

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
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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
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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
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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
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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