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# Validation of the Psychometric Properties of Acceptance and Action Questionnaire-II in Clinical and Nonclinical Groups of Portuguese Population

**Joana Costa\***

*Universidade de Coimbra, Portugal*

**João Marôco**

*Unidade de Investigação em Psicologia e Saúde (UIPES), ISPA-IU, Lisboa, Portugal*

**José Pinto-Gouveia**

*Universidade de Coimbra, Portugal*

**Ana Galhardo**

*Instituto Superior Miguel Torga, Coimbra, Portugal*

## ABSTRACT

This study explores the factor structure of the Acceptance and Action Questionnaire (AAQ-II) in both clinical and general normative groups. It also examines the factorial invariance of a one-factor proposed model in both groups. Data was collected from the overall database of a Portuguese Cognitive and Behavioral Research Center ( $N= 687$ , 425 females; mean age= 36 years;  $SD= 11.33$ ). Confirmatory Factor Analysis supported a one-factor structure with good internal consistencies and construct related validity. The one-factor solution was also supported with a second independent data set, which showed a configural, strict measurement and structural invariance of the one-factor solution proposed. Multigroup Confirmatory Factorial Analysis showed the configural invariance, weak measurement invariance and also structural invariance of the one-factor model of Acceptance and Action Questionnaire II across both groups under study. The one-factor model have both similar meanings and the same structure, but the measurement model in clinical and nonclinical groups was not the same. Toxic influences of experiential avoidance as a core mechanism in the development and maintenance of several clinical disorders, may explain why the AAQ-II does not operate equivalently across clinical and nonclinical groups.

**Key words:** experiential avoidance, one-factor model, factorial invariance, clinical and nonclinical groups.

### *Novelty and Significance*

*What is already known about the topic?*

- Experiential avoidance is critical to the development and maintenance of psychopathology.
- Psychological problems are not the result of thoughts or feelings themselves but the results of the attempts to suppress, avoid and control such unwanted private events.
- Efforts to avoid unwanted thoughts, feelings and sensations may increase the frequency of these private events and the severity of psychological symptoms.

*What this paper adds?*

- This study supports the one-factor structure of AAQ-II with strong evidence of psychometric validity.
- This measure shows adequate psychometric properties but also measures the same psychological construct in pathological and normative groups.
- Experiential avoidance has the same meaning for both groups but the factor loadings across them were not equal, with significantly higher factor loadings across clinical group in comparison with nonclinical group.

\* Correspondence concerning this article: Joana Costa, CINEICC, Faculdade de Psicologia e Ciências da Educação, Universidade de Coimbra, Rua do Colégio Novo, Apartado 6153, 3001-802 Coimbra, Portugal. E-mail: joanascosta@hotmail.com

A growing body of research has shown important evidences that mental health and behavioral effectiveness are more influenced by how people relate to their internal experiences (e.g. the function of their thoughts, sensations, feelings) than by their form (e.g. how negative their are). In fact, recent developments within cognitive-behaviour therapies promote a shift away from methods that emphasize the control and/or change of the content of psychological experience towards more contextual methods, that emphasize the function of the experience. These new generation of therapies focus precisely on the difference between form and function of private experiences. This is to say that rather than targeting and attempting to alter the content, frequency and/or form of private events, acceptance-based therapies like Acceptance and Commitment Therapy (ACT) seek to alter the context and the function of the internal phenomena (Hayes & Duckworth, 2006). ACT is based on the assumption that most problems that patients face are due to experiential avoidance (Hayes, Strosahl, Wilson, Bissett, Pistorello, Toormino, *et al.*, 2004). This construct has been operationalized as an individual's unwillingness to experience feelings, physical sensations and thoughts, as well as attempts to alter the form or frequency of these events and the contexts that occasion them (Hayes, Wilson, Gifford, Follette, & Strosahl, 1996). It is a process involving excessive negative evaluations of unwanted private experiences, an unwillingness to experience these private events and implicates deliberate efforts to control or escape from them (Hayes, 1994; Hayes, Strosahl, & Wilson, 1999; Kashdan, Barrios, Forsyth, & Steger, 2006).

