



Gas Kitchen Appliances:

A Nationally Representative Multi-Mode Survey

2022 Results

Overview of Methodology

Consumer Reports fielded this Gas Kitchen Appliances Survey to understand the kitchen infrastructure and habits of Americans with regards to cooking with gas stovetops and gas ovens, and the extent to which we protect ourselves from indoor air pollution when using gas appliances. The survey also explores Americans' opinions and attitudes towards different kinds of cooktops. These results are based on interviews conducted April 11, 2022 to April 28, 2022.

The survey was administered by NORC at the University of Chicago through its AmeriSpeak® Panel to a nationally representative sample. Interviews were conducted in English and in Spanish, and were administered both online and by phone. In total, NORC interviewed 4,968 adults, including 2,010 people with a gas stove in their home. Of the 4,968 survey interviews, 4,667 were completed in web mode and 301 by phone mode, 4,849 in English and 119 in Spanish. Final data are weighted by age, gender, race/Hispanic ethnicity, housing tenure, telephone status, education, and Census Division to be proportionally representative of the US adult population.

The margin of error for results based on the total sample is +/-1.8 percentage points at the 95% confidence level. Smaller subgroups will have larger error margins, and only those subgroups for which there are at least 100 unweighted cases are included.

TOPLINE RESULTS

The questions presented below were shown to respondents in this order unless otherwise noted. Where appropriate, question verbiage, response answer choices, or direction of scales were alphabetized, randomized, or rotated. Those instances are noted below.

Prepared by CR Survey Research Department, June 2022

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SURVEY TOPLINES

GAS1. [RANDOMIZE RESPONSE OPTIONS, KEEPING BOTH "ELECTRIC" ITEMS TOGETHER, AND HOLDING "UNSURE" AND "I DO NOT HAVE ANY KITCHEN APPLIANCE WITH BURNERS IN MY HOME" AT END IN THAT ORDER. RESPONDENTS WHO INITIALLY SKIPPED THIS QUESTION WERE PROMPTED TO ANSWER IT.]

Which of the following best describes the type of <u>cooktop or stovetop</u> in the kitchen of the home where you currently live?	
<i>If you have more than one, please tell us about the one that is used most often.</i>	
	Total
	%
Gas (flame burners)	40
Electric (smooth glass heating surface with burner zones)	34
Electric (raised, heated burners)	22
Induction (smooth electromagnetic heating surface with burner zones)	3
I do not have any kitchen appliance with burners in my home	1
Base: All respondents	4,933

Note: the "Unsure" option was shown to respondents but removed for reporting purposes (selected by fewer than 1%).

GAS2. [SHOW IF RESPONDENT HAS ANY KIND OF STOVETOP (GAS1 = EITHER "ELECTRIC" ITEM, "INDUCTION," OR "GAS"). STOVETOP TYPE WAS PIPED INTO THE QUESTION STEM. RANDOMIZE, HOLDING "NO REASON IN PARTICULAR," "I DON'T KNOW ANYTHING ABOUT THE OTHER TYPES OF STOVETOPS," OTHER," AND "I DID NOT SELECT THIS TYPE OF STOVETOP" AT END IN THAT ORDER. "I DID NOT SELECT THIS TYPE OF STOVETOP" IS EXCLUSIVE.]

Which, if any, of the following are reasons why you selected this type of stovetop for your home rather than one of the other types available?	
Please select all that apply.	
	Total
	%
I did not select this type of stovetop - it was in the home already when I moved in	35
Cooks better than other types	25
Easier to clean than other types	21
More attractive design than other types	15
The utilities at my home are only compatible with this type of stovetop	14
More energy efficient than other types	11
No reason in particular	10
Cost less than other types	10
Safer than other types	9
Creates less emissions/air pollution than other types	6
Other	5
I don't know anything about the other types of stovetops	2
Base: All respondents	4,911

GAS3. [SHOW IF RESPONDENT HAS A GAS STOVETOP (GAS1 = "GAS"). RESPONDENTS WHO INITIALLY SKIPPED THIS QUESTION WERE PROMPTED TO ANSWER IT.]

About how often do you, or someone in your household, cook using a gas stovetop?	
	Total
	%
More than once a day	52
Once a day	23
Three to six times a week	17
One or two times a week	5
A few times a month	2
Once a month or less	1
Never or almost never	1
Base: People who have a gas stove	2,010

GAS3B. [SHOW IF RESPONDENT HAS A GAS STOVETOP (GAS1 = "GAS") AND COOKS ON IT AT LEAST SOMETIMES (GAS3 <> "NEVER OR ALMOST NEVER").]

