Supplementary Table S1. Selected characteristics by institution type

Institution	n	Age, median [IQR]	Female, n (%)	First TUS choice, n (%)	High work burden, n (%)	Specialty re-choice yes, n (%)	Institution re-choice yes, n (%)	Accredited yes, n (%)
State university	78	29 [28–31]	56 (71.8)	28 (35.9)	33 (42.3)	33 (42.3)	42 (53.8)	55 (70.5)
Training and research hospital	54	29 [27–30]	33 (61.1)	27 (50.0)	33 (62.3)	25 (46.3)	17 (31.5)	29 (53.7)
City hospital	17	30 [27–31]	13 (76.5)	8 (47.1)	15 (88.2)	2 (11.8)	3 (17.6)	2 (11.8)
Foundation university	9	31 [27–32]	9 (100.0)	4 (44.4)	7 (77.8)	3 (33.3)	3 (33.3)	9 (100.0)

Work-burden percentages use available responses. IQR: interquartile range, TUS: Medical Specialty Examination

Supplementary Table S2. Multinomial logistic-regression sensitivity analysis

Outcome and contrast	Variable	RRR	95% CI	*P*
Pulmonology re-choice: Undecided vs. yes	Age (per year)	1.00	0.92–1.10	0.922
	Female sex	1.24	0.56–2.74	0.593
	Pulmonology first TUS choice	0.34	0.16–0.73	0.006
	High/very high work-hours and night-shift burden	2.56	1.20–5.48	**0.016**
	Training/research-hospital sector	0.89	0.41–1.95	0.778
Pulmonology re-choice: No vs. yes	Age (per year)	1.03	0.92–1.15	0.633
	Female sex	2.98	0.92–9.68	0.070
	Pulmonology first TUS choice	0.36	0.13–1.00	0.050
	High/very high work-hours and night-shift burden	9.06	2.66–30.90	**<0.001**
	Training/research-hospital sector	2.00	0.71–5.63	0.187
Institution re-choice: Undecided vs. yes	Age (per year)	1.04	0.93–1.15	0.513
	Female sex	1.27	0.51–3.15	0.613
	Pulmonology first TUS choice	0.44	0.18–1.11	0.083
	High/very high work-hours and night-shift burden	4.88	2.00–11.90	**<0.001**
	Training/research-hospital sector	2.93	1.10–7.80	0.031
	Resident-reported accredited program	0.28	0.07–1.12	0.071
	Accreditation status unknown	0.45	0.10–2.10	0.311
Institution re-choice: No vs. yes	Age (per year)	1.04	0.93–1.16	0.515
	Female sex	2.34	0.85–6.44	0.099
	Pulmonology first TUS choice	0.43	0.16–1.13	0.087
	High/very high work-hours and night-shift burden	9.24	3.45–24.73	**<0.001**
	Training/research-hospital sector	2.09	0.74–5.85	0.162
	Resident-reported accredited program	0.18	0.04–0.73	**0.017**
	Accreditation status unknown	0.36	0.08–1.75	0.206

Affirmative re-choice is the reference outcome. RRR: relative risk ratio, CI: confidence interval, TUS: Medical Specialty Examination

