



U.S. Department of Transportation  
**National Highway Traffic Safety  
Administration**



# National Traffic Safety Survey



**Thank you for participating in the National Traffic Safety Survey. The survey will take about 30 minutes. Participation in this survey is voluntary.**

#### Marking Instructions

- Please use a No. 2 pencil or a blue or black ink pen.
- Please do not use pens with ink that soaks through the paper.
- Please make solid marks that fill the response completely.
- Please make no stray marks on this form.

CORRECT: ●

INCORRECT: ✓ ✗ ☹ ☹

## START HERE

**SCR1. Are you the adult (18 years old or older) in your household with the next upcoming birthday?** *Using the next birthday is a method of random selection and is important to make sure that the experiences of all types of people are represented.*

- 1 Yes → Please continue
- 2 No → Please ask the adult in your household with the next birthday to complete this survey

Paperwork Reduction Act Burden Statement: Under the Paperwork Reduction Act, a federal agency may not conduct or sponsor, and a person is not required to respond to, a collection of information subject to the requirements of the Paperwork Reduction Act unless that collection of information displays a current valid OMB Control Number. The OMB Control Number for this information collection is 2127-XXXX. The average amount of time to complete this survey is 30 minutes. The purpose of the survey is to collect information about road user attitudes and behaviors related to motor vehicle safety that will be used to inform the development of appropriate traffic safety countermeasures. All responses to this collection of information are voluntary. If you have comments regarding this burden estimate or any other aspect of this collection of information, including suggestions for reducing this burden, send them to: Information Collection Clearance Officer, National Highway Traffic Safety Administration, 1200 New Jersey Ave. SE, Washington, DC 20590.

The next few questions ask about your general driving experiences. For these questions, a motorcycle counts as a motor vehicle, but electric bikes or scooters do not.

**C1. Thinking about the past 12 months, how often do you usually drive a car, motorcycle, or other motor vehicle?**

- 1 Every day, or almost every day
- 2 Several days a week
- 3 About once a week
- 4 Once or twice a month
- 5 Up to a few times a year
- 6 I have not driven in the past 12 months

→ **Go to question C2**

**C1a. Have you ever driven before?**

- 1 Yes
- 2 No

→ **Skip to question C2**

**C2. When driving a motor vehicle, how often do you wear your seat belt?**

- 1 All trips
- 2 Most trips
- 3 About half my trips
- 4 Fewer than half my trips
- 5 None of my trips

**C3. Which of the following statements best describes your driving?**

- 1 I tend to pass other cars more often than other cars pass me
- 2 Other cars tend to pass me more often than I pass them
- 3 Both about equally

**C4. In the past 30 days, have you driven a motor vehicle with other adult passengers in the vehicle?**

- 1 Yes, I have driven adults in the front passenger seat
- 2 Yes, I have driven adults in a back seat
- 3 Yes, I have driven adults both in the front passenger seat and in a back seat
- 4 No, I have not driven adult passengers in the past 30 days

**C5. In the past 30 days, have you driven a motor vehicle with children aged 12 or younger in the vehicle?**

- 1 Yes, in the front passenger seat
- 2 Yes, in a back seat
- 3 Yes, both in the front passenger seat and in a back seat
- 4 No, I have not driven children aged 12 or younger in the past 30 days → **Go to question C6**

**C5a. When you are driving and children aged 12 or younger are riding with you, are they typically in a car seat, booster seat, seat belt, or do they ride without a seat belt? You may select more than one if answering about multiple children. *Select all that apply.***

- 1 Rear-facing car seat
- 2 Forward-facing car seat
- 3 Booster seat
- 4 Seat belt
- 5 Without a seat belt

**C6. Not including driving to and from work, have you driven a vehicle as part of a job or business in the past 12 months?**

- 1 Yes
- 2 No → **Go to question C7**

**C6a. How often have you driven a vehicle as part of a job or business?**

- 1 Every day, or almost every day
- 2 Several days a week
- 3 About once a week
- 4 Once or twice a month
- 5 Up to a few times a year

**C6b. Are you more likely, less likely, or just as likely to wear your seat belt when driving on the job as compared to when driving for personal use?**

- 1 More likely
- 2 Less likely
- 3 Just as likely

**C7. In the past 12 months, how often have you driven a motor vehicle at night, after 9 pm?**

- 1 Every day, or almost every day
- 2 Several days a week
- 3 About once a week
- 4 Once or twice a month
- 5 Up to a few times a year
- 6 Never in the past 12 months

**C8. When was the last time you did not wear your seat belt at any point while driving?**

- 1 Today
- 2 Within the past week
- 3 Within the past month
- 4 Within the past 12 months
- 5 A year or more ago
- 6 Never

**C9. When driving I tend to...**

- 1 Stay with slower moving traffic
- 2 Keep up with the faster traffic
- 3 Both about equally

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The next few questions ask about activities you might do while driving. When we say while driving, please include any times that you are seated in the driver's seat (behind the wheel of your vehicle) if it is not in Park. For example, while driving means both when the vehicle is moving and during times like stopped at a stop sign or red light.

