

# NRMP

National Resident Matching Program



Tomorrow's Doctors, Tomorrow's Cures®

# Charting Outcomes in the Match

**Characteristics of Applicants Who Matched to Their Preferred Specialty in the 2009 Main Residency Match**

**3rd Edition**

**Prepared by:**

National Resident Matching Program  
and Association of American Medical Colleges

**August 2009**

An earlier version of Charting Outcomes in the Match, 2009 contained significant errors that have been corrected.

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The work of Philip Szenas in the preparation of this report is gratefully acknowledged.

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The first edition of *Charting Outcomes in the Match* was published in August 2006 using data from the 2005 Main Residency Match. The second edition, published in August 2007 and based on the 2007 Match, built on the original report by adding two specialties (Otolaryngology and Neurology), incorporating several additional measures, and conducting regression analyses to predict match success.

The 2009 report is based on the 2009 Match and includes one new specialty (Neurological Surgery) and two new measures (number of work and volunteer experiences). For this edition, the regression analyses have been replaced with two graphs for each specialty showing the relationship between the number of contiguous programs ranked (number of programs in the first-choice specialty before another specialty appears on the rank order list) and USMLE Step 1 scores and the probability of matching to the preferred specialty. These changes should provide more useful information for applicants and advisors as they prepare for the Match.

For the purposes of this report, match success is defined as a match to the specialty of the applicant's first-ranked program, because that is assumed to be the specialty of choice. Lack of success includes matching to another specialty as well as failure to match at all. No distinction was made based on whether applicants matched to their first, second, third, or last choice.

Combining data from the NRMP, the database of AAMC's Electronic Residency Application Service (ERAS), USMLE scores made available by the National Board of Medical Examiners (NBME) and the Educational Commission for Foreign Medical Graduates (ECFMG), and other AAMC data sources, we identified twelve applicant characteristics. NBME and ECFMG have granted permission to use USMLE scores, and the National Resident Matching Program and the Association of American Medical Colleges have collaborated to produce this report.

Because graduating seniors from U.S. allopathic medical schools match at higher rates than do other applicant groups, and because some of those groups contain small numbers of applicants, this report distinguishes only two types of applicants: U.S. seniors and independent applicants.<sup>1</sup> It should be noted, however, that the independent applicant category is a heterogeneous group. Moreover, because independent applicants match to their preferred specialties at much lower rates than do U.S. seniors, the specialty-specific probability graphs for independent applicants are less predictive of success.

### Summary

Some general observations apply to all of the specialties in this report. Applicants who are successful in matching to their preferred specialty are more likely to:

- Rank more programs within their preferred specialty
- Be U.S. seniors
- Have higher USMLE Step 1 and Step 2 scores
- Be members of AOA

Although some other measures seemed to be related to match success for some specialties, the relationships were not consistent enough to draw broad conclusions across specialties. In addition, the data sources used for *Charting Outcomes* do not include other important applicant factors such as course evaluations, reference letters, and the Medical School Performance Evaluation.

Despite the fairly strong relationship between USMLE Step scores and match success, the distributions of scores show that program directors consider other qualifications, and a high score is not a guarantee of success. Even in the most competitive specialties a few individuals with higher scores are not successful. Neither is a lower score a bar to success. In the less competitive specialties, U.S. seniors with scores slightly above passing usually match to their preferred specialties.

The data also are reassuring because they indicate that at least some programs do not employ an arbitrary cutoff or decline to consider applicants with less than excellent test performance.

The data in this report support the following straightforward advice one should give to an applicant.

- Rank all of the programs you really want, without regard to your estimate of your chances with those programs.
- Include a mix of both highly competitive and less competitive programs within your preferred specialty.
- Include all of the programs on your list where the program has expressed an interest in you and where you would accept a position.
- If you are applying to a competitive specialty and you would want to have a residency position in the event you are unsuccessful in matching to a program in your preferred specialty, also rank your most preferred programs in an alternate specialty.
- Include all of your qualifications in your application, but know that you do not have to be AOA, to have the highest USMLE scores, to have publications, or to have participated in research projects to match successfully.

Program directors and applicants will find the tables and charts for the specialty of their particular interest later in this report.

For questions, comments or more information, please contact:

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<sup>1</sup> Independent applicants are defined on page 2.

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## Tables and Charts for All Specialties

**Chart  
1**

**Active Applicants in the 2009 Main Residency Match  
by Applicant Type**

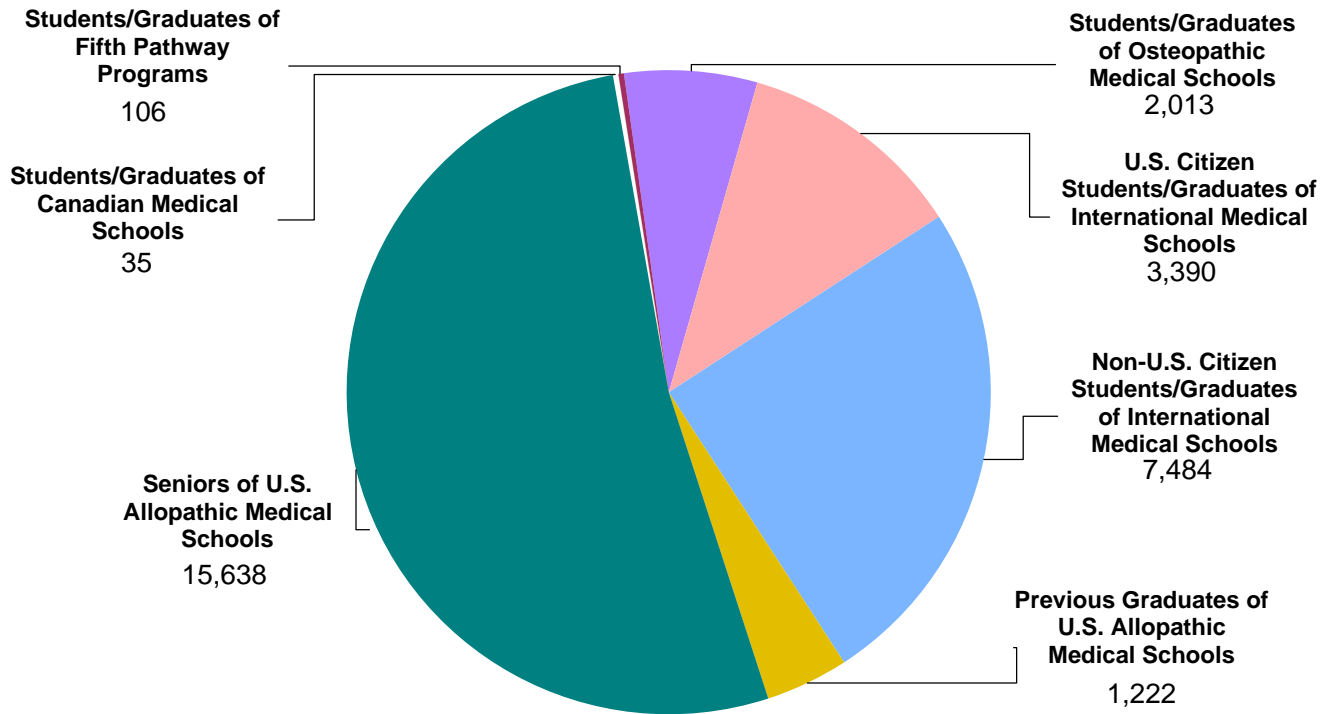


Chart 1 shows the number of active applicants (applicants who submitted rank order lists of programs) by applicant type. U.S. allopathic medical school seniors constitute 52.3 percent of the applicants in this report. The next largest group is non-U.S. citizen students and graduates of international medical schools (25.0%). For the remainder of this report, all applicants who are not U.S. allopathic seniors will be grouped into the "independent applicants" category.

**Table  
1**

**Number of Applicants and Positions in the 2009 Main Residency Match  
by Preferred Specialty**

Preferred Specialty	Total Positions Offered	Total Number of Applicants	Number of Applicants Per Position	U.S. Seniors		Independent Applicants	
				Matched	Not Matched	Matched	Not Matched
Anesthesiology	1,374	1,729	1.3	1,103	91	225	310
Dermatology	338	567	1.7	286	125	48	108
Emergency Medicine	1,515	1,817	1.2	1,153	92	317	255
Family Medicine	2,535	3,302	1.3	1,040	23	973	1,266
Internal Medicine	5,169	7,697	1.5	2,726	66	2,113	2,792
Neurological Surgery	191	295	1.5	171	44	19	61
Neurology	581	704	1.2	305	11	226	162
Obstetrics and Gynecology	1,185	1,591	1.3	874	67	283	367
Orthopaedic Surgery	641	923	1.4	586	158	53	126
Otolaryngology	275	373	1.4	260	66	10	37
Pathology-Anatomic and Clinical	522	708	1.4	315	21	164	208
Pediatrics	2,471	2,774	1.1	1,674	33	593	474
Physical Medicine and Rehabilitation	370	479	1.3	162	9	179	129
Plastic Surgery	101	191	1.9	85	77	12	17
Psychiatry	1,063	1,563	1.5	643	38	371	511
Diagnostic Radiology	1,095	1,477	1.4	931	155	134	257
Radiation Oncology	156	179	1.1	134	21	8	16
General Surgery	1,065	1,630	1.5	767	133	218	512
Internal Medicine/Pediatrics	354	393	1.1	238	14	80	61
Transitional Year	981	325	0.3	193	68	15	49

\*Preferred specialty is the specialty ranked first on an applicant's rank order list, excluding preliminary programs in specialties except Transitional Year.

Note: Only integrated Plastic Surgery programs participate in the National Resident Matching Program.

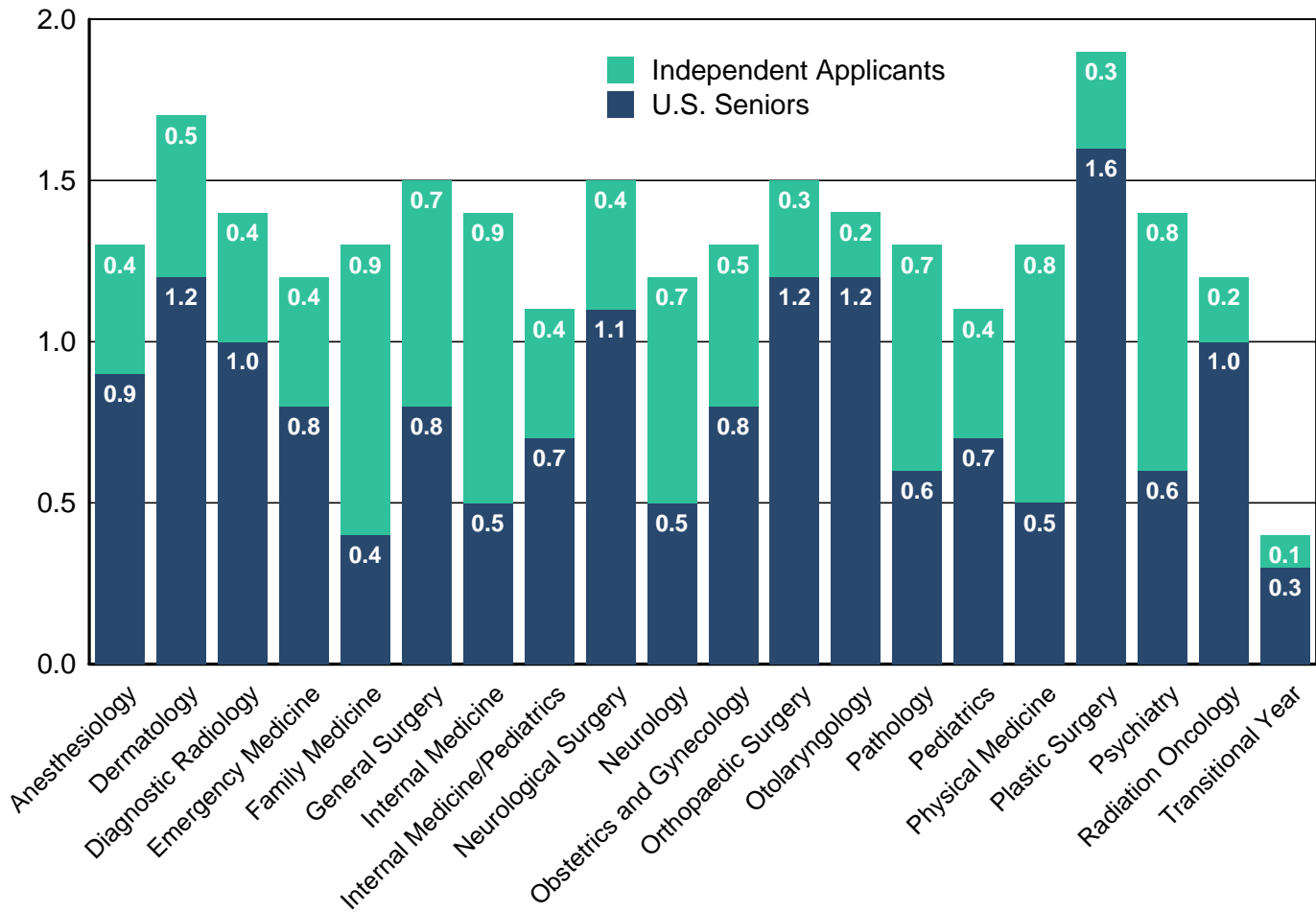
For those specialties where both exist, PGY-1 and PGY-2 positions have been combined

Source: NRMP Data Warehouse.

Table 1 provides a summary of the numbers of applicants and positions for selected specialties. Only those specialties offering 50 or more positions are included. The numbers of applicants matched by applicant type (U.S. senior and independent applicants) also are provided in this table.

**Chart  
2**

**Ratio - Applicants Ranking Specialty First / Available Positions  
by Preferred Specialty**



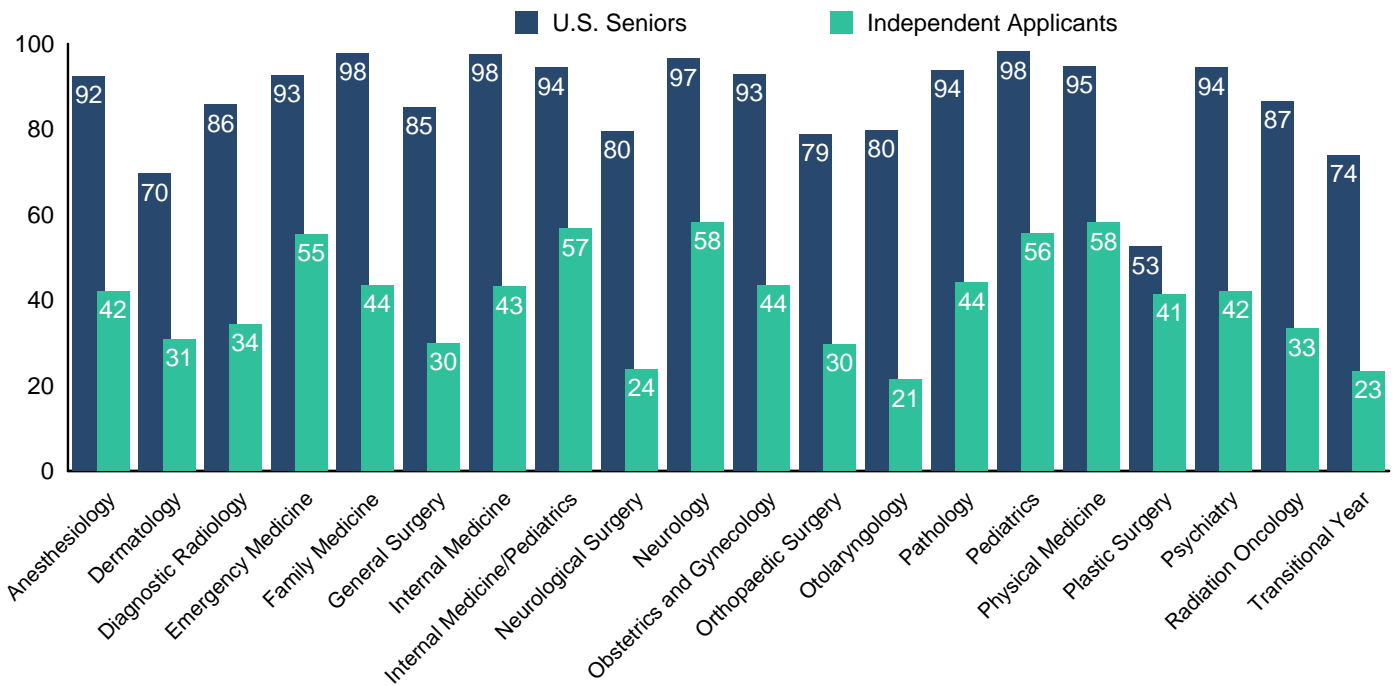
Source: NRMP Data Warehouse

Chart 2 shows the ratios of U.S. seniors and independent applicants to available positions in each specialty. All specialties except Dermatology, Neurological Surgery, Orthopaedic Surgery, Otolaryngology, and Plastic Surgery have enough positions to accommodate all U.S. seniors who prefer that specialty. As the number of applicants has increased in recent years, fewer specialties have offered enough positions for all applicants who prefer that specialty.



**Chart  
3**

**Match Rates**  
*Percent Matched by Preferred Specialty and Applicant Type*



Source: NRMP Data Warehouse.

Chart 3 shows the percentages of U.S. seniors and independent applicants who matched to their preferred specialty. Overall, 91.2 percent U.S. seniors matched to their preferred specialty, ranging from a high of 98.1 percent (Pediatrics) to a low of 52.5 percent (Plastic Surgery). For independent applicants, the overall match rate was 43.9 percent, ranging from a high of 58.2 percent (Neurology) to a low of 21.3 percent (Otolaryngology). In general, independent applicants are less successful in matching to their preferred specialty than are U.S. seniors.

**Table 2** **Summary Statistics**  
**All Specialties Combined**

Measure	U.S. Seniors		Independent Applicants	
	Matched (n=13,646)	Unmatched (n=1,312)	Matched (n=6,041)	Unmatched (n=7,718)
1. Mean number of contiguous ranks	9.4	5.1	5.9	2.7
2. Mean number of distinct specialties ranked	1.2	1.6	1.3	1.5
3. Mean USMLE Step 1 score	225	216	217	207
4. Mean USMLE Step 2 score	231	216	221	209
5. Mean number of research experiences	2.2	2.3	1.3	1.2
6. Mean number of abstracts, presentations, and publications	2.8	2.9	2.5	2.7
7. Mean number of work experiences	2.7	2.6	3.3	3.7
8. Mean number of volunteer experiences	6.2	5.3	3.5	2.4
9. Percentage who are AOA members	15.3	6.3	n/a	n/a
10. Percentage who graduated from one of the 40 U.S. medical schools with the highest NIH funding	35.0	25.5	n/a	n/a
11. Percentage who have Ph.D. degree	4.2	3.9	n/a	n/a
12. Percentage who have another graduate degree	11.0	13.6	n/a	n/a

n/a: The measure either does not apply to, applies to only a small percentage of, or no reliable data were available for independent applicants.

*Sources.* Measures 1, 2, and match outcome are from the NRMP Data Warehouse; measures 3 and 4 are from the AAMC Data Warehouse and from the ECFMG, both by permission of the NBME and ECFMG; measures 5-9 are from the AAMC Data Warehouse; measure 10 is from the NIH website (<http://report.nih.gov/award/trends/AggregateDate.cfm> Medical Schools Only.xls); and measures 11 and 12 are from the AAMC Data Warehouse.

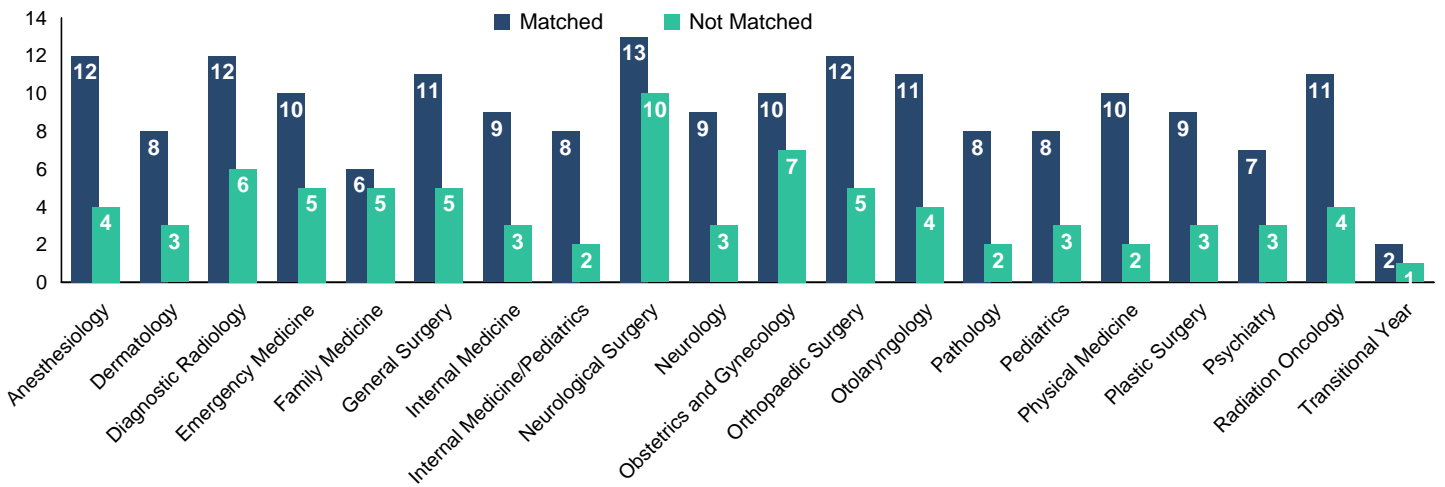
Note: USMLE Step 1 scores are not available for most osteopathic medical school graduates included in the independent applicant group. Approximately 30 percent of U.S. allopathic medical school seniors do not take the USMLE Step 2 prior to the Match.

Table 2 provides summary statistics by applicant type and match outcome on the 12 measures presented in this report. Data on each of these measures will be displayed graphically by preferred specialty on the following pages. Of the 12 measures, only the United States Medical Licensing Examination (USMLE) Step 1 and Step 2 scores had significant missing data. Overall, there were Step 1 scores for 92.9 percent of applicants. Almost all of the applicants who did not have Step 1 scores were osteopathic medical school seniors and graduates who either take an alternative examination (the Comprehensive Osteopathic Medical Licensing Examination, or COMLEX-USA) or who take the USMLE exams but whose data are not shared with the AAMC. Step 2 scores were available for 79.0 percent of the applicants. In addition to missing Step 2 scores for the osteopathic applicants, only 73.2 percent of U.S. seniors had Step 2 scores. The missing data for U.S. seniors can be attributed to the fact that few medical schools require students to take and/or pass the Step 2 examination prior to the NRMP's rank order list deadline.

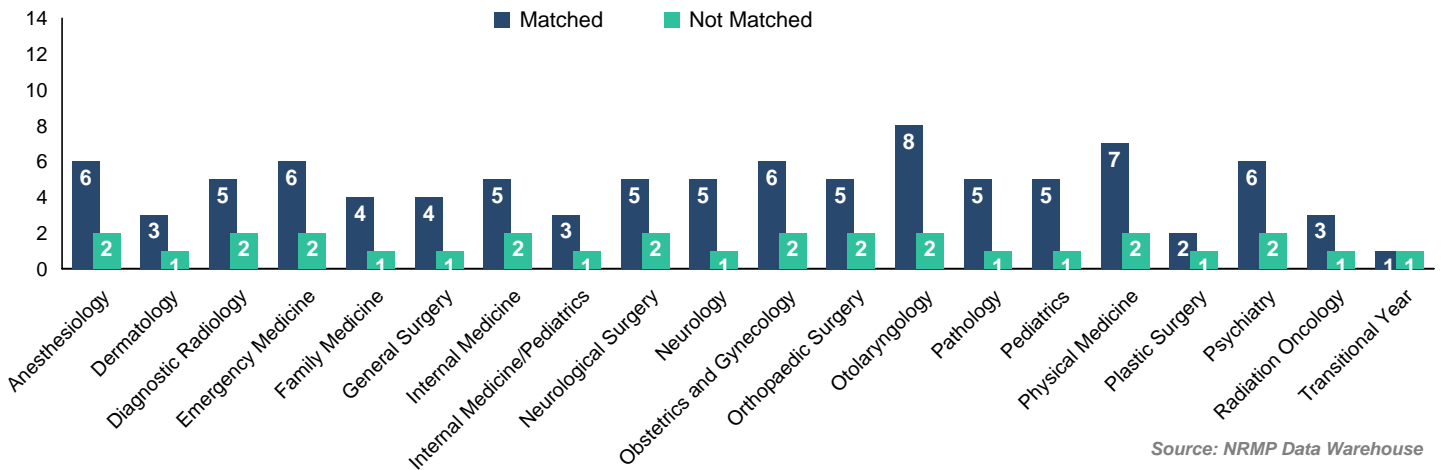
**Chart  
4**

**Median Number of Contiguous Ranks  
by Preferred Specialty, Applicant Type, and Match Status**

**U.S. Seniors**



**Independent Applicants**



Source: NRMP Data Warehouse

In general, applicants are more likely to be successful if they rank more programs in their desired specialty. To quantify this aspect of applicant behavior, we tallied the number of programs ranked in the first-choice specialty before a program in another specialty appeared on the applicant's rank order list.

Chart 4 provides the median number of contiguous ranks by preferred specialty for U.S. seniors and independent applicants who matched and did not match. The top panel shows significant variation across the specialties for U.S. seniors. Neurological Surgery had the longest average contiguous rank list for matched U.S. seniors (13) and Family Medicine (6) and Transitional Year (2) had the shortest. In general, U.S. senior applicants who preferred the more competitive specialties submitted longer contiguous lists. For all specialties U.S. seniors who matched to their preferred specialty had median contiguous rank lists that were longer than U.S. seniors who did not match.

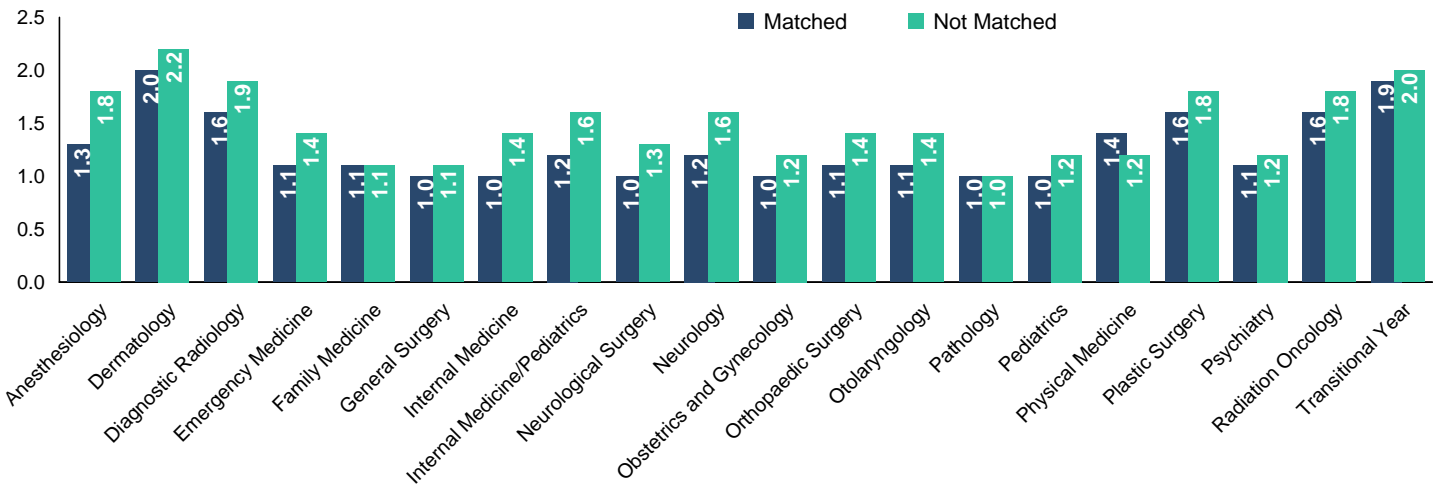
A similar pattern can be found for independent applicants, although their lists are shorter than the lists submitted by U.S. seniors. Independent applicants who matched had longer contiguous lists compared with independent applicants who did not match to their preferred specialty.

The principal message of these graphs is that applicants with longer rank order lists are more successful than those with shorter ones. The NRMP has been recommending longer list for many years, but some applicants apparently do not heed the advice. Others may have shorter lists because they found only a few programs willing to entertain their applications or because they could not afford a large number of interview trips.

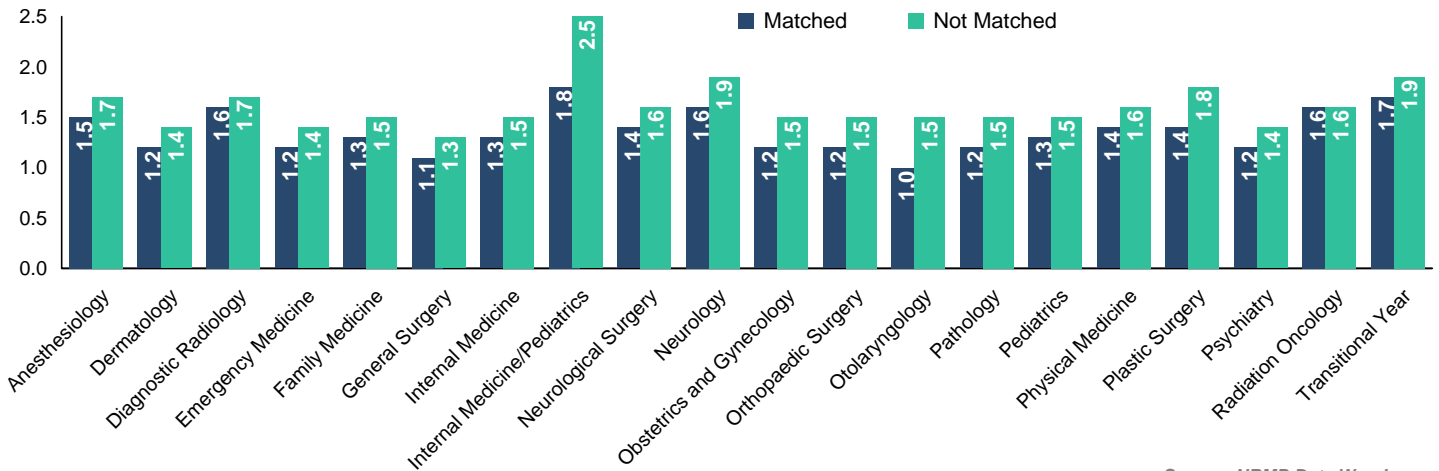
**Chart  
5**

**Mean Number of Different Specialties Ranked  
by Preferred Specialty, Applicant Type, and Match Status**

**U.S. Seniors**



**Independent Applicants**



Source: NRMP Data Warehouse

Some applicants are interested in a single specialty while others consider two or more. Chart 5 displays the average number of different specialties ranked by applicant type, preferred specialty, and match outcome.

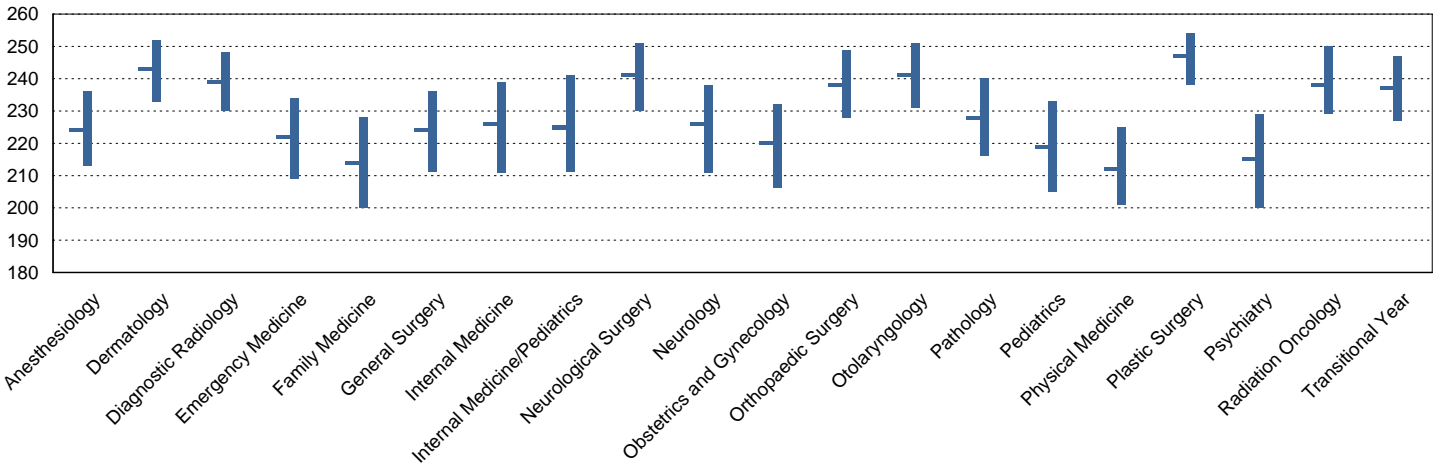
The top chart shows the data for U.S. seniors. In general, seniors who preferred the more competitive specialties were more likely to rank more than one specialty. For almost all specialties, seniors who did not match to their preferred specialty were more likely to rank more than one specialty compared to seniors who matched.

A similar pattern can be seen for the independent applicants, although on average they were more likely to rank more than one specialty when compared with U.S. seniors.

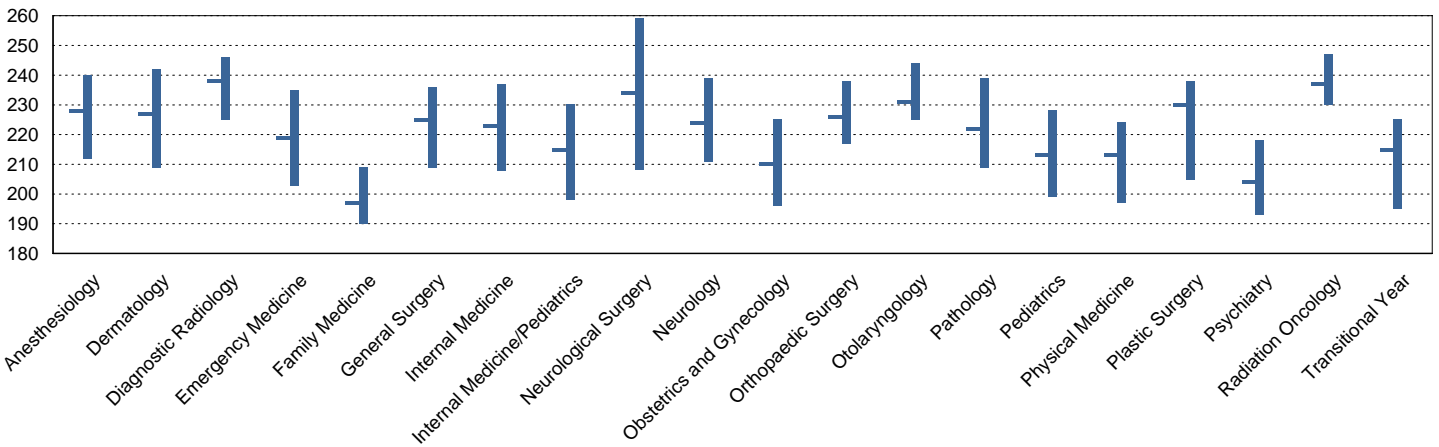
**Chart  
6**

**USMLE Step 1 Scores of Matched Applicants  
by Preferred Specialty and Applicant Type**

**U.S. Seniors**



**Independent Applicants**



Sources: NRMP Data Warehouse and AAMC Data Warehouse. USMLE scores by permission of the NBME and ECFMG.

Note: Step 1 scores are not available for the majority of Osteopathic seniors and graduates included within the independent applicant category.  
Source: NRMP Data Warehouse and AAMC Data Warehouse. USMLE scores by permission of the NBME and ECFMG.

