

# LABarometer

## TOPLINE RESULTS – WAVE 2 – MOBILITY SURVEY

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Release Date: July 30, 2021. Field dates: March 2 – April 30, 2021

Sample: 1,281 Los Angeles County residents (75% response rate)

Margin of Sampling Error<sup>1</sup>: 2.7 percentage points

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Full survey codebook and data are at <https://uasdata.usc.edu/survey/UAS+379>. 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	93.71
Ride-hailing service (Uber, Lyft, etc.) - as passenger	17.85
Taxi, limo, hired car service - as passenger	2.49
Public transportation (i.e. bus, light rail/subway, train, dial-a-ride, etc.) - as passenger	12.50
Walk, skateboard, or kick scooter	28.48
Bicycle or bikeshare (non-electric)	7.86
Electric scooter, electric bike, or electric skateboard (Bird, Lime, etc.)	2.29
Motorcycle or moped - as driver or passenger	1.32
Other (shuttle, commercial vehicle, boat, etc.). Please specify:	1.19

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<sup>1</sup> 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 (n = 156).

**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	87.32
Metro light rail/subway (Metro Red, Green, Gold, Purple, A (Blue), and E (Expo) Lines)	60.84
Metrolink train	12.45
Amtrak train	5.38
Dial-A-Ride (paratransit)	7.07
Other. Please specify:	2.56

*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 (n = 1,199).

**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	25.90
Most days per week	19.14
A few days per week	23.65
One day per week	7.27
Less than one day per week	24.03

Asked of respondents who selected “private vehicle” in tr001 (n = 1,199).

**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)	50.97
Personal or caretaking activities (e.g. grocery shopping, errands, medical care, taking child to school, taking a relative to an appointment)	83.79
Social or leisure activities (e.g. visiting family, seeing a movie, going out to dinner)	48.33

Transportation to or from the airport	5.35
Other. Please specify:	2.67

Asked of respondents who selected “ride-hailing service” in tr001 (n = 256).

**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	0.42
Most days per week	1.73
A few days per week	11.75
One day per week	7.28
Less than one day per week	78.83

Asked of respondents who selected “ride-hailing service” in tr001 (n = 256).

**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)	24.78
Personal or caretaking activities (e.g. grocery shopping, errands, medical care, taking child to school, taking a relative to an appointment)	42.67
Social or leisure activities (e.g. visiting family, seeing a movie, going out to dinner)	38.67
Transportation to or from the airport	26.74
Other. Please specify:	5.34

Asked of respondents who selected “taxi, limo, or hired car service” in tr001 (n = 31).

**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	8.83
Most days per week	0
A few days per week	1.40
One day per week	7.55
Less than one day per week	82.21

Asked of respondents who selected “taxi, limo, or hired car service” in tr001 (n = 31).

**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)	15.46
Personal or caretaking activities (e.g. grocery shopping, errands, medical care, taking child to school, taking a relative to an appointment)	32.36
Social or leisure activities (e.g. visiting family, seeing a movie, going out to dinner)	16.45
Transportation to or from the airport	35.43
Other. Please specify:	10.34

Asked of respondents who selected “bus” in tr002 (n = 129).

**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	12.77
Most days per week	17.02
A few days per week	16.26
One day per week	10.99
Less than one day per week	42.95

Asked of respondents who selected “bus” in tr002 (n = 129).

**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)	41.88
Personal or caretaking activities (e.g. grocery shopping, errands, medical care, taking child to school, taking a relative to an appointment)	57.50
Social or leisure activities (e.g. visiting family, seeing a movie, going out to dinner)	22.15
Transportation to or from the airport	0.95
Other. Please specify:	13.34

Asked of respondents who selected “bus” in tr002 (n = 129).

**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	94.15
Skateboard or kick scooter	2.08
Bicycle or bikeshare (non-electric)	5.35
Electric scooter, electric bike, or electric skateboard (Bird, Lime, etc.)	1.91
Motorcycle or moped	0.22
Ride-hailing service (Uber, Lyft, etc.)	5.22
Private car, carpool, van, truck, SUV - parked nearby	5.82
Private car, carpool, van, truck, SUV - dropped off	3.91
Taxi, limo, or hired car service	0.11
Public transportation (bus, light rail/subway, train, dial-a-ride, etc.)	14.65
Other. Please specify:	0

Asked of respondents who selected “Metro light rail/subway” in tr002 (n = 102).