Given this definition, experiential avoidance is thought to be critical to the development and maintenance of psychopathology (Hayes *et al.*, 1999). More specifically, it has been hypothesized that psychological problems are not the result of thoughts or feelings themselves but rather these problems are the results of the attempts to suppress, avoid and control such unwanted private events.

Indeed research has suggested that efforts to avoid unwanted thoughts, feelings and sensations may increase the frequency of these private events and the severity of psychological symptoms. Despite the ultimate maladaptive outcome, individuals continue to engage in experiential avoidance because the immediate effects are seemingly positive in that the avoidance strategy initially results in apparent decreases of emotional intensity experiences (Sloan, 2004). However, the pattern of a short term reduction leads to a self amplifying loop that appears to be resistant to change (Hayes *et al.*, 1999). In fact, experiential avoidance becomes a disordered process when it is applied rigidly and inflexible such that an enormous time, effort and energy is devoted to managing, controlling or struggling with unwanted private events. According to ACT (Hayes, Strosahl, & Wilson, 1999) this struggle gets in the way of movement toward valued goals, diminishes contact with present experiences and yields impairment in functioning. The unwillingness to remain in contact with negatively evaluated private events and chronic attempts to alter the form, frequency or content of these events are proposed to be the stronger contributor to psychopathology (Forsyth, Eifert, & Barrios 2006, Hayes *et al.*, 1999).

The Acceptance and Action Questionnaire (AAQ; Hayes *et al.*, 2004) is the most widely measure of experiential avoidance and psychological inflexibility used. It was originally developed within ACT but now it is also applied to other forms of contextual

CBT's (Rusch *et al.*, 2008). The primary need for a AAQ-II was that AAQ-I showed insufficient levels of reliability in various populations. The initial item pool in the study of AAQ-II (Bond *et al.*, 2011) was generated by ACT therapists and researchers to represent the kind of phenomena that constitutes this unidimensional construct. The final scale contained items on negative evaluations of feelings, avoidance of thoughts and feelings, distinguishing a thought from its referent and behavioral adjustment in the presence of difficult internal experiences such as thoughts, sensations and feelings. An exploratory factor analysis suggested a two-factor solution for a 10-item scale. However the second factor consisted of only the three positively worded items on the scale, suggesting that the second factor resulted from a method (wording) effect and did not represent a substantive dimension. Bond *et al.*, (2011) performed several tests comparing both internal and external validities of the 9 and 16-item scale. Thus, the two-factor solution was rejected and the three items were not retained in the final structure. Therefore, Bond *et al.*, (2011) concluded that the AAQ-II was an unidimensional measure that assesses the construct of psychological inflexibility. Results indicate that it does so in a comparable manner across different samples (Bond *et al.*, 2011). It is important to notice that Bond *et al.*'s (2011) research involved six samples with a total of 2816 individuals, 290 of those seek outpatient psychological treatment for substance misuse.

Given all that has been said, this study was designed to address the following aims: 1) to replicate the one-factor structure identified by Bond *et al.*, (2011) in both clinical and general, normative groups; 2) to examine the measurement invariance of the Acceptance and Action Questionnaire-II across these clinical and non clinical group.

## METHOD

### *Participants*

Participants were selected from the databases of a Portuguese research center which include patients who had completed the AAQ-II and that belonged to three major groups of diagnosis (e.g. arthritis rheumatoid, infertility and general population). Analysis of item response patterns did not find any study participants with missing responses to more than half of the experiential avoidance items. For participants with less than 5% of missing data, missing values were imputed with the regression method. The main sample included 700 participants randomly divide into two groups, a test group formed by 407 individuals (about 60% of the main sample), and a validation group is composed by 293 individuals (about 40% of the main sample).

Demographic information of both groups are presented in Table 1. The clinical and general population groups did not show statistically significant differences regarding age and years of school attendance.

