

Supplementary Data

Appendix 1

Adult Neurology program characteristics for overall analytic sample and ERAS population

Specialty	Overall Analytic Sample	Total ERAS Population^a
Adult Neurology, n (%)	85 (49)	173 (100)
Average Number of Applications Received, mean (SD)	311.18 (97.30)	651.25 (186.20)
Region, n (%)		
Central	22 (25)	39 (22)
Northeast	26 (30)	50 (29)
Southern	24 (28)	55 (31)
Western	13 (15)	28 (16)
Program Size, n (%)		
Total Residents Tercile 1 (≤11)	17 (20)	54 (34)
Total Residents Tercile 2 (12-15.9)	34 (40)	56 (35)
Total Residents Tercile 3 (>15.9)	34 (40)	48 (30)

^a Some total Ns may be smaller than the total ERAS sample because some programs do not have relevant GME data

Appendix 2

Anesthesiology program characteristics for overall analytic sample and ERAS population

Specialty	Overall Analytic Sample	Total ERAS Population^a
Anesthesiology, n (%)	105 (66)	159 (100)
Average Number of Applications Received, mean (SD)	1207.8 (316.21)	1488.99 (387.24)
Region, n (%)		
Central	27 (25)	37 (23)
Northeast	28 (26)	52 (32)
Southern	35 (33)	45 (28)
Western	15 (14)	24 (15)
Program Size, n (%)		
Total Residents Tercile 1 (≤26)	27 (26)	51 (33)
Total Residents Tercile 2 (27-50)	36 (34)	51 (33)
Total Residents Tercile 3 (>51)	40 (38)	51 (33)

^a Some total Ns may be smaller than the total ERAS sample because some programs do not have relevant GME data

Romanoski NL, Morgan HK, Kerlek A, et al. The relative influence of program signaling, geographic preferences, and in-state status in determining odds of interview invitation in residency selection. *J Grad Med Educ.* 2024;17(1):56-62. DOI:http://dx.doi.org/10.4300/JGME-D-24-00215.1

Appendix 3

Dermatology program characteristics for overall analytic sample and ERAS population

Specialty	Overall Analytic Sample	Total ERAS Population ^a
Dermatology, n (%)	67 (49)	137 (100)
Average Number of Applications Received, mean (SD)	590.31 (82.78)	615.32 (125.95)
Region, n (%)		
Central	17 (25)	34 (24)
Northeast	17 (25)	37 (27)
Southern	24 (35)	46 (33)
Western	9 (13)	20 (14)
Program Size, n (%)		
Total Residents Tercile 1 (≤8)	20 (29)	47 (34)
Total Residents Tercile 2 (9-12)	25 (37)	47 (34)
Total Residents Tercile 3 (>12)	22 (32)	42 (30)

^a Some total Ns may be smaller than the total ERAS sample because some programs do not have relevant GME data

Appendix 4

Internal Medicine program characteristics for overall analytic sample and ERAS population

Specialty	Overall Analytic Sample	Total ERAS Population ^a
Internal Medicine, n (%)	292 (48)	609 (100)
Average Number of Applications Received, mean (SD)	962.28 (740.84)	2980.5 (1674.52)
Region, n (%)		
Central	73 (25)	126 (21)
Northeast	74 (25)	181 (30)
Southern	102 (34)	196 (32)
Western	43 (14)	93 (15)
Program Size, n (%)		
Total Residents Tercile 1 (≤30)	87 (30)	206 (37)
Total Residents Tercile 2 (31-51)	88 (30)	164 (29)
Total Residents Tercile 3 (>51)	113 (39)	185 (33)

^a Some total Ns may be smaller than the total ERAS sample because some programs do not have relevant GME data

Appendix 5

Neurosurgery program characteristics for overall analytic sample and ERAS population

