

LABarometer

TOPLINE RESULTS – WAVE 1 – MOBILITY SURVEY

Release Date: February 19, 2020. Field dates: December 11, 2019 – February 7, 2020.

Sample: 1,394 Los Angeles County residents (77% response rate)

Margin of Sampling Error¹: 2.6 percentage points

Full survey codebook and data are at <https://uasdata.usc.edu/survey/UAS+219>. The tables report weighted column percentages.

We would like to learn more about how people travel to and from places in Los Angeles County and how they feel about the transportation modes available to them. Thank you for your participation in this important study about where we live.

tr001. Over the last year, what modes of transportation did you use to go to places (like work, the grocery store, daycare, medical appointments, restaurants, parks, the airport, etc.) in or around Los Angeles County? **Please check all that apply.**

Be sure to include transportation modes that you used in combination with one another. For example, if your commute to work typically involves a 10-minute walk to the bus stop, a 20-minute bus ride, and a 10-minute electric scooter ride to your workplace, you would check options that contain "public transportation," "walk," and "electric scooter" below.

When thinking about the modes of transportation that you used for different trips, **please exclude any trips that you made to transport people or goods for pay** (for example, trips made as an Uber, Lyft, or taxi driver, a food or freight delivery driver, etc.).

| | |
|--|-------|
| Private vehicle (car, van, carpool, truck, SUV) - as driver or passenger | 89.04 |
| Ride-hailing service (Uber, Lyft, etc.) - as passenger | 43.69 |
| Taxi, limo, hired car service - as passenger | 7.27 |
| Public transportation (i.e. bus, light rail/subway, train, dial-a-ride, etc.) - as passenger | 35.12 |
| Walk, skateboard, or kick scooter | 41.20 |
| Bicycle or bikeshare (non-electric) | 10.24 |
| Electric scooter, electric bike, or electric skateboard (Bird, Lime, etc.) | 5.86 |
| Motorcycle or moped - as driver or passenger | 1.89 |
| Other (shuttle, commercial vehicle, boat, etc.). Please specify: | 4.99 |

¹ Factors other than sampling error, including question wording, question order, sample type (e.g. opt-in panels vs. probability panels such as UAS), population coverage, and impact of current events, may affect the results of any survey. In addition, the results of questions asked without an interviewer (e.g. in an internet panel) may differ somewhat from similar questions asked by an interviewer over the phone. The margin of sampling error is calculated at the 95% confidence level, using a sample proportion of 0.5 to generate an upper bound of uncertainty. Please note that this is only an approximate measure of error. A more precise measure would require upper and lower bounds to be calculated for each individual question or outcome.

Asked of respondents who selected “public transportation” in tr001.

tr002. You selected public transportation as a transportation mode that you used in the last year to go to places in or around Los Angeles. What specific forms of public transportation did you use? **Please check all that apply.**

| | |
|--|-------|
| Bus | 69.60 |
| Metro light rail/subway (Metro Red, Green, Gold, Purple, A (Blue), and E (Expo) Lines) | 73.62 |
| Metrolink train | 24.23 |
| Amtrak train | 6.94 |
| Dial-A-Ride (paratransit) | 1.71 |
| Other. Please specify: | 4.26 |

The next questions ask you to think about how often and for what purpose you used different transportation modes in a typical month this past year. If every month is different, think about the most recent month. As you answer these questions, please exclude any trips that you made to transport people or goods for pay (for example, trips made as an Uber, Lyft, or taxi driver, a food or freight delivery driver, etc.).

Asked of respondents who selected “private vehicle” in tr001.

tr003. In a typical month this past year, about how many days did you drive or ride as a passenger in a **private vehicle (car, van, carpool, truck, or SUV)** to go to places in or around Los Angeles County?

| | |
|----------------------------|-------|
| Every day | 42.25 |
| Most days per week | 24.79 |
| A few days per week | 12.31 |
| One day per week | 4.58 |
| Less than one day per week | 16.08 |

Asked of respondents who selected “private vehicle” in tr001.

tr004. Now, in that same typical month, what kinds of activities did you use a **private vehicle** (solely or in combination with other forms of transportation, like a bus or train) for? **Please check all that apply.**

| | |
|---|-------|
| Job or school related activities (e.g. attending a class, commuting to an office, worksite, or work-related meeting) | 68.51 |
| Personal or caretaking activities (e.g. grocery shopping, errands, medical care, taking child to school, taking a relative to an appointment) | 83.32 |
| Social or leisure activities (e.g. visiting family, seeing a movie, going out to dinner) | 75.55 |

| | |
|---------------------------------------|-------|
| Transportation to or from the airport | 21.40 |
| Other. Please specify: | 3.40 |

Asked of respondents who selected “ride-hailing service” in tr001.

tr005. In a typical month this past year, about how many days did you use a **ride-hailing service (Uber, Lyft, etc.)**, as a passenger, to go to places in or around Los Angeles County?

| | |
|----------------------------|-------|
| Every day | 0.78 |
| Most days per week | 4.07 |
| A few days per week | 10.26 |
| One day per week | 10.46 |
| Less than one day per week | 74.43 |

Asked of respondents who selected “ride-hailing service” in tr001.

tr006. Now, in that same typical month, what kinds of activities did you use a **ride-hailing service** (solely or in combination with other forms of transportation, like a bus or train) for? **Please check all that apply.**

| | |
|---|-------|
| Job or school related activities (e.g. attending a class, commuting to an office, worksite, or work-related meeting) | 25.41 |
| Personal or caretaking activities (e.g. grocery shopping, errands, medical care, taking child to school, taking a relative to an appointment) | 28.08 |
| Social or leisure activities (e.g. visiting family, seeing a movie, going out to dinner) | 54.18 |
| Transportation to or from the airport | 35.62 |
| Other. Please specify: | 4.36 |

Asked of respondents who selected “taxi, limo, or hired car service” in tr001.

tr007. In a typical month this past year, about how many days did you use a **taxi, limo, or hired car service**, as a passenger, to go to places in or around Los Angeles County?

| | |
|----------------------------|-------|
| Every day | 0.42 |
| Most days per week | 2.53 |
| A few days per week | 5.66 |
| One day per week | 3.17 |
| Less than one day per week | 88.22 |

Asked of respondents who selected “taxi, limo, or hired car service” in tr001.

