Supplementary Table S2. Linear regression models for knowledge and self-reported practice: all terms of the primary and fully adjusted models (online responses, the main analysis set)

Predictor	Knowledge, b (95% CI), HC3	q	Knowledge, 95% CI, classical	q, classical	Practice, b (95% CI), HC3	q	Practice, 95% CI, classical	q, classical
A. Primary model (knowledge n = 227, R^2 = 0.066; practice n = 227, R^2 = 0.092)								
Experience >10 years (ref: ≤10)	*0.24 (-0.94 to 1.43)*	*0.86*	*-0.95 to 1.44*	*0.86*	*-6.41 (-11.24 to -1.58)*	*0.096*	*-11.02 to -1.80*	*0.067*
Any nutrition training (ref: none)	*1.11 (-0.16 to 2.38)*	*0.64*	*-0.09 to 2.31*	*0.49*	*4.12 (-0.50 to 8.74)*	*0.20*	*-0.50 to 8.73*	*0.20*
Any guideline use (ref: none)	*-0.06 (-1.64 to 1.52)*	*0.95*	*-1.78 to 1.66*	*0.95*	*-3.92 (-11.54 to 3.71)*	*0.45*	*-10.54 to 2.71*	*0.35*
Frequency of nutrition work (per level)	*-0.30 (-0.89 to 0.29)*	*0.64*	*-0.93 to 0.34*	*0.71*	*1.54 (-1.37 to 4.44)*	*0.45*	*-0.91 to 3.99*	*0.35*
Female (ref: male)	*-0.45 (-2.09 to 1.19)*	*0.85*	*-2.01 to 1.12*	*0.82*	*2.39 (-4.51 to 9.29)*	*0.62*	*-3.64 to 8.42*	*0.54*
Provincial hospital (ref: central)	*0.45 (-1.05 to 1.96)*	*0.85*	*-0.97 to 1.88*	*0.82*	*5.76 (0.02 to 11.50)*	*0.20*	*0.27 to 11.25*	*0.20*
District hospital (ref: central)	*1.00 (-0.76 to 2.75)*	*0.64*	*-0.75 to 2.74*	*0.66*	*6.20 (-0.76 to 13.15)*	*0.20*	*-0.53 to 12.92*	*0.20*
Clinic, other facility or not in hospital (ref: central)	*-1.59 (-3.73 to 0.54)*	*0.64*	*-3.48 to 0.30*	*0.49*	*-0.21 (-9.66 to 9.24)*	*0.97*	*-7.49 to 7.07*	*0.95*
Head nurse or department head (ref: staff nurse)	*-0.88 (-2.24 to 0.48)*	*0.64*	*-2.18 to 0.41*	*0.60*	*0.61 (-4.57 to 5.79)*	*0.91*	*-4.38 to 5.59*	*0.90*
Other position (ref: staff nurse)	*-0.10 (-2.96 to 2.76)*	*0.95*	*-2.52 to 2.32*	*0.95*	*7.11 (-2.43 to 16.65)*	*0.29*	*-2.22 to 16.45*	*0.27*
B. Fully adjusted model (knowledge n = 227, R^2 = 0.111; practice n = 227, R^2 = 0.154)								
Experience >10 years (ref: ≤10)	*0.30 (-0.98 to 1.59)*	*0.79*	*-0.93 to 1.53*	*0.77*	*-5.93 (-10.89 to -0.97)*	*0.17*	*-10.63 to -1.23*	*0.12*
Knowledge score (per item correct)	*n/a*				*-0.30 (-0.91 to 0.31)*	*0.66*	*-0.84 to 0.23*	*0.60*
Role-belief agreement score (per point)	*n/a*				*0.30 (0.05 to 0.54)*	*0.17*	*0.12 to 0.47*	*0.018*
Training: short course <1 month (ref: never)	*0.63 (-0.68 to 1.94)*	*0.57*	*-0.62 to 1.88*	*0.58*	*3.98 (-0.76 to 8.72)*	*0.45*	*-0.85 to 8.81*	*0.38*
Training: 1 month or longer (ref: never)	*0.77 (-2.28 to 3.82)*	*0.79*	*-2.03 to 3.57*	*0.77*	*4.31 (-5.05 to 13.67)*	*0.66*	*-6.44 to 15.06*	*0.77*
Guidelines: hospital internal only (ref: none)	*-0.00 (-1.67 to 1.66)*	*1.00*	*-1.77 to 1.77*	*1.00*	*-5.71 (-13.89 to 2.48)*	*0.51*	*-12.50 to 1.08*	*0.38*
Guidelines: includes national MoH (ref: none)	*0.90 (-0.88 to 2.68)*	*0.57*	*-1.08 to 2.88*	*0.58*	*-2.08 (-10.50 to 6.34)*	*0.86*	*-9.69 to 5.53*	*0.82*
Guidelines: includes	*1.80 (-0.50 to 4.10)*	*0.54*	*-1.27 to 4.87*	*0.58*	*1.46 (-10.70 to*	*0.86*	*-10.37 to 13.28*	*0.86*

