

The Psychological Impact of Six Weeks of Lockdown as a Consequence of COVID-19 and the Importance of Social Support: A Cross-Cultural Study Comparing Spanish and Russian Populations

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Background. The COVID-19 pandemic has been an unprecedented social and health emergency worldwide. Cross-cultural research on mental health during this situation is needed to better understand its consequences.

Objective. To evaluate the different psychological impacts of the crisis and lockdown situation during the first six weeks of COVID emergency measures in samples of the Spanish and Russian populations.

Design. A cross-sectional study was conducted through an online survey ($N_{\text{Spain}} = 1041$; $N_{\text{Russia}} = 743$). The prevalence of loneliness, depression, anxiety, perceived discrimination (PD), internalized stigma (IS), and perceived social support (PSS) was evaluated. Chi-square tests and t-tests were administered. The Enter Method were used to identify the predictors of the mental health impact.

Results. Differences were found between the Russian and the Spanish populations. While the degrees of anxiety and depression did not differ significantly, loneliness, the alienation dimension of IS, and PD were more pronounced in the Russian respondents. In Spain, the predictor of less negative impact was PSS from various sources, while in Russia we only found PSS from the family.

Conclusion. Although in both countries the impact at the clinical level seemed to be similar, differences were found at the psychosocial level. Variables with a strong cultural component may be key to determining the means of alleviating the effects of the crisis, with PSS being a fundamental protective factor. More cross-sectional studies are needed to understand the impact of the pandemic in depth.

Keywords: COVID-19; loneliness; mental health; perceived discrimination (PD); internalized stigma (IS); perceived social support (PSS)

Introduction

The alarm generated by COVID-19 has turned into a social and health emergency with political measures and consequences of unprecedented scope throughout the world. In both Spain and Russia, governments have adopted strict confinement measures for the population.

On March 14, 2020 a state of emergency was declared in Spain, and drastic quarantine measures were established for all Spanish citizens. First, citizens were confined to their homes for two weeks, during which time it was only possible to leave home for essential activities (shopping or going to work). The second two-week period was much more restrictive. From March 30 to April 12 there was a total suspension of all non-essential employment activity, which aggravated the already serious economic crisis.

On May 2, after seven weeks, the first steps were taken to partially lift the lockdown. The entire population was allowed to do contact-free sports or take a daily walk. They could be accompanied by only one person with whom they lived, or by a regular caregiver, and the activity had to be within a kilometer of their home. Two months after Spain began the lockdown, the pandemic began to recede, and in half the country the lockdown began to be lifted. After almost 100 days of confinement, Spain already had 246,752 cases, including 28,325 confirmed deaths and more than 150,376 recovered (Ministry of Health, 2020).

In Russia, COVID-19 first broke out on January 31, 2020. In February and March, the first containment measures were introduced by the state administration, with restrictions on the entry of foreign citizens and stateless persons into the country. In his address to the nation on March 25, the President of Russia announced a non-working period from March 30 to April 3 in order to fight the spread of the disease. On March 30, a self-isolation order and restrictions on the movements of Russian citizens were introduced. The order allowed citizens to leave their homes only for valid reasons (which differed slightly from region to region), such as essential workers traveling to work, or individuals going to a pharmacy or the nearest grocery store. Outdoor activities were forbidden for everyone, except for walking pets at no more than 100 meters from the place of residence. The mandatory distance of 1.5 meters between individuals and the mandatory wearing of masks and gloves in public places were also implemented.

As of the start of this study (May 11, 2020) 221,344 cases of coronavirus had been identified in 85 regions of the Russian Federation, according to Rospotrebnadzor (Federal Service for the Oversight of Consumer Protection and Welfare). By this time there were 2,009 registered COVID-19 deaths and 39,801 recoveries (Federal Service for the Oversight of Consumer Protection and Welfare, 2020). After two and a half months of confinement, on June 14, 2020, a gradual lifting of restrictions began. Thus, at the beginning of our study, the numbers of registered cases of infection in Spain and in Russia were approximately comparable, while the number of COVID-19 losses in Spain was 14 times higher than the number of deaths in Russia.