tr008. Now, in that same typical month, what kinds of activities did you use a **taxi, limo, or hired car service** (solely or in combination with other forms of transportation, like a bus or train) for? **Please check all that apply.**

| | |
|---|-------|
| Job or school related activities (e.g. attending a class, commuting to an office, worksite, or work-related meeting) | 12.61 |
| Personal or caretaking activities (e.g. grocery shopping, errands, medical care, taking child to school, taking a relative to an appointment) | 21.18 |
| Social or leisure activities (e.g. visiting family, seeing a movie, going out to dinner) | 33.63 |
| Transportation to or from the airport | 53.16 |
| Other. Please specify: | 4.52 |

Asked of respondents who selected “bus” in tr002.

tr009. In a typical month this past year, about how many days did you ride a **public bus** to go to places in or around Los Angeles County?

| | |
|----------------------------|-------|
| Every day | 11.52 |
| Most days per week | 14.74 |
| A few days per week | 17.86 |
| One day per week | 5.41 |
| Less than one day per week | 50.47 |

Asked of respondents who selected “bus” in tr002.

tr010. Now, in that same typical month, what kinds of activities did you use a **public bus** (solely or in combination with other forms of transportation, like a train or walking) for? **Please check all that apply.**

If you typically transferred to or from another bus line or another mode of public transportation (like the Metro), be sure to include how you got from one stop or station to another. For example, some people transfer from the bus to the Metro by walking or bicycling from their bus stop to a Metro station.

| | |
|---|-------|
| Job or school related activities (e.g. attending a class, commuting to an office, worksite, or work-related meeting) | 48.66 |
| Personal or caretaking activities (e.g. grocery shopping, errands, medical care, taking child to school, taking a relative to an appointment) | 50.54 |
| Social or leisure activities (e.g. visiting family, seeing a movie, going out to dinner) | 38.52 |
| Transportation to or from the airport | 9.88 |
| Other. Please specify: | 5.47 |

Asked of respondents who selected “bus” in tr002.

tr011. During that typical month, how did you get to and from the **bus stop(s)** that you used? **Please check all that apply.**

| | |
|--|-------|
| Walking | 91.87 |
| Skateboard or kick scooter | 3.25 |
| Bicycle or bikeshare (non-electric) | 5.42 |
| Electric scooter, electric bike, or electric skateboard (Bird, Lime, etc.) | 1.63 |
| Motorcycle or moped | 0.27 |
| Ride-hailing service (Uber, Lyft, etc.) | 5.15 |
| Private car, carpool, van, truck, SUV - parked nearby | 14.09 |
| Private car, carpool, van, truck, SUV - dropped off | 8.67 |
| Taxi, limo, or hired car service | 0 |
| Public transportation (bus, light rail/subway, train, dial-a-ride, etc.) | 19.51 |
| Other. Please specify: | 1.63 |

Asked of respondents who selected “Metro light rail/subway” in tr002.

tr012. In a typical month this past year, about how many days did you ride the **Metro light rail/subway** to go to places in or around Los Angeles County?

| | |
|----------------------------|-------|
| Every day | 4.51 |
| Most days per week | 10.10 |
| A few days per week | 11.21 |
| One day per week | 7.01 |
| Less than one day per week | 67.18 |

Asked of respondents who selected “Metro light rail/subway” in tr002.

tr013. Now, in that same typical month, what kinds of activities did you use the **Metro light rail/subway** (solely or in combination with other forms of transportation, like a bus or walking) for? **Please check all that apply.**

| | |
|---|-------|
| Job or school related activities (e.g. attending a class, commuting to an office, worksite, or work-related meeting) | 35.54 |
| Personal or caretaking activities (e.g. grocery shopping, errands, medical care, taking child to school, taking a relative to an appointment) | 34.26 |
| Social or leisure activities (e.g. visiting family, seeing a movie, going out to dinner) | 60.79 |
| Transportation to or from the airport | 8.03 |
| Other. Please specify: | 3.56 |

Asked of respondents who selected “Metro light rail/subway” in tr002.

tr014. During that typical month, how did you travel to and from the **Metro light rail/subway station(s)** that you used? **Please check all that apply.**

If you typically transferred to or from another Metro line or another mode of public transportation (like the bus), be sure to include how you got from one stop or station to

another. For example, some people transfer from the Metro to the bus by walking or bicycling from their Metro station to a bus stop.

| | |
|--|-------|
| Walking | 73.97 |
| Skateboard or kick scooter | 2.06 |
| Bicycle or bikeshare (non-electric) | 4.90 |
| Electric scooter, electric bike, or electric skateboard (Bird, Lime, etc.) | 4.12 |
| Motorcycle or moped | 0.52 |
| Ride-hailing service (Uber, Lyft, etc.) | 13.40 |
| Private car, carpool, van, truck, SUV - parked nearby | 29.38 |
| Private car, carpool, van, truck, SUV - dropped off | 14.43 |
| Taxi, limo, or hired car service | 0.26 |
| Public transportation (bus, light rail/subway, train, dial-a-ride, etc.) | 22.94 |
| Other. Please specify: | 1.03 |

Asked of respondents who selected “Metrolink train” in tr002.

tr015. In a typical month this past year, about how many days did you ride a **Metrolink train** to go to places in or around Los Angeles County?

| | |
|----------------------------|-------|
| Every day | 3.01 |
| Most days per week | 10.60 |
| A few days per week | 9.47 |
| One day per week | 7.99 |
| Less than one day per week | 68.94 |

Asked of respondents who selected “Metrolink train” in tr002.

tr016. Now, in that same typical month, what kinds of activities did you use a **Metrolink train** (solely or in combination with other forms of transportation, like a bus or walking) for? **Please check all that apply.**

| | |
|---|-------|
| Job or school related activities (e.g. attending a class, commuting to an office, worksite, or work-related meeting) | 38.89 |
| Personal or caretaking activities (e.g. grocery shopping, errands, medical care, taking child to school, taking a relative to an appointment) | 32.14 |
| Social or leisure activities (e.g. visiting family, seeing a movie, going out to dinner) | 57.74 |
| Transportation to or from the airport | 3.87 |
| Other. Please specify: | 5.03 |

Asked of respondents who selected “Metrolink train” in tr002.

tr017. During that typical month, how did you travel to and from the **Metrolink train station(s)** that you used? **Please check all that apply.**