ESPEN/ASPEN (ref: none)					*13.62)*			
Guidelines: other only (ref: none)	*-1.70 (-5.31 to 1.92)*	*0.57*	*-4.90 to 1.51*	*0.58*	*-4.17 (-21.96 to 13.63)*	*0.86*	*-16.59 to 8.26*	*0.77*
Frequency of nutrition work (per level)	*-0.40 (-1.03 to 0.22)*	*0.54*	*-1.05 to 0.24*	*0.58*	*1.62 (-1.35 to 4.59)*	*0.66*	*-0.88 to 4.12*	*0.52*
Female (ref: male)	*-0.68 (-2.28 to 0.92)*	*0.59*	*-2.25 to 0.90*	*0.58*	*1.03 (-6.95 to 9.02)*	*0.86*	*-5.03 to 7.10*	*0.86*
Married (ref: not married)	*0.08 (-1.39 to 1.54)*	*0.98*	*-1.33 to 1.48*	*0.98*	*-1.17 (-6.87 to 4.53)*	*0.86*	*-6.58 to 4.24*	*0.86*
Works in Ho Chi Minh City (ref: elsewhere)	*-1.68 (-2.98 to -0.38)*	*0.19*	*-3.07 to -0.29*	*0.29*	*-1.84 (-7.36 to 3.68)*	*0.84*	*-7.35 to 3.67*	*0.77*
Provincial hospital (ref: central)	*0.17 (-1.31 to 1.65)*	*0.93*	*-1.28 to 1.62*	*0.93*	*4.41 (-1.80 to 10.62)*	*0.51*	*-1.25 to 10.07*	*0.38*
District hospital (ref: central)	*1.16 (-0.64 to 2.97)*	*0.54*	*-0.59 to 2.92*	*0.58*	*7.14 (-0.04 to 14.31)*	*0.31*	*0.40 to 13.88*	*0.23*
Clinic, other facility or not in hospital (ref: central)	*-1.46 (-3.60 to 0.68)*	*0.54*	*-3.37 to 0.45*	*0.58*	*0.02 (-9.45 to 9.49)*	*1.00*	*-7.34 to 7.38*	*1.00*
Head nurse or department head (ref: staff nurse)	*-1.28 (-2.68 to 0.11)*	*0.54*	*-2.59 to 0.03*	*0.45*	*-0.69 (-5.57 to 4.18)*	*0.86*	*-5.80 to 4.41*	*0.86*
Other position (ref: staff nurse)	*-1.41 (-4.17 to 1.35)*	*0.57*	*-3.96 to 1.15*	*0.58*	*5.20 (-5.13 to 15.53)*	*0.66*	*-4.63 to 15.02*	*0.60*

b, difference in score points (knowledge 0 to 16; practice 20 to 100). HC3, heteroskedasticity-consistent standard errors with a t reference distribution (the inference used in the manuscript); classical, ordinary least-squares standard errors. q, Benjamini-Hochberg correction across the terms of each model. n/a, term not in that model. No online respondent lacked a province, so the term for a province not reported, estimated in all records (knowledge -3.20 points, 95% CI -4.96 to -1.44, q = 0.007; Results 3.2), is not in these models.