**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	10.72
Most days per week	12.68
A few days per week	6.30
One day per week	15.72
Less than one day per week	54.57

Asked of respondents who selected “Metro light rail/subway” in tr002 (n = 102).

**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)	31.51
Personal or caretaking activities (e.g. grocery shopping, errands, medical care, taking child to school, taking a relative to an appointment)	51.56
Social or leisure activities (e.g. visiting family, seeing a movie, going out to dinner)	35.64
Transportation to or from the airport	15.17
Other. Please specify:	5.28

Asked of respondents who selected “Metro light rail/subway” in tr002 (n = 102).

**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	79.45
Skateboard or kick scooter	1.40
Bicycle or bikeshare (non-electric)	7.71
Electric scooter, electric bike, or electric skateboard (Bird, Lime, etc.)	2.60
Motorcycle or moped	1.09
Ride-hailing service (Uber, Lyft, etc.)	9.75
Private car, carpool, van, truck, SUV - parked nearby	12.69
Private car, carpool, van, truck, SUV - dropped off	10.64
Taxi, limo, or hired car service	0.60
Public transportation (bus, light rail/subway, train, dial-a-ride, etc.)	24.41
Other. Please specify:	3.24

Asked of respondents who selected “Metrolink train” in tr002 (n = 32).

**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	0.76
Most days per week	13.40
A few days per week	14.08
One day per week	15.82
Less than one day per week	55.94

Asked of respondents who selected “Metrolink train” in tr002 (n = 32).

**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)	23.16
Personal or caretaking activities (e.g. grocery shopping, errands, medical care, taking child to school, taking a relative to an appointment)	41.92
Social or leisure activities (e.g. visiting family, seeing a movie, going out to dinner)	41.47
Transportation to or from the airport	2.19
Other. Please specify:	28.42

Asked of respondents who selected “Metrolink train” in tr002 (n = 32).

**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	65.46
Skateboard or kick scooter	1.20
Bicycle or bikeshare (non-electric)	6.75
Electric scooter, electric bike, or electric skateboard (Bird, Lime, etc.)	6.93
Motorcycle or moped	5.31
Ride-hailing service (Uber, Lyft, etc.)	10.12
Private car, carpool, van, truck, SUV - parked nearby	14.48
Private car, carpool, van, truck, SUV - dropped off	14.65
Taxi, limo, or hired car service	0.76
Public transportation (bus, light rail/subway, train, dial-a-ride, etc.)	31.48
Other. Please specify:	10.67

Asked of respondents who selected “Amtrak train” in tr002 (n = 15).

**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	1.76
Most days per week	31.55
A few days per week	1.76
One day per week	8.78
Less than one day per week	56.14

Asked of respondents who selected “Amtrak train” in tr002 (n = 15).

**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)	15.22
Personal or caretaking activities (e.g. grocery shopping, errands, medical care, taking child to school, taking a relative to an appointment)	59.41
Social or leisure activities (e.g. visiting family, seeing a movie, going out to dinner)	44.12
Transportation to or from the airport	5.05
Other. Please specify:	0

Asked of respondents who selected “Amtrak train” in tr002 (n = 15).

**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	37.39
Skateboard or kick scooter	2.78
Bicycle or bikeshare (non-electric)	1.76
Electric scooter, electric bike, or electric skateboard (Bird, Lime, etc.)	35.08
Motorcycle or moped	3.53
Ride-hailing service (Uber, Lyft, etc.)	29.00
Private car, carpool, van, truck, SUV - parked nearby	9.23
Private car, carpool, van, truck, SUV - dropped off	39.17
Taxi, limo, or hired car service	1.76
Public transportation (bus, light rail/subway, train, dial-a-ride, etc.)	34.51
Other. Please specify:	0

Asked of respondents who selected “Dial-A-Ride (paratransit) service” in tr002 (n = 10).