When you, or someone in your household, cooks on your gas stovetop, how many burners are typically turned on at the same time?

*We understand this can vary depending on what you are cooking. Please select the option that is **MOST** common.*

	Total
	%
One burner	40
Two burners	47
Three or more burners	13
Base: People who have a gas stove and who use it at least sometimes	1,993

GAS4. [SHOW IF RESPONDENT HAS A GAS STOVETOP (GAS1 = "GAS") AND COOKS ON IT AT LEAST SOMETIMES (GAS3 <> "NEVER OR ALMOST NEVER").]

While the gas stovetop is in use, about how often are children under the age of 12 in the kitchen?

For this question, this may include times when children are cooking, helping with cooking, or in close proximity while an adult is cooking.

	Total
	%
Always	3
Often	6
Sometimes	11
Rarely	19
Never	27
There are never any children under the age of 12 in my home	35
Base: People who have a gas stove and who use it at least sometimes	1,991

GAS6. [SHOW IF RESPONDENT HAS A GAS STOVETOP (GAS1 = "GAS"). HALF OF THE RESPONDENTS (RANDOMLY SELECTED) WERE SHOWN THE RESPONSE OPTIONS IN REVERSE ORDER.]

Which of the following <u>best</u> describes the layout of the kitchen in your home?	
The kitchen is...	
	Total
	%
Partially enclosed by walls, doors, or cabinetry from other rooms of the home	49
Fully open to other rooms of the home (i.e., "open concept")	38
Fully enclosed by walls, doors, or cabinetry from other rooms of the home	14
Base: People who have a gas stove	2,000

GAS7. [SHOW IF RESPONDENT HAS A GAS STOVETOP (GAS1 = "GAS").]

Is there a vent or hood located near or over the gas stovetop in your kitchen?	
A vent or hood unit is located close to the stovetop and contains a fan.	
	Total
	%
Yes, a dedicated vent or hood	62
Yes, a fan that is part of a microwave only	23
No	15
Base: People who have a gas stove	1,976

Note: An "Unsure" option was shown to respondents but removed for reporting purposes.

GAS8. [SHOW IF RESPONDENT HAS A VENT, HOOD, OR FAN (GAS7 = EITHER "YES" ITEM). RESPONSE OPTIONS "REMOVES AIR" AND "RECIRCULATES" WERE ROTATED RANDOMLY.]

To the best of your knowledge, which of the following describes how the vent or hood for the gas stovetop in your kitchen works?	
	Total
	%
It removes the air and brings it outside of my home	59
It recirculates the air within my home	24
Unsure	17
Base: People who have a gas stove and who have a vent, hood, or fan	1,690

GAS9A. [SHOW IF RESPONDENT HAS A VENT, HOOD, OR FAN (GAS7 = EITHER "YES" ITEM, AND COOKS ON THEIR GAS STOVETOP AT LEAST SOMETIMES (GAS3 <> "NEVER OR ALMOST NEVER"). HALF OF THE RESPONDENTS (RANDOMLY SELECTED) WERE SHOWN THE RESPONSE OPTIONS IN REVERSE ORDER.]

When you, or someone in your household, cooks on your gas stovetop, which of the following best describes how often the vent or hood is turned on?	
	Total
	%
Every time the stovetop is used	16
Oftentimes, but not every time the stovetop is used	31
Only occasionally (for example, if it seems needed when cooking something smoky or greasy)	45
Almost never or never	9
Base: Gas stove owners who have a vent, hood, or fan and who use their gas stove at least sometimes	1,674

GAS9B. [SHOW IF RESPONDENT USES THEIR VENT, HOOD OR FAN AT LEAST SOMETIMES (GAS9A = "EVERY TIME," "OFTENTIMES," OR "ONLY OCCASIONALLY"). HALF OF THE RESPONDENTS (RANDOMLY SELECTED) WERE SHOWN THE RESPONSE OPTIONS IN REVERSE ORDER.]

When the vent or hood is turned on for your gas stovetop, which setting is typically used?	
	Total
	%
High	30
Medium	50
Low	20
Base: People who have a gas stove, who have a vent, hood, or fan, and who use their gas stove at least sometimes	1,520

GAS10. SHOW IF RESPONDENT USES THEIR VENT, HOOD OR FAN AT LEAST SOMETIMES (GAS9A = "EVERY TIME," "OFTENTIMES," OR "ONLY OCCASIONALLY").]