Supplementary Table S2 (continued). Fully adjusted models for the application score, the recall score and their difference (online responses)

Predictor	**Application score, b (95% CI)**	**q**	**Recall score, b (95% CI)**	**q**	**Recall minus application, b (95% CI)**	**q**
Experience >10 years (ref: ≤10)	1.9 (-6.1 to 9.8)	0.86	0.2 (-9.9 to 10.2)	0.97	-1.7 (-7.3 to 4.0)	0.81
Training: short course <1 month (ref: never)	2.5 (-5.7 to 10.8)	0.79	4.7 (-5.2 to 14.6)	0.65	2.1 (-3.6 to 7.9)	0.81
Training: 1 month or longer (ref: never)	-1.5 (-21.5 to 18.4)	0.94	14.0 (-8.1 to 36.1)	0.65	15.6 (1.4 to 29.8)	0.51
Guidelines: hospital internal only (ref: none)	1.7 (-8.8 to 12.2)	0.91	-1.3 (-14.1 to 11.5)	0.89	-3.0 (-10.6 to 4.5)	0.81
Guidelines: includes national MoH (ref: none)	7.6 (-3.8 to 18.9)	0.51	1.8 (-12.2 to 15.8)	0.89	-5.7 (-14.2 to 2.8)	0.74
Guidelines: includes ESPEN/ASPEN (ref: none)	12.4 (-4.1 to 28.9)	0.45	9.5 (-7.2 to 26.3)	0.65	-2.8 (-17.8 to 12.1)	0.81
Guidelines: other only (ref: none)	-11.2 (-35.3 to 12.8)	0.61	-12.8 (-43.1 to 17.4)	0.65	-1.6 (-19.3 to 16.2)	0.86

Frequency of nutrition work (per level)	-1.7 (-5.7 to 2.2)	0.61	-4.0 (-8.9 to 0.9)	0.61	-2.2 (-5.0 to 0.5)	0.58
Female (ref: male)	-5.2 (-14.9 to 4.5)	0.61	-3.2 (-14.9 to 8.5)	0.79	2.0 (-3.5 to 7.6)	0.81
Married (ref: not married)	-1.2 (-10.4 to 8.0)	0.91	4.3 (-7.4 to 15.9)	0.68	5.5 (-0.8 to 11.7)	0.58
Works in Ho Chi Minh City (ref: elsewhere)	-9.3 (-17.7 to -1.0)	0.45	-13.2 (-23.2 to -3.2)	0.16	-3.9 (-10.3 to 2.5)	0.74
Provincial hospital (ref: central)	0.0 (-9.2 to 9.3)	0.99	2.3 (-9.1 to 13.8)	0.85	2.3 (-4.5 to 9.1)	0.81
District hospital (ref: central)	8.2 (-2.5 to 18.8)	0.45	6.3 (-8.3 to 21.0)	0.65	-1.8 (-9.9 to 6.3)	0.81
Clinic, other facility or not in hospital (ref: central)	-10.2 (-23.6 to 3.2)	0.45	-8.7 (-25.4 to 8.0)	0.65	1.5 (-8.0 to 10.9)	0.81
Head nurse or department head (ref: staff nurse)	-7.1 (-15.8 to 1.6)	0.45	-8.3 (-18.7 to 2.1)	0.61	-1.2 (-7.0 to 4.6)	0.81
Other position (ref: staff nurse)	-7.1 (-23.1 to 8.9)	0.61	-11.5 (-32.6 to 9.5)	0.65	-4.4 (-15.7 to 6.8)	0.81

Scores are percentages of the items of each type answered correctly; b in percentage points, HC3. Online responses. Application score: n = 227, R^2 = 0.103; Recall score: n = 227, R^2 = 0.103; Recall minus application: n = 227, R^2 = 0.080.

