

**GALLUP NEWS SERVICE**

**GALLUP POLL SOCIAL SERIES:  
ENVIRONMENT**

**-- FINAL TOPLINE --**

Timberline: 937614  
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March 1-23, 2023

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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  $\pm 4$  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  $\pm 5$  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](mailto:galluphelp@gallup.com).

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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**

	<u>Great deal</u>	<u>Fair amount</u>	<u>Only a little</u>	<u>Not at all</u>	<u>No opinion</u>
2023 Mar 1-23	39	22	18	21	*
2022 Mar 1-18	43	22	18	17	--
2021 Mar 1-15	43	22	18	17	--
2020 Mar 2-13	46	19	15	19	*
2019 Mar 1-10	44	21	15	20	*
2018 Mar 1-8	43	20	18	18	*
2017 Mar 1-5	45	21	18	16	*
2016 Mar 2-6	37	27	17	19	*
2015 Mar 5-8	32	23	21	24	*
2014 Mar 6-9 †	34	22	19	24	*
2013 Mar 7-10 †	33	25	20	23	*
2012 Mar 8-11 †	30	25	22	23	1
2011 Mar 3-6 †	25	26	20	28	1
2010 Mar 4-7 †	28	24	19	29	*
2009 Mar 5-8 † ‡	34	26	20	20	1
2008 Mar 6-9 ‡	37	29	16	17	1
2007 Mar 11-14 ‡	41	24	18	16	1
2006 Mar 13-16 ‡	36	26	21	15	1
2004 Mar 8-11 ‡	26	25	28	19	2
2003 Mar 3-5 ‡	28	30	23	17	2
2002 Mar 4-7 ‡	29	29	23	17	2
2001 Mar 5-7 ‡	33	30	22	13	2
2000 Apr 3-9 ‡	40	32	15	12	1
1999 Apr 13-14 ‡	34	34	18	12	2
1999 Mar 12-14 ‡	28	31	23	16	2
1997 Oct 27-28 ‡	24	26	29	17	4
1991 Apr 11-14 ‡	35	27	22	12	5
1990 Apr 5-8 ‡	30	27	20	16	6
1989 May 4-7 ‡	35	28	18	12	7

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?

	<u>Very well</u>	<u>Fairly well</u>	<u>Not very well</u>	<u>Not at all</u>	<u>No opinion</u>
2023 Mar 1-23	26	56	16	2	*
2022 Mar 1-18	27	55	16	2	--
2021 Mar 1-15	26	57	16	2	*
2020 Mar 2-13	24	59	13	3	*
2019 Mar 1-10	27	53	18	2	1
2018 Mar 1-8	29	52	15	3	*
2017 Mar 1-5	29	50	19	3	*
2016 Mar 2-6	24	55	16	5	*
2015 Mar 5-8	25	52	19	4	*
2014 Mar 6-9	33	51	14	2	--
2013 Mar 7-10	27	52	18	3	*
2012 Mar 8-11	29	55	12	4	*
2011 Mar 3-6	25	55	15	4	1
2010 Mar 4-7	26	56	15	3	*
2008 Mar 6-9	21	59	18	2	*
2007 Mar 11-14	22	54	19	4	*
2006 Mar 13-16	21	53	20	6	*
2005 Mar 7-10	16	54	24	6	*
2004 Mar 8-11	18	50	26	6	*
2003 Mar 3-5	15	53	27	5	--
2002 Mar 4-7	17	52	25	6	*
2001 Mar 5-7	15	54	24	6	1
1997 Nov 6-9	16	45	28	10	1
1992 Jan	11	42	22	22	3

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?

20. 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]?

