

Supplemental Table 4. Analysis excluding license actions related to substance use.

	Univariate Models (full population, with complete data for each covariate) ^a				Multivariable Model 1 (full population, n=48,760 with complete data)				Multivariable Model 2 (subpopulation with CCC reports available, n=21,498 with complete data)			
	HR	p-value	95% CI		HR	p-value	95% CI		HR	p-value	95% CI	
Sex (ref=Female)												
Male	1.55	<0.0001	1.36	1.78	1.63	<0.0001	1.42	1.87	2.49	<0.0001	1.80	3.44
Medical School Country (ref=American)												
International	1.22	0.0005	1.09	1.37	0.96	0.47	0.85	1.08	0.87	0.32	0.67	1.14
ABA Certified (ref=Yes)												
No	3.06	<0.0001	2.75	3.40	-	-	-	-	-	-	-	-
Primary Exam Results (ref= Passed both on first attempt)												
Passed both, multiple attempts for Part 2	1.23	0.03	1.02	1.48	1.21	0.047	1.00	1.46	1.52	0.04	1.01	2.29
Passed both, multiple attempts for Part 1	1.33	0.0006	1.13	1.57	1.36	0.0002	1.15	1.60	2.10	0.0008	1.36	3.23
Passed both, multiple attempts for both	1.52	<0.0001	1.26	1.84	1.54	<0.0001	1.28	1.87	1.96	0.02	1.10	3.51
Passed Part 1 only	3.11	<0.0001	2.47	3.91	3.13	<0.0001	2.49	3.95	3.83	<0.0001	2.30	6.38
Passed neither	3.14	<0.0001	2.70	3.65	3.24	<0.0001	2.76	3.79	4.02	<0.0001	2.75	5.90
Did not finish training	4.09	<0.0001	3.47	4.82	4.29	<0.0001	3.62	5.08	4.38	<0.0001	2.96	6.49
Residency Training Performance (ref= No unsatisfactory report)												
At least one unsatisfactory report	4.97	<0.0001	3.84	6.44	-	-	-	-	3.03	<0.0001	2.26	4.06

Analysis uses the 1,612 cases with the basis not related to substance use as the dependent variable.

^aThe univariate model for residency training performance used the subpopulation with clinical competence committee (CCC) reports available.

In multivariable models, the ABA certification status variable (yes/no) was not included due to its collinearity with primary exam results (majority of non-certified individuals did not pass both Part 1 and Part 2 exams).