The impact on the population's mental health of pre-Covid-19 quarantines is established; however, there have been few large-scale studies providing significant evidence to account for the effects of quarantine, probably due to the uniqueness of each situation.

In a recent review, Brooks et al. (2020) included 24 studies that addressed the negative effects of quarantine on mental health. Among the major diseases that have led to some form of quarantine in recent years are Severe Acute Respiratory Syndrome (SARS) and Ebola, although the length of the quarantine is unclear in several studies (Blendon, Benson, DesRoches, Raleigh, & Taylor-Clark, 2004; Braunack-Mayer, Tooher, Collins, Street, & Marshall, 2013; Caleo et al., 2018; Liu et al., 2012; Marjanovic, Greenglass, & Coffey, 2007; Mihashi et al., 2009; Pan, Chang, & Yu, 2005; Sprang & Silman, 2013; Wu et al., 2009, n.d.; Yoon, Kim, Ko, & Lee, 2016), and ranges from one week to 21 days in others (Bai et al., 2004; Cava, Fay, Beanlands, McCay, & Wignall, 2005; Desclaux, Badji, Ndione, & Sow, 2017; Hawryluck et al., 2004; Maunder et al., 2003; Pellecchia, Crestani, Decroo, Van den Bergh, & Al-Kourdi, 2015; Robertson, Hershenfield, Grace, & Stewart, 2004; Wang et al., 2011; Wester & Giesecke, 2019; Wilken et al., 2017)

Various studies have indicated that quarantine is associated with increased psychological distress (Taylor, Agho, Stevens, & Raphael, 2008); diagnostic symptoms of post-traumatic stress disorder (PTSD) (Reynolds et al., 2008); depression (Hawryluck et al., 2004); greater levels of stress (DiGiovanni, Conley, Chiu, & Zaborski, 2004); insomnia, irritability, and low mood (Lee, Chan, Chau, Kwok, & Kleinman, 2005); and overall, emotions of fear, nervousness, sadness, and guilt (Reynolds et al., 2008). In a study which compared samples of people in quarantine with control groups, it was observed that psychological distress occurred in 34% of the population in quarantine, compared to 12% of the people who had not been isolated (Taylor et al., 2008). Another study which compared quarantined parents and children with a control group found that the prevalence of PTSD in quarantined parents was up to four times higher (28%) than in non-quarantined parents (6%) (Sprang & Silman, 2013).

One of the groups on which lockdowns have been found to have a great impact is health professionals, in whom acute stress, exhaustivity, irritability, insomnia, lack of concentration, and reduced performance in the workplace have been detected (Bai et al., 2004). Another study reported quarantine as a predictor of PTSD among hospital staff as much as three years later (Wu et al., 2009).

In addition, several factors can influence the effect the emergency and quarantine situation have in impacting mental health. The review by Brooks et al. in 2020 highlighted the following stressors: a long period of quarantine (Hawryluck et al., 2004; Reynolds et al., 2008); fear of infection (Bai et al., 2004; Cava et al., 2005; Desclaux et al., 2017; Hawryluck et al., 2004; Reynolds et al., 2008; Robertson et al., 2004); frustration and boredom; supply issues; and inadequate information (Blendon et al., 2004; Braunack-Mayer et al., 2013; Caleo et al., 2018; Cava et al., 2005; DiGiovanni et al., 2004; Pellecchia et al., 2015; Robertson et al., 2004; Wilken et al., 2017). As subsequent stressors, they pointed to financial losses (Maunder, 2004; Reynolds et al., 2008; Wester & Giesecke, 2019) and the stigma associated with the disease (Cava et al., 2005; Desclaux et al., 2017; DiGiovanni et al., 2004; Hawryluck et al., 2004; Pan et al., 2005; Pellecchia et al., 2015; Reynolds et al., 2008; Robertson et al., 2004; Y. Wang et al., 2011; Wester & Giesecke, 2019; Wilken et al., 2017).

This same review indicated that being a health worker (Reynolds et al., 2008), and having a previous record of mental health problems (Jeong et al., 2016), was

associated with greater psychological difficulties during quarantine. Contradictory results were found regarding other variables, such as age, education, or gender identity (Hawryluck et al., 2004; Taylor et al., 2008).

