

Students' Perceptions of Educational Climate in a Spanish School of Dentistry using the Dundee Ready Education Environment Measure: a longitudinal study

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Supplementary Material

Table S1. Dundee Ready Education Environment (DREEM) questionnaire (50 items).

ITEMS	RESPONSES				
1. I am encouraged to participate in class	SA	A	U	D	SD
2. The teachers are knowledgeable	SA	A	U	D	SD
3. There is a good support system for students who get stressed	SA	A	U	D	SD
4. <i>I am too tired to enjoy the course</i>	SA	A	U	D	SD
5. Learning strategies which worked for me before continue to work for me now	SA	A	U	D	SD
6. The teachers are patient with patients	SA	A	U	D	SD
7. The teaching is often stimulating	SA	A	U	D	SD
8. <i>The teachers ridicule the students</i>	SA	A	U	D	SD
9. <i>The teachers are authoritarian</i>	SA	A	U	D	SD
10. I am confident about my passing this year	SA	A	U	D	SD
11. The atmosphere is relaxed during the ward teaching	SA	A	U	D	SD
12. This school is well timetabled	SA	A	U	D	SD
13. The teaching is student-centred	SA	A	U	D	SD
14. I am rarely bored on this course	SA	A	U	D	SD
15. I have good friends in this school	SA	A	U	D	SD
16. The teaching helps to develop my competence	SA	A	U	D	SD
17. <i>Cheating is a problem in this school</i>	SA	A	U	D	SD
18. The teachers have good communications skills with patients	SA	A	U	D	SD
19. My social life is good	SA	A	U	D	SD
20. The teaching is well focused	SA	A	U	D	SD
21. I feel I am being well prepared for my profession	SA	A	U	D	SD
22. The teaching helps to develop my confidence	SA	A	U	D	SD
23. The atmosphere is relaxed during lectures	SA	A	U	D	SD
24. The teaching time is put to good use	SA	A	U	D	SD
25. <i>The teaching overemphasises factual learning</i>	SA	A	U	D	SD
26. Last year's work has been a good preparation for this year's work	SA	A	U	D	SD
27. I am able to memorise all I need	SA	A	U	D	SD
28. I seldom feel lonely	SA	A	U	D	SD
29. The teachers are good at providing feedback to students	SA	A	U	D	SD
30. There are opportunities for me to develop interpersonal skills	SA	A	U	D	SD
31. I have learned a lot about empathy in my profession	SA	A	U	D	SD
32. The teachers provide constructive criticism here	SA	A	U	D	SD
33. I feel comfortable in class socially	SA	A	U	D	SD
34. The atmosphere is relaxed during seminars/tutorials	SA	A	U	D	SD
35. <i>I find the experience disappointing</i>	SA	A	U	D	SD
36. I am able to concentrate well	SA	A	U	D	SD

ITEMS	RESPONSES				
37. The teachers give clear examples	SA	A	U	D	SD
38. I am clear about the learning objectives of the course	SA	A	U	D	SD
39. <i>The teachers get angry in class</i>	SA	A	U	D	SD
40. The teachers are well prepared for their classes	SA	A	U	D	SD
41. My problem-solving skills are being well developed here	SA	A	U	D	SD
42. The enjoyment outweighs the stress of the course	SA	A	U	D	SD
43. The atmosphere motivates me as a learner	SA	A	U	D	SD
44. The teaching encourages me to be an active learner	SA	A	U	D	SD
45. Much of what I have to learn seems relevant to a career in health care	SA	A	U	D	SD
46. My accommodation is pleasant	SA	A	U	D	SD
47. Long-term learning is emphasised over short term learning	SA	A	U	D	SD
48. <i>The teaching is too teacher centred</i>	SA	A	U	D	SD
49. I feel able to ask the questions I want	SA	A	U	D	SD
50. <i>The students irritate the teachers</i>	SA	A	U	D	SD

SA, strongly agree; A, agree; U, uncertain; D, disagree; SD, strongly disagree.

Table S2. Mean values of the items with statistically significant differences respect to the academic years.

Items	2010-11 Mean \pm SD	2013-14 Mean \pm SD	2014-15 Mean \pm SD	2015-16 Mean \pm SD	<i>p-value*</i>
1. I am encouraged to participate in class	2.09 \pm 2.00	2.35 \pm 0.94	2.58 \pm 1.04	2.11 \pm 1.04	0.002
3. There is a good support system for students who get stressed	0.94 \pm 1.00	1.14 \pm 0.94	1.42 \pm 1.18	0.90 \pm 0.97	0.008
4. I am too tired to enjoy the course	1.68 \pm 1.13	1.83 \pm 1.24	1.48 \pm 1.10	1.35 \pm 1.12	0.023
5. Learning strategies which worked for me before continue to work for me now	2.58 \pm 0.98	2.54 \pm 1.06	2.19 \pm 1.06	2.56 \pm 1.27	0.026
7. The teaching is often stimulating	2.22 \pm 0.86	1.87 \pm 1.02	2.16 \pm 0.98	1.83 \pm 1.05	0.020
9. The teachers are authoritarian	1.67 \pm 0.97	1.56 \pm 0.96	2.01 \pm 1.14	1.55 \pm 0.99	0.022
10. I am confident about my passing this year	2.88 \pm 0.79	3.28 \pm 0.63	3.10 \pm 0.80	3.05 \pm 0.83	0.002
12. This school is well timetabled	1.13 \pm 0.96	1.67 \pm 1.05	1.55 \pm 1.20	1.19 \pm 1.08	0.000
14. I am rarely bored on this course	2.27 \pm 1.00	1.88 \pm 1.21	2.18 \pm 1.12	1.86 \pm 1.15	0.017
19. My social life is good	3.17 \pm 0.84	3.02 \pm 0.93	2.75 \pm 1.03	3.14 \pm 0.78	0.018
21. I feel I am being well prepared for my profession	1.94 \pm 0.99	1.68 \pm 1.10	2.01 \pm 1.06	1.44 \pm 1.04	0.018

25. The teaching overemphasizes factual learning	1.68 ± 0.93	1.68 ± 1.04	1.78 ± 1.09	0.88 ± 0.78	0.000
31. I have learned a lot about empathy in my profession	2.71 ± 1.02	2.92 ± 0.80	2.53 ± 1.00	2.70 ± 0.90	0.039
37. The teachers give clear examples	2.55 ± 0.74	2.21 ± 0.86	2.21 ± 0.84	2.32 ± 0.85	0.012
40. The teachers are well prepared for their classes	2.49 ± 0.93	2.21 ± 0.95	2.22 ± 0.94	2.57 ± 0.66	0.013
45. Much of what I have to learn seems relevant to a career in health care	2.93 ± 0.84	2.61 ± 0.95	2.41 ± 1.02	2.76 ± 0.92	0.001
46. My accommodation is pleasant	3.43 ± 0.79	3.38 ± 0.83	3.10 ± 0.81	3.39 ± 0.62	0.009

*The comparison of the mean values of the items between all academic years was performed by applying the Kruskal-Wallis test.