Supplementary Table S3. Sensitivity analyses

The analysis sets are defined in Section 2.5 of the manuscript and hold 227 (online responses, the main analysis set), 408 (all records), 143, 274 and 103 records, in the order of the rows of each panel. In every panel, n counts the records with complete data for that analysis, so it can be smaller than the set. A knowledge score needs all 16 keyed items, a practice score all 20 practice items, and a model every model variable.

A. More than 10 years of experience, fully adjusted models (the primary models are in Table 2 of the manuscript).

Analysis set	**n**	**Knowledge, b (95% CI)**	**Within ±0.25 SD**	**Excludes 0**	**n**	**Practice, b (95% CI)**	**Within ±0.25 SD**	**Excludes 0**
Online responses (main analysis)	227	0.30 (-0.98 to 1.59)	no	no	227	-5.93 (-10.89 to -0.97)	no	yes
All records	404	0.01 (-0.86 to 0.88)	yes	no	402	-4.88 (-8.24 to -1.53)	no	yes
Records in no group of identical answers	142	-0.11 (-1.62 to 1.40)	no	no	142	-3.08 (-9.12 to 2.96)	no	no
Records without a block answered with a single value	272	0.02 (-1.05 to 1.09)	no	no	270	-2.95 (-6.75 to 0.86)	no	no
Records meeting both of the last two conditions	102	-0.52 (-2.48 to 1.43)	no	no	102	-6.01 (-13.02 to 1.00)	no	no

B. Recall against application items within respondents (secondary analysis; percentage points; percentile bootstrap 95% CI, 10,000 draws, seed 20261020).

Analysis set	**n**	**Recall, % correct**	**Application, % correct**	**Difference, all items (95% CI)**	**Difference, difficulty-matched**	**All 5 recall items correct, %**	**All 9 application items correct, %**

					items (95% CI)		
Online responses (main analysis)	227	78.9	67.7	11.2 (8.8 to 13.5)	1.1 (-1.3 to 3.6)	64.3	11.0
All records	406	76.2	65.3	10.9 (8.8 to 12.9)	1.0 (-1.1 to 3.1)	59.1	8.6
Records in no group of identical answers	143	76.9	65.1	11.8 (8.8 to 14.8)	1.4 (-2.0 to 4.8)	58.0	11.2
Records without a block answered with a single value	274	77.9	67.8	10.0 (7.5 to 12.5)	-0.3 (-2.9 to 2.3)	60.2	8.8
Records meeting both of the last two conditions	103	82.5	69.6	12.9 (9.4 to 16.5)	2.5 (-1.6 to 6.6)	66.0	13.6

Difficulty-matched: each recall item paired with the application item closest to it in percentage correct in the online responses, the main analysis set (B12-B17, B13-B3, B15-B16, B18-B8, B20-B2). These are the five application items selected when the pairs were matched in all records, so every difficulty-matched result is unchanged. Matching on observed percentages correct favours item pairs with similar performance (Results 3.3).

C. Role belief and self-reported practice, fully adjusted model (exploratory), by version of the role-belief score; practice points per point of role belief.