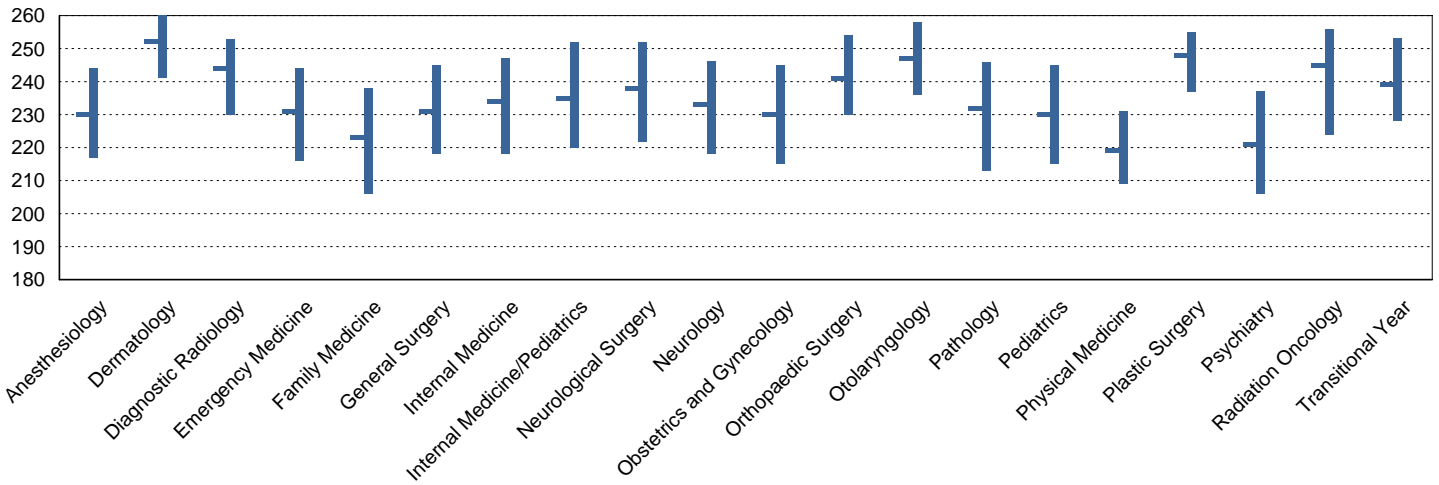
USMLE Step 1 scores are a measure of a student’s understanding of important basic science concepts and the ability to apply that knowledge to the practice of medicine. Although such knowledge is only one facet of applicant qualifications considered by program directors in their selection process, it is the only one that is comparable across applicants, and available during the interview season and prior to the NRMP’s ranking deadline. Overall, U.S. senior applicants have mean USMLE Step 1 scores of 224.3 (s.d. = 19.6) and independent applicants have mean scores of 211.0 (s.d. = 19.7), both well above the minimum passing score of 182.

Chart 6 displays the Step 1 scores for matched U.S. seniors (top panel) and independent applicants (bottom panel) by specialty. The horizontal bars are the median values for successful applicants and the vertical lines show the interquartile ranges (the range of scores for applicants excluding the top and bottom quarters of the distribution). Scores generally are higher for the more competitive specialties, but there is substantial overlap when specialties are compared.

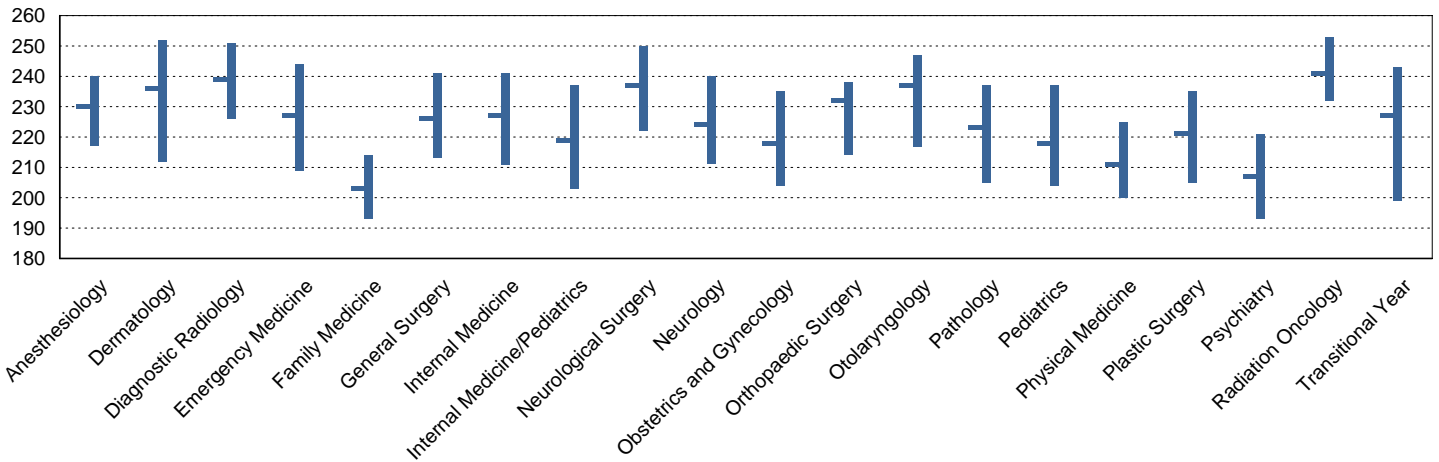
**Chart  
7**

**USMLE Step 2 Scores of Matched Applicants  
by Preferred Specialty and Applicant Type**

**U.S. Seniors**



**Independent Applicants**



Sources: NRMP Data Warehouse and AAMC Data Warehouse. USMLE scores by permission of the NBME and ECFMG.

Note: Approximately 30 percent of U.S. seniors did not take the Step 2 examination in time to be included in this report. Step 2 scores are not available for the majority of Osteopathic seniors and graduates included within the independent applicant category.

Source: NRMP Data Warehouse and AAMC Data Warehouse. USMLE scores by permission of the NBME and ECFMG.

USMLE Step 2 scores are a measure of an applicant's ability to apply the medical knowledge, skills, and understanding of clinical science essential for providing patient care. Overall, U.S. senior applicants had mean USMLE step 2 scores of 229.7 (s.d. = 21.8) and independent applicants had mean scores of 213.4 (s.d. = 21.3), both well above the minimum passing score of 182.

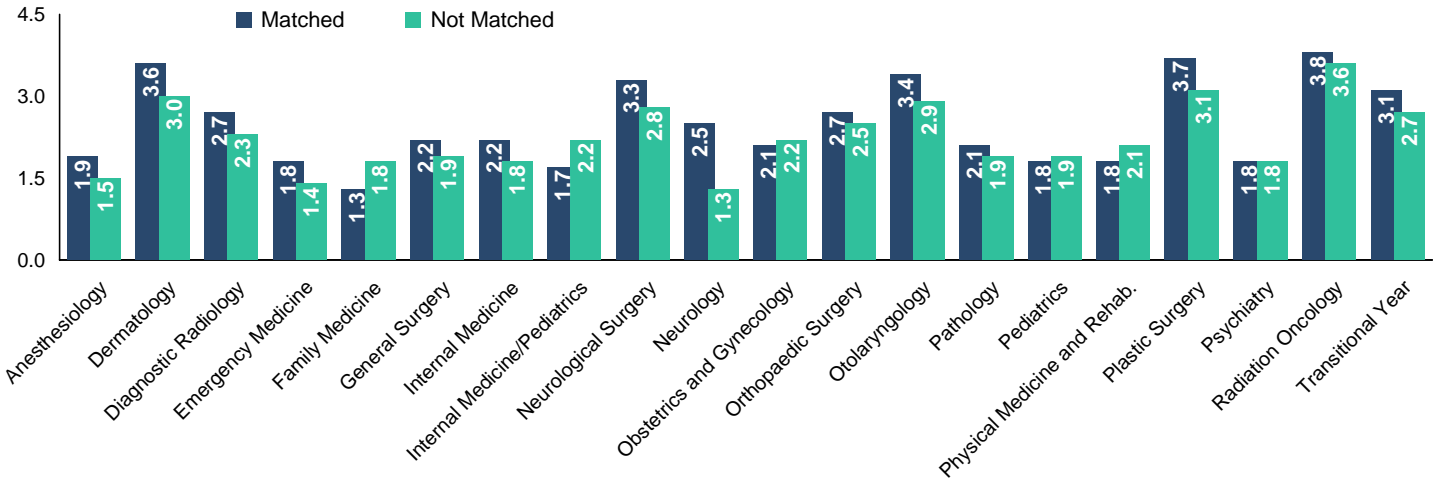
Chart 7 shows the Step 2 scores for matched U.S. seniors (top panel) and independent applicants (bottom panel) who matched by preferred specialty. The horizontal bars are the median values for successful applicants and the vertical lines show the interquartile ranges. As was the case for the Step 1 scores, the more competitive specialties have higher average Step 2 scores.

For some specialties (e.g., Plastic Surgery, Family Medicine) the differences in median Step 2 scores between matched U.S. seniors and independent applicants are quite dramatic; other specialties (e.g., Neurological Surgery, Anesthesiology) show only minor differences.

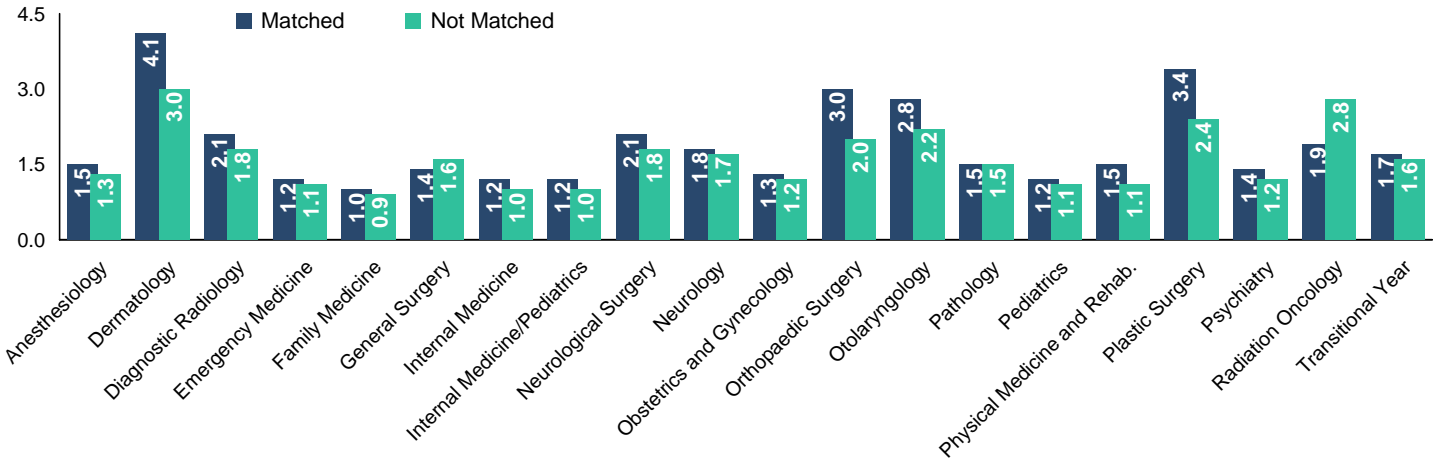
**Chart  
8**

**Mean Number of Research Experiences  
by Preferred Specialty, Applicant Type, and Match Status**

**U.S. Seniors**



**Independent Applicants**



Sources: NRMP Data Warehouse and AAMC Data Warehouse

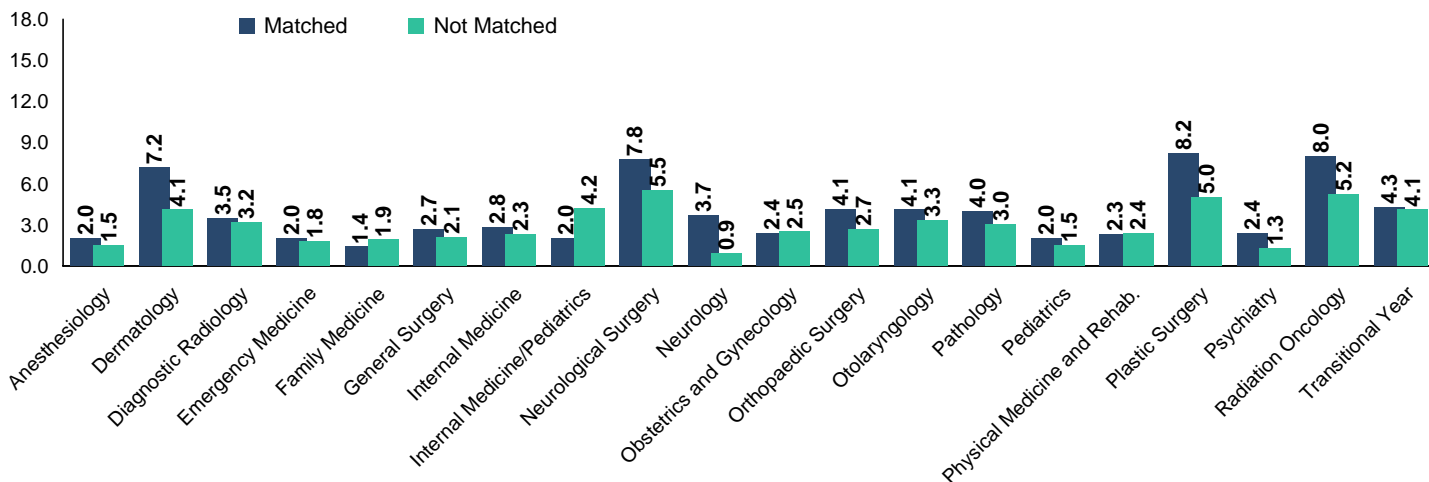
The ERAS application allows applicants to self-report their participation in research projects. These experiences are not verified or evaluated and may vary greatly. Chart 8 shows the average number of research experiences by applicant type, preferred specialty, and match outcome.

U.S. seniors averaged 2.2 research experiences with 83.6 percent reporting at least one experience. Independent applicants reported, on average, fewer experiences (1.3), and a smaller percentage (58.6%) listed having any research experiences.

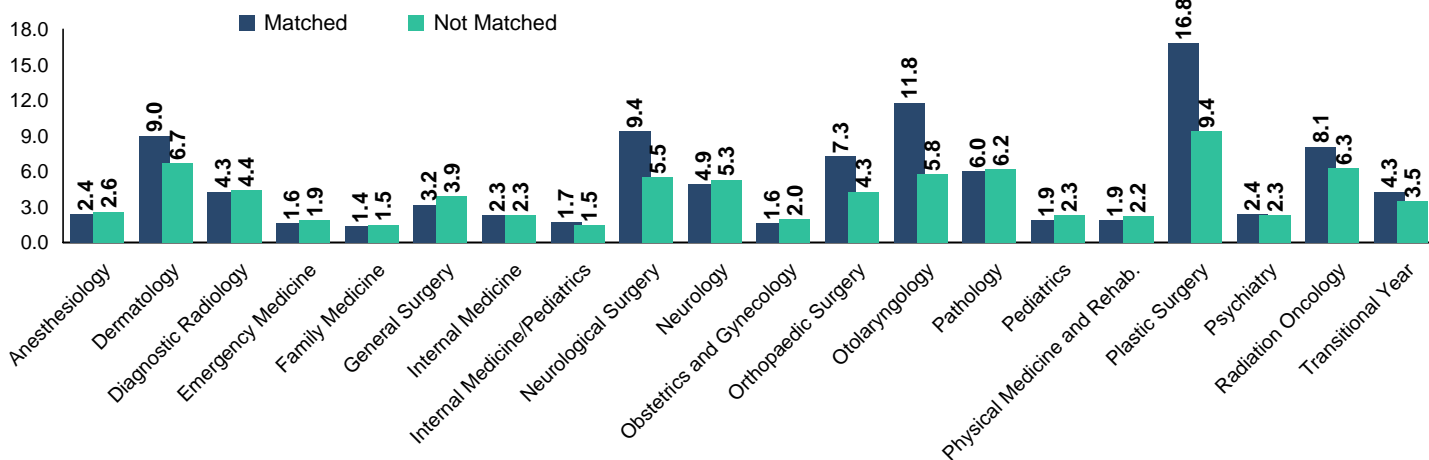
**Chart  
9**

**Mean Number of Abstracts, Presentations, and Publications  
by Preferred Specialty, Applicant Type, and Match Status**

**U.S. Seniors**



**Independent Applicants**



Sources: NRMP Data Warehouse and AAMC Data Warehouse.

The ERAS application also permits applicants to list their publications. This information is self-reported and may include peer-reviewed articles, abstracts, poster sessions, and invited national or regional presentations. Some residency programs may independently verify and even review publications for applicants in whom they have an interest, but most probably do not.

Many applicants report abstracts, presentation, or publications, sometimes dozens or even hundreds. In the individual specialty sections, we distinguish between no publications, 1 to 5 publications, and more than 5 publications. Chart 9 shows the average number of publications by applicant type, preferred specialty, and match outcome.

U.S. seniors averaged 2.9 publications with 64.0 percent reporting at least one publication. Independent applicants reported, on average, slightly fewer experiences (2.6); however, a smaller percentage (48.7%) listed any publications.

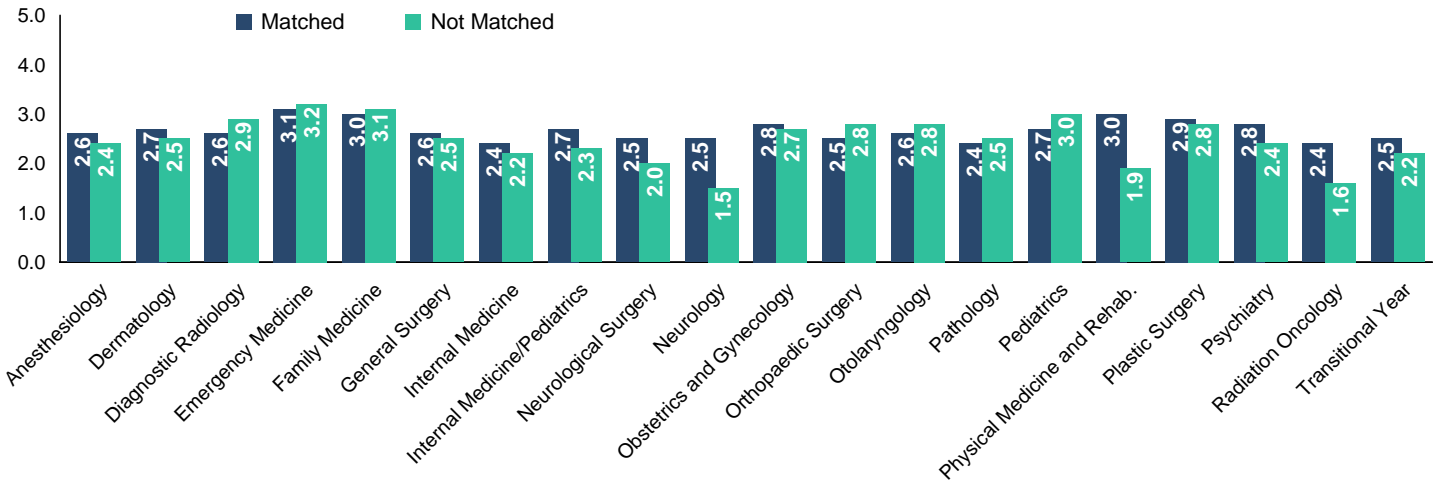
As one might expect, the averages are higher for the more competitive specialties. And for Dermatology, Neurological Surgery, Plastic Surgery, and Radiation Oncology matched U.S. seniors reported significantly more publications when compared with unmatched seniors. Independent applicants followed a similar pattern.



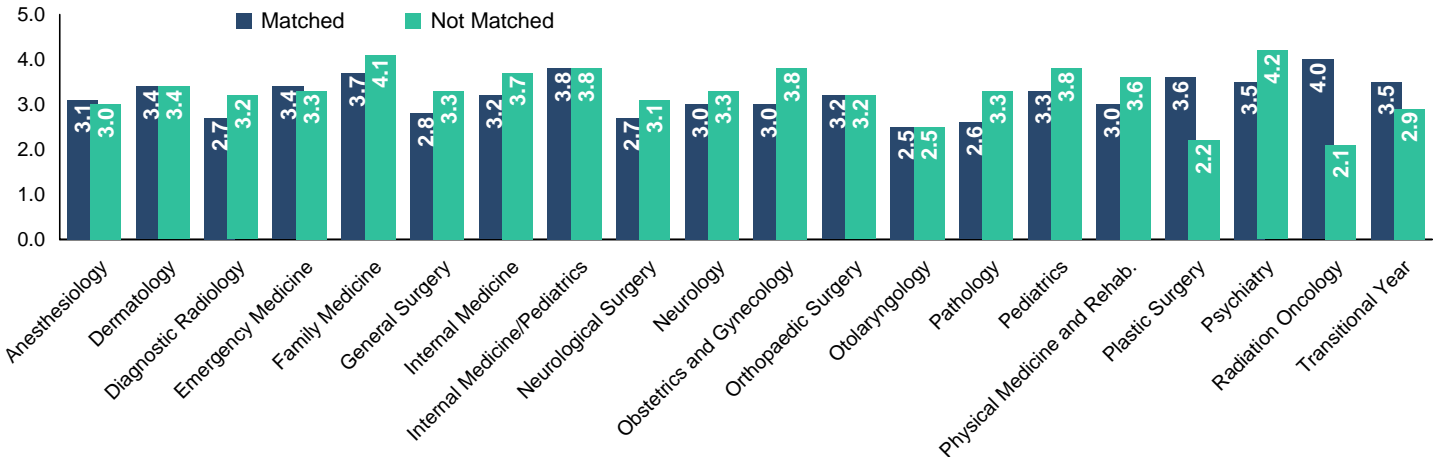
**Chart  
10**

**Mean Number of Work Experiences  
by Preferred Specialty, Applicant Type, and Match Status**

**U.S. Seniors**



**Independent Applicants**

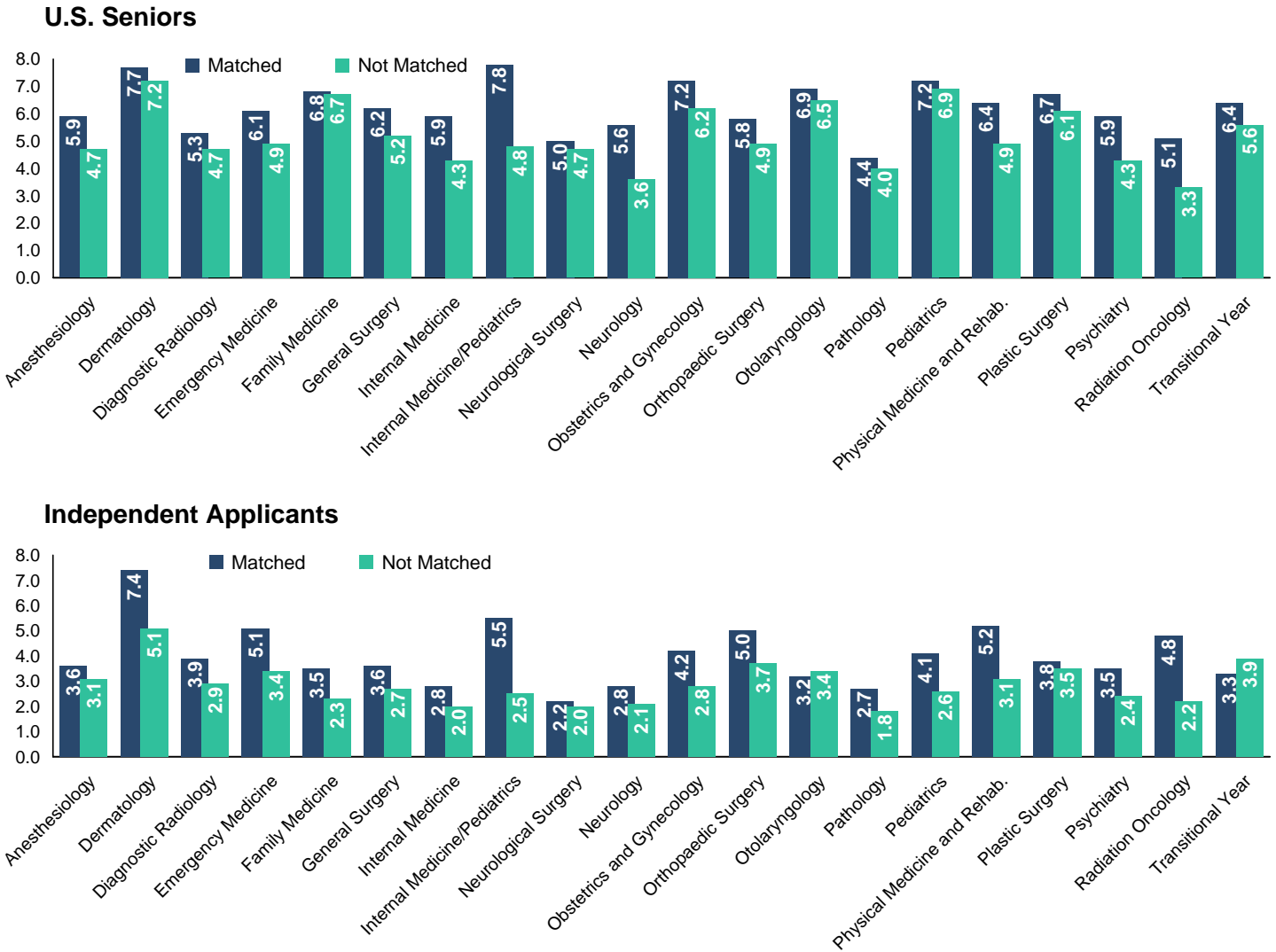


Sources: NRMP Data Warehouse and AAMC Data Warehouse.

Chart 10 shows the average number of work experiences reported on the ERAS application by applicant type, preferred specialty, and match outcome. There is little variation across specialties or within specialties (matched or not matched) for either the U.S. seniors or independent applicants. Across all specialties, however, independent applicants averaged more work experiences than U.S. seniors (3.5 versus 2.7), and a higher proportion of independent applicants (89.0% versus 84.8%) reported at least one work experience.

**Chart  
11**

**Mean Number of Volunteer Experiences  
by Preferred Specialty, Applicant Type, and Match Status**



Sources: NRMP Data Warehouse and AAMC Data Warehouse.

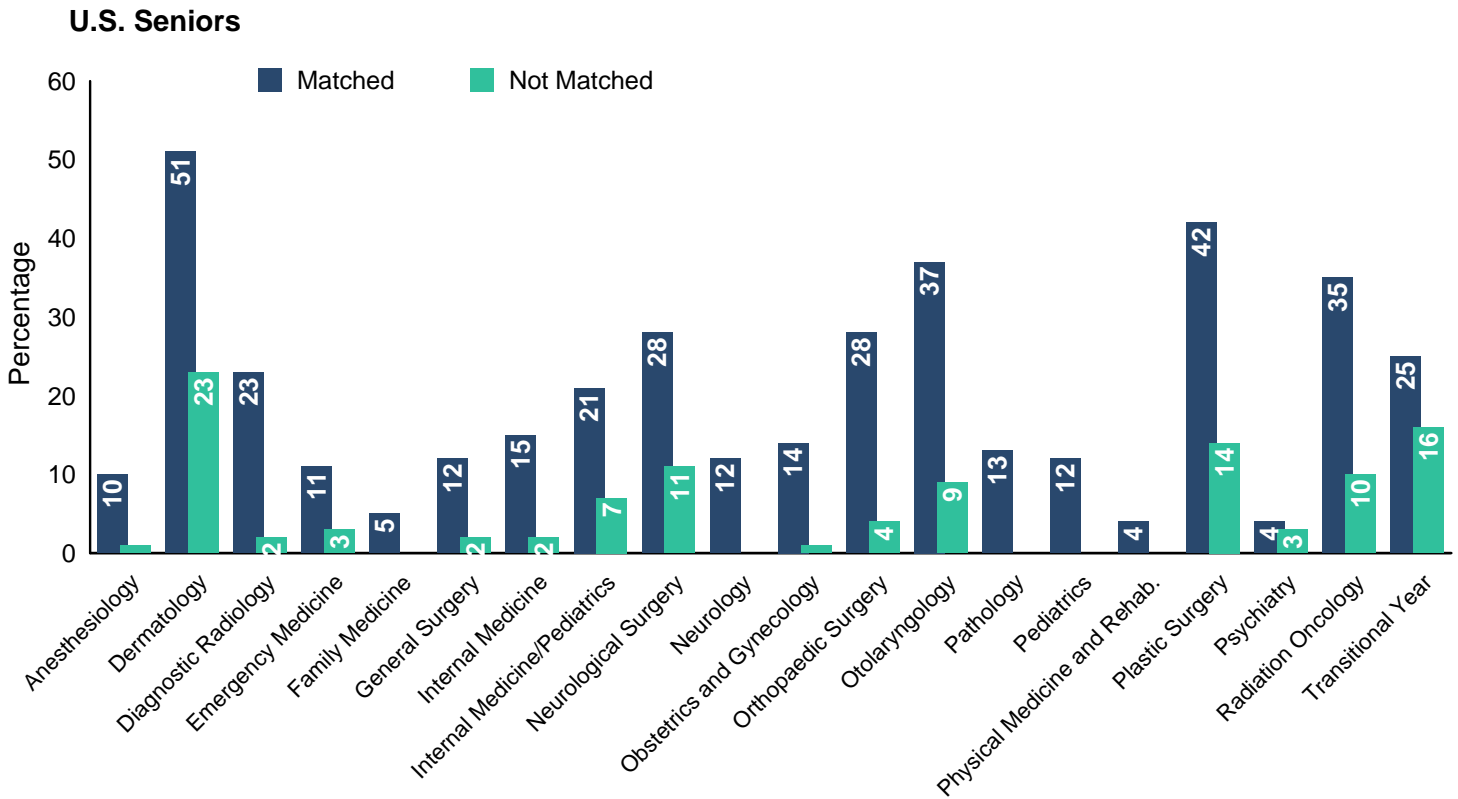
Chart 11 provides the average number of volunteer experiences reported on the ERAS application by applicant type, preferred specialty, and match outcome. U.S. seniors who matched to Internal Medicine/Pediatrics averaged significantly more volunteer experiences than did unmatched seniors who preferred that specialty (7.8 versus 4.8). Matched U.S. seniors in all specialties averaged more volunteer experiences when compared to unmatched seniors in the same specialties, with several averaging at least one more experience.

A similar pattern can be found for independent applicants. Matched applicants generally had more volunteer experiences when compared to unmatched applicants.

Overall, U.S. seniors averaged twice as many volunteer experiences compared to independent applicants (6.2 versus 2.9), and a higher percentage of U.S. seniors (95.2% versus 72.2%) reported at least one volunteer experience.

**Chart  
12**

**Percentage of U.S. Allopathic Seniors Who are Members of AOA  
by Preferred Specialty and Match Status**



Sources: NRMP Data Warehouse and AAMC Data Warehouse.

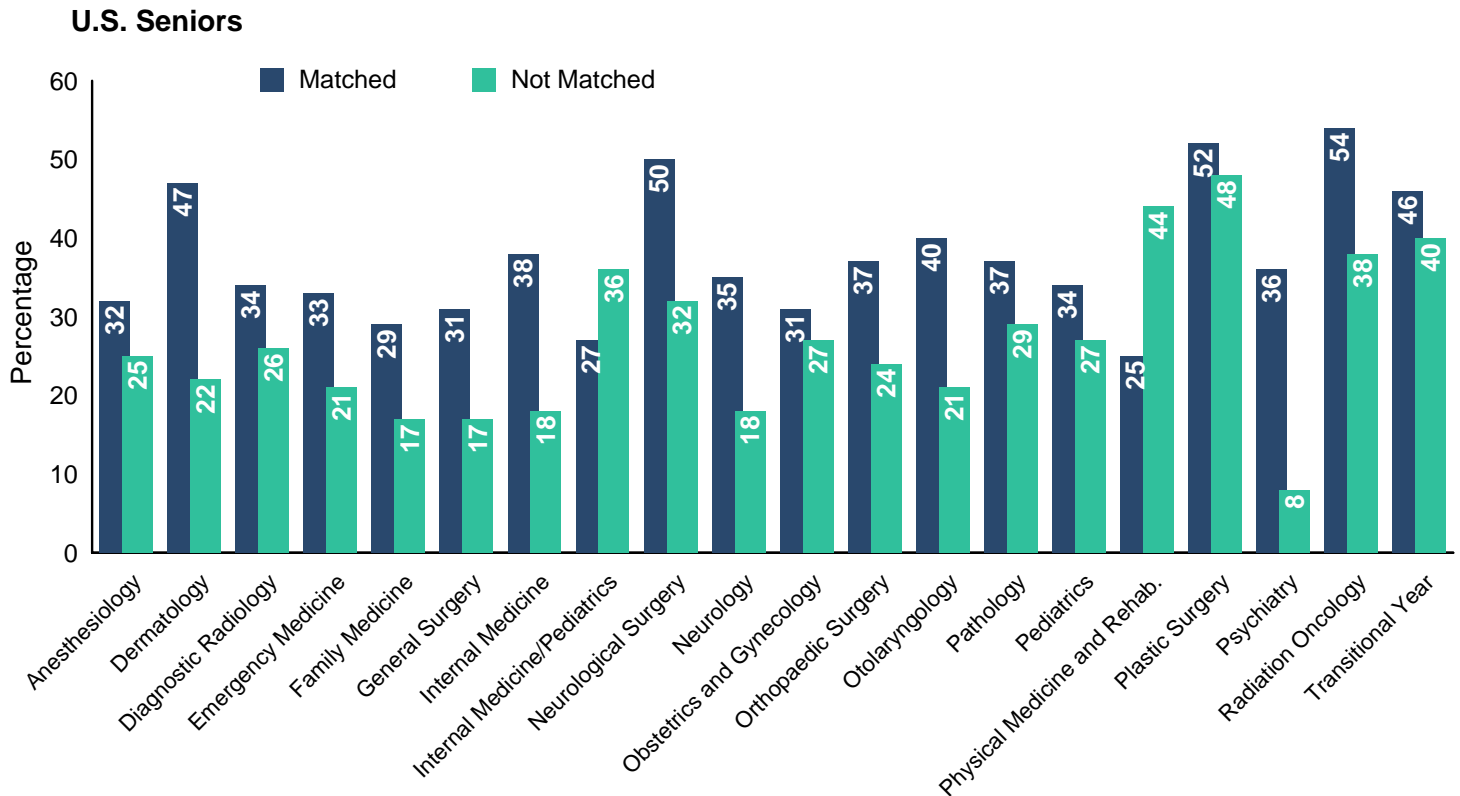
Membership in Alpha Omega Alpha (AOA), the national medical honor society, is an honor reserved for students with high academic achievement. AOA membership is limited to students in medical schools that sponsor an AOA chapter. Most, but not all, allopathic schools in the U.S. and Canada participate, and there is one foreign chapter in Beirut. Among the independent applicants, only graduate U.S. physicians, Canadians, and a small number of others could legitimately claim membership. For that reason, AOA status for each specialty in Chart 9 is reported only for U.S. seniors.

Data on AOA membership are self-reported on the ERAS application. Even for U.S. seniors, however, an analysis of its relationship with success in the Match is limited by the relatively small number of applicants who are members, by the fact that some schools do not have AOA chapters, and by the fact that other schools elect AOA members too late in the academic year for it to be considered in the application process. Overall, 14.7 percent of U.S. seniors included in this report claimed AOA membership on their ERAS application. Among applicants who matched to their preferred specialty, 15.3 percent reported AOA membership, compared to 6.3 percent of unmatched applicants.

As with several of the other measures, the most competitive specialties are able to attract the greatest proportion of AOA members. All specialties attract some AOA applicants, but for most specialties AOA members account for fewer than one in five successful applicants.

**Chart  
13**

**Percentage of U.S. Allopathic Seniors Graduating from One of the 40 U.S. Medical Schools with the Highest NIH Funding\* by Preferred Specialty and Match Status**



Sources: NRMP Data Warehouse, NIH

\*Source: <http://report.nih.gov/award/trends/AggregateData.cfm> Medical Schools Only.xls. Total awards include both direct and indirect costs. Awards to the 127 U.S. allopathic medical schools ranged from \$1.08 to \$422 million. The 40 medical schools with the highest NIH funding received \$100 million or more.