**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	23.54
Most days per week	24.04
A few days per week	3.85
One day per week	13.67
Less than one day per week	34.90

Asked of respondents who selected “Dial-A-Ride (paratransit) service” in tr002 (n = 10).

**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)	24.31
Personal or caretaking activities (e.g. grocery shopping, errands, medical care, taking child to school, taking a relative to an appointment)	90.60
Social or leisure activities (e.g. visiting family, seeing a movie, going out to dinner)	10.18



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

Asked of respondents who selected “walk, skateboard, or kick scooter” in tr001 (n = 412).

**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	12.96
Most days per week	15.18
A few days per week	34.87
One day per week	9.62
Less than one day per week	27.37

Asked of respondents who selected “walk, skateboard, or kick scooter” in tr001 (n = 412).

**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)	12.96
Personal or caretaking activities (e.g. grocery shopping, errands, medical care, taking child to school, taking a relative to an appointment)	65.19
Social or leisure activities (e.g. visiting family, seeing a movie, going out to dinner)	49.62
Transportation to or from the airport	2.39
Other. Please specify:	11.46

Asked of respondents who selected “bicycle/bikeshare (non-electric)” in tr001 (n = 122).

**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	2.96
Most days per week	5.56
A few days per week	24.48
One day per week	21.48
Less than one day per week	45.52

Asked of respondents who selected “bicycle/bikeshare (non-electric)” in tr001 (n = 122).

**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)	11.89
Personal or caretaking activities (e.g. grocery shopping, errands, medical care, taking child to school, taking a relative to an appointment)	44.81
Social or leisure activities (e.g. visiting family, seeing a movie, going out to dinner)	63.70
Transportation to or from the airport	0
Other. Please specify:	13.13

Asked of respondents who selected “electric scooter, electric bike, or electric skateboard” in tr001 (n = 30).

**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	7.19
Most days per week	6.99
A few days per week	15.32
One day per week	3.94
Less than one day per week	66.56

Asked of respondents who selected “electric scooter, electric bike, or electric skateboard” in tr001 (n =30).

**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)	17.62
Personal or caretaking activities (e.g. grocery shopping, errands, medical care, taking child to school, taking a relative to an appointment)	45.82
Social or leisure activities (e.g. visiting family, seeing a movie, going out to dinner)	62.57
Transportation to or from the airport	0
Other. Please specify:	0.27

Asked of respondents who selected “motorcycle or moped” in tr001 (n = 19).

**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	21.20
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Most days per week	0
A few days per week	0.90
One day per week	21.26
Less than one day per week	56.65

Asked of respondents who selected “motorcycle or moped” in tr001 (n = 19).

**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)	18.15
Personal or caretaking activities (e.g. grocery shopping, errands, medical care, taking child to school, taking a relative to an appointment)	44.94
Social or leisure activities (e.g. visiting family, seeing a movie, going out to dinner)	50.72
Transportation to or from the airport	0
Other. Please specify:	4.84

**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	2.16
Most of them	2.33
Half of them	6.51
A few of them	42.99
None of them	38.98
Don't know/Not applicable	7.03

**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	2.07
Unsafe	2.58
Somewhat unsafe	8.00
Neither unsafe nor safe	10.38
Somewhat safe	23.40
Safe	33.78

Very safe	19.80
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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	4.32
Inconvenient	3.19
Somewhat inconvenient	7.00
Neither inconvenient nor convenient	8.09
Somewhat convenient	14.66
Convenient	31.13
Very convenient	31.61

**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	3.80
Inconvenient	2.84
Somewhat inconvenient	6.97
Neither inconvenient nor convenient	7.65
Somewhat convenient	15.30
Convenient	30.27
Very convenient	33.17

**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	8.63
Expensive	23.49
Somewhat expensive	38.65
Neither expensive nor inexpensive	17.51
Somewhat inexpensive	7.18
Inexpensive	2.44
Very inexpensive	2.11

**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	5.42
Unenjoyable	2.12
Somewhat unenjoyable	4.41
Neither unenjoyable nor enjoyable	11.64
Somewhat enjoyable	17.39
Enjoyable	30.79
Very enjoyable	28.24

