare	4%	N=545
Bus	36%	N=545
Drove alone	71%	N=545
Carpool	16%	N=545
Metrorail	25%	N=545
Taxi/ Uber	8%	N=545
Other	2%	N=545

Table 168: Question #5 (Open Participation Survey)

Restaurants	Percent	Number
I did not do this activity	11%	N=545
Walk	61%	N=545
Bike	10%	N=545
Capital Bikeshare	4%	N=545
Bus	30%	N=545
Drove alone	40%	N=545
Carpool	24%	N=545
Metrorail	22%	N=545
Taxi/ Uber	15%	N=545
Other	2%	N=545

Table 169: Question #5 (Open Participation Survey)

Fun or fitness	Percent	Number
I did not do this activity	3%	N=545
Walk	75%	N=545
Bike	23%	N=545
Capital Bikeshare	6%	N=545
Bus	29%	N=545
Drove alone	36%	N=545
Carpool	15%	N=545
Metrorail	26%	N=545
Taxi/ Uber	12%	N=545
Other	1%	N=545

Table 170: Question #5 (Open Participation Survey)

Visit friends or family	Percent	Number
I did not do this activity	11%	N=545
Walk	40%	N=545
Bike	16%	N=545
Capital Bikeshare	3%	N=545
Bus	19%	N=545
Drove alone	54%	N=545
Carpool	25%	N=545
Metrorail	27%	N=545
Taxi/ Uber	16%	N=545
Other	5%	N=545

Table 171: Question #5 (Open Participation Survey)

Other social activities	Percent	Number
I did not do this activity	18%	N=545
Walk	41%	N=545
Bike	16%	N=545
Capital Bikeshare	5%	N=545
Bus	28%	N=545
Drove alone	50%	N=545
Carpool	20%	N=545
Metrorail	30%	N=545
Taxi/ Uber	15%	N=545
Other	4%	N=545

Table 172: Question #6 (Open Participation Survey)

In the past month, how often did you use a GPS app like Google Maps or Waze to help determine your route to avoid traffic?	Percent	Number
Daily or Near Daily	33%	N=181
Few times per week	30%	N=162
Few times per month	19%	N=105
Never	12%	N=66
One time	5%	N=29
Total	100%	N=543

Table 173: Question #7 (Open Participation Survey)

In the past month, how many times, if ever, did you use any of these modes of transportation around Alexandria?	Daily or Near Daily		Few times per week		Few times per month		One time		Never	
	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number
Walk	49%	N=261	29%	N=153	16%	N=87	2%	N=9	4%	N=21
Bike	12%	N=60	5%	N=28	13%	N=65	8%	N=40	63%	N=322
Bikeshare (Capital Bike Share, dockless bikeshare, dockless scooter/e-scooter)	1%	N=4	2%	N=11	8%	N=36	12%	N=55	78%	N=369
Drive alone	26%	N=135	30%	N=159	20%	N=103	2%	N=11	22%	N=116
Private Vehicle – as driver	21%	N=106	28%	N=141	16%	N=81	1%	N=4	35%	N=177
Private Vehicle – as passenger	4%	N=19	15%	N=77	32%	N=163	12%	N=60	38%	N=197
Motorcycle/moped/motorized scooter	0%	N=0	0%	N=2	1%	N=6	1%	N=7	97%	N=489
Taxi, other hired car service	0%	N=0	1%	N=6	10%	N=46	12%	N=56	77%	N=367
Carshare (Zipcar, Hertz OnDemand)	0%	N=0	0%	N=0	1%	N=6	5%	N=24	94%	N=461
Transportation Network Company (TNC such as Uber, Lyft, Via)	0%	N=1	4%	N=18	32%	N=157	26%	N=128	38%	N=189
Rail (Metrorail, commuter rail)	10%	N=53	21%	N=111	36%	N=185	14%	N=73	19%	N=96
DASH Bus	9%	N=47	19%	N=98	27%	N=140	10%	N=53	34%	N=176
Metro Bus	5%	N=25	10%	N=50	13%	N=65	14%	N=70	58%	N=292
Multiple transit systems	8%	N=41	14%	N=70	23%	N=117	11%	N=56	43%	N=216
Carpool/Vanpool	2%	N=8	3%	N=14	11%	N=56	4%	N=20	80%	N=406