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**C10. How often do you talk on the phone while driving?**

*For this question, consider all methods of talking on the phone, including holding the device to your ear, using speakerphone, or using any type of hands-free calling, such as a headset or in-vehicle system or app.*

- 1 All trips
- 2 Most trips
- 3 About half my trips
- 4 Fewer than half my trips
- 5 None of my trips
- 6 I don't have a cell phone

**C11. How often do you send texts, e-mails, or other messages while driving?**

*For this question, consider all methods of sending messages, including typing directly on the device or screen, using speech-to-text while holding the device, or using any type of hands-free voice commands, such as with a headset or in-vehicle system or app.*

- 1 All trips
- 2 Most trips
- 3 About half my trips
- 4 Fewer than half my trips
- 5 None of my trips
- 6 I don't have a cell phone

**C12. How often do you read texts, e-mails, or other messages while driving?**

*For this question, consider all methods of reading and listening to messages, including while holding the device, looking directly at a screen, or using any type of hands-free voice commands to have messages read aloud, such as with a headset or in-vehicle system or app.*

- 1 All trips
- 2 Most trips
- 3 About half my trips
- 4 Fewer than half my trips
- 5 None of my trips
- 6 I don't have a cell phone

**C13. In the past 30 days, how many times have you fallen asleep or nodded off, even for a moment, while driving?**

- 1 Never in the past 30 days
- 2 Once
- 3 2 to 3 times
- 4 4 to 6 times
- 5 7 to 9 times
- 6 10 or more times

The next few questions ask about your personal experiences, which some people may find to be sensitive in nature. As a reminder, your answers will be kept anonymous. We encourage your honesty in responding to these questions.

**C14. In the past 12 months, how often have you typically had a drink containing alcohol?**

- 1 Every day, or almost every day
- 2 Several days a week
- 3 About once a week
- 4 Once or twice a month
- 5 Up to a few times a year
- 6 Never in the past 12 months → **Go to question C15**

**C14a. In the past 12 months, how often have you driven a motor vehicle within two hours of drinking alcoholic beverages?**

- 1 Every day, or almost every day
- 2 Several days a week
- 3 About once a week
- 4 Once or twice a month
- 5 Up to a few times a year
- 6 Never in the past 12 months

**C15. Cannabis (or marijuana) is available in both recreational and medicinal forms and may be known by many other names (such as weed or pot). Cannabis is often smoked, vaped, or ingested through edibles (such as gummies). In the past 12 months, how often have you typically used cannabis?**

*For this question, we are not interested in CBD oil.*

- 1 Every day, or almost every day
- 2 Several days a week
- 3 About once a week
- 4 Once or twice a month
- 5 Up to a few times a year
- 6 Never in the past 12 months → **Go to question C16**

**C15a. In the past 12 months, how often have you driven a motor vehicle within four hours of using cannabis?**

- 1 Every day, or almost every day
- 2 Several days a week
- 3 About once a week
- 4 Once or twice a month
- 5 Up to a few times a year

6 Never in the past 12 months

**C16. In the past 12 months, have you driven a motor vehicle under the influence of...? Select all that apply.**

- 1 Alcohol
- 2 Cannabis
- 3 Illegal drugs
- 4 Over-the-counter (OTC) drugs or medications that can cause impairment, such as drowsiness, dizziness, or blurred vision
- 5 Prescription drugs or medications that can cause impairment, such as drowsiness, dizziness, or blurred vision
- 6 Combination of any of the above items
- 7 None of these

**C17. Counting cars, vans, minivans, SUVs, pickup trucks, and motorcycles, how many vehicles do you own, lease, or are otherwise available regularly for your use?**

Vehicles

**C18. Which of the following best describes the vehicle that you drive most often?**

*If you drive more than one vehicle about the same amount and can't decide which of them you drive most often, then answer for which of those vehicles you drove last.*

- 1 Personal vehicle owned/leased by me or someone in my household
- 2 Borrowed personal vehicle from a friend/family member
- 3 Vehicle provided by my employer
- 4 Vehicle from a rental car or shared car service such as Enterprise or ZipCar
- 5 Other

**C19. Thinking about the vehicle that you drive most often, is it a...**

- 1 Car or station wagon
- 2 Van or minivan
- 3 SUV (sport utility vehicle)
- 4 Pickup truck
- 5 Other truck (such as a box truck, 18-wheeler, flatbed truck)
- 6 Motorcycle
- 7 Other

