

# The Implicit Image of God: God as Reality and Psychological Well-Being

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Research has widely demonstrated that religiosity is related to psychological well-being even in situations of severe illness. To assess religious beliefs, explicit measures have generally been used. In this study, we measured the belief that God is reality as opposed to myth or abstraction by using an implicit technique (the Single Category Implicit Association Test). The study was carried out in Italy, where a large majority of the population is Catholic, and the prevailing image of God is that of a compassionate and supportive father. Participants were cancer patients identifying themselves as believers. As expected, the automatic belief that God is reality (vs. abstraction) was related to beneficial outcomes: lower reported psychophysical anxiety symptoms and a weaker use of avoidance strategies to cope with stress. Thus, also, automatic religious beliefs may affect feelings and behaviors.

**Keywords:** automatic religious beliefs, controlled religious beliefs, anxiety symptoms, coping responses to stress, cancer patients, Single Category Implicit Association Test.

# Introduction

Research has largely shown that religiosity is positively related to the ability to cope with stress, with resilience, and subjective well-being (for a meta-analysis of the relationship between religiosity and psychological adjustment, see Hackney and Sanders 2003; see also Ryan, LaGuardia, and Rawsthome 2005). Furthermore, numerous studies have indicated that believers report higher levels of life satisfaction compared to nonbelievers (Hackney and Sanders 2003). Investigators have also studied the relationship between religion and health. Actually, because many religions advocate a healthy lifestyle, encourage social interactions, and offer optimistic views of a future after death, believers and practicing individuals may be less likely to engage in unhealthy habits, and may enjoy a greater social support that limits the harmful effects of stress (Helm et al. 2000; Levin and Chatters 1998). Regarding the difference between believers and nonbelievers in distress, a recent review by Weber et al. (2012) illustrated how several forms of psychological distress are experienced more by nonbelievers, with one source of distress being negative evaluations from others that are related to difficulties in social life. In a study carried out in Kuwait and the United States, Abdel-Khalek and Lester (2012) discovered that, in both cultures, religiosity was positively related to different measures of subjective well-being and negatively related to depressive symptoms.

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Religious beliefs are particularly functional in response to life's challenges, when individuals have to cope with life stressors. In this connection, Carpenter, Laney, and Mezulis (2012) distinguished between positive religious responses to stress (i.e., partnering with God or looking to God for support and guidance) and negative religious responses to stress (i.e., feeling abandoned by God or anger toward God) to examine the relationships between religious coping, stress, and depressive symptoms; respondents were adolescents recruited from 9th to 12th grade classes (Pacific Northwest). Carpenter and colleagues found that religious coping moderated the relation between stress and depressive symptoms: this relation was stronger when religious coping was negative and weaker when religious coping was positive. Furthermore, Pargament et al. (2001) showed that negative religious coping in elderly patients may be associated with greater risk of mortality. Conversely, it was found that positive religious coping is related to lower levels of distress, less hopelessness, better mental health, higher quality of life, and psychological well-being among elderly patients, and women treated for alcohol and drug addiction (Arévalo, Prado, and Amaro 2008; Pargament et al. 2004). The need for spiritual and religious practices is also emphasized when addressing mourning (see Lichtenthal, Burke, and Neimeyer 2011).

In the context of cancer diagnosis, several studies have revealed that religiosity is positively associated with well-being and life satisfaction, and negatively associated with stress (for a review, see Thuné-Boyle et al. 2006; see also Préau, Bouhnik, and Le Coroller Soriano 2012). Neimeyer et al. (2011), examining patients from 153 American hospices, found that the religious dimension was positively related to various aspects of adjustment to the end of life.

Research has demonstrated that religiosity is positively related to psychological well-being and adjustment even when illness is severe and there is no hope of recovery. The studies performed in this field generally used self-report measures (for an exception, see LaBouff et al. 2010, who developed the first implicit measure of religiousness spirituality). Self-report measures assess conscious, deliberate attitudes and beliefs; however, behaviors, feelings, and choices are also affected by automatic attitudes that are assessed with implicit techniques (see, e.g., the associative-propositional evaluation model by Gawronski and Bodenhausen 2006, 2007).