	<u>Already begun</u>	<u>Within a few years</u>	<u>Within your lifetime</u>	<u>Not within lifetime, but affect future</u>	<u>Will never happen</u>	<u>No opinion</u>
2023 Mar 1-23	60	3	8	17	12	1
2022 Mar 1-18	60	4	8	16	11	1
2021 Mar 1-15	59	4	6	19	10	1
2020 Mar 2-13	61	3	8	17	9	1
2019 Mar 1-10	59	4	9	16	11	1
2018 Mar 1-8	60	4	5	16	12	3
2017 Mar 1-5	62	4	7	16	9	3
2016 Mar 2-6	59	5	9	17	10	1
2015 Mar 5-8	55	3	8	17	16	1
2014 Mar 6-9	54	3	8	16	18	2
2013 Mar 7-10	54	3	9	15	15	3
2012 Mar 8-11	52	4	10	15	15	2
2011 Mar 3-6	49	4	9	17	18	3
2010 Mar 4-7	50	3	10	16	19	2
2009 Mar 5-8	53	5	10	15	16	2
2008 Mar 6-9	61	4	10	13	11	1
2007 Mar 23-25	60	4	7	15	11	3
2007 Mar 11-14	59	3	8	19	8	3
2006 Mar 13-16	58	5	10	15	8	3
2005 Mar 7-10	54	5	10	19	9	3
2004 Mar 8-11	51	5	12	18	11	3
2003 Mar 3-5	51	6	12	17	10	4
2002 Mar 4-7	53	5	13	17	9	3
2001 Mar 5-7	54	4	13	18	7	4
1997 Nov 6-9	48	3	14	19	9	7

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]?

	<u>Generally exaggerated</u>	<u>Generally correct</u>	<u>Generally underestimated</u>	<u>No opinion</u>
2023 Mar 1-23	39	25	36	1
2022 Mar 1-18	38	21	40	1
2021 Mar 1-15	38	22	39	1
2020 Mar 2-13	37	25	38	*
2019 Mar 1-10	35	22	42	1
2018 Mar 1-8	33	25	41	1
2017 Mar 1-5	34	28	35	2
2016 Mar 2-6	34	25	40	2
2015 Mar 5-8	42	21	35	2
2014 Mar 6-9	42	23	33	2
2013 Mar 7-10	41	24	33	2
2012 Mar 8-11	42	24	31	3
2011 Mar 3-6	43	26	29	3
2010 Mar 4-7	48	24	25	3
2009 Mar 5-8	41	29	28	2
2008 Mar 6-9	35	33	29	2
2007 Mar 11-14	33	29	35	4
2006 Mar 13-16	30	28	38	4
2005 Mar 7-10	31	29	35	5
2004 Mar 8-11	38	25	33	4
2003 Mar 3-5	33	29	33	5
2002 Mar 4-7	31	32	32	5
2001 Mar 5-7	30	34	32	4
1997 Nov 6-9 ^	31	34	27	8

^ 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]?

	<u>Human activities</u>	<u>Natural causes</u>	<u>No opinion</u>
2023 Mar 1-23	62	36	2
2022 Mar 1-18	65	34	2
2021 Mar 1-15	64	34	2
2020 Mar 2-13	64	34	2
2019 Mar 1-10	66	31	3
2018 Mar 1-8	64	33	3
2017 Mar 1-5	68	29	3
2016 Mar 2-6	65	31	4
2015 Mar 5-8	55	41	4
2014 Mar 6-9	57	40	3
2013 Mar 7-10	57	39	4
2012 Mar 8-11	53	41	6
2011 Mar 3-6	52	43	5
2010 Mar 4-7	50	46	5
2008 Mar 6-9	58	38	5
2007 Mar 11-14	61	35	5
2006 Mar 13-16	58	36	6
2003 Mar 3-5	61	33	6
2001 Mar 5-7	61	33	6

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

	<u>Yes</u>	<u>No</u>	<u>No opinion</u>
2023 Mar 1-23	46	54	*
2022 Mar 1-18	45	54	1
2021 Mar 1-15	43	57	*
2020 Mar 2-13	45	54	*
2019 Mar 1-10	45	55	*
2018 Mar 1-8	45	54	1
2017 Mar 1-5	42	57	1
2016 Mar 2-6	41	57	2
2015 Mar 5-8	37	62	2
2014 Mar 6-9	36	64	1
2013 Mar 7-10	34	64	1
2012 Mar 8-11	38	61	1
2010 Mar 4-7	32	67	2
2009 Mar 5-8	38	60	2
2008 Mar 6-9	40	58	2
2006 Mar 13-16	35	62	2
2002 Mar 4-7	33	65	2
2001 Mar 5-7	31	66	3
1997 Nov 6-9 ^	25	69	6

^ Asked of a half sample.