→ **Go to question C20**

**C19a. Please provide the year, make, and model of the vehicle you just told us is the one you drive most often. Throughout this survey, we will refer to this vehicle as your *primary vehicle*.**

Year

Make

Model

**C20. For how long have you driven this vehicle?**

- 1 Less than 3 months
- 2 3 months to less than 6 months
- 3 6 months to less than a year
- 4 A year to less than 2 years
- 5 2 years to less than 5 years
- 6 5 years or more

**C21. Have you been involved in a crash or near-crash as a driver in the past 12 months?**

*By "near-crash" we mean a time that you would have almost certainly gotten into a crash if you or another driver had not swerved, slammed on your brakes, or done something else out of the ordinary when driving to avoid the crash.*

- 1 Crash
- 2 Near-crash
- 3 Both
- 4 Neither

**C22. Which, if any, of the following best describes the type of license you have for driving?**

- 1 Driver's license (non-commercial)
- 2 Commercial driver's license (CDL)
- 3 Motorcycle license
- 4 Non-commercial driver's license with "motorcycle" endorsement
- 5 Provisional or probationary license
- 6 Learner or instruction permit
- 7 Suspended or revoked license
- 8 None
- 9 Don't know

**C23. What is your primary mode of transportation? By primary, we mean the way you get around most often.**

- 1 Driving a vehicle
- 2 Riding in a vehicle driven by someone else
- 3 Bus travel
- 4 Train travel
- 5 Riding a bicycle
- 6 Walking
- 7 Other

**C24. How often do you use taxis, Uber, Lyft, or other rideshare services?**

- 1 Every day, or almost every day
- 2 Several days a week
- 3 About once a week
- 4 Once or twice a month
- 5 Up to a few times a year
- 6 Never

## DISTRACTED DRIVING

If you **have driven** in the past 12 months, please continue with question D1.

If you **have not driven** in the past 12 months, please skip to question D14.

In this section of the survey, as described earlier, items ask about activities you might do while driving. When we say while driving, please include any times that you are seated in the driver's seat (behind the wheel of your vehicle) if it is not in Park. For example, while driving means both when the vehicle is moving and during times like stopped at a stop sign or red light.

**D1. While driving your primary vehicle, how often do you use each of the following built-in features? Features may be used for activities such as calling/texting, navigation, music, or other activities. Please respond how often (from all to none of your trips) if your primary vehicle has this feature. If not, please select "My primary vehicle does not have this feature".**

While driving, how often do you use a...	All trips	Most trips	About half my trips	Fewer than half my trips	None of my trips	My primary vehicle does not have this feature
D1a. Built-in hands-free Bluetooth capability for connecting a phone						
D1b. A navigation system built into the vehicle						
D1c. Apple CarPlay or Android Auto for viewing smartphone apps on your car display						
D1d. Built-in car radio						
D1e. CD or tape player						

**D2. Listed below are different types of portable electronic devices. For each one, we are interested in how often you use the device while driving. Please respond how often (from all to none of your trips) if you own that kind of device. If not, please select "I don't own this device".**

While driving, how often do you use a...	All trips	Most trips	About half my trips	Fewer than half my trips	None of my trips	I don't own this device
D2a. Smartphone (with internet connectivity, such as an Android or iPhone)						
D2b. Cell phone without internet (flip-phone or other simple style)						
D2c. Tablet or e-reader, such as an iPad, Fire, or Kindle						
D2d. Smartwatch, such as an Apple Watch or Fitbit						
D2e. Bluetooth headset, headphones/earbuds, or other hands-free device for your phone (not built into the vehicle)						

→ If you never use a smartphone while driving or if you do not own a smartphone, skip to question D14.

**D3. Please consider any time you've used your phone while driving including making/receiving calls, texting or e-mailing, using smartphone apps, etc.**

**In the past 30 days, have you done any of the following with your phone while driving?**

	Yes	No
<b>D3a. Touched or picked up the phone</b>		
<b>D3b. Looked down in your lap, to passenger seat, or cup holder to view phone screen</b>		
<b>D3c. Unlocked phone using fingerprint, face, or passcode</b>		
<b>D3d. Typed on car display to interact with a paired phone</b>		
<b>D3e. Viewed information from a paired phone on car display for more than a moment</b>		

**D4. Other than navigation apps, which types of smartphone apps do you typically use while driving?**

*Select all that apply. Include all types of apps used whether it is directly on your smartphone or with a feature such as Apple CarPlay or Android Auto to view the app on your car display.*