### *Measures*

Acceptance and Action Questionnaire-II (AAQ-II; Bond *et al.*, 2011; Portuguese version: Pinto-Gouveia, Gregório, Dinis, & Xavier, 2012) is a 7-item self-report

Table 1. Samples demographic characteristics (Total Sample,  $N=697$ ).

Table 1. Samples demographic characteristics (Total Sample, N= 697).						
		Males (n= 272)	Females (n = 425)	$\chi^2$		
Marital State	Single	131	234	16.744***		
	Married/ Union	141	174			
	Divorced	0	4			
	Widower	0	13			
Socio-Economic Status	Low	58	137	10.480**		
	Mean	95	125			
	High	118	156			
		<i>M</i>	<i>SD</i>	<i>M</i>	<i>SD</i>	<i>t</i>
Age	38.47	9.220	40.38	12.449	-2.321*	
Education	12.89	4.262	12.90	5.051	- .044	

Notes: M= mean; SD= standard deviation; \* $p < .05$ ; \*\*  $p < .01$ ; \*\*\*  $p < .001$ .

questionnaire that assesses experiential avoidance, as efforts to not come into contact with unpleasant private events such as thoughts, feelings, emotions, sensations, by trying to change their occurrence, form or frequency specially when doing so leads to undesirable outcomes. Items are rated on a 1 (never true) to 7 (always true) scale; higher results mean high experiential avoidance. AAQ-II has a mean alpha coefficient of .84 (from .78 to .88) and the 3 and 12 months teste-retest reliability was .81 and .79, respectively. The AAQ-II scores concurrently, longitudinally and incrementally predict several outcomes, from mental health to work absence rates. The AAQ-II also shows appropriate discriminat validity and appears to measure the same concept of AAQ-I with better psychometric properties (Bond *et al.*, 2011). In the present study the internal consistency, Cronbach's alpha was .92.

### Procedure

Relevant database files were initially identified by searching the overall research center databases. Limits were implemented to refine the scope and to ensure quality: databases were limited to adult samples; studies were eligible for inclusion if they included the Acceptance and Action Questionnaire-II (AAQ-II; Hayes *et al.*, 2004) and the patients diagnosis were made by specialists. These data bases were aggregated in clinical and non-clinical group.

### Psychometric data evaluation

To examine whether respondents within the test and validation samples differed with respect to demographic variables, we computed independent Student's *t*-test to compare the two samples on age and education. Pearson's  $\chi^2$  test was used to compare the two samples on sex, marital status and profession. Kolmogorov-Smirnov tests were used to inspect the data distribution also with a close inspection of the Skewness and Kurtosis values. The presence of multivariate outliers was assessed with the squared Mahanalobis Distance ( $DM^2$ )

A Confirmatory Factorial Analysis (CFAs) was conducted to confirm the underlying structure of AAQ-II in clinical and and general population groups, using SPSS-AMOS (v.18). Given the good fit of the one-factor model, a Multigroup Confirmatory Factorial

Analysis was performed to evaluate the level of measurement invariance across both groups. Based on Brown (2006), configural invariance, measurement invariance (e.g. metric invariance, scalar invariance) and structural invariance across the samples were tested in that order. Dimitrov (2010) has also referred to metric invariance as weak measurement invariance and scalar invariance as strong measurement invariance.

The model fit was evaluated using the chi-square statistic ( $\chi^2$ ) and other descriptive fit indices including the Comparative Fit Index (CFI; Bentler, 1990), the Root Mean Square Error of Approximation (as well as its  $p$ -value for  $H_0: \text{rmsea} \leq .05$ ) (RMSEA; Steiger, Shapiro & Browne, 1985) and its 90% confidence interval), Tucker-Lewis index (TLI; Bentler-Bonett, 1980), Akaike Information Criterion (AIC; Arbuckle, 2008); Browne-Cudeck Criterion (BCC; Arbuckle, 2008) and Expected Cross-Validation Index (ECVI; Benson & Bandalos, 1992). Hu and Bentler (1999) suggested several fit indices cutoff criteria, for a reasonably good fit between the target model and the observed data (assuming Maximum Likelihood Estimation): 1) CFI and TLI values equal to .90 or greater; 2) RMSEA values of .10 or below (See also Marôco, 2010, p. 51).