If you typically transferred to or from another Metrolink line or another mode of public transportation (like the bus), be sure to include how you got from one stop or station to another. For example, some people transfer from the Metrolink train to the bus by walking or bicycling from their Metrolink station to a bus stop.

| | |
|--|-------|
| Walking | 58.68 |
| Skateboard or kick scooter | 4.13 |
| Bicycle or bikeshare (non-electric) | 2.48 |
| Electric scooter, electric bike, or electric skateboard (Bird, Lime, etc.) | 1.65 |
| Motorcycle or moped | 0 |
| Ride-hailing service (Uber, Lyft, etc.) | 14.88 |
| Private car, carpool, van, truck, SUV - parked nearby | 34.71 |
| Private car, carpool, van, truck, SUV - dropped off | 14.05 |
| Taxi, limo, or hired car service | 0.83 |
| Public transportation (bus, light rail/subway, train, dial-a-ride, etc.) | 33.06 |
| Other. Please specify: | 1.65 |

Asked of respondents who selected “Amtrak train” in tr002.

tr018. In a typical month this past year, about how many days did you ride an **Amtrak train** to go to places in or around Los Angeles County?

| | |
|----------------------------|-------|
| Every day | 0 |
| Most days per week | 2.07 |
| A few days per week | 15.89 |
| One day per week | 3.10 |
| Less than one day per week | 78.93 |

Asked of respondents who selected “Amtrak train” in tr002.

tr019. Now, in that same typical month, what kinds of activities did you use an **Amtrak train** (solely or in combination with forms of transportation, like a bus or walking) for? **Please check all that apply.**

| | |
|---|-------|
| Job or school related activities (e.g. attending a class, commuting to an office, worksite, or work-related meeting) | 13.66 |
| Personal or caretaking activities (e.g. grocery shopping, errands, medical care, taking child to school, taking a relative to an appointment) | 26.00 |
| Social or leisure activities (e.g. visiting family, seeing a movie, going out to dinner) | 80.06 |
| Transportation to or from the airport | 11.31 |
| Other. Please specify: | 0.99 |

Asked of respondents who selected “Amtrak train” in tr002.

tr020. During that typical month, how did you travel to and from the **Amtrak train station(s)** that you used? **Please check all that apply.**

If you typically transferred to or from another Amtrak line or another mode of public transportation (like the bus), be sure to include how you got from one stop or station to another. For example, some people transfer from the Amtrak train to the bus by walking or bicycling from their Amtrak station to a bus stop.

| | |
|--|-------|
| Walking | 35.90 |
| Skateboard or kick scooter | 2.56 |
| Bicycle or bikeshare (non-electric) | 0 |
| Electric scooter, electric bike, or electric skateboard (Bird, Lime, etc.) | 0 |
| Motorcycle or moped | 0 |
| Ride-hailing service (Uber, Lyft, etc.) | 38.46 |
| Private car, carpool, van, truck, SUV - parked nearby | 30.77 |
| Private car, carpool, van, truck, SUV - dropped off | 20.51 |
| Taxi, limo, or hired car service | 2.56 |
| Public transportation (bus, light rail/subway, train, dial-a-ride, etc.) | 17.95 |
| Other. Please specify: | 2.56 |

Asked of respondents who selected “Dial-A-Ride (paratransit) service” in tr002.

tr021. In a typical month this past year, about how many days did you use a **Dial-A-Ride (paratransit) service** to go to places in or around Los Angeles County?

| | |
|----------------------------|-------|
| Every day | 0 |
| Most days per week | 17.14 |
| A few days per week | 24.15 |
| One day per week | 14.13 |
| Less than one day per week | 44.58 |

Asked of respondents who selected “Dial-A-Ride (paratransit) service” in tr002.

tr022. Now, in that same typical month, what kinds of activities did you use a **Dial-A-Ride (paratransit) service** (solely or in combination with other forms of transportation, like a bus or train) for? **Please check all that apply.**

| | |
|---|-------|
| Job or school related activities (e.g. attending a class, commuting to an office, worksite, or work-related meeting) | 11.37 |
| Personal or caretaking activities (e.g. grocery shopping, errands, medical care, taking child to school, taking a relative to an appointment) | 97.03 |
| Social or leisure activities (e.g. visiting family, seeing a movie, going out to dinner) | 16.34 |

| | |
|---------------------------------------|-------|
| Transportation to or from the airport | 0 |
| Other. Please specify: | 27.91 |

Asked of respondents who selected “walk, skateboard, or kick scooter” in tr001.

tr023. In a typical month this past year, about how many days did you **walk, skateboard, or use a kick scooter** (solely or in combination with other forms of transportation, like a bus or train) to go to places in or around Los Angeles County?

| | |
|----------------------------|-------|
| Every day | 18.17 |
| Most days per week | 13.14 |
| A few days per week | 22.29 |
| One day per week | 15.58 |
| Less than one day per week | 30.82 |

Asked of respondents who selected “walk, skateboard, or kick scooter” in tr001.

tr024. Now, in that same typical month, what kinds of activities did you **walk, skateboard, or use a kick scooter** (solely or in combination with other forms of transportation, like a bus or train) for? **Please check all that apply.**

| | |
|---|-------|
| Job or school related activities (e.g. attending a class, commuting to an office, worksite, or work-related meeting) | 30.74 |
| Personal or caretaking activities (e.g. grocery shopping, errands, medical care, taking child to school, taking a relative to an appointment) | 66.93 |
| Social or leisure activities (e.g. visiting family, seeing a movie, going out to dinner) | 57.19 |
| Transportation to or from the airport | 3.52 |
| Other. Please specify: | 5.64 |

Asked of respondents who selected “bicycle/bikeshare (non-electric)” in tr001.

tr025. In a typical month this past year, about how many days did you use a **(non-electric) bicycle or bikeshare** to go to places in or around Los Angeles County?

| | |
|----------------------------|-------|
| Every day | 10.15 |
| Most days per week | 6.87 |
| A few days per week | 20.88 |
| One day per week | 16.42 |
| Less than one day per week | 45.68 |

Asked of respondents who selected “bicycle/bikeshare (non-electric)” in tr001.

tr026. Now, in that same typical month, what kinds of activities did you use a **(non-electric) bicycle or bikeshare** (solely or in combination with other forms of transportation, like a bus or train) for? **Please check all that apply.**

| | |
|---|-------|
| Job or school related activities (e.g. attending a class, commuting to an office, worksite, or work-related meeting) | 32.10 |
| Personal or caretaking activities (e.g. grocery shopping, errands, medical care, taking child to school, taking a relative to an appointment) | 47.78 |
| Social or leisure activities (e.g. visiting family, seeing a movie, going out to dinner) | 61.75 |
| Transportation to or from the airport | 8.03 |
| Other. Please specify: | 7.17 |

