



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

## SEAT BELTS

If you have driven in the past 12 months, please continue with question S1.

If you have not driven in the past 12 months, please skip to question S6.

**S1. Do the seat belts in the front seat of your primary vehicle go across both your shoulder and lap or across your lap only?**

- 1 Across both shoulder and lap
  - 2 Across lap only
  - 3 Vehicle has no belts
- } → **Go to question S2**

**S1a. Are the shoulder and lap belt one piece or are they two separate belts?**

- 1 One piece
- 2 Two separate belts

**S1b. Shoulder belts are usually attached to the frame behind the driver's left shoulder. In some vehicles, this attachment can be moved up or down to adjust the shoulder belt. Is this attachment adjustable in your vehicle?**

- 1 Yes, adjustable
- 2 No, not adjustable
- 3 Don't know

**S2. Are you more likely, less likely, or just as likely to wear your seat belt when driving at night compared to when driving during the day?**

- 1 More likely
- 2 Less likely
- 3 Just as likely
- 4 Don't drive at night

**S3. When driving, suppose you notice that a passenger in the vehicle is not wearing their seat belt. How likely or unlikely are you to tell them to put it on?**

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

**S4. Assume that you regularly do not wear your seat belt while driving over the next six months. How likely or unlikely do you think you will be to receive a ticket for not wearing a seat belt?**

- 1 Very likely
- 2 Somewhat likely
- 3 Somewhat unlikely
- 4 Very unlikely
- 5 This is not against the law where I live

**S5. The next few statements are about driving and seat belts. Please tell us how much you agree or disagree with each one.**

	Strongly agree	Somewhat agree	Somewhat disagree	Strongly disagree
<b>S5a. Seat belts are just as likely to harm as help you.</b>				
<b>S5b. If I were in a crash, I would want to have my seat belt on.</b>				
<b>S5c. Putting on a seat belt makes me worry more about being in a crash.</b>				
<b>S5d. If it is your time to die, you'll die, so it doesn't matter whether you wear your seat belt.</b>				
<b>S5e. There is no excuse for not wearing your seat belt.</b>				

**S6. How often do you ride as a passenger in any kind of car, van, SUV, or truck?**

- 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 → **Go to question S7**

**S6a. When you are a passenger, do you usually ride in the front seat or the back seat?**

- 1 Front seat
- 2 Back seat

**S6b. When riding as a passenger in the front seat, how often do you wear your seat belt?**

- 1 All trips
- 2 Most trips
- 3 About half the trips
- 4 Fewer than half the trips
- 5 None of the trips
- 6 I never ride in the front seat

**S6c. When riding as a passenger in the back seat, how often do you wear your seat belt?**

- 1 All trips
- 2 Most trips
- 3 About half the trips
- 4 Fewer than half the trips
- 5 None of the trips
- 6 I never ride in the back seat

**S7. Thinking about drivers in the US, about how many do you believe wear their seat belt every time they drive?**

- 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

**S8. Thinking about adults in the US, about how many do you believe have not worn a seat belt at any point while riding as a passenger in the past 12 months?**

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

**S9. Which, if any, of the following describe reasons why you wear your seat belt?**

*Select all that apply.*

- 1 It's a habit
- 2 I don't want to get a ticket
- 3 Others expect me to wear it
- 4 It's the law
- 5 I want to avoid serious injury
- 6 I want to set a good example for others
- 7 The vehicle has a bell, buzzer, or light that reminds me
- 8 Some other reason(s)
- 9 I never wear my seat belt

**S10. Which, if any, of the following describe reasons why you have not worn your seat belt during past occasions?**

*Select all that apply.*

- 1 I'm only going a short distance
- 2 I'm riding in light traffic
- 3 The seat belt is uncomfortable
- 4 The probability of being in a crash is too low
- 5 The people I am with are not wearing seat belts
- 6 I don't like being told what to do
- 7 I can't get to the seat belt or am unable to get it to work
- 8 I don't think I need a seat belt in taxis or Ubers/Lyfts
- 9 Some other reason(s)
- 10 I always wear my seat belt



**S11. Is there anything that you particularly dislike or find annoying about wearing your seat belt?**

- 1 Yes
- 2 No → Go to question S12

**S11a. What is it that you dislike or find annoying? Is it because...**

*Select all that apply.*

- 1 Seat belts are a nuisance or hassle
- 2 I feel too restricted or confined by seat belts
- 3 Seat belts put pressure on my neck, choke me, or cut across my neck
- 4 Seat belts put pressure on my shoulder; the shoulder strap is too tight
- 5 Seat belts put pressure on my chest
- 6 Seat belts irritate or chafe my skin
- 7 Seat belts wrinkle my clothes
- 8 Something else

