Diane and Guilford Glazer Information and Consulting Center

JPPI Israeli Society Index

>> Main Finding

This month, there has been a decline in the proportion of Israelis who think Israel is winning the war. This August 2025 survey report addresses the war in Gaza, confidence in the nation's leadership and in victory, attitudes toward Israel and Israelis, ultra-Orthodox conscription, Arab society, and a general morality index, including comparisons with other countries.

Additional Findings

- A third of Israelis believe reports of famine in Gaza are false; a quarter believe they are true.
- Most Israelis are troubled by the starvation reports a third because they believe it is important that Israel not cause starvation; a fifth because they think it could hinder the continuation of the war.
- Slightly more than half of Israelis support the decision to transfer large-scale humanitarian aid to the Gaza Strip.
- When asked to choose between returning the hostages without removing Hamas from power or continuing the war to achieve both goals, the majority preferred the first option.
- There has been a rise in the proportion of Israelis who feel that Israel is not winning the war.
- A majority of Jewish Israelis believe Hamas is responsible for the lack of a hostage deal; half of Arab Israelis believe the Israeli government is responsible.
- Most Israelis are concerned that Israel will become a pariah state in the West; on the political right, most are not concerned by this.
- Following reports of harassment against Israelis abroad, a fifth now say they are less likely to travel overseas.
- A majority of Jewish Israelis are pessimistic about the future of Diaspora Jewry.
- Half of Jewish Israelis believe that former Knesset Foreign Affairs and Defense Committee chairman Yuli Edelstein was ousted to buy time before deciding on an ultra-Orthodox conscription/exemption law.
- A majority of Arab Israelis believe that Israel has no interest in reducing crime in the Arab sector.
- A significant gap exists between Jewish and Arab Israelis in defining what is morally acceptable regarding various issues.
- Most Israelis say abortion, the death penalty, and physician-assisted suicide are "morally acceptable."
- In Israel, Jewish women are more likely than Jewish men to consider these acts (and same-sex relations) "morally acceptable."
- Jewish men are more likely than Jewish women to say polygamy, speeding, the death penalty for murderers, animal testing, and gambling are morally acceptable.
- Most Israelis believe that global warming exists and is due to human industrial activity.

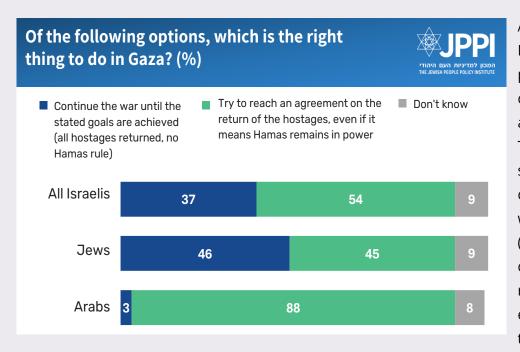


The War in Gaza

On the eve of writing this report, Israel's security cabinet approved the occupation of the Gaza Strip, despite the objections of the opposition parties. The survey, conducted before the vote, examined what the Israeli public thinks should be done regarding Gaza when presented with two theoretical options:

- 1. Try to reach an agreement for the return of the hostages, even at the cost of leaving Hamas in power.
- 2. Continue the war until the stated objectives are achieved (overthrowing Hamas rule and returning all the hostages).

It could well be that both of these options reflect unrealistic scenarios at this stage; however, the survey enables us to track Israeli preferences when faced with the two options, each carrying potentially heavy costs, but offering a possible achievement.