Automatic attitudes and beliefs are mental associations between an object and its attributes and evaluations. If sufficiently strong, these associations may be activated automatically when encountering or thinking about the object. Automatic attitudes are associated with behavior, although this connection may be weaker when people engage in deliberate evaluations of the object (see Olson and Fazio 2009). According to Gawronski and Bodenhausen (2006), mental associations in memory can be viewed as true or false at the explicit level, namely, there may be inconsistency between associative and propositional processes (e.g., God's existence can be denied at the associative level, but endorsed as true at the deliberate level).

Automatic attitudes and beliefs may derive from early socialization experiences (see Greenwald and Banaji 1995; Rudman, Phelan, and Heppen 2007; Wilson, Lindsey, and Schooler 2000). They may be related to more recent experiences with the target (see, e.g., the research on intergroup contact: Shook and Fazio 2008; Turner, Hewstone, and Voci 2007) or to verbal descriptions of the target (e.g., Gawronski, Walther, and Blank 2005). This means that people who are sincerely convinced that God exists might show automatic associations of God with concepts such as myth and abstraction, as a consequence of beliefs learnt in early socialization. In other cases, the God-reality association, learnt in early socialization, may persist although people explicitly endorse positions that are contrary to the existence of God.

Research has shown that automatic attitudes and beliefs may be related not only to spontaneous actions (e.g., sitting close to a religious symbol like a crucifix) but also to controlled behaviors such as carefully following some medical prescriptions (Greenwald et al. 2009; Rudman 2004). In political psychology, it has been found that the mental association between the self and liberal or conservative concepts was related to moral judgments, such as the importance

assigned to fairness or respect for authority when deciding whether an action is right or wrong (Graham, Haidt, and Nosek 2009). Automatic attitudes toward parties may be associated with voting decisions (see Friese, Bluemke, and Wänke 2007). Therefore, we predicted that automatic religious beliefs would be associated with people's psychological well-being.

To test this hypothesis, we chose to work with cancer patients: a category of persons who need special emotional support to face their illness and the burdensome therapies they are undergoing. In many studies, conducted with different types of cancer, the majority of patients reported, often spontaneously, that religion was a major source of support in dealing with their anguish and pain (Ano and Vasconcelles 2005; Flipp et al. 1990). In cancer patients, religiosity—acting as an anchor—is negatively associated with anxiety and depression (Haghighi 2013) and positively associated with the desire to give meaning to one's suffering (Pargament 1997). In our study, we explored whether also automatic religious beliefs play a role and are associated with greater well-being and better psychological adjustment.

We conducted our study in Italy, where the majority of the population is Catholic (Censis 2013). Although in Italy all religions have equal rights guaranteed by the Constitution, Italians are strongly influenced by the beliefs and traditions of the Catholic Church and are constantly exposed to Catholic symbols, Catholic ceremonies, and media news regarding the Pope. As a consequence, Catholicism is unofficially regarded as a state religion (Bader, Baker, and Molle 2012). Among believers, however, there are different levels of commitment to Catholicism (Bader, Baker, and Molle 2012): some Italian Catholics have, indeed, a strong religious identity, while others are little influenced by the Church and rarely attend religious services. As to the image of God, in Italian Catholicism, God is conceived as a nurturing and compassionate father, willing to help and forgive (Zaccaria 2010).

The sample examined in this study includes cancer patients, almost all Catholics (practicing and nonpracticing). We predicted a negative correlation between the automatic belief that God is reality—and not a construction of the human mind—and anxiety symptoms; in addition, we predicted a positive correlation of the God-as-reality belief with the use of adaptive responses to stress and a negative correlation with the use of nonadaptive responses, such as avoidance of problems. Our predictions may be supported by attachment theory (Bowlby 1969). In the context of this theory, Kirkpatrick and Shaver (1992; see also Rowatt and Kirkpatrick 2002) discovered that God can function as an attachment figure, with secure attachment being related to mental well-being. The God/reality association may favor the perception of God as a secure attachment figure, this perception being negatively related to fear and anxiety. To our knowledge, this is the first time that the relationship between spontaneous, automatic religious beliefs and psychological well-being has been analyzed.

#### METHODS

# Participants and Procedure

We examined 58 cancer patients (14 males and 44 females;  $M_{age}$  = 49.95, SD = 9.97). They were approached in waiting rooms of a cancer institute, and were asked to complete a short paper-and-pen questionnaire and a computerized task; half of the participants first completed the pen-and-paper questionnaire, whereas the other half first completed the computerized task. In terms of religion, 51 respondents declared believing in God, whereas seven were nonbelievers. Of the 51 believers, 46 were Christian (Catholic), four were Jewish, and one participant did not indicate religious affiliation; 22 participants were practicing believers, while 28 were nonpracticing (one participant did not indicate whether he/she was practicing). Regarding the cancer stage, according to the tumor-node-metastasis (TNM) staging system, of the 51 believers—the sample of this study—four were stage I, 15 stage II, 12 stage III, and 20 stage IV.