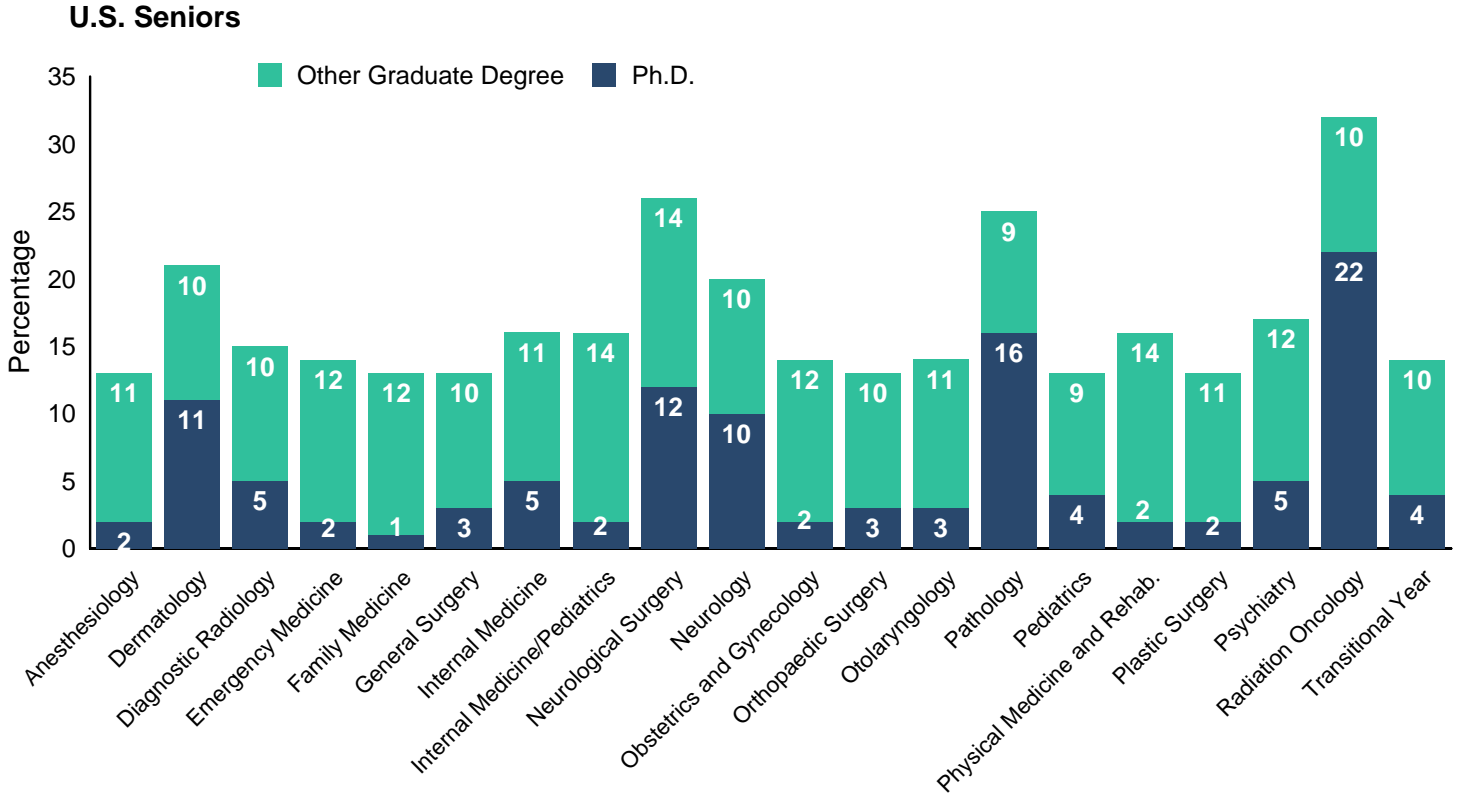
Some program directors may give preference to applicants with research experience or who graduated from a research-intensive medical school. To test this assumption, we obtained data on the amount of NIH grant awards and identified the 40 schools with the highest NIH funding (\$100 million or more). This measure, by definition, is limited to graduates of U.S. medical schools. Overall, 35.0 percent of matched and 29.4 percent of unmatched U.S. seniors were graduates of one of the 40 medical schools with the highest NIH funding.

Chart 13 shows the percentage of U.S. seniors who graduated from those schools by specialty and match outcome. For example, 32 percent of U.S. seniors who matched in Anesthesiology were graduates of one of the 40 medical schools with the highest NIH funding and 25 percent of seniors who did not match in Anesthesiology were graduates of those schools.

Radiation Oncology had the highest percentage of matched U.S. seniors who were graduates of a medical school with the highest NIH funding. Plastic Surgery, Dermatology, Neurological Surgery, and Transitional Year also had higher percentages of matched applicants from those schools compared to the other specialties. For all specialties except Internal Medicine/Pediatrics and Physical Medicine and Rehabilitation, smaller percentages of seniors who did not match to their preferred specialty were graduates of a medical school with the highest NIH funding compared to seniors who matched. The average across all specialties and match outcome was 34.2 percent.

**Chart  
14**

**Percentage of Matched U.S. Allopathic Seniors Who Have a Graduate Degree**



Sources: NRMP Data Warehouse and AAMC Data Warehouse.

Chart 14 shows by preferred specialty the percentage of matched U.S. allopathic seniors who have a graduate degree. Radiation Oncology, Anatomic and Clinical Pathology, Dermatology, Neurological Surgery, and Neurology had the highest percentages of matched applicants with Ph.D.s, and Physical Medicine and Rehabilitation, Internal Medicine/Pediatrics, and Neurological Surgery had the highest percentages with other graduate degrees.

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**AN** Anesthesiology

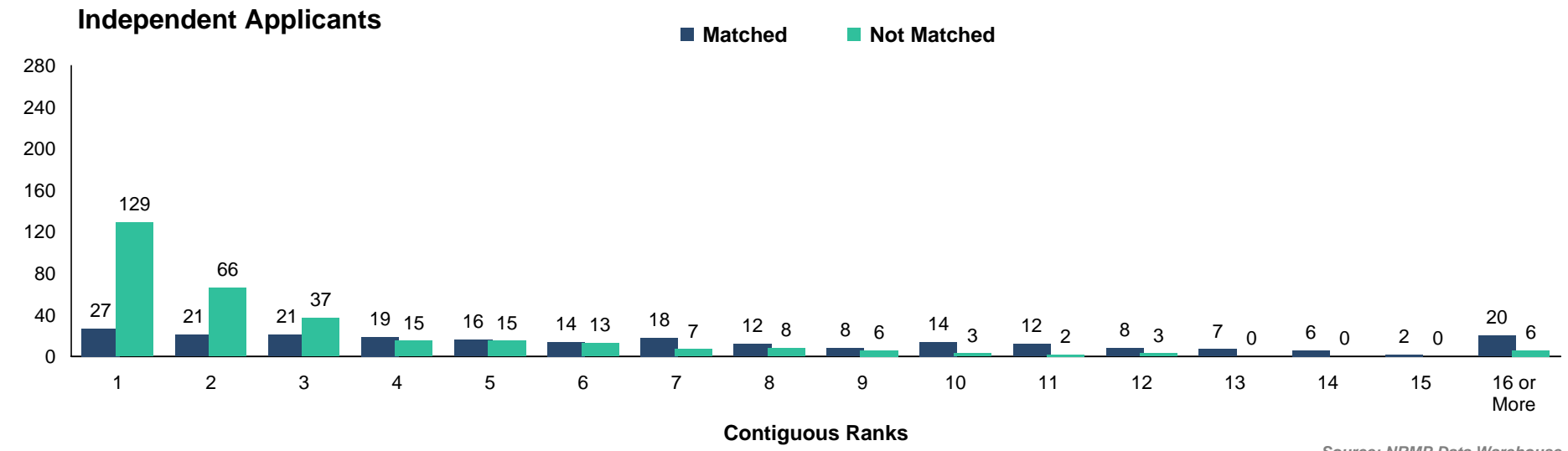
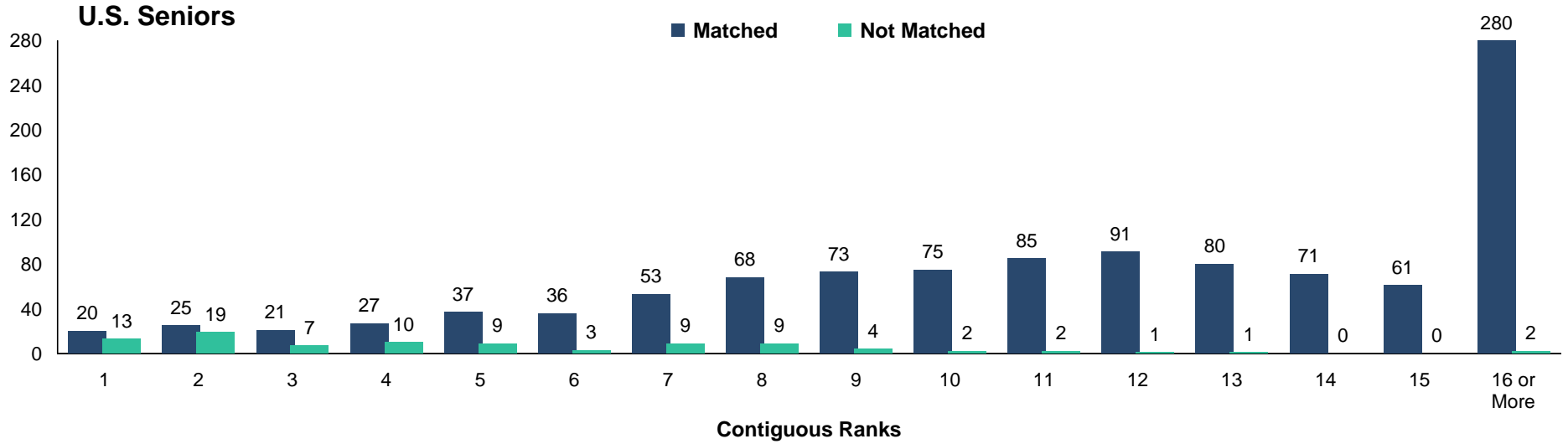
Measure	U.S. Seniors		Independent Applicants	
	Matched (n=1,103)	Unmatched (n=91)	Matched (n=225)	Unmatched (n=310)
1. Mean number of contiguous ranks	12.0	4.9	7.1	3.1
2. Mean number of distinct specialties ranked	1.3	1.8	1.5	1.7
3. Mean USMLE Step 1 score	224	206	226	213
4. Mean USMLE Step 2 score	230	209	229	212
5. Mean number of research experiences	1.9	1.5	1.5	1.3
6. Mean number of abstracts, presentations, and publications	2.0	1.5	2.4	2.6
7. Mean number of work experiences	2.6	2.4	3.1	3.0
8. Mean number of volunteer experiences	5.9	4.7	3.6	3.1
9. Percentage who are AOA members	10.0	1.1	n/a	n/a
10. Percentage who graduated from one of the 40 U.S. medical schools with the highest NIH funding	31.8	25.3	n/a	n/a
11. Percentage who have Ph.D. degree	2.4	1.1	n/a	n/a
12. Percentage who have another graduate degree	11.3	17.6	n/a	n/a

n/a: The measure either does not apply to, applies to only a small percentage of, or no reliable data were available for independent applicants.

Sources. Measures 1, 2, and match outcome are from the NRMP Data Warehouse; measures 3 and 4 are from the AAMC Data Warehouse and from the ECFMG, both by permission of the NBME and ECFMG; measures 5-9 are from the AAMC Data Warehouse; measure 10 is from the NIH website (<http://report.nih.gov/award/trends/AggregateDate.cfm> Medical Schools Only.xls); and measures 11 and 12 are from the AAMC Data Warehouse.

Note: USMLE Step 1 scores are not available for most osteopathic medical school graduates included in the independent applicant group. Approximately 30 percent of U.S. allopathic medical school seniors do not take the USMLE Step 2 prior to the Match.

**Number of Contiguous Ranks Within Preferred Specialty  
Anesthesiology**

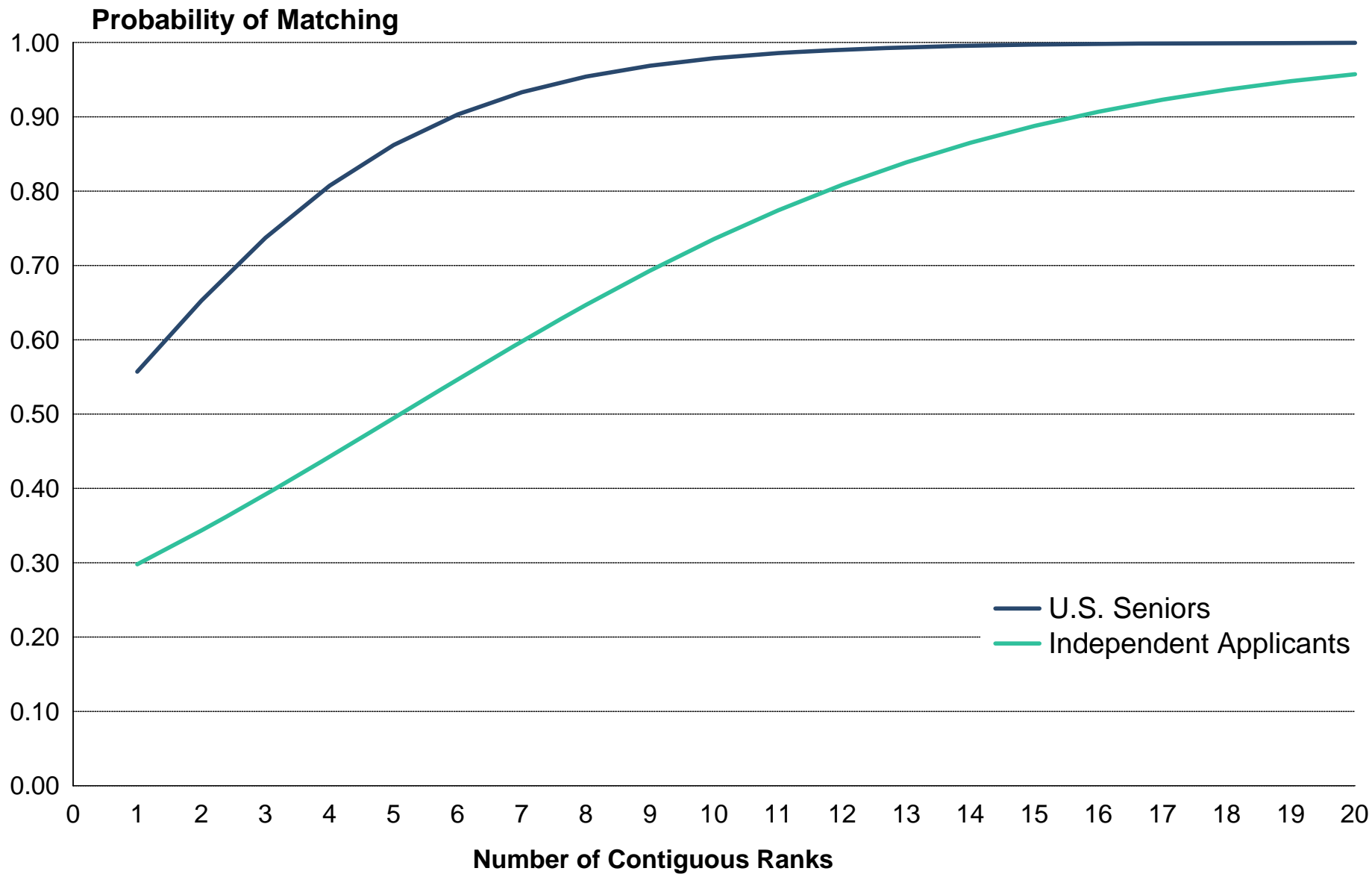


Source: NRMP Data Warehouse



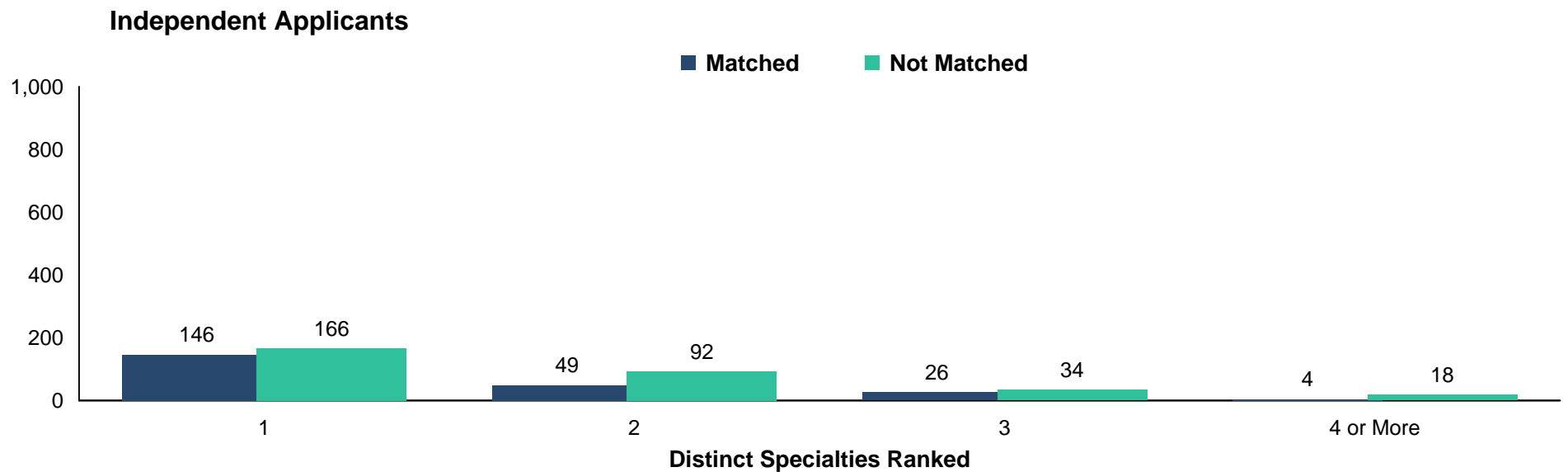
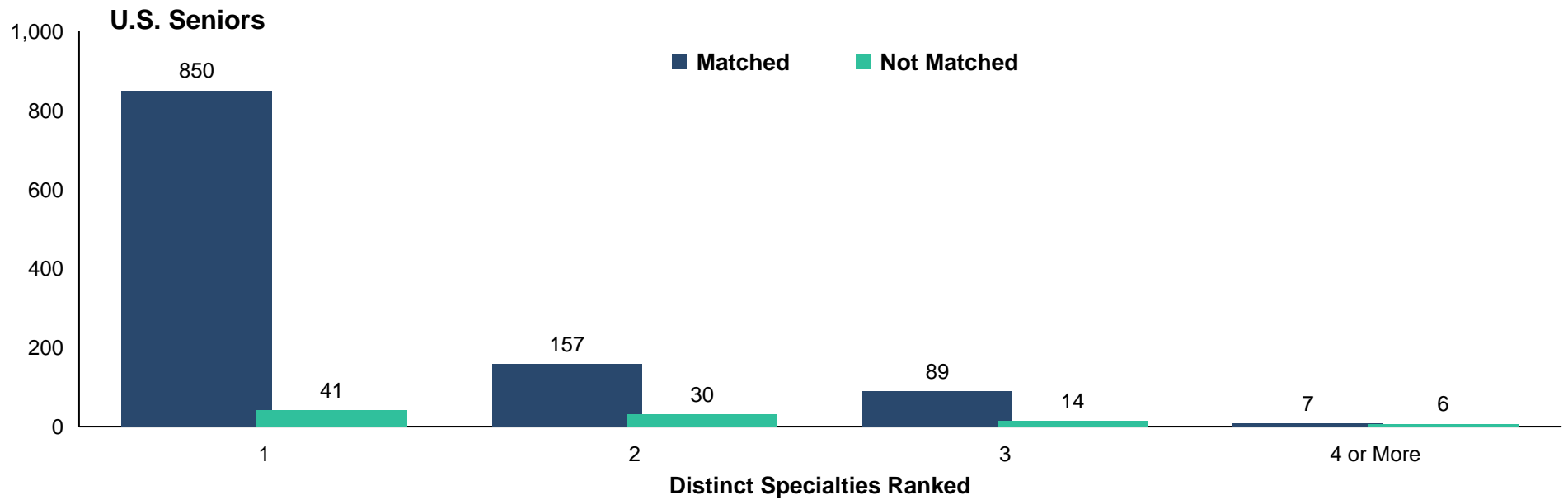
# Probability of Matching to Preferred Specialty by Number of Contiguous Ranks

## Anesthesiology

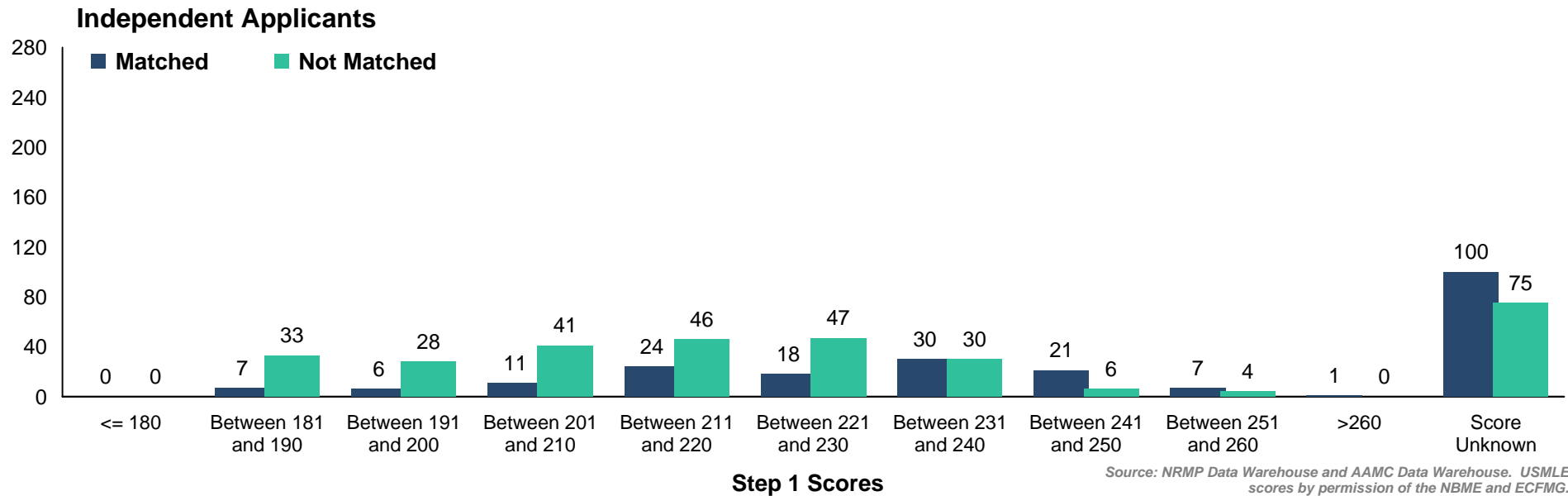
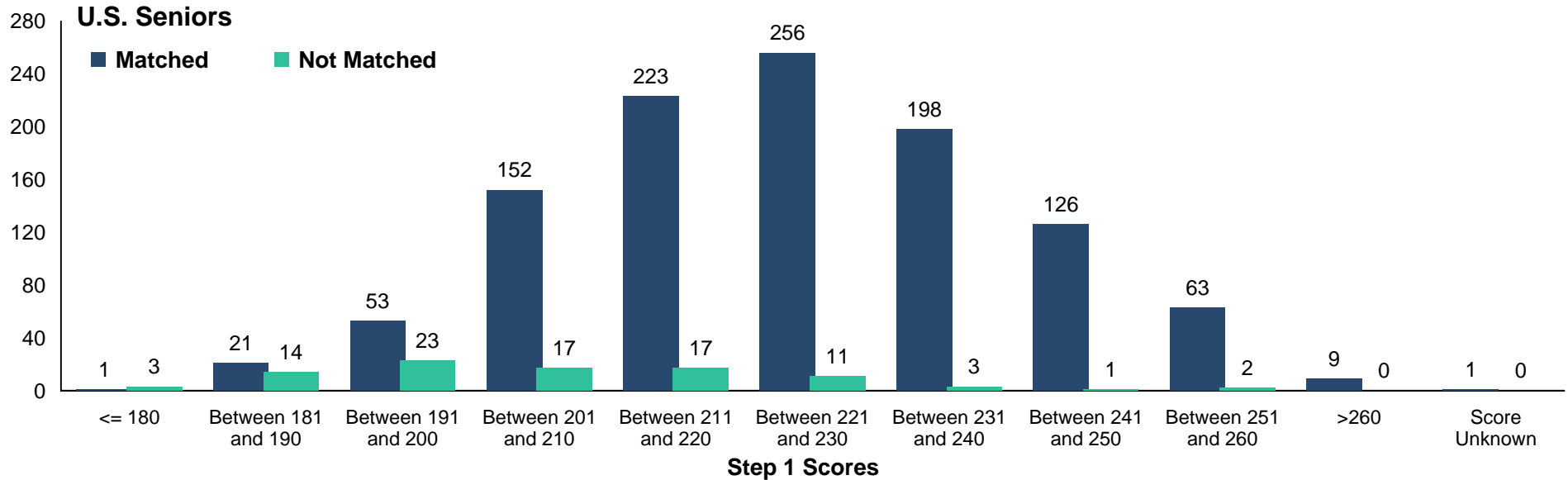


Source: NRMP Data Warehouse. Note: Probabilities calculated based on 2007-2009 applicants.

**Number of Distinct Specialties Ranked  
*Anesthesiology***



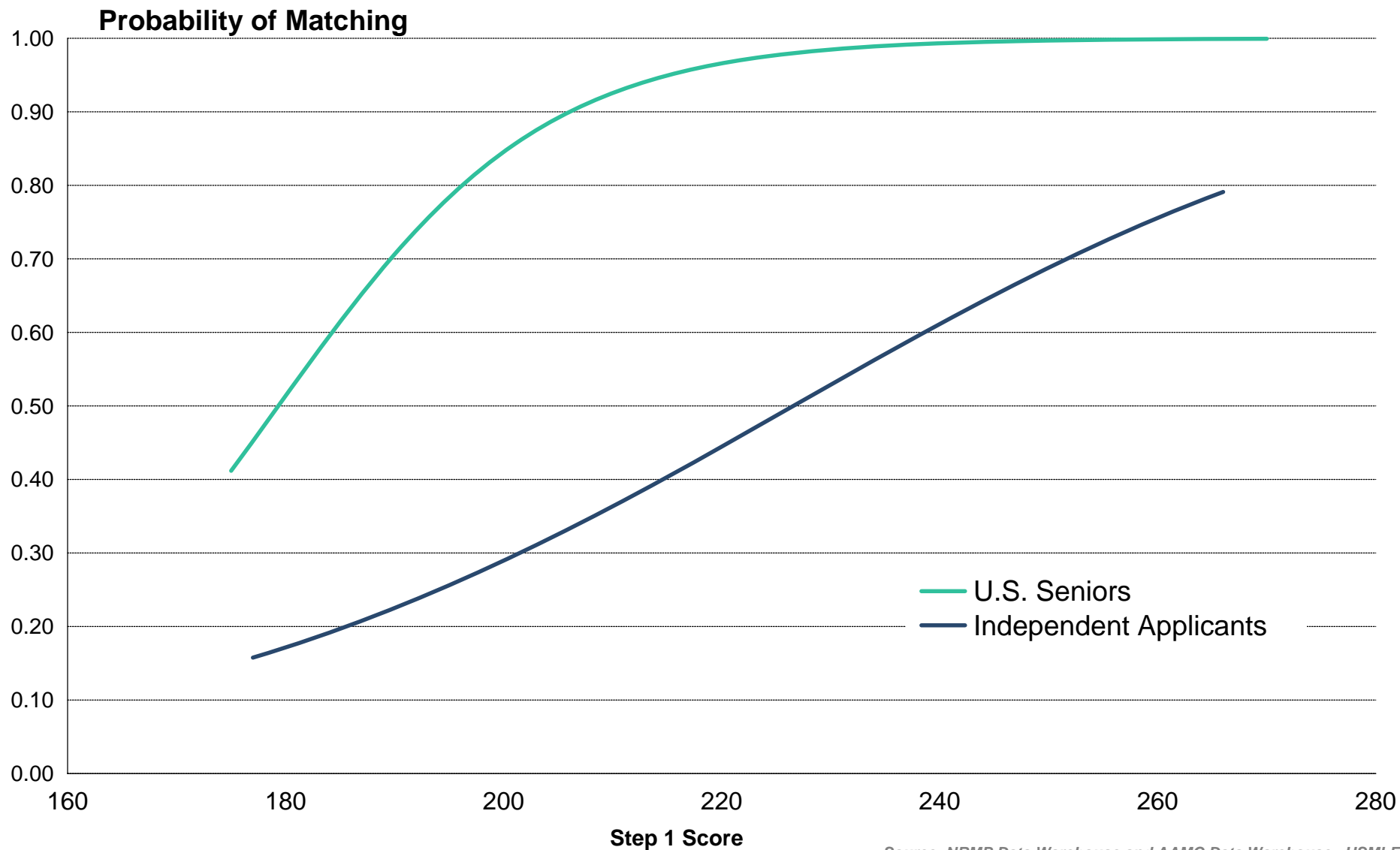
Source: NRMP Data Warehouse



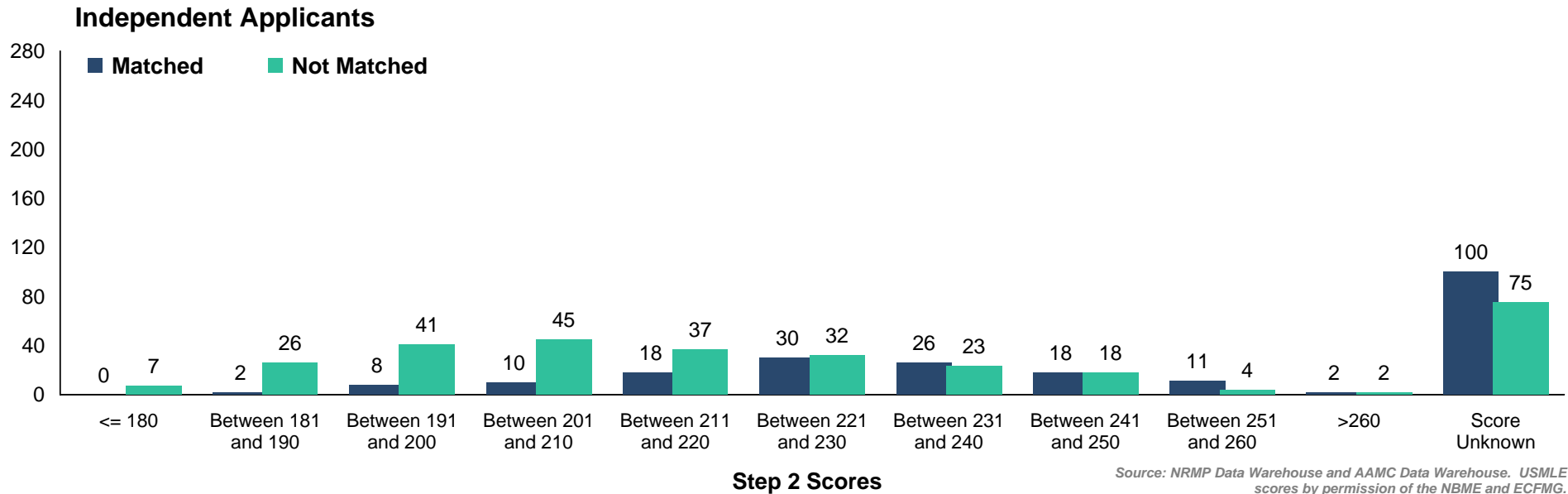
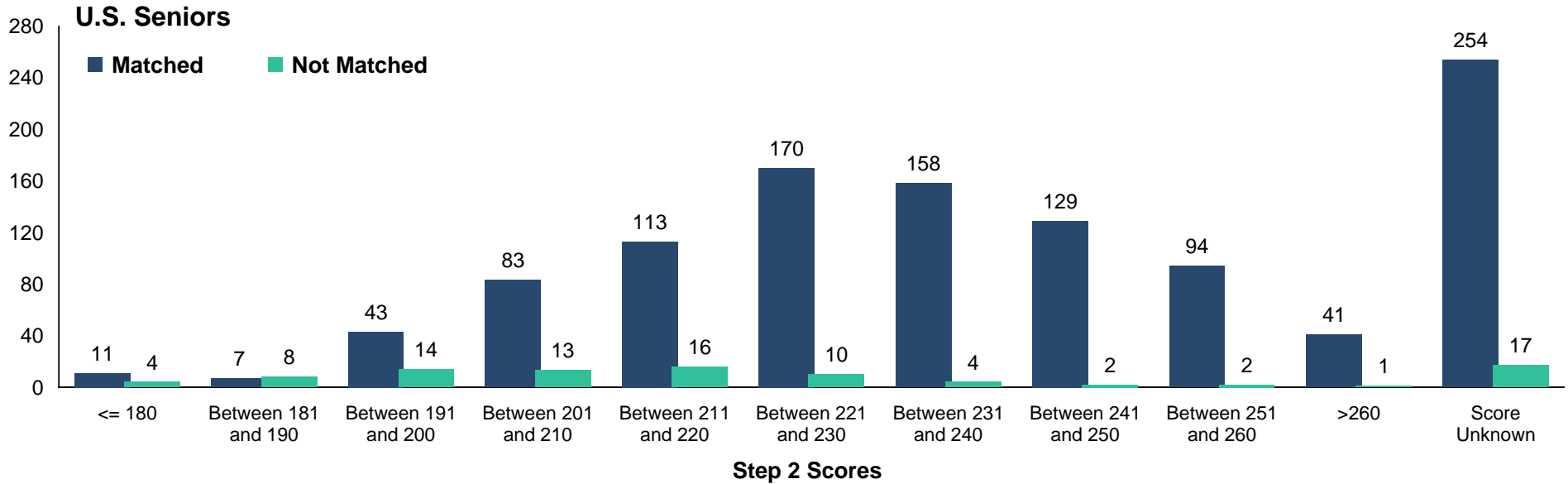
Source: NRMP Data Warehouse and AAMC Data Warehouse. USMLE scores by permission of the NBME and ECFMG.

# Probability of Matching to Preferred Specialty by USMLE Step 1 Score

## Anesthesiology

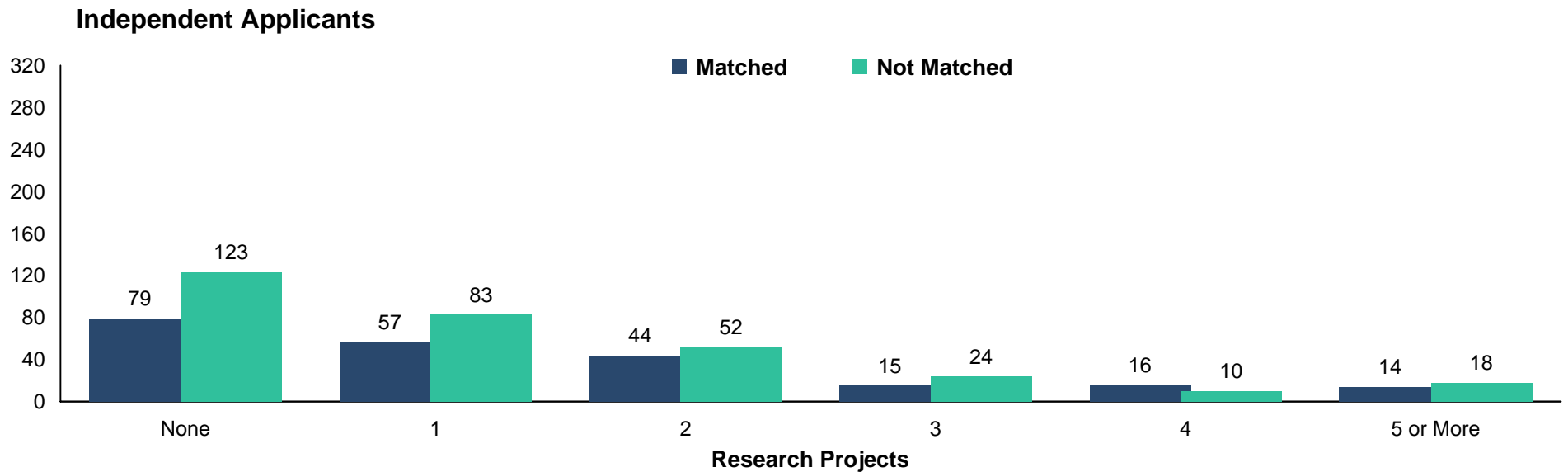
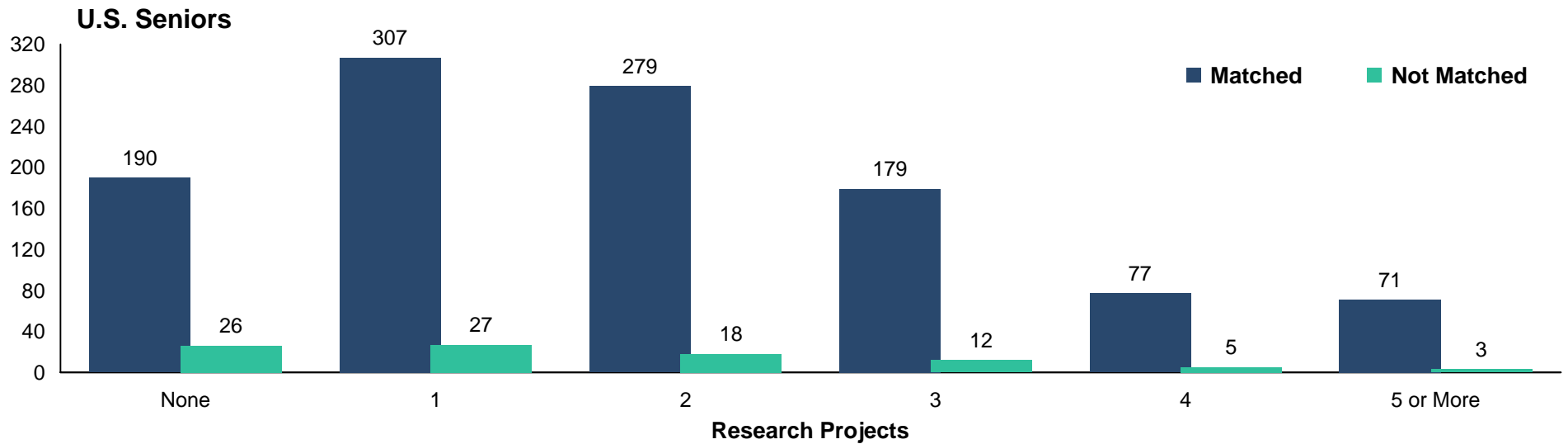


Source: NRMP Data Warehouse and AAMC Data Warehouse. USMLE scores by permission of the NBME and ECFMG. Note: Probabilities calculated based on 2007-2009 applicants.