**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	12.50
Unsafe	18.53
Somewhat unsafe	33.70
Neither unsafe nor safe	17.60
Somewhat safe	11.95
Safe	4.39
Very safe	1.33

**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	19.07
Inconvenient	22.46
Somewhat inconvenient	20.36
Neither inconvenient nor convenient	15.41
Somewhat convenient	14.09
Convenient	6.06
Very convenient	2.54

**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	22.60
Inconvenient	21.54
Somewhat inconvenient	18.75
Neither inconvenient nor convenient	15.97
Somewhat convenient	12.55
Convenient	6.68
Very convenient	1.92

**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	0.95
Expensive	4.05
Somewhat expensive	10.31
Neither expensive nor inexpensive	23.20
Somewhat inexpensive	20.42
Inexpensive	16.02
Very inexpensive	15.06

**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	16.84
Unenjoyable	22.39
Somewhat unenjoyable	16.87
Neither unenjoyable nor enjoyable	26.28
Somewhat enjoyable	12.94
Enjoyable	3.72
Very enjoyable	0.96

**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	12.80
Unsafe	19.30
Somewhat unsafe	28.55
Neither unsafe nor safe	22.46
Somewhat safe	12.57
Safe	3.34
Very safe	0.98

**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**?

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Very inconvenient	14.76
Inconvenient	19.28
Somewhat inconvenient	17.98
Neither inconvenient nor convenient	19.22
Somewhat convenient	17.86
Convenient	8.07
Very convenient	2.83

**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	14.24
Inconvenient	17.35
Somewhat inconvenient	18.21
Neither inconvenient nor convenient	18.43
Somewhat convenient	19.11
Convenient	10.54
Very convenient	2.11

**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	1.37
Expensive	5.98
Somewhat expensive	14.74
Neither expensive nor inexpensive	25.76
Somewhat inexpensive	20.44
Inexpensive	21.98
Very inexpensive	9.73

**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	10.75
Unenjoyable	11.46
Somewhat unenjoyable	14.67
Neither unenjoyable nor enjoyable	32.23
Somewhat enjoyable	21.28
Enjoyable	6.78
Very enjoyable	2.83

**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	4.89
Unsafe	9.14
Somewhat unsafe	22.26
Neither unsafe nor safe	22.40
Somewhat safe	24.77
Safe	13.76
Very safe	2.78



**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	3.91
Inconvenient	5.95
Somewhat inconvenient	10.72
Neither inconvenient nor convenient	19.53
Somewhat convenient	25.46
Convenient	24.88
Very convenient	9.56

**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	2.40
Inconvenient	6.92
Somewhat inconvenient	9.28
Neither inconvenient nor convenient	20.33
Somewhat convenient	25.55
Convenient	24.46
Very convenient	11.06

**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	13.58
Expensive	21.61
Somewhat expensive	32.10
Neither expensive nor inexpensive	20.85
Somewhat inexpensive	8.23
Inexpensive	2.59
Very inexpensive	1.04

**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	2.07
Unenjoyable	4.41
Somewhat unenjoyable	10.90
Neither unenjoyable nor enjoyable	43.52
Somewhat enjoyable	25.28
Enjoyable	11.26
Very enjoyable	2.55

**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)	55.76
10-15 minute walk (about a half mile to less than a mile)	28.17
20-30 minute walk (about a mile to two miles)	5.82
Greater than 30 minute walk (more than 2 miles)	2.06
I don't know how far the nearest useful bus stop is	8.19

**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)	8.23
10-15 minute walk (about a half mile to less than a mile)	17.20
20-30 minute walk (about a mile to two miles)	23.86
Greater than 30 minute walk (more than 2 miles)	33.74
I don't know how far the nearest useful Metro station is	16.97

**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	84.46	12.69	2.84
Child care center	27.72	36.55	35.73
Senior center	27.85	43.11	29.04
Drug store (CVS, RiteAid, etc.)	65.09	32.20	2.71
Medical care (hospital, urgent care, dentist, etc.)	41.78	50.67	7.55