Table 174: Question #8 (Open Participation Survey)

To what extent do you agree or disagree that each of the following would increase your use of public transportation (bus or metro) as a means of transportation:	Strongly Agree		Somewhat Agree		Somewhat Disagree		Strongly Disagree	
	Percent	Number	Percent	Number	Percent	Number	Percent	Number
Services were more reliable	35%	N=181	42%	N=219	14%	N=70	9%	N=46
Services were more frequent	50%	N=265	34%	N=179	9%	N=46	7%	N=37
There were more direct routes/fewer transfers to destinations	47%	N=245	41%	N=214	6%	N=32	7%	N=36
Services were less expensive	19%	N=93	36%	N=181	22%	N=112	23%	N=117
My travel time was less than if I used a personal vehicle	46%	N=243	31%	N=159	14%	N=71	9%	N=49
There were routes that stop at my desired destinations	47%	N=244	37%	N=196	8%	N=44	8%	N=41
There were routes that stop at or near my home	44%	N=229	33%	N=171	10%	N=52	13%	N=71
I felt safer from crime while riding public transportation	19%	N=101	32%	N=169	24%	N=127	24%	N=126
I felt safer from crime waiting at the station	21%	N=110	33%	N=174	22%	N=116	23%	N=122
I had somewhere to put my things (luggage, groceries, other purchases, etc.)	14%	N=73	39%	N=202	29%	N=153	18%	N=93
Children could ride free on Metro	18%	N=93	29%	N=151	22%	N=111	31%	N=157
Public transportation vehicles were more comfortable	10%	N=51	45%	N=232	27%	N=137	19%	N=98
I do not want to use public transportation	7%	N=38	9%	N=45	13%	N=65	71%	N=368

Table 175: Question #9 (Open Participation Survey)

In the last month, about how frequently have you done each of the following?	Never		1-10 times a month		11-20 times a month		More than 20 times a month	
	Percent	Number	Percent	Number	Percent	Number	Percent	Number
Ridden a bicycle for fun or exercise	56%	N=299	31%	N=165	5%	N=29	8%	N=42
Walked, ran, or jogged for fun or exercise	11%	N=57	39%	N=209	19%	N=99	31%	N=168

Table 176: Question #10 (Open Participation Survey)

To what extent do you agree or disagree that each of the following would increase your use of walking as a means of transportation:	Strongly Agree		Somewhat Agree		Somewhat Disagree		Strongly Disagree	
	Percent	Number	Percent	Number	Percent	Number	Percent	Number
If there were more sidewalks	43%	N=229	34%	N=180	13%	N=70	10%	N=53
If there were more crosswalks	44%	N=235	31%	N=163	14%	N=73	11%	N=59
If the sidewalks and paths were in better condition	47%	N=252	32%	N=172	12%	N=66	9%	N=50
If there were more off-street walking or multi-use paths/trails	51%	N=271	27%	N=144	13%	N=71	9%	N=48
If there was more street lighting after dark	48%	N=255	31%	N=161	13%	N=66	8%	N=43
If I had access to workplace showers	7%	N=34	21%	N=106	31%	N=162	42%	N=215
If I felt more safe from traffic while walking	48%	N=249	29%	N=152	11%	N=57	12%	N=64
If I felt more safe from crime while walking	24%	N=126	35%	N=185	20%	N=106	22%	N=118
If It didn't take longer to walk to my destinations than to drive	34%	N=181	33%	N=173	18%	N=95	15%	N=82
I do not want to walk as a means of transportation	7%	N=34	7%	N=37	25%	N=131	61%	N=322

Table 177: Question #11 (Open Participation Survey)

