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References

# **Alcohol Hangover Syndrome in Portuguese University Students: Prevalence and Management**

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### Introduction

**Alcohol Hangover Syndrome (AHS)** is characterized by a variety of physical and psychological symptoms, such as headache, nausea, fatigue, and dehydration, which occur after excessive alcohol consumption. Despite its high prevalence, particularly among young adults, AHS remains an underexplored phenomenon, with no validated treatments available. Common strategies to mitigate symptoms include the use of nonsteroidal anti-Inflammatory drugs, paracetamol, and vitamin or mineral supplements.

### **AIMS**

This study aimed to evaluate the prevalence and patterns of AHS, as well as the pharmacological practices adopted for symptom relief, among university students in Portugal.

#### **Materials and Methods** 3

Study period: December 24 – January 25 **Target population**: N total= **563**, <u>aged 18 or older</u>, enrolled in <u>higher education</u> and <u>living in Portugal</u>.

First stage: Development of a questionnaire using Google Forms, confidential and anonymous

- Sociodemographic characterization
- Characterization of alcohol consumption
- Characterization of hangover frequency
- Hangover symptomatology
- Pharmacological therapy

#### Second stage:

- Study approved by the Egas Moniz Ethics Committee (PT-223/24).
- All participants provided informed consent

### **Third stage:**

- Dissemination of the questionnaire through social media.
- Fourth stage: • Statistical analyses were conducted using IBM SPSS Statistics 29 (Pearson's chi-square test and the Mann-Whitney test)

## **Results**



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### Conclusions

- High prevalence of alcohol consumption among Portuguese university students, particularly beer. lacksquare
- Alcohol intake increased after entering higher education
- Most students did not use pharmacological measures for hangover relief.
- Availability of AHS treatment would not change students' drinking behavior.
- This study stresses that tailored strategies are essential to reduce university students' alcohol consumption.