The impact of quarantine due to COVID-19 on perceived clinical and psychosocial variables seems obvious, with a significant number of studies from different countries now available showing the impact of the pandemic on increased clinical symptoms such as anxiety, depression, post-traumatic stress, and even suicides (González-Sanguino et al., 2020; Huang & Zhao, 2020; Mazza et al., 2020; Pappa et al., 2020; Tanoue et al., 2020; Voitsidis et al., 2020; Wang, Pan, Wan, Tan, Xu, Ho, et al., 2020a; Wang, Pan, Wan, Tan, Xu, McIntyre, et al., 2020b). Furthermore, these studies indicated that being a woman, a student, or presenting physical symptoms or a poor self-rated health status were predictors of a negative psychological impact caused by the situation.

Also of note were an increase in perceived loneliness due to confinement (Banerjee & Rai, 2020; Losada-Baltar et al., 2020), and an increase in the sense of stigmatization and discrimination associated with COVID-19 (He et al., 2020; Singh & Subedi, 2020).

Saltzman et al. (2020) note that after a disaster such as a pandemic, social support and community ties play a crucial protective role in mental health recovery. Wang et al. (2018) indicate that common mental health symptoms following pandemics are exacerbated by loneliness and lack of social support. Furthermore, different studies find that social support is a strong predictor of resilience after a disaster, favors positive adaptation (Hall et al., 2010; Saltzman et al., 2018; Xu & Ou, 2014), and provides protection against the effects of discrimination for different groups (Cristini, Scacchi, Perkins, Santinello, & Vieno, 2011; Seawell, Cutrona & Russell, 2014). Even in the context of COVID-19, it has been demonstrated that PSS reduces the psychological impact of this stressful situation (Lei, Huang, Zhang, Yang, Yang, & Xu, 2020).

Due to the negative consequences and the complexity of the situation resulting from the pandemic, it seems necessary to find methods that can help deal with the situation, such as social support, which empirical evidence has shown has positive effects on health, and serves as a protector in stressful situations (Cohen & Syme, 1985; Molina et al., 2008).

Despite the growing number of publications reporting similar experiences in different countries, there are few cross-sectional studies that allow direct comparison of responses to the pandemic in different nations. The present study aims to evaluate the different psychological impacts of the crisis and lockdown situations during the first six weeks of emergency measures in samples of the Spanish and Russian populations, in hopes of revealing the possible cultural and social aspects that may be mediating these impacts, with social support as a protective factor.

Methods

Our study took place from April 13 to April 27 in Spain (the population had been confined for 4-6 weeks at that time), and from May 7 to May 21 in Russia (the population had been confined for 5-7 weeks at that time). A survey developed by the Spanish team was to be completed online using the Google Forms platform,

with the aim of reaching the maximum population possible (since face-to-face interviews were not possible due to confinement, data had to be collected online). This survey was then translated into English and sent to the Russian team for translation. The study was approved in Spain by the Deontological Commission of the Faculty of Psychology of the Complutense University of Madrid (reference “pr_2019_20_029”), and in Russia by the Ethics Committee of the Faculty of Psychology at Lomonosov Moscow State University (reference No: 2020/37).

The evaluation protocol contained 70 items, and the average time for completion was about seven minutes. It also included a section with information about the research, as well as a consent form authorizing participation in the study and confirming acceptance of the laws regulating protection of personal data [(EU) 2016/679 of the European Parliament and of the Council of 27 April 2016].

Participants

In Spain, recruitment consisted of sending requests for participation to people in the databases of several different institutions: students and workers in public organizations such as the Complutense University of Madrid and the Chair for Stigma (www.contraelestigma.com), and private organizations such as the company Group 5. These databases are broad enough to provide a reasonable sampling of the Spanish population. To increase the sample size as much as possible, participants were asked to send the survey out by email or through various social networks (Twitter, WhatsApp lists, Facebook, etc.). The percentage of people recruited in this way was small, estimated at less than 5%.

In Russia, the study was conducted using *Testograph* (“Тесторграф”), an online survey platform. Respondents were recruited via social networks (Facebook, VKontakte) and personal e-mail newsletters. The final sample, obtained through the snowball effect, was 1041 people in the Spanish sample, and 743 in the Russian sample, made up of the general population and various specific groups.

