This poll was conducted between August 31-September 4, 2021 among a sample of 2,200 adults. The interviews were conducted online and the data were weighted to approximate a target sample of adults based on gender, educational attainment, age, race, and region. Results from the full survey have a margin of error of plus or minus 2 percentage points.
AGENDA

GENERAL SENTIMENT ON AVS

AV POLICY VIEWS

MESSAGE TESTING
About two in five adults (42%) say they are familiar with autonomous vehicles (AVs).

Generally speaking, how familiar are you with autonomous vehicles?
Half of Democrats (51%) and Biden voters (53%) are familiar with autonomous vehicles, and close to three quarters (71%) of labor union members are familiar with autonomous vehicles.

Generally speaking, how familiar are you with autonomous vehicles?
About a quarter of adults (27%) say they have previously seen an autonomous vehicle used or tested anywhere, and slightly fewer have seen an AV used or tested in their state (18%) or in their local community (12%).

Have you previously seen an autonomous vehicle used or tested…

- **Anywhere**: 27% Yes, 10% Don't know/No opinion, 63% No
- **In your state**: 18% Yes, 12% Don't know/No opinion, 70% No
- **In your local community**: 12% Yes, 11% Don't know/No opinion, 76% No
Close to a third of Democrats (31%) and half of labor union members (50%) have seen an autonomous vehicle used or tested anywhere.

Have you previously seen an autonomous vehicle used or tested…

**Democrats [N=822]**

**Labor union members [N=186]**
Adults who are familiar with autonomous vehicles (62%) are more likely than adults in general (41%) to say they are interested in riding in an AV; adults who are familiar with AVs (32%) are about 2x as likely as adults in general (17%) to say they are very interested in riding in an AV.

How interested are you in riding in an autonomous vehicle?
Two thirds of labor union members (65%) are *interested* in riding in an autonomous vehicle, including 42% who are *very interested*. About half of Democrats (47%), Biden voters (48%), and adults who drive to work (48%) are *interested* in riding in an AV.

How *interested* are you in riding in an autonomous vehicle?
Currently, 15% of adults say they are *ready now* to ride in an autonomous vehicle, where close to two in five (38%) say they will be ready in the next 1-5 years.

How long would you say it will be until you would feel comfortable riding in an autonomous vehicle? Your best guess will do.
A quarter of labor union members (24%) say they are **ready now** to ride in an autonomous vehicle, and roughly one in five Democrats (17%) and labor union members (22%) say they would be ready **in the next 3 years**.

How **long** would you say it will be until you would feel comfortable riding in an autonomous vehicle? Your best guess will do.

**Democrats [N=822]**

**Labor union members [N=186]**
AGENDA

GENERAL SENTIMENT ON AVS

AV POLICY VIEWS

MESSAGE TESTING
A majority of adults (53%) support autonomous vehicles being tested in their state, including about a quarter (23%) who strongly support.

Autonomous vehicles are currently being tested on the roads in select cities like Houston, San Francisco, and Phoenix. Would you support or oppose autonomous vehicles being tested in your state?
Three quarters of labor union members (75%) and three in five Democrats (60%) and Biden voters (62%) support autonomous vehicles being tested in their state.

Autonomous vehicles are currently being tested on the roads in select cities like Houston, San Francisco, and Phoenix. Would you support or oppose autonomous vehicles being tested in your state?
Adults from the *Northeast* (57%) and *West* (58%) regions of the country are more likely to support autonomous vehicles being tested in their state than those from the *South* (50%) or *Midwest* (47%).

Autonomous vehicles are currently being tested on the roads in select cities like Houston, San Francisco, and Phoenix. Would you *support* or *oppose* autonomous vehicles being tested in your state?
Just over two in five adults (44%) support proposals in Congress to increase the number of autonomous vehicles that can be built per year; about a third (31%) oppose, and a quarter (25%) say they don’t know.

Currently, a federal regulation exists which limits the number of fully-autonomous vehicles that can be built per year to 2,500 vehicles per car maker. Would you support or oppose proposals in Congress to increase the number of autonomous vehicles that can be built per year?
About two thirds of labor union members (68%) support proposals in Congress to increase the number of autonomous vehicles that can be built per year, including 44% who strongly support this.

