Results are based on telephone interviews conducted March 1-23, 2023, with a random sample of –1,009—adults, ages 18+, living in all 50 U.S. states and the District of Columbia. For results based on this sample of national adults, the margin of sampling error is ±4 percentage points at the 95% confidence level.

For results based on the sample of –509—national adults in Form A and the sample of –500- national adults in Form B, the margin of sampling error is ±5 percentage points.

Interviews are conducted with respondents on landline telephones and cellular phones, with interviews conducted in Spanish for respondents who are primarily Spanish-speaking. Each sample of national adults includes a minimum quota of 75% cell phone respondents and 25% landline respondents, with additional minimum quotas by time zone within region. Landline and cell phone telephone numbers are selected using random digit dial methods. Gallup obtained sample for this study from Dynata. Landline respondents are chosen at random within each household on the basis of which member has the next birthday.

Samples are weighted to correct for unequal selection probability, non-response, and double coverage of landline and cell users in the two sampling frames. They are also weighted to match the national demographics of gender, age, race, Hispanic ethnicity, education, region, population density, and phone status (cell phone-only/landline only/both and cell phone mostly). Demographic weighting targets are based on the most recent Current Population Survey figures for the aged 18 and older U.S. population. Phone status targets are based on the most recent National Health Interview Survey. Population density targets are based on the 2020 census. All reported margins of sampling error include the computed design effects for weighting.

In addition to sampling error, question wording and practical difficulties in conducting surveys can introduce error or bias into the findings of public opinion polls. For questions about how this survey was conducted, please contact galluphelp@gallup.com.
Turning to something else,

14. I'm going to read you a list of environmental problems. As I read each one, please tell me if you personally worry about this problem a great deal, a fair amount, only a little, or not at all. First, how much do you personally worry about -- [RANDOM ORDER]?

D. Global Warming or Climate Change

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Note: 2009-2014 WORDING: Global warming
1989-2009 WORDING: The “greenhouse effect” or global warming
2009 results based on combined results using the two different wordings, each asked of a half sample.
19. Next, thinking about the issue of global warming, how well do you feel you understand this issue? Would you say -- very well, fairly well, not very well, or not at all?

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<th>Fairly well</th>
<th>Not very well</th>
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1992-2008 WORDING: Next, thinking about the issue of global warming, sometimes called the "greenhouse effect," how well do you feel you understand this issue -- would you say very well, fairly well, not very well, or not at all?
Which of the following statements reflects your view of when the effects of global warming will begin to happen – [ROTATED: they have already begun to happen, they will start happening within a few years, they will start happening within your lifetime, they will not happen within your lifetime, but they will affect future generations, (or) they will never happen]? 

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<th>Within your lifetime</th>
<th>Not within lifetime, but affect future</th>
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21. Thinking about what is said in the news, in your view is the seriousness of global warming — [ROTATED: generally exaggerated, generally correct, or is it generally underestimated]?  

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</table>

^ Based on half sample.
22. And from what you have heard or read, do you believe increases in the Earth’s temperature over the last century are due more to – [ROTATED: the effects of pollution from human activities (or) natural changes in the environment that are not due to human activities]?

<table>
<thead>
<tr>
<th>Date</th>
<th>Human activities</th>
<th>Natural causes</th>
<th>No opinion</th>
</tr>
</thead>
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</tr>
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</tr>
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<td>4</td>
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<td>3</td>
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<tr>
<td>2013 Mar 7-10</td>
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<td>4</td>
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<td>2012 Mar 8-11</td>
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<td>2003 Mar 3-5</td>
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<td>6</td>
</tr>
<tr>
<td>2001 Mar 5-7</td>
<td>61</td>
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<td>6</td>
</tr>
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</table>