Inclusion criteria were: 1) being more than 18 years of age; and 2) living in Spain or Russia during the health emergency created by COVID-19.

Procedure

The variables and instruments included in the assessment were the following:

Sociodemographic variables: age (subsequently grouped into clusters 18-39, 40-59, 60-80); sex; relationship (single, a couple not sharing a living space, and a couple sharing a living space); educational level (elementary studies, high school, vocational training, university, postgraduate); profession (social-health, education, administration, commercial, and others, such as transport, communications, or tourism); employment situation (working, unemployed, student, retired, unpaid domestic work, other); economic situation (subjective perception from very bad to very good); importance of religious beliefs; and presence of a medical diagnosis (psychiatric and mental health problems, cardiovascular, neurological, respiratory, or other diseases).

Variables related to COVID-19: suffering from symptoms (yes, no); positive or negative diagnosis; hospital admission; existence or not of family members or close relatives who are infected; living with an infected person; perception of the

information received on the emergency (whether he/she felt he/she had sufficient information, or was overinformed); and work situation (obliged to go to his/her work center or able to work from home).

Psychosocial variables: *Loneliness* was measured by the 3-item version of the UCLA Loneliness Scale (UCLA-3) (Russell, 1996). The three items in Likert-type format with three response options (1 = rarely, 2 = sometimes, 3 = often) addressed three dimensions of loneliness: relational connectedness, social connectedness, and self-perceived isolation. A single question on loneliness was also included (Campaign to End Loneliness, 2015): “For the past week, have you been feeling lonely?” Respondents were given the choice of 1 = hardly ever (less than 1 day); 2 = sometimes or a small part of the time (1–2 days); 3 = quite a long time (3–4 days); or 4 = all the time (5–7 days).

Perceived Intersectional Discrimination was evaluated by means of the Intersectional Day-to-Day Discrimination Index (InDI-D) (Scheim & Bauer, 2019). This scale provides a measure of the intersectional discrimination that can be caused by different conditions: sex, ethnicity, mental health diagnosis, and in this case, the presence of COVID-19. We used the main scale formed by 9 Likert-type items with four response options (1 = never to 4 = many times). The different questions evaluated the presence of intersectional discrimination from the beginning of the emergency generated by the coronavirus. The higher the score, the more discrimination suffered.

The emotional dimension of *Internalized stigma* (IS) was evaluated with one item adapted from the Internalized Stigma of Mental Illness (ISMI) (Ritsher et al., 2003), 1-alienation-item-ISMI (“*Since the emergency situation generated by the coronavirus, have you felt that the people who aren’t in your situation can’t understand you?*”).

Perceived social support (PSS) was evaluated by means of the Multidimensional Scale of Perceived Social Support (MSPSS) (Zimet et al., 1988). The scale, made up of 12 Likert-type items with 7 response alternatives (1 = totally disagree to 7 = totally agree), evaluates the levels of perceived social support, identifying where the support comes from and how it is perceived.

Clinical variables: *Depression* was assessed through the Patient Health Questionnaire 2 (PHQ-2) (Kroenke et al., 2009). This brief self-report questionnaire addresses the frequency of depressive symptoms. It consists of two Likert-type questions with options ranging from 0 = never to 3 = every day. Higher scores indicate more symptomatology, providing a severity range of 0 to 6, and establishing the cut-off at >3 points as a possible case of depression (Muñoz-Navarro et al., 2017). *Anxiety* was measured through the Generalized Anxiety Disorder Scale (GAD-2) (Spitzer et al., 2006), which includes the first two items of the GAD-7 Likert format, with a maximum score of 6 points. The cut-off point in this case is 3, above which the possibility of detecting possible cases of anxiety is indicated (Muñoz-Navarro et al., 2017).

Analysis

Frequencies and percentages were calculated for the socio-demographic variables, and means with their confidence intervals (95%) were calculated for loneliness, depression, anxiety, discrimination, internalized stigma, and perceived social sup-

port variables. To compare the values obtained between the two countries, chi-square tests and t-tests were administered respectively. To identify the predictors of mental health disorders, the Enter method was used. The p-values of all tests were adjusted with the Bonferroni correction. Analysis and graphs were developed using R (v3.5.6) with the nlme package.