**S12. Which, if any, of the following would encourage you to wear (or continue wearing) your seat belt?**

*Select all that apply. We are interested in your responses even if you already wear your seat belt.*

- 1 Getting or hearing about someone getting a ticket for not wearing a seat belt
- 2 New or stricter laws regarding seat belt use
- 3 Higher fines for seat belt violation tickets
- 4 Being in or seeing/hearing about a crash
- 5 Influence or pressure from others to wear my seat belt
- 6 Technology in my vehicle that reminds me to do so (such as a light or beeping alert)
- 7 Hearing/seeing campaigns around seat belt safety awareness
- 8 Discounts from my auto insurance company for wearing my seat belt
- 9 Something else
- 10 Nothing would encourage me to wear my seat belt

**S13. In a crash, would you say that seat belts are most helpful to adults in the front seat, in the back seat, or is it about the same?**

- 1 Front seat
- 2 Back seat
- 3 About the same

**S14. Thinking about drivers in the US, about how many do you believe would agree to the following statement:**

**Wearing a seat belt while driving is a worthwhile precaution.**

- 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

**S15. Thinking about adults in the US, about how many do you believe would agree to the following statement:**

**It's okay to sometimes not buckle up when riding as a passenger.**

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

**S16. Assume that you regularly do not wear your seat belt while riding in the back seat of a vehicle over the next six months.**

**How likely or unlikely do you think you will be to receive a ticket for not wearing a seat belt?**

- 1 Very likely
- 2 Somewhat likely
- 3 Somewhat unlikely
- 4 Very unlikely
- 5 This is not against the law where I live

**S17. Assume that you were stopped and fined for not wearing a seat belt.**

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

- 1 Wear my seat belt more often as a permanent change
- 2 Wear my seat belt more often for at least a year
- 3 Wear my seat belt more often for less than a year
- 4 Make no change

**S18. To what extent do you agree or disagree with the following statement?**

**Police in my community generally do not bother to write tickets for seat belt violations.**

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

**S19. To what extent do you favor or oppose laws that require drivers and front seat passengers to wear seat belts?**

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

**S20. To what extent do you favor or oppose fines for drivers who do not wear seat belts?**

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

**S21. To what extent do you favor or oppose laws that require back seat adult passengers to wear seat belts?**

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

**S22. Have you read, seen, or heard anything regarding the importance of seat belts from people or groups in your community? This could be public service announcements on TV, signs on the road, news stories, on social media, through an organization, or something else.**

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

**S23. The next questions are about seat belt laws in your state. Does your state have a law requiring seat belt use?**

- 1 Definitely yes
  - 2 Probably yes
  - 3 Probably not
  - 4 Definitely not
  - 5 Don't know
- Go to question S24

**S23a. To the best of your knowledge, who is required to wear seat belts according to your state law?**

*Select all that apply.*

- 1 Drivers
- 2 Children in the front seat
- 3 Children in the back seat
- 4 Adult passengers in the front seat
- 5 Adult passengers in the back seat

**S23b. To the best of your knowledge in your state, can police stop a vehicle if they observe a seat belt violation or do they have to observe some other offense first in order to stop the vehicle?**

- 1 Can stop just for seat belt violation
- 2 Must observe another offense first
- 3 Don't know

**S24. In your opinion, should police be allowed to stop a vehicle if they observe a seat belt violation when no other traffic laws are being broken?**

- 1 Should be allowed to stop
- 2 Should not

**S25. To what extent do you agree or disagree with the following statement?**

**It is at least as important for police to enforce seat belt laws as it is for police to enforce other traffic laws.**

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

**S26. Have you read, seen, or heard anything about enforcement of seat belt laws by police?**

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

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. I trust and feel safe with this technology</b>					
<b>T8b. I find this technology annoying or distracting</b>					
<b>T8c. I think this technology reduces stress while driving</b>					
<b>T8d. I think this technology increases the risk of a crash</b>					
<b>T8e. I think this technology is easy to learn and explain</b>					

T8f. I would recommend this technology to other drivers					
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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

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**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>					

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

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**C25. How old are you?**

Years old

**C26. Are you:**

*Select all that apply.*

- 1 Female
- 2 Male
- 3 Transgender, non-binary, or another gender

**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