Among the general Israeli public, there is a preference for the option of returning the hostages and ending the war. This preference largely stems from the views Arab respondents, of who overwhelmingly support this (88%)option. Among Jewish respondents, opinion is evenly split: 45% prefer the release of hostages

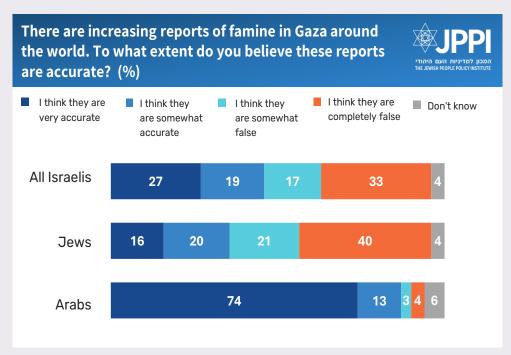
even without removing Hamas from power, while 46% would prefer continuing the war until that goal is achieved (alongside freeing all Hamas-held hostages).

Most who self-identify as left-wing (98%) or centrist (68%) support seeking an agreement to return the hostages, even if Hamas is not overthrown. By contrast, most self-identifying as right-wing (88%) say they support continuing the war if stopping it means Hamas remains in power. Compared to the same question posed two months ago, there is virtually no change in respondent positions.

Prior to the cabinet decision to take control of Gaza City, most public discussion concerning Gaza in recent weeks focused on reports of starvation in the Strip, the decision to deliver large-scale aid there, and international criticism of Israel due to the prevailing situation in the territory. In the media (especially



foreign outlets), there were accounts and reports from various sources describing severe food shortages in parts of Gaza, and according to data from international organizations, the number of Gazans suffering from hunger has been rising. Israel's position throughout this crisis has been that there is no real starvation in Gaza, and that these reports are the product of Hamas propaganda.



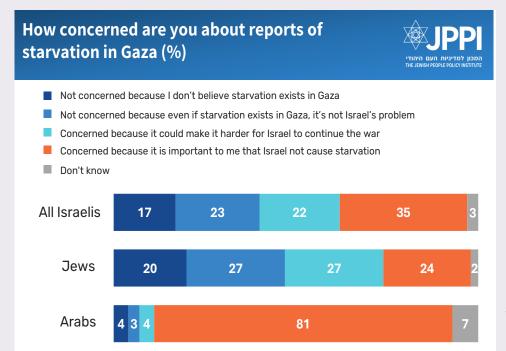
One-third of Israelis (33%) agree with Israel's official position and believe the famine reports from "completely Gaza are false." A quarter (27%) believe that the reports are very accurate, a fifth (19%) think they are somewhat accurate, and another fifth (17%) think they are somewhat false. Significant differences emerge between Jewish and Arab respondents:

an overwhelming majority of Arab Israelis (87%) think the famine reports are accurate (very accurate + somewhat accurate), whereas a majority of Jewish Israelis (61%) believe the reports are inaccurate (completely false + somewhat false).

Broken down by political orientation, most respondents self-identifying as left-wing (including center-left) and centrist believe the famine reports from Gaza are accurate, while most of those self-identifying as right-wing think otherwise. Three in four right-wing respondents (74%) believe the famine reports are completely false. Among center-right respondents, 41% think they are completely false, and an additional 30% think the reports are somewhat false.

Despite the lack of trust among many Israelis in the famine reports, most are nevertheless troubled by them for various reasons. One-third of Israelis are troubled mainly because it is important to them that Israel not cause starvation among Gaza residents; this is the prevailing view among those on the left and center-left. About one-fifth (22%) are troubled by the reports mainly because they "could make it harder for Israel to continue the war," a stance widely held among centrists. A quarter of Israelis (23%) are unconcerned by the reports, and chose the option "even if there is starvation in Gaza, it's not Israel's problem." Another 17% are unconcerned by the reports because they do not believe there is such starvation in Gaza.





On this question as well, there are significant differences between the views of Jewish and Arab respondents - while an overwhelming majority of Arab Israelis (81%) are worried about the situation in Gaza because it is important to them that Israel not cause starvation there, only a quarter of Jews chose this option. Another quarter is worried by the reports due to their

concern about the reports' ramifications for Israel's ability to conduct the war.