Factors' related convergent validity was assessed with the Average Variance Extracted (AVE) as proposed by Fornell & Larcker (1981). AVE values greater than .5 were considered indicative of convergent validity (Marôco, 2010)

Criterion related validity to assess the capacity of the AAQ-II to discriminate between clinical and non clinical groups was evaluated by an independent t-test performed by SPSS Statistics. Statistical significance was assumed for  $p < .05$ .

When competing models were nested, both the difference between the  $\chi^2$  statistics and the the CFI difference were used. We used both a significant  $\Delta\chi^2$  and CFI decrease greater than -.01 as a criterion to reject the null hypothesis of invariance (Cheung & Rensvold, 2002). Evidence shows that  $\chi^2$  differences are dependent on sample size (Kelloway, 1995) while CFI differences are not (Cheung & Rensvold, 2002), besides  $\chi^2$  differences are more susceptible to Type I error inflation, under model misspecification than CFI differences (French & Finch, 2011).

Factors reliability were evaluated by the Cronbach's alfa measure of internal consistency as estimated by SPSS Statistics (v.18) as well as composite reliability (CR) (Fornell & Larcker, 1981). Values of alfa and CR greater than 0.7 were indicative of acceptable reliability (Marôco & Garcia-Marques, 2006; Marôco, 2010).

Convergent validity was estimated by CR values and average variance extracted (AVE); External validity of the one-factor model was estimated with a Multigroup Confirmatory Factor Analysis to analyze the invariance of this solution with independent data (Validation sample). The invariance testing included an analysis of configural invariance, measurement invariance (metric invariance and scalar invariance) and structural invariance. Several nested models were tested, with each step imposing a more restrictive level of invariance across both samples (Byrne, 2006; Brown, 2006; Dimitrov, 2010; Maroco 2010).

Finally, a Multigroup Invariance of the one-factor model was also performed to show the equivalence of the proposed model across clinical and non-clinical samples. The configural invariance model tests whether the basic factor structure is equivalent across the three samples.

Since the satisfactory fit of the configural invariance model was shown, we proceeded to test the measurement invariance model. Measurement invariance refers to a) metric invariance- equal factor loadings across groups, b) scalar invariance- equal item intercepts across groups and, c) invariance of item uniqueness- equal item error variances/covariances across groups. After configural invariance across groups was established, testing for metric invariance was performed using  $\Delta\chi^2$  and  $\Delta CFI$  tests for two nested models. (Byrne, 2006; Brown, 2006; Dimitrov, 2010).

## RESULTS

In order to explore the factor structure underlying the items of AAQ-II (Bond *et al.*, 2011) we conducted a Confirmatory Factorial Analysis (CFAs). Since the overall sample is large enough, it was randomly divided into two samples, to determine the replicability of the final model fitted with independent data set (the validation sample).

The 7 items of Acceptance and Action Questionnaire-II (Bond *et al.*, 2011) were subjected to a Confirmatory Factorial Analysis (CFA). The original AAQ-II one-factor model provided an acceptable fit to the variance-covariance matrix data in the test sample (Figure 1). The model fit showed a  $\chi^2$ -value of 112.783 (df=14;  $p = .000$ ). The overall goodness-of-fit indices showed that the proposed one-factor gave reasonable fit to the data (CFI= .950; TLI= .925; PCFI= .663; RMSEA= .132,  $p[\text{rmsea} \leq .05] < .000$ ; AIC= 154.783; BCC= 155.627; ECVI= .381).

