

Supplemental Digital Table 1
Distribution of Candidate Hospitals that Could Support a General Surgery Residency Program and Predicted Number of General Surgery Residents, by State

State	No. hospitals	No. residents
Alabama	5	16
Arizona	1	2
California	9	23
Colorado	3	8
Connecticut	3	9
Florida	5	14
Georgia	2	5
Idaho	1	3
Illinois	9	24
Indiana	5	14
Iowa	8	24
Kentucky	5	14
Louisiana	3	7
Maine	2	6
Maryland	2	5
Michigan	4	13
Minnesota	5	15
Mississippi	2	5
Missouri	2	7
Montana	2	5
Nebraska	5	14
Nevada	2	5
New Hampshire	1	2
New Jersey	3	8
New York	4	12
North Carolina	3	8
North Dakota	2	7
Ohio	4	11
Oklahoma	5	14
Oregon	1	3
Pennsylvania	5	15
South Carolina	4	11
South Dakota	2	7
Texas	14	41
Utah	1	3

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Virginia	4	10
Washington	5	13
West Virginia	1	3
Wisconsin	9	29

Supplemental Digital Table 2
Comparison of Actual Resident Complement with Model Prediction
of Candidate Hospitals that Could Support a General Surgery
Residency Program

Actual resident complement	No. programs	Predicted within 1 resident (no, %)	Predicted within 2 residents (no, %)
2	27	1 (3.7)	7 (25.9)
3	48	18 (37.5)	42 (87.5)
4	39	35 (89.7)	38 (97.4)
5	41	40 (97.6)	40 (97.6)
6	38	35 (92.1)	38 (100)
7	17	3 (17.7)	14 (82.4)
8	16	1 (6.3)	7 (43.8)
9	7	0 (0)	0 (0)
10	3	0 (0)	0 (0)
11	1	0 (0)	0 (0)
12	1	0 (0)	0 (0)
13	1	0 (0)	0 (0)
Total	239	133 (55.7)	186 (77.8)