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

**QN14D: Worry: Global Warming or Climate Change BY Total + Gender + Race I + Age + Education + Party I.D. + Ideology**

		Gender			Race I		Age			Education			Party I.D.			Ideology		
		Total	Male	Female	White	Non-white	18-34	35-54	55+	College Grad	Some College	HS Grad or Less	Republican	Independent	Democrat	Conservative	Moderate	Liberal
Total	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	482	252	346	395	243
A great deal		395	165	222	193	198	134	112	145	153	92	148	21	202	164	63	166	159
		39%	33%	44%	30%	58%	49%	36%	36%	43%	33%	40%	8%	42%	65%	18%	42%	66%
A fair amount		218	105	113	143	72	49	77	88	84	67	66	51	101	63	61	99	54
		22%	21%	23%	22%	21%	18%	25%	22%	24%	25%	18%	20%	21%	25%	18%	25%	22%
Only a little		184	104	80	146	34	38	60	83	59	48	77	67	90	20	82	69	21
		18%	21%	16%	23%	10%	14%	19%	21%	16%	17%	21%	27%	19%	8%	24%	17%	9%
Not at all		210	124	84	165	38	53	65	87	61	68	80	112	88	6	139	62	9
		21%	25%	17%	25%	11%	19%	21%	22%	17%	25%	22%	45%	18%	2%	40%	16%	4%
(DK)/(Refused)		1	1	-	1	-	1	-	-	1	-	-	-	1	-	1	-	-
		0%	0%	-	0%	-	0%	-	-	0%	-	-	-	0%	-	0%	-	-

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

**QN19: Understand Global Warming BY Total + Gender + Race I + Age + Education + Party I.D. + Ideology**

		Gender			Race I		Age			Education			Party I.D.			Ideology		
		Total	Male	Female	White	Non-white	18-34	35-54	55+	College Grad	Some College	HS Grad or Less	Republican	Independent	Democrat	Conservative	Moderate	Liberal
Total	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	482	252	346	395	243
Very well		264	146	113	164	94	56	90	111	120	70	72	61	138	60	111	83	67
		26%	29%	23%	25%	27%	20%	29%	27%	34%	25%	19%	24%	29%	24%	32%	21%	28%
Fairly well		566	274	287	394	160	159	167	230	206	159	198	140	256	157	172	238	143
		56%	55%	57%	61%	47%	58%	53%	57%	58%	58%	53%	56%	53%	62%	50%	60%	59%
Not very well		161	72	88	79	80	56	51	53	27	39	95	45	76	34	56	70	28
		16%	14%	18%	12%	23%	20%	16%	13%	8%	14%	25%	18%	16%	14%	16%	18%	11%
Not at all		18	7	10	9	8	3	6	9	4	6	8	5	11	1	7	5	5
		2%	1%	2%	1%	2%	1%	2%	2%	1%	2%	2%	2%	2%	0%	2%	1%	2%
(DK)/(Refused)		1	1	-	1	-	-	-	-	1	1	-	-	1	-	1	-	-
		0%	0%	-	0%	-	-	-	0%	0%	-	-	-	0%	-	0%	-	-

**GALLUP POLL SOCIAL SURVEY  
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Public Release Data**

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

		Gender		Race I		Age			Education			Party I.D.			Ideology			
		Total	Male	Female	White	Non-white	18-34	35-54	55+	College Grad	Some College	HS Grad or Less	Republican	Independent	Democrat	Conservative	Moderate	Liberal
Total	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	482	252	346	395	243
They have already begun to happen		603	271	321	362	232	162	197	236	250	156	194	82	296	215	126	261	199
		60%	54%	64%	56%	68%	59%	63%	58%	70%	57%	52%	33%	61%	85%	36%	66%	82%
They will start happening within a few years		35	18	16	9	25	9	15	10	8	9	17	4	22	8	15	11	8
		3%	4%	3%	1%	7%	3%	5%	2%	2%	3%	5%	2%	5%	3%	4%	3%	3%
They will start happening within your lifetime		78	39	39	44	34	38	25	14	26	22	30	17	48	11	26	38	12
		8%	8%	8%	7%	10%	14%	8%	3%	7%	8%	8%	7%	10%	4%	8%	10%	5%
They will not happen within your lifetime, but will affect future generations		171	98	73	126	37	42	39	85	29	54	87	72	73	17	88	61	18
		17%	20%	15%	20%	11%	15%	12%	21%	8%	20%	23%	29%	15%	7%	25%	15%	7%
They will never happen		117	70	47	100	14	22	36	57	41	32	44	74	41	1	87	23	6
		12%	14%	9%	15%	4%	8%	11%	14%	11%	11%	12%	29%	9%	0%	25%	6%	2%
(DK)/(Refused)		5	2	3	5	0	1	2	3	3	2	-	3	2	0	4	1	0
		1%	0%	1%	1%	0%	0%	1%	1%	1%	1%	-	1%	0%	0%	1%	0%	0%