Asked of respondents who selected “electric scooter, electric bike, or electric skateboard” in tr001.

tr027. In a typical month this past year, about how many days did you use an **electric scooter, electric bike, or electric skateboard** to go to places in or around Los Angeles County?

| | |
|----------------------------|-------|
| Every day | 6.08 |
| Most days per week | 4.16 |
| A few days per week | 12.10 |
| One day per week | 11.17 |
| Less than one day per week | 66.48 |

Asked of respondents who selected “electric scooter, electric bike, or electric skateboard” in tr001.

tr028. Now, in that same typical month, what kinds of activities did you use an **electric scooter, electric bike, or electric skateboard** (solely or in combination with other forms of transportation, like a bus or train) for? **Please check all that apply.**

| | |
|---|-------|
| Job or school related activities (e.g. attending a class, commuting to an office, worksite, or work-related meeting) | 30.08 |
| Personal or caretaking activities (e.g. grocery shopping, errands, medical care, taking child to school, taking a relative to an appointment) | 42.41 |
| Social or leisure activities (e.g. visiting family, seeing a movie, going out to dinner) | 67.45 |
| Transportation to or from the airport | 4.85 |
| Other. Please specify: | 3.01 |

Asked of respondents who selected “motorcycle or moped” in tr001.

tr029. In a typical month this past year, about how many days did you use a **motorcycle or moped** to go to places in or around Los Angeles County?

| | |
|-----------|-------|
| Every day | 14.79 |
|-----------|-------|

| | |
|----------------------------|-------|
| Most days per week | 8.75 |
| A few days per week | 20.60 |
| One day per week | 4.89 |
| Less than one day per week | 50.97 |

Asked of respondents who selected “motorcycle or moped” in tr001.

tr030. Now, in that same typical month, what kinds of activities did you use a **motorcycle or moped** (solely or in combination with other forms of transportation, like a bus or train) for? **Please check all that apply.**

| | |
|---|-------|
| Job or school related activities (e.g. attending a class, commuting to an office, worksite, or work-related meeting) | 52.29 |
| Personal or caretaking activities (e.g. grocery shopping, errands, medical care, taking child to school, taking a relative to an appointment) | 30.12 |
| Social or leisure activities (e.g. visiting family, seeing a movie, going out to dinner) | 54.89 |
| Transportation to or from the airport | 16.44 |
| Other. Please specify: | 16.26 |

tr033. If you had to guess, about how many people in your social circle in Los Angeles County, including close friends, family, and/or colleagues, use public transportation (bus, train, subway, light rail, local shuttles) with some regularity (at least once a week)?

| | |
|---------------------------|-------|
| All of them | 3.15 |
| Most of them | 5.93 |
| Half of them | 8.36 |
| A few of them | 48.53 |
| None of them | 28.70 |
| Don't know/Not applicable | 5.34 |

tr034. Please rate the following aspect of driving a **private vehicle (car, van, truck, SUV)** in Los Angeles County. We are interested in how you feel about driving a private vehicle regardless of whether or not you do it regularly:

How **safe** are you from harassment or crime in a private vehicle?

| | |
|-------------------------|-------|
| Very unsafe | 2.65 |
| Unsafe | 2.56 |
| Somewhat unsafe | 8.74 |
| Neither unsafe nor safe | 11.56 |
| Somewhat safe | 21.36 |
| Safe | 35.66 |

| | |
|-----------|-------|
| Very safe | 17.46 |
|-----------|-------|

tr035. Please rate the following aspect of driving a **private vehicle (car, van, truck, SUV)** in Los Angeles County. We are interested in how you feel about driving a private vehicle regardless of whether or not you do it regularly:

How **convenient** - in terms of speed, ease of getting to where you are going, and parking – is it to use a private vehicle for **work or school related trips**?

| | |
|-------------------------------------|-------|
| Very inconvenient | 8.41 |
| Inconvenient | 5.19 |
| Somewhat inconvenient | 9.52 |
| Neither inconvenient nor convenient | 6.92 |
| Somewhat convenient | 14.87 |
| Convenient | 28.97 |
| Very convenient | 26.11 |

tr036. Please rate the following aspect of driving a **private vehicle (car, van, truck, SUV)** in Los Angeles County. We are interested in how you feel about driving a private vehicle regardless of whether or not you do it regularly:

How **convenient** - in terms of speed, ease of getting to where you are going, and parking – is it to use a private vehicle for **personal or leisure trips**?

| | |
|-------------------------------------|-------|
| Very inconvenient | 7.45 |
| Inconvenient | 4.04 |
| Somewhat inconvenient | 8.55 |
| Neither inconvenient nor convenient | 7.15 |
| Somewhat convenient | 18.02 |
| Convenient | 27.02 |
| Very convenient | 27.78 |

tr037. Please rate the following aspect of driving a **private vehicle (car, van, truck, SUV)** in Los Angeles County. We are interested in how you feel about driving a private vehicle regardless of whether or not you do it regularly:

| | |
|-----------------------------------|-------|
| Very expensive | 13.80 |
| Expensive | 28.44 |
| Somewhat expensive | 32.93 |
| Neither expensive nor inexpensive | 14.39 |
| Somewhat inexpensive | 5.77 |
| Inexpensive | 2.97 |
| Very inexpensive | 1.70 |

tr038. Please rate the following aspect of driving a **private vehicle (car, van, truck, SUV)** in Los Angeles County. We are interested in how you feel about driving a private vehicle regardless of whether or not you do it regularly:

| | |
|-----------------------------------|-------|
| Very unenjoyable | 8.75 |
| Unenjoyable | 2.90 |
| Somewhat unenjoyable | 7.88 |
| Neither unenjoyable nor enjoyable | 12.77 |
| Somewhat enjoyable | 18.70 |
| Enjoyable | 26.58 |
| Very enjoyable | 22.42 |

tr039. Please rate the following aspect of riding a **public bus** in Los Angeles County. We are interested in how you feel about riding a public bus regardless of whether or not you do it regularly:

How **safe** are you from harassment or crime while riding or waiting for the bus?