- 1 Communications apps (such as social media, messaging, video calling, or e-mail)
- 2 Entertainment apps (such as music streaming, video streaming, or games)
- 3 Camera or photo apps
- 4 Productivity or utility apps (such as browser, calendar, news, or shopping)
- 5 Some other app(s)
- 6 I do not use any apps other than navigation apps while driving → **Go to question D5**

**D4a. Other than navigation apps, how often do you use smartphone apps while driving?**

- 1 All trips
- 2 Most trips
- 3 About half my trips
- 4 Fewer than half my trips

**D5. How often do you have navigation apps through (or connected to) a smartphone turned on or in use while driving?**

- 1 All trips
- 2 Most trips
- 3 About half my trips
- 4 Fewer than half my trips
- 5 None of my trips → **Go to question D6**

**D5a. When you interact with a navigation app through (or connected to) a smartphone while driving, such as to make changes to your route or destination, do you most often...**

- 1 Continue to drive while using the app
- 2 Pull over to a safe location (parking lot, driveway, side of road) to use the app
- 3 Hand the phone to a passenger to use the app
- 4 Use a Voice Command feature (speech dictation)
- 5 Wait until you reach a red light or stop sign to use the app

**D6. When you write texts, e-mails, or other messages while driving, do you most often...**

- 1 Continue to drive while completing the message
- 2 Pull over to a safe location (parking lot, driveway, side of road) to write the message
- 3 Hand the phone to a passenger to do your messaging
- 4 Use a Voice Command feature (speech dictation)
- 5 Wait until you reach a red light or stop sign to write the message
- 6 I do not write text messages or e-mail while driving

**D7. When you make or receive calls while driving, do you most often...**

- 1 Hold the phone in your hand
- 2 Squeeze the phone between your ear and shoulder
- 3 Use a hands-free headset or earpiece
- 4 Use a built-in-car system (built-in Bluetooth, Apple CarPlay)
- 5 Use the cell phone's speakerphone feature
- 6 I do not make or answer calls while driving

**D8. In which, if any, of the following situations would you never touch or pick up your phone while driving? This includes making/receiving calls, texting or e-mailing, using smartphone apps, etc. Select all that apply.**

- 1 When moving (not at stop signs or red lights)
- 2 Fast moving traffic (freeway)
- 3 Bumper to bumper traffic
- 4 Bad weather
- 5 Driving in unfamiliar area/roads
- 6 Driving at nighttime
- 7 Marked school or construction zones
- 8 With other adult passengers in the car
- 9 With a baby or child on board
- 10 Winding/curving roads
- 11 When I see a police officer
- 12 Some other situation(s)
- 13 None of these

**D9. Which, if any, of the following describe reasons that you are more likely to use your phone while driving? This includes making/receiving calls, texting or e-mailing, using smartphone apps, etc. Select all that apply.**

- 1 How important I think the call, message, or alert is
- 2 It's work-related
- 3 I'm stopped at a red light or stop sign
- 4 It's personal or social
- 5 Urgent/emergency situation
- 6 I'll be using my phone for just a moment
- 7 Bluetooth, hands-free, or voice commands available
- 8 In need of directions or other information
- 9 Boredom (talking on, listening to music on, or using my phone gives me something to do while driving)
- 10 Traveling at a low speed
- 11 Good weather conditions
- 12 Tired (talking on, listening to music on, or using my phone keeps me awake)
- 13 Some other situation(s)
- 14 None of these

**D10. Would you ever use an app or enable a feature on your phone to block calls and text messaging while driving?**

- 1 Yes
- 2 No
- 3 Depends
- 4 Already have

**D11. How, if at all, would you say your driving behavior is different when you are interacting with your phone? This includes making/receiving calls, texting or e-mailing, using smartphone apps, etc.**

*For this question, consider all methods of interacting with the phone, including while holding the device, using speakerphone, or using any type of hands-free voice commands, such as a headset or in-vehicle system or app. Select all that apply.*

- 1 Drive slower
- 2 Drive faster
- 3 Drift out of the lane or roadway
- 4 Change lanes less frequently
- 5 Change lanes more frequently
- 6 Apply the brakes suddenly
- 7 Look in your mirrors or over your shoulder more frequently
- 8 Look in your mirrors or over your shoulder less frequently
- 9 Increase distance from lead vehicle
- 10 Follow lead vehicle more closely
- 11 Use turn signal less regularly
- 12 Use turn signal more regularly
- 13 Something else
- 14 There is no difference in my driving behavior when I am interacting with my phone

**D12. Which, if any, of the following do you think would cause you to use your phone less often while driving? Select all that apply.**