23. Do you think that global warming will pose a serious threat to you or your way of life in your lifetime?

<table>
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<th>Date</th>
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<th>No opinion</th>
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<tbody>
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<td>57</td>
<td>*</td>
</tr>
<tr>
<td>2020 Mar 2-13</td>
<td>45</td>
<td>54</td>
<td>*</td>
</tr>
<tr>
<td>2019 Mar 1-10</td>
<td>45</td>
<td>55</td>
<td>*</td>
</tr>
<tr>
<td>2018 Mar 1-8</td>
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<td>2017 Mar 1-5</td>
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<td>2016 Mar 2-6</td>
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<td>2015 Mar 5-8</td>
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<td>64</td>
<td>1</td>
</tr>
<tr>
<td>2013 Mar 7-10</td>
<td>34</td>
<td>64</td>
<td>1</td>
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<tr>
<td>2012 Mar 8-11</td>
<td>38</td>
<td>61</td>
<td>1</td>
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<td>2010 Mar 4-7</td>
<td>32</td>
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<td>2009 Mar 5-8</td>
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<td>2008 Mar 6-9</td>
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<td>2</td>
</tr>
<tr>
<td>2006 Mar 13-16</td>
<td>35</td>
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<td>2002 Mar 4-7</td>
<td>33</td>
<td>65</td>
<td>2</td>
</tr>
<tr>
<td>2001 Mar 5-7</td>
<td>31</td>
<td>66</td>
<td>3</td>
</tr>
<tr>
<td>1997 Nov 6-9 ^</td>
<td>25</td>
<td>69</td>
<td>6</td>
</tr>
</tbody>
</table>

^ Asked of a half sample.
| QN14D: Worry: Global Warming or Climate Change BY Total + Gender + Race I + Age + Education + Party I.D. + Ideology |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Gender | Race I | Age | Total | Male | Female | White | Non-white | 18-34 | 35-54 | 55+ | College Grad | Some College | HS Grad or Less | Republican | Independent | Democrat | Conservativ e | Moderate | Liberal |
| Unweighted n | 1009 | 548 | 454 | 698 | 285 | 194 | 255 | 541 | 475 | 301 | 223 | 277 | 434 | 275 | 376 | 363 | 244 |
| Weighted n | 1009 | 498 | 499 | 647 | 343 | 275 | 314 | 403 | 357 | 274 | 372 | 251 | 462 | 252 | 346 | 395 | 243 |
| A great deal | 39% | 33% | 44% | 30% | 58% | 49% | 36% | 36% | 43% | 33% | 40% | 8% | 42% | 65% | 18% | 42% | 66% |
| A fair amount | 22% | 21% | 29% | 22% | 21% | 18% | 25% | 22% | 24% | 25% | 18% | 20% | 21% | 25% | 18% | 25% | 22% |
| Only a Little | 18% | 21% | 16% | 23% | 10% | 14% | 19% | 21% | 16% | 17% | 21% | 27% | 19% | 8% | 24% | 17% | 9% |
| Not at all | 21% | 25% | 17% | 25% | 11% | 19% | 21% | 22% | 17% | 25% | 22% | 45% | 18% | 2% | 40% | 16% | 4% |

| QN19: Understand Global Warming BY Total + Gender + Race I + Age + Education + Party I.D. + Ideology |
| Gender | Race I | Age | Total | Male | Female | White | Non-white | 18-34 | 35-54 | 55+ | College Grad | Some College | HS Grad or Less | Republican | Independent | Democrat | Conservativ e | Moderate | Liberal |
| Unweighted n | 1009 | 548 | 454 | 698 | 285 | 194 | 255 | 541 | 475 | 301 | 223 | 277 | 434 | 275 | 376 | 363 | 244 |
| Weighted n | 1009 | 498 | 499 | 647 | 343 | 275 | 314 | 403 | 357 | 274 | 372 | 251 | 462 | 252 | 346 | 395 | 243 |
| Very well | 26% | 29% | 23% | 25% | 20% | 29% | 27% | 27% | 34% | 25% | 19% | 24% | 29% | 24% | 32% | 21% | 28% |
| Fairly well | 56% | 55% | 57% | 61% | 47% | 58% | 53% | 57% | 58% | 58% | 53% | 56% | 53% | 62% | 50% | 60% | 59% |
| Not very well | 16% | 14% | 18% | 12% | 20% | 16% | 13% | 8% | 14% | 25% | 18% | 16% | 14% | 16% | 18% | 11% |
| Not at all | 18% | 7 | 10 | 9 | 8 | 9 | 4 | 6 | 8 | 5 | 11 | 1 | 7 | 5 | 6 |
| (DK)/(Refused) | 1% | 2% | 1% | 2% | 1% | 2% | 2% | 1% | 2% | 2% | 2% | 2% | 0% | 2% | 1% | 2% |