Supplementary Table S3. Robustness analyses for the principal associations

Sensitivity analysis	Outcome	Variable	OR	95% CI	*P*
Work impact modeled 1–5	Pulmonology re-choice	Pulmonology first TUS choice	2.96	1.45–6.07	**0.003**
	Pulmonology re-choice	Work impact (per 1-category increase)	0.57	0.41–0.78	**<0.001**
	Pulmonology re-choice	Training/research-hospital sector	0.81	0.39–1.69	0.581
	Institution re-choice	Pulmonology first TUS choice	2.35	1.01–5.43	**0.046**
	Institution re-choice	Work impact (per 1-category increase)	0.41	0.28–0.59	**<0.001**
	Institution re-choice	Training/research-hospital sector	0.35	0.14–0.87	**0.023**
	Institution re-choice	Resident-reported accredited program	4.39	1.23–15.69	**0.023**
Four institution categories	Pulmonology re-choice	Pulmonology first TUS choice	2.98	1.44–6.14	**0.003**
	Pulmonology re-choice	TRH vs. state university	1.19	0.54–2.62	0.674
	Pulmonology re-choice	City hospital vs. state university	0.24	0.05–1.22	0.085
	Pulmonology re-choice	Foundation university vs. state university	1.00	0.20–4.89	0.996
	Institution re-choice	Pulmonology first TUS choice	2.31	1.01–5.29	**0.047**
	Institution re-choice	TRH vs. state university	0.35	0.14–0.90	**0.029**
	Institution re-choice	City hospital vs. state university	0.50	0.10–2.60	0.408
	Institution re-choice	Foundation university vs. state university	0.56	0.11–2.93	0.492
	Institution re-choice	Resident-reported accredited program	4.76	1.31–17.25	**0.018**
Additional adjustment for residency duration	Pulmonology re-choice	Residency duration (per category)	1.00	0.74–1.36	0.980
	Pulmonology re-choice	Pulmonology first TUS choice	2.91	1.42–5.94	**0.003**
	Pulmonology re-choice	High/very high work-hours and night-shift burden	0.29	0.14–0.60	**<0.001**
	Pulmonology re-choice	Training/research-hospital sector	0.90	0.43–1.88	0.780
	Institution re-choice	Residency duration (per category)	1.02	0.73–1.42	0.898
	Institution re-choice	Pulmonology first TUS choice	2.30	1.01–5.25	**0.048**
	Institution re-choice	High/very high work-hours and night-shift burden	0.16	0.07–0.35	**<0.001**
	Institution re-choice	Training/research-hospital sector	0.39	0.16–0.95	**0.038**
	Institution re-choice	Resident-reported accredited program	4.37	1.23–15.55	**0.023**
Exclude one identical-pattern record	Pulmonology re-choice	Pulmonology first TUS choice	2.87	1.41–5.86	**0.004**
	Pulmonology re-choice	High/very high work-hours and night-shift burden	0.29	0.14–0.60	**<0.001**
	Pulmonology re-choice	Training/research-hospital sector	0.91	0.44–1.90	0.805
	Institution re-choice	Pulmonology first TUS choice	2.29	1.00–5.21	**0.049**
	Institution re-choice	High/very high work-hours and night-shift burden	0.16	0.07–0.34	**<0.001**
	Institution re-choice	Training/research-hospital sector	0.39	0.16–0.95	**0.039**
	Institution re-choice	Resident-reported accredited program	4.36	1.23–15.47	**0.023**

OR: odds ratio, CI: confidence interval

Supplementary Table S4. Exploratory Likert-item comparisons across three-category re-choice outcomes

Outcome	Item	Kruskal–Wallis H	Raw *P*	BH-FDR q
Pulmonology re-choice	Patients sometimes become unbearable	1.94	0.379	0.4164
	I would want my child to become a physician	6.07	0.048	0.1056
	Patient and physician rights contradict each other	3.02	0.221	0.3041
	Faculty treat me respectfully and recognize my rights	11.77	0.003	**0.0305**
	I show the utmost respect for patient rights	0.31	0.858	0.8579
	The health system prioritizes patient well-being	4.12	0.127	0.2335
	Political authorities show adequate respect for physicians	3.44	0.179	0.2812
	As a pulmonologist, I will help many patients	10.13	0.006	**0.0348**
	Medicine remains a respected profession	7.12	0.028	0.0894
	I protect the rights of junior residents	6.85	0.033	0.0894
	The Turkish Thoracic Society improves specialty quality	2.14	0.343	0.4164
Institution re-choice	Patients sometimes become unbearable	5.75	0.057	0.1036
	I would want my child to become a physician	4.96	0.084	0.1316
	Patient and physician rights contradict each other	2.59	0.274	0.3016
	Faculty treat me respectfully and recognize my rights	35.56	<0.001	**<0.0001**
	I show the utmost respect for patient rights	6.66	0.036	0.0926
	The health system prioritizes patient well-being	3.29	0.193	0.2658
	Political authorities show adequate respect for physicians	0.32	0.851	0.8506
	As a pulmonologist, I will help many patients	14.97	<0.001	**0.0031**
	Medicine remains a respected profession	6.48	0.039	0.0926
	I protect the rights of junior residents	6.34	0.042	0.0926
	The Turkish Thoracic Society improves specialty quality	2.91	0.233	0.2848

Analyses were exploratory; q<0.05 was considered statistically significant. BH-FDR: Benjamini–Hochberg false-discovery rate