Currently, a federal regulation exists which limits the number of fully-autonomous vehicles that can be built per year to 2,500 vehicles per car maker. Would you support or oppose proposals in Congress to increase the number of autonomous vehicles that can be built per year?

<table>
<thead>
<tr>
<th></th>
<th>Strongly support</th>
<th>Somewhat support</th>
<th>Somewhat oppose</th>
<th>Strongly oppose</th>
<th>Don't know/No opinion</th>
</tr>
</thead>
<tbody>
<tr>
<td>Adults</td>
<td>20%</td>
<td>24%</td>
<td>13%</td>
<td>18%</td>
<td>25%</td>
</tr>
<tr>
<td>Democrats</td>
<td>28%</td>
<td>26%</td>
<td>13%</td>
<td>14%</td>
<td>20%</td>
</tr>
<tr>
<td>Biden voters</td>
<td>28%</td>
<td>28%</td>
<td>11%</td>
<td>13%</td>
<td>20%</td>
</tr>
<tr>
<td>Labor union members</td>
<td>44%</td>
<td>24%</td>
<td>13%</td>
<td>9%</td>
<td>10%</td>
</tr>
<tr>
<td>Drives to work</td>
<td>20%</td>
<td>31%</td>
<td>14%</td>
<td>17%</td>
<td>19%</td>
</tr>
</tbody>
</table>

**NET Support**

- Adults: +13
- Democrats: +27
- Biden voters: +32
- Labor union members: +46
- Drives to work: +20
About half of adults (47%) support the government taking steps to provide skills training to prepare drivers for new positions.

Supporters of autonomous vehicles believe the technology has the potential to create new jobs, where opponents of autonomous vehicles believe the technology threatens certain driving professions. In order to help workers adapt to a future of autonomous vehicles, what steps, if any, would you support the government taking? Select all that apply.

- Provide skills training to prepare drivers for new positions: 47% selected, 53% not selected
- Identify new positions in maintenance of self-driving vehicles: 36% selected, 64% not selected
- Nothing - people can adapt on their own: 27% selected, 73% not selected
- Block the development of self-driving vehicles until all drivers can find new jobs: 14% selected, 86% not selected
- Other, please specify: 98%
More than half of Democrats (56%) and labor union members (55%) support the government providing skills training to prepare drivers for new positions; sizeable shares of Democrats (45%) and labor union members (49%) also say they support identifying new positions in maintenance of self-driving vehicles.

Supporters of autonomous vehicles believe the technology has the potential to create new jobs, where opponents of autonomous vehicles believe the technology threatens certain driving professions. In order to help workers adapt to a future of autonomous vehicles, what steps, if any, would you support the government taking? Select all that apply.

**Democrats [N=822]**
**Labor union members [N=186]**

- Provide skills training to prepare drivers for new positions: 56%
- Identify new positions in maintenance of self-driving vehicles: 45%
- Block the development of self-driving vehicles until all drivers can find new jobs: 14%
- Other, please specify: Nothing - people can adapt on their own: 18%

- Provide skills training to prepare drivers for new positions: 55%
- Identify new positions in maintenance of self-driving vehicles: 49%
- Block the development of self-driving vehicles until all drivers can find new jobs: 21%
- Other, please specify: Nothing - people can adapt on their own: 12%
GENERAL SENTIMENT ON AVS

AV POLICY VIEWS

MESSAGE TESTING
In the pre-message testing read, half of adults (49%) support Congress increasing support for the testing and development of AV technology, including 18% who strongly support.

Based on what you know, do you support or oppose Congress increasing support for the testing and development of autonomous vehicle technology?

Pre-message test

- **Strongly support**: 18%
- **Somewhat support**: 31%
- **Somewhat oppose**: 14%
- **Strongly oppose**: 18%
- **Don't know/No opinion**: 18%
Roughly three quarters of labor union members (72%) support Congress increasing support for the testing and development of autonomous vehicle technology, and about three in five Democrats (61%) and Biden voters (63%) also say they support this.