### Measures

## **Beck Anxiety Inventory**

To assess self-reported anxiety symptoms, we used 18 items of the Italian version (Sica and Ghisi 2007) of the Beck Anxiety Inventory (BAI) (Beck and Steer 1990). Participants were proposed a list of psychophysical symptoms associated with anxiety (e.g., feeling scared, wheezing), and had to rate how much, in the past week, these symptoms had bothered them; the response scale ranged from 1 (not at all) to 4 (very much). A little (2) and rather (3) were the intermediate points. Items were averaged to form a reliable composite score (alpha = .82).

# Coping Responses to Stressful Events

To measure the coping strategies, we used the Italian version (Sica et al. 2008) of the coping orientation to problems experienced scale (Carver, Scheier, and Weintraub 1989), which includes 60 items assessing five coping strategies, namely: social support, avoidance, positive attitude, problem solving, and transcendent orientation. For each item, participants had to indicate how often they engaged in the corresponding behavior when facing a stressful event. Responses were given on a four-point scale (1 = I usually don't do it; 2 = I sometimes do it; 3 = I often do it; 4 = I almost always do it). Twelve items measured social support (alpha = .88), with sample items including: "I discuss my feelings with someone" and "I look for moral support from friends and relatives." Avoidance strategies were measured with 16 items (alpha = .62), for instance: "I refuse to believe that it has happened" and "I drink alcohol or take drugs in order to feel better." Both positive attitude and problem-solving strategies were measured by 12 items (alpha = .75 and alpha = .84, respectively). For positive attitude, sample items include: "I accept that this has happened, and that it can't be changed" and "I force myself to wait for the right time to do something." For problem solving, examples are: "I try to define a strategy of action" and "I prepare a strategy for action." Finally, eight items measured the transcendent orientation (alpha = .77), a coping strategy consisting in a blend of turning to religion (four items) and lack of humor (four items). Sample items for turning to religion are "I put my trust in God" and "I try to find comfort in my religion"; sample items for lack of humor are "I laugh about the situation" (reverse coded) and "I make jokes about it" (reverse coded).<sup>1</sup>

For each coping strategy, we created a composite score, averaging the respective items. For both BAI and the coping strategies, alphas were computed considering only the 51 believers.

## Single Category Implicit Association Test

To assess the association of the concept of God with the two contrasting attributes of abstraction and reality, we used the Single Category Implicit Association Test (SC-IAT) (Karpinski and Steinman 2006), a categorization task that measures the extent to which a target object (in this case God) is associated in memory with target attributes. We used words as stimuli: 10 words represented the concept of God (e.g., God, Almighty), whereas five words represented the attribute of abstraction (e.g., dream, myth) and five the attribute of reality (e.g., reality, objectivity) (for the full list of stimuli, see Table 1).

On the keyboard, the W key was color-coded blue and the P key was color-coded green. In the first practice block, participants responded to 20 practice trials, and had to categorize the abstraction words pressing the blue key and the reality words pressing the green key. This practice block was followed by two other blocks, each consisting of 24 practice trials and 72 experimental trials. In one block, participants were instructed to categorize words representing

<sup>&</sup>lt;sup>1</sup>All four statements measuring turning to religion referred to turning to God or to one's religious beliefs in a time of stress; they did not refer to turning to the faith community. Therefore, these statements could also be endorsed by participants who were not practicing their beliefs.

God words	Altissimo [Almighty], Assoluto [Absolute], Creatore [Creator],
	Dio [God], Divinità [Divinity], Divino [Divine], Eterno
	[Eternal], Iddio [God], Signore [Lord], Supremo [Supreme]
Abstraction words	aspirazione [aspiration], desiderio [desire], mito [myth], sogno
	[dream], speranza [hope]
Reality words	concreto [concrete], esistenza [existence], oggettività
	[objectivity], presenza [presence], realtà [reality]

Table 1: Stimuli used in the Single Category Implicit Association Test

Note: The English translation of the Italian words used as stimuli is reported between brackets.