**GALLUP POLL SOCIAL SURVEY  
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Public Release Data**

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

		Gender		Race I		Age			Education			Party I.D.			Ideology			
		Total	Male	Female	White	Non-white	18-34	35-54	55+	College Grad	Some College	HS Grad or Less	Republican	Independent	Democrat	Conservative	Moderate	Liberal
Total	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	482	252	346	395	243
Generally exaggerated		392	237	153	320	62	76	123	183	120	126	144	208	156	19	243	112	27
		39%	48%	31%	49%	18%	28%	39%	45%	34%	46%	39%	83%	32%	7%	70%	28%	11%
Generally correct		254	105	144	137	111	76	73	103	105	53	94	25	129	95	51	113	82
		25%	21%	29%	21%	32%	28%	23%	25%	30%	19%	25%	10%	27%	38%	15%	28%	34%
Generally underestimated		358	153	200	187	168	120	118	116	130	93	132	19	193	137	50	168	134
		36%	31%	40%	29%	49%	44%	37%	29%	36%	34%	36%	7%	40%	54%	15%	42%	55%
(DK)/(Refused)		5	3	2	3	2	3	1	2	2	2	2	-	4	1	2	3	-
		1%	1%	0%	0%	1%	1%	0%	0%	0%	1%	0%	-	1%	0%	0%	1%	-

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

		Gender			Race I		Age			Education			Party I.D.			Ideology		
		Total	Male	Female	White	Non-white	18-34	35-54	55+	College Grad	Some College	HS Grad or Less	Republican	Independent	Democrat	Conservative	Moderate	Liberal
Total	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	482	252	346	395	243
The effects of pollution from human activities, (or)		629	281	338	356	265	198	204	219	247	161	217	73	318	222	117	278	220
		62%	56%	68%	55%	77%	72%	65%	54%	69%	59%	58%	29%	66%	88%	34%	70%	91%
Natural changes in the environment that are not due to human activities, (or)		364	208	156	284	70	75	103	179	104	110	149	174	157	25	222	112	20
		36%	42%	31%	44%	20%	27%	33%	44%	29%	40%	40%	69%	32%	10%	64%	28%	8%
(DK)/(Refused)		16	10	6	7	8	2	7	6	6	4	6	4	7	5	7	6	3
		2%	2%	1%	1%	2%	1%	2%	1%	2%	1%	2%	2%	1%	2%	2%	1%	1%

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

		Gender			Race I		Age			Education			Party I.D.			Ideology		
		Total	Male	Female	White	Non-white	18-34	35-54	55+	College Grad	Some College	HS Grad or Less	Republican	Independent	Democrat	Conservative	Moderate	Liberal
Total	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	482	252	346	395	243
Yes		466	197	260	225	233	162	172	126	187	103	174	44	239	169	95	194	168
		46%	40%	52%	35%	68%	59%	55%	31%	52%	38%	47%	17%	50%	67%	27%	49%	69%
No		541	301	237	421	110	113	143	276	169	170	198	207	243	82	251	200	75
		54%	60%	48%	65%	32%	41%	45%	68%	47%	62%	53%	82%	50%	32%	73%	50%	31%
(DK)/(Refused)		1 -		1	1	0 -	-		1	1	0 -		0 -		1 -		1 -	
		0% -		0%	0%	0% -	-		0%	0%	0% -		0% -		0% -		0% -	