Grocery store	72.98	24.64	2.38
Boutique clothing store	37.56	52.19	10.25
Restaurants and cafes	78.74	17.90	3.36
Gym	35.70	55.60	8.71
Arts/entertainment venue (movie theater, live music venue, etc.)	20.38	73.36	6.26
Department store (Macy's, Nordstrom, Marshalls, etc.)	18.12	78.97	2.91
Big box store (Walmart, Target, etc.)	27.65	69.69	2.67

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

Difficult	44.27
Somewhat difficult	10.67
Neither difficult nor easy	8.63
Somewhat easy	7.41
Easy	5.94
Don't know	23.08

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

Decrease	15.72
Remain the same	22.70
Increase	16.66
No opinion/Don't know	44.93

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

Difficult	44.24
Somewhat difficult	11.85
Neither difficult nor easy	8.41
Somewhat easy	6.10
Easy	3.81
Don't know	25.59

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

Decrease	8.92
Remain the same	21.29
Increase	27.09
No opinion/Don't know	42.71

**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	35.63
Lack of safety while getting to or waiting for the bus	36.94
Collisions or accidents	2.44
No bus stops close to where I live or spend time	9.17
Transit time is too long	42.42
Service is not frequent enough	22.72
Service is not reliable enough	13.95
Too many transfers necessary	22.54
Cost is too high	5.74
Not enjoyable to ride	23.81
Lack of cleanliness	41.67
Difficulty understanding the bus system	16.63
Bus is too crowded	32.38
Uncomfortable with behavior of other bus riders	46.62
Physically unable to use the bus	1.69
Other. Please specify:	5.09

**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	32.71
Lack of safety while getting to or waiting for the Metro	30.02
Collisions or accidents	2.53
No Metro stops close to where I live or spend time	36.21
Transit time is too long	16.47
Service is not frequent enough	11.63
Service is not reliable enough	7.19
Too many transfers necessary	14.05
Cost is too high	10.43
Not enjoyable to ride	11.87
Lack of cleanliness	32.16
Difficulty understanding the Metro system	15.62
Metro is too crowded	23.46
Uncomfortable with behavior of other Metro riders	39.42
Physically unable to use the Metro	1.68
Other. Please specify:	6.33

**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)	\$51-60
Car/auto insurance	\$101-300
Gas	\$51-100
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 (n = 64).

**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	65.41
Vehicle(s) need(s) repairs	6.85
Don't have a valid driver's license	26.31
Prefer to use other modes of transportation	21.07
Lack of available parking	7.35
Ethical/environmental concerns	5.83
Other. Please specify	16.45

**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	8.89
No	91.11

**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	40.07
Unlikely	17.69
Somewhat unlikely	7.46
Neither likely nor unlikely	10.69
Somewhat likely	11.70
Likely	5.65
Very likely	6.74

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

Difficult	21.15
Somewhat difficult	18.84
Neither difficult nor easy	12.77
Somewhat easy	14.20
Easy	28.94
I don't know / not applicable	4.09

**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	41.93	24.28	33.79
Skateboard or kick scooter	91.68	5.51	2.81
Bicycle or bikeshare (non-electric)	84.93	7.81	7.26
Electric scooter, electric bike, or electric skateboard (Bird, Lime, etc.)	92.80	4.67	2.53
Motorcycle or moped	94.52	3.91	1.57
Private car, van, carpool, truck, SUV	22.33	50.12	27.54
Ride-hailing service (Uber, Lyft, etc.)	62.62	30.30	7.07
Taxi, limo, or hired car service	88.65	9.79	1.56
Metro light rail/subway	76.70	19.05	4.25
Public bus	75.99	18.56	5.46
Metrolink or Amtrak train	87.12	11.60	1.28

Dial-A-Ride (paratransit)	92.74	6.19	1.07
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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	67.15
Rarely	8.27
Sometimes	6.30
Often	1.85
Very often	1.64
Not applicable	14.79

**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	72.07
Rarely	9.42
Sometimes	6.14
Often	2.67
Very often	2.21
Not applicable	7.49