- 1 Getting or hearing about someone getting a ticket for using a cell phone while driving
- 2 New or stricter laws against cell phone use while driving
- 3 Higher fines for distracted driving tickets
- 4 Being in or seeing/hearing about a crash
- 5 Influence or pressure from others to stop using a cell phone while driving
- 6 Features on my cell phone that can limit usage (such as "do not disturb" or "auto-reply" texts) while driving
- 7 Hearing/seeing campaigns around distracted driving safety awareness
- 8 Something else
- 9 Nothing would cause me to use my cell phone less often while driving

**D13. Below is a list of common activities people do while driving. For each activity, we are interested in how often you do each while driving.**

How often do you...	All trips	Most trips	About half my trips	Fewer than half my trips	None of my trips
D13a. Talk or interact with passengers in the vehicle					
D13b. Eat or drink					
D13c. Reach for items elsewhere in the vehicle (passenger side or back seat)					
D13d. Adjust settings on the vehicle dash or radio					
D13e. Do personal grooming (comb hair or apply makeup)					

**D14. How dangerous do you feel the following driving behaviors are?**

*We are interested in your responses even if you do not engage in these activities.*

	Extremely dangerous	Very dangerous	Moderately dangerous	Not very dangerous	Not dangerous at all
D14a. Holding and talking on a phone while driving					
D14b. Holding and texting, e-mailing, or using apps on a phone while driving					
D14c. Talking on a phone using hands-free technology (Bluetooth, CarPlay, Android Auto, etc.) while driving					
D14d. Texting, e-mailing, or using apps on a phone using hands-free technology (Bluetooth, CarPlay, Android Auto, etc.) while driving					

**D15. How safe or unsafe would you feel if you were a passenger riding in a car while your driver was doing each of the following?**

	Very unsafe	Somewhat unsafe	Somewhat safe	Very safe
D15a. Talking or interacting with other passengers in the vehicle				
D15b. Eating or drinking				
D15c. Talking on a phone while holding the phone				
D15d. Reading text or e-mail messages				
D15e. Interacting with a navigation system for driving directions				
D15f. Using smartphone apps through a built-in system such as CarPlay or Android Auto				

**D16. How likely or unlikely are you to do or say something to your driver if they appear distracted by their phone while driving?**

- 1 Very likely
- 2 Somewhat likely
- 3 Somewhat unlikely
- 4 Very unlikely

**D17. Thinking about drivers in the US, about how many do you believe at least occasionally use their phone while driving? This could include making/receiving calls, texting or e-mailing, using smartphone apps, etc.**

- 1 All or nearly all drivers
- 2 Most drivers
- 3 About half of drivers
- 4 Fewer than half of drivers
- 5 None or nearly no drivers

**D18. Assume that you were stopped and fined for using your phone while driving.**

**After receiving the ticket, do you think you would...?**

- 1 Use my phone less often while driving as a permanent change
- 2 Use my phone less often while driving for at least a year
- 3 Use my phone less often while driving for less than a year
- 4 Make no change

**D19. To what extent do you agree or disagree with the following statement?**

**Police in my community generally do not bother to write tickets for distracted driving violations, such as using a phone while driving.**

- 1 Strongly agree
- 2 Somewhat agree
- 3 Somewhat disagree
- 4 Strongly disagree

**D20. Does your state have a law that makes it illegal to text while driving?**

- 1 Definitely yes
- 2 Probably yes
- 3 Probably not
- 4 Definitely not
- 5 Don't know

**D21. Does your state have a law that makes it illegal to use a handheld cell phone while driving?**

- 1 Definitely yes
- 2 Probably yes
- 3 Probably not
- 4 Definitely not
- 5 Don't know

**D22. To what extent do you favor or oppose laws that make it illegal to text while driving?**

- 1 Strongly favor
- 2 Somewhat favor
- 3 Somewhat oppose
- 4 Strongly oppose

**D23. To what extent do you favor or oppose laws that make it illegal to use a handheld cell phone while driving?**

- 1 Strongly favor
- 2 Somewhat favor
- 3 Somewhat oppose
- 4 Strongly oppose

**D24. To what extent do you agree or disagree with the following statement? It is at least as important for police to enforce distracted driving laws as it is for police to enforce other traffic laws.**

- 1 Strongly agree
- 2 Somewhat agree
- 3 Somewhat disagree
- 4 Strongly disagree

**D25. Have you read, seen, or heard any messages that encourage people not to talk on phones, send text or e-mails, or use smartphone apps while driving? This could be public service announcements on TV, signs on the road, news stories, on social media, or something else.**

- 1 Yes, in the past 30 days
- 2 Yes, but longer ago than 30 days
- 3 No, never

**D26. There are phone apps or features available to block phone calls and text messaging while driving. Before this survey, had you ever heard of this?**

- 1 Yes
- 2 No

This section focuses on different types of driver assistance technologies. For each vehicle feature, please read the description. Note that different vehicle manufacturers may refer to these by different names.

