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13th International Congress of ASPESM - 2022

Mental Health: You Must Act!

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Figueiredo, M.C., Rosa, M., Silva, M., Gonzaga, L., Matos, R., & Amendoeira, J. (2022). *The mental health of nursing students at the Polytechnic Institute of Santarem during the COVID-19 pandemic* [Paper presentation] 13th International Congress of ASPESM. Funchal, Portugal

INTRODUCTION

- The coronavirus pandemic (COVID-19) has been considered a public health emergency of international concern, which has revealed a major challenge for mental health, as a result of its impact, in this 21st century (WHO, 2020).
- Public health acts such as quarantine, physical distancing are efficient to mitigate the pandemic, they may be detrimental to people's mental health (Nikopoulou et al., 2022).





INTRODUCTION

- The context of coronavirus in higher education caused upsetting consequences on students'lives (Torales, Higgins, Castaldelli-Maia & Ventriglio, 2020).
- The pandemic has reduced social mobility and, consequently, social interactions in periods of confinement, leading to stressful situations, with feelings of anxiety and depression, anguish and sleep problems (Chaudhary et al., 2020).





METHODOLOGY

Goals:

 Identify the levels of anxiety, depression and stress of the studied sample, using the Depression, Anxiety, Stress Scale (DASS-21);

Identify the differences in these domains considering sociodemographic variables.





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Sociodemograph characterization	nic	n	%	
Gender	Female 148 Male 35		80,9 19,1	
Age group	Até 20 anos 21-30 anos 31-40 anos 41 e + anos	79 89 8 7	43,2 48,6 4,4 3,8	
Marital status	Single 165 Married 8 Divorced 2 Consensual union 8		90,2 4,4 1,1 4,4	
Children	Without children With children	168 15	91,8 8,2	
Residence District	Leiria Santarem Lisbon Others	12 105 50 16	6.6 57,4 27.3 8,7	
Curricular year	2nd year 3rd year 4th year	80 53 50	43,7 29,0 27,3	

- Quantitative, descriptive-correlational study, aiming to describe phenomena and subsequently identify and explore possible relationships between variables (Grove, Burns & Gray, 2013)
- Depression Anxiety, Stress Scale-21 (DASS-21 of Lovibond & Lovibond, 1995; in the Portuguese version EADS-21, by Pais-Ribeiro, Honrado & Leal, 2004).
- Instrument DASS-21 consisting of 21 questions



- DASS 21 is organized into three scales: Depression, Anxiety, Stress, each of which includes seven items:
- Anxiety: Autonomic System Arousal + Musculoskeletal Effects + Situational
 Anxiety + Subjective Anxiety Experiences
- Depression: Dysphoria + Discouragement + Life Devaluation + Selfdepreciation + Lack of Interest or Involvement + Anhedonia + Inertia
- Stress: Difficulty Relaxing + Nervous Excitement + Easily Agitated/Upset +
 Irritation/Overreaction + Impatience





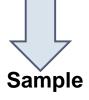
- The rating is given by the sum of the results of the 7 items, obtaining a score for each subscale with a minimum result of 0 and a maximum of 21.
- Higher grades correspond to more negative affective states. (Pais-Ribeiro, Honrado & Leal, 2004).
- The data were analyzed using the IBM SPSS Statistics for Windows, version 27.0 software.





METHODOLOGY

The population - 367 students



183 nursing students (both genders), aged between 18 and 55 years from the 2nd to the 4th year of daytime education

IPSantarem Ethics Committee' approval (112020Saúde), October 26, 2020

Authorization requested to the authors of the questionnaire validated for the Portuguese population

Link on the School' webpage for free filling by students, anonymously, via Microsoft Forms (with informed consent before the questionnaire starts)

Held in the period of 19 November till 4 December 2020



Summary of intercorrelations, standard deviations for DASS21 and means,

Mental health of nursing students at the Polytechnic Institute of Santarem during the COVID-19 pandemic

RESULTS

DASS DASS **MEASURE** M SD Depression **Anxiety** DASS 5,29 4,43 Depression ,665** 3,35 3,72 DASS Anxiety ,740** ,743** 4,84 6,68 183) **DASS Stress** (n=<u>)</u>

Note:

DASS, Depression Anxiety Stress Scales (Pais-Ribeiro, Honrado e Leal, 2004). **p <.001.