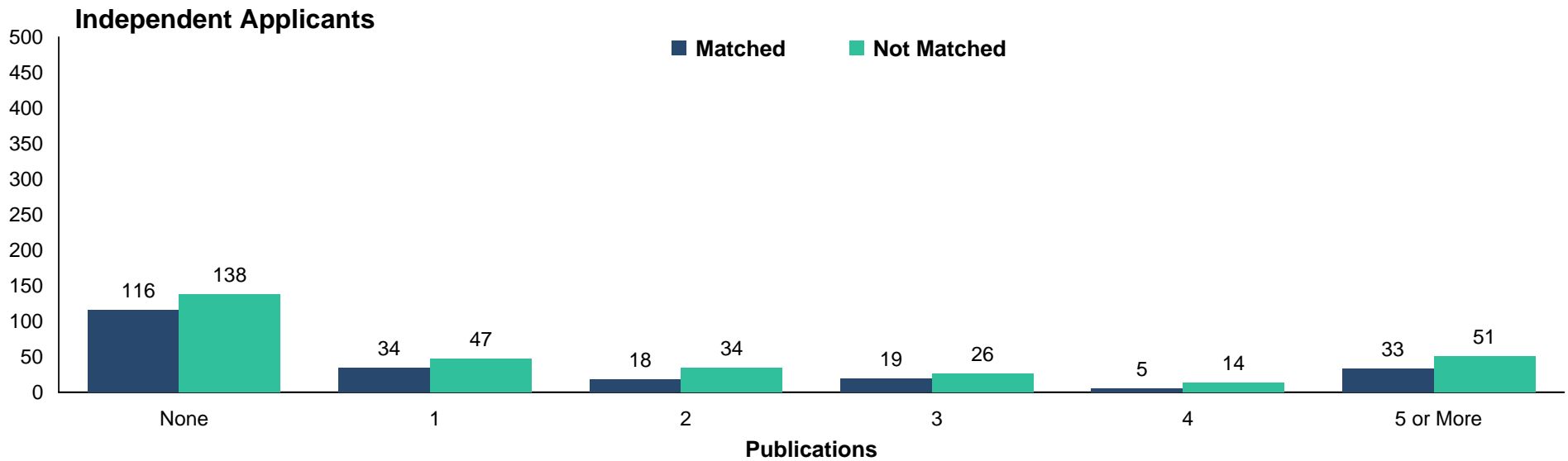
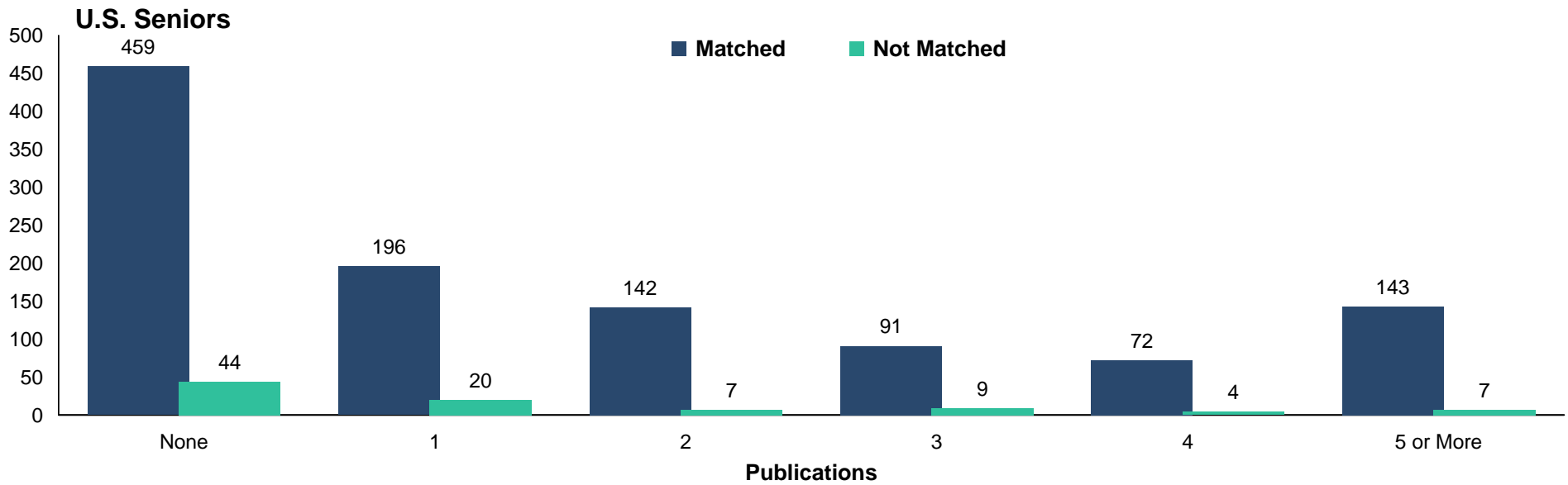
Source: NRMP Data Warehouse and AAMC Data Warehouse. USMLE scores by permission of the NBME and ECFMG.

**Number of Research Projects  
Anesthesiology**



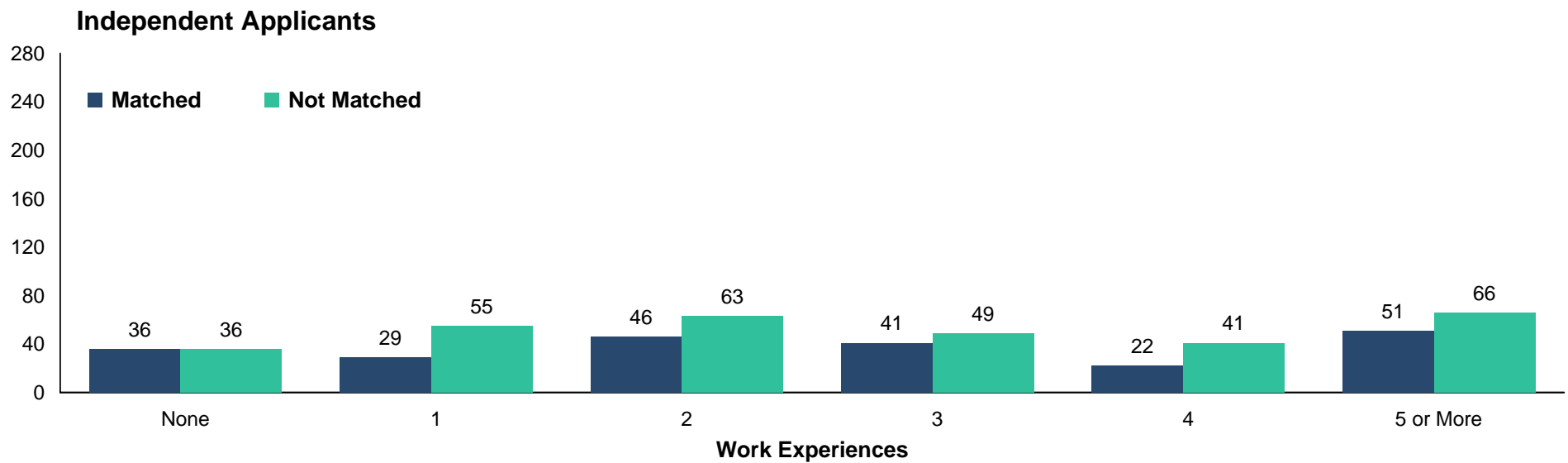
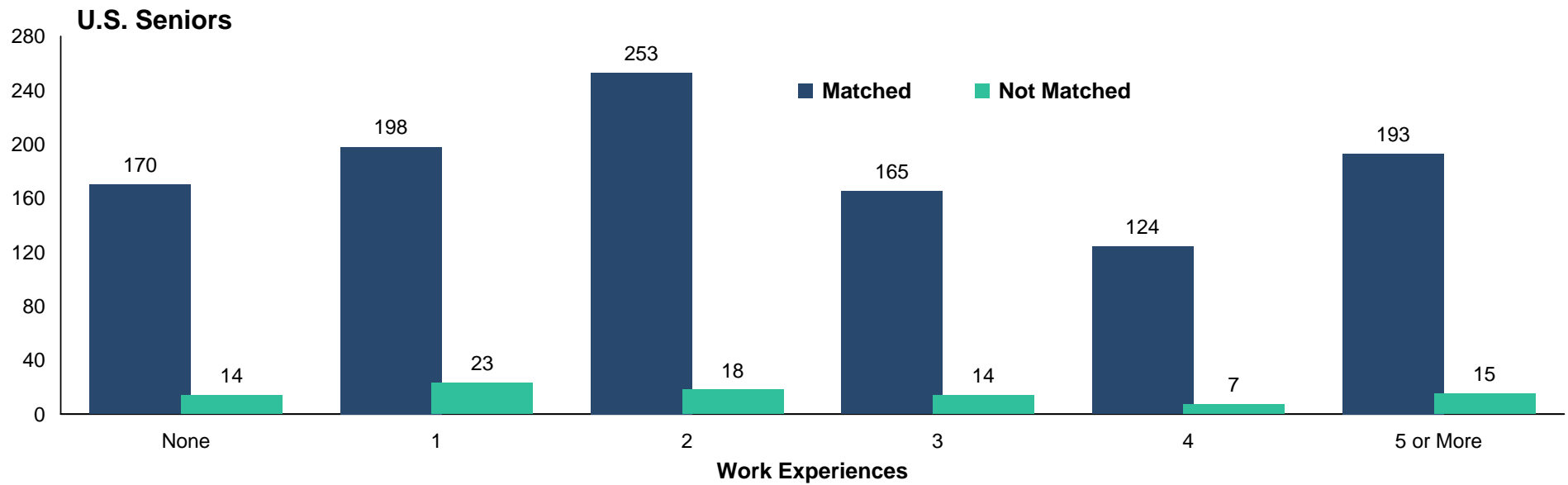
Source: NRMP Data Warehouse and AAMC Data Warehouse

**Number of Abstracts, Presentations, and Publications  
Anesthesiology**



Source: NRMP Data Warehouse and AAMC Data Warehouse

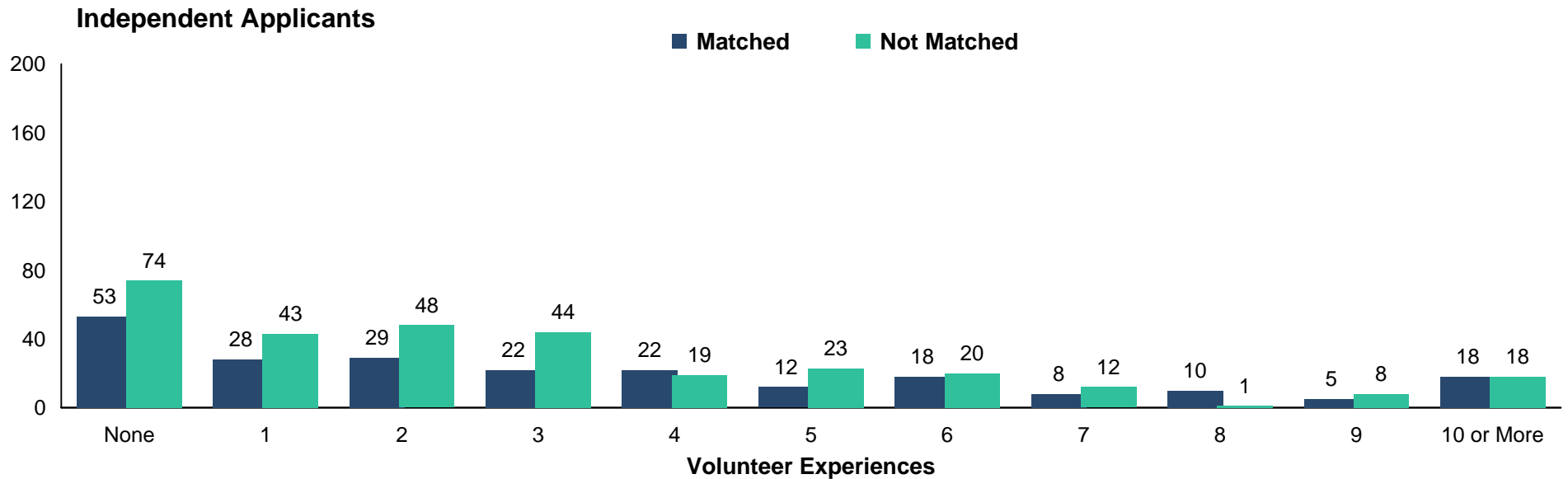
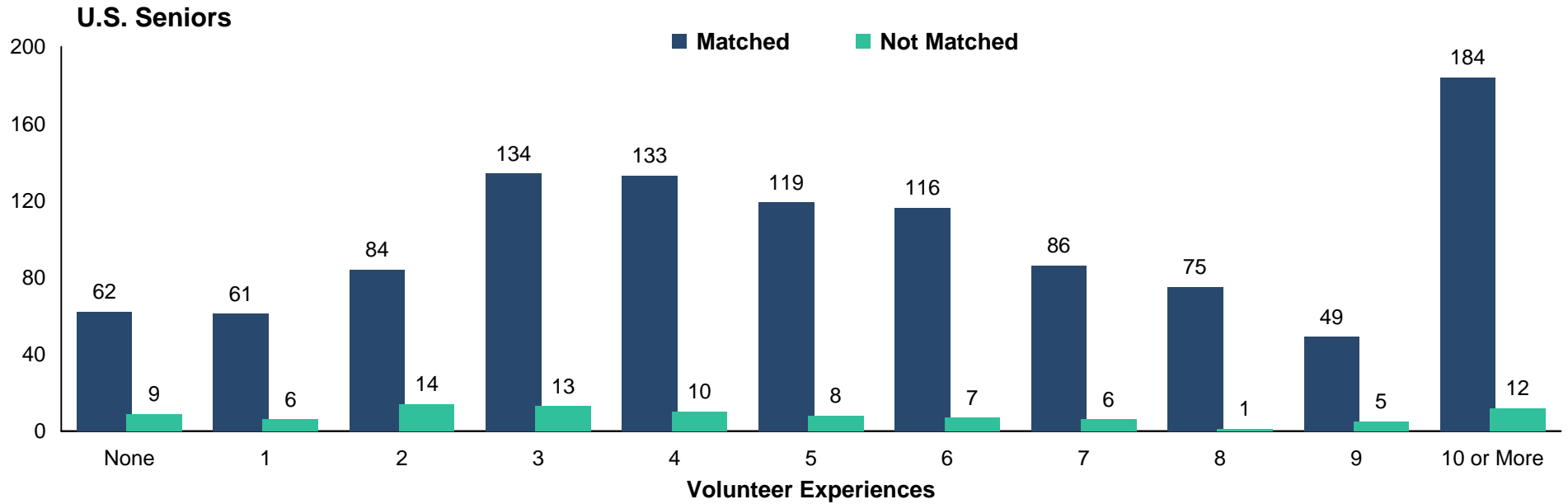
**Number of Work Experiences  
Anesthesiology**



Source: NRMP Data Warehouse and AAMC Data Warehouse



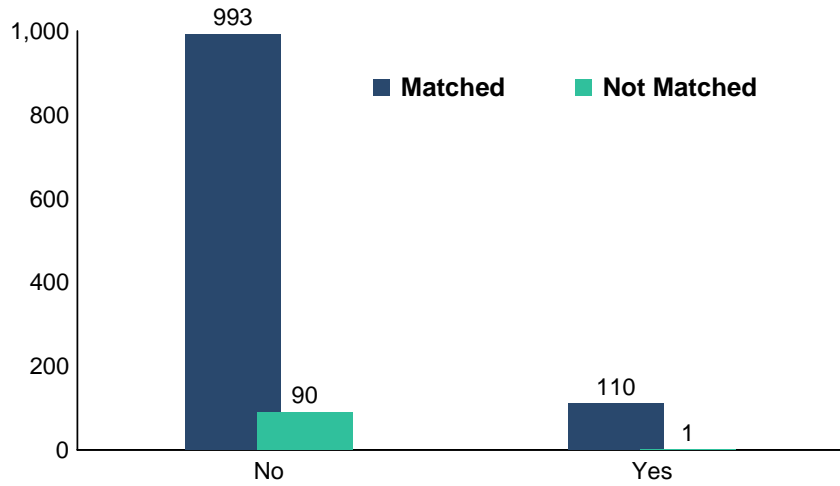
**Number of Volunteer Experiences  
Anesthesiology**



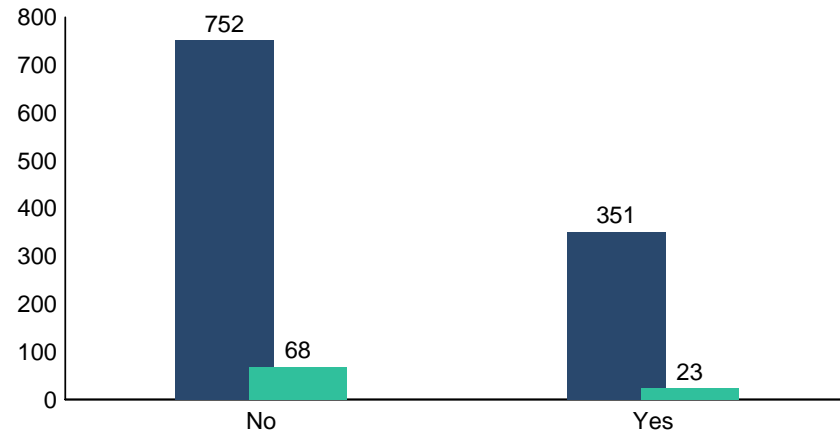
Source: NRMP Data Warehouse and AAMC Data Warehouse.

**Other Characteristics of U.S. Seniors  
Anesthesiology**

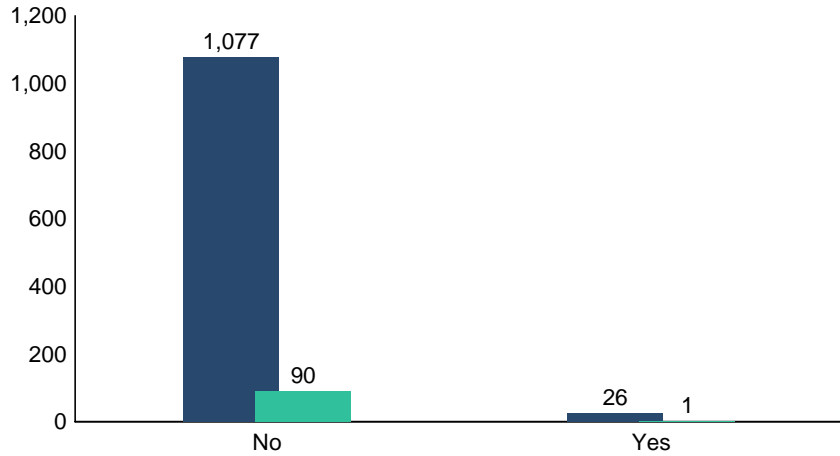
**AOA Membership**



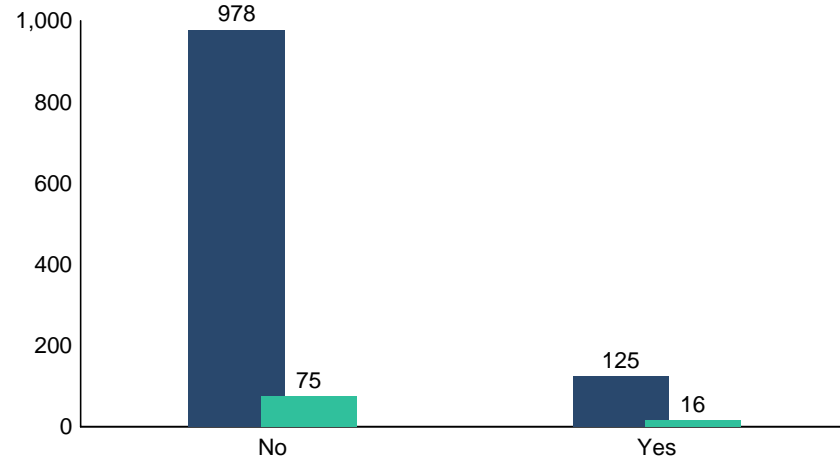
**Graduate of One of the 40 U.S. Medical Schools with the Highest NIH Funding**



**Ph.D. Degree**



**Other Graduate Degree**



Sources: AOA membership from the AAMC Data Warehouse, NIH awards from <http://report.nih.gov/award/trends/AggregateData.cfm> Medical Schools Only.xls, Ph.D. and other graduate degrees from the AAMC Data Warehouse

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**DM** Dermatology

**Table** **Summary Statistics**  
**DM-1** *Dermatology*

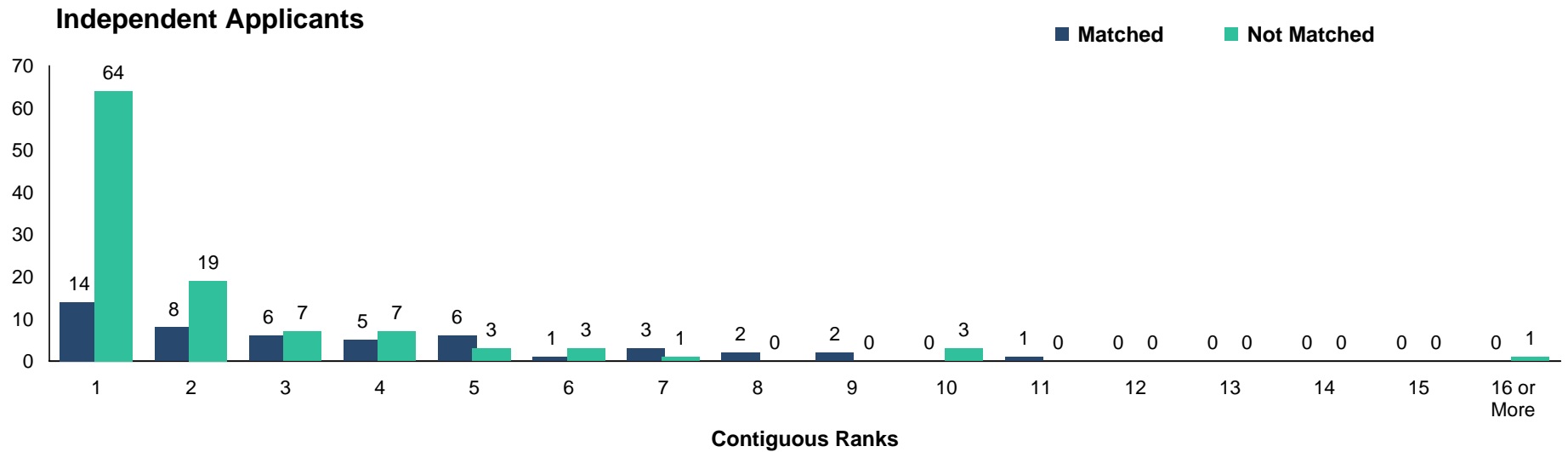
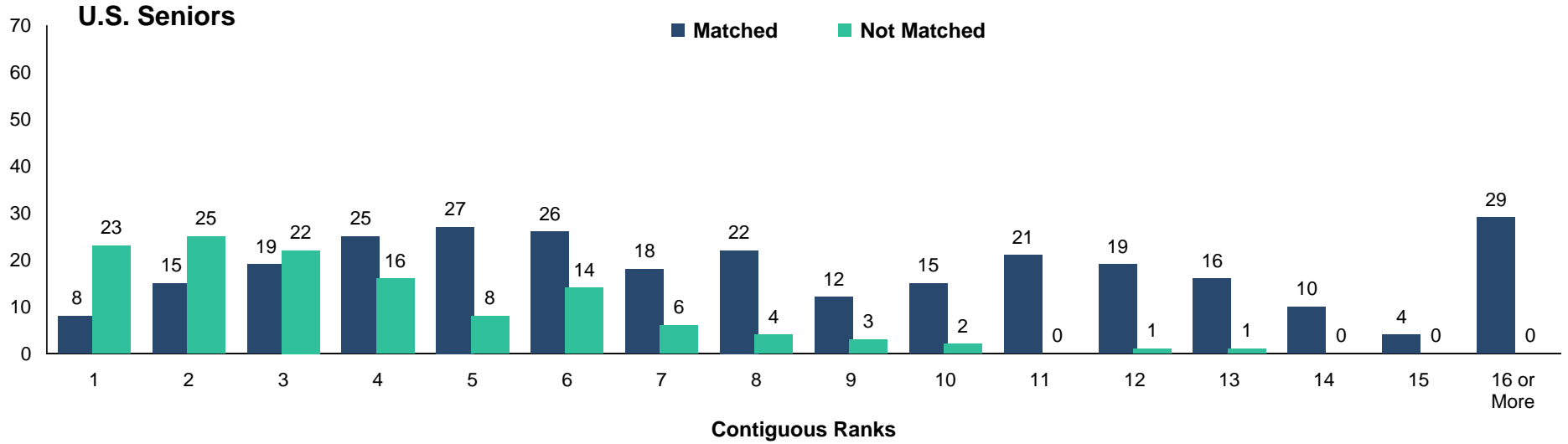
Measure	U.S. Seniors		Independent Applicants	
	Matched (n=286)	Unmatched (n=125)	Matched (n=48)	Unmatched (n=108)
1. Mean number of contiguous ranks	8.5	3.8	3.5	2.2
2. Mean number of distinct specialties ranked	2.0	2.2	1.2	1.4
3. Mean USMLE Step 1 score	242	231	225	218
4. Mean USMLE Step 2 score	251	241	232	223
5. Mean number of research experiences	3.6	3.0	4.1	3.0
6. Mean number of abstracts, presentations, and publications	7.2	4.1	9.0	6.7
7. Mean number of work experiences	2.7	2.5	3.4	3.4
8. Mean number of volunteer experiences	7.7	7.2	7.4	5.1
9. Percentage who are AOA members	51.4	23.2	n/a	n/a
10. Percentage who graduated from one of the 40 U.S. medical schools with the highest NIH funding	47.2	22.4	n/a	n/a
11. Percentage who have Ph.D. degree	11.2	1.6	n/a	n/a
12. Percentage who have another graduate degree	9.8	8.0	n/a	n/a

n/a: The measure either does not apply to, applies to only a small percentage of, or no reliable data were available for independent applicants.

Sources. Measures 1, 2, and match outcome are from the NRMP Data Warehouse; measures 3 and 4 are from the AAMC Data Warehouse and from the ECFMG, both by permission of the NBME and ECFMG; measures 5-9 are from the AAMC Data Warehouse; measure 10 is from the NIH website (<http://report.nih.gov/award/trends/AggregateDate.cfm> Medical Schools Only.xls); and measures 11 and 12 are from the AAMC Data Warehouse.

Note: USMLE Step 1 scores are not available for most osteopathic medical school graduates included in the independent applicant group. Approximately 30 percent of U.S. allopathic medical school seniors do not take the USMLE Step 2 prior to the Match.

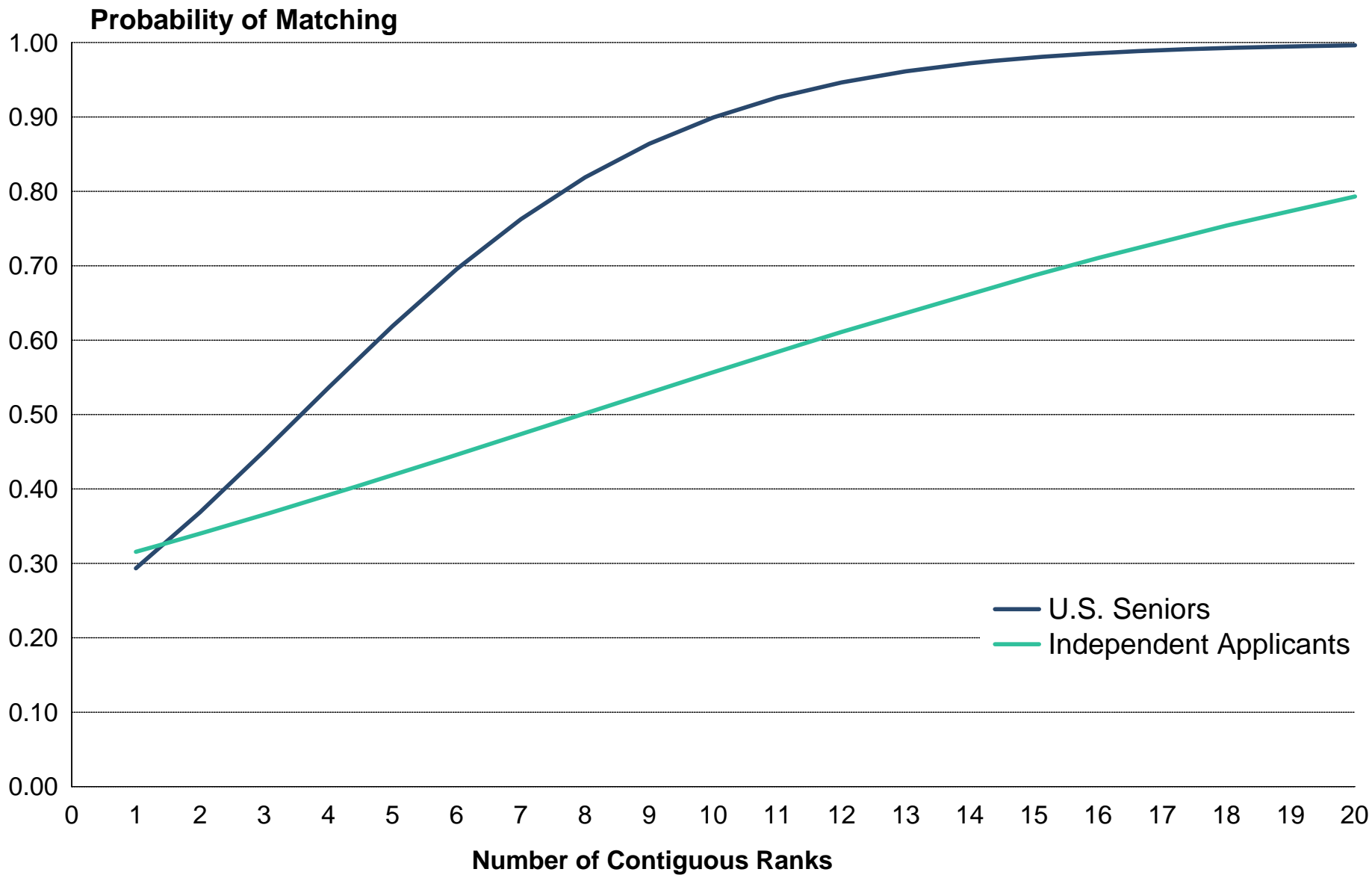
# Number of Contiguous Ranks Within Preferred Specialty *Dermatology*



Source: NRMP Data Warehouse

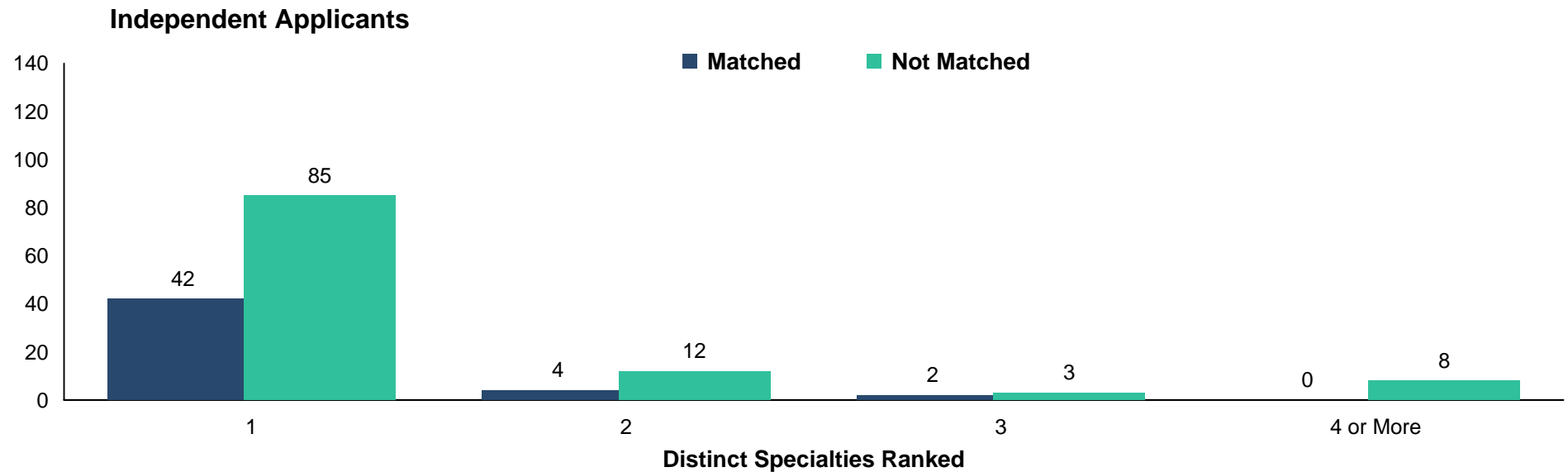
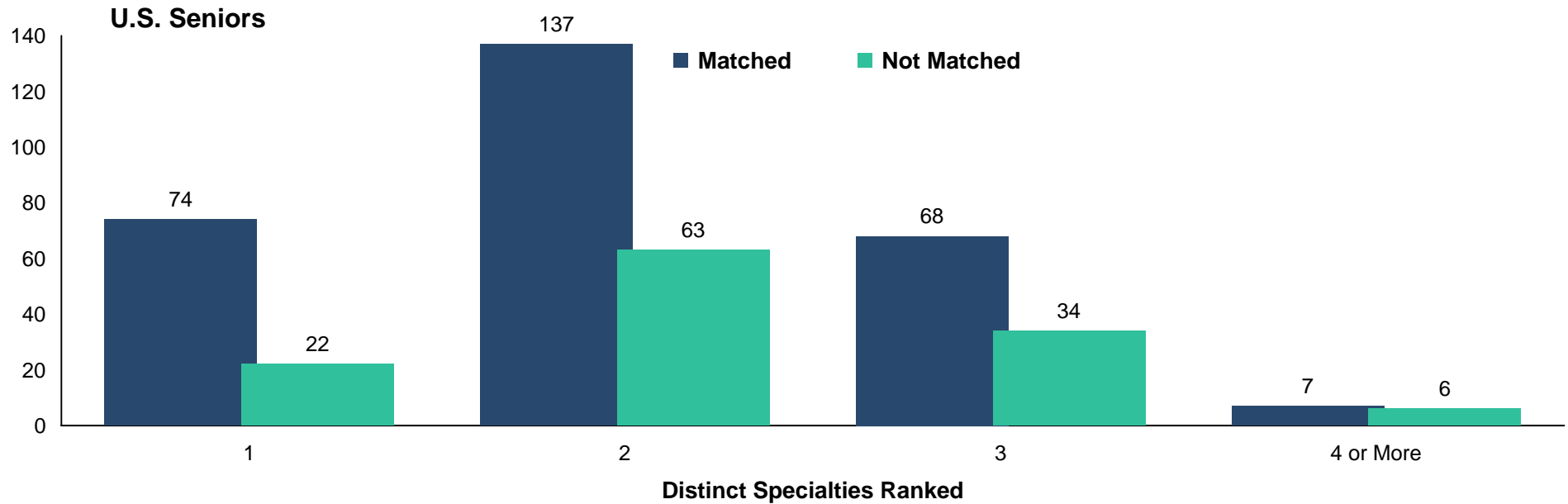
# Probability of Matching to Preferred Specialty by Number of Contiguous Ranks

## Dermatology

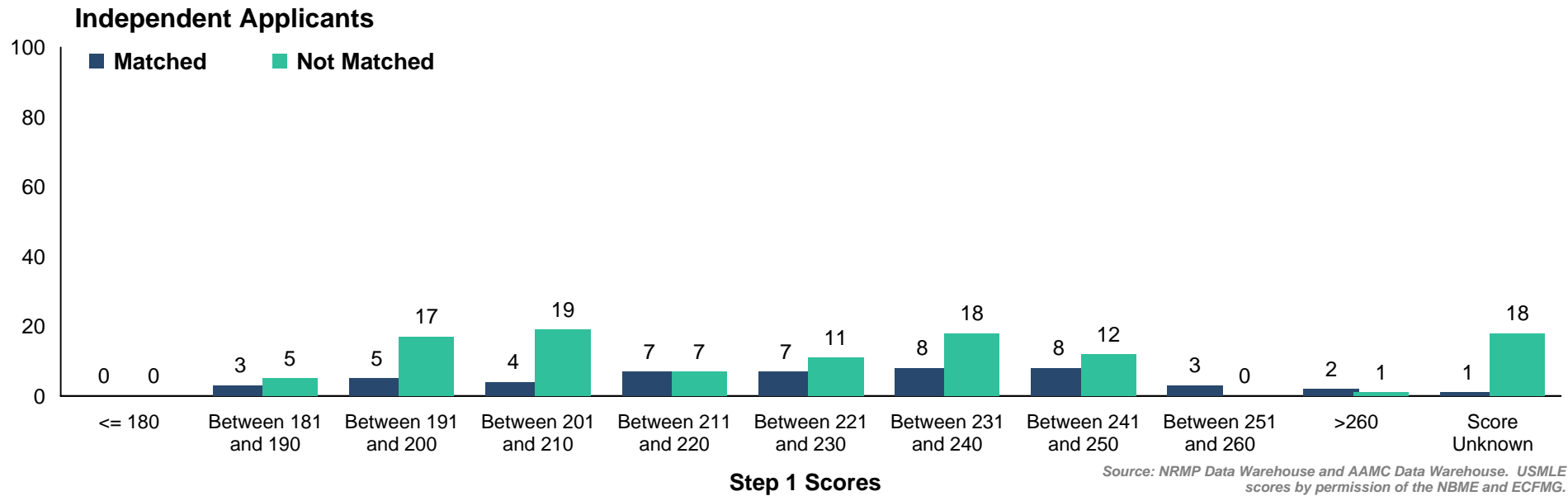
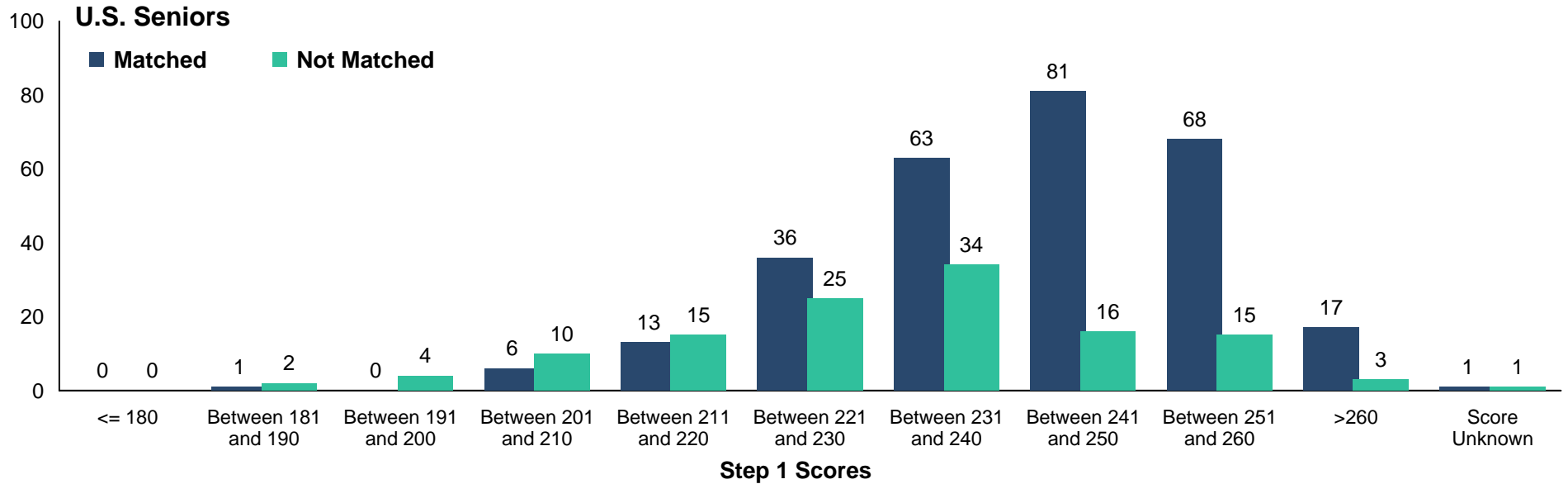


Source: NRMP Data Warehouse. Note: Probabilities calculated based on 2007-2009 applicants.