To what extent do you agree or disagree that each of the following would increase your use of a bicycle as a means of transportation: (Percent somewhat or strongly agree)	Strongly Agree		Somewhat Agree		Somewhat Disagree		Strongly Disagree	
	Percent	Number	Percent	Number	Percent	Number	Percent	Number
If there were more on-street bike lanes	37%	N=193	18%	N=94	11%	N=55	34%	N=176
If there were more off-street bike or multi-use paths/trails	51%	N=268	15%	N=76	7%	N=36	27%	N=141
If there was more street lighting after dark	36%	N=187	22%	N=114	11%	N=58	31%	N=158
If I had access to a bicycle	19%	N=97	13%	N=67	14%	N=73	53%	N=270
If I had access to an electric/pedal assist bicycle	15%	N=76	22%	N=113	16%	N=82	46%	N=234
If I had access to workplace showers	12%	N=58	17%	N=84	19%	N=90	52%	N=248
If I had a place to securely store a bicycle at work	26%	N=128	17%	N=86	15%	N=74	42%	N=208
If there were places to securely park a bicycle at other destinations	35%	N=180	26%	N=133	9%	N=45	30%	N=153
If I felt more safe from traffic while riding a bicycle	53%	N=275	17%	N=85	3%	N=16	27%	N=141
If I felt more safe from crime while riding a bicycle	15%	N=77	20%	N=101	24%	N=121	41%	N=209
If It didn't take longer to ride a bicycle to my destinations than to drive	21%	N=108	25%	N=130	20%	N=103	33%	N=170
If I knew how to ride a bike	5%	N=26	8%	N=40	6%	N=31	80%	N=397
If there were more Capital Bikeshare stations	11%	N=54	22%	N=111	20%	N=100	47%	N=239
I do not want to use a bicycle as a means of transportation	27%	N=137	9%	N=47	15%	N=77	49%	N=253

Table 178: Question #12 (Open Participation Survey)

Did you know that all DASH buses in Alexandria are free to ride?	Percent	Number
Yes	93%	N=505
No	7%	N=38
Total	100%	N=543

Table 179: Question #13 (Open Participation Survey)

Have you heard of GO Alex, the City's program that helps people find transportation options?	Percent	Number
Yes	30%	N=163
No	70%	N=380
Total	100%	N=543

Table 180: Question #14 (Open Participation Survey)

Do you have school-aged children?	Percent	Number
Yes	14%	N=77
No	86%	N=466
Total	100%	N=543

Table 181: Question #15 (Open Participation Survey)

Please indicate how your child(ren) typically travel to/from school? (Please select all that apply.)	Percent	Number
Walk	48%	N=37
Driven by caregiver	38%	N=29
School bus	24%	N=18
Public transportation	23%	N=18
Bike	19%	N=15
Carpool	8%	N=6
Drive themselves alone	4%	N=3
Other	3%	N=2
Driven by taxi, Uber, Lyft, etc.	0%	N=0
Total	100%	N=77

Table 182: Question #16 (Open Participation Survey)

If your children are driven to school or drive themselves, please indicate which, if any, of the following factors discourage you from using other modes of transportation for your child(ren) to/from school (please select all that apply):	Percent	Number
Distance to school	63%	N=27
Takes too long to use other modes	33%	N=14
Inconvenient to use other modes	31%	N=13
Not safe	31%	N=13
Lack of sidewalks, bike lanes	28%	N=12
Other	28%	N=12
Cost	9%	N=4
Do not have access to public transportation	3%	N=1
Do not have access to a bicycle	2%	N=1
Total	100%	N=42

Appendix H: Survey Methodology

Survey Purpose

The City of Alexandria's Department of Transportation and Environmental Services contracted with Polco to conduct a survey on City-wide multimodal transportation trends and preferences. The City initially worked with Polco to conduct the survey in 2016, 2021, and 2023, and this 2025 survey serves to continue to add important data to the trend line to help assess the impact of polices, programs, and plans.