Broken down by voting pattern, 41% of Likud voters, quarter Religious Zionism voters, and a quarter of United Torah Judaism voters said they are not troubled by the reports because they do not believe starvation exists in Gaza. By contrast, half of Yesh Atid voters, a third of National Unity voters, and most Labor voters (in the 2022 elections) said they are troubled mainly because it is important to them that

Following reports of starvation in Gaza, Israel has decided to allow large quantities of humanitarian aid to be delivered. Do you support or oppose the delivery of this aid? (%)



	Support	Oppose	Don't know
All Israelis	53	32	15
Jews	44	39	17
Arabs	87	4	9
Left	92	0	8
Center-left	80	5	15
Center	55	23	22
Center-right	35	44	21
Right	16	70	14

Israel not cause starvation in Gaza.

In light of the famine reports and international criticism, in recent weeks, Israel has allowed large quantities of humanitarian aid to be delivered to Gaza. Half of Israelis (53%) support this decision, a third (32%) oppose it, and 15% said they do not know what their position is on this issue. The figure attesting to majority support



among Israelis for the aid delivery is largely due to the stance of Arab respondents, most of whom (87%) support the decision to deliver aid. In the Jewish sector, 44% support the transfer of aid in large quantities, while 39% oppose it.

As one moves along the ideological spectrum from left toward right, the proportion of those opposing the aid increases, and the proportion supporting it decreases. While most of those who self-identify as left-wing and centrist support the decision to allow humanitarian aid into Gaza, most of those in the right-wing cohort oppose it (among those who self-identify as center-right, 44% oppose the aid and 35% support it). It is worth noting that on this question there was a relatively high percentage of respondents who said they didn't know, compared to most of the other questions in the survey.

Confidence in Victory and in the Nation's Leadership



Compared to last month, **IPPI's August Israeli Society** Index shows a rise in the proportion of Israelis who feel that Israel is not winning the war. This downward trend is evident among both Jews and Arabs. A possible explanation is the waning effect of the successful campaign against Iran, whose impact was significant in the run-up to the July survey. Reports of

difficulty in reaching an agreement with Hamas, international criticism of Israel, and uncertainty regarding the next steps have likely contributed to this trend. In recent weeks, in the Arab sector there has been a noticeable increase in willingness to demonstrate against the war and to express critical views on social media, more so than in earlier stages of the fighting.

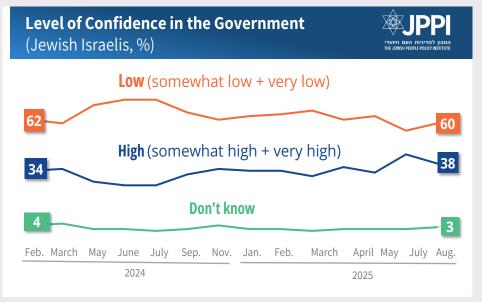
Arabs - August



у	Please rate from 1 ("not at all") to 5 ("completely") the extent to which you feel that Israel is winning and/or has won the war (including all fronts since October 7)? (%)									
		1 – Do not feel that way at all	2	3	4	5 – Feel that way complete				
	Jews - July	10	11	25	35	18				
	Jews - August	15	15	23	33	15				
	Arabs - July	28	18	33	14	8				

16

32



38

Attempts to reach a hostage deal and ceasefire have failed in recent weeks. Of the following options, who do you think bears most responsibility for the failure to reach an agreement? (%) Mainly the Israeli government The Israeli government and Hamas are equally responsible Mainly the US and mediating countries None of these/Don't know 23 47 22 All Israelis **Jews** 15 58 22 53 22 Arabs

In the past month, there has been a decline in the Jewish public's confidence in the government. At present, three in five Jewish Israelis say they do not trust the government, while two out of five say they do. Despite this downturn, the current state of confidence in the government is one of the highest recorded over the past year and a half (the peak was last month, immediately after the Iran campaign). As expected, Arab Israelis' confidence in the government is significantly lower than that among Jewish Israelis: while 60% of Jews say their confidence in the government is low, 83% of Arabs say the same.