Specialty	Overall Analytic Sample	Total ERAS Population ^a
Neurosurgery, n (%)	57 (50)	115 (100)
Average Number of Applications Received, mean (SD)	238.28 (40.07)	290.9 (43.29)
Region, n (%)		
Central	11 (19)	26 (22)
Northeast	17 (29)	36 (31)
Southern	19 (33)	35 (30)
Western	10 (17)	18 (15)
Program Size, n (%)		
Total Residents Tercile 1 (≤11)	17 (29)	39 (34)
Total Residents Tercile 2 (12-16)	13 (22)	35 (31)
Total Residents Tercile 3 (>16)	27 (47)	38 (33)

^a Some total Ns may be smaller than the total ERAS sample because some programs do not have relevant GME data

Appendix 6

Pediatrics program characteristics for overall analytic sample and ERAS population

Specialty	Overall Analytic Sample	Total ERAS Population ^a
Pediatrics, n (%)	162 (78)	207 (100)
Average Number of Applications Received, mean (SD)	582.77 (251.5)	1081.14 (334.89)
Region, n (%)		
Central	43 (26)	45 (21)
Northeast	45 (27)	65 (31)
Southern	52 (32)	69 (33)
Western	22 (13)	28 (13)
Program Size, n (%)		
Total Residents Tercile 1 (≤27)	44 (27)	68 (34)
Total Residents Tercile 2 (28-49)	55 (34)	68 (34)
Total Residents Tercile 3 (>49)	59 (37)	64 (32)

^a Some total Ns may be smaller than the total ERAS sample because some programs do not have relevant GME data

Appendix 7

Physical medicine and rehabilitation program characteristics for overall analytic sample and ERAS population

Specialty	Overall Analytic Sample	Total ERAS Population^a
Physical medicine and rehabilitation, n (%)	76 (74)	103 (100)
Average Number of Applications Received, mean (SD)	438.59 (83.13)	496.34 (132.32)
Region, n (%)		
Central	22 (28)	26 (25)
Northeast	23 (30)	33 (32)
Southern	21 (27)	29 (28)
Western	10 (13)	13 (12)
Program Size, n (%)		
Total Residents Tercile 1 (≤12)	24 (32)	35 (37)
Total Residents Tercile 2 (13-18)	26 (34)	31 (32)
Total Residents Tercile 3 (>18)	25 (33)	28 (29)

^a Some total Ns may be smaller than the total ERAS sample because some programs do not have relevant GME data

Appendix 8

Psychiatry program characteristics for overall analytic sample and ERAS population

Specialty	Overall Analytic Sample	Total ERAS Population ^a
Psychiatry, n (%)	195 (67)	291 (100)
Average Number of Applications Received, mean (SD)	620.41 (237.31)	913.44 (289.44)
Region, n (%)		
Central	45 (23)	60 (20)
Northeast	57 (29)	94 (32)
Southern	64 (32)	91 (31)
Western	29 (14)	44 (15)
Program Size, n (%)		
Total Residents Tercile 1 (≤19)	66 (34)	97 (36)
Total Residents Tercile 2 (20-30)	56 (29)	90 (33)
Total Residents Tercile 3 (>30)	70 (36)	82 (30)

^a Some total Ns may be smaller than the total ERAS sample because some programs do not have relevant GME data

Appendix 9

Surgery program characteristics for overall analytic sample and ERAS population

Specialty	Overall Analytic Sample	Total ERAS Population ^a
Surgery, n (%)	144 (42%)	339 (100)
Average Number of Applications Received, mean (SD)	649.59 (248.18)	1117.24 (416.94)
Region, n (%)		
Central	40 (27)	81 (24)
Northeast	37 (25)	106 (31)
Southern	45 (31)	101 (29)
Western	22 (15)	49 (14)
Program Size, n (%)		
Total Residents Tercile 1 (≤17)	54 (39)	107 (33)
Total Residents Tercile 2 (18-30)	54 (39)	104 (33)
Total Residents Tercile 3 (>30)	30 (21)	104 (33)

^a Some total Ns may be smaller than the total ERAS sample because some programs do not have relevant GME data