Developing the Questionnaire

The three-page questionnaire was developed through an iterative process between the staff of the City of Alexandria's Department of Transportation and Environmental Services and Polco. The 2025 survey was developed by starting with the previous questionnaires to ensure comparisons could be made. Most 2023 questions were kept as-is and only a few received small updates. The goal was to craft a survey instrument that would be easy to complete by recipients and that would provide the City with the information needed for the various purposes stated above. The questionnaire was available in English and Spanish. A copy of the English questionnaire can be found in *Appendix I: Survey*.

Selecting Survey Recipients

"Sampling" refers to the method by which survey recipients are chosen. The "sample" refers to all those who were given a chance to participate in the survey. Ideally, the chosen survey recipients should be representative of all eligible survey recipients. Randomly selecting survey recipients ensures that this will occur.

All households located in the Alexandria city limits were eligible to be a part the survey; 4,500 were selected at random to receive the survey. Because local governments generally do not have inclusive lists of all the residences in the jurisdiction (tax assessor and utility billing databases often omit rental units), lists from the United States Postal Service (USPS), updated every three months, usually provide the best representation of all households in a specific geographic location. Polco used the USPS data to select the sample of households. Addresses from the zip codes serving the city were geocoded (mapped to a specific latitude and longitude). Addresses outside the city limits were excluded, while addresses within each of eight areas (West End, Central, North Ridge, Arlandria, Potomac Yard, Del Ray, Old Town and Carlyle) were coded to permit results to be compared geographically.

Administering the Survey

The database of selected household addresses was processed for certification and verification, using use CASS™/NCOA software that relies on the USPS National Directory information to verify and standardize the address elements and assign each a complete, nine-digit zip code where possible.

A total of 4,500 household addresses were randomly selected from a US Postal Service (USPS) list of all residential addresses in the City to receive a mailed survey or a mailed invitation to an online survey on Polco. Mailings were sent over a three-week period starting November 12, 2025, and data collection was closed December 28, 2025.

The 4,500 selected households received three mailings over three weeks. The initial contact was a postcard invitation to complete the survey online. The second contact was a paper survey, with a postage-paid reply envelope for returning the completed survey. Finally, a reminder postcard was sent to all households.

Additionally, a second online survey was programmed (with the same questions as the address-based sampled survey) and invitations were made available to residents via City social media and other communication channels. This open participation effort was conducted during the last three weeks of December 2025.

Overall, there were 617 responses to the mailed invitations/surveys from the sampled outreach effort: for a response rate of 14% and a margin of error of $\pm 4\%$. A total of 202 completed surveys were returned by mail and 415 surveys were completed online. Of the 4,500 households mailed surveys, 161 were determined to be vacant or otherwise undeliverable by the post office. Thus, the response rate from the 4,339 households who received a survey was 14%. This is a good response rate; typical response rates for a survey of this type range from 10% to 20%.

The 95% confidence interval (or “margin of error”) quantifies the “sampling error” or precision of the estimates made from the survey results. A 95% confidence interval can be calculated for any sample size and indicates that in 95 of 100 surveys conducted like this one, for a particular item, a result would be found that is within a certain range if everyone in the population of interest was surveyed. The practical difficulties of conducting any resident survey may introduce other sources of error in addition to sampling error. Despite the best efforts to boost participation and ensure potential inclusion of all households, some selected households will decline participation in the survey (referred to as non-response error) and some eligible households may be unintentionally excluded from the listed sources for the sample (referred to as coverage error). Coverage error is very low for this survey, as the USPS delivery sequence file is used to select addresses, which has nearly complete coverage of all households. For this survey, with 617 responses, the 95% confidence interval is plus or minus 4 percentage points.

The 95% confidence interval is wider for respondent subgroups than for the full sample. For example, the table below shows the 95% confidence intervals for estimates by geographic area within the city. For these subgroup estimates, the margin of error is approximately ± 9 percentage points. Four geographic areas were combined for analysis because each had fewer than 65 respondents. In the appendices with cross-tabulations by area or other household and respondent characteristics, statistical differences are noted with a lettering system explained on page 43 of *Appendix C: Selected Survey Responses by Area of Residence*.