8



In recent weeks, renewed efforts were made to advance a deal to release the hostages and achieve a ceasefire in Gaza, but ultimately these efforts failed. The parties involved conducted negotiations mediated by Egypt, Qatar, and the United States; however, it was reported that significant gaps between their positions remained.

Half of Israelis (47%) believe that Hamas bears primary responsibility for the failure to reach an agreement to return the hostages and implement a ceasefire. A quarter say the responsibility lies mainly with the Israeli government, and a fifth think the Israeli government and Hamas are equally responsible. Among Jews, a majority (58%) think Hamas bears most of the responsibility for the failure of the negotiations. By contrast, a majority of Arab Israelis (53%) think the Israeli government is responsible.

Broken down by ideological affiliation, significant gaps emerge in perceptions of responsibility for the failure of the talks: a majority of those in the right-wing and center-right cohorts believe Hamas bears the primary responsibility, while most of those who self-identify as left and center-left consider the Israeli government responsible for the failure, or think the responsibility is evenly divided between Israel and Hamas. Among those who self-identify as centrist, there was no clear consensus – one-third believe Hamas is mainly responsible for the failure, one-third believe the responsibility lies with Israel and Hamas equally, and a quarter think the Israeli government bears most of the responsibility. An overwhelming majority of coalition voters think the efforts failed primarily because of Hamas (United Torah Judaism, 95%; Likud, 89%; Religious Zionism, 88%; Shas, 86%).

Attempts to reach a hostage deal and ceasefire have failed in recent
weeks. Of the following options, who do you think bears most
responsibility for the failure to reach an agreement? (%)



	Mainly the Israeli government		The Israeli government and Hamas are equally responsible	Mainly the US and mediating countries	None of these / don't know
Left	42	8	47	2	2
Center-left	33	15	46	2	4
Center	28	31	34	2	5
Center-right	6	71	18	3	1
Right	2 90		3	4	1



Attitudes Toward Israel and Israelis

In recent weeks, various commentators have expressed growing concern about the erosion of Israel's international standing, and the danger that Israel will become a pariah state in the West. These remarks were made against the backdrop of increasing criticism in international institutions, governments, and Western public opinion polls regarding Israel's Gaza policies.

Most Israeli Israelis are concerned (very concerned + somewhat concerned) about the possibility that Israel will become a pariah state in the West. Conversely, about one-third are not concerned about this possibility. Compared to June, there has been no significant change on this question.

Broken down by ideological affiliation, large majorities of those who self-identify as left-wing (88%), center-left (73%), and centrist (69%) are very concerned about the possibility that the West will shun Israel. By contrast, half of those self-identifying as right-wing are not at all concerned by such a possibility. A similar pattern emerges when broken down by religiosity – the further along the spectrum from secular to religious, the lower the percentage of those concerned about Israel becoming ostracized in the West.

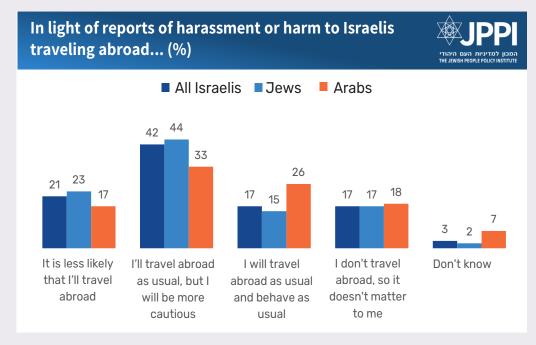
In recent weeks, some have warned of the possibility of Israel becoming a pariah state in the West. Are you concerned or not concerned about such a possibility? (%)



	Very concerned	Somewhat concerned	Somewhat not concerned	Not at all concerned	Don't know
All Israelis - June	40	24	10	26	1
All Israelis - August	40	24	10	24	2
Jews- June	38	25	9	28	0
Jews - August	39	23	10	27	1
Arabs- June	47	21	13	14	4
Arabs - August	42	26	9	15	9