Analysis set	**n**	**13 items, b (95% CI)**	**q**	**14 items (C13 reverse-coded), b (95% CI)**	**q**	**15 items as administered, b (95% CI)**	**q**
Online responses (main analysis)	227	0.297 (0.055 to 0.540)	0.17	0.324 (0.073 to 0.576)	0.17	0.360 (0.101 to 0.618)	0.12
All records	402	0.359 (0.166 to 0.552)	0.005	0.391 (0.190 to 0.592)	0.003	0.418 (0.211 to 0.624)	0.002
Records in no group of identical answers	142	0.378 (0.058 to 0.698)	0.19	0.402 (0.070 to 0.735)	0.17	0.448 (0.099 to 0.798)	0.12
Records without a block answered with a single value	270	0.342 (0.119 to 0.564)	0.053	0.368 (0.139 to 0.597)	0.033	0.394 (0.162 to 0.626)	0.018
Records meeting both of the last two conditions	102	0.370 (0.057 to 0.683)	0.40	0.394 (0.072 to 0.715)	0.32	0.449 (0.102 to 0.796)	0.23

D. More than 10 years of experience, compared with 10 years or fewer, unadjusted estimates added for this revision (online responses and all records).

Outcome	**Analysis set**	**n**	**b (95% CI)**
Knowledge (0 to 16)	Online responses (main analysis)	227	0.11 (-1.04 to 1.25)
Knowledge (0 to 16)	All records	406	0.03 (-0.79 to 0.85)
Self-reported practice (20 to 100)	Online responses (main analysis)	227	-5.57 (-9.89 to -1.24)
Self-reported practice (20 to 100)	All records	406	-4.25 (-7.54 to -0.95)

E. Knowledge analyses repeated on the 11 scored items graded tier A in Table S1 (4 recall, 6 application and 1 statement set; score 0 to 11), with the same respondents as the main analysis.

Analysis	**n**	**Estimate (95% CI)**	**q**	**Within ±0.25 SD**	**Excludes 0**
Experience and knowledge, primary model	227	0.07 (-0.72 to 0.87)	0.95	no	no
Experience and knowledge, fully adjusted model	227	0.11 (-0.74 to 0.96)	0.96	no	no
Experience and practice, fully adjusted model with the tier A	227	-5.97 (-10.93 to -1.01)	0.17	no	yes

score					
Knowledge (per tier A item correct) and practice, same model	227	-0.49 (-1.41 to 0.43)	0.62	n/a	no
Role belief (per point) and practice, same model	227	0.299 (0.059 to 0.540)	0.17	n/a	yes
Recall minus application, percentage points (bootstrap 95% CI)	227	9.4 (6.4 to 12.3)	n/a	n/a	yes

Online responses (n = 227). Tier A score: mean 8.31 (SD 2.85), KR-20 0.844. For experience and knowledge the margin was ±0.71 points, and the 95% CI was wider in both models (minimum detectable difference 1.13 points in the primary model). By the rule in Section 2.6, the primary-model and fully adjusted results agreed with the main analysis (no difference detected in either). Recall 80.3% and application 70.9% correct. Influence check: with each of the 10 items of the contrast dropped in turn, the difference ranged from 4.2 to 12.9 percentage points and its 95% CI excluded zero each time; with each of the 11 items dropped in turn, no 95% CI for experience and knowledge excluded zero. The tier grading was not made by independent content experts, so these analyses do not replace an expert review.

F. More than 10 years of experience, primary model, with the experience answers recorded before the correction of 30 September 2026 (added for this revision).