(continued)
### GALLUP POLL SOCIAL SURVEY
March 2023
Public Release Data

#### QN20: Global Warming Timeframe BY Total + Gender + Race I + Age + Education + Party I.D. + Ideology

<table>
<thead>
<tr>
<th>Gender</th>
<th>Race I</th>
<th>Age</th>
<th>Education</th>
<th>Party I.D.</th>
<th>Ideology</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Total</td>
<td>Male</td>
<td>Female</td>
<td>White</td>
<td>Non-white</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Total</td>
<td>Unweighted n</td>
<td>1009</td>
<td>548</td>
<td>454</td>
<td>698</td>
</tr>
<tr>
<td></td>
<td>Weighted n</td>
<td>1009</td>
<td>498</td>
<td>499</td>
<td>647</td>
</tr>
<tr>
<td></td>
<td>They have already begun to happen</td>
<td>66%</td>
<td>54%</td>
<td>64%</td>
<td>56%</td>
</tr>
<tr>
<td></td>
<td>They will start happening within a few years</td>
<td>3%</td>
<td>4%</td>
<td>3%</td>
<td>1%</td>
</tr>
<tr>
<td></td>
<td>They will start happening within your lifetime</td>
<td>8%</td>
<td>8%</td>
<td>8%</td>
<td>7%</td>
</tr>
<tr>
<td></td>
<td>They will not happen within your lifetime, but will affect future generations</td>
<td>17%</td>
<td>20%</td>
<td>15%</td>
<td>20%</td>
</tr>
<tr>
<td></td>
<td>They will never happen</td>
<td>117</td>
<td>70</td>
<td>47</td>
<td>100</td>
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<tr>
<td></td>
<td>12%</td>
<td>14%</td>
<td>9%</td>
<td>15%</td>
<td>4%</td>
</tr>
<tr>
<td></td>
<td>(DK)/(Refused)</td>
<td>5</td>
<td>2</td>
<td>3</td>
<td>5</td>
</tr>
</tbody>
</table>

#### GALLUP POLL SOCIAL SURVEY
March 2023
Public Release Data

#### QN21: Global warming seriousness BY Total + Gender + Race I + Age + Education + Party I.D. + Ideology

<table>
<thead>
<tr>
<th>Gender</th>
<th>Race I</th>
<th>Age</th>
<th>Education</th>
<th>Party I.D.</th>
<th>Ideology</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Total</td>
<td>Male</td>
<td>Female</td>
<td>White</td>
<td>Non-white</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
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<tr>
<td>Total</td>
<td>Unweighted n</td>
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<td>454</td>
<td>698</td>
</tr>
<tr>
<td></td>
<td>Weighted n</td>
<td>1009</td>
<td>498</td>
<td>499</td>
<td>647</td>
</tr>
<tr>
<td></td>
<td>Generally exaggerated</td>
<td>36%</td>
<td>31%</td>
<td>40%</td>
<td>29%</td>
</tr>
<tr>
<td></td>
<td>Generally correct</td>
<td>25%</td>
<td>21%</td>
<td>29%</td>
<td>21%</td>
</tr>
<tr>
<td></td>
<td>Generally underestimated</td>
<td>25%</td>
<td>21%</td>
<td>29%</td>
<td>21%</td>
</tr>
<tr>
<td></td>
<td>(DK)/(Refused)</td>
<td>5</td>
<td>3</td>
<td>2</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>1%</td>
<td>1%</td>
<td>0%</td>
<td>0%</td>
<td>1%</td>
</tr>
<tr>
<td>Gender</td>
<td>Race I</td>
<td>Age</td>
<td>Education</td>
<td>Party I.D.</td>
<td>Ideology</td>
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<td>Total</td>
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</tr>
<tr>
<td></td>
<td>Male</td>
<td>Female</td>
<td>White</td>
<td>Non-white</td>
<td>18-34</td>
</tr>
<tr>
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<td>546</td>
<td>454</td>
<td>686</td>
<td>285</td>
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<tr>
<td>Weighted n</td>
<td>1009</td>
<td>498</td>
<td>499</td>
<td>647</td>
<td>343</td>
</tr>
</tbody>
</table>