In recent weeks, there have been reports of harassment against Israelis around the world in connection with the ongoing war. In light of these reports, two in five Israelis say they will be traveling abroad "as usual" but "with greater caution." A fifth (21%) say the likelihood of their traveling abroad has decreased, a fifth say they will travel abroad as usual and behave as usual, and another fifth say they will not be traveling abroad in any case, so the security situation for Israelis overseas does not affect their plans at all. About a quarter in





all religious cohorts say the likelihood of their traveling abroad has decreased (except for the ultra-Orthodox). ultra-Orthodox The group has the highest percentage (26%) of respondents who say they would behave as usual when traveling abroad, and also the highest percentage (32%) of those who say

they do not travel abroad at all.

Following these questions, the survey examined the attitudes of Jewish Israelis regarding the future of Diaspora Jewry. Most Jewish Israelis are pessimistic (somewhat pessimistic + very pessimistic) about the future of Diaspora Jewry, while a third are optimistic (somewhat optimistic + very optimistic) about it. Broken down by ideological affiliation, a fifth of those identifying with the right or center report great pessimism about the future of Diaspora Jewry, while between a third and a half express moderate pessimism. In this context, it is worth noting that JPPI's monthly survey of connected American Jews found that a significant proportion of US Jews expressed pessimism regarding "the future of American Jewry." On a scale from -5 to 5, the average score in May 2025 was -0.4, meaning it leaned toward the pessimistic side.

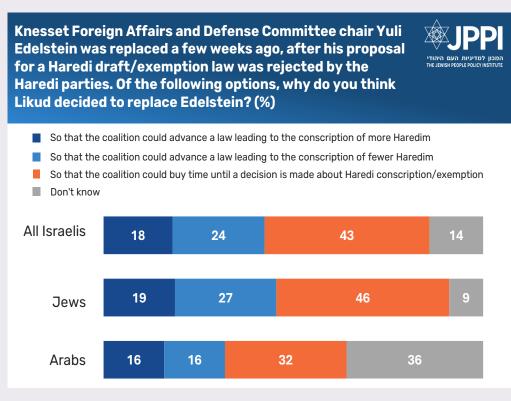
In general, are you Diaspora Jewry?	JPPI				
	Very optimistic	Somewhat optimistic	Somewhat pessimistic	Very pessimistic	Don't know
Jewish Israelis	10	23	40	17	9
Left	10	23	37	13	17
Center-left	7	20	47	15	11
Center	6	21	43	17	13
Center-right	9	23	46	18	4
Right	11	26	34	20	8



Ultra-Orthodox (Haredi) Conscription

A few weeks ago, the coalition ousted the chair of the Knesset Foreign Affairs and Defense Committee, Yuli Edelstein, amid intra-coalition discord over the Haredi draft. Edelstein had advanced a Haredi conscription bill that was rejected by the Haredi factions. Opposition to the bill and the coalition's resulting destabilization (including the withdrawal of the Haredi parties) led to the appointment of MK Boaz Bismuth to replace Edelstein.

Nearly half of Jewish Israelis believe Edelstein was replaced so that the coalition could buy time before deciding what to do regarding a law regulating Haredi conscription/exemption. A quarter believe Edelstein was replaced so the coalition could advance a law leading to the conscription of fewer ultra-Orthodox men, and a fifth believe he was replaced so that the coalition could advance a law leading to the conscription of more ultra-Orthodox men.



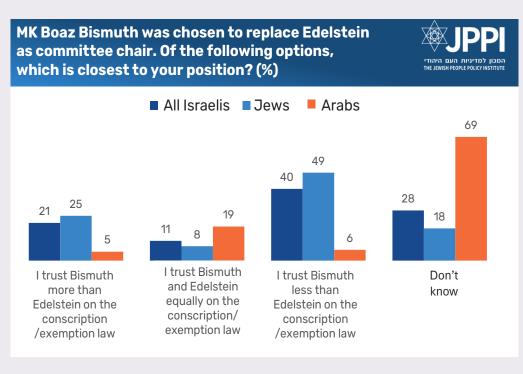
Most of those selfidentifying as left-wing, and half of those who self-identify as centrist or center-right, believe that Likud's decision replace Edelstein was meant to gain additional time the coalition until a decision could be made on the Haredi issue. A quarter of those who identify with the right also share this view. A third of respondents

think Edelstein was replaced so that the coalition could advance a law leading to the conscription of more ultra-Orthodox men.