**Number of Distinct Specialties Ranked**  
*Dermatology*



Source: NRMP Data Warehouse

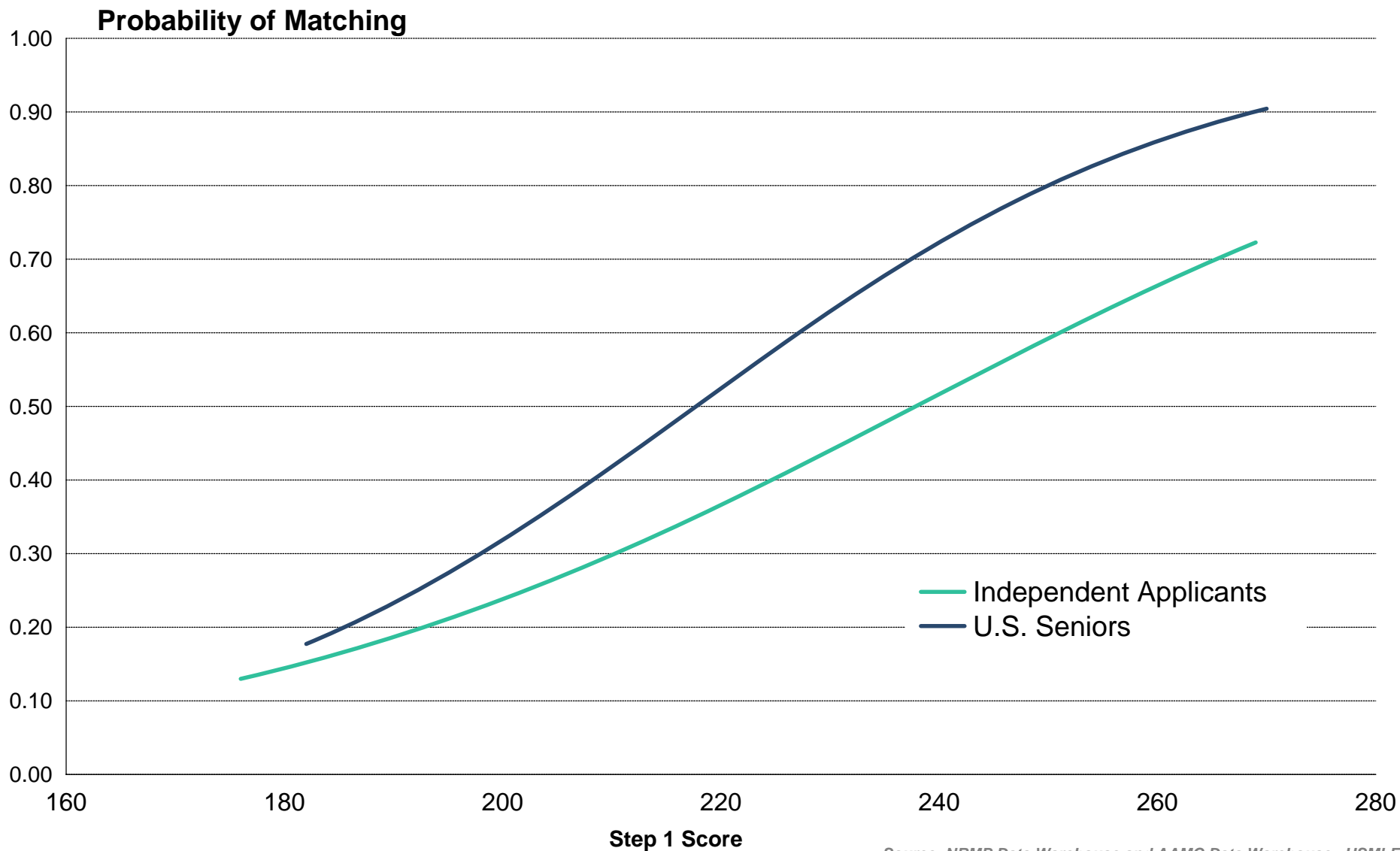


Source: NRMP Data Warehouse and AAMC Data Warehouse. USMLE scores by permission of the NBME and ECFMG.

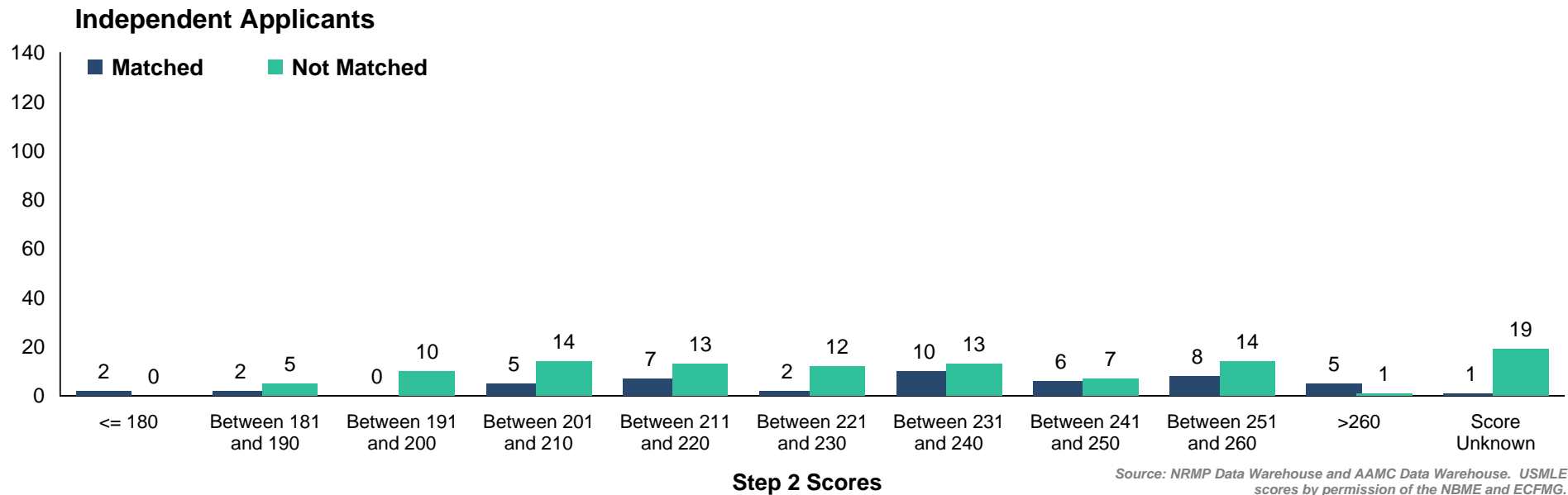
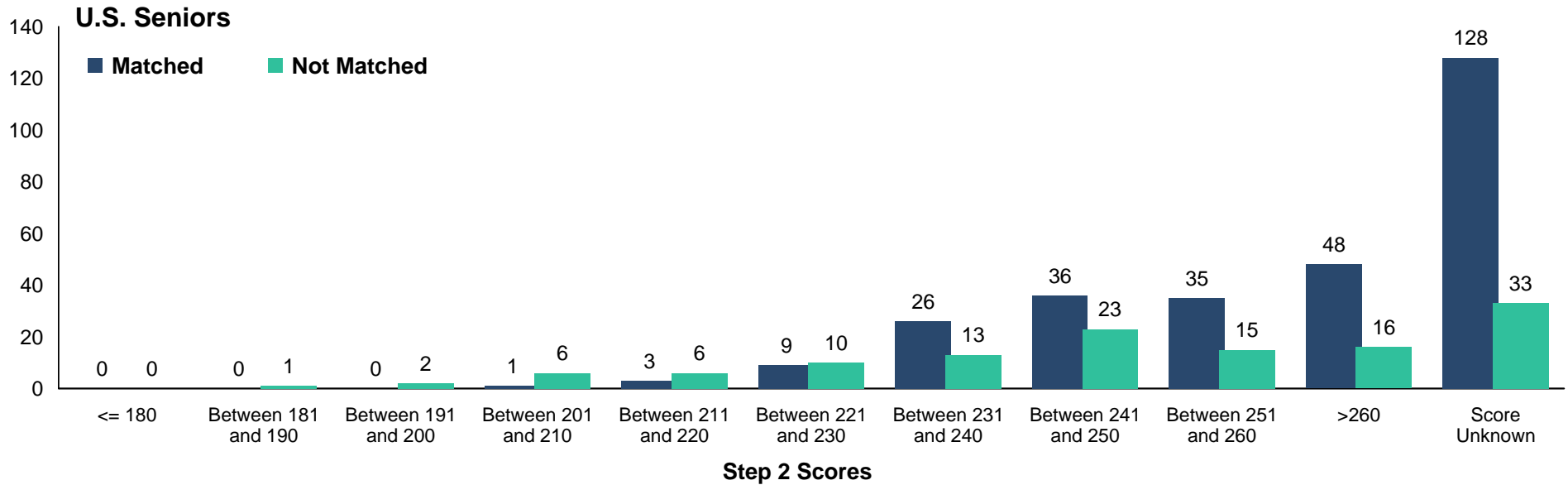


# Probability of Matching to Preferred Specialty by USMLE Step 1 Score

## Dermatology

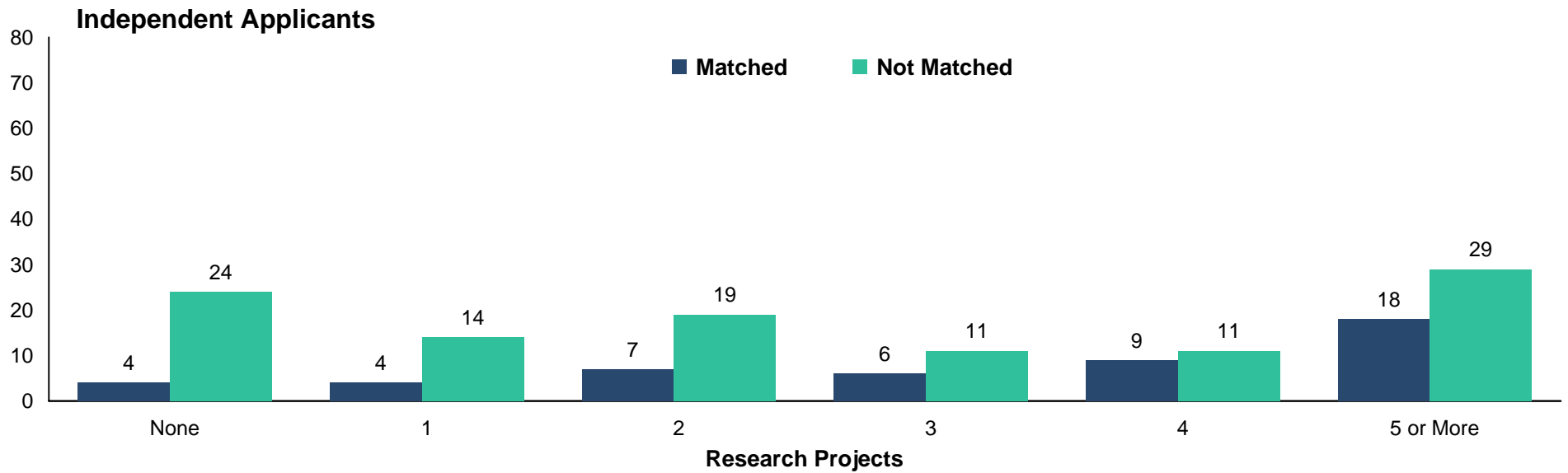
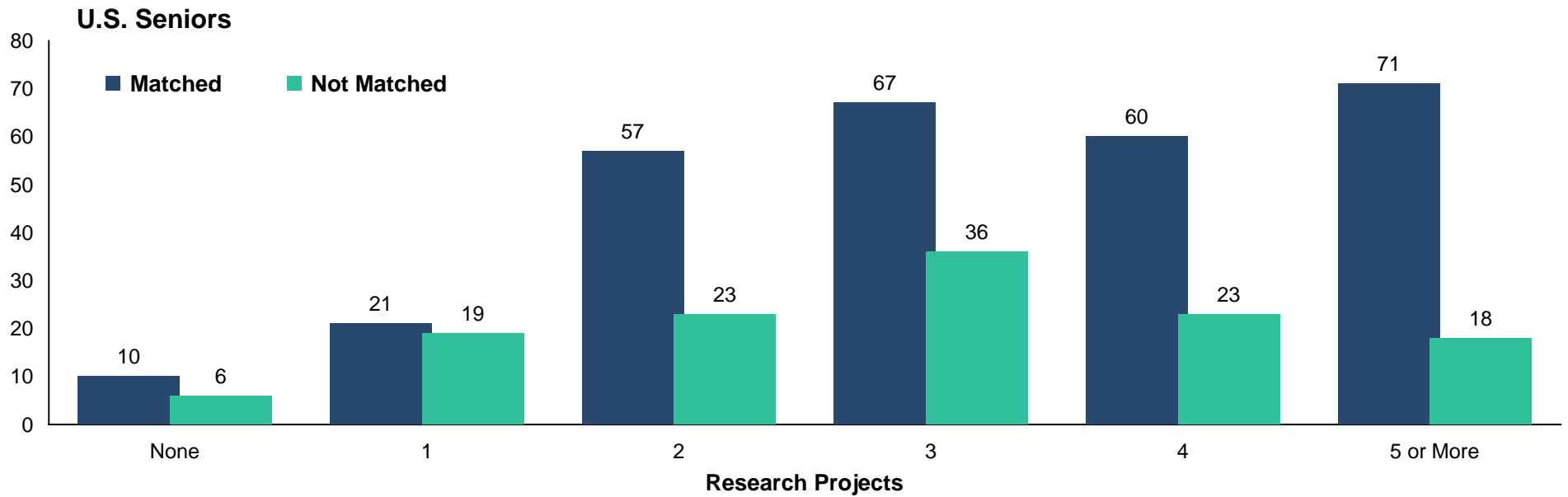


Source: NRMP Data Warehouse and AAMC Data Warehouse. USMLE scores by permission of the NBME and ECFMG. Note: Probabilities calculated based on 2007-2009 applicants.



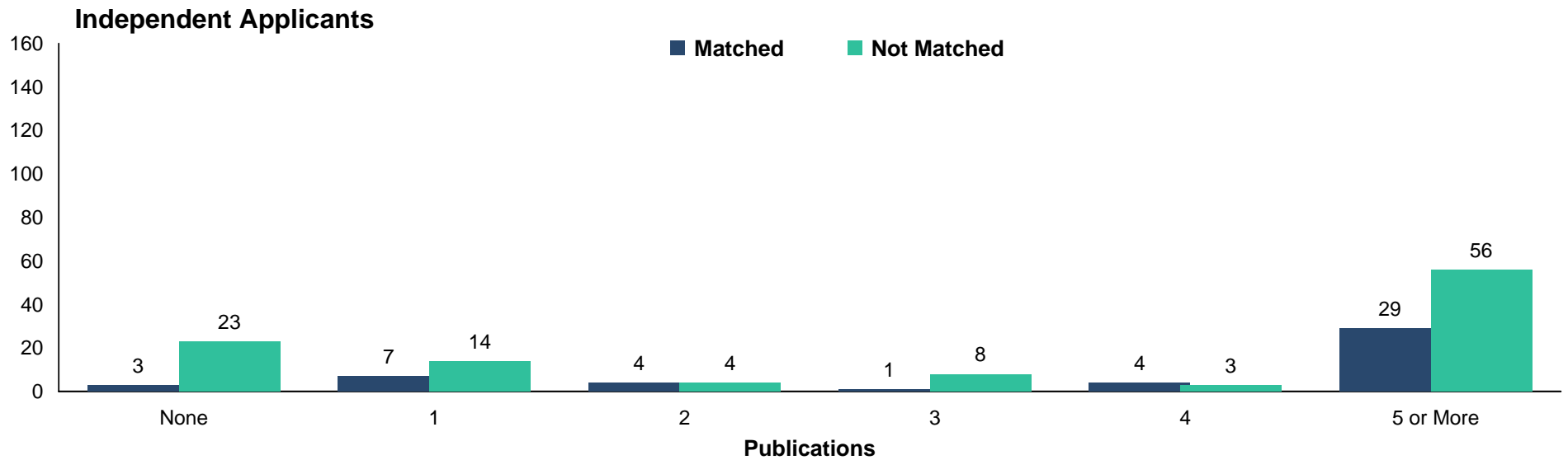
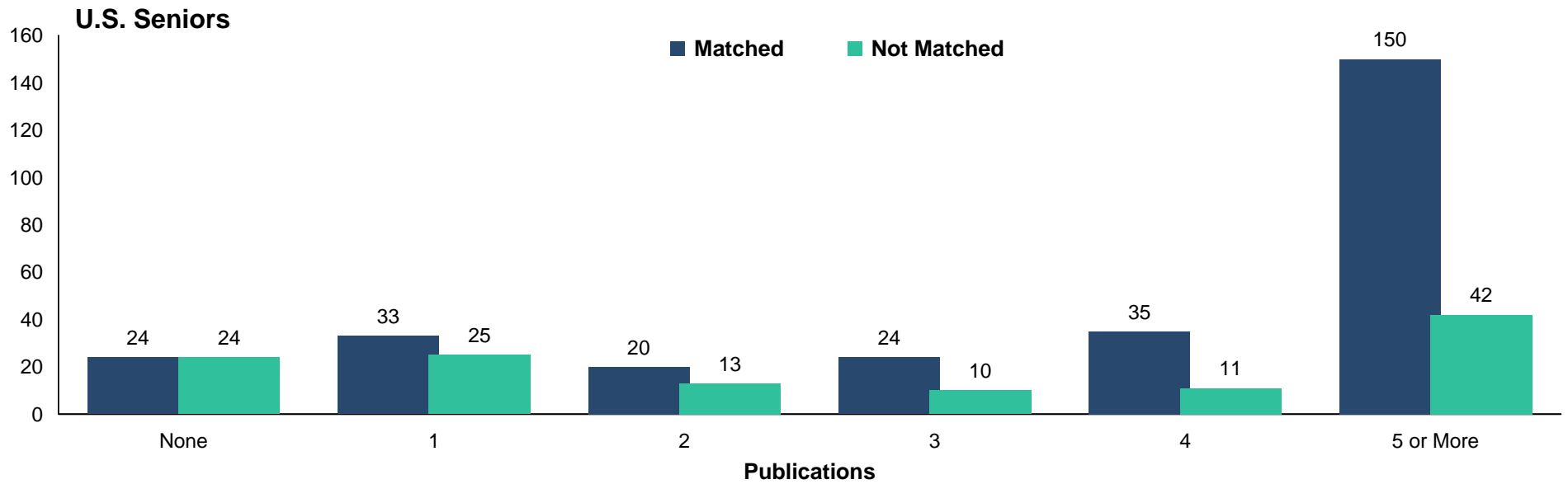
Source: NRMP Data Warehouse and AAMC Data Warehouse. USMLE scores by permission of the NBME and ECFMG.

**Number of Research Projects  
Dermatology**



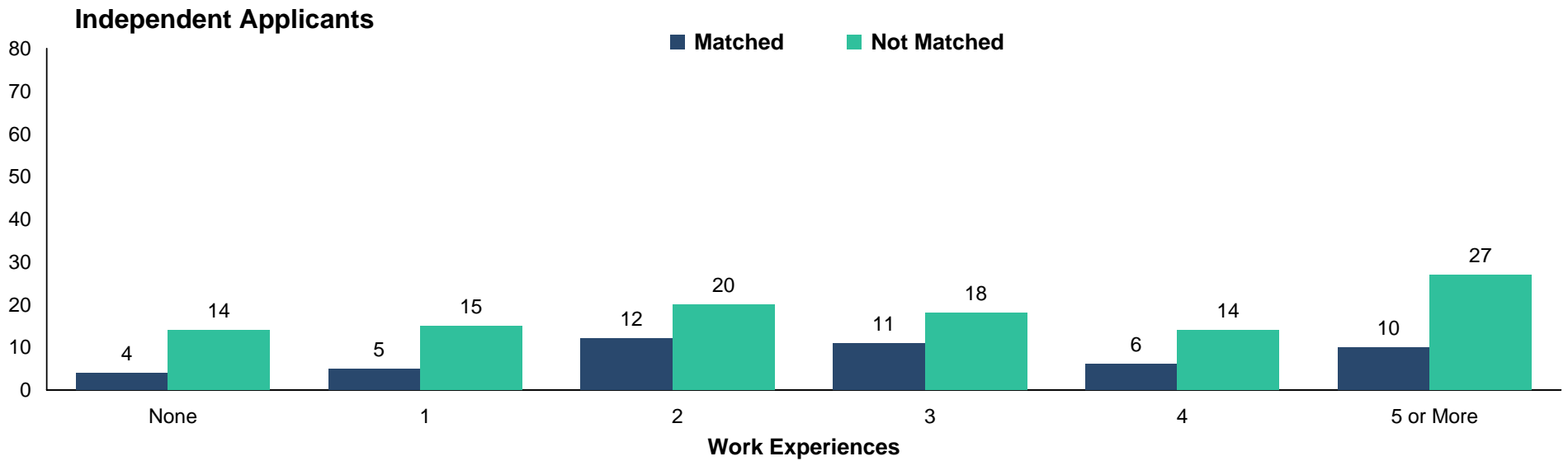
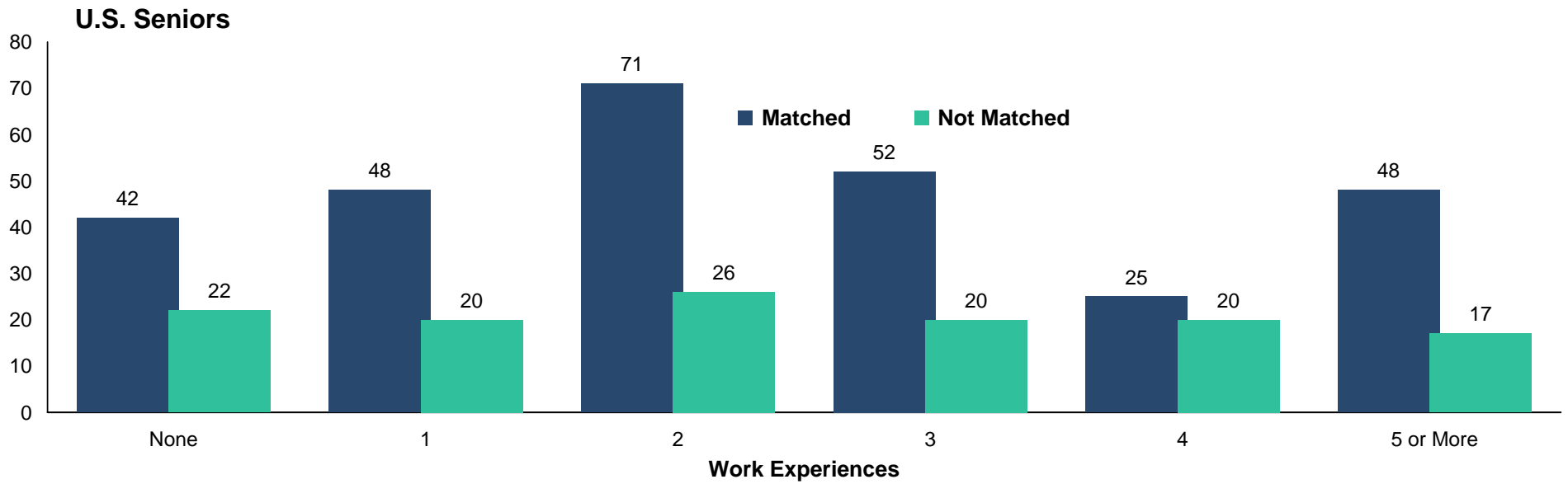
Source: NRMP Data Warehouse and AAMC Data Warehouse

**Number of Abstracts, Presentations, and Publications  
Dermatology**



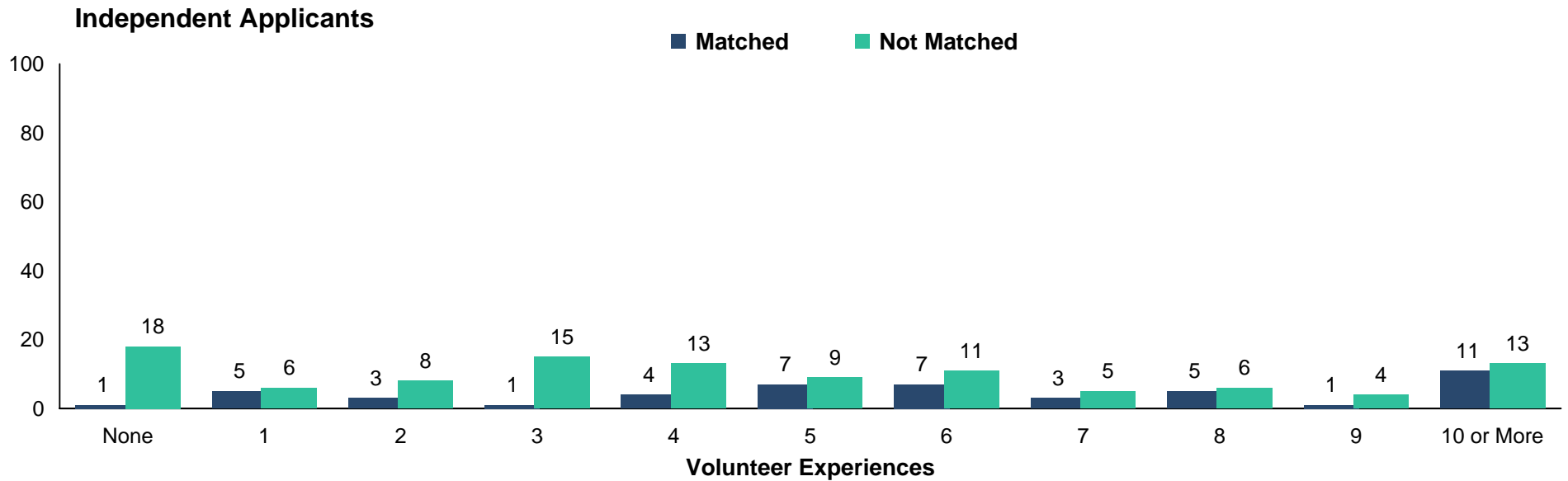
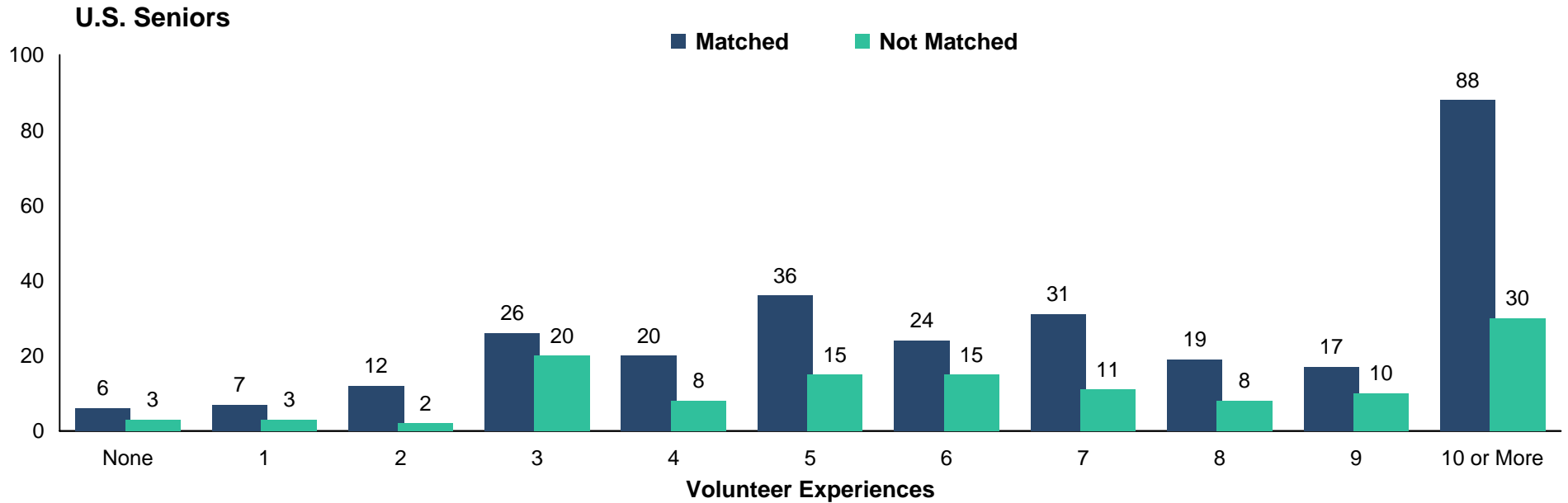
Source: NRMP Data Warehouse and AAMC Data Warehouse

**Number of Work Experiences  
Dermatology**



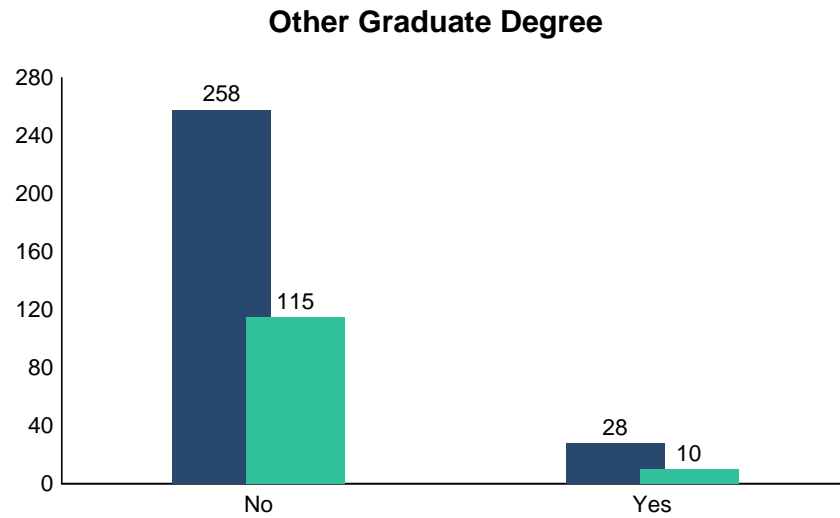
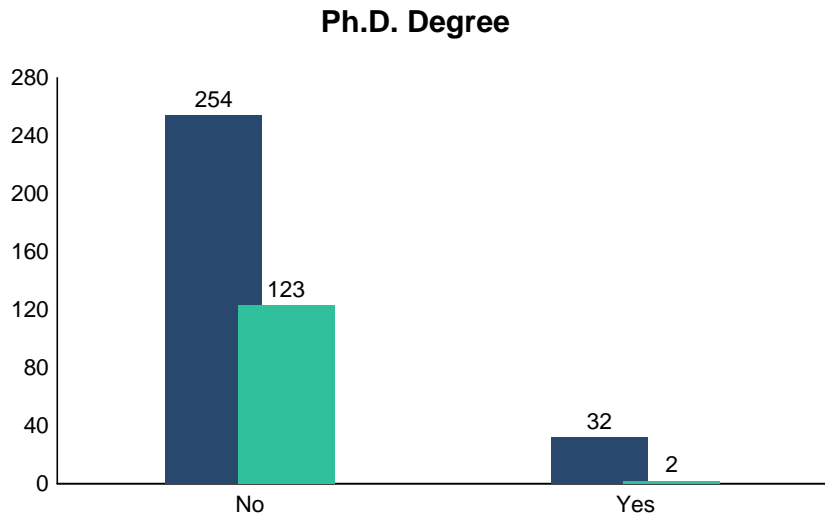
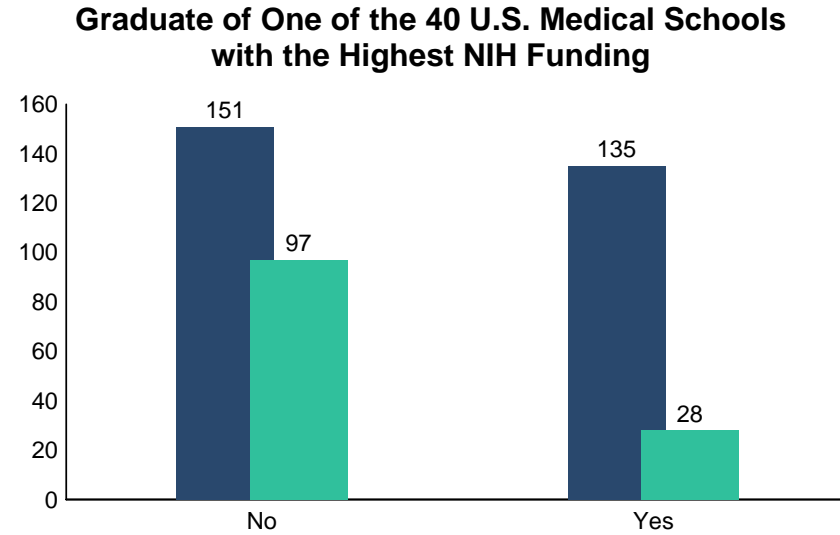
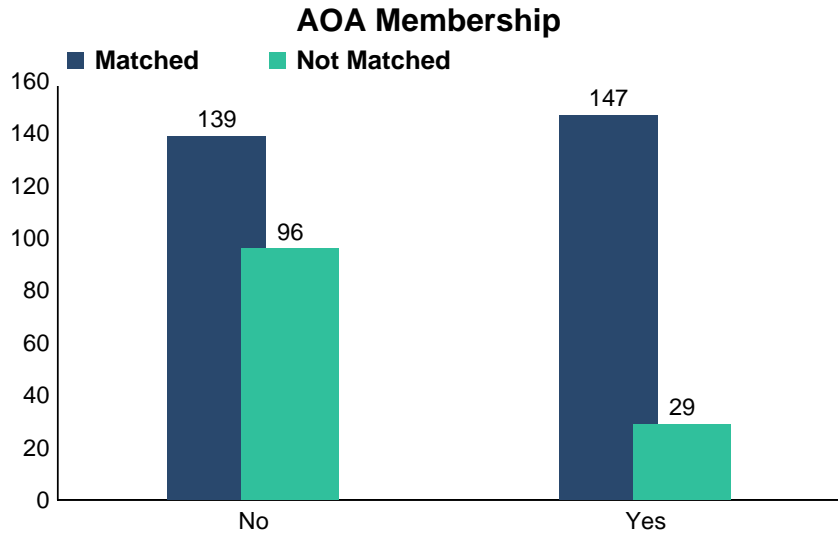
Source: NRMP Data Warehouse and AAMC Data Warehouse

**Number of Volunteer Experiences**  
*Dermatology*



Source: NRMP Data Warehouse and AAMC Data Warehouse.