God or indicating abstraction with the same key (blue) and words indicating reality with the other key (green). God words, abstraction words, and reality words were presented in a 7:7:10 ratio, so that 58 percent of the correct responses were on the blue key and 42 percent on the green key (see Karpinski and Steinman 2006). Therefore, in the practice trials, 7 stimuli related to God, 7 to abstraction, and 10 to reality. In the experimental trials, 21 stimuli represented God, 21 abstraction, and 30 represented reality. In the other block, participants had to categorize words indicating God or reality with the same key (green) and words indicating abstraction with the other key (blue). God words, reality words, and abstraction words were presented in a 7:7:10 ratio. The order of presentation of the God + abstraction and God + reality blocks was counterbalanced across participants.

Category label reminders were positioned on the upper-left and upper-right quadrants of the screen and remained visible throughout the task. Category labels were God/abstraction, placed on the upper-left quadrant of the screen, versus reality, placed on the upper-right quadrant, for the God + abstraction block; they were God/reality, positioned on the upper-right quadrant, versus abstraction (upper-left quadrant), for the God + reality block.

Each stimulus was shown until participants responded or for 1,500 ms. If participants failed to respond within 1,500 ms, a reminder "Please respond more quickly" appeared. During the intertrial stimulus interval (250 ms), a feedback on performance accuracy was provided. Correct answers were followed by a green "O," whereas errors were followed by a red "X." These feedbacks remained on the screen for 150 ms. Stimuli presentations and data collection were controlled by the Inquisit software package (Version 2.0).

## **Preliminary Analyses**

To assess the association between God and reality (vs. abstraction), we calculated the SC-IAT D score (Karpinski and Steinman 2006). Practice trials were not considered; times shorter than 350 ms were eliminated, whereas error responses and nonresponses (i.e., failures to respond within 1,500 ms) were replaced with the block mean plus an error penalty of 400 ms. The mean response time for the God + Reality block was subtracted from the mean response time for the God + Abstraction block; this quantity was then divided by the standard deviation of all correct responses times within the two blocks. Thus, higher D values indicate a stronger association of God with reality than with abstraction.

In data analysis, we excluded 12 participants who gave more than 30 percent of incorrect responses or nonresponses in the experimental blocks. We enlarged the exclusion criterion proposed by Karpinski and Steinman (2006; more than 20 percent of errors or nonresponses), because of the population under study (cancer patients) and the research context (waiting rooms in a hospital). In this way, our final sample included 39 participants. To calculate the reliability of SC-IAT, we computed a difference score for each trial of the experimental blocks, after replacing error latencies and nonresponses with the block mean plus the error penalty of 400 ms; the latency in

the first trial of the God + Reality block was, for instance, subtracted from the latency in the first trial of the God + Abstraction block, this operation being performed for each of the 72 trials. As suggested by Bluemke and Friese (2008), we treated these differences as separate items to obtain Cronbach's alpha, which was .67.

## RESULTS

From the means of variables (see Table 2), it appears that the anxiety symptoms reported by patients were low. Regarding the coping strategies, participants mentioned a quite frequent use of positive attitude, problem solving, and transcendent orientation; a certain use of social support was reported as well. Coping based on avoidance was, in contrast, less frequent.<sup>2</sup> For the automatic association between God and reality (vs. abstraction), the mean of D scores was -.11 (SD = .30), significantly different from zero, t(38) = 2.32, p < .03: participants were quicker and more accurate when categorizing God with abstraction than with reality words. This means that although participants identified themselves as believers, in their mental representation, God was associated more with myth and abstraction than with reality and objectivity.

From correlations (Table 2), it appears that the more participants associated God with reality (positive Ds), the less they felt anxious, and the less they used avoidance as a coping response to stress.<sup>3</sup> To check the robustness of our results, we calculated the 95 percent confidence interval (percentile CI) for the two correlations, using bootstrapping with 1,000 resamples. The 95 percent CI for the correlation between God as reality and anxiety symptoms was [-.586, -.035]; the 95 percent CI for the correlation between God as reality and avoidance coping was [-.590, -.003]. Zero was not included in the two CIs; therefore, we are 95 percent confident that in the population, the correlation between religious beliefs measured by the SC-IAT and anxiety symptoms or avoidance coping is not null (for the interpretation of confidence intervals, see Cumming 2012). Regarding the statistical power of our findings ( $\alpha = .05$  and n = 39), it is .58 (two-tailed) and .70 (one-tailed) for the correlation between religious beliefs measured by SC-IAT and anxiety, it is .55 (two-tailed) and .67 (one-tailed) for the correlation between beliefs measured by SC-IAT and avoidance responses to stress. Statistical power of our data is therefore relatively low. However, we can follow the confidence interval approach, according to which there is a chance of .83 that a 95 percent CI will capture the result (in our case, the correlation) of a single replication of the study (Cumming 2012:120-29; Cumming and Maillardet 2006). Thus, for our significant findings (the negative correlations of automatic beliefs with avoidance responses and anxiety), the probability that a replication of the study will give a nonzero correlation is rather high, equal to .83.

