

GALLUP NEWS SERVICE

**GALLUP POLL SOCIAL SERIES:
ENVIRONMENT**

-- FINAL TOPLINE --

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Results are based on telephone interviews conducted March 1-10, 2019 with a random sample of –1,039—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 –538—national adults in Form A, the margin of sampling error is ± 5 percentage points.

For results based on the sample of –501—national adults in Form B, the margins 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 70% cell phone respondents and 30% 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 Survey Sampling International. 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 March 2018 Current Population Survey figures for the aged 18 and older U.S. population. Phone status targets are based on the January-June 2018 National Health Interview Survey. Population density targets are based on the 2010 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.

Next,

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>
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.

17. 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>
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?

18. 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>
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

19. 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>
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.

20. Just your impression, which one of the following statements do you think is most accurate – most scientists believe that global warming is occurring, most scientists believe that global warming is NOT occurring, or most scientists are unsure about whether global warming is occurring or not?

	<u>Is occurring</u>	<u>Not occurring</u>	<u>Unsure</u>	<u>No opinion</u>
2019 Mar 1-10	65	6	26	2
2018 Mar 1-8	66	6	24	4
2017 Mar 1-5	71	5	22	2
2016 Mar 2-6	65	7	25	3
2015 Mar 5-8	62	8	27	3
2014 Mar 6-9	60	8	29	3
2013 Mar 7-10	62	6	28	4
2012 Mar 8-11	58	7	32	3
2011 Mar 3-6	55	8	33	4
2010 Mar 4-7	52	10	36	2
2008 Mar 6-9	65	7	26	3
2006 Mar 13-16	65	3	29	3
2001 Mar 5-7	61	4	30	5
1997 Nov 21-23	48	7	39	6

21. 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>
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

22. 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>
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.

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QN14D: 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	1039	547	492	745	266	187	305	527	448	346	237	306	396	312	397	335	267
	Weighted n	1039	507	532	679	341	272	356	393	336	298	400	274	433	309	390	345	264
A great deal		462	213	249	257	197	146	136	174	163	116	182	32	208	212	92	160	193
		44%	42%	47%	38%	58%	54%	38%	44%	48%	39%	45%	12%	48%	69%	24%	47%	73%
A fair amount		220	90	129	139	76	68	80	71	68	69	82	47	97	70	66	90	55
		21%	18%	24%	20%	22%	25%	22%	18%	20%	23%	20%	17%	22%	23%	17%	26%	21%
Only a Little		152	80	73	118	32	28	61	58	45	44	63	74	58	17	83	51	9
		15%	16%	14%	17%	9%	10%	17%	15%	13%	15%	16%	27%	13%	6%	21%	15%	4%
Not at all		203	124	80	164	37	30	80	88	61	70	73	121	69	9	148	43	8
		20%	24%	15%	24%	11%	11%	22%	22%	18%	23%	18%	44%	16%	3%	38%	13%	3%
(DK)/(Refused)		2	1	1	1	-	-	-	2	0	0	1	0	2	-	2	0	-
		0%	0%	0%	0%	-	-	-	0%	0%	0%	0%	0%	0%	-	0%	0%	-

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QN17: 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	1039	547	492	745	266	187	305	527	448	346	237	306	396	312	397	335	267
	Weighted n	1039	507	532	679	341	272	356	393	336	298	400	274	433	309	390	345	264
Very well		277	150	127	192	78	68	92	111	125	77	75	67	120	85	100	76	91
		27%	30%	24%	28%	23%	25%	26%	28%	37%	26%	19%	25%	28%	28%	26%	22%	34%
Fairly well		547	278	269	370	168	152	184	204	183	176	186	143	231	163	200	190	140
		53%	55%	51%	54%	49%	56%	52%	52%	54%	59%	47%	52%	53%	53%	51%	55%	53%
Not very well		185	65	120	95	88	48	67	64	25	43	116	49	71	56	76	68	30
		18%	13%	23%	14%	26%	18%	19%	16%	8%	15%	29%	18%	16%	18%	20%	20%	12%
Not at all		21	10	10	14	7	4	7	10	2	3	16	6	10	4	9	7	3
		2%	2%	2%	2%	2%	1%	2%	2%	1%	1%	4%	2%	2%	1%	2%	2%	1%
(DK)/(Refused)		9	4	5	9	-	-	5	4	2	-	7	9	-	-	5	3	-
		1%	1%	1%	1%	-	-	1%	1%	0%	-	2%	3%	-	-	1%	1%	-