Broken down by political party affiliation, a third of Likud voters, 46% of Religious Zionism voters, 29% of Shas voters, and 40% of United Torah Judaism voters think Edelstein was replaced to buy time until a decision could be made about Haredi conscription/exemption.

Jewish Israelis by Religiosity Level (%)									
	So that the coalition could advance a law leading to the conscription of more Haredim	So that the coalition could advance a law leading to the conscription of fewer Haredim	So that the coalition could stall for time until a decision is made about Haredi conscription/ exemption	Don't know					
Secular	10	35	50	4					
Traditionalist (Masorti) not religious	20	23	47	10					
Traditionalist (Masorti) slightly religious	20	26	46	8					
Religious (Dati)	22	21	41	16					
Ultra-Orthodox (Haredi)	32	6	47	15					



Half of Jewish Israelis say they trust Bismuth on the conscription/ exemption law issue less than they trusted Edelstein, a quarter trust him more than they trusted Edelstein, tenth trust and а both of them equally. Broken down ideological affiliation, a clear pattern emerges: a majority of those selfidentifying as left-wing,

center-left, and centrist, and half of those self-identifying as center-right, trusted Edelstein more than they trust Bismuth. Half of those in the right-wing cohort trust Bismuth more than Edelstein, an eighth trust both of them equally, and an eighth trust Edelstein more. About a quarter (23%) of those in the right-wing



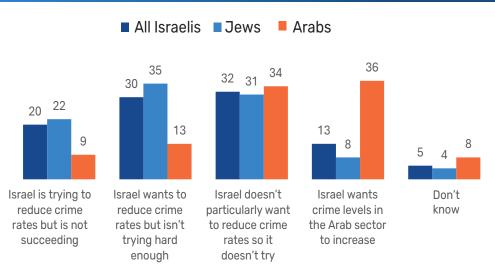
cohort were unable to answer the question, and this respondent group includes a particularly large share of Religious Zionism voters (40% of whom were unable to answer). Among the ultra-Orthodox, a large majority of those expressing an opinion trust Bismuth more (though this group also had a high percentage (35%) with no opinion).

Violence and Rights in Arab Israeli Society

There has been a dramatic rise in recent years in violence and crime rates in Israel's Arab sector, reflected in an increasing number of murders, shootings, extortion incidents, and other criminal activities. This phenomenon has sparked widespread public concern due to its impact on the sense of personal security and on the Israeli social fabric.







A third of Arab Israelis believe that Israel "wants crime rates in the Arab sector to increase." Another third believe that Israel "does not particularly want to reduce crime rates and therefore does not try." An eighth of Arab Israelis think that Israel wants to reduce crime but does not make enough effort, and a tenth feel that Israel is trying to

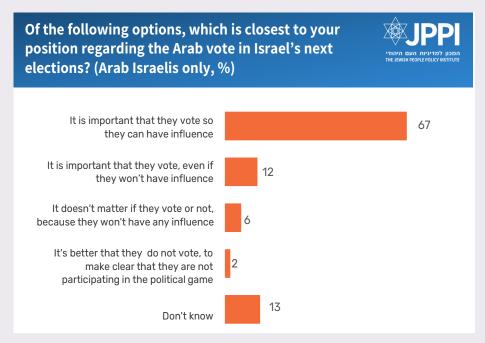
reduce crime but is not succeeding.

Among the Jewish public in Israel, the results are different. Only a small proportion of Jews believe that Israel has an interest in rising Arab-sector crime levels. However, about a third believe that Israel "doesn't particularly want" to lower the sector's crime rate. Only a fifth of Jews believe that Israel "tries" to reduce crime rates but fails.