To control for the effects of the background variables and the illness stage, we performed multiple regressions in which D scores, stage of cancer, gender, age, and being practicing (or not) were the predictors, and anxiety symptoms or avoidance strategies were the outcome. The effect of cancer stage and that of the background variables was never significant,  $\beta s < .26$ , ps > .13, whereas the D score was reliably related to anxiety symptoms,  $\beta = -.38$ , p < .03, and to

<sup>&</sup>lt;sup>2</sup>We compared the mean scores of the final sample (39 participants) with those of the 12 participants excluded because of poor performance at the SC-IAT. The difference (anxiety and coping strategies) between the two groups was never significant, ts(49) < 1.12, ps > .26. The two groups did not differ for stage of cancer, t < 1, or the background variables:  $\chi^2 s < 3.30$ , ps > .07, for gender and practicing; t < 1, for age. Thus, the selection performed on the basis of the SC-IAT did not lead to excluding a particular profile of respondents.

 $<sup>^3</sup>$ For the transcendent orientation (coping strategy), we formed a composite score measuring turning to religion (alpha = .94) and a composite score measuring lack of humor (alpha = .83), and tested whether the two scores were differently related to the automatic association of God with reality (D values). Neither turning to religion nor lack of humor was significantly correlated with D scores (rs = .17 and -.01, respectively, ps > .28).

Table 2: Means, standard deviations, and correlations between variables

	M	QS		2	3	4	5	9	7
1. BAI	1.56	.35	I						
2. Coping orientation: Social support	2.44	09:	00.	I					
3. Coping orientation: Avoidance strategies	1.56	.27	*40*	40*	I				
4. Coping orientation: Positive attitude	2.87	.49	29	.22	05	1			
5. Coping orientation: Problem solving	2.76	.61	19	**14.	19	***09	I		
6. Coping orientation: Transcendent orientation	2.88	.62	.13	.27	23	80	.07	I	
7. Automatic God/reality association (D value; SC-IAT)	11	.30	.34*	.13	33*	.12	03	1.	1
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Note: N = 39; \* p < .05; \*\*\* p < .001; \*\*\* p < .001. BAI = Beck Anxiety Inventory. SC-IAT = Single Category Implicit Association Test. For BAI and coping strategies, on the four-point scale, the higher the score, the greater the symptoms of anxiety and the use of the coping strategy. For the SC-IAT, the higher the D value, the stronger the automatic association between God and reality.

avoidance coping,  $\beta = -.35$ , p < .04. The 95 percent bootstrap CI of the regression coefficient was [-.841, -.084] in the first case, and [-.585, -.015] in the second. Both intervals did not include zero; in contrast, for illness stage and the background measures, the CI always included zero. This means that for these variables, there is a chance of .83 that a replication of the study will provide regression coefficients included in an interval that contains zero (Cumming 2012).

#### DISCUSSION

In this study, we examined, for the first time, the automatic association between God and reality (vs. abstraction), and its relationship with positive psychological outcomes, considering cancer patients. Findings showed that the automatic belief that God is reality was related to lower symptoms of anxiety and a weaker use of nonadaptive responses to stress, such as seeking comfort in alcohol or drugs (avoidance coping). Thus, not only deliberate religious evaluations, but also automatic religious evaluations may be related to positive effects for health. Another unique finding of this study was that participants more quickly associated God terms with abstraction than reality terms. This result can reflect either automatic God/abstraction beliefs learnt throughout the lifespan or automatic religious beliefs formed in the course of illness as a consequence of momentary feelings of distrust in the existence of God. What is notable, however, is that the more patients associated God with reality, the less they felt fear and anxiety, and the less they used avoidance to cope with stress.