Area	Number of responses	95% confidence interval (plus or minus)
West End	104	9.6%
Central	126	8.7%
North Ridge/Arlandria/Potomac Yard/Carlyle	150	8.0%
Del Ray	75	11.3%
Old Town	162	7.7%
Total	617	3.9%

Additionally, 545 residents responded to the open participation outreach effort. The results of these responses are summarized in *Appendix G: Complete Set of Responses for the Open Participation Survey* and compared to the Sample Outreach responses in *Appendix F: Results by Outreach Type*.

Survey Processing (Data Entry)

Mailed surveys were returned to Polco directly via postage-paid business reply envelopes. Once received, staff assigned a unique identification number to each questionnaire. Additionally, each survey was reviewed and “cleaned” as necessary. For example, a question may have asked a respondent to pick two items out of a list of five, but the respondent checked three; two of the three selected items would be randomly chosen to be entered in the dataset.

Once all surveys were assigned a unique identification number, they were entered into an electronic dataset. This dataset was subject to a data entry protocol of “key and verify,” in which survey data were entered twice into an electronic dataset and then compared. Discrepancies were evaluated against the original survey form and corrected. Range checks as well as other forms of quality control were also performed.

Analyzing the Results

One of the first steps in the data analysis was to statistically adjust the survey results so that the demographic profile of the respondents mirrored that of the population as a whole. This process is known as “weighting” the data. The primary objective of weighting survey data is to make the survey sample reflective of the larger population of the community. This is done by: 1) reviewing the sample demographics and comparing them to the population norms from the most recent sources and 2) comparing the responses to different questions for demographic subgroups. The demographic characteristics that are least similar to the known demographic profile and yield the most different results are the best candidates for data weighting. For this project, the population norms came from the US Census and American Community Survey data for the city of Alexandria. The results of the weighting scheme are presented in the table on the next page.

The electronic dataset was analyzed using the Statistical Package for the Social Sciences (SPSS). For the most part, frequency distributions and average (mean) ratings are presented in the body of the report. A complete set of frequencies for each survey question is presented in *Appendix A: Complete Set of Responses*. Chi-square or ANOVA tests of significance were applied to these breakdowns of selected survey questions. A “p-value” of 0.05 or less indicates that there is less than a 5% probability that differences observed between groups are due to chance; or in other words, a greater than 95% probability that the differences observed in the selected categories of the sample represent “real” differences among those populations.

Table 183: Weighting Table

		Census	Address-based		Open Participation	
			Unweighted	Weighted	Unweighted	Weighted
Type of Housing Unit	Detached	15%	20%	15%	40%	20%
	Attached	85%	80%	85%	60%	80%
Tenure (Own or Rent)	Own	42%	62%	44%	82%	46%
	Rent	58%	38%	56%	18%	54%
Ethnicity	Not Hispanic	85%	93%	85%	94%	85%
	Hispanic	15%	7%	15%	6%	15%
Gender of Respondent	Male	47%	48%	47%	44%	47%
	Female	53%	52%	53%	56%	53%
Age of Respondent	18-34	38%	18%	36%	17%	36%
	35-54	38%	33%	37%	37%	39%
	55+	24%	49%	27%	48%	26%

Appendix I: Survey Materials

The following pages contain copies of the survey materials sent to randomly selected households within the City of Alexandria.

2025 City of Alexandria Transportation Needs Assessment Survey

Please complete this questionnaire if you are the adult (age 18 or older) in the household who most recently had a birthday. Your responses are completely confidential and no identifying information will be shared.

1. What is your employment status?

- Employed full- or part-time
- Currently not employed → skip to question 5
- Not employed, not looking for work (retired, stay-at-home parent, etc.) → skip to question 5

2. In the last week that you worked, please indicate all of the mode(s) you used as part of how you got to work on each day (please select all that apply). For example, if you rode Capital Bikeshare to the metro and then walked to your building on Monday, you would select Capital Bikeshare, Metro and Walk as your modes for Monday.