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QN18: 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	1039	547	492	745	266	187	305	527	448	346	237	306	396	312	397	335	267
	Weighted n	1039	507	532	679	341	272	356	393	336	298	400	274	433	309	390	345	264
Already begun to happen		617	271	346	394	211	169	220	217	243	179	192	98	274	233	150	235	214
		59%	53%	65%	58%	62%	62%	62%	55%	72%	60%	48%	36%	63%	75%	39%	68%	81%
Will start happening in a few years		37	17	20	18	19	12	7	19	5	7	25	5	22	11	14	12	7
		4%	3%	4%	3%	6%	4%	2%	5%	1%	2%	6%	2%	5%	4%	3%	4%	3%
Will start happening within your lifetime		92	51	41	49	43	45	22	23	19	20	53	19	45	26	33	37	17
		9%	10%	8%	7%	13%	16%	6%	6%	6%	7%	13%	7%	10%	8%	9%	11%	6%
Will not happen within your lifetime, but will affect future generations		163	90	73	122	39	33	45	80	32	52	78	70	62	26	97	42	17
		16%	18%	14%	18%	11%	12%	13%	20%	10%	17%	19%	26%	14%	8%	25%	12%	6%
Will never happen		119	70	48	90	25	12	59	46	34	38	46	78	27	10	90	17	8
		11%	14%	9%	13%	7%	4%	17%	12%	10%	13%	12%	29%	6%	3%	23%	5%	3%
(DK)/(Refused)		11	7	3	5	4	1	3	7	3	2	5	4	3	3	6	2	2
		1%	1%	1%	1%	1%	0%	1%	2%	1%	1%	1%	1%	1%	1%	2%	1%	1%

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Public Release Data

QN19: 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	1039	547	492	745	266	187	305	527	448	346	237	306	396	312	397	335	267
	Weighted n	1039	507	532	679	341	272	356	393	336	298	400	274	433	309	390	345	264
Generally exaggerated		367	209	158	287	74	70	149	142	106	108	152	195	133	31	236	88	33
		35%	41%	30%	42%	22%	26%	42%	36%	31%	36%	38%	71%	31%	10%	60%	26%	12%
Generally correct		225	108	117	136	85	58	84	78	83	64	78	35	104	80	54	110	54
		22%	21%	22%	20%	25%	21%	24%	20%	25%	21%	19%	13%	24%	26%	14%	32%	20%
Generally underestimated		432	186	246	249	175	142	119	166	144	125	162	42	188	193	95	143	178
		42%	37%	46%	37%	51%	52%	33%	42%	43%	42%	40%	15%	43%	62%	24%	41%	67%
(DK)/(Refused)		15	4	10	6	7	2	3	6	4	2	8	2	7	5	6	4	0
		1%	1%	2%	1%	2%	1%	1%	2%	1%	1%	2%	1%	2%	2%	1%	1%	0%

GALLUP ENVIRONMENT
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QN20: Global warming occurring 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	1039	547	492	745	266	187	305	527	448	346	237	306	396	312	397	335	267
	Weighted n	1039	507	532	679	341	272	356	393	336	298	400	274	433	309	390	345	264
Most scientists believe that global warming is occurring		678	311	368	437	231	190	230	247	254	191	232	119	279	265	179	255	223
		65%	61%	69%	64%	68%	70%	65%	63%	76%	64%	58%	43%	65%	86%	46%	74%	84%
Most scientists believe that global warming is NOT occurring		62	39	23	47	13	8	28	25	12	24	26	30	22	7	48	10	1
		6%	8%	4%	7%	4%	3%	8%	6%	4%	8%	6%	11%	5%	2%	12%	3%	0%
Most scientists are unsure about whether global warming is occurring or not		275	143	133	179	92	65	94	109	63	80	130	116	118	37	148	72	41
		26%	28%	25%	26%	27%	24%	26%	28%	19%	27%	33%	42%	27%	12%	38%	21%	16%
(DK)/(Refused)		23	15	8	16	6	8	4	12	7	5	12	9	14	0	14	8	-
		2%	3%	2%	2%	2%	3%	1%	3%	2%	2%	3%	3%	3%	0%	4%	2%	-

**GALLUP ENVIRONMENT
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QN21: Increases in the 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	1039	547	492	745	266	187	305	527	448	346	237	306	396	312	397	335	267
	Weighted n	1039	507	532	679	341	272	356	393	336	298	400	274	433	309	390	345	264
The effects of pollution from human activities, (or)		690	317	372	417	262	218	225	239	246	198	243	92	309	274	162	263	241
		66%	63%	70%	61%	77%	80%	63%	61%	73%	66%	61%	34%	71%	89%	41%	76%	91%
Natural changes in the environment that are not due to human activities, (or)		319	174	145	247	69	51	123	137	83	99	136	173	112	30	215	76	19
		31%	34%	27%	36%	20%	19%	35%	35%	25%	33%	34%	63%	26%	10%	55%	22%	7%
Don't know/Refused		30	16	15	16	11	3	7	17	7	1	21	9	12	5	13	5	5
		3%	3%	3%	2%	3%	1%	2%	4%	2%	0%	5%	3%	3%	2%	3%	1%	2%

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QN22: Global Warming Threat to Life 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	1039	547	492	745	266	187	305	527	448	346	237	306	396	312	397	335	267
	Weighted n	1039	507	532	679	341	272	356	393	336	298	400	274	433	309	390	345	264
Yes		467	197	270	242	215	162	159	139	173	111	181	42	207	204	105	163	177
		45%	39%	51%	36%	63%	60%	45%	35%	51%	37%	45%	15%	48%	66%	27%	47%	67%
No		568	309	259	433	126	110	196	250	163	187	217	231	225	102	284	179	88
		55%	61%	49%	64%	37%	40%	55%	64%	48%	63%	54%	84%	52%	33%	73%	52%	33%
(DK)/(Refused)		4	2	3	4	-	-	1	3	1	1	2	1	-	3	1	2	-
		0%	0%	0%	1%	-	-	0%	1%	0%	0%	1%	0%	-	1%	0%	1%	-