The goal of the current study was to explore the relationship of automatic religious beliefs with stress and coping responses to stress. However, our findings can be interpreted in light of prominent psychological approaches, such as attachment theory (see Kirkpatrick and Shaver 1992; see also Bradshaw, Ellison, and Marcum 2010; Rowatt and Kirkpatrick 2002). The God/reality association may favor the perception of God as a secure attachment figure; this perception might explain why the automatic belief that God exists is negatively related to anxiety and fear. Future research should investigate the role that attachment orientations play in the relationship between the automatic image of God and psychological well-being.

Our results can also be interpreted on the basis of the construal-level theory (Trope and Liberman 2010). According to Trope and Liberman, psychologically distant objects are represented in abstract terms, while psychologically close objects are represented in concrete terms. In this vein, perceiving God as concrete (vs. abstract) may indicate perceiving God as psychologically close, and this closeness may act as a protective factor against anxiety feelings and stressful events.

We observed an association between automatic religious beliefs and psychological well-being among cancer patients. Although we recognize that our conclusions are limited to this specific category of people, in our view, the beneficial effect of the God-as-reality automatic belief may also concern other categories of people, for instance, psychiatric and human immunodeficiency virus (HIV) patients, or people suffering from chronic and long-standing diseases. It has, in fact, been demonstrated that religion is a powerful resource for these categories of people (see Webb et al. 2011 for psychiatric patients; Kremer and Ironson 2014 for HIV patients; McCullough et al. 2000 for other chronic diseases). Future research is needed to investigate these types of patients; it would also be interesting to explore what happens in healthy people.

Our findings regard participants who self-declare as believers at the explicit level. Future research should investigate the moderator effect of being a believer or a nonbeliever. Probably, the moderation effect is nonsignificant, and the God/reality association is positively related to well-being also for nonbelievers. It would be interesting as well to analyze what categories of people show incoherence between religious beliefs measured with explicit techniques and religious beliefs measured with implicit techniques, as our participants show (for the dissociation between automatic and controlled evaluations, which is often found in research, see Rydell and McConnell

2010). Future studies should finally replicate our findings in different religious contexts. Actually, while we would expect to find similar results in countries where the view of God is similar to that endorsed by Italian Catholics, our findings may be hardly relevant to religions having no singular view of God, like Buddhism and Hinduism. It would also be interesting to see what happens in the context of other monotheistic faiths, such as Islam and Hebraism.

Of the coping strategies, only avoidance was related (negatively) to the automatic belief that God is reality. The correlation of D values with both components of transcendent orientation was, in contrast, nonsignificant. We think that the manifest declaration of turning or not turning to religion, when living a problematic situation, especially concerns people who explicitly declare to be believers or not believers. For the other coping strategies, such as seeking social support or using problem solving, they are probably more related to individual characteristics (e.g., dispositional attachment security, self-efficacy) or other beliefs than to religious beliefs.

A limitation of this study is its correlational design, which does not allow us to draw conclusions on the causal relationship between automatic religious beliefs and psychological adjustment. Future research is needed in which God-as-reality and God-as-abstraction associations are manipulated, and their effects on psychological well-being are measured. In addition, in future works, other implicit techniques could be used. When participants are patients, a good choice would be to use easier-to-perform tasks than the SC-IAT, such as word stems or word fragments completion (see Son Hing, Winnie, and Zanna 2002), in order to avoid the risk of losing a high number of participants as in our study. A final limitation is the small size of the sample, and thus the low statistical power of analyses. Future studies are needed to replicate findings. It is worth noting, however, that our conclusions are rather robust, being supported by both the null hypothesis significance testing approach and the confidence interval approach to statistical inference (Cumming 2012). Regarding our nonsignificant results, they could become significant with a greater statistical power. However, for all the unreliable results, which concern the relationships of coping strategies (except avoidance) with the image of God and the effects of the background variables, the CI always included the zero correlation or the zero regression coefficient. This means that, for these findings, there is a high probability (.83) (Cumming 2012) that a replication of the study will provide values included in an interval that contains zero.

From a practical point of view, our findings allow health-care professionals to single out patients who, more than others, may be vulnerable to distress and maladaptive coping: these are people who do not believe or have discrepant beliefs in God's reality. The former cannot find support in religion either when they deliberately think about God or when God spontaneously comes to mind; the latter have both positive and negative reactions to religious symbols. These categories of patients should be helped in special ways, for instance, by improving their perception of self-efficacy or enhancing the support they receive from family and health-care professionals.

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