Analysis set	**Data**	**n**	**Knowledge, b (95% CI)**	**Compared with the corrected file**	**n**	**Practice, b (95% CI)**	**Compared with the corrected file**
Online responses (main analysis)	Corrected file (as in Table 2)	227	0.24 (-0.94 to 1.43)	reference	227	-6.41 (-11.24 to -1.58)[b]	reference
	Experience before correction	227	-0.47 (-1.91 to 0.97)	different	227	-7.27 (-13.04 to -1.49)[b]	consistent
	All model variables before correction	227	-0.47 (-1.91 to 0.97)	different	227	-7.27 (-13.04 to -1.49)[b]	consistent
All records	Corrected file (as in Table 2)	404	0.01 (-0.83 to 0.85)[a]	reference	404	-5.03 (-8.49 to -1.56)[b]	reference
	Experience before correction	404	-0.27 (-1.28 to 0.74)	different	404	-7.15 (-11.20 to -3.09)[b]	consistent
	All model variables before correction	403	-0.09 (-1.11 to 0.94)	different	403	-6.61 (-10.82 to -2.40)[b]	consistent
Records in no group of identical answers	Corrected file (as in Table 2)	142	-0.21 (-1.62 to 1.21)	reference	142	-3.48 (-9.61 to 2.66)	reference
	Experience before correction	142	-0.65 (-2.36 to 1.05)	consistent	142	-2.87 (-11.26 to 5.52)	consistent
	All model variables before correction	142	-0.65 (-2.36 to 1.05)	consistent	142	-2.86 (-11.25 to 5.52)	consistent
Records without a block answered with a single value	Corrected file (as in Table 2)	272	0.21 (-0.77 to 1.19)	reference	270	-2.62 (-6.44 to 1.20)	reference
	Experience before correction	272	-0.03 (-1.27 to 1.20)	different	270	-4.03 (-8.71 to 0.64)	consistent
	All model variables before correction	271	0.21 (-1.02 to 1.45)	consistent	269	-3.46 (-8.25 to 1.33)	consistent
Records meeting both of the last two conditions	Corrected file (as in Table 2)	102	-0.33 (-2.00 to 1.34)	reference	102	-7.95 (-14.82 to -1.08)[b]	reference
	Experience before correction	102	-0.67 (-2.69 to 1.36)	consistent	102	-6.24 (-15.38 to 2.89)	different
	All model variables before correction	102	-0.67 (-2.69 to 1.36)	consistent	102	-6.24 (-15.38 to 2.89)	different

Primary model as in Table 2 of the manuscript. Corrected file: the analysis file of every other result. Experience before correction: the experience answers recorded before 30 September 2026, every other variable from the corrected file. All model variables before correction: every variable of the model from the earlier file, in which hospital level and position also differed. Of the 101 changed experience answers, 88 moved from more than 10 years to 10 or fewer (38 online, 50 paper) and none moved the other way. Consistent: the same sign and the same criteria as the corrected-file estimate in the same set (the rule of Section 2.6); otherwise different. With experience before correction 4 of 10 estimates were different, and with all model variables before correction 3 of 10. [a] 95% CI within ±0.25 SD of the outcome. [b] 95% CI excludes zero.

G. Re-review of the answer key (Section 2.4 of the manuscript): the reviewers' answers, and the knowledge analyses repeated with the 12 keyed items (added for this revision).

G1. Answers of the three reviewers.

Item	Reviewer 1	Reviewer 2	Reviewer 3	Re-review key	Key in the submission	Item type
B1	C	C	C	C	Not scored	Application
B2	C	C	C	C	C	Application
B3	No single answer	No single answer	No single answer	Left out	B	Application
B4	A	A	A	A	A	Application
B5	A	A	A	A	A	Statement set
B6	C	C	C	C	C	Statement set
B7	No single answer	No single answer	No single answer	Left out	Not scored	Not classified
B8	C	C	C	C	C	Application
B9	C	C	C	C	C	Application
B10	B	B	B	B	B	Application
B11	No single answer	No single answer	No single answer	Left out	Not scored	Not classified
B12	A	A	A	A	A	Recall
B13	A	A	A	A	A	Recall
B14	No single answer	No single answer	No single answer	Left out	A	Application
B15	No single answer	No single answer	No single answer	Left out	C	Recall
B16	No single answer	No single answer	No single answer	Left out	A	Application
B17	A	A	A	A	A	Application
B18	No single answer	C	No single answer	Left out	C	Recall
B19	No single answer	C	No single answer	Left out	Not scored	Not classified
B20	A	A	A	A	A	Recall

G2. More than 10 years of experience and knowledge, and recall minus application, with the 12 keyed items, by analysis set.