Broken down by ideological affiliation, a majority self-identifying as left-wing (63%) and center-left (53%) feel that Israel doesn't particularly want to reduce crime in Arab society, and therefore does not try. A quarter of those in the center-right cohort and 14% in the right-wing group share this view. Two in five of those who self-identify as right-wing believe that Israel is trying to reduce Arab-sector crime but is not succeeding.



Nearly half of Likud (47%) and Otzma Yehudit (45%) voters, and a third of Religious Zionism voters believe that Israel is trying to reduce crime rates but is failing. Conversely, 38% of Likud voters, 46% of Religious Zionism voters, and 36% of Otzma Yehudit voters think Israel wants to lower Arab-sector crime rates but is not making enough effort.



Among Arab Israelis, this month we also examined their views on the impact of their vote in the next elections. Two-thirds of Arab Israeli respondents said it's important to vote so they can have influence. One-eighth said it's important to vote even if they won't secure influence. Fewer than one in ten said it doesn't matter whether they vote or not, because they will not have any influence, and a negligible

percentage said it's better if they do not vote, to make it clear they aren't participating in the political game. An eighth indicated that they didn't know how to answer this question.

Israeli Morality

As part of this month's survey, we for the first time examined Israelis' moral attitudes on a range of issues. Respondents were asked to tag a list of topics and actions as "morally acceptable" or "morally wrong," and were explicitly told that the question referred to their moral perception regardless of applicable Israeli law. The data reveals a significant gap in moral perception between Jewish and Arab Israelis on many issues. In general, the percentage of Jews who labeled actions as "morally acceptable" was much higher than the percentage of Arabs in almost every category. The only exception to this pattern concerned paying in cash without an invoice or receipt.

Comparing the attitudes of Jewish Israelis to those of Americans on similar issues examined recently in a Gallup <u>poll</u>, several similarities and differences emerge. Regarding same-sex relations, 51% of Israelis and 64% of Americans feel it is morally acceptable. Regarding married men and women having an affair, 11% of Israelis and 8% of Americans see it as morally acceptable. Regarding medical testing on animals, 45% of Israelis and 47% of Americans consider it morally acceptable.



Jewish Israelis (but not Arab Israelis) regard certain behaviors as morally acceptable at higher rates than do Americans. For example, abortion (65% versus 49%), the death penalty for murderers (64% versus 56%), and physician-assisted suicide for the terminally ill (60% versus 53%). On the other hand, Americans are more inclined than Jewish Israelis to regard polygamy as morally acceptable (21% versus 10% of Jewish Israelis) and, especially, gambling: 63% of Americans consider it morally acceptable, compared to only about a third of Jewish Israelis.

Are the following "morally acceptable"? (%)										
	Gambling	Same-sex relations	Abortion	Medical testing on animals	Cash payment without invoice/ receipt	Death penalty for murderers	Physician- assisted suicide for the terminally ill	Married people having an affair	Speeding	Polygamy
All Israelis	25	51	55	45	22	59	51	11	18	13
Jews	30	61	65	51	20	64	60	13	19	10
Arabs	6	8	13	20	32	40	16	6	10	22
Americans (Gallup 2025)	63	64	49	47	0	56	53	8	0	21

A gender-based disaggregation of data among the Jewish Israeli public reveals significant differences in moral perceptions between women and men. Women are more likely than men to regard certain behaviors as morally acceptable, such as: abortion (78% of women versus 57% of men), same-sex relations (75% versus 52%), and physician-assisted suicide for the terminally ill (70% versus 54%). Conversely, men are more likely than women to view the following as morally acceptable: polygamy (16% of men versus 2% of women), driving above the speed limit (23% versus 14%), the death penalty for murderers (69% versus 56%), medical testing on animals (64% versus 33%), and gambling (34% versus 23%). The only issues on which no major gender disparity among Jewish Israelis are: having an affair while married, and paying in cash without an invoice or receipt.