	Walk	Bike	Capital Bikeshare/ dockless scooters/ e-bikes	Bus	Drove alone	Carpool (drove or rode in a car with others)	Metro rail	Taxi/ Uber	VRE commuter rail	Worked at home	I did not work	Other
Monday	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Tuesday	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Wednesday	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Thursday	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Friday	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Saturday	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Sunday	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

3. Does your employer offer any of the following commuter benefits? (Select all that apply.)

- Free parking
- SmartBenefits (Subsidized transit)
- Bikeshare/dockless mobility memberships or bicycle subsidies
- Other
- Pre-tax parking
- Carpool or vanpool program

4. If you typically drive alone to get to work, which of the following are the main reasons? (Select all that apply.)

- Don't usually drive alone to get to work
- Quickest/most convenient
- Privacy
- Irregular work schedule
- I take a child/children to and/or from school or child care on the way to/ from work
- Need/want to make stops/run errands on the way to/from work
- Need/want to come and go from the workplace during the day
- Personal reasons/commitments
- Work reasons/commitments
- Don't have shower at work if I walk or bike
- Don't want to take a shower at work if bike or walk
- Too hard to get to work location from Metro rail station or bus stop
- Too hard to get to Metro rail station or bus stop from home
- Bus or Metro rail is not available or inadequate
- Driving costs less
- Other modes are not safe
- I need somewhere to store larger/multiple things (luggage, groceries, other purchases, etc.)
- Other: _____

5. Please check all the mode(s) you used in the last month to access or do each of the following. (Select all that apply.)

	Did not do this activity	Walk	Bike	Capital Bikeshare/ dockless scooters/e-bikes	Bus	Drove alone	Carpool	Metro rail	Taxi/ Uber	Other
Parks & recreation centers	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Grocery store	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Non-grocery errands	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Restaurants	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Fun or fitness	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Visit friends or family	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Other non-work commute trips	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

6. In the past month, how often did you use a GPS app like Google Maps or Waze to help determine your route to avoid congestion?

- Daily/nearly daily Few times per week Few times per month 1 time Never

7. In the past month, how many times, if ever, did you use any of these modes of transportation around Alexandria?

	Daily/ nearly daily	Few times per week	Few times per month	1 time	Never
Walk.....	1	2	3	4	5
Bike.....	1	2	3	4	5
Bikeshare (Capital Bike Share, dockless bikeshare, dockless scooter/escooter) ...	1	2	3	4	5
Drive alone	1	2	3	4	5
Private Vehicle – as driver	1	2	3	4	5
Private Vehicle – as passenger	1	2	3	4	5
Motorcycle/moped/motorized scooter	1	2	3	4	5
Taxi, other hired car service.....	1	2	3	4	5
Carshare (Zipcar, Hertz OnDemand)	1	2	3	4	5
Transportation Network Company (TNC such as Uber, Lyft, Via).....	1	2	3	4	5
Rail (Metro rail, commuter rail)	1	2	3	4	5
DASH Bus.....	1	2	3	4	5
Metro Bus.....	1	2	3	4	5
Multiple transit systems	1	2	3	4	5
Carpool/Vanpool	1	2	3	4	5
Paratransit (DOT Paratransit, Metro Access)	1	2	3	4	5

8. To what extent do you agree or disagree that each of the following would increase your use of public transportation (bus or metro):

	Strongly agree	Somewhat agree	Somewhat disagree	Strongly disagree
Services were more reliable.....	1	2	3	4
Services were more frequent.....	1	2	3	4
There were more direct routes/fewer transfers to destinations	1	2	3	4
Services were less expensive.....	1	2	3	4
My travel time was less than if I used a personal vehicle.....	1	2	3	4
There were routes that stop at my desired destinations	1	2	3	4
There were routes that stop at or near my home	1	2	3	4
I felt safer from crime while riding public transportation	1	2	3	4
I felt safer from crime waiting at the station	1	2	3	4
I had somewhere to put my things (luggage, groceries, other purchases, etc.).....	1	2	3	4
Children could ride free on Metro.....	1	2	3	4
Public transportation vehicles were more comfortable (seat comfort, severity of acceleration and braking, vehicle sway, odors, noise and lighting).....	1	2	3	4
I do not want to use public transportation.....	1	2	3	4