The effects of pollution from human activities, (or)

- Male: 629 (66%)
- Female: 281 (56%)
- White: 338 (55%)
- Non-white: 266 (65%)
- 18-34: 198 (65%)
- 35-54: 204 (66%)
- 55+: 219 (47%)
- College Grad: 247 (61%)
- Some College: 161 (21%)
- HS Grad or Less: 217 (9%)
- Republican: 73 (31%)
- Independent: 318 (12%)
- Democrat: 222 (9%)

Natural changes in the environment that are not due to human activities, (or)

- Male: 364 (35%)
- Female: 208 (42%)
- White: 156 (77%)
- Non-white: 284 (72%)
- 18-34: 70 (65%)
- 35-54: 75 (65%)
- 55+: 103 (58%)
- College Grad: 179 (59%)
- Some College: 140 (58%)
- HS Grad or Less: 149 (58%)
- Republican: 174 (57%)
- Independent: 157 (55%)
- Democrat: 25 (25%)

(DK)/(Refused)

- Male: 16 (6%)
- Female: 10 (6%)
- White: 6 (7%)
- Non-white: 7 (8%)
- 18-34: 8 (7%)
- 35-54: 7 (6%)
- 55+: 6 (5%)
- College Grad: 2 (7%)
- Some College: 6 (7%)
- HS Grad or Less: 7 (6%)
- Republican: 2 (7%)
- Independent: 7 (6%)
- Democrat: 4 (6%)

**GALLUP POLL SOCIAL SURVEY**
**March 2023**
**Public Release Data**

**QN23: Global warming: Pose Threat to You in Lifetime BY Total + Gender + Race I + Age + Education + Party I.D. + Ideology**

<table>
<thead>
<tr>
<th>Gender</th>
<th>Race I</th>
<th>Age</th>
<th>Education</th>
<th>Party I.D.</th>
<th>Ideology</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Total</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Male</td>
<td>Female</td>
<td>White</td>
<td>Non-white</td>
<td>18-34</td>
</tr>
<tr>
<td>Unweighted n</td>
<td>1009</td>
<td>498</td>
<td>499</td>
<td>647</td>
<td>343</td>
</tr>
<tr>
<td>Weighted n</td>
<td>1009</td>
<td>498</td>
<td>499</td>
<td>647</td>
<td>343</td>
</tr>
</tbody>
</table>

Yes

- Male: 466 (46%)
- Female: 197 (40%)
- White: 260 (52%)
- Non-white: 225 (53%)
- 18-34: 233 (55%)
- 35-54: 172 (55%)
- 55+: 172 (55%)
- College Grad: 187 (55%)
- Some College: 103 (31%)
- HS Grad or Less: 174 (55%)
- Republican: 44 (25%)
- Independent: 239 (47%)
- Democrat: 169 (95%)

No

- Male: 541 (54%)
- Female: 301 (46%)
- White: 247 (48%)
- Non-white: 421 (52%)
- 18-34: 110 (11%)
- 35-54: 143 (14%)
- 55+: 143 (14%)
- College Grad: 169 (32%)
- Some College: 170 (32%)
- HS Grad or Less: 198 (32%)
- Republican: 207 (32%)
- Independent: 243 (32%)
- Democrat: 251 (32%)

(DK)/(Refused)

- Male: 1 (1%)
- Female: 1 (1%)
- White: 1 (1%)
- Non-white: 1 (1%)
- 18-34: 1 (1%)
- 35-54: 1 (1%)
- 55+: 1 (1%)
- College Grad: 1 (1%)
- Some College: 1 (1%)
- HS Grad or Less: 1 (1%)
- Republican: 1 (1%)
- Independent: 1 (1%)
- Democrat: 1 (1%)

**GALLUP POLL SOCIAL SURVEY**
**March 2023**
**Public Release Data**

**QN22: Earth's Temperature BY Total + Gender + Race I + Age + Education + Party I.D. + Ideology**

Total