**T1. *Blind Spot Warning* is a feature that uses a light or sound to alert a driver that there is a vehicle in their blind spot. Have you ever...**

- 1 Driven a vehicle that has Blind Spot Warning
- 2 Been a passenger only in a vehicle with Blind Spot Warning → **Skip to question T3**
- 3 Heard of Blind Spot Warning but never been in a vehicle with it → **Skip to question T3**
- 4 Never heard of Blind Spot Warning before taking this survey → **Skip to question T5**

**T2. Is your *primary vehicle* equipped with *Blind Spot Warning* technology?**

- 1 Yes
- 2 No
- 3 Don't know → **Go to question T3**

**T2a. In general, do you have your *Blind Spot Warning* feature enabled or disabled? That is, do you keep the feature turned on and able to make alerts, or do you turn it off?**

- 1 Enabled / Turned on
- 2 Disabled / Turned off

**T2b. Have you ever had an experience in which your *Blind Spot Warning* helped you? That is, it alerted you at an appropriate time about the driving situation.**

- 1 Yes
- 2 No
- 3 Don't know
- 4 Never had feature enabled

**T2c. Which, if any, of the following have you experienced with your *Blind Spot Warning* technology? *Select all that apply.***

- 1 The warning alerted me in a driving situation when it should not have
- 2 The warning did not alert me in a driving situation when it should have
- 3 Some other issue or problem
- 4 I have not experienced any issues with my Blind Spot Warning technology
- 5 Never had feature enabled

**T3. To what extent do you understand how a driver uses (or what they can expect when using) *Blind Spot Warning* technology?**

- 1 Completely understand
- 2 Somewhat understand
- 3 Limited understanding
- 4 Do not understand at all

**T4. Please think about *Blind Spot Warning* technology based on your experience or general beliefs about this feature. For each of the following statements, to what extent do you agree or disagree?**

	Strongly agree	Somewhat agree	Neither agree nor disagree	Somewhat disagree	Strongly disagree
T4a. I trust and feel safe with this technology					
T4b. I find this technology annoying or distracting					
T4c. I think this technology reduces stress while driving					
T4d. I think this technology increases the risk of a crash					
T4e. I think this technology is easy to learn and explain					
T4f. I would recommend this technology to other drivers					

**T5. Forward Collision Warning is a feature that uses a light or sound to alert a driver of a potential collision with a vehicle ahead. Have you ever...**

- 1 Driven a vehicle that has Forward Collision Warning
- 2 Been a passenger only in a vehicle with Forward Collision Warning → **Skip to question T7**
- 3 Heard of Forward Collision Warning but never been in a vehicle with it → **Skip to question T7**
- 4 Never heard of Forward Collision Warning before taking this survey → **Skip to question T9**

**T6. Is your primary vehicle equipped with Forward Collision Warning technology?**

- 1 Yes
- 2 No
- 3 Don't know ] → **Go to question T7**

**T6a. In general, do you have your Forward Collision Warning feature enabled or disabled? That is, do you keep the feature turned on and able to make alerts, or do you turn it off?**

- 1 Enabled / Turned on
- 2 Disabled / Turned off

**T6b. Have you ever had an experience in which your Forward Collision Warning helped you? That is, it alerted you at an appropriate time about the driving situation.**

- 1 Yes
- 2 No
- 3 Don't know
- 4 Never had feature enabled

**T6c. Which, if any, of the following have you experienced with your Forward Collision Warning technology? Select all that apply.**

- 1 The warning alerted me in a driving situation when it should not have
- 2 The warning did not alert me in a driving situation when it should have
- 3 Some other issue or problem
- 4 I have not experienced any issues with my Forward Collision Warning technology
- 5 Never had feature enabled

**T7. To what extent do you understand how a driver uses (or what they can expect when using) Forward Collision Warning technology?**

- 1 Completely understand
- 2 Somewhat understand
- 3 Limited understanding
- 4 Do not understand at all

**T8. Please think about Forward Collision Warning technology based on your experience or general beliefs about this feature. For each of the following statements, to what extent do you agree or disagree?**

	Strongly agree	Somewhat agree	Neither agree nor disagree	Somewhat disagree	Strongly disagree
<b>T8a.</b> I trust and feel safe with this technology					
<b>T8b.</b> I find this technology annoying or distracting					
<b>T8c.</b> I think this technology reduces stress while driving					
<b>T8d.</b> I think this technology increases the risk of a crash					
<b>T8e.</b> I think this technology is easy to learn and explain					
<b>T8f.</b> I would recommend this technology to other drivers					

**T9. Lane Departure Warning** is a feature that uses a light or sound to alert a driver if their vehicle approaches or crosses lane markers. Have you ever...