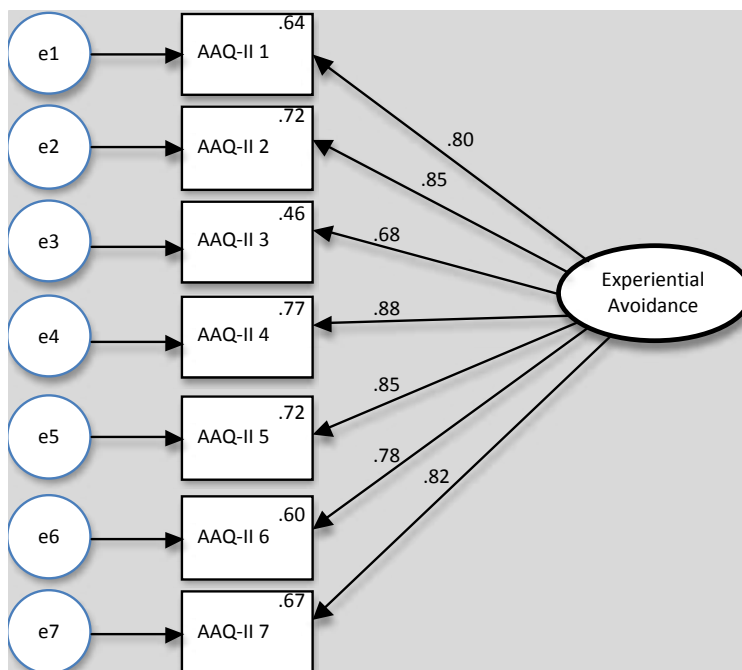


Figure 1. Standardized loadings and correlations for the one-factor model of AAQ-II.

Our results supported a one-factor solution with 7 items loading strongly on one single factor. The obtained factor had good reliability (Cronbach's Alfa= .922)/ composite reliability of the factor proved to be of high (.95). The analysis of AVE value showed evidence of convergent validity (.74).

The criterion validity was supported by an independent t-test. An independent t-test was performed to explore the differences of the clinical and non clinical groups on experiential avoidance, as measure by the AAQ-II. There was statistically significant differences in AAQ-II score for both groups ( $F(663.58)= 63.905$ ;  $p< .001$ ). The results indicated that the clinical group had significant higher experiential avoidance than the general population group ( $t(663.58)= 10.219$ ;  $p< .001$ ;  $M= 24.72$ ,  $SD= 11.35$ ;  $M= 17.43$ ,  $SD= 7.26$ , respectively for clinical and non-clinical group).

Nested model comparisons resulted in no significant values of  $\Delta\chi^2$  changes, which mean that there are no real differences between the models fitted to the test and validation samples (Table 2). For *metric invariance model*, the sequence of CFA models and respective  $\Delta\chi^2$  tests showed a nonsignificant chi-square difference test between the configural invariance model and the metric invariance model, indicating that the factor loadings are equal across the two samples ( $\Delta\chi^2(6)= 6.575$ ;  $p= .362$ ;  $\Delta CFI=.000$ ).

A nonsignificant  $\chi^2$  difference statistic was found between the free intercept model and the constrained intercept models model ( $\Delta\chi^2(7)= 4.425$ ;  $p=.730$ ;  $\Delta CFI= -.001$ ), suggesting that the constraints of equal item intercepts did not degraded the fit of the

Table 2. Multigroup Confirmatory Analysis used to cross validate the one-factor model proposed.

Model		$\chi^2$	df	p	dif $\chi^2$	df	p	CFI	$\Delta CFI$	RMSEA
Configural Invariance		178.502	28	.000				.957		.088
Measurement Invariance	Metric Invariance	185.078	28	.000	6.575	6	.362	.957	.000	.080
	Scalar Invariance	189.503	34	.000	4.425	7	.730	.958	-.001	.072
Structural Invariance		189.637	42	.000	.134	1	.714	.958	.000	.071

solution and that item intercepts could be considered equal across the samples. These results support strong measurement invariance. This means that the relations between the latent factor and the external variables can be compared across the groups because a one unit change in one group would be equal to a one unit change in the other group. Given the evidence of scalar invariance, we proceeded to test the *structural invariance model*. A nonsignificant chi-square difference test ( $\Delta\chi^2 (1)= .134$ ;  $p= .714$ ;  $\Delta CFI= .000$ ) was found confirming the structural invariance of the AAQ-II.

