

Feinstein M, Niforatos JD, Mosteller L, Chelnick D, Raza S, Otteson T. Association of Doximity ranking and residency program characteristics across 16 specialty training programs. *J Grad Med Educ.* 2019;11(5):580–584.

### Supplemental Material

#### TABLE

#### Reasons for Exclusion from Analysis

<b>Specialty</b>	<b>Reason for exclusion from analysis</b>
Child neurology	Founding year data anomalous
Interventional radiology (integrated)	"Sort by rank" option unavailable
Medical genetics	"Sort by rank" option unavailable
Medicine/Pediatrics	Founding year data anomalous
Nuclear medicine	BRIMR does not report NIH funding for this specialty
Ophthalmology	Founding year unavailable for more than 20% of programs
Plastic surgery	BRIMR does not report NIH funding for this specialty
Preventive medicine	"Sort by rank" option unavailable
Radiation oncology	BRIMR does not report NIH funding for this specialty
Surgery	Founding year unavailable for more than 20% of programs
Thoracic surgery (integrated)	"Sort by rank" option unavailable
Vascular surgery (integrated)	"Sort by rank" option unavailable

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**TABLE**

R2 Values for Models and Parameter Estimates for Departmental NIH Funding, Association with *US News & World Report* Ranked Medical School, and Residency Program Age

	Parameter estimate for total # residents and Doximity rank			Parameter estimate for 2018 NIH funding (per \$100,000) and Doximity rank		Parameter estimate for 2019 USNWR-ranked medical school (yes or no) and Doximity rank		Parameter estimate for residency program age (in years) and Doximity rank		R2 for model	Programs excluded due to missing data (%)
	Parameter estimate	Confidence interval	P-Value	Parameter estimate	P-Value	Parameter estimate	P-Value	Parameter estimate	P-Value		
Anesthesiology	-0.797	-0.982, -0.6127	< 0.001	-0.284	0.003	19.455	< 0.001	-0.308	0.005	0.720	1.97%
Dermatology	-3.519	-4.482, -2.5572	< 0.001	-0.345	0.027	14.748	0.005	-0.330	0.004	0.616	6.29%
Emergency medicine	-1.533	-1.957, -1.109	< 0.001	-0.211	0.263	30.759	< 0.001	-2.364	< 0.001	0.710	2.94%
Family medicine	-4.54	-5.88, -3.190	< 0.001	-1.16	0.207	93.42	< 0.001	-4.880	< 0.001	0.501	6.57%
Internal medicine	-1.4612	-1.7560, -1.1663	< 0.001	-0.0242	0.48	86.8442	< 0.001	-2.291	< 0.001	0.661	0.94%
Neurology	-1.3952	-2.032, -0.7584	< 0.001	-0.086	< 0.001	19.7116	0.003	-0.517	< 0.001	0.628	14.94%
Neurosurgery	-3.824	-4.693, -2.9552	< 0.001	-0.12	0.144	13.769	0.005	-0.107	0.294	0.672	5.98%
Obstetrics & gynecology	-3.543	-4.356, -2.73026	< 0.001	-0.384	0.047	51.674	< 0.001	-0.935	< 0.001	0.650	9.96%
Orthopedic surgery	-2.324	-2.945, -1.703	< 0.001	-0.496	0.006	24.225	< 0.001	-0.678	< 0.001	0.640	16.92%

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Otolaryngology	-3.905	-4.504, -3.3059	< 0.001	-0.147	0.008	13.689	< 0.001	-0.196	0.014	0.814	4.96%
Pathology	-3.015	-3.691, -2.3393	< 0.001	-0.0732	0.023	12.5521	0.022	-0.254	0.084	0.630	6.99%
Pediatrics	-1.0989	-1.292, -0.90613	< 0.001	-0.0668	0.041	34.1403	< 0.001	-0.379	< 0.001	0.723	0.47%
Phys. Med. & Rehab.	-1.033	-1.628, -0.43712	< 0.001	-0.398	0.049	23.466	< 0.001	-0.131	0.189	0.567	5.62%
Psychiatry	-1.7208	-2.1717, -1.2698	< 0.001	-0.0323	0.273	31.487	< 0.001	-1.220	< 0.001	0.738	4.82%
Radiology (diagnostic)	-1.813	-2.347, -1.2789	< 0.001	-0.113	0.012	33.863	< 0.001	-0.561	0.006	0.679	17.95%
Urology	-6.32324	-7.6934, -4.95312	< 0.001	-0.59005	0.003	13.11436	0.013	-0.007	0.396	0.595	2.13%

Abbreviations: Phys. Med. & Rehab, Physical Medicine and Rehabilitation; NIH, National Institutes of Health; USNWR, *US News & World Report*.

Note: The negative value of the beta for the program-size relationship indicates that a larger residency program correlates with a lower (ie, improved) rank number.