Based on what you know, do you support or oppose Congress increasing support for the testing and development of autonomous vehicle technology?

**Pre-message test**

<table>
<thead>
<tr>
<th>Group</th>
<th>Strongly support</th>
<th>Somewhat support</th>
<th>Somewhat oppose</th>
<th>Strongly oppose</th>
<th>Don't know/No opinion</th>
<th>NET Support</th>
</tr>
</thead>
<tbody>
<tr>
<td>Adults</td>
<td>18%</td>
<td>31%</td>
<td>14%</td>
<td>18%</td>
<td>18%</td>
<td>+17</td>
</tr>
<tr>
<td>Democrats</td>
<td>26%</td>
<td>35%</td>
<td>12%</td>
<td>13%</td>
<td>13%</td>
<td>+36</td>
</tr>
<tr>
<td>Biden voters</td>
<td>26%</td>
<td>37%</td>
<td>12%</td>
<td>11%</td>
<td>14%</td>
<td>+40</td>
</tr>
<tr>
<td>Labor union members</td>
<td>39%</td>
<td>33%</td>
<td>13%</td>
<td>4%</td>
<td>10%</td>
<td>+55</td>
</tr>
<tr>
<td>Drives to work</td>
<td>17%</td>
<td>38%</td>
<td>17%</td>
<td>17%</td>
<td>11%</td>
<td>+21</td>
</tr>
</tbody>
</table>
Adults are most likely to think the tested message about self-driving cars offering increased mobility to wheelchair users, the blind, and seniors who are unable to drive themselves (63%) is convincing.

Below are some messages in support of the benefits of autonomous vehicle technology. How convincing, if at all, do you find each of these messages?
About three quarters or more of Democrats find all of the tested messages about the benefits of autonomous vehicle technology *convincing*.

Below are some messages in support of the benefits of autonomous vehicle technology. How *convincing*, if at all, do you find each of these messages?

**Democrats [N=822]**

<table>
<thead>
<tr>
<th>Message</th>
<th>Very convincing</th>
<th>Somewhat convincing</th>
<th>Not too convincing</th>
<th>Not at all convincing</th>
<th>Don't know/No opinion</th>
<th>Total Convincing</th>
</tr>
</thead>
<tbody>
<tr>
<td>Self-driving vehicles will utilize electric vehicle technology and would reduce carbon emissions.</td>
<td>33%</td>
<td>35%</td>
<td>12%</td>
<td>12%</td>
<td>9%</td>
<td>68%</td>
</tr>
<tr>
<td>Self-driving vehicles offer increased mobility to wheelchair users, the blind, and seniors who are unable to drive themselves.</td>
<td>33%</td>
<td>36%</td>
<td>12%</td>
<td>11%</td>
<td>7%</td>
<td>69%</td>
</tr>
<tr>
<td>Self-driving vehicles can help delivery groceries and food to families who live far from those conveniences</td>
<td>31%</td>
<td>36%</td>
<td>13%</td>
<td>11%</td>
<td>8%</td>
<td>67%</td>
</tr>
<tr>
<td>Self-driving cars can provide additional transportation opportunities for communities that currently lack transit or ride-share connectivity</td>
<td>29%</td>
<td>34%</td>
<td>17%</td>
<td>13%</td>
<td>7%</td>
<td>63%</td>
</tr>
<tr>
<td>Building self-driving cars in this country will keep existing auto manufacturing in this country and create new jobs.</td>
<td>27%</td>
<td>34%</td>
<td>15%</td>
<td>15%</td>
<td>9%</td>
<td>61%</td>
</tr>
<tr>
<td>Self-driving vehicles would make our roads safer by reducing crashes caused by human error</td>
<td>25%</td>
<td>28%</td>
<td>19%</td>
<td>20%</td>
<td>8%</td>
<td>53%</td>
</tr>
<tr>
<td>Self-driving vehicles eliminate the hassle of driving</td>
<td>23%</td>
<td>27%</td>
<td>20%</td>
<td>22%</td>
<td>8%</td>
<td>50%</td>
</tr>
</tbody>
</table>
About two in five labor union members find the messages about self driving vehicles offering increased mobility wheelchair users, the blind and seniors (39%) and utilizing electric vehicle technology and reducing carbon emissions (38%) to be very convincing.