Analysis set	n	Knowledge, primary model, b (95% CI)	Compared with the 16-item key	Knowledge, fully adjusted model, b (95% CI)	Compared with the 16-item key	n	Recall minus application, percentage points (95% CI)	Compared with the 16-item key
Online responses (main analysis)	227	0.11 (-0.73 to 0.94)	consistent	0.14 (-0.76 to 1.05)	consistent	227	13.1 (9.9 to 16.2)	unchanged
All records	406	-0.01 (-0.59 to 0.56)[a]	different	0.02 (-0.58 to 0.62)[a]	consistent	408	12.4 (9.9 to 15.0)	unchanged
Records in no group of identical answers	142	-0.29 (-1.31 to 0.73)	consistent	-0.19 (-1.29 to 0.91)	consistent	143	15.9 (12.2 to 19.7)	unchanged
Records without a block answered with a single value	272	0.05 (-0.61 to 0.71)	consistent	-0.07 (-0.79 to 0.65)	different	274	11.8 (8.8 to 14.7)	unchanged
Records meeting both of the last two conditions	102	-0.34 (-1.48 to 0.80)	consistent	-0.43 (-1.83 to 0.97)	consistent	103	16.2 (11.7 to 20.7)	unchanged

During manuscript revision, the reviewers re-examined the knowledge items after survey data collection and the initial analyses. We used the resulting key for sensitivity analyses. Reviewer 2 was a clinical nurse and nursing lecturer. Reviewer 3 was a physician. None of the three reviewers was a study author. The label "No single answer" denotes that no option was judged defensible. Free-text and conditional answers received the same label. The keying rule was set on 20 October 2026, before collecting the reviewers' answers. An item was keyed when at least two reviewers chose the same option. All three reviewers gave the same answer for 18 of 20 items (Fleiss' kappa 0.90); reviewers 1 and 3 agreed on 20 of 20 items. Item type as in Section 2.3 of the manuscript; B1, keyed only here, presents a patient case and is an application item. G2: knowledge is the number of the 12 keyed items answered correctly; n counts the records with all 12 keyed items and, for the models, every model variable. Models as in Table 2 and panel A. Recall minus application uses 3 recall and 7 application items (percentile bootstrap 95% CI, 10,000 draws). Compared with the 16-item key in the same set: for the models, the rule of Section 2.6; for the difference, unchanged if it kept its sign and its 95% CI excluded zero. [a] 95% CI within ±0.25 SD of the outcome. [b] 95% CI excludes zero.

Supplementary Table S4. Factor analysis of the role-belief (C1-C15) and practice (D1-D20) items

A. Two-factor solution of the role-belief and practice items together (online responses, n = 227).

Item	Role-belief factor	Practice factor	Communality	In the 13-item role-belief score
C1	0.92	-0.09	0.79	yes
C2	0.91	0.08	0.88	yes
C3	0.92	0.09	0.90	yes
C4	0.82	0.09	0.72	yes
C5	0.84	0.13	0.79	yes
C6	0.83	0.14	0.78	yes
C7	0.71	0.21	0.64	yes
C8	0.93	-0.08	0.82	yes
C9	0.94	-0.03	0.87	yes
C10	0.98	-0.04	0.93	yes
C11	0.96	-0.05	0.90	yes
C12	0.53	-0.19	0.26	no (excluded)
C13	0.68	-0.16	0.42	no (excluded)
C14	0.94	-0.04	0.86	yes
C15	0.92	0.01	0.85	yes
D1	0.15	0.65	0.51	—
D2	0.07	0.50	0.27	—
D3	0.16	0.69	0.57	—
D4	-0.01	0.78	0.61	—
D5	0.08	0.77	0.63	—
D6	-0.03	0.84	0.69	—
D7	-0.11	0.83	0.64	—
D8	-0.08	0.88	0.73	—
D9	-0.14	0.85	0.67	—
D10	0.01	0.82	0.67	—
D11	0.04	0.85	0.75	—
D12	0.00	0.85	0.73	—
D13	0.06	0.85	0.75	—
D14	-0.08	0.87	0.73	—
D15	0.03	0.87	0.78	—
D16	0.13	0.80	0.73	—
D17	0.01	0.87	0.77	—
D18	0.03	0.86	0.75	—
D19	0.07	0.74	0.58	—
D20	-0.03	0.82	0.66	—