**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	66.24
Rarely	10.49
Sometimes	8.36
Often	3.58
Very often	2.37
Not applicable	8.96

**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	68.12
Rarely	9.44
Sometimes	8.10
Often	5.05
Very often	2.91
Not applicable	6.38

**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	62.11
Rarely	9.52
Sometimes	8.28
Often	1.41
Very often	2.62
Not applicable	16.06

**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	68.45
Rarely	11.18
Sometimes	8.60
Often	2.36
Very often	2.26
Not applicable	7.15

**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	59.15
Rarely	14.42
Sometimes	11.76
Often	2.65
Very often	2.36
Not applicable	9.66

**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	65.74
Rarely	11.16
Sometimes	10.33
Often	3.89
Very often	2.23
Not applicable	6.64

**tr070.** In the last year (since March 2020), 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	6.17
No	93.83

*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	14.06
Skateboard or kick scooter	4.77
Bicycle or bikeshare (non-electric)	0.94
Electric scooter, electric bike, or electric skateboard (Bird, Lime, etc.)	1.11
Motorcycle or moped	0

Private car, van, carpool, truck, SUV	83.29
Ride-hailing service (Uber, Lyft, etc.)	0
Taxi, limo, or hired car service	0
Metro light rail/subway	1.11
Public bus	2.41
Metrolink or Amtrak train	0
Dial-A-Ride (paratransit)	.69
Other. Please specify:	.94

**tr072.** In the last year (since March 2020), 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	5.35
No	94.65

*Asked of respondents who selected “yes” in tr072 (n = 78).*

**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	80.28
Skateboard or kick scooter	3.66
Bicycle or bikeshare (non-electric)	5.42
Electric scooter, electric bike, or electric skateboard (Bird, Lime, etc.)	1.23
Motorcycle or moped	3.79
Private car, van, carpool, truck, SUV	11.25
Ride-hailing service (Uber, Lyft, etc.)	6.48
Taxi, limo, or hired car service	0
Metro light rail/subway	11.40
Public bus	30.73
Metrolink or Amtrak train	6.61
Dial-A-Ride (paratransit)	0
Other. Please specify:	3.67

**tr074.** In the last year (since March 2020), did you ever experience **non-sexual harassment, assault, or robbery** while you were traveling (or walking) in or around Los Angeles County?

Yes	4.58
No	95.42

Asked of respondents who selected “yes” in tr074 (n = 56).

**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	58.65
Skateboard or kick scooter	0
Bicycle or bikeshare (non-electric)	13.73
Electric scooter, electric bike, or electric skateboard (Bird, Lime, etc.)	1.08
Motorcycle or moped	0
Private car, van, carpool, truck, SUV	33.88
Ride-hailing service (Uber, Lyft, etc.)	6.47
Taxi, limo, or hired car service	0
Metro light rail/subway	12.86
Public bus	28.48
Metrolink or Amtrak train	0.98
Dial-A-Ride (paratransit)	0
Other. Please specify:	0

**tr080.** 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 contracting COVID-19 while riding or waiting for the bus?

Very unsafe	26.11
Unsafe	26.07
Somewhat unsafe	29.59
Neither unsafe nor safe	11.13
Somewhat safe	4.09
Safe	1.60
Very safe	1.42

**tr081.** 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 contracting COVID-19 while riding or waiting the Metro?

Very unsafe	26.55
Unsafe	26.59

Somewhat unsafe	28.66
Neither unsafe nor safe	11.19
Somewhat safe	4.29
Safe	1.48
Very safe	1.24

**tr082.** Please rate the following aspect of riding the **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 contracting COVID-19 in a ride-hailing vehicle?

Very unsafe	17.36
Unsafe	21.40
Somewhat unsafe	31.73
Neither unsafe nor safe	14.35
Somewhat safe	10.73
Safe	2.96
Very safe	1.47

**tr084.** 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 contracting COVID-19 in a private vehicle?

Very unsafe	2.56
Unsafe	1.92
Somewhat unsafe	5.16
Neither unsafe nor safe	9.57
Somewhat safe	17.07
Safe	24.82
Very safe	38.90