| | |
|-------------------------|-------|
| Very unsafe | 11.16 |
| Unsafe | 18.35 |
| Somewhat unsafe | 27.43 |
| Neither unsafe nor safe | 17.81 |
| Somewhat safe | 15.58 |
| Safe | 8.37 |
| Very safe | 1.29 |

tr040. Please rate the following aspect of riding a **public bus** in Los Angeles County. We are interested in how you feel about riding a public bus regardless of whether or not you do it regularly:

How **convenient** - in terms of speed, ease of getting to where you are going, and parking – is it to use the bus for **work or school related trips**?

| | |
|-------------------------------------|-------|
| Very inconvenient | 22.04 |
| Inconvenient | 19.52 |
| Somewhat inconvenient | 18.09 |
| Neither inconvenient nor convenient | 15.54 |
| Somewhat convenient | 14.51 |
| Convenient | 6.86 |
| Very convenient | 3.45 |

tr041. Please rate the following aspect of riding a **public bus** in Los Angeles County. We are interested in how you feel about riding a public bus regardless of whether or not you do it

regularly:

How **convenient** - in terms of speed, ease of getting to where you are going, and parking – is it to use the bus for **personal or leisure trips**?

| | |
|-------------------------------------|-------|
| Very inconvenient | 22.43 |
| Inconvenient | 21.02 |
| Somewhat inconvenient | 17.84 |
| Neither inconvenient nor convenient | 15.27 |
| Somewhat convenient | 12.22 |
| Convenient | 8.41 |
| Very convenient | 2.81 |

tr042. Please rate the following aspect of riding a **public bus** in Los Angeles County. We are interested in how you feel about riding a public bus regardless of whether or not you do it regularly:

How **expensive** is it to use the bus?

| | |
|-----------------------------------|-------|
| Very expensive | 1.48 |
| Expensive | 4.05 |
| Somewhat expensive | 11.73 |
| Neither expensive nor inexpensive | 22.72 |
| Somewhat inexpensive | 20.34 |
| Inexpensive | 25.46 |
| Very inexpensive | 14.22 |

tr043. Please rate the following aspect of riding a **public bus** in Los Angeles County. We are interested in how you feel about riding a public bus regardless of whether or not you do it regularly:

How **enjoyable** is it to use the bus?

| | |
|-----------------------------------|-------|
| Very unenjoyable | 15.81 |
| Unenjoyable | 23.57 |
| Somewhat unenjoyable | 16.99 |
| Neither unenjoyable nor enjoyable | 27.31 |
| Somewhat enjoyable | 12.40 |
| Enjoyable | 2.89 |
| Very enjoyable | 1.02 |

tr044. Please rate the following aspect of riding the **Metro light rail/subway** in Los Angeles County. We are interested in how you feel about riding the Metro regardless of whether or not

you do it regularly:

How **safe** are you from harassment or crime while riding or waiting for the Metro?

| | |
|-------------------------|-------|
| Very unsafe | 12.34 |
| Unsafe | 16.80 |
| Somewhat unsafe | 26.96 |
| Neither unsafe nor safe | 20.26 |
| Somewhat safe | 15.33 |
| Safe | 7.24 |
| Very safe | 1.07 |

tr045. Please rate the following aspect of riding the **Metro light rail/subway** in Los Angeles County. We are interested in how you feel about riding the Metro regardless of whether or not you do it regularly:

How **convenient** - in terms of speed, ease of getting to where you are going, and parking - is it to use the Metro for **work or school related trips**?

| | |
|-------------------------------------|-------|
| Very inconvenient | 15.85 |
| Inconvenient | 14.98 |
| Somewhat inconvenient | 16.26 |
| Neither inconvenient nor convenient | 18.67 |
| Somewhat convenient | 21.56 |
| Convenient | 10.07 |
| Very convenient | 2.61 |

tr046. Please rate the following aspect of riding the **Metro light rail/subway** in Los Angeles County. We are interested in how you feel about riding the Metro regardless of whether or not you do it regularly:

How **convenient** - in terms of speed, ease of getting to where you are going, and parking - is it to use the Metro for **personal or leisure trips**?

| | |
|-------------------------------------|-------|
| Very inconvenient | 13.75 |
| Inconvenient | 14.83 |
| Somewhat inconvenient | 16.45 |
| Neither inconvenient nor convenient | 17.61 |
| Somewhat convenient | 24.47 |
| Convenient | 9.78 |
| Very convenient | 3.10 |

tr047. Please rate the following aspect of riding the **Metro light rail/subway** in Los Angeles County. We are interested in how you feel about riding the Metro regardless of whether or not you do it regularly:

How **expensive** is it to use the Metro?

| | |
|-----------------------------------|-------|
| Very expensive | 2.58 |
| Expensive | 6.13 |
| Somewhat expensive | 15.38 |
| Neither expensive nor inexpensive | 24.58 |
| Somewhat inexpensive | 20.44 |
| Inexpensive | 22.41 |
| Very inexpensive | 8.48 |

tr048. Please rate the following aspect of riding the **Metro light rail/subway** in Los Angeles County. We are interested in how you feel about riding the Metro regardless of whether or not you do it regularly:

How **enjoyable** is it to use the Metro?

| | |
|-----------------------------------|-------|
| Very unenjoyable | 8.96 |
| Unenjoyable | 10.60 |
| Somewhat unenjoyable | 13.85 |
| Neither unenjoyable nor enjoyable | 34.12 |
| Somewhat enjoyable | 23.92 |
| Enjoyable | 6.81 |
| Very enjoyable | 1.73 |

tr049. Please rate the following aspect of using a **ride-hailing service (e.g. Uber, Lyft)** in Los Angeles County. We are interested in how you feel about using a ride-hailing service regardless of whether or not you do it regularly:

How **safe** are you from harassment or crime in a ride-hailing vehicle?

| | |
|-------------------------|-------|
| Very unsafe | 4.58 |
| Unsafe | 8.18 |
| Somewhat unsafe | 20.09 |
| Neither unsafe nor safe | 23.71 |
| Somewhat safe | 23.97 |
| Safe | 16.74 |
| Very safe | 2.72 |

tr050. Please rate the following aspect of using a **ride-hailing service (e.g. Uber, Lyft)** in Los Angeles County. We are interested in how you feel about using a ride-hailing service regardless of whether or not you do it regularly:

How **convenient** – in terms of speed, ease of getting to where you are going, and parking – is it to use a ride-hailing service for **work or school related trips**?

| | |
|-------------------------------------|-------|
| Very inconvenient | 5.02 |
| Inconvenient | 4.78 |
| Somewhat inconvenient | 9.93 |
| Neither inconvenient nor convenient | 19.38 |
| Somewhat convenient | 21.90 |
| Convenient | 27.14 |
| Very convenient | 11.85 |

tr051. Please rate the following aspect of using a **ride-hailing service (e.g. Uber, Lyft)** in Los Angeles County. We are interested in how you feel about using a ride-hailing service regardless of whether or not you do it regularly:

How **convenient** – in terms of speed, ease of getting to where you are going, and parking – is it to use a ride-hailing service for **personal or leisure trips**?

| | |
|-------------------------------------|-------|
| Very inconvenient | 4.90 |
| Inconvenient | 4.40 |
| Somewhat inconvenient | 7.91 |
| Neither inconvenient nor convenient | 16.62 |
| Somewhat convenient | 24.33 |
| Convenient | 26.99 |
| Very convenient | 14.85 |

tr052. Please rate the following aspect of using a **ride-hailing service (Uber, Lyft, etc.)** in Los Angeles County. We are interested in how you feel about using a ride-hailing service regardless of whether or not you do it regularly:

How **expensive** is it to use a ride-hailing service?

| | |
|-----------------------------------|-------|
| Very expensive | 12.15 |
| Expensive | 21.41 |
| Somewhat expensive | 34.36 |
| Neither expensive nor inexpensive | 19.18 |
| Somewhat inexpensive | 9.67 |
| Inexpensive | 1.93 |
| Very inexpensive | 1.30 |

tr053. Please rate the following aspect of using a **ride-hailing service (Uber, Lyft, etc.)** in Los Angeles County. We are interested in how you feel about using a ride-hailing service regardless of whether or not you do it regularly:

How **enjoyable** is it to use a ride-hailing service?

| | |
|-----------------------------------|-------|
| Very unenjoyable | 3.34 |
| Unenjoyable | 4.74 |
| Somewhat unenjoyable | 10.34 |
| Neither unenjoyable nor enjoyable | 39.69 |
| Somewhat enjoyable | 26.54 |
| Enjoyable | 13.11 |
| Very enjoyable | 2.25 |

tr054. About how far from your home is the nearest useful **bus stop**? By "useful," we mean that the bus stop is for a bus line that goes to places you need or want to go.

| | |
|---|-------|
| 5 minute walk (about 1/4 of a mile) | 54.23 |
| 10-15 minute walk (about a half mile to less than a mile) | 29.05 |
| 20-30 minute walk (about a mile to two miles) | 6.83 |
| Greater than 30 minute walk (more than 2 miles) | 2.65 |
| I don't know how far the nearest useful bus stop is | 7.24 |

tr055. About how far from your home is the nearest useful **Metro light rail/subway station**? By "useful," we mean that the Metro station is for a Metro line that goes to places you need or want to go.

| | |
|---|-------|
| 5 minute walk (about 1/4 of a mile) | 6.56 |
| 10-15 minute walk (about a half mile to less than a mile) | 18.21 |
| 20-30 minute walk (about a mile to two miles) | 20.93 |
| Greater than 30 minute walk (more than 2 miles) | 42.06 |
| I don't know how far the nearest useful Metro station is | 12.24 |

tr056. To the best of your knowledge, which of the following businesses/services are within about a 15-minute walk of your residence? **Please check all that apply.**

| | Yes | No | I don't know |
|---|-------|-------|--------------|
| Convenience store | 84.51 | 13.85 | 1.65 |
| Child care center | 29.79 | 30.95 | 39.26 |
| Senior center | 28.60 | 37.60 | 33.80 |
| Drug store (CVS, RiteAid, etc.) | 70.20 | 27.59 | 2.21 |
| Medical care (hospital, urgent care, dentist, etc.) | 42.42 | 50.10 | 7.48 |

| | | | |
|--|-------|-------|------|
| Grocery store | 76.67 | 21.79 | 1.55 |
| Boutique clothing store | 43.35 | 47.95 | 8.71 |
| Restaurants and cafes | 81.02 | 16.83 | 2.14 |
| Gym | 47.54 | 45.36 | 7.11 |
| Arts/entertainment venue (movie theater, live music venue, etc.) | 26.50 | 68.08 | 5.41 |
| Department store (Macy's, Nordstrom, Marshall's, etc.) | 23.41 | 74.23 | 2.36 |
| Big box store (Walmart, Target, etc.) | 30.16 | 66.86 | 2.98 |

tr057a. How difficult or easy is it for people to find **scooters** for rent in your neighborhood?

| | |
|----------------------------|-------|
| Difficult | 41.22 |
| Somewhat difficult | 11.88 |
| Neither difficult nor easy | 8.22 |
| Somewhat easy | 8.34 |
| Easy | 12.85 |
| Don't know | 17.50 |

tr058a. Would you like to see the number of **scooters** for rent in your neighborhood decrease, remain the same, or increase?

| | |
|-----------------------|-------|
| Decrease | 17.21 |
| Remain the same | 23.20 |
| Increase | 18.92 |
| No opinion/Don't know | 40.67 |

tr057b. How difficult or easy is it for people to find **bicycles** for rent in your neighborhood?

| | |
|----------------------------|-------|
| Difficult | 43.27 |
| Somewhat difficult | 13.25 |
| Neither difficult nor easy | 6.72 |
| Somewhat easy | 8.60 |
| Easy | 5.91 |
| Don't know | 22.25 |

tr058b. Would you like to see the number of **bicycles** for rent in your neighborhood decrease, remain the same, or increase?

| | |
|-----------------------|-------|
| Decrease | 9.20 |
| Remain the same | 25.65 |
| Increase | 26.91 |
| No opinion/Don't know | 38.24 |

tr059. What are your biggest concerns or issues with using the **bus system** in Los Angeles County? You may check up to five.