**Other Characteristics of U.S. Seniors  
Dermatology**



Sources. AOA membership from the AAMC Data Warehouse, NIH awards from <http://report.nih.gov/award/trends/AggregateData.cfm> Medical Schools Only.xls, Ph.D. and other graduate degrees from the AAMC Data Warehouse

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**DR** Diagnostic Radiology



**Table DR-1** **Summary Statistics**  
**Diagnostic Radiology**

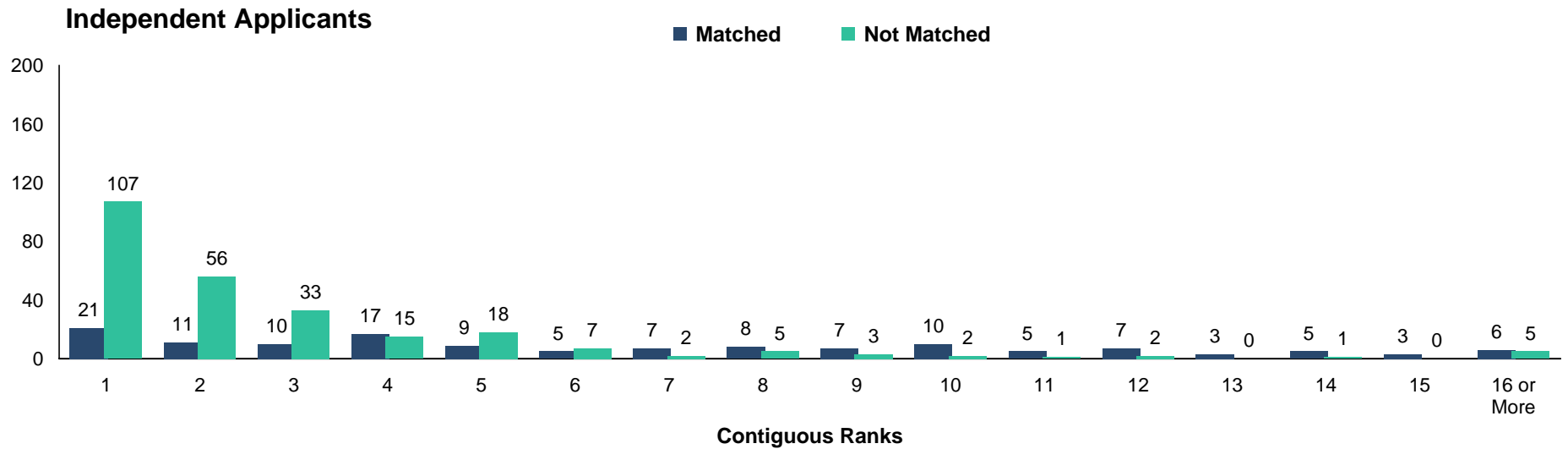
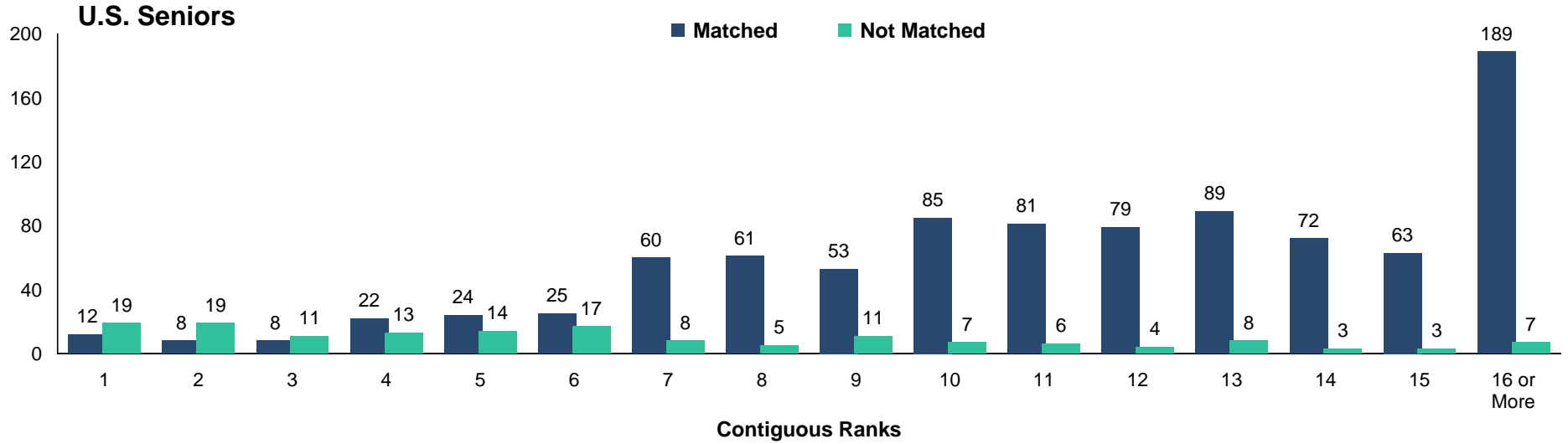
Measure	U.S. Seniors		Independent Applicants	
	Matched (n=931)	Unmatched (n=155)	Matched (n=134)	Unmatched (n=257)
1. Mean number of contiguous ranks	11.9	6.5	6.8	3.0
2. Mean number of distinct specialties ranked	1.6	1.9	1.6	1.7
3. Mean USMLE Step 1 score	238	220	235	223
4. Mean USMLE Step 2 score	242	218	239	223
5. Mean number of research experiences	2.7	2.3	2.1	1.8
6. Mean number of abstracts, presentations, and publications	3.5	3.2	4.3	4.4
7. Mean number of work experiences	2.6	2.9	2.7	3.2
8. Mean number of volunteer experiences	5.3	4.7	3.9	2.9
9. Percentage who are AOA members	23.2	1.9	n/a	n/a
10. Percentage who graduated from one of the 40 U.S. medical schools with the highest NIH funding	34.0	26.5	n/a	n/a
11. Percentage who have Ph.D. degree	5.0	5.2	n/a	n/a
12. Percentage who have another graduate degree	10.4	17.4	n/a	n/a

n/a: The measure either does not apply to, applies to only a small percentage of, or no reliable data were available for independent applicants.

Sources. Measures 1, 2, and match outcome are from the NRMP Data Warehouse; measures 3 and 4 are from the AAMC Data Warehouse and from the ECFMG, both by permission of the NBME and ECFMG; measures 5-9 are from the AAMC Data Warehouse; measure 10 is from the NIH website (<http://report.nih.gov/award/trends/AggregateDate.cfm> Medical Schools Only.xls); and measures 11 and 12 are from the AAMC Data Warehouse.

Note: USMLE Step 1 scores are not available for most osteopathic medical school graduates included in the independent applicant group. Approximately 30 percent of U.S. allopathic medical school seniors do not take the USMLE Step 2 prior to the Match.

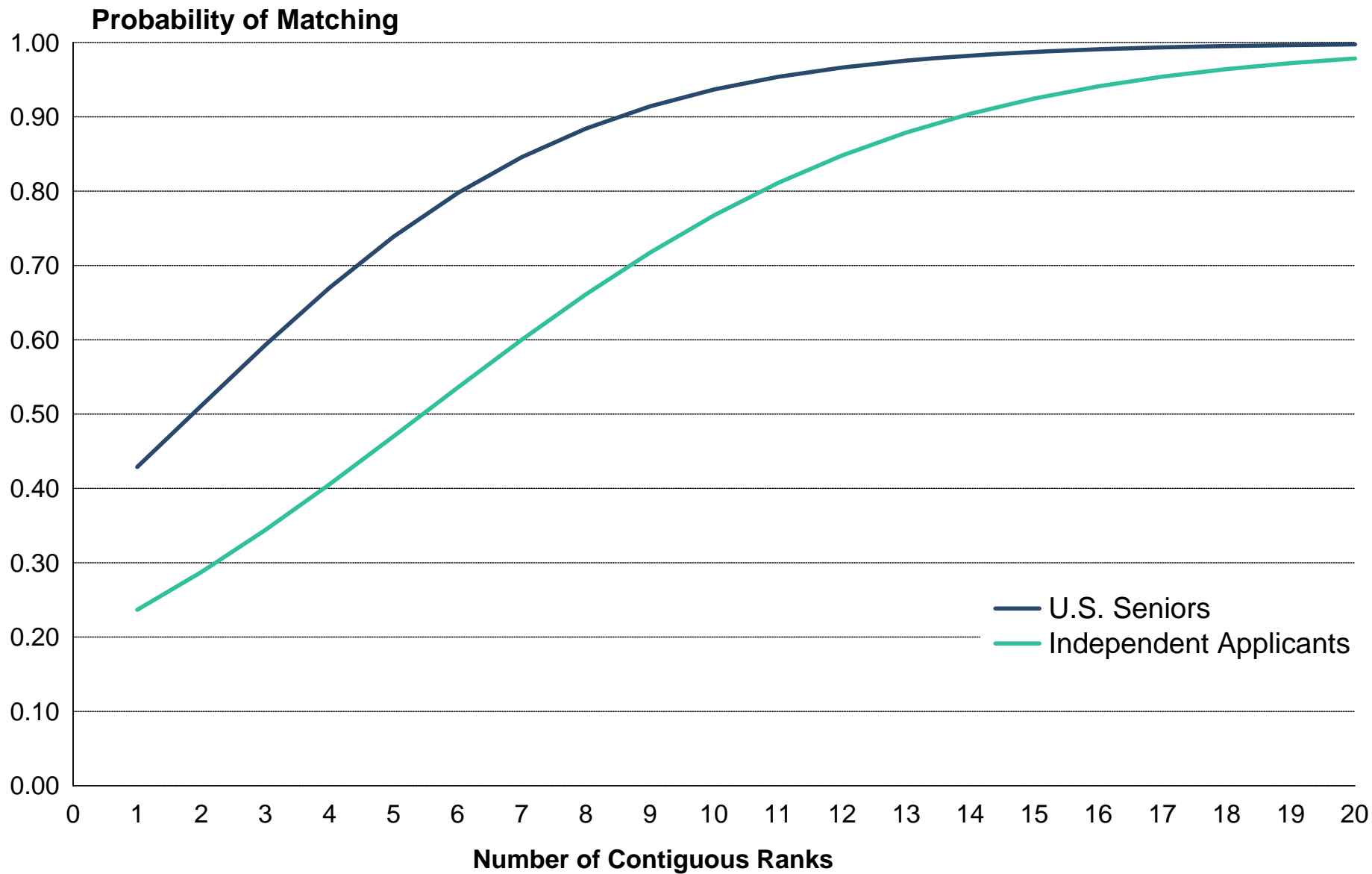
**Number of Contiguous Ranks Within Preferred Specialty  
Diagnostic Radiology**



Source: NRMP Data Warehouse

# Probability of Matching to Preferred Specialty by Number of Contiguous Ranks

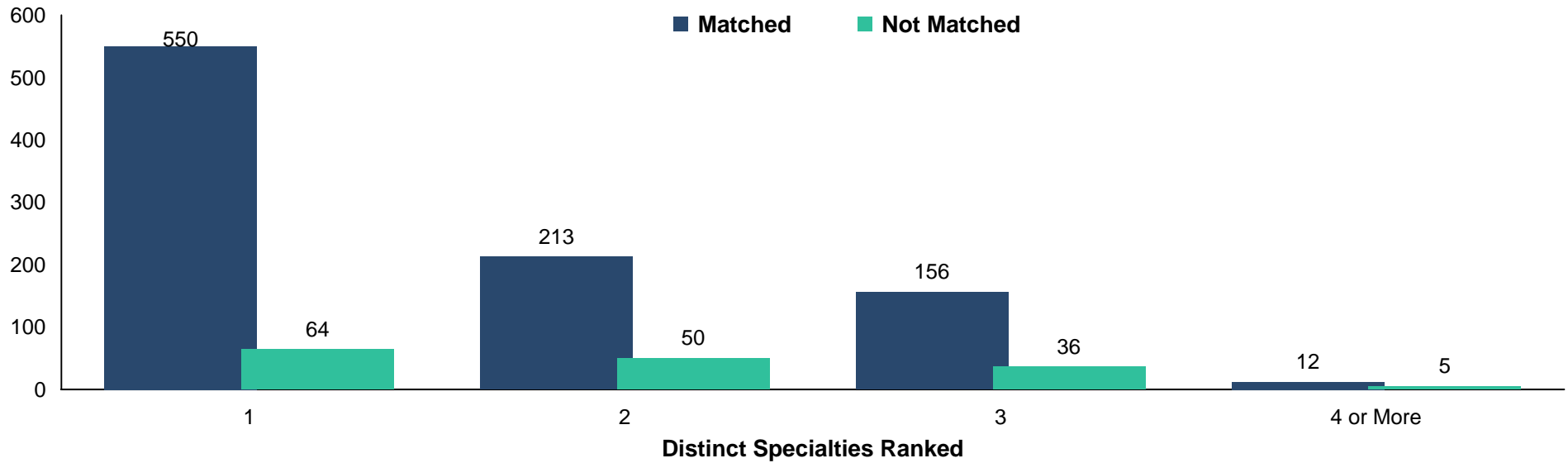
## *Diagnostic Radiology*



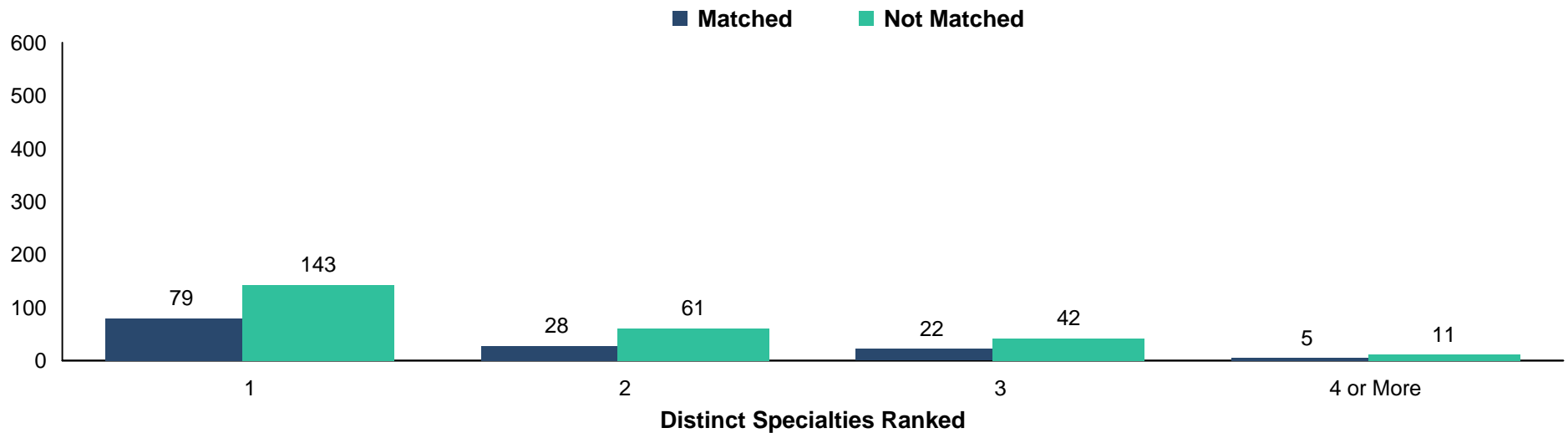
Source: NRMP Data Warehouse. Note: Probabilities calculated based on 2007-2009 applicants.

**Number of Distinct Specialties Ranked**  
*Diagnostic Radiology*

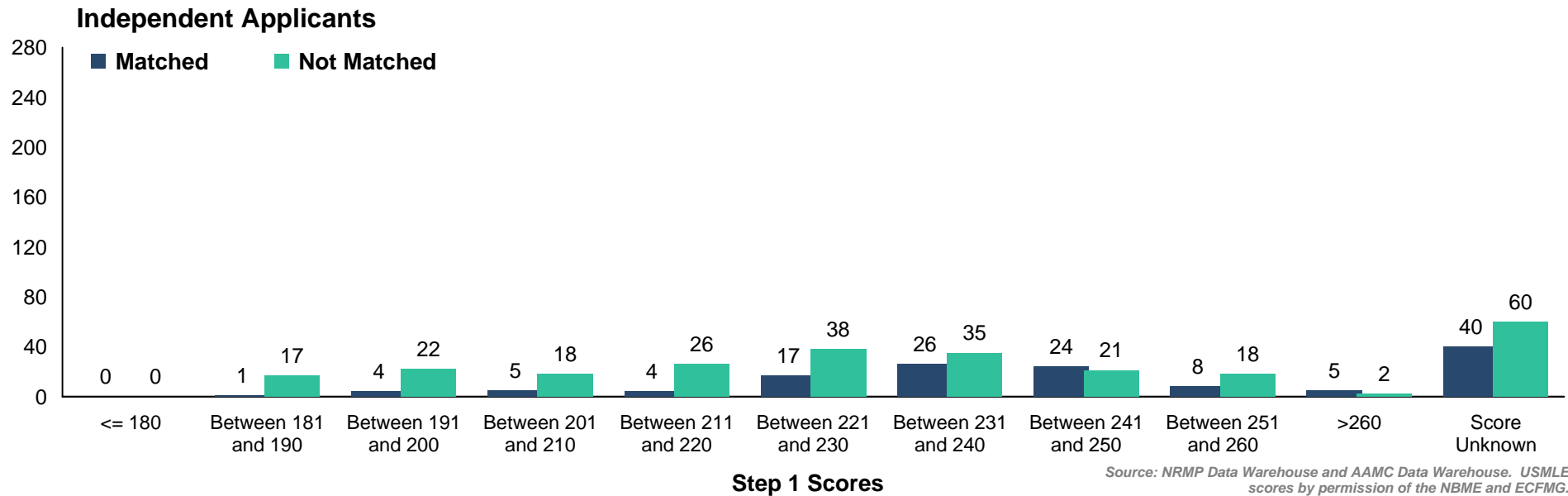
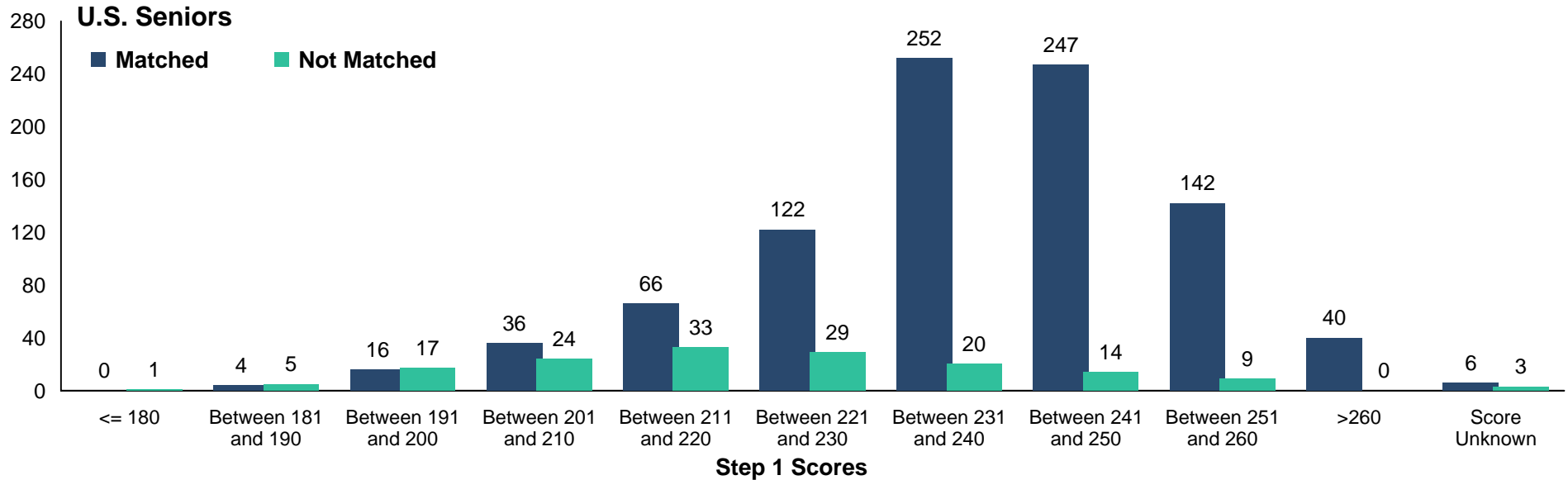
**U.S. Seniors**



**Independent Applicants**



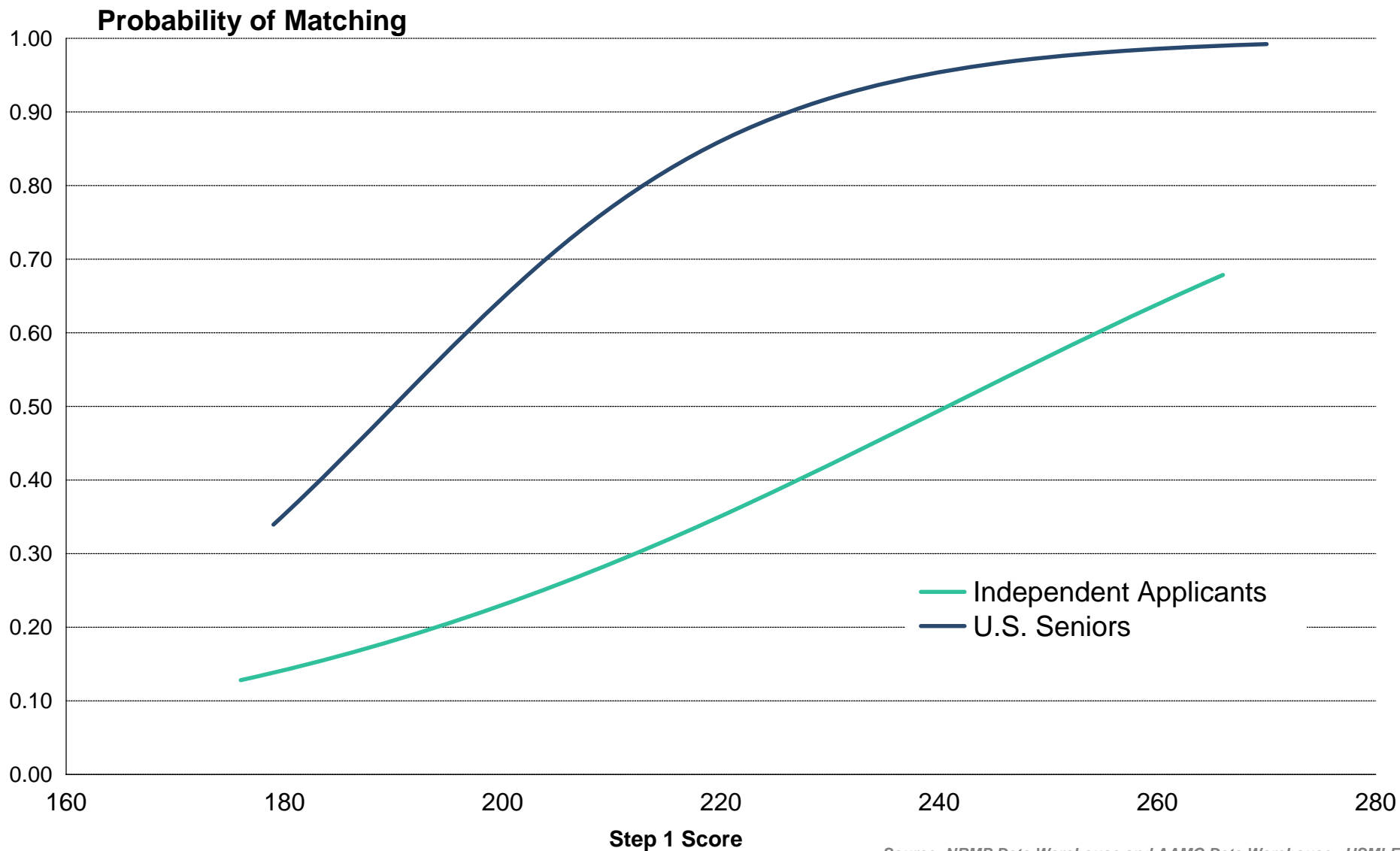
Source: NRMP Data Warehouse



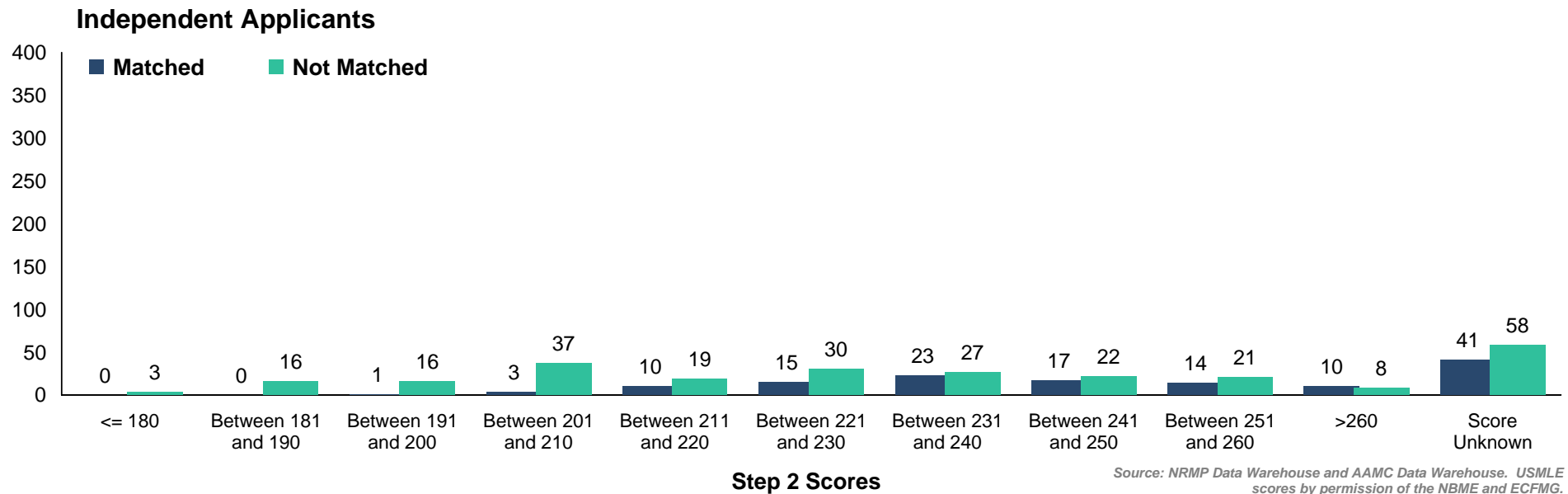
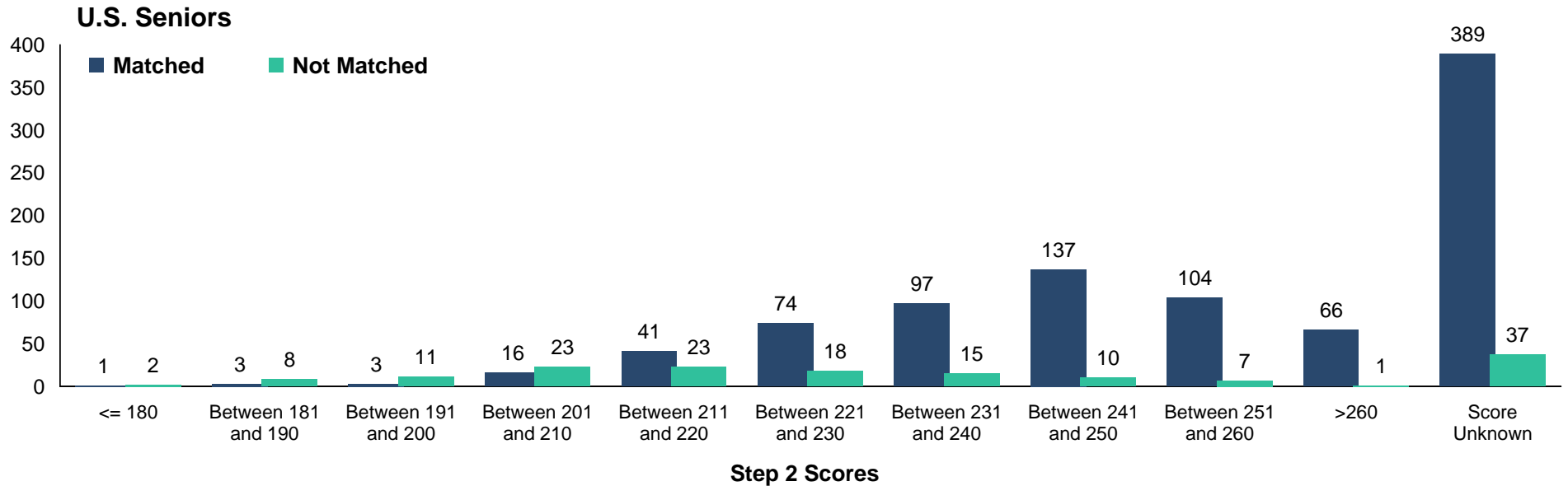
Source: NRMP Data Warehouse and AAMC Data Warehouse. USMLE scores by permission of the NBME and ECFMG.

# Probability of Matching to Preferred Specialty by USMLE Step 1 Score

## Diagnostic Radiology



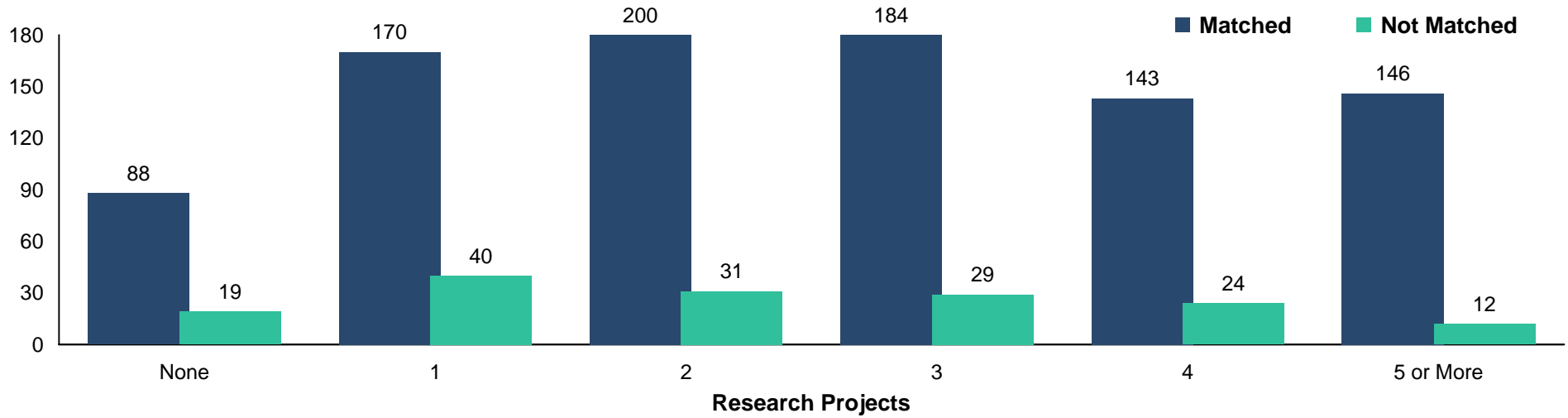
Source: NRMP Data Warehouse and AAMC Data Warehouse. USMLE scores by permission of the NBME and ECFMG. Note: Probabilities calculated based on 2007-2009 applicants.



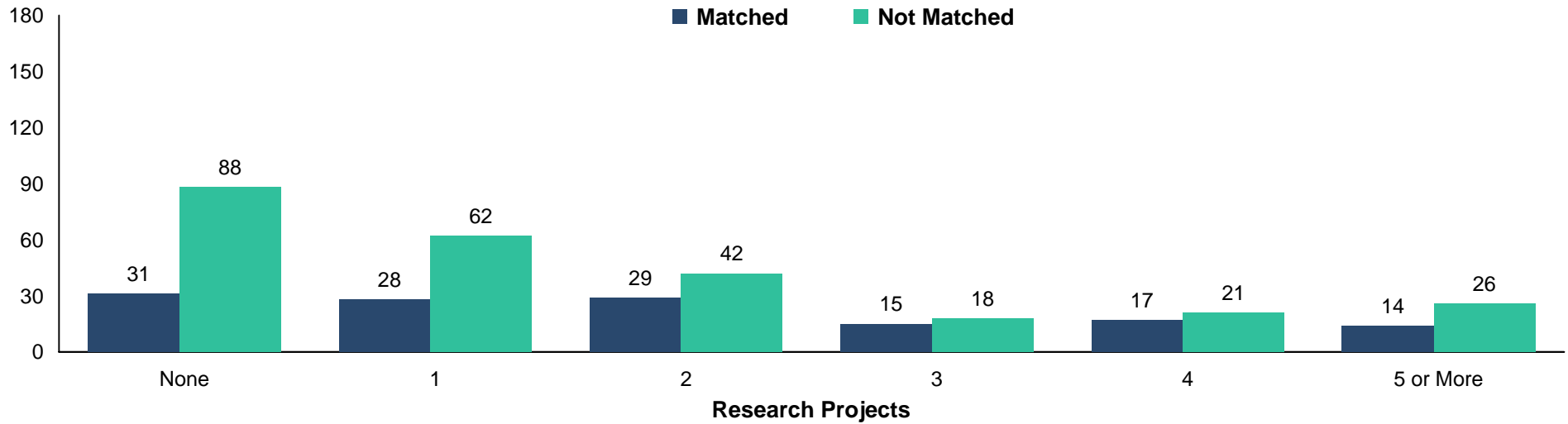
Source: NRMP Data Warehouse and AAMC Data Warehouse. USMLE scores by permission of the NBME and ECFMG.