9. In the last month, about how frequently have you done each of the following?

	Never	1-10 times a month	11-20 times a month	More than 20 times a month
Ridden a bicycle for fun or exercise	1	2	3	4
Walked, ran, or jogged for fun or exercise	1	2	3	4

10. To what extent do you agree or disagree that each of the following would increase your use of walking as a means of transportation:

	Strongly agree	Somewhat agree	Somewhat disagree	Strongly disagree
If there were more sidewalks.....	1	2	3	4
If there were more crosswalks	1	2	3	4
If the sidewalks and paths were in better condition	1	2	3	4
If there was more off-street walking or multi-use paths/trails.....	1	2	3	4
If there was more street lighting after dark	1	2	3	4
If I had access to workplace showers.....	1	2	3	4
If I felt more safe from traffic while walking.....	1	2	3	4
If I felt more safe from crime while walking	1	2	3	4
If it didn't take longer to walk to my destinations than to drive	1	2	3	4
I do not want to walk as a means of transportation	1	2	3	4

11. To what extent do you agree or disagree that each of the following would increase your use of a bicycle as a means of transportation:

	Strongly agree	Somewhat agree	Somewhat disagree	Strongly disagree
If there were more on-street bike lanes.....	1	2	3	4
If there was more off-street bike or multi-use paths/trails	1	2	3	4
If there was more street lighting after dark.....	1	2	3	4
If I had access to a bicycle.....	1	2	3	4
If I had access to an electric/pedal assist bicycle	1	2	3	4
If I had access to workplace showers	1	2	3	4
If I had a place to securely store a bicycle at work.....	1	2	3	4
If there were places to securely park a bicycle at other destinations	1	2	3	4
If I felt more safe from traffic while riding a bicycle.....	1	2	3	4
If I felt more safe from crime while riding a bicycle	1	2	3	4
If it didn't take longer to ride a bicycle to my destinations than to drive	1	2	3	4
If I knew how to ride a bike	1	2	3	4
If there were more Capital Bikeshare stations.....	1	2	3	4
I do not want to use a bicycle as a means of transportation.....	1	2	3	4

12. Did you know that all DASH buses in Alexandria are free to ride? Yes No

13. Have you heard of GO Alex, the City's program that helps people find transportation options? Yes No

14. Do you have school-aged children? Yes → go to question 15 No → skip to question 17

15. How do your child(ren) typically travel to/from school? (Select all that apply.)

- Walk
- Driven by caregiver
- Driven by taxi, Uber, Lyft, etc.
- Bike
- Carpool
- Public transportation
- School bus
- Drive themselves alone
- Other _____

16. If your children are driven to school or drive themselves, which, if any, of the following factors keep your child(ren) from walking, biking, or taking school bus or public transportation to/from school (Select all that apply):

- Distance to school
- Takes too long to use other modes
- Inconvenient to use other modes
- Not safe
- Other _____
- Cost
- Do not have access to a bicycle
- Do not have access to public transportation
- Lack of sidewalks, bike lanes

Our last questions are about you and your household. Again, all of your responses to this survey are completely confidential and no identifying information will be shared with the City or tied to your response.

17. Which best describes the building you live in?

- Single-family detached house
- Duplex, townhouse
- Apartment or condominium
- Other

18. Is your home...?

- Rented
- Owned

19. How many of the following does your household have?

	None (0)	One (1)	Two+ (2+)
Passenger vehicles (cars, SUVs, etc.) ...	0	1	2+
Motorcycles, scooters, etc.	0	1	2+
Useable bicycles.....	0	1	2+
Electric-assist bicycles.....	0	1	2+

20. Are you Hispanic, Latino/a/x, Spanish origin?

- No, not of Hispanic, Latino/a/x, Spanish origin
- Yes, I consider myself to be of Hispanic, Latino/a/x, Spanish origin

21. What is your race? (Mark one or more races to indicate what race you consider yourself to be.)

- American Indian or Alaskan Native
- Asian
- Black or African American
- Native Hawaiian or other Pacific Islander
- White
- A race not listed

22. What is your gender?

- Female
- Male
- Identify another way

23. In which category is your age?

- 18-24 years
- 25-34 years
- 35-44 years
- 45-54 years
- 55-64 years
- 65-74 years
- 75 years or older

Thank you for completing this survey. Please return the completed questionnaire to National Research Center. PO Box 14050. Houston, TX 77221-9904 in the postage-paid envelope provided

Dear City of Alexandria Resident,

It won't take much of your time to make a big difference!