Below are some messages in support of the benefits of autonomous vehicle technology. How convincing, if at all, do you find each of these messages?

**Labor union members [N=186]**

- **Self-driving vehicles offer increased mobility to wheelchair users, the blind, and seniors who are unable to drive themselves.**
  - Very convincing: 39%
  - Somewhat convincing: 34%
  - Not too convincing: 9%
  - Not at all convincing: 9%
  - Don't know/No opinion: 8%
  - Total Convincing: 73%

- **Self-driving vehicles will utilize electric vehicle technology and would reduce carbon emissions.**
  - Very convincing: 38%
  - Somewhat convincing: 35%
  - Not too convincing: 13%
  - Not at all convincing: 9%
  - Don't know/No opinion: 6%
  - Total Convincing: 73%

- **Self-driving vehicles would make our roads safer by reducing crashes caused by human error.**
  - Very convincing: 36%
  - Somewhat convincing: 30%
  - Not too convincing: 15%
  - Not at all convincing: 11%
  - Don't know/No opinion: 8%
  - Total Convincing: 66%

- **Self-driving vehicles can help delivery groceries and food to families who live far from those conveniences.**
  - Very convincing: 36%
  - Somewhat convincing: 36%
  - Not too convincing: 16%
  - Not at all convincing: 6%
  - Don't know/No opinion: 6%
  - Total Convincing: 72%

- **Building self-driving cars in this country will keep existing auto manufacturing in this country and create new jobs.**
  - Very convincing: 35%
  - Somewhat convincing: 35%
  - Not too convincing: 14%
  - Not at all convincing: 9%
  - Don't know/No opinion: 7%
  - Total Convincing: 70%

- **Self-driving cars can provide additional transportation opportunities for communities that currently lack transit or ride-share connectivity.**
  - Very convincing: 34%
  - Somewhat convincing: 40%
  - Not too convincing: 12%
  - Not at all convincing: 8%
  - Don't know/No opinion: 7%
  - Total Convincing: 74%

- **Self-driving vehicles eliminate the hassle of driving.**
  - Very convincing: 31%
  - Somewhat convincing: 33%
  - Not too convincing: 18%
  - Not at all convincing: 13%
  - Don't know/No opinion: 5%
  - Total Convincing: 64%
Close to three quarters of adults with an independent living difficulty (72%) say the message about self-driving vehicles offering increased mobility is convincing.

Below are some messages in support of the benefits of autonomous vehicle technology. How convincing, if at all, do you find each of these messages? “Self-driving vehicles offer increased mobility to wheelchair users, the blind, and seniors who are unable to drive themselves.”

<table>
<thead>
<tr>
<th>Message</th>
<th>Very convincing</th>
<th>Somewhat convincing</th>
<th>Not too convincing</th>
<th>Not at all convincing</th>
<th>Don't know/No opinion</th>
<th>Total Convincing</th>
</tr>
</thead>
<tbody>
<tr>
<td>Adults</td>
<td>27%</td>
<td>36%</td>
<td>13%</td>
<td>14%</td>
<td>10%</td>
<td>63%</td>
</tr>
<tr>
<td>Adults with independent living difficulty [N=126]</td>
<td>40%</td>
<td>32%</td>
<td>11%</td>
<td>11%</td>
<td>6%</td>
<td>72%</td>
</tr>
<tr>
<td>Adults with cognitive difficulty [N=252]</td>
<td>36%</td>
<td>29%</td>
<td>12%</td>
<td>13%</td>
<td>11%</td>
<td>65%</td>
</tr>
<tr>
<td>Adults with vision difficulty [N=217]</td>
<td>30%</td>
<td>36%</td>
<td>17%</td>
<td>12%</td>
<td>5%</td>
<td>66%</td>
</tr>
<tr>
<td>Adults with ambulatory difficulty [N=180]</td>
<td>30%</td>
<td>29%</td>
<td>11%</td>
<td>25%</td>
<td>5%</td>
<td>59%</td>
</tr>
<tr>
<td>Adults with hearing difficulty [215]</td>
<td>27%</td>
<td>35%</td>
<td>17%</td>
<td>18%</td>
<td>6%</td>
<td>62%</td>
</tr>
</tbody>
</table>
Adults do not have majority consensus on a single message being *most convincing*, but are mostly likely to name *self driving vehicles offer increased mobility to wheelchair users, the blind, and seniors who are unable to drive themselves* (21%).