Thinking about times when the vent or hood for your gas stovetop is turned on during cooking, when is the vent typically turned off?	
	Total
	%
Before the stovetop is turned off	8
At the same time that the stovetop is turned off	31
Less than 5 minutes after the stovetop is turned off	35
6 to 10 minutes after the stovetop is turned off	18
11 to 20 minutes after the stovetop is turned off	6
More than 20 minutes after the stovetop is turned off	2
Base: People who have a gas stove and who use the vent or hood at least sometimes	1,517

GAS11. [SHOW IF RESPONDENT HAS A VENT, HOOD, OR FAN (GAS7 = EITHER "YES" ITEM) AND DOES NOT USE IT EVERY TIME (GAS9A <> "EVERY TIME THE STOVETOP IS USED") AND COOKS ON THEIR GAS STOVETOP AT LEAST SOMETIMES (GAS3 <> "NEVER OR ALMOST NEVER"). RANDOMIZE, HOLDING "OTHER" AT END.]

You said you do not always use the vent or hood when cooking on the gas stovetop. Which, if any, of the following are reasons why not?

Please select all that apply.

	Total
	%
There doesn't appear to be anything to vent away	62
It's too noisy	31
I forget to turn it on	24
It doesn't help when I do use it	7
I'm not sure when to use it	6
It's broken	2
Other	8
Base: People who have a gas stove and use it at least sometimes, and who have a vent or hood and don't use it every time	1,402

GAS12. [SHOW IF RESPONDENT HAS A GAS STOVETOP (GAS1 = "GAS") AND COOKS ON IT AT LEAST SOMETIMES (GAS3 <> "NEVER OR ALMOST NEVER").]

When you, or someone in your household, cooks on your gas stovetop, is a window ever opened for ventilation?

	Total
	%
Yes, every time the stovetop is used	7
Yes, oftentimes, but not every time the stovetop is used	16
Yes, only occasionally if it seems needed (for example, if it is smoky)	46
No, never	27
There is no window in or near the kitchen in my home	4
Base: People who have a gas stove and who use it at least sometimes	1,983

GASOVEN1. [SHOW IF RESPONDENT HAS A GAS STOVETOP (GAS1 = "GAS").]

The questions so far in this survey have asked about the gas stovetop in your home (the part of the appliance with burners).

Do you also have a gas oven in your home?

By this, we mean the part of the appliance with a door that opens and is often used for baking.

	Total
	%
Yes, and it is used at least once a week	49
Yes, and it is used less than once a week	25
Yes, but it is never or almost never used	10
No	13
Unsure	3
Base: People who have a gas stove	2,003

GASOVEN2A. [SHOW IF RESPONDENT HAS A GAS OVEN AND USES IT AT LEAST SOMETIMES (GASOVEN1 = "YES, AND IT IS USED AT LEAST ONCE A WEEK" OR "YES, AND IT IS USED LESS THAN ONCE A WEEK"). HALF OF THE RESPONDENTS (RANDOMLY SELECTED) WERE SHOWN THE RESPONSE OPTIONS IN REVERSE ORDER.]

When you, or someone in your household, cooks using your gas oven, which of the following best describes how often the vent or hood is turned on?

	Total
	%
Every time the oven is used	9
Oftentimes, but not every time the oven is used	14
Only occasionally (for example, if it seems needed when cooking something smoky or greasy)	26
Almost never or never turned on	31
There is no vent or hood for the gas oven	20
Base: People who have a gas oven and who use their gas oven at least sometimes	1,493

GASOVEN2B. [SHOW IF RESPONDENT USES THE VENT, HOOD, OR FAN FOR THEIR GAS OVEN AT LEAST SOMETIMES (GASOVEN2A = "EVERY TIME," "OFTENTIMES," OR "ONLY OCCASIONALLY"). HALF OF THE RESPONDENTS (RANDOMLY SELECTED) WERE SHOWN THE RESPONSE OPTIONS IN REVERSE ORDER.]

When the vent or hood is turned on for your <u>gas oven</u> , which setting is <u>typically</u> used?	
	Total
	%
High	24
Medium	51
Low	25
Base: People who have a gas oven and who use the vent or hood at least sometimes	719

GAS5A. [SHOW IF RESPONDENT HAS A GAS STOVETOP (GAS1 = "GAS"). SHOWN AS A GRID WITH GAS5B FOR THOSE WHO ALSO HAVE A GAS OVEN.]

In the <u>past year</u> , have you, or someone in your household, turned on your gas stovetop when not cooking to <u>provide heat</u> to the home?	
	Total
	%
Yes	10
No	91
Base: People who have a gas stove	1,993

GAS5B. [SHOW IF RESPONDENT HAS A GAS OVEN (GASOVEN1 = ANY "YES" ITEM. SHOWN AS A GRID WITH GAS5A.)