Results

Characteristics of Both Samples: Sociodemographic Composition and Variables Related to COVID-19

Both samples seemed equivalent in their sociodemographic composition, with a similar proportion of men and women (81% of women in Spain versus 84% in Russia; padj = 0.95). The average age of the samples was similar: 39.36 in Spain and 38.41 in Russia. Although in other variables the chi-square tests detected differences, these seemed to be minimal, and were due more to an excess of sensitivity due to the size of the sample; there were very similar percentages between both countries in marital status, couple status, employment situation, and age distribution.

The only noteworthy differences were in work situation, with a higher percentage of people working in Russia (72%) than in Spain (58%); marital status, with a higher percentage of single people in Spain (52% in Spain and 27% in Russia); and perceived economic situation, with 11% of the Spanish sample and 33% of the Russian sample considering it to be bad or very bad.

As for the variables of employment during COVID-19, COVID-19 symptoms, COVID-19 diagnosis, and living with someone infected, the two samples were equivalent. Differences in the composition of the two samples were found in the variables COVID-19 relative diagnosis and information received about COVID-19. *Table 1* shows the frequencies and percentages for the socio-demographic and Covid-19 related variables.

Table 1

Sociodemographic and Covid-19 related variables of the Spanish and Russian samples

		Spain (N, %)	Russia (N, %)	Padj
Sex	Male	202 (0.19)	116 (0.16)	0.945
	Female	841 (0.81)	615 (0.84)	
Marital status	Single	542 (0.52)	175 (0.27)	<0.001***
	Married	386 (0.37)	343 (0.52)	
	Divorced	82 (0.08)	122 (0.19)	
	Separate	28 (0.03)	6 (0.01)	
	Widowed	7 (0.01)	13 (0.02)	
Relationship	Without partner	265 (0.25)	222 (0.31)	0.140
	Couple no sharing	195 (0.19)	105 (0.15)	
	Couple sharing	585 (0.56)	386 (0.54)	

		Spain (N, %)	Russia (N, %)	P _{adj}
Education	Elementary	15 (0.01)	0 (0.00)	<0.001***
	High school	149 (0.14)	83 (0.11)	
	Vocational training	125 (0.12)	0 (0.0)	
	University	401 (0.38)	554 (0.75)	
	Postgraduate (Master or PhD.)	355 (0.34)	59 (0.08)	
Work situation	Unemployed	92 (0.09)	79 (0.11)	<0.001***
	Student	180 (0.17)	63 (0.09)	
	Working	604 (0.58)	522 (0.72)	
	Retired	48 (0.05)	36 (0.05)	
	Other	120 (0.11)	27 (0.04)	
Age	18–30	306 (0.29)	192 (0.26)	<0.01**
	31–59	670 (0.64)	519 (0.71)	
	60–80	69 (0.07)	20 (0.03)	
Employment during COVID-19	Non applicable	427 (0.41)	286 (0.39)	1.000
	Face-to-face work	148 (0.14)	129 (0.18)	
	Work from home	470 (0.45)	316 (0.43)	
COVID-19 symptoms	No	836 (0.8)	615 (0.84)	0.438
	Yes	209 (0.2)	116 (0.16)	
COVID-19 diagnosis	No	1030 (0.99)	720 (0.98)	1.000
	Yes	15 (0.01)	11 (0.02)	
COVID-19 relative diagnosis	No	638 (0.61)	585 (0.8)	<0.001***
	Yes	407 (0.39)	146 (0.2)	
Living with someone infected	No	1016 (0.97)	718 (0.98)	1.000
	Yes	29 (0.03)	13 (0.02)	
Information received about COVID-19	Not enough	184 (0.18)	367 (0.5)	<0.001***
	Good	594 (0.57)	234 (0.32)	
	Overinformed	267 (0.26)	130 (0.18)	

* $p < 0.05$; ** $p < 0.01$; *** $p < 0.001$

Comparison on Clinical and Psychosocial Variables

The Spanish sample showed higher scores in depressive (PHQ-2) and anxiety symptoms (GAD-2), although these differences were not statistically significant. In relation to the psychosocial variables, the average scores on both the measures

of loneliness (single item on Loneliness and UCLA-3) and the stigma-related variables (perceived intersectional discrimination, measured by InDI-D, and internalized stigma, measured by ISMI) showed higher scores in the Russian sample. Regarding social support (EMAS), significantly higher scores were found in the Spanish sample overall and in all subscales. Table 2 shows the means and their confidence intervals (95%) on the clinical and psychosocial variables. These results can also be observed in Figure 1.