- 1 Driven a vehicle that has Lane Departure Warning
- 2 Been a passenger only in a vehicle with Lane Departure Warning → **Skip to question T11**
- 3 Heard of Lane Departure Warning but never been in a vehicle with it → **Skip to question T11**
- 4 Never heard of Lane Departure Warning before taking this survey → **Skip to question T13**

**T10. Is your primary vehicle equipped with Lane Departure Warning technology?**

- 1 Yes
  - 2 No
  - 3 Don't know
- Go to question T11

**T10a. In general, do you have your Lane Departure Warning feature enabled or disabled? That is, do you keep the feature turned on and able to make alerts, or do you turn it off?**

- 1 Enabled / Turned on
- 2 Disabled / Turned off

**T10b. Have you ever had an experience in which your Lane Departure Warning helped you? That is, it alerted you at an appropriate time about the driving situation.**

- 1 Yes
- 2 No
- 3 Don't know
- 4 Never had feature enable

**T10c. Which, if any, of the following have you experienced with your Lane Departure Warning technology? Select all that apply.**

- 1 The warning alerted me in a driving situation when it should not have
- 2 The warning did not alert me in a driving situation when it should have
- 3 Some other issue or problem
- 4 I have not experienced any issues with my Lane Departure Warning technology
- 5 Never had feature enabled

**T11. To what extent do you understand how a driver uses (or what they can expect when using) Lane Departure Warning technology?**

- 1 Completely understand
- 2 Somewhat understand
- 3 Limited understanding
- 4 Do not understand at all

**T12. Please think about Lane Departure Warning technology based on your experience or general beliefs about this feature. For each of the following statements, to what extent do you agree or disagree?**

	Strongly agree	Somewhat agree	Neither agree nor disagree	Somewhat disagree	Strongly disagree
T12a. I trust and feel safe with this technology					
T12b. I find this technology annoying or distracting					
T12c. I think this technology reduces stress while driving					
T12d. I think this technology increases the risk of a crash					
T12e. I think this technology is easy to learn and explain					
T12f. I would recommend this technology to other drivers					

**T13. Backup or Rearview Camera is a feature that uses a screen to display the area behind the vehicle when in reverse gear. Have you ever...**

- 1 Driven a vehicle that has a Backup or Rearview Camera
- 2 Been a passenger only in a vehicle with a Backup or Rearview Camera → **Skip to question T15**
- 3 Heard of a Backup or Rearview Camera but never been in a vehicle with it → **Skip to question T15**
- 4 Never heard of a Backup or Rearview Camera before taking this survey → **Skip to question T17**

**T14. Is your primary vehicle equipped with a Backup or Rearview Camera?**

- 1 Yes
  - 2 No
  - 3 Don't know
- **Go to question T15**

**T14a. How often do you use your Backup or Rearview Camera?**

- 1 All trips
- 2 Most trips
- 3 About half my trips
- 4 Fewer than half my trips
- 5 None of my trips

**T14b. Have you ever had an experience in which your Backup or Rearview Camera helped you? That is, it enabled you to see a vehicle, pedestrian, or other object behind you that you did not otherwise see.**

- 1 Yes
- 2 No
- 3 Don't know
- 4 Never used Backup/Rearview Camera

**T14c. Which, if any, of the following have you experienced with your Backup or Rearview Camera? Select all that apply.**

- 1 Vehicle was closer to an object in the camera view than it appeared
- 2 Camera view did not show a vehicle, person, or other object that was behind me
- 3 Visibility impacted by weather conditions
- 4 Visibility impacted by dirt or debris on the camera lens
- 5 Some other issue or problem
- 6 I have not experienced any issues with my Backup or Rearview Camera
- 7 Never used Backup/Rearview Camera

**T15. To what extent do you understand how a driver uses (or what they can expect when using) Backup or Rearview Camera technology?**

- 1 Completely understand
- 2 Somewhat understand
- 3 Limited understanding
- 4 Do not understand at all

**T16. Please think about Backup or Rearview Camera technology based on your experience or general beliefs about this feature. For each of the following statements, to what extent do you agree or disagree?**

	Strongly agree	Somewhat agree	Neither agree nor disagree	Somewhat disagree	Strongly disagree
T16a. I trust and feel safe with this technology					
T16b. I find this technology annoying or distracting					
T16c. I think this technology reduces stress while driving					
T16d. I think this technology increases the risk of a crash					
T16e. I think this technology is easy to learn and explain					
T16f. I would recommend this technology to other drivers					

**T17. Think about your driving behavior when you are in a vehicle with features that use a light or sound to alert the driver about something, such as Blind Spot Warning, Forward Collision Warning, or Lane Departure Warning.**