In the <u>past year</u> , have you, or someone in your household, turned on your gas oven when not cooking to <u>provide heat</u> to the home?	
	Total
	%
Yes	12
No	88
Base: People who have a gas oven	1,701

GAS13. [RANDOMIZE; "NONE OF THE ABOVE" WAS EXCLUSIVE AND HELD AT END.]

In the past year, which, if any, of the following health issues have you, or someone in your household, experienced?

Please select all that apply.

	Total
	%
None of the above	68
Chronic headaches	14
Asthma	14
Chronic cough	11
Wheezing	9
Base: All respondents	4,968

GAS_INTRO2.

Kitchen appliances that are powered by gas, such as gas ovens and gas stovetop burners, can contribute to poor indoor air quality, if not well ventilated. When in use, gas appliances produce exhaust fumes that contain nitrogen dioxide and carbon monoxide. These emissions can be harmful to the respiratory health of individuals in the home.

GAS14.

Before taking this survey, had you ever heard that gas kitchen appliances can affect air quality in a home?

	Total
	%
Yes	32
Maybe	16
No	52
Base: All respondents	4,959

[GAS15 AND GAS16 WERE SHOWN IN RANDOM ORDER.]

GAS15. [IF RESPONDENT HAS A GAS STOVETOP (GAS1 = "GAS") THEY RECEIVED: "HOW CONCERNED, IF AT ALL, ARE YOU ABOUT THE IMPACT OF GAS KITCHEN APPLIANCES ON YOUR HEALTH AND SAFETY?" IF RESPONDENT DOES NOT HAVE A GAS STOVETOP (GAS1 <> "GAS") THEY RECEIVED: "IN GENERAL, HOW CONCERNED, IF AT ALL, ARE YOU ABOUT THE IMPACT OF GAS KICTHEN APPLIANCES ON THE HEALTH AND SAFETY OF INDIVIDUALS WHO HAVE THEM IN THEIR HOMES?" HALF OF THE RESPONDENTS (RANDOMLY SELECTED) WERE SHOWN THE RESPONSE OPTIONS IN REVERSE ORDER.]

How concerned, if at all, are you about the impact of gas kitchen appliances on your health and safety/the health and safety of individuals who have them in their homes?	
	Total
	%
Very concerned	13
Somewhat concerned	35
Not too concerned	36
Not concerned at all	16
Base: All respondents	4,938

GAS16. [HALF OF THE RESPONDENTS (RANDOMLY SELECTED) WERE SHOWN THE RESPONSE OPTIONS IN REVERSE ORDER.]

How concerned, if at all, are you about the impact of gas kitchen appliances on the environment?	
	Total
	%
Very concerned	12
Somewhat concerned	33
Not too concerned	37
Not concerned at all	18
Base: All respondents	4,922

GAS17. [SHOW IF RESPONDENT HAS ANY KIND OF STOVETOP (GAS1 = EITHER "ELECTRIC" ITEM, "INDUCTION," OR "GAS"). IF RESPONDENT HAS AN ELECTRIC OR INDUCTION STOVETOP (GAS1 = EITHER "ELECTRIC" ITEM OR "INDUCTION") THEY RECEIVE: "HAVE YOU CONVERTED YOUR HOME FROM GAS KITCHEN APPLIANCES TO ELECTRIC APPLIANCES?" IF RESPONDENT HAS A GAS STOVETOP (GAS1 = "GAS") THEY RECEIVE: "WOULD YOU EVER CONSIDER CONVERTING YOUR HOME FROM GAS KITCHEN APPLIANCES TO ELECTRIC APPLIANCES?"]

[Would you ever consider converting/Have you converted] your home from gas kitchen appliances to electric appliances?	
	Total
	%
Yes	28
No	72
Base: All respondents	4,887

GAS17OPENA. [SHOW IF RESPONDENT WOULD CONSIDER CONVERTING OR HAS CONVERTED FROM ELECTRIC KITCHEN APPLIANCES TO GAS (BASED ON GAS17). RESPONDENTS PROVIDED OPEN ENDED COMMENTS IN A FREE TEXT FIELD.]

Please tell us about why you would prefer to have electric kitchen appliances instead of gas appliances.

GAS17OPENB. [SHOW IF RESPONDENT HAS A GAS STOVETOP (GAS1 = "GAS") AND THEY WOULD NOT CONSIDER CONVERTING TO ELECTRIC KITCHEN APPLIANCES (BASED ON GAS17). RESPONDENTS PROVIDED OPEN ENDED COMMENTS IN A FREE TEXT FIELD.]

Please tell us about why you would not consider converting your home from gas kitchen appliances to electric appliances.