Your household has been randomly selected to participate in City of Alexandria's 2025 Transportation Needs Assessment Survey. In order to hear from a diverse group of residents, the member of your family who had the most recent birthday (who is also over 18) should complete this survey. You can go online and complete the confidential survey at the link below (enter the survey link exactly as it appears into your address bar of your web browser or scan the QR code):

www.polco.us/xxplaceholder

Please do not share your survey link. This survey is for randomly selected households only. The City will conduct a separate survey that is open to all residents just a few weeks from now. You can also wait a few days for the survey to arrive in the mail.

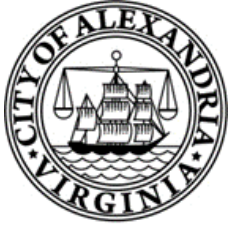
If you have any questions about the survey please call Carson C. Lucarelli, Transportation Planner, at 703.746.4085.

The City of Alexandria is committed to compliance with the Americans with Disabilities Act, as amended. To request reasonable accommodation, call the number above.

Thank you for your time and participation!

Sincerely,

Hillary Orr | Deputy Director of Transportation Planning and Mobility



2900 Business Center Dr.
c/o Carson C. Lucarelli, Transportation Planner
Alexandria, VA 22314

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The City of Alexandria wants to hear from you!

Scan the QR code and complete the survey.

DEPARTMENT OF TRANSPORTATION
AND ENVIRONMENTAL SERVICES



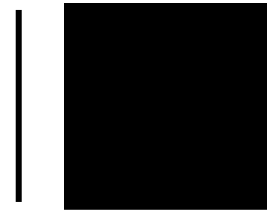
Dear City of Alexandria Resident:

You have been selected at random to participate in the City of Alexandria 2025 Transportation Needs Assessment Survey. Please take a few minutes to fill out the enclosed survey. Your participation in this survey is very important since your feedback will help Alexandria better understand transportation trends and needs. (If you have already completed the online survey, we thank you for your time and ask you to recycle this survey. Please do not respond twice.)

A few things to remember:

- Your responses are completely confidential. No identifying information will be shared.
- In order to hear from a diverse group of residents, the member of your family who had the most recent birthday (who is also over 18) should complete this survey.
- You may return the survey by mail in the enclosed postage-paid envelope, or you can complete the survey online at the link below (enter the survey link exactly as it appears into your address bar of your web browser or scan the QR code).

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Thank you for your time and participation!

Sincerely,

Hillary Orr
Deputy Director of Transportation Planning and Mobility

Dear City of Alexandria Resident,

Just a reminder—if you have not yet completed the City of Alexandria’s 2025 Transportation Needs Assessment Survey, please do so. If you have completed it, thank you. Please do not respond twice.

In order to hear from a diverse group of residents, the member of your family who had the most recent birthday (who is also over 18) should complete this survey. You can go online and complete the confidential survey at the link below (enter the survey link exactly as it appears into your address bar of your web browser or scan the QR code):

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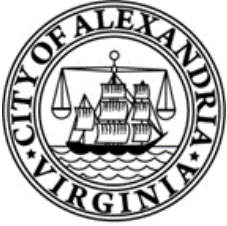
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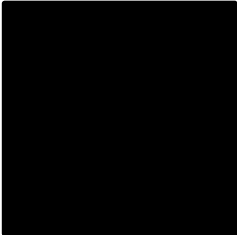
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**Last chance! Complete the 2025 City of Alexandria
Transportation Needs Assessment Survey!**

Scan the QR code and complete the survey.