The dataset results supported configural, strick measurement invariance and structural invariance of the one-factor model of AAQ-II across the test and validation samples.

Results indicate that the fit of the model was satisfactory ( $\chi^2 (28)= 232.844$ ;  $p= .000$ ;  $CFI= .930$ ;  $RMSEA= .103$ ,  $p[rmsea\leq .05]< .001$ ) (Table 3).

The sequence of CFA models and respective  $\Delta\chi^2$  tests showed a significant chi-square difference test between the configural invariance model and the *metric invariance model*, indicating that the factor loadings are not equal across the samples ( $\Delta\chi^2(6)= 36.391$ ;  $p< .001$ ). The CFI difference between these models was -.01. So, it was assumed the metric invariance of the measure. This means that the constraints of equal factor loadings across the samples did not worse the model fit and the factor loadings could



Table 3. Multigroup Invariance of the one-factor model of the Acceptance and Action Questionnaire across clinical and non clinical groups.

Model	$\chi^2$	df	<i>p</i>	dif $\chi^2$	df	<i>p</i>	CFI	$\Delta$ CFI	RMSEA
Configural Invariance	232.844	28	.000		28		.957		.103
Measurement Invariance	269.235	34	.000	36.391	6	.000	.920	-.010	.101
Scalar Invariance	376.108	41	.000	106.873	7	.000	.886	-.034	.109
Structural Invariance	413.522	42	.000	37.414	1	.000	.874	-.012	.114

be considered equal across the samples.

In addition to the factor loadings this analysis explored whether the item intercepts can also be considered equivalent (*scalar invariance model*). A significant  $\chi^2$  difference statistic was found between the scalar invariance model and the metric invariance model ( $\Delta\chi^2(7) = 106.873$ ;  $p < .001$ ). The CFI difference between these models ( $\Delta$ CFI = -.034) suggested that the constraints of equal item intercepts degraded the fit of the solution and that item intercepts could not be considered equal across the samples.

Given there was no evidence of scalar invariance, we didn't proceed to test the structural invariance across the samples which determine whether the factor variances and covariances are equal across the samples.

The multigroup analysis between clinical and normative groups, did not support the invariance of the one-factor model of the Acceptance and Action Questionnaire-II. Therefore, AAQ-II is not operating in the same way and underlying constructs have not the same factorial and metric structure among clinical and non clinical groups.

## DISCUSSION

The increasing interest in experiential avoidance combined with the faster development of research based on the theoretical approach to this process, underscores the significance of this type of investigation.

The current study sought to replicate the one-factor model identified by Bond et al. in 2011 in clinical and normative samples of the Portuguese population. Furthermore this study intended to analyze the factorial invariance of the proposed one-factor model across both clinical and general population groups, in order to examine in detail the psychometric qualities of the measure and its applicability in various contexts.

Accordingly with our first aim, we found that the original AAQ-II one-factor model provided a reasonable fit to the data. The  $\chi^2$  test statistic was significant ( $\chi^2(14) = 112.783$ ;  $p < .001$ ). However it is known that  $\chi^2$  test statistic is very sensitive to the sample size and may overestimate the lack of model fit (Bollen, 1989). So, several goodness-of-fit indices were also selected based upon Bollen, Hu, and Bentler (1998) and showed a good fit to data (CFI = .950; TLI = .925; PCFI = .663; RMSEA = .132,  $p$  [RMSEA  $\leq .05$ ] < .001; AIC = 154.783; BCC = 155.627; ECVI = .381). It is important to notice that besides the value of RMSEA can be over estimate in unifactorial models.

Our results supported a one-factor solution with good consistency and validity. Convergent validity was supported by a higher composite reliability value and also by the high average variance extratcted. Criterion validity was supported by the results of an independent t-test that showed that AAQ-II scores were significantly different etween clinical and non clinical groups.

Concerning concurrent validity, Bond *et al.* (2011) showed higher scores of AAQ-II related to similar constructs such as thought suppression. In Bond *et al.* (2011) the divergent validity was shown by no associations of the AAQ-II scores and theoretically distinct constructs.