Which message do you find to be *most* convincing?

- Self-driving vehicles offer increased mobility to wheelchair users, the blind, and seniors who are unable to drive themselves. 21%
- Building self-driving cars in this country will keep existing auto manufacturing in this country and create new jobs in technology development, advanced vehicle servicing, fleet management, and other related professions. 14%
- Self-driving vehicles would make our roads safer by reducing crashes caused by human error. 11%
- Self-driving cars can provide additional transportation opportunities for communities that currently lack transit or ride-share connectivity. 9%
- Self-driving vehicles pair well with electric vehicle technology and would reduce carbon emissions. 9%
- Self-driving vehicles can help delivery groceries and food to families who live far from those conveniences. 8%
- Self-driving vehicles eliminate the hassle of driving. 5%
- Don't know/No opinion. 22%
After receiving the messages, adults are marginally more likely to support Congress increasing support for the testing and development of AV technology (49% to 53%), and slightly less likely to say they don’t know or have no opinion (18% to 15%).

Sometimes in surveys like this people change their mind. Based on what you know, do you support or oppose Congress increasing support for the testing and development of autonomous vehicle technology?

**Post-message test**

- **Strongly support**: 20% (Pre: 22%) → 33% (Post: +11%)
- **Somewhat support**: 22% (Pre: 21%) → 32% (Post: +11%)
- **Somewhat oppose**: 15% (Pre: 15%) → 17% (Post: +2%)
- **Strongly oppose**: 17% (Pre: 17%) → 15% (Post: -2%)
- **Don’t know/No opinion**: 15% (Pre: 15%) → 15% (Post: 0%)

The change in percentages is depicted using ▲ symbols to indicate increases or decreases.
After receiving the messages, two thirds of Democrats (66%) (+5) and Biden voters (66%) (+3) and three quarters of labor union members (+3) say they support Congress increasing support for the testing and development of AV technology.

Based on what you know, do you support or oppose Congress increasing support for the testing and development of autonomous vehicle technology?

**Post-message test**

<table>
<thead>
<tr>
<th></th>
<th>Strongly support</th>
<th>Somewhat support</th>
<th>Somewhat oppose</th>
<th>Strongly oppose</th>
<th>Don't know/No opinion</th>
</tr>
</thead>
<tbody>
<tr>
<td>Adults</td>
<td>20%</td>
<td>33%</td>
<td>15%</td>
<td>17%</td>
<td>15%</td>
</tr>
<tr>
<td>Democrats</td>
<td>28%</td>
<td>38%</td>
<td>13%</td>
<td>10%</td>
<td>11%</td>
</tr>
<tr>
<td>Biden voters</td>
<td>28%</td>
<td>38%</td>
<td>13%</td>
<td>10%</td>
<td>11%</td>
</tr>
<tr>
<td>Labor union members</td>
<td>42%</td>
<td>33%</td>
<td>10%</td>
<td>8%</td>
<td>7%</td>
</tr>
<tr>
<td>Drives to work</td>
<td>20%</td>
<td>38%</td>
<td>14%</td>
<td>17%</td>
<td>10%</td>
</tr>
</tbody>
</table>

**NET Support**

- Adults: +21 (+4%)
- Democrats: +43 (+7%)
- Biden voters: +43 (+3%)
- Labor union members: +57 (+2%)
- Drives to work: +22 (+1%)