| | |
|--|-------|
| Lack of safety on the bus | 33.64 |
| Lack of safety while getting to or waiting for the bus | 35.65 |
| Collisions or accidents | 2.01 |
| No bus stops close to where I live or spend time | 11.98 |
| Transit time is too long | 45.77 |
| Service is not frequent enough | 25.32 |
| Service is not reliable enough | 16.14 |
| Too many transfers necessary | 26.97 |
| Cost is too high | 7.39 |
| Not enjoyable to ride | 22.31 |
| Lack of cleanliness | 36.51 |
| Difficulty understanding the bus system | 17.65 |
| Bus is too crowded | 32.35 |
| Uncomfortable with behavior of other bus riders | 45.27 |
| Physically unable to use the bus | 1.65 |
| Other. Please specify: | 3.80 |

tr060. What are your biggest concerns or issues with using the **Metro light rail/subway** in Los Angeles County? You may check up to five.

| | |
|--|-------|
| Lack of safety on the Metro | 29.77 |
| Lack of safety while getting to or waiting for the Metro | 28.62 |
| Collisions or accidents | 2.80 |
| No Metro stops close to where I live or spend time | 39.31 |
| Transit time is too long | 19.23 |
| Service is not frequent enough | 14.06 |
| Service is not reliable enough | 7.03 |
| Too many transfers necessary | 15.64 |
| Cost is too high | 11.05 |
| Not enjoyable to ride | 12.48 |
| Lack of cleanliness | 28.41 |
| Difficulty understanding the Metro system | 15.35 |
| Metro is too crowded | 21.31 |
| Uncomfortable with behavior of other Metro riders | 38.16 |
| Physically unable to use the Metro | 1.79 |
| Other. Please specify: | 5.88 |

tr060a-e. On average, how much money does your household typically spend on the following transportation costs per month?

| | Median |
|--|-----------|
| Car/auto payment(s) (loan or lease) | \$101-300 |
| Car/auto insurance | \$101-300 |
| Gas | \$101-300 |
| Parking | \$0 |
| Public transit (tickets for bus, light rail/subway, train, etc.) | \$0 |

tr061. How many private vehicles (cars, vans, trucks, or SUVs) in working condition does your household currently own or lease?

| | |
|---------|---|
| Median: | 2 |
|---------|---|

Asked of respondents who selected "0" in tr061.

tr062. Why doesn't your household currently own or lease a car, van, truck, or SUV in working condition? **Please check all that apply.**

| | |
|---|-------|
| Too expensive | 60.08 |
| Vehicle(s) need(s) repairs | 16.36 |
| Don't have a valid driver's license | 18.18 |
| Prefer to use other modes of transportation | 29.09 |
| Lack of available parking | 21.82 |
| Ethical/environmental concerns | 10.91 |
| Other. Please specify | 7.27 |

tr063. In the last year, did you use a household vehicle (car, van, truck, SUV) to transport people or goods for pay? Examples include driving a household vehicle for Uber or Lyft or driving a household vehicle to make deliveries for companies like Instacart or Postmates.

| | |
|-----|-------|
| Yes | 11.46 |
| No | 88.54 |

tr064. How likely is it that your household will purchase or lease a new or used car, van, truck, or SUV in the next twelve months?

| | |
|-----------------------------|-------|
| Very unlikely | 41.06 |
| Unlikely | 16.45 |
| Somewhat unlikely | 7.34 |
| Neither likely nor unlikely | 9.93 |
| Somewhat likely | 12.79 |
| Likely | 4.87 |
| Very likely | 7.55 |

tr065. Please rate how difficult or easy it usually is to find street parking in your neighborhood:

| | |
|-------------------------------|-------|
| Difficult | 19.81 |
| Somewhat difficult | 19.01 |
| Neither difficult nor easy | 10.53 |
| Somewhat easy | 16.19 |
| Easy | 32.06 |
| I don't know / not applicable | 2.40 |

tr066. At your primary residence, how many parking spaces, if any, are included as part of your rent, lease, or mortgage? That is, you do not pay an additional fee beyond what may be included in your rent or mortgage payment.

If you have your own driveway, count the number of cars you can comfortably park in your driveway as the number of driveway parking spaces available to you.

Please select zero if you have none.

| | Median |
|--|--------|
| Number of garage, carport, lot, or driveway parking spaces included with primary residence | 2 |
| Number of on-street parking permits | 0 |

tr067. In the last year, have you **intentionally reduced or increased your use** of any of the following transportation modes to go to places in or around Los Angeles County?

| | No/not applicable | Yes, reduced use | Yes, increased use |
|--|-------------------|------------------|--------------------|
| Walking | 43.17 | 17.03 | 39.80 |
| Skateboard or kick scooter | 92.37 | 3.96 | 3.67 |
| Bicycle or bikeshare (non-electric) | 85.08 | 6.66 | 8.26 |
| Electric scooter, electric bike, or electric skateboard (Bird, Lime, etc.) | 91.14 | 3.90 | 4.96 |
| Motorcycle or moped | 94.69 | 3.28 | 2.03 |
| Private car, van, carpool, truck, SUV | 35.91 | 26.99 | 37.10 |
| Ride-hailing service (Uber, Lyft, etc.) | 56.54 | 21.08 | 22.38 |
| Taxi, limo, or hired car service | 90.23 | 7.69 | 2.08 |
| Metro light rail/subway | 72.06 | 14.97 | 12.97 |
| Public bus | 70.38 | 15.26 | 14.36 |
| Metrolink or Amtrak train | 85.14 | 9.33 | 5.53 |

| | | | |
|---------------------------|-------|------|------|
| Dial-A-Ride (paratransit) | 94.54 | 3.04 | 2.42 |
|---------------------------|-------|------|------|

tr068a. In the last year, for each of the following types of activities in Los Angeles County, please indicate how often, if ever, you missed attending or doing the activity **specifically because you did not have access to affordable transportation.**

Work or school related activities (if employed or student)

| | |
|----------------|-------|
| Never | 63.27 |
| Rarely | 10.04 |
| Sometimes | 6.56 |
| Often | 2.41 |
| Very often | 2.31 |
| Not applicable | 15.41 |

tr068b. In the last year, for each of the following types of activities in Los Angeles County, please indicate how often, if ever, you missed attending or doing the activity **specifically because you did not have access to affordable transportation.**

Personal or family medical care (doctor’s appointment, urgent care, etc.)

| | |
|----------------|-------|
| Never | 70.06 |
| Rarely | 9.84 |
| Sometimes | 7.47 |
| Often | 2.92 |
| Very often | 2.92 |
| Not applicable | 6.79 |

tr068c. In the last year, for each of the following types of activities in Los Angeles County, please indicate how often, if ever, you missed attending or doing the activity **specifically because you did not have access to affordable transportation.**