RESULTS

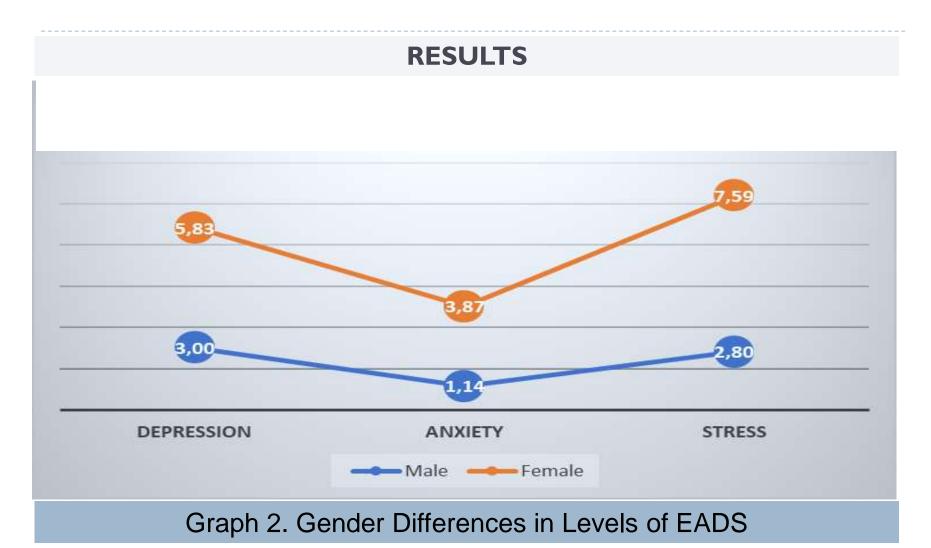
of students (n=183) Table 3 -Severity of affective emotional states

CLASSIFICATION		tress quency %	_	oression equency %		inxiety equency %
Normal	172	94,0	151	82,5	161	88,0
Light	8	4,4	20	11,0	9	4,9
Moderate	3	1,6	11	6,0	10	5,5
Severe			1	0.5	3	1,6
TOTAL	183					00

Souce: Lovibond & Lovibond, 1995; Pais-Ribeiro, Honrado e Leal, 2004











CONCLUSIONS

- It was found that the COVID-19 pandemic harmed the mental health of students of nursing, being more noticeable in girls compared to boys.
- The findings suggest that higher education institutions should understand this experienced phenomenon and develop strategies to improve students' affective states (Hudson, Lawton & Hugh-Jones, 2020; Apóstolo, Figueiredo, Mendes & Rodrigues, 2011).
- Early identification of individuals at an early stage of development of psychological disorders allows for a more effective intervention and, in this way, minimizes long-term damage.
- The importance of a transdisciplinary approach is emphasized, and the involvement of all stakeholders is encouraged.





CONCLUSIONS

- The fact that the sample is of convenience is the biggest limitation of this study, and therefore it is not possible to extrapolate the results.
- Likewise, it cannot be assumed that the increased levels of anxiety, depression and stress are due only to the pandemic, but also to other factors.
- Nevertheless, this study is a starting point for future research in this area.



IMPLICATIONS FOR CLINICAL PRACTICE

It becomes increasingly important to work on positive mental health at earlier ages, in primary school, from a salutogenic and ecological perspective of health with programs centered on children, in the development of self-esteem, well-being, resilience and mental health literacy.

These will not only have impacts on individual children and their families, but the benefits can also be noticeable at the community and social scale, in the education and health sectors.



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