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Spanish version of the Dundee Ready Education Environment Measure (DREEM) applied to undergraduate physical therapy students in Spain using Google Form

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3 **Spanish version of the Dundee Ready Education Environment Measure (DREEM) applied to**
4 **undergraduate physical therapy students in Spain using Google Form**
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Spanish version of the Dundee Ready Education Environment Measure (DREEM) applied to undergraduate physical therapy students in Spain using Google Form

The educational climate (EC) is an important factor in determining the effectiveness and success of the curriculum in a school of medical sciences. The Dundee Ready Education Environment Measure (DREEM)¹ questionnaire was used to assess EC in a competency-based curriculum in the physical therapy program analyzing the mean total, subscale, and item scores, as well as response rates. To carry out a psychometric evaluation of the Spanish-language version of the DREEM applied to undergraduate physical therapy students, a total of 671 students enrolled on Degrees in Physiotherapy at 22 faculties across public and private universities in Spain responded to the DREEM questionnaire using Google Form. To analyze the reliability of the DREEM questionnaire, the internal consistency was assessed. Validity was evaluated through analysis of item response rates, floor and ceiling effects, corrected item-total and item-subscale correlations and factor structure. A confirmatory factor analysis was performed to analyze the structure of the original DREEM scale. In addition, it is the first multicenter analysis of EC in undergraduate physical therapy students in Spain.

The Cronbach's alpha coefficient for the overall scale was 0.96. In the subscales, the 'observed' Cronbach's alpha varied, high reliability being found for three of the five dimensions (.80; .85; and .91), with somewhat lower values only for the Students' perceptions of teachers and Students' social self-perceptions subscales (.65 and .62 respectively), though these could also be considered acceptable. In addition, goodness-of-fit indices of the confirmatory analysis confirmed the suitability of the model (NFI (.81); IFI (.84); TLI (.83); CFI (.84)), and the results were internally consistent.

Given all this, the Spanish-language version of the DREEM questionnaire administered using Google Form is a reliable and valid instrument for analyzing the EC for undergraduate physical therapy students and its factor structure is supported by the data. Therefore, the DREEM seems to be a useful tool for assessing the perceptions of physiotherapy students in Spain.

Practice points

1. It is the first multicenter analysis of EC in undergraduate physical therapy students in Spain.

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3 2. The Spanish-language version of DREEM administered to undergraduate physiotherapy
4 students using Google Form is a reliable, internally consistent, and valid instrument for analyzing
5 the EC.
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9 3. The DREEM seems to be a useful tool for assessing the perceptions of physiotherapy students
10 in Spain.
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13 14 15 REFERENCES

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