Table 2

Means and their confidence intervals (95%) on clinical and psychosocial variables of the Spanish and Russian sample

	Spain	Russia	padj
PHQ-2	1.81 (1.72;1.89)	1.62 (1.49;1.75)	0.254
GAD-2	1.8 (1.7;1.89)	1.77 (1.64;1.91)	1.000
UCLA-3	4.53 (4.43;4.63)	5.06 (4.92;5.21)	<0.001***
Discrimination (InDI-D)	1.22 (1.09;1.34)	2.5 (2.28;2.73)	<0.001***
Emotional internalized stigma (1-alienation-item-ISMI)	1.46 (1.34;1.49)	1.66 (1.7;1.65)	<0.001***
MSPSS Friends	23.45 (23.15;23.75)	19.41 (18.97;19.84)	<0.001***
MSPSS Family	23.22 (22.9;23.54)	21.37 (20.95;21.8)	<0.001***
MSPSS Significant Others	23.95 (23.62;24.27)	21.05 (20.6;21.5)	<0.001***
Social support (MSPSS Total)	70.62 (69.81;71.42)	61.83 (60.68;62.97)	<0.001***

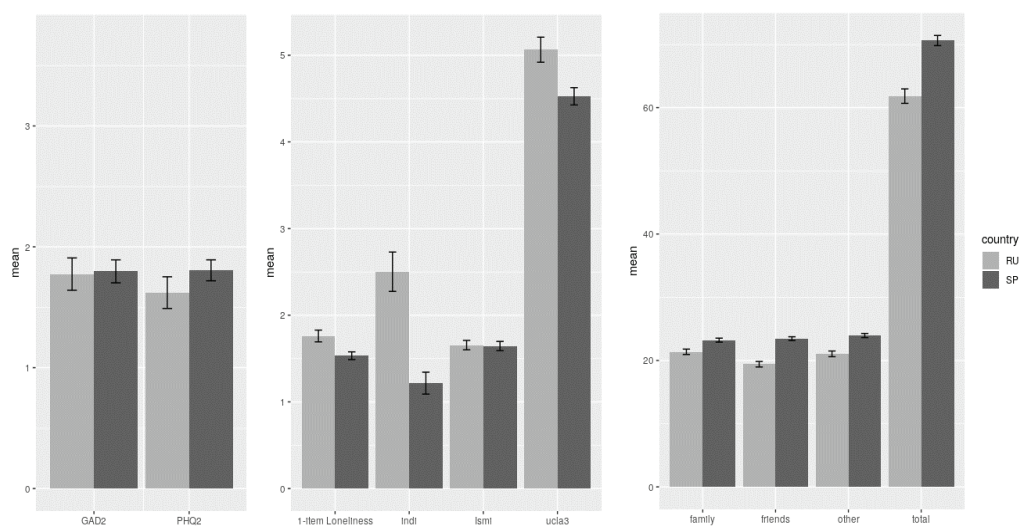


Figure 1. Differences between the Spanish and Russian samples in clinical and psychosocial variables

Table 3
 Regression models of the dependence of the variables of perceived support from different sources