Are the following "morally acceptable"? (%)										IPPI
	Gambling	Same-sex relations	Abortion	Medical testing on animals	Cash payment without invoice/ receipt	Death penalty for murderers	Physician- assisted suicide for the terminally ill	Married people having an affair	Speeding	Polygamy
Men	34	52	57	64	22	69	54	14	23	16
Women	23	75	78	33	17	56	70	11	14	2



On questions relating to moral perception, as might be expected, significant gaps can be observed along the religiosity spectrum. Within Israel's Jewish population, a large majority of secular and traditionalist respondents believe that same-sex relations are morally acceptable, compared to a minority among religious and Haredi respondents. A higher proportion of secular Jews believe that gambling is morally acceptable, while a lower share of them believe that medical testing on animals is. Significant gaps also exist regarding abortion, physician-assisted suicide, and other issues.

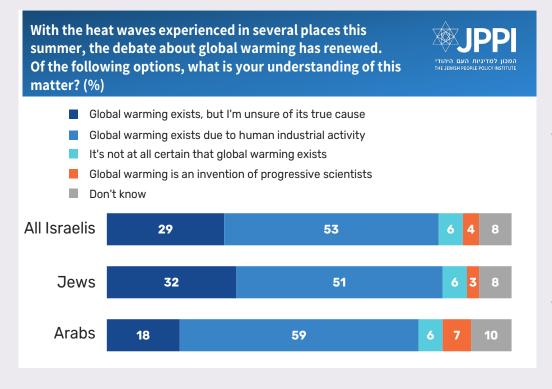
Are the following "morally acceptable"? (%)										JPP המכון למדיניות העם היהודי THE JEWISH PEOPLE POLICY INSTITUTE	
	Gambling	Same-sex relations	Abortion	Medical testing on animals	Cash payment without invoice/ receipt	Death penalty for murderers	Physician- assisted suicide for the terminally ill	Married people having an affair	Speeding	Polygamy	
Secular	38	84	89	42	17	55	86	18	25	9	
Traditionalist (Masorti) not religious	31	64	73	53	17	67	70	11	14	7	
Traditionalist (Masorti) slightly religious	18	66	64	56	20	50	38	2	12	6	
Religious (Dati)	14	21	27	61	18	80	23	1	14	4	
Ultra-Orthodox (Haredi)	18	24	18	68	41	74	15	12	21	24	

Global Warming

This summer's heat waves in various parts of the world have renewed the debate regarding "global warming." Experts and public figures worldwide have voiced concerns about its long-term effects on climate, the environment, and society, and are calling for immediate steps to reduce greenhouse gas emissions and to prepare for the anticipated climate changes. Opposing them are other public figures and experts who argue that the phenomenon is not dangerous, or that humanity cannot realistically counter it at a cost the public can bear.

This month, we examined Israelis' attitudes toward the issue. Half say that according to their understanding, global warming exists and is caused by human industrial activity. A third believe that global warming exists but are unsure of its true cause. A negligible percentage are unsure that global warming exists at all, or believe that it is "an invention of progressive scientists."





Broken down ideological bγ affiliation, most of those selfidentifying as leftwing or centrist, half of those who selfidentify as centerright, and a third of those who selfidentify as right-wing believe that global warming exists and is caused by human industrial activity. In the centrist and

right-wing cohorts, two in five believe that global warming exists but are unsure of its true cause.

Data for JPPI's August Israeli Society Index was collected between July 31 and August 4, 2025. The survey was administered to 791 Israeli respondents, Jews and Arabs. Data was collected through theMadad.com (591 Jewish sector respondents in an online survey) and Afkar Research (200 Arab sector respondents, about half online and half by phone). The data was weighted and analyzed according to voting patterns and religiosity to represent the adult population of Israel. The Index is compiled by Shmuel Rosner and Noah Slepkov. Professor David Steinberg serves as statistical consultant.