Social or leisure activities (going to a movie, visiting friends, etc.)

| | |
|----------------|-------|
| Never | 65.00 |
| Rarely | 11.07 |
| Sometimes | 10.60 |
| Often | 3.93 |
| Very often | 3.41 |
| Not applicable | 5.98 |

tr068d. In the last year, for each of the following types of activities in Los Angeles County, please indicate how often, if ever, you missed attending or doing the activity **specifically because you did not have access to affordable transportation.**

Shopping trips or errands (grocery shopping, etc.)

| | |
|----------------|-------|
| Never | 67.39 |
| Rarely | 11.92 |
| Sometimes | 9.80 |
| Often | 2.78 |
| Very often | 2.95 |
| Not applicable | 5.16 |

tr069a. In the last year, for each of the following types of activities in Los Angeles County, please indicate how often, if ever, you missed attending or doing the activity **specifically because the travel times were too long** (e.g. because of bad traffic or slow public transportation service).

Work or school related activities (if employed or student)

| | |
|----------------|-------|
| Never | 59.44 |
| Rarely | 10.13 |
| Sometimes | 9.38 |
| Often | 3.35 |
| Very often | 2.62 |
| Not applicable | 15.08 |

tr069b. In the last year, for each of the following types of activities in Los Angeles County, please indicate how often, if ever, you missed attending or doing the activity **specifically because the travel times were too long** (e.g. because of bad traffic or slow public transportation service).

Personal or family medical care (doctor’s appointment, urgent care, etc.)

| | |
|----------------|-------|
| Never | 66.34 |
| Rarely | 11.78 |
| Sometimes | 9.56 |
| Often | 2.84 |
| Very often | 3.01 |
| Not applicable | 6.48 |

tr069c. In the last year, for each of the following types of activities in Los Angeles County, please indicate how often, if ever, you missed attending or doing the activity **specifically**

because the travel times were too long (e.g. because of bad traffic or slow public transportation service).

Social or leisure activities (going to a movie, visiting friends, etc.)

| | |
|----------------|-------|
| Never | 48.54 |
| Rarely | 17.17 |
| Sometimes | 19.42 |
| Often | 5.11 |
| Very often | 4.45 |
| Not applicable | 5.31 |

tr069d. In the last year, for each of the following types of activities in Los Angeles County, please indicate how often, if ever, you missed attending or doing the activity **specifically because the travel times were too long** (e.g. because of bad traffic or slow public transportation service).

Shopping trips or errands (grocery shopping, etc.)

| | |
|----------------|-------|
| Never | 58.04 |
| Rarely | 14.98 |
| Sometimes | 13.17 |
| Often | 5.05 |
| Very often | 3.47 |
| Not applicable | 5.28 |

tr070. In the last year (since November 2018), were you ever involved in a traffic collision or transportation-related accident while you were traveling (or walking) in or around Los Angeles County?

| | |
|-----|-------|
| Yes | 14.93 |
| No | 85.07 |

Asked of respondents who selected “yes” in tr070.

tr071. Which mode of transportation were **you using** when you were involved in a **traffic collision or transportation-related accident** while traveling (or walking) in or around LA County? **If more than one, please check all that apply.**

| | |
|--|------|
| Walking | 6.81 |
| Skateboard or kick scooter | 1.05 |
| Bicycle or bikeshare (non-electric) | 3.14 |
| Electric scooter, electric bike, or electric skateboard (Bird, Lime, etc.) | 2.09 |
| Motorcycle or moped | 0 |

| | |
|---|-------|
| Private car, van, carpool, truck, SUV | 86.39 |
| Ride-hailing service (Uber, Lyft, etc.) | 5.24 |
| Taxi, limo, or hired car service | 1.05 |
| Metro light rail/subway | 1.57 |
| Public bus | 3.66 |
| Metrolink or Amtrak train | 0.52 |
| Dial-A-Ride (paratransit) | 0 |
| Other. Please specify: | 2.09 |

tr072. In the last year (since November 2018), did you ever experience **sexual harassment or sexual assault** (for example, sexual comments or gestures, indecent exposure, unwanted touching or an attack of a sexual nature) while you were traveling (or walking) in or around Los Angeles County?

| | |
|-----|-------|
| Yes | 10.18 |
| No | 89.82 |

Asked of respondents who selected “yes” in tr072.

tr073. Which mode of transportation were you using when you experienced **sexual harassment or sexual assault** while traveling in or around LA County? **If more than one, please check all that apply.**

| | |
|--|-------|
| Walking | 73.60 |
| Skateboard or kick scooter | 2.25 |
| Bicycle or bikeshare (non-electric) | 2.25 |
| Electric scooter, electric bike, or electric skateboard (Bird, Lime, etc.) | 0.56 |
| Motorcycle or moped | 0.56 |
| Private car, van, carpool, truck, SUV | 17.98 |
| Ride-hailing service (Uber, Lyft, etc.) | 8.43 |
| Taxi, limo, or hired car service | 0 |
| Metro light rail/subway | 26.97 |
| Public bus | 31.46 |
| Metrolink or Amtrak train | 2.81 |
| Dial-A-Ride (paratransit) | 0 |
| Other. Please specify: | 0 |

tr074. In the last year (since November 2018), did you ever experience **non-sexual harassment, assault, or robbery** while you were traveling (or walking) in or around Los Angeles County?

| | |
|-----|-------|
| Yes | 7.06 |
| No | 92.94 |

Asked of respondents who selected “yes” in tr074.

tr075. Which mode of transportation were you using when you experienced **non-sexual harassment, assault, or robbery** while traveling in or around LA County? **If more than one, please check all that apply.**

| | |
|--|-------|
| Walking | 55.45 |
| Skateboard or kick scooter | 0 |
| Bicycle or bikeshare (non-electric) | 6.93 |
| Electric scooter, electric bike, or electric skateboard (Bird, Lime, etc.) | 0 |
| Motorcycle or moped | 0 |
| Private car, van, carpool, truck, SUV | 29.70 |
| Ride-hailing service (Uber, Lyft, etc.) | 0 |
| Taxi, limo, or hired car service | 0 |
| Metro light rail/subway | 15.84 |
| Public bus | 22.77 |
| Metrolink or Amtrak train | 1.98 |
| Dial-A-Ride (paratransit) | 0.99 |
| Other. Please specify: | 0.99 |