Attachment 1: Supplementary tables

Table S1: Classroom Community Scale by Rovai 2002

1	I feel that students in this course care about each other
2	I feel that I am encouraged to ask questions
3	I feel connected to others in this course
4	I feel that it is hard to get help when I have a question
5	I do not feel a spirit of community
6	I feel that I receive timely feedback
7	I feel that this course is like a family
8	I feel uneasy exposing gaps in my understanding
9	I feel isolated in this course
10	I feel reluctant to speak openly
11	I trust others in this course
12	I feel that this course results in only modest learning
13	I feel that I can rely on others in this course
14	I feel that other students do not help me learn
15	I feel that members of this course depend on me
16	I feel that I am given ample opportunities to learn
17	I feel uncertain about others in this course
18	I feel that my educational needs are not being met
19	I feel confident that others will support me
20	I feel that this course does not promote a desire to learn

Table S2: CCS-D foundational PCA

Rotated Component Matrix[a]				
	Component			
	1	2		Cronbach's Alpha if Item Deleted
Item 1	,631	,259		,864
Item 3	,747	,163		,862
Item 5 i	,606	,272		,864
Item 7	,469	,068		,872
Item 9 i	**,517**	**,419**		,863
Item 11	,751	,148		,864
Item 13	,766	,110		,863
Item 15	,594	,035		,869
Item 17 i	,392	,260		,870
Item 19	,750	,195		,862
Item 2	,244	,437		,870
Item 4 i	,018	,686		,870
Item 6	,009	,403		,875
Item 8 i	,079	,586		,871
Item 10 i	**,322**	**,593**		,864
Item 12 i	,176	,551		,869
Item 14 i	**,382**	**,315**		,869
Item 16	**,364**	**,389**		,868
Item 18 i	,250	,575		,867
Item 20 i	,210	,625		,866
Extraction Method: Principal Component Analysis. Rotation Method: Varimax with Kaiser Normalization.				
a. Rotation converged in 3 iterations.				

Table S3: CCS-D-SF iteration 1

Rotated Component Matrix[a]			
	Component		
	1	2	Cronbach's Alpha if Item Deleted
Item 1	,643	,260	,825
Item 3	,746	,161	,821
Item 5 i	,611	,273	,824
Item 7	,473	,115	,836
Item 11	,757	,143	,824
Item 13	,765	,112	,823
Item 15	,600	-,003	,833
Item 17 i	,412	,235	,834
Item 19	,760	,175	,822
Item 2	,268	,422	,834
Item 4 i	,036	,719	,835
Item 6	,008	,460	**,842**
Item 8 i	,115	,505	,838
Item 12 i	,178	,598	,833
Item 18 i	,254	,597	,829
Item 20 i	,217	,646	,829
Extraction Method: Principal Component Analysis. Rotation Method: Varimax with Kaiser Normalization.			
a. Rotation converged in 3 iterations.			

Table S4: CCS-D-SF iteration 2

Rotated Component Matrix[a]			
	Component		
	1	2	Cronbach's Alpha if Item Deleted
Item 1	,627	,297	,828
Item 3	,731	,208	,824
Item 5 i	**,581**	**,334**	,826
Item 7	,497	,077	,841
Item 11	,750	,176	,826
Item 13	,770	,123	,827
Item 15	,611	-,003	,837
Item 17 i	**,372**	**,308**	,837
Item 19	,754	,206	,824
Item 2	,261	,409	,839
Item 4 i	,009	,711	,840
Item 8 i	,074	,548	,842
Item 12 i	,155	,603	,837
Item 18 i	,226	,614	,834
Item 20 i	,175	,684	,833
Extraction Method: Principal Component Analysis. Rotation Method: Varimax with Kaiser Normalization.			
a. Rotation converged in 3 iterations.			

Attachment 1 to Knof H, Huber V, Shiozawa T. *Validation of a short form of the German form of the classroom community scale (CCS-D-SF)*. GMS J Med Educ. 2026;43(7):Doc97. DOI: 10.3205/zma001891

Table S5: CCS-D-SF iteration 3

Rotated Component Matrix[a]			
	Component		
	1	2	Cronbach's Alpha if Item Deleted
Item 1	**,623**	**,311**	,801
Item 3	,715	,216	,797
Item 7	,510	,090	,817
Item 11	,759	,193	,798
Item 13	,778	,139	,799
Item 15	,609	-,005	,814
Item 19	,771	,222	,795
Item 2	,262	,426	,815
Item 4 i	,002	,712	,817
Item 8 i	,066	,542	,820
Item 12 i	,159	,621	,811
Item 18 i	,228	,617	,808
Item 20 i	,164	,683	,807
Extraction Method: Principal Component Analysis. Rotation Method: Varimax with Kaiser Normalization.			
a. Rotation converged in 3 iterations.			

Table S6: CCS-D-SF iteration 4

Rotated Component Matrix[a]			
	Component		
	1	2	Cronbach's Alpha if Item Deleted
Item 3	,717	,231	,774
Item 7	**,536**	,100	,796
Item 11	,742	,207	,777
Item 13	,787	,157	,776
Item 15	,642	,010	,793
Item 19	,759	,237	,772
Item 2	**,218**	**,431**	,796
Item 4 i	-,014	,711	,797
Item 8 i	,066	,544	,800
Item 12 i	,163	,626	,789
Item 18 i	,223	,621	,786
Item 20 i	,171	,687	,784
Extraction Method: Principal Component Analysis. Rotation Method: Varimax with Kaiser Normalization.			
a. Rotation converged in 3 iterations.			

Table S7: CCS-D-SF iteration 5

Rotated Component Matrix[a]		
	Component	
	1	2
Item 3	,716	,218
Item 11	,751	,196
Item 13	,814	,153
Item 15	,662	-,011
Item 19	,771	,216
Item 4 i	,004	,730
Item 8 i	,076	,538
Item 12 i	,174	,624
Item 18 i	,234	,627
Item 20 i	,174	,703
Extraction Method: Principal Component Analysis. Rotation Method: Varimax with Kaiser Normalization.		
a. Rotation converged in 3 iterations.		