	Characteristics of the model						Regression model								
	ANOVA			Constant			Significant others			Family			Friends		
	F	P	t	P	t	P	t	P	t	P	t	P	t	P	
	R														
	0.311	26.0311	<0.001	25.761	<0.001***	-0.472	0.637	-3.797	<0.001***	-0.960	0.338				
	0.225	12.968	<0.001	11.610	<0.001***	-0.658	0.510	-4.030	<0.001***	1.084	0.279				
	0.298	23.551	<0.001	14.446	<0.001***	-0.745	0.457	-3.675	<0.001***	-0.714	0.476				
	0.239	14.637	<0.001	11.471	<0.001***	-1.132	0.258	-3.989	<0.001***	0.999	0.318				
	0.252	16.413	<0.001	21.812	<0.001***	-1.370	0.171	-3.092	0.002**	-0.206	0.837				
	0.474	100.317	<0.001	34.409	<0.001***	-3.222	0.001**	-5.285	<0.001***	-5.357	<0.001***				
	0.370	55.182	<0.001	19.798	<0.001***	-2.022	0.043*	-4.677	<0.001***	-3.411	0.001**				
	0.271	27.522	<0.001	15.259	<0.001***	-1.274	0.203	-3.471	0.001**	-2.319	0.021*				
	0.301	34.490	<0.001	11.549	<0.001***	-0.590	0.555	-7.343	<0.001***	1.243	0.214				
	0.297	33.443	<0.001	22.381	<0.001***	-1.058	0.290	-5.278	<0.001***	-1.115	0.265				

Regression Analysis on the Perceived Social Support

Using regression analysis (Enter method), we looked at which sources of perceived social support were predictors of lesser loneliness, depression, anxiety, discrimination, and internalized stigma in participants from Spain and Russia. For the Russian sample, the predictor for a reduced rate of depression and anxiety, as well as loneliness, discrimination, and stigmatization was perceived social support from only one of the three possible sources — the family. Perceived support from other sources (friends and significant others) was not significantly related to any of the variables under study.

By contrast, for the Spanish sample, the relationship between perceived social support and the variables under study was more diverse: 1) the predictor of less pronounced loneliness and depression was perceived social support from all three sources: significant others, family, and friends; 2) the predictor of less pronounced anxiety was the perceived support from family and friends; 3) perceived social support from the family was a predictor of less pronounced discrimination and stigma; and 4) family support was associated with a decrease in loneliness, depression, anxiety, discrimination, and internalized stigma. These results are shown in *Table 3*.

Discussion

This study highlights the consequences of the COVID-19 pandemic on various variables in a way consistent with previous research, which showed the impact of the crisis situation in different countries on increasing symptoms of anxiety or depression (Gonzalez-Sanguino et al., 2020; Wang et al., 2020a; Wang et al., 2020b; Mazza et al., 2020; Pappa et al., 2020; Voitsidis et al., 2020; Tanoue et al., 2020); increasing perceived loneliness (Banerjee & Rai, 2020; Losada-Baltar et al., 2020); and increasing the appearance of stigmatization (Singh & Subedi, 2020; He et al., 2020). The results of this cross-cultural study revealed differences in the psychosocial variables between the participants from Spain and Russia during the global crisis associated with the spread of COVID-19 in the first six weeks of the lockdown, as well as with the specifics of social support in this context.

Clinical variables such as depression and anxiety in the two countries did not differ significantly (although they were slightly higher in Spain), so this may indicate that the impact of the pandemic and the response at a clinical level have been similar in both countries. However, this assertion should be made with caution, since our research does not have pre-pandemic measures for comparison. Previous studies suggest that the prevalence and incidence of anxiety and depression were not equivalent in both countries previously, with a slightly higher proportion of the Spanish population exhibiting depressive and anxiety disorders (Institute for Health Metrics and Evaluation - IHME, 2017) than in Russia; this is also consistent with the slightly higher results in the Spanish sample.

The main differences between the two countries were found in the psychosocial variables, with the level of loneliness and stigma-related variables (perceived inter-sectional discrimination and 1-alienation-item-of internalized stigma) significant-

ly higher in the Russian sample, and perceived social support from family, friends and others significantly higher in the Spanish respondents.

These results may reflect certain cultural differences between the two countries, which, in times of a crisis, can affect the resources available to cope with the situation. Spain is a country where social relations play a key role, which has strong social networks, and where much attention is paid to family and other interpersonal relationships. These strong interpersonal and intergroup connections can protect an individual from feeling lonely and can prevent the feelings of being discriminated against and stigmatized, thus explaining the lower scores in the loneliness variables and stigma-related variables.