**Number of Research Projects  
Diagnostic Radiology**

**U.S. Seniors**



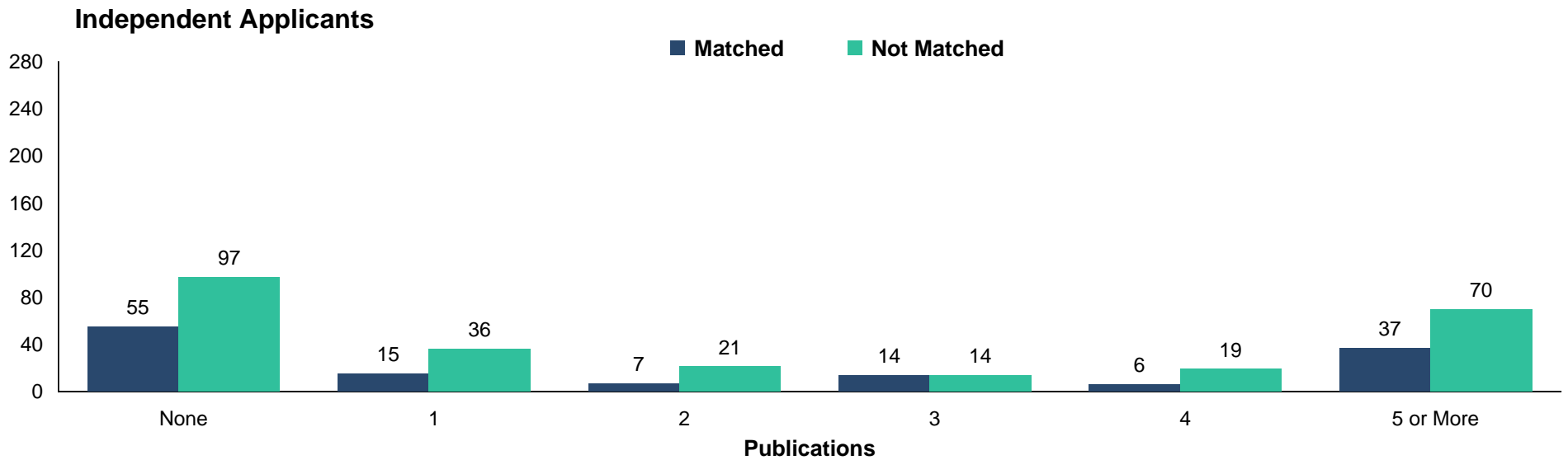
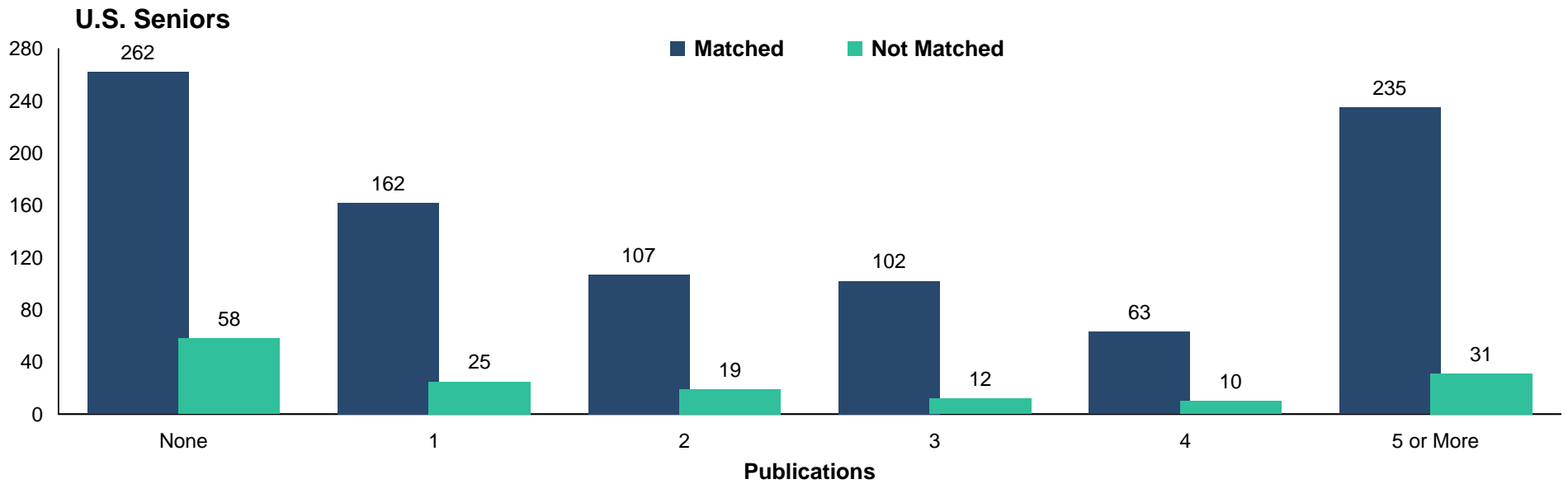
**Independent Applicants**



Source: NRMP Data Warehouse and AAMC Data Warehouse



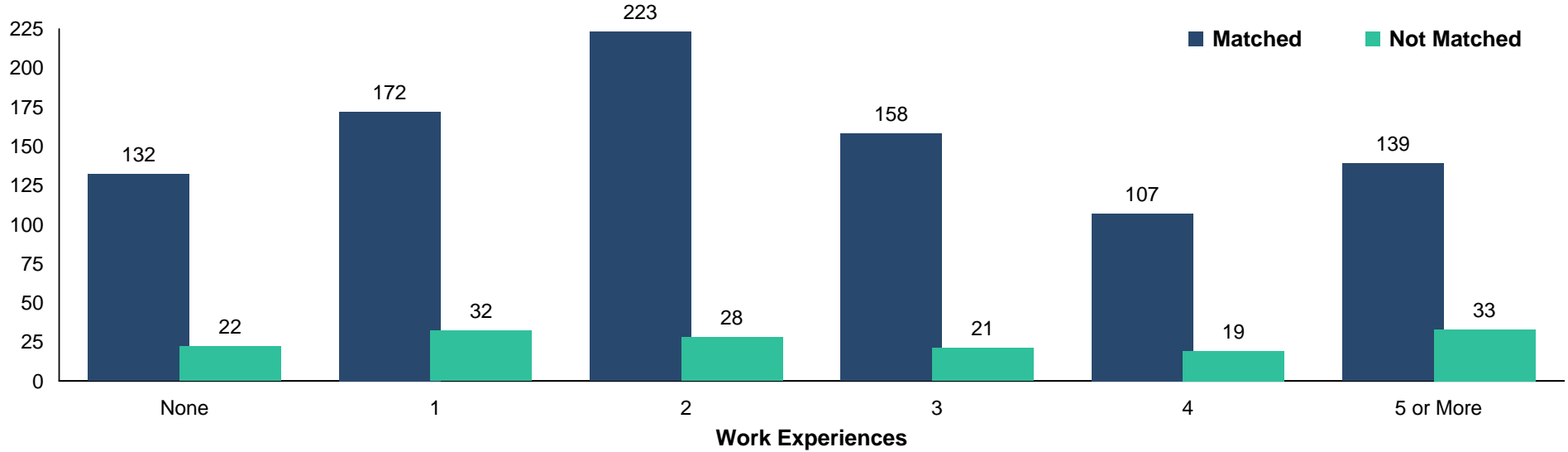
**Number of Abstracts, Presentations, and Publications**  
*Diagnostic Radiology*



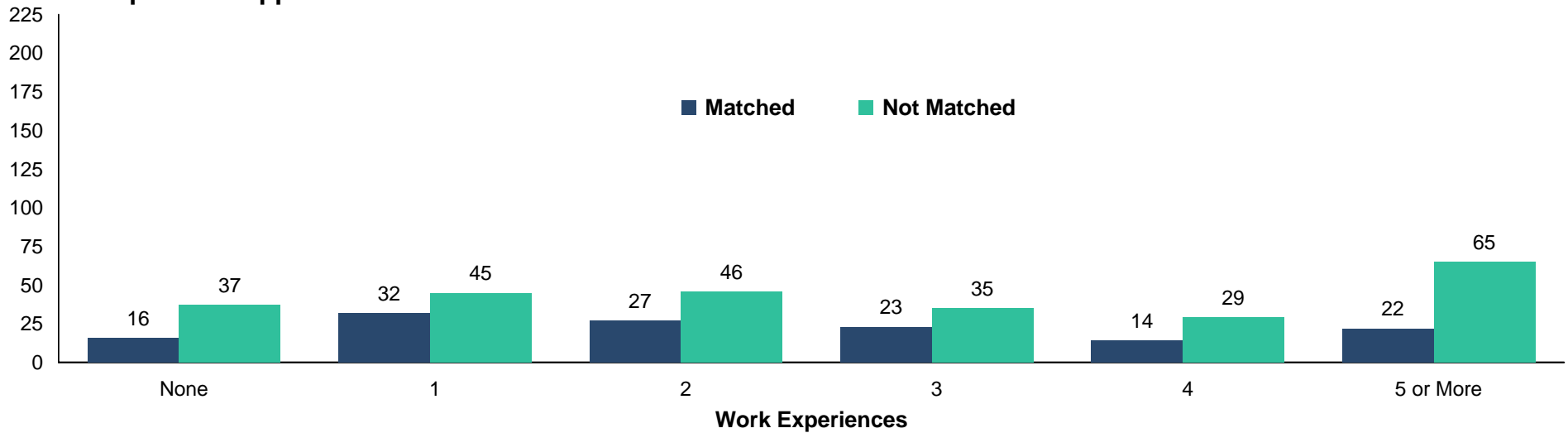
Source: NRMP Data Warehouse and AAMC Data Warehouse

**Number of Work Experiences  
Diagnostic Radiology**

**U.S. Seniors**

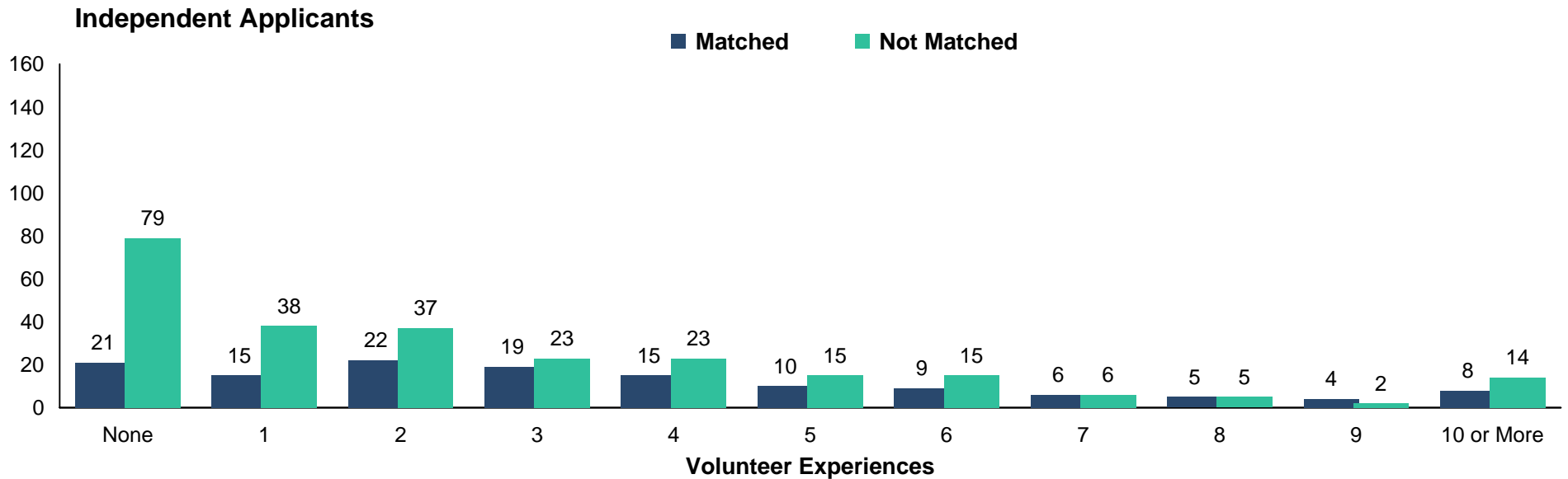
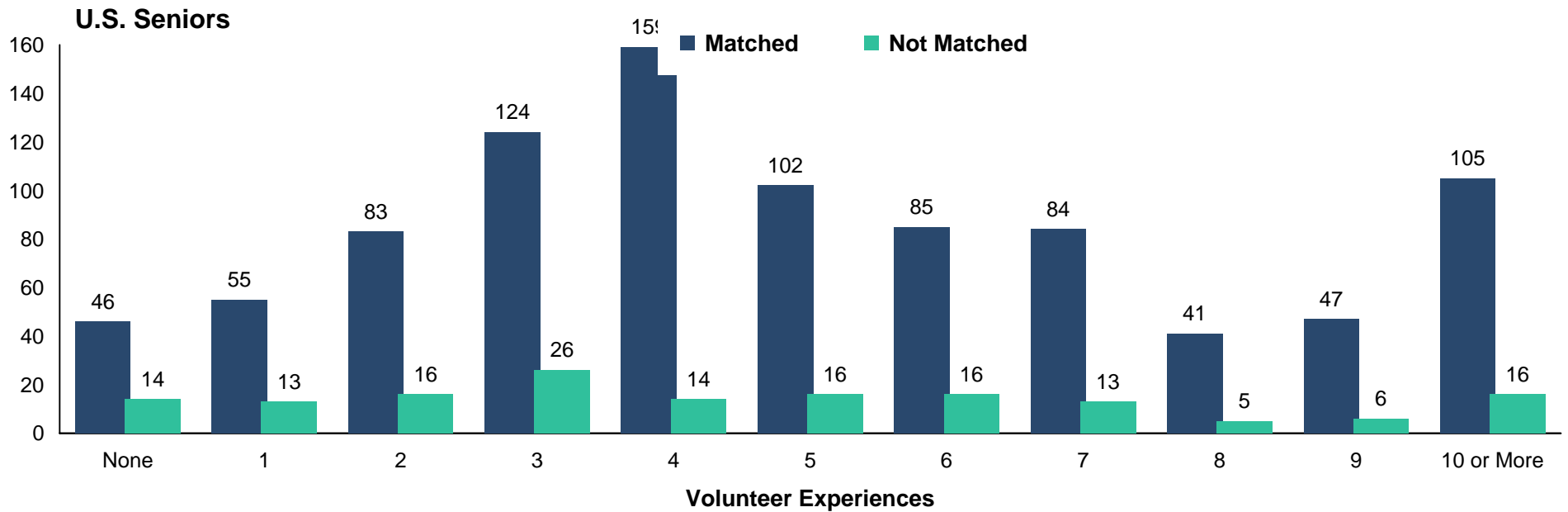


**Independent Applicants**



Source: NRMP Data Warehouse and AAMC Data Warehouse

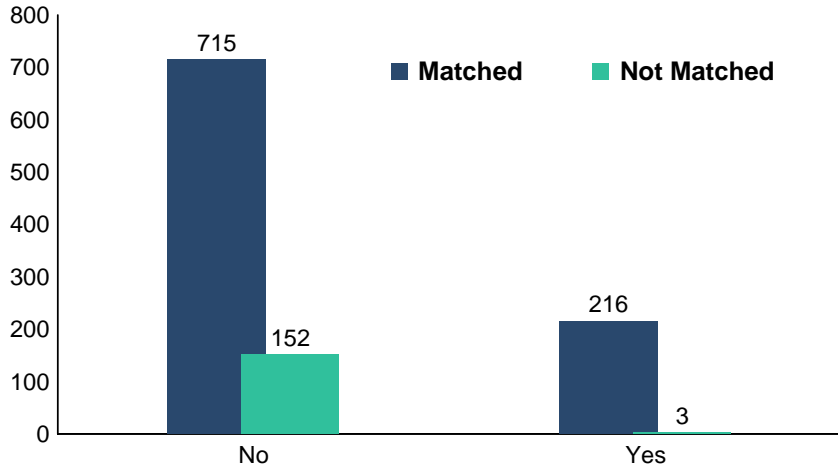
**Number of Volunteer Experiences**  
*Diagnostic Radiology*



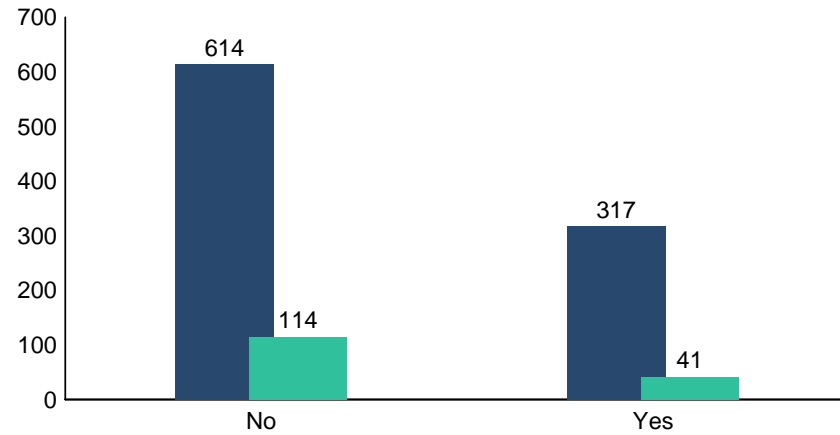
Source: NRMP Data Warehouse and AAMC Data Warehouse.

**Other Characteristics of U.S. Seniors**  
*Diagnostic Radiology*

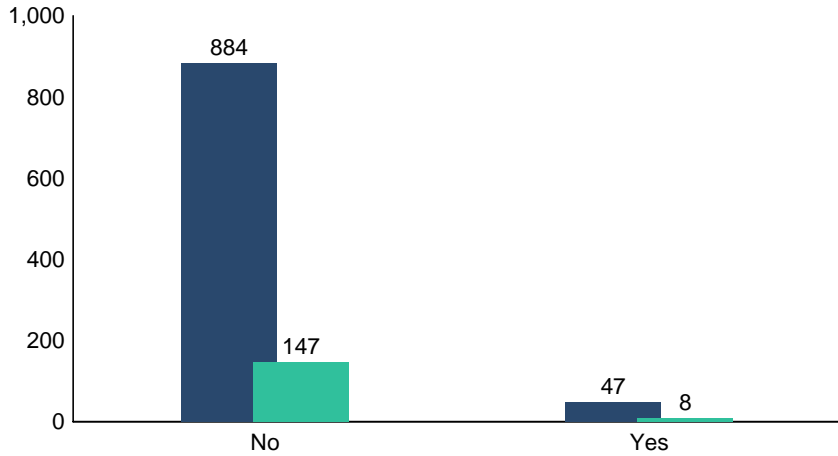
**AOA Membership**



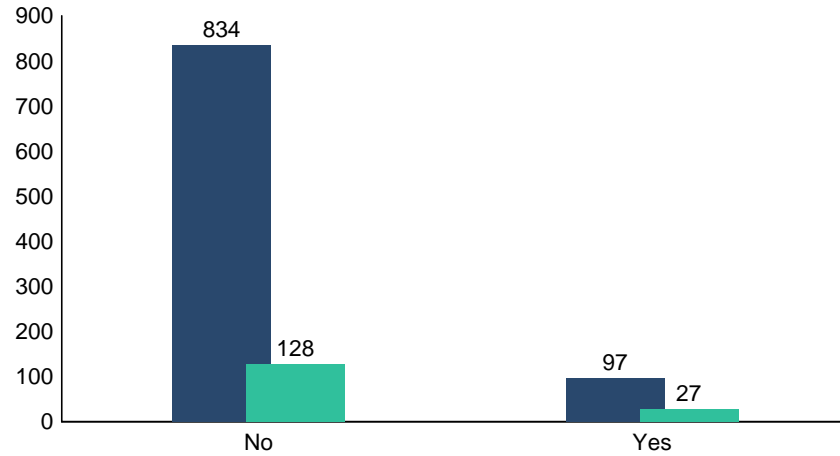
**Graduate of One of the 40 U.S. Medical Schools with the Highest NIH Funding**



**Ph.D. Degree**



**Other Graduate Degree**



Sources: AOA membership from the AAMC Data Warehouse, NIH awards from <http://report.nih.gov/award/trends/AggregateData.cfm> Medical Schools Only.xls, Ph.D. and other graduate degrees from the AAMC Data Warehouse

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**EM** **Emergency Medicine**

**Table** **Summary Statistics**  
**EM-1** **Emergency Medicine**

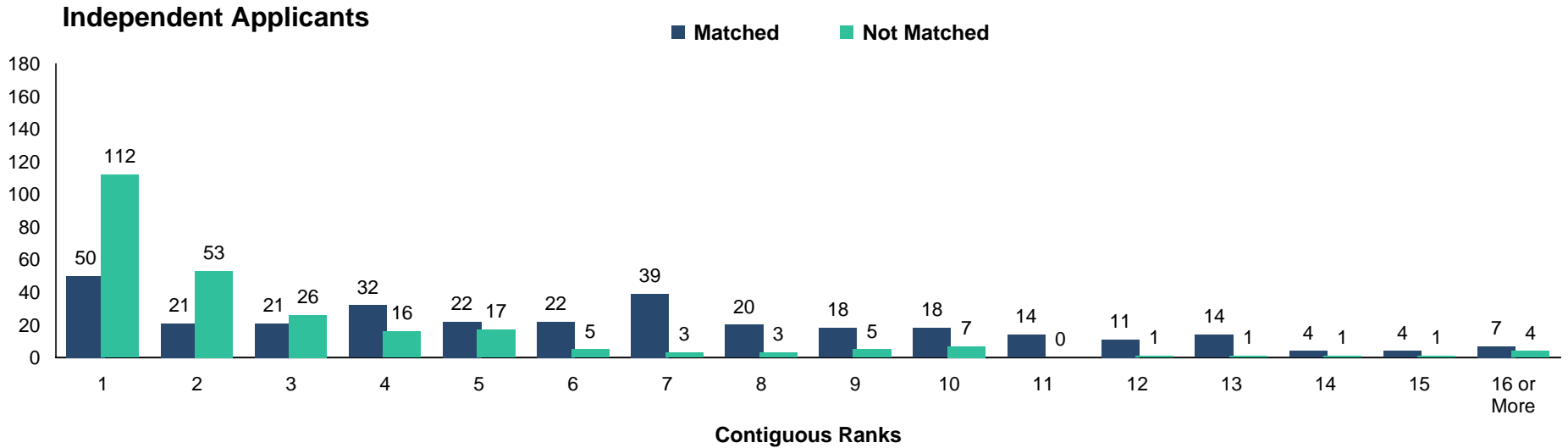
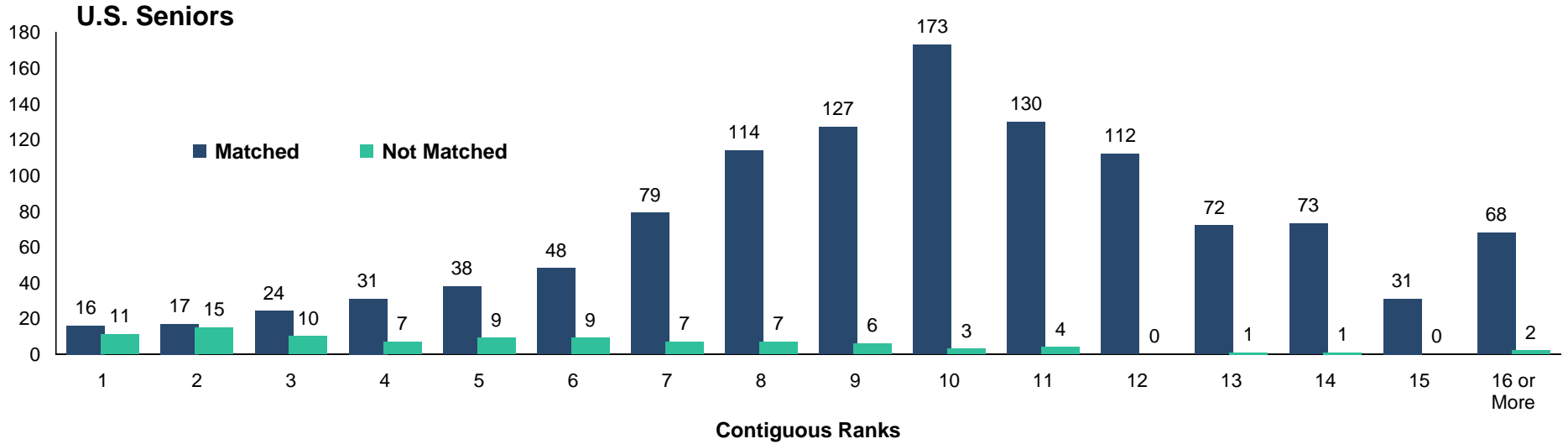
Measure	U.S. Seniors		Independent Applicants	
	Matched (n=1,153)	Unmatched (n=92)	Matched (n=317)	Unmatched (n=255)
1. Mean number of contiguous ranks	9.9	5.4	6.3	3.0
2. Mean number of distinct specialties ranked	1.1	1.4	1.2	1.4
3. Mean USMLE Step 1 score	222	206	219	206
4. Mean USMLE Step 2 score	230	206	226	208
5. Mean number of research experiences	1.8	1.4	1.2	1.1
6. Mean number of abstracts, presentations, and publications	2.0	1.8	1.6	1.9
7. Mean number of work experiences	3.1	3.2	3.4	3.3
8. Mean number of volunteer experiences	6.1	4.9	5.1	3.4
9. Percentage who are AOA members	10.9	3.3	n/a	n/a
10. Percentage who graduated from one of the 40 U.S. medical schools with the highest NIH funding	32.6	20.7	n/a	n/a
11. Percentage who have Ph.D. degree	1.6	2.2	n/a	n/a
12. Percentage who have another graduate degree	12.3	15.2	n/a	n/a

n/a: The measure either does not apply to, applies to only a small percentage of, or no reliable data were available for independent applicants.

Sources. Measures 1, 2, and match outcome are from the NRMP Data Warehouse; measures 3 and 4 are from the AAMC Data Warehouse and from the ECFMG, both by permission of the NBME and ECFMG; measures 5-9 are from the AAMC Data Warehouse; measure 10 is from the NIH website (<http://report.nih.gov/award/trends/AggregateDate.cfm> Medical Schools Only.xls); and measures 11 and 12 are from the AAMC Data Warehouse.

Note: USMLE Step 1 scores are not available for most osteopathic medical school graduates included in the independent applicant group. Approximately 30 percent of U.S. allopathic medical school seniors do not take the USMLE Step 2 prior to the Match.

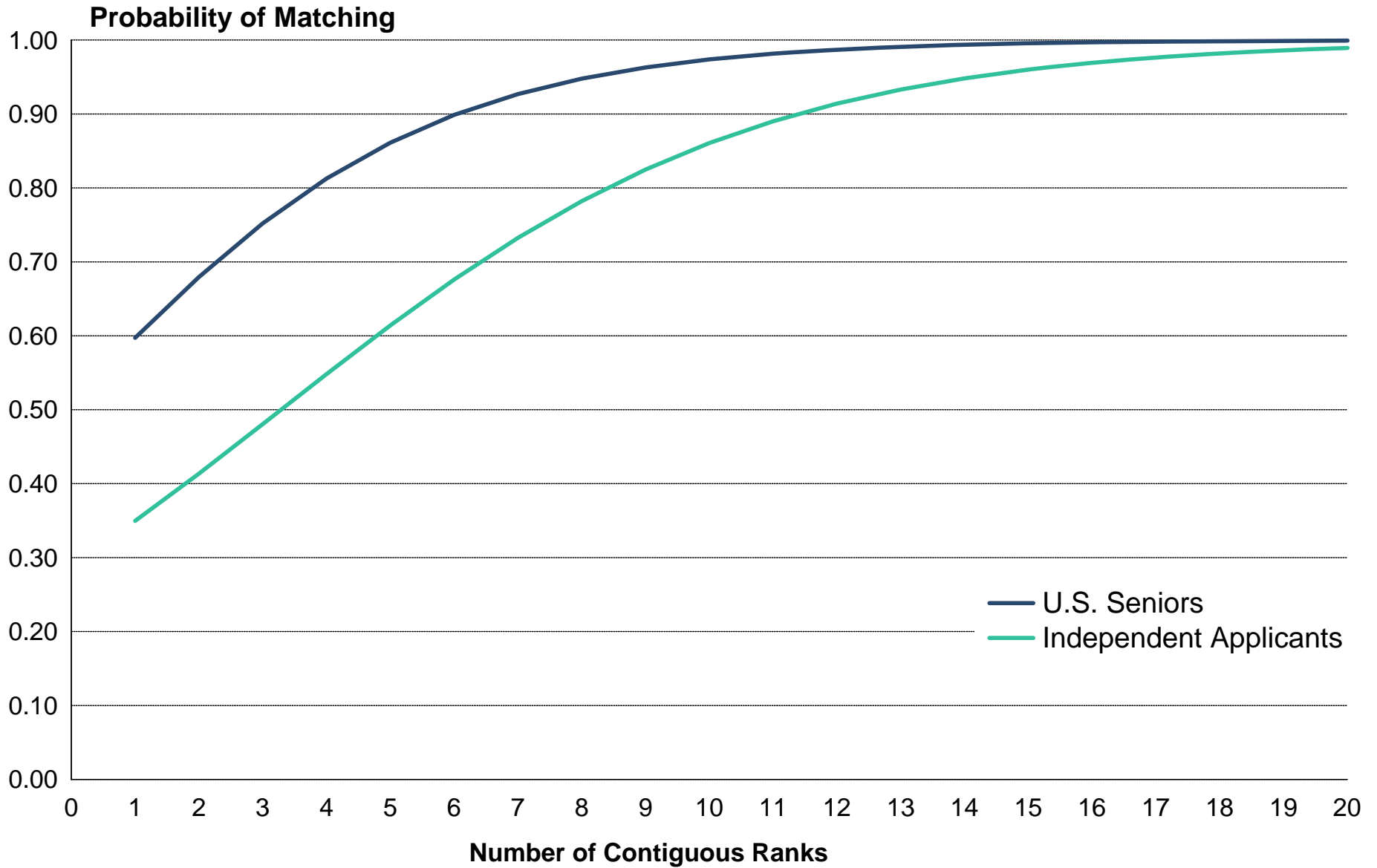
**Number of Contiguous Ranks Within Preferred Specialty  
Emergency Medicine**



Source: NRMP Data Warehouse

# Probability of Matching to Preferred Specialty by Number of Contiguous Ranks

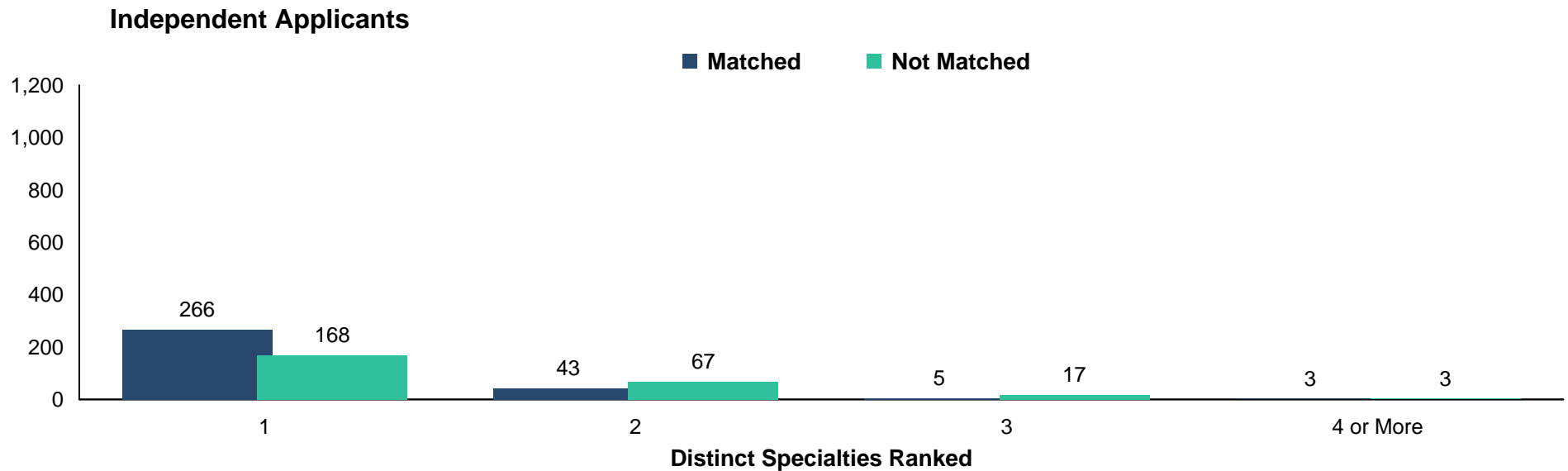
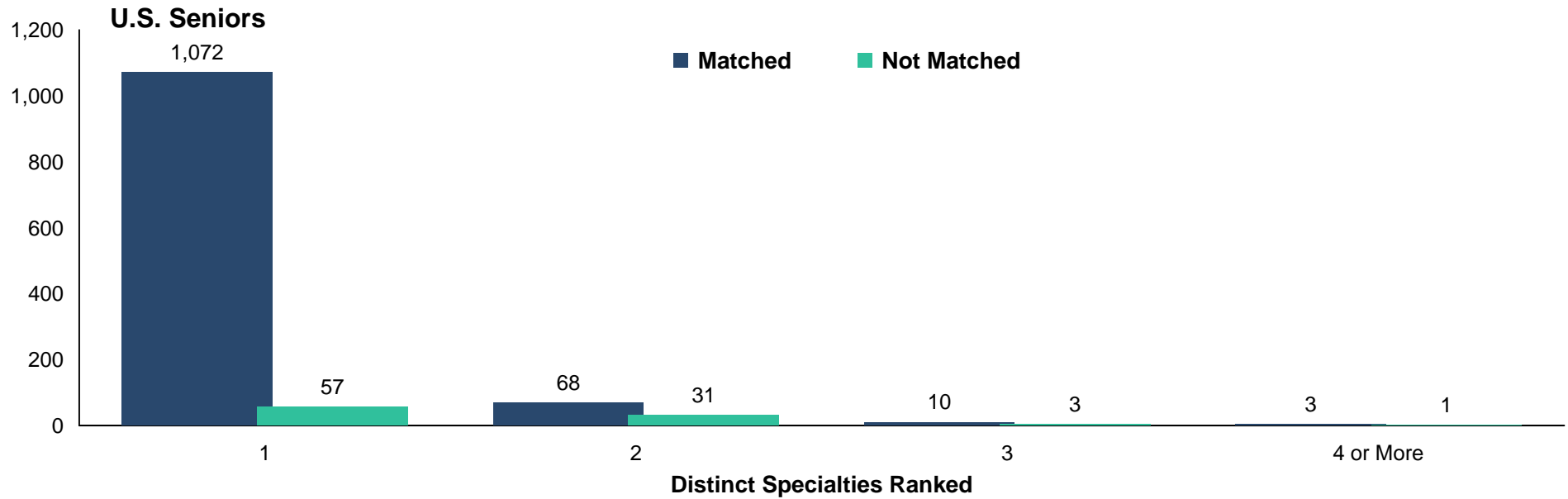
## Emergency Medicine



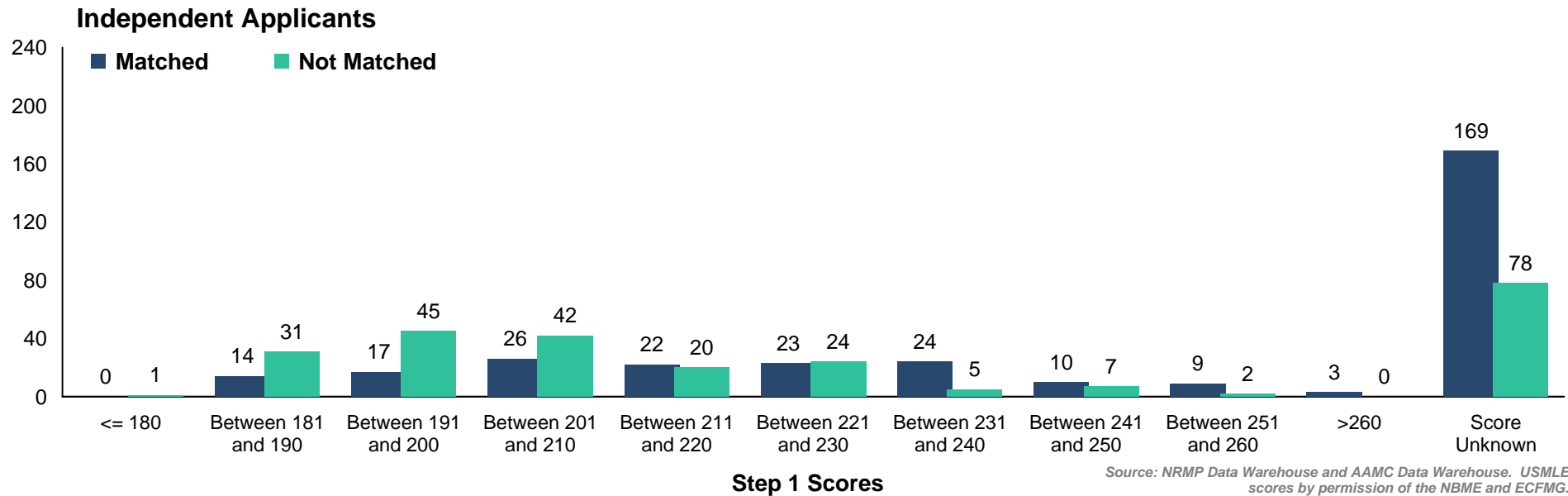
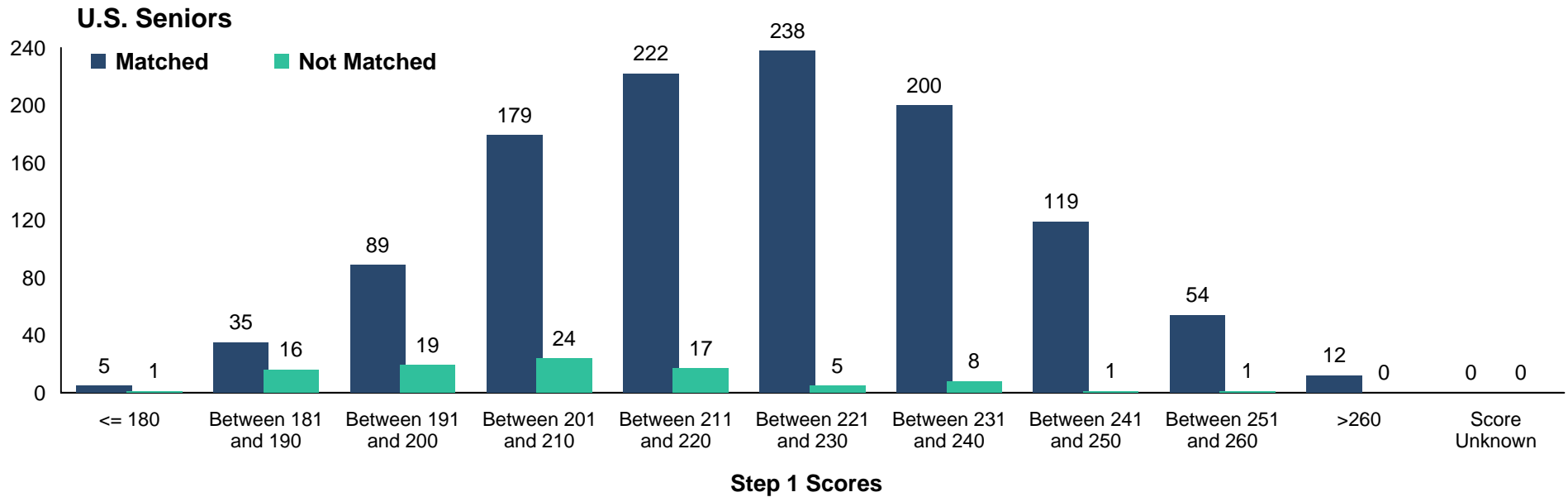
Source: NRMP Data Warehouse. Note: Probabilities calculated based on 2007-2009 applicants.