The current study also supported external validity by a multigroup confirmatory analysis, showing configural, strict measurement and structural invariance of the AAQ-II one-factor solution with independent data.

It is important to notice that as far as we know this is the first study performed to clearly understand the AAQ-II factorial structure in a large Portuguese sample with both clinical and normative population groups. This results add to Bond *et al.* (2011) who found a satisfactory structure, with good reliability and validity.

Testing for model fit relates to the structural aspect of variability but not tap into the generalizability aspect of the validity (Dimitrov, 2010). So, the second aim of the current study was to examine the multigroup invariance of the one-factor model proposed for AAQ-II across both clinical and normative population groups. Our data only support configural invariance.

Specifically, a baseline model was established (this means the most meaningful and best fitting to data for both groups). Based on our results, it can be assume that the one-factor model proposed has equivalency and the constructs have similar meanings across the two groups under study. Besides the one-factor model have both similar meanings and the same structure, the measurement model in clinical and nonclinical groups was not the same. This is to say that at the level of measurement invariance the relationships between the latent factor and external variables can not be compared across both groups.

Thus our findings did not support measurement invariance and so the generalizability aspect of the validity across clinical and nonclinical groups cannot be supported, our findings add to the existent knowledge in this area by confirming the one-factor model of AAQ-II as the best structure, with good psychometric properties.

Since previous work has identified the toxic influences of experiential avoidance as a core mechanism in the development and maintenance of several clinical disorders, it is possible that AAQ-II does not operate equivalently across clinical and nonclinical groups. In fact, our findings showed that experiential avoidance has the same meaning for both groups but the factor loadings across them are not equal. A closely analysis of the factor loadings clearly show significantly higher factor loadings across clinical group in comparison with nonclinical group. Our results show the usefulness of this new version of AAQ-II in both clinical and non clinical samples. We assume that besides in both clinical and nonclinical samples experiential avoidance is strongly correlated with measures of general pathology, these findings reinforced that experiential avoidance is much more prevalent in rigid and inflexible contexts where time, effort and energy is spent to managing, controlling or struggling with unwanted private events.

When interpreting our results, one should keep in mind that the present study is subject to several limitations. It most be notice that the use of a non probabilistic sample (by convenience) limits the generalization of our conclusions.

Besides the present findings evidencing that AAQ-II has good psychometric properties

and its stable across independent samples, future research is need to fully examine the multigroup invariance of the one-factor model across clinical and nonclinical/ normative groups. In fact, AAQ-II was not designed as a tool for diagnosing mental disorders but to assess a specific model of psychopatology that emphasizes psychological inflexibility.

We replicate the factor structure of one-factor model of experiential avoidance developed by Bond *et al.* (2011). Our findings support a one-factor structure of AAQ-II with strong evidence of psychometric validity. This study adds to previous knowledge by showing that the proposed one-factor model is a measure that not only shows adequate psychometric properties but also measures the same psychological construct in pathological and normative groups. Findings showed that experiential avoidance has the same meaning for both groups but the factor loadings across them were not equal, with significantly higher factor loadings across clinical group in comparision with nonclinical group. Future research should investigate the factorial invariance within several groups of clinical disorders.

Regarding the demographic variables, there were significant sex differences regarding to marital status, socio-economic status and age. From the authors' point of view the differences relating to marital and socio-economic status could be justified by the heterogeneity of samples under study (rheumatoid arthritis, infertility and general population). However, it would be important, in future studies, to analyze theses age differences in an attempt to meet and understand the differences in experiential avoidance levels based on clinical membership.

According to Flaxman, Blackledge, and Bond (2011), the human capacity for experiential avoidance is significant for two mais reasons. First, many experientially avoidant behaviours either cause physical harm and compound the problem that engendered them in the first place. In fact, there are many instances in that experiential avoidance may offer some initial relief, but make our problems and our distress worse over the long run. Second, many instances of Experiential avoidance prevent one from living in a meaningful, purposeful and vital way. When life is lived in such a manner, life satisfaction and well-being would be expected to decrease over the long run.

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