The differences between the two countries in the values of perceived intersectional discrimination could be explained by possible differences between the two countries in their valuations of different races, gender, disability, sexual orientation, or other status. The analysis by Ugidos et al. (2020) on the impact of COVID-19 on intersectional discrimination and stigma, found that the variables that best predict perceived intersectional discrimination and internalized stigma are depression and anxiety, and less family support. These authors note that these results could be explained by the fact that family support is a protective variable, allowing people to feel included in a family nucleus, and thus can buffer the harmful effects of stressful events by providing a sense of acceptance and self-worth, and reducing internalized stigma.

This explanation is also compatible with the results found in the differences in social support, where, significantly, the Spanish population showed it felt more supported by relatives, friends, and other sources.

In both countries, perceived social support acted as a buffer to mitigate the impact of the pandemic and the required containment measures on mental health, although there were differences between the two: in Russia only family support was significant, while in Spain, although family was the main protective source, friends and other sources were also significant protectors against loneliness. Perhaps this is also a sign of differences at the cultural level, where in Russia the family has a more important value and has perhaps been more accessible (higher percentage of married people) than friends in this crisis situation.

On the other hand, other cultural differences that might have been a determining factor in the differences in outcomes would be the respective governments' management of the crisis, with different styles of communication and transmission of information, as well as possible differences in the use and access of new technologies which allow contact with loved ones despite the confinement.

In any case, the results allow us to draw conclusions regarding the crucial role of perceived social support, results consistent with other studies conducted during the pandemic, which showed how social support had a negative relationship with anxiety in students (Cao et al., 2020), and a positive one with increased self-efficacy and quality of sleep among medical staff (Xiao et al., 2020). Additionally, our results highlight the role of family ties in the context of a pandemic and isolation from society regardless of the cultural context, and allow us to assume that those with low levels of perceived family support would become a risk group in the long-term perspective.

Conclusion

The present research has allowed us to ascertain the differences in the consequences of the pandemic in a sample of the Russian and Spanish populations. While in both countries the impact at the clinical level seems to be similar, differences are found at the psychosocial level, which may be key, and should determine the response needed to alleviate the effects of the crisis. Social support seems to be a protective factor for our psychological health, with specific cultural characteristics for each country, which must be taken into account as we seek to mitigate the consequences of the crisis.

Given the growing numbers of detected cases of coronavirus infection worldwide and the high degree of uncertainty of the situation, the mental health and well-being of the entire population and individual groups in particular are likely to be at risk for the foreseeable future. Although important short-term results concerning the impact of the pandemic on the mental health of the population in different countries have already been obtained, it is necessary to continue developing research in this direction on a global scale, taking into account the differences in socio-cultural context, in the characteristics of the epidemiological dynamic in individual countries or regions, in the restrictive measures taken, and also in their long-term effects on mental health.

In considering future lines of action to mitigate the loneliness of people in confined situations and increase social support, it should be noted that online technologies could be used to provide networks of social support and a sense of belonging (Armitage and Nellums, 2020). These authors indicate the suitability of training people in the use of digital resources, but also the usefulness of interventions involving more frequent telephone contact with significant people, close relatives, and friends, voluntary organizations or health professionals, or community projects that provide support during confinement. In addition, cognitive-behavioral therapy could be administered online to decrease loneliness and improve psychological well-being.

Furthermore, to combat the stigma associated with the COVID-19 pandemic, we recommend being careful in the language used when talking about the disease; avoiding the spread of false news; and taking care to disseminate only precise information related to COVID-19 to the public, thus making it easier for people to request help (IFRC, UNICEF & WHO, 2020).

Limitations

The present research has several limitations. First, the type of sampling we used does not ensure that the sample is representative of the population, since groups such as the elderly, sexual and ethnic minorities, or others, were underrepresented. In addition, the type of online survey we used may also have excluded a significant percentage of persons who couldn't have access to new technologies, in addition to lacking the ability to have an expert interviewer ask the person the questions.

Another limitation was the lack of inclusion of some relevant variables, such as whether the participants lived in a rural or urban area; these contexts could have made a significant difference in their perceptions of the pandemic. Finally, it should

be noted that some of the scales were translated into Russian or Spanish specifically for this research, without being validated or standardized in relation to the samples from these countries.

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