**Number of Distinct Specialties Ranked**  
*Emergency Medicine*



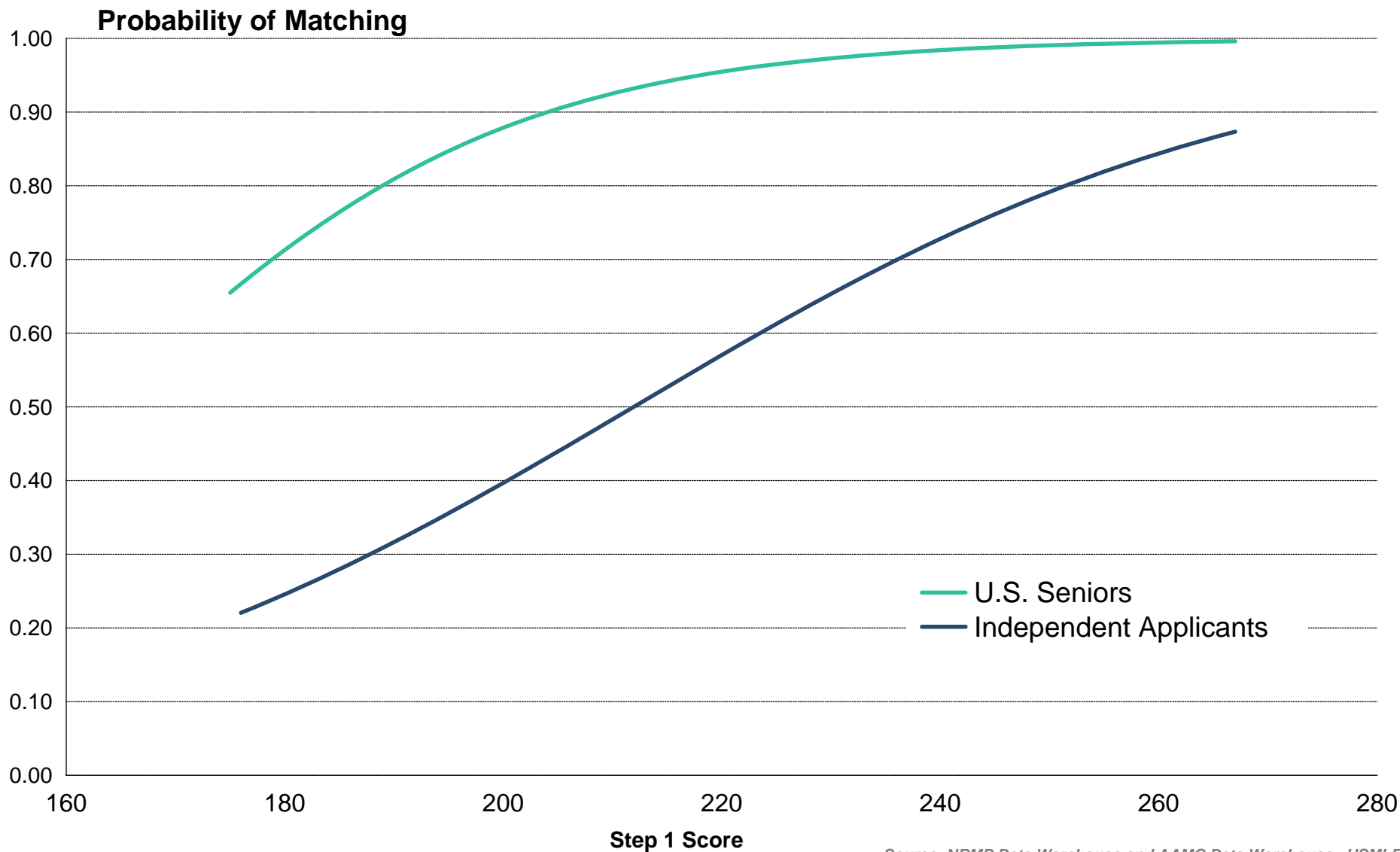
Source: NRMP Data Warehouse



Source: NRMP Data Warehouse and AAMC Data Warehouse. USMLE scores by permission of the NBME and ECFMG.

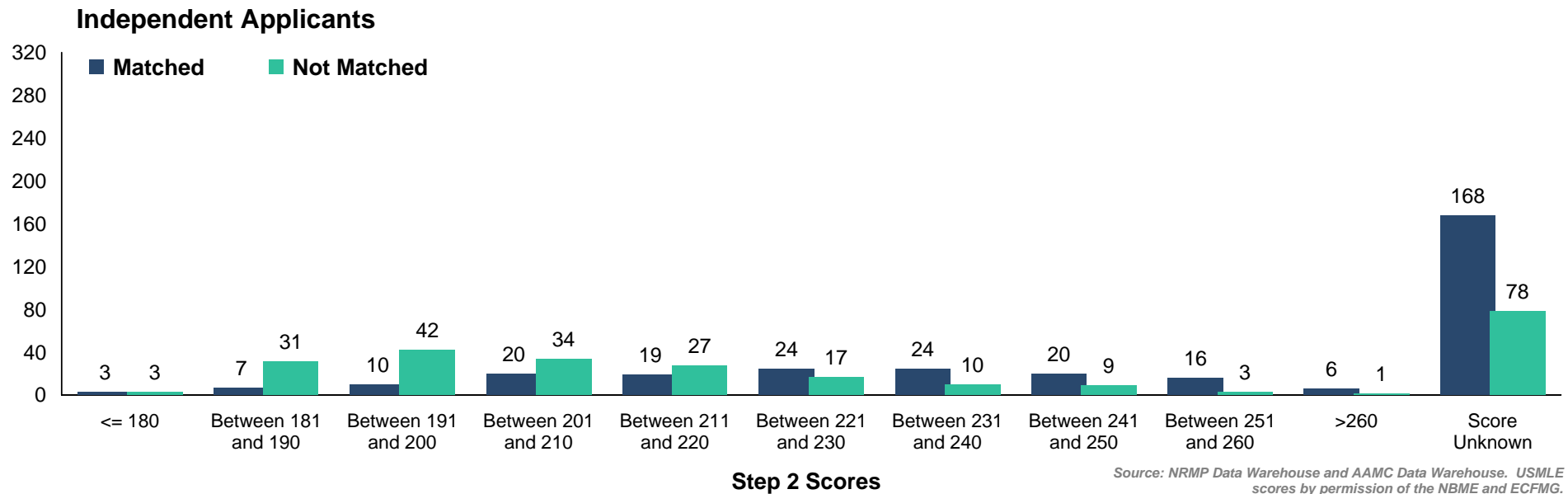
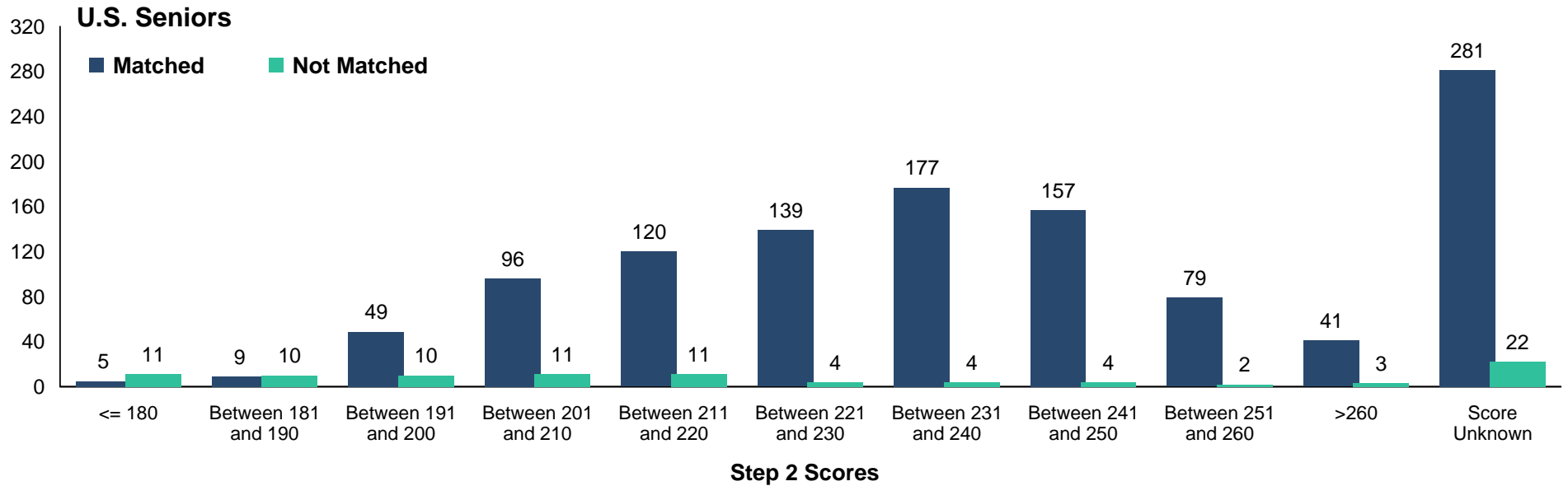
# Probability of Matching to Preferred Specialty by USMLE Step 1 Score

## Emergency Medicine



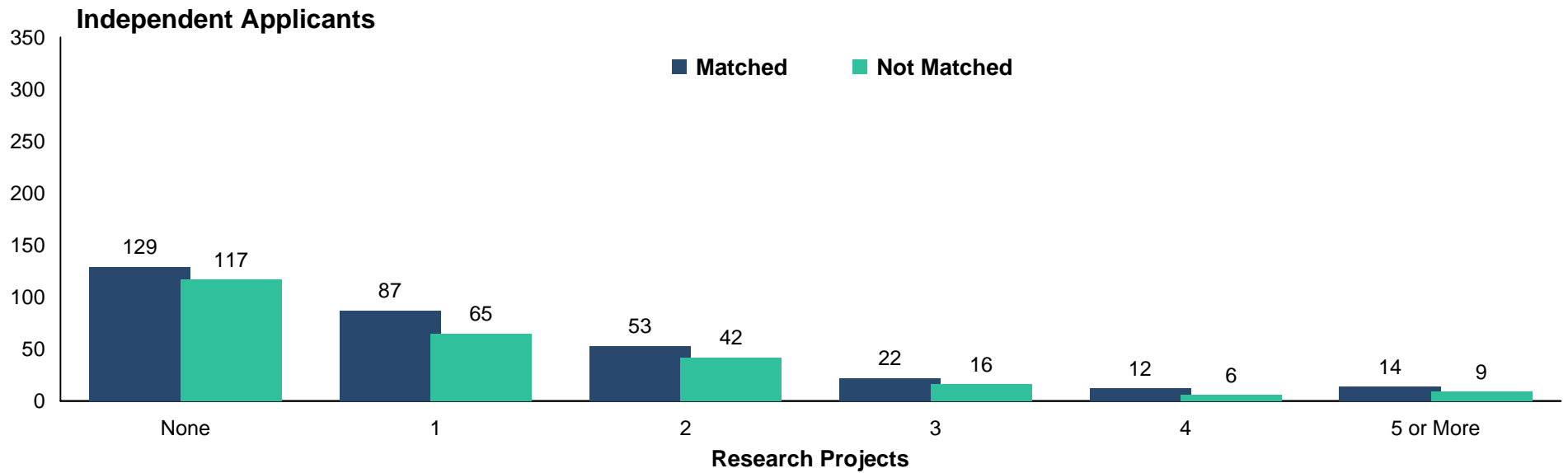
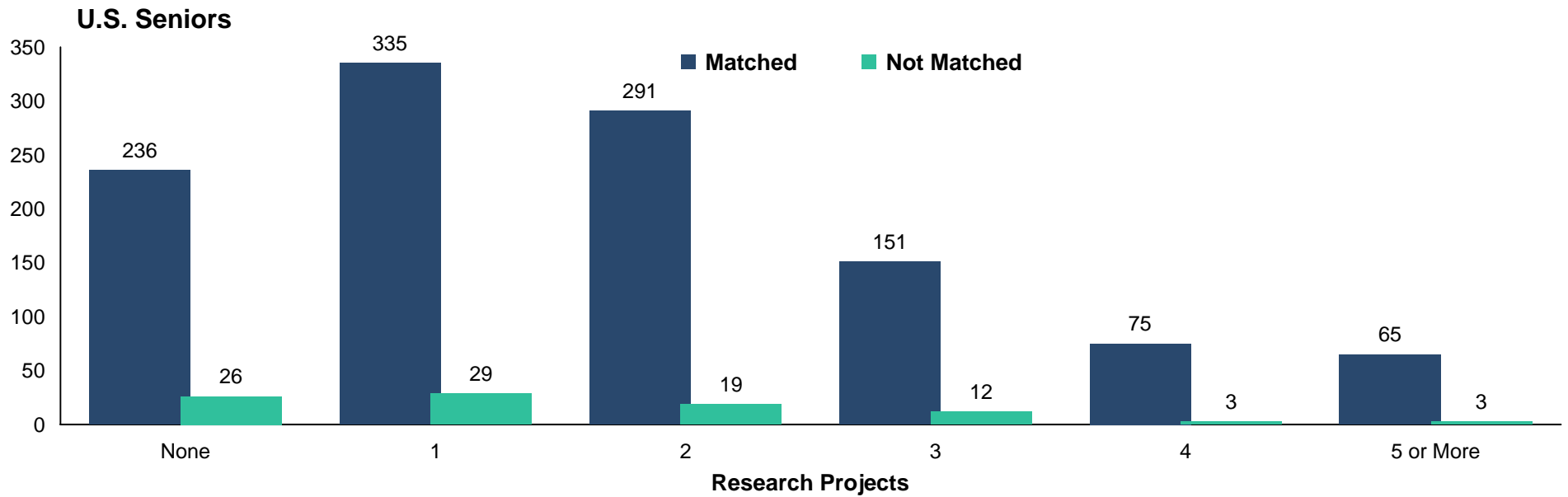
Source: NRMP Data Warehouse and AAMC Data Warehouse. USMLE scores by permission of the NBME and ECFMG. Note: Probabilities calculated based on 2007-2009 applicants.

**USMLE Step 2 Scores  
Emergency Medicine**



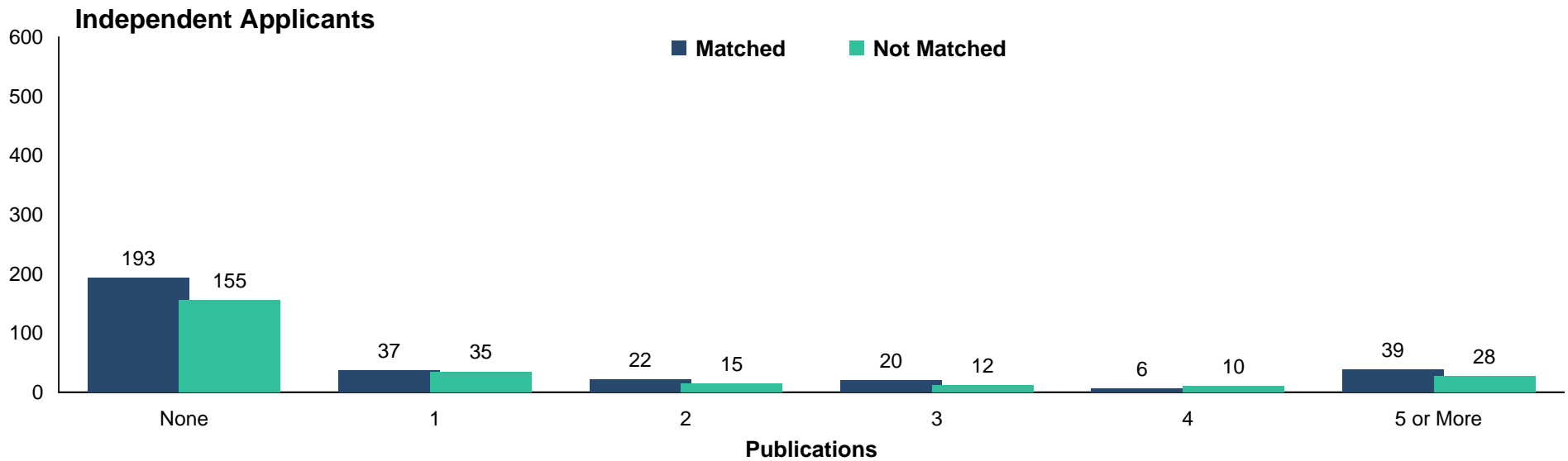
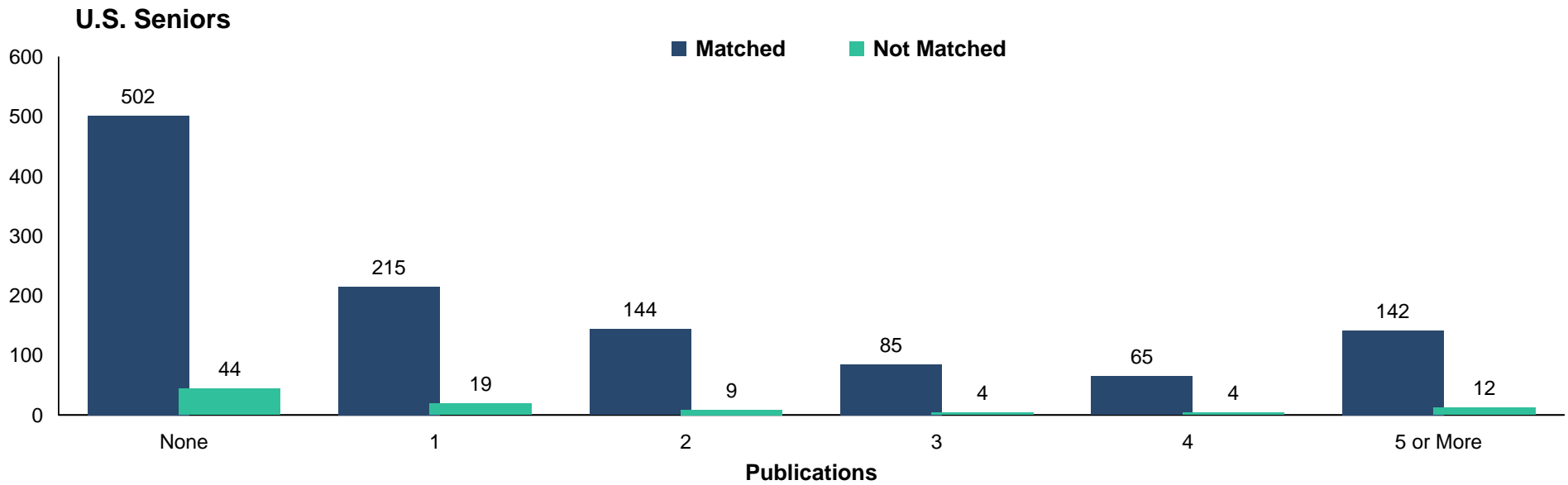
Source: NRMP Data Warehouse and AAMC Data Warehouse. USMLE scores by permission of the NBME and ECFMG.

**Number of Research Projects  
Emergency Medicine**



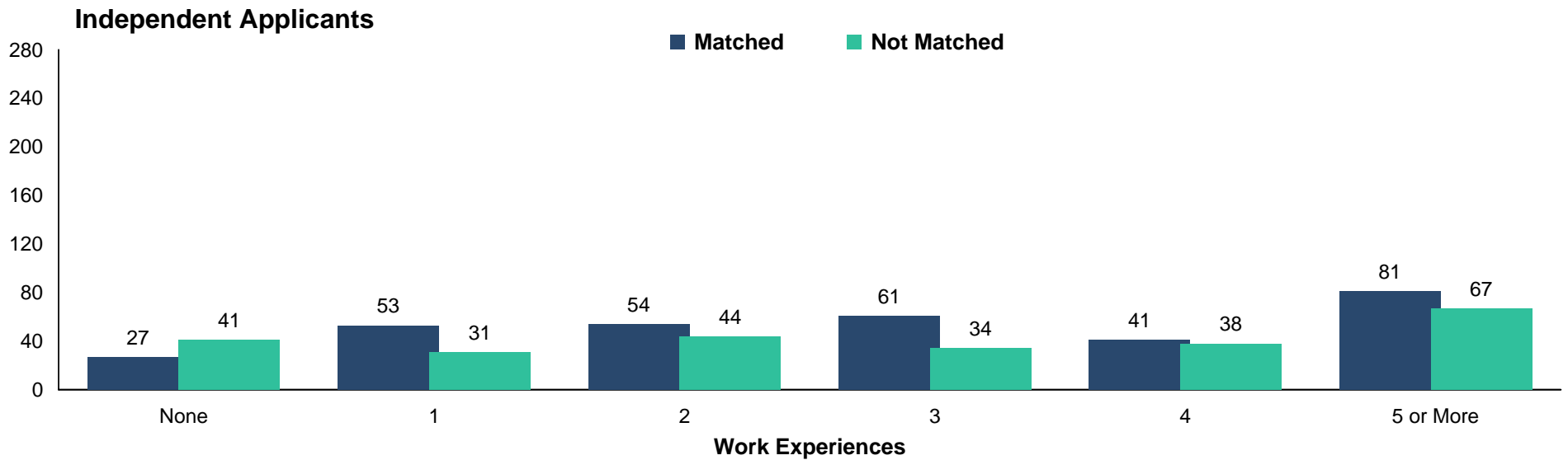
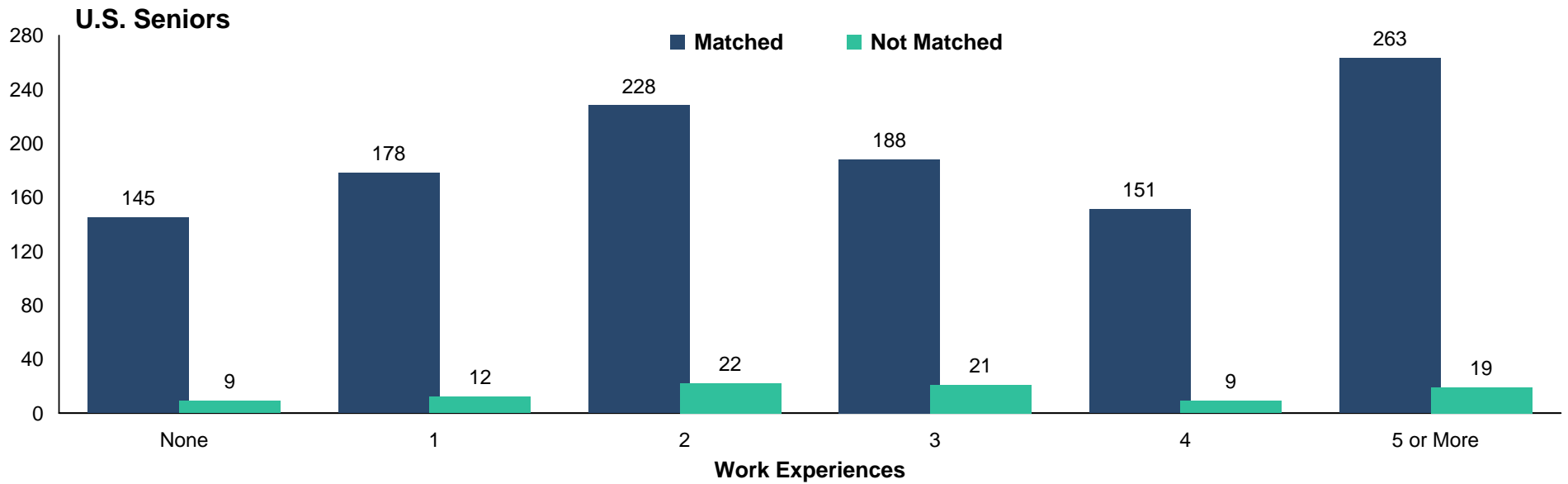
Source: NRMP Data Warehouse and AAMC Data Warehouse

**Number of Abstracts, Presentations, and Publications  
Emergency Medicine**



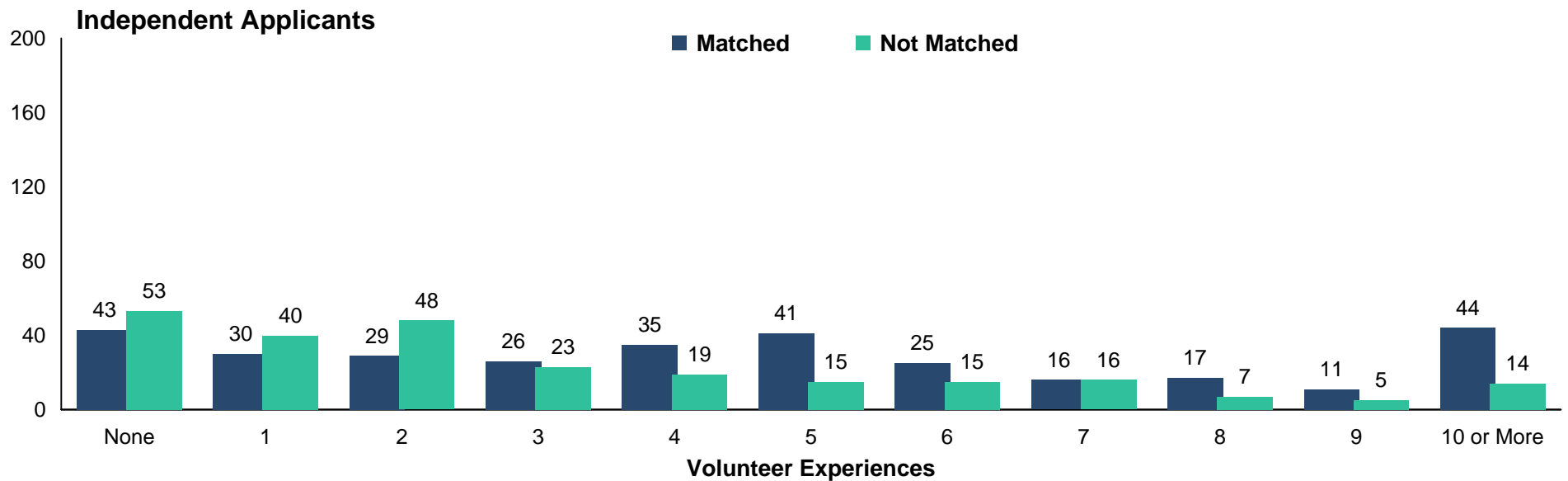
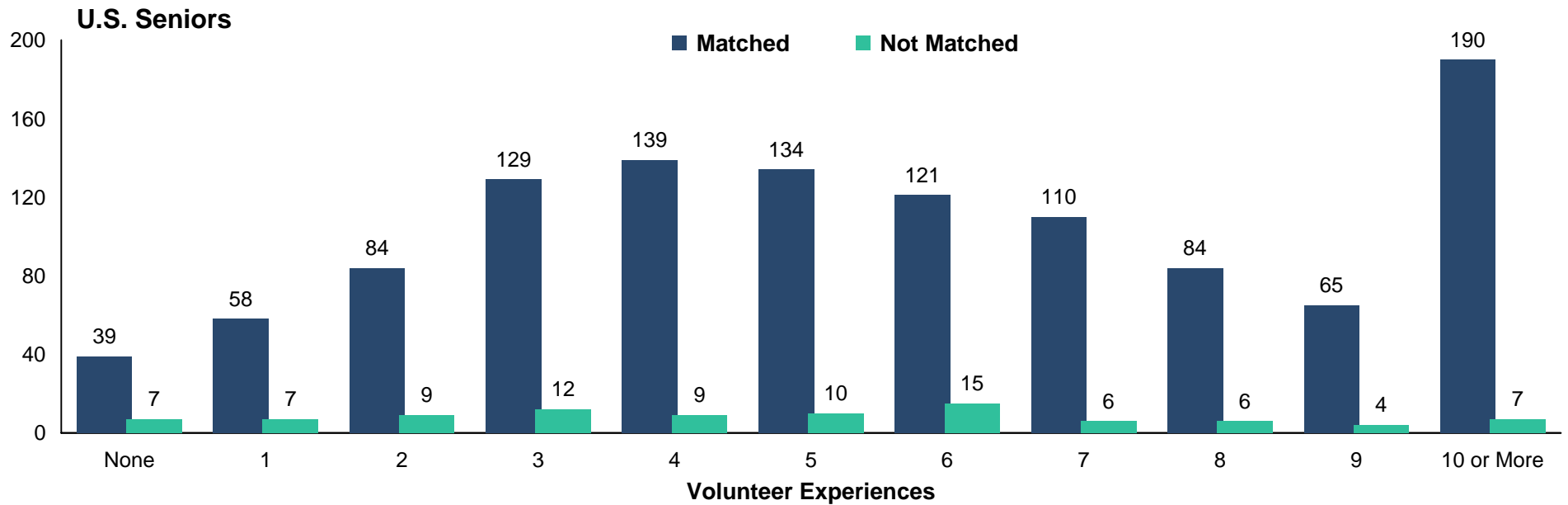
Source: NRMP Data Warehouse and AAMC Data Warehouse

**Number of Work Experiences**  
*Emergency Medicine*



Source: NRMP Data Warehouse and AAMC Data Warehouse

**Number of Volunteer Experiences**  
*Emergency Medicine*

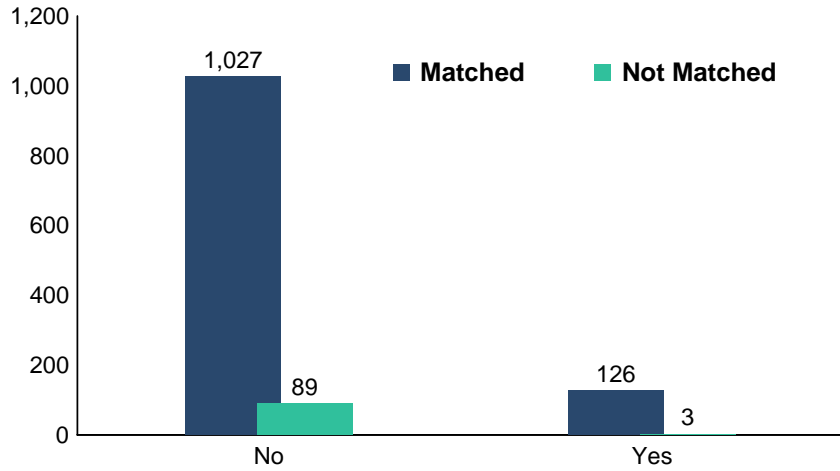


Source: NRMP Data Warehouse and AAMC Data Warehouse.

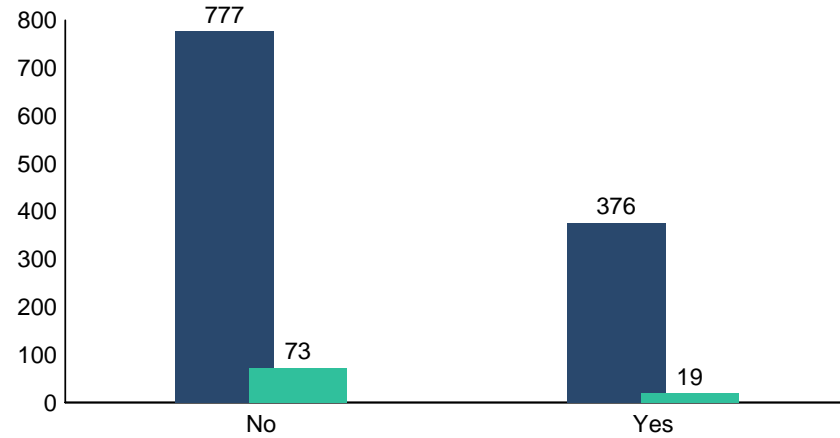


**Other Characteristics of U.S. Seniors  
*Emergency Medicine***

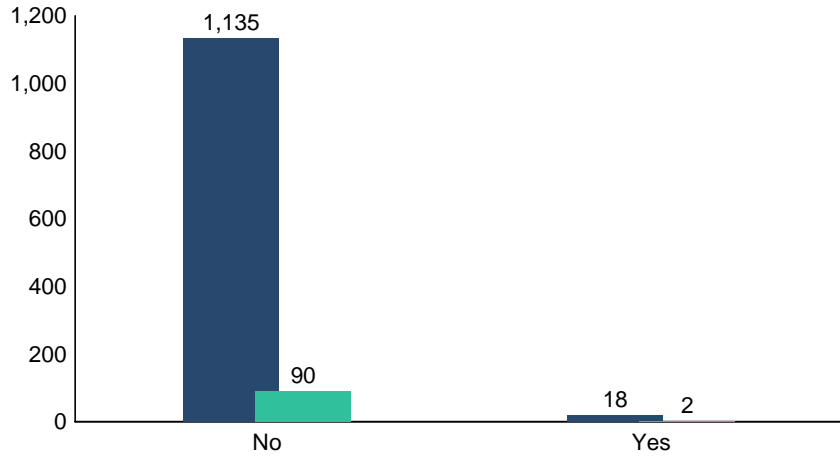
**AOA Membership**



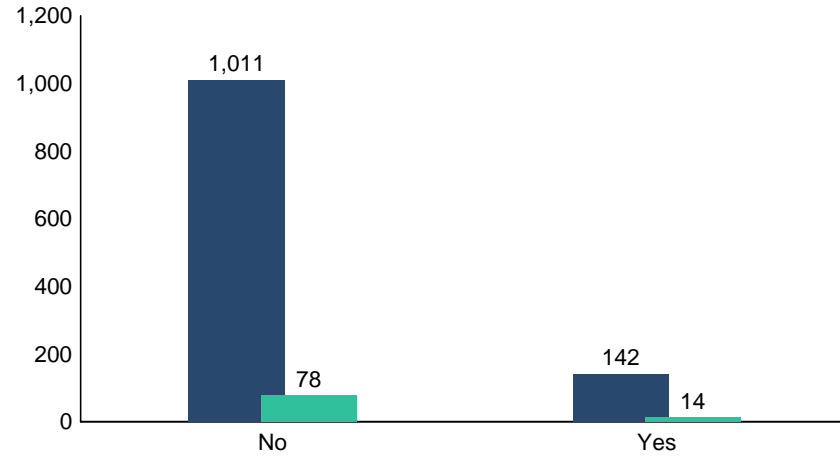
**Graduate of One of the 40 U.S. Medical Schools with the Highest NIH Funding**



**Ph.D. Degree**



**Other Graduate Degree**



Sources: AOA membership from the AAMC Data Warehouse, NIH awards from <http://report.nih.gov/award/trends/AggregateData.cfm> Medical Schools Only.xls, Ph.D. and other graduate degrees from the AAMC Data Warehouse

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**FM** Family Medicine

**Table** **Summary Statistics**  
**FM-1** *Family Medicine*