**How, if at all, would you say your driving behavior is different compared to when you are in a vehicle without these features? Select all that apply.**

- 1 Drive slower
- 2 Drive faster
- 3 Change lanes less frequently
- 4 Change lanes more frequently
- 5 Look in your mirrors or over your shoulder more frequently
- 6 Look in your mirrors or over your shoulder less frequently
- 7 Increase distance from lead vehicle
- 8 Follow lead vehicle more closely
- 9 Use my phone or other electronic device more
- 10 Other (please specify)

- 11 There is no difference in my driving behavior
- 12 I have not driven a vehicle with these features

**T18. Which, if any, of the following have you used to get information about new vehicle technologies that you may be unfamiliar with? For example, how it works, how to use it, or what to expect when using the feature. Select all that apply.**

- 1 Internet sources (search engine, online videos, forums, etc.)
- 2 Social media (Facebook, Instagram, Twitter, etc.)
- 3 Mechanic or vehicle dealership staff
- 4 Owner's manual or materials from the vehicle manufacturer
- 5 Government safety website (National Highway Traffic and Safety Administration, safecar.gov, etc.)
- 6 Print materials (such as books, brochures, or pamphlets)
- 7 Friends or family
- 8 Other (please specify)

- 9 I have not sought out information about how to use vehicle technology

**T19. Generally speaking, how useful do you think driver assistance technologies, like those described in this survey, are in preventing vehicle crashes?**

- 1 Very useful
- 2 Somewhat useful
- 3 Not too useful
- 4 Not at all useful

**T20. To what extent are you concerned, if at all, that drivers using driver assistance technologies may engage in increased distracted driving behavior (such as cell phone use, taking their eyes off the road, or hands off the steering wheel)?**

- 1 Very concerned
- 2 Somewhat concerned
- 3 Not very concerned
- 4 Not concerned at all

**T21. Next time you buy or lease a vehicle, will you want it to have each of the following types of driver assistance technologies?**

	Definitely yes	Probably yes	Probably not	Definitely not	Don't know
<b>T21a. Blind Spot Warning</b>					
<b>T21b. Forward Collision Warning</b>					
<b>T21c. Lane Departure Warning</b>					
<b>T21d. Backup or Rearview Camera</b>					

Before we wrap up the survey, we have a few additional background questions about you.

**C25. How old are you?**

Years old

**C26. What is your sex?**

- 1 Female
- 2 Male

**C27. In order to better understand driver and rider characteristics, we'd like to ask you about your height and weight.**

**About how tall are you without shoes?**

Feet  Inches

**C28. What is your weight?**

Pounds

**C29. What is your race and/or ethnicity? Select all that apply.**

- 1 American Indian or Alaska Native
- 2 Asian
- 3 Black or African American
- 4 Hispanic or Latino
- 5 Middle Eastern or North African
- 6 Native Hawaiian or Pacific Islander
- 7 White

**C30. Are you currently married, widowed, divorced, separated, or have you never been married?**

- 1 Married
- 2 Widowed
- 3 Divorced
- 4 Separated
- 5 Never married

**C31. Do you own or rent your home?**

- 1 Own
- 2 Rent
- 3 Some other arrangement

**C32. What is the highest degree or level of school you have completed?**

- 1 Did not start high school
- 2 Some high school
- 3 High school diploma
- 4 GED or alternative credential
- 5 Some college with no degree
- 6 Two-year or Associate's degree
- 7 Four-year or Bachelor's degree
- 8 Some graduate school with no degree
- 9 Graduate or professional degree

**C33. Which of the following categories best describes your total household income before taxes in 2024? Your best estimate is fine.**

- 1 Less than \$15,000
- 2 \$15,000 to \$24,999
- 3 \$25,000 to \$34,999
- 4 \$35,000 to \$49,999
- 5 \$50,000 to \$74,999
- 6 \$75,000 to \$99,999
- 7 \$100,000 to \$149,999
- 8 \$150,000 to \$199,999
- 9 \$200,000 or more

**C34. Including yourself, how many adults aged 18 and older live in your household?**

Adults

**C35. Which, if any, of the following aged children live in your household? Select all that apply.**

- 1 Under 1 year old
- 2 1 or 2 years old
- 3 3, 4 or 5 years old
- 4 6, 7 or 8 years old
- 5 9, 10, 11 or 12 years old
- 6 13, 14 or 15 years old
- 7 16 or 17 years old
- 8 No children in my household

**C36. What is your current employment status?**

- 1 Working as a paid employee, full-time
- 2 Working as a paid employee, part-time
- 3 Not working and looking for work
- 4 Not working, retired
- 5 Not working due to disability
- 6 Not working, homemaker
- 7 Not working for any other reason