Principal-axis factoring of polychoric correlations, oblimin rotation, respondents with complete role-belief and practice items. Factor correlation 0.31. Criterion set before the analysis for treating the two scales as separate constructs: at least 80% of the items of each scale loading 0.40 or more on their own factor and no cross-loading of 0.30 or more; met (13/13 role-belief and 20/20 practice items; 0 cross-loadings). Parallel analysis (500 random data sets, 95th percentile) suggested 3 factors.

B. Two-factor solution of the role-belief items alone, online responses (descriptive only).

Item	Factor 1	Factor 2	Communality
C1	0.86	0.05	0.78
C2	1.01	-0.12	0.92
C3	1.01	-0.09	0.93
C4	0.87	-0.05	0.73
C5	0.98	-0.15	0.83
C6	0.95	-0.11	0.81
C7	0.84	-0.10	0.64

C8	0.76	0.25	0.83
C9	0.85	0.14	0.86
C10	0.89	0.14	0.92
C11	0.84	0.20	0.90
C12	0.15	0.59	0.46
C13	0.29	0.61	0.63
C14	0.83	0.18	0.87
C15	0.78	0.25	0.87

Parallel analysis suggested 2 factors for C1-C15 in the online responses (3 in all records). This solution is unstable: 2 loadings exceed 1, so it is not offered as a structure of the scale.

Supplementary Table S5. Perceived barriers: item-level results (online responses)

Item	Domain	n	Mean (SD)	Agree or strongly agree, %
E1	I. Personal	227	3.05 (1.16)	43.2
E2	I. Personal	227	3.29 (1.04)	48.5
E3	I. Personal	227	3.47 (1.10)	58.6
E4	I. Personal	227	3.59 (1.00)	62.1
E5	I. Personal	227	3.42 (1.10)	55.5
E6	II. Curriculum	227	3.48 (0.93)	53.3
E7	II. Curriculum	227	3.48 (0.98)	55.1
E8	II. Curriculum	227	3.19 (1.06)	43.6
E9	II. Curriculum	227	3.25 (1.07)	47.1
E10	II. Curriculum	227	3.26 (1.05)	45.8
E11	III. Teaching faculty and methods	227	2.99 (1.06)	30.4
E12	III. Teaching faculty and methods	227	3.15 (1.07)	39.6
E13	III. Teaching faculty and methods	227	3.33 (1.04)	48.9
E14	III. Teaching faculty and methods	227	3.29 (1.09)	48.5
E15	III. Teaching faculty and methods	227	3.16 (1.01)	37.4
E16	IV. Clinical environment	227	3.56 (1.05)	62.6
E17	IV. Clinical environment	227	3.00 (1.14)	37.0
E18	IV. Clinical environment	227	2.86 (1.17)	32.6
E19	IV. Clinical environment	227	2.55 (1.22)	25.1
E20	IV. Clinical environment	227	2.68 (1.25)	30.0
E21	V. Professional orientation and motivation	227	3.28 (1.11)	50.7
E22	V. Professional orientation and motivation	227	3.02 (1.21)	39.2
E23	V. Professional orientation and motivation	227	3.22 (1.14)	47.1
E24	V. Professional orientation and motivation	227	3.13 (1.18)	42.7
E25	V. Professional orientation and motivation	227	3.12 (1.23)	43.2

Items rated from 1 (strongly disagree) to 5 (strongly agree); domains as in Table 4 of the manuscript. Item wording is given in the questionnaire (Supplementary File S6).