

## Supplementary Material

## Assessing the Effects of the 2023 Turkish Earthquakes on Mental Health in Lebanon: A Cross-sectional Study

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Table 1: Bivariate analysis taking the LAS-10 scale before and after the earthquake. Abbreviations: SD: Standard Deviation.

	LAS-10 before	p-value	LAS-10 after	p-value
	Mean ± SD	p value	Mean ± SD	p value
Gender				
Male	10.89±6.55	<0.001	10.92±7.63	<0.001
Female	13.82±6.48		14.87±7.68	
Marital status				
Single/widowed/divorced	13.19±6.50	0.215	14.02±7.77	0.122
Married	12.19±7.30		12.66±8.30	
Education level				
School level	11.93±6.98	0.101	12.66±8.48	0.146

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University level	13.21±6.56		14.00±7.76	
Working status				
Unemployed	13.39±6.61		14.26±7.98	
· ·		0.094		0.068
Employed	12.50±6.62		13.12±7.61	
Previously diagnosed with mental				
health disorder by a specialist				
Yes	17.85±6.66	<0.001	19.48±8.29	<0.001
No	12.23±6.26	_ <0.001	12.86±7.37	
Governorate of residence				
Beirut	14.02±7.33		14.49±8.59	
Mont Lebanon	12.94±6.39	0.084	14.17±7.73	0.057
North	13.70±6.20		15.21±7.16	
Bekaa	12.35±5.31		13.52±6.49	
South	12.17±6.59	-	12.34±7.76	-
	Correlation	n velue	Correlation	n volue
	coefficient	p-value	coefficient	p-value
Age	-0.114	0.003	-0.122	0.002
LAS-10 before	-	-	0.846	<0.001
Numbers i	l n bold indicate sign	ificant p-value	S.	<u> </u>

Table 2: Multivariable analysis before and after the earthquake. Note: Variables entered in the model: gender, age, marital status, level of education, working status, using medication, governorate, and previously diagnosed mental disorder. Numbers in bold indicate significant p-values. Abbreviations: CI: Confidence Interval.

	Beta	95% CI		p-value	
Model 1: taking the LAS-10 before the earthquake as the dependent variable					
Gender (Female vs Male*)	2.644	1.580	3.709	<0.001	
Age	-0.123	202	-0.045	0.002	

Level of education (University vs school level*)	0.258	-1.306	1.821	0.746		
Working status (employed vs unemployed*)	-0.602	-1.600	0.395	0.236		
Using medication to relieve						
symptoms before the	4.229	2.369	6.089	<0.001		
earthquakes (Yes vs No*)						
Governorate (South vs Beirut*)	-1.928	-3.217	-0.639	0.003		
Marital status (Married vs single*)	0.469	-1.318	2.257	0.606		
Previously diagnosed with a mental disorder (Yes vs No*)	4.495	3.063	5.928	<0.001		
Model 2: taking the LAS-1	Model 2: taking the LAS-10 after the earthquake as the dependent variable					
Gender (Female vs Male*)	3.603	2.341	4.865	<0.001		
Age	-0.147	-0.240	-0.053	0.002		
Level of education (University  vs school level*)	-0.260	-2.114	1.593	0.783		
Working status (employed vs unemployed*)	-0.683	-1.865	0.500	0.257		
Using medication to relieve						
symptoms before the	3.515	1.309	5.720	0.002		
earthquakes (Yes vs No*)						
Governorate (South vs Beirut*)	-2.238	-3.766	-0.710	0.004		
Marital status (Married vs	0.050	4 70 1	0.477	0.740		
single*)	0.356	-1.764	2.475	0.742		
Previously diagnosed with a mental disorder (Yes vs No*)	5.840	4.142	7.539	<0.001		