Supplemental Digital Table 1

Tetrachoric Correlations Between Binary Variables Considered as Potential Mediators of the Effect of Race/Ethnicity on Mentored K Award Receipt Among U.S. Medical School Graduates in 1997-2004 Who Planned Research-related Careers (N = 27,521)

Binary variable[a]	1	2	3	4
1. Medical school research elective	1.00	–	–	–
2. Medical school authorship	0.76	1.00	–	–
3. Research-intensive medical school	0.26	0.23	1.00	–
4. ≥ 1 GME research year	0.10	0.09	0.10	1.00
5. F32 award	0.14	0.13	0.21	0.45

Abbreviation: GME indicates graduate medical education.
[a]All variables were coded: 0 = no, 1 = yes.

Supplemental Digital Table 2

Correlation Coefficients Between Binary Variables and Each of U.S. Medical Licensing Examination Step 1 and Step 2 CK Scores and Total Debt at Graduation, Which Were Considered as Potential Mediators of the Effect of Race/Ethnicity on Mentored K Award Receipt Among U.S. Medical School Graduates in 1997-2004 Who Planned Research-related Careers (N = 27,521)

Binary variable	Step 1 score[a]	Step 2 CK score[a]	Total debt[b]
Medical school research elective	0.11	0.02	0.06
Medical school authorship	0.11	0.01	0.09
Research-intensive medical school	0.23	0.16	0.16
≥ 1 GME research year	0.12	0.12	0.04
F32 award	0.16	0.15	0.09

Abbreviations: CK indicates clinical knowledge; GME, graduate medical education.

[a]Biserial correlations were run between binary variables and the continuous variables, Step 1 and Step 2CK scores.

[b]Polychoric correlations were run between binary variables and the ordinal variable, total debt, which was categorized as 1= $100,000 or more debt, 2 = $50,000 to $99,999, 3 = $1 to $49,999, and 4 = No debt.

Supplemental Digital Table 3

Correlations Among Total Debt, U.S. Medical Licensing Examination Step l and Step 2 CK Scores, Which Were Considered as Potential Mediators of the Effect of Race/Ethnicity on Mentored K Award Receipt Among U.S. Medical School Graduates in 1997-2004 Who Planned Research-related Careers (N = 27,521)

Variable	Step 1 score	Step 2 CK score
Total debt[a]	0.08	0.05
Step 1 score[b]	–	0.75

Abbreviation: CK indicates clinical knowledge.

[a]Polyserial correlation between total debt and each of Step 1 and Step 2 CK scores.

[b]Pearson product-moment correlation between Step 1 and Step 2 CK scores.

Supplemental Digital Table 4

Cramer's V Measuring Associations Among Categorical Variables Considered as Potential Mediators of the Effect of Race/Ethnicity on Mentored K Award Receipt Among U.S. Medical School Graduates in 1997-2004 Who Planned Research-related Careers (N = 27,521)

Categorical variable	Degree program	Specialty choice
Medical school research elective	0.09	0.21
Medical school authorship	0.16	0.22
Research-intensive medical school	0.09	0.05
≥ 1 GME research year	0.05	0.30
F32 award	0.03	0.07
Total debt	0.12	0.04
Degree program	–	0.05

Abbreviation: GME indicates graduate medical education.

Supplemental Digital Table 5

Mean (SD) U.S. Medical Licensing Examination Step l and Step 2 CK Scores by Categorical Variables Considered as Potential Mediators of the Effect of Race/Ethnicity on Mentored-K Award Receipt Among U.S. Medical School Graduates in 1997-2004 Who Planned Research-related Careers (N = 27,521)

Categorical variable	Step l Score Mean (SD)	Step 2CK Score Mean (SD)
Specialty choice		
Internal medicine	223.4 (20.0)	223.4 (22.5)
Family medicine	210.3 (21.6)	210.9 (22.7)
Pediatrics	218.5 (19.9)	219.7 (21.8)
Obstetrics-gynecology	216.3 (19.3)	217.9 (21.7)
No or undecided about board certification	218.2 (20.3)	218.3 (22.0)
Surgery specialties	225.6 (19.4)	220.1 (21.6)
All other specialties	221.3 (20.5)	217.8 (23.1)
Degree program		
MD degree	221.6 (20.3)	219.9 (22.5)
MD-other-advanced degree	220.8 (21.6)	216.8 (24.2)
MD-PhD degree	226.4 (17.8)	219.0 (22.6)

Abbreviation: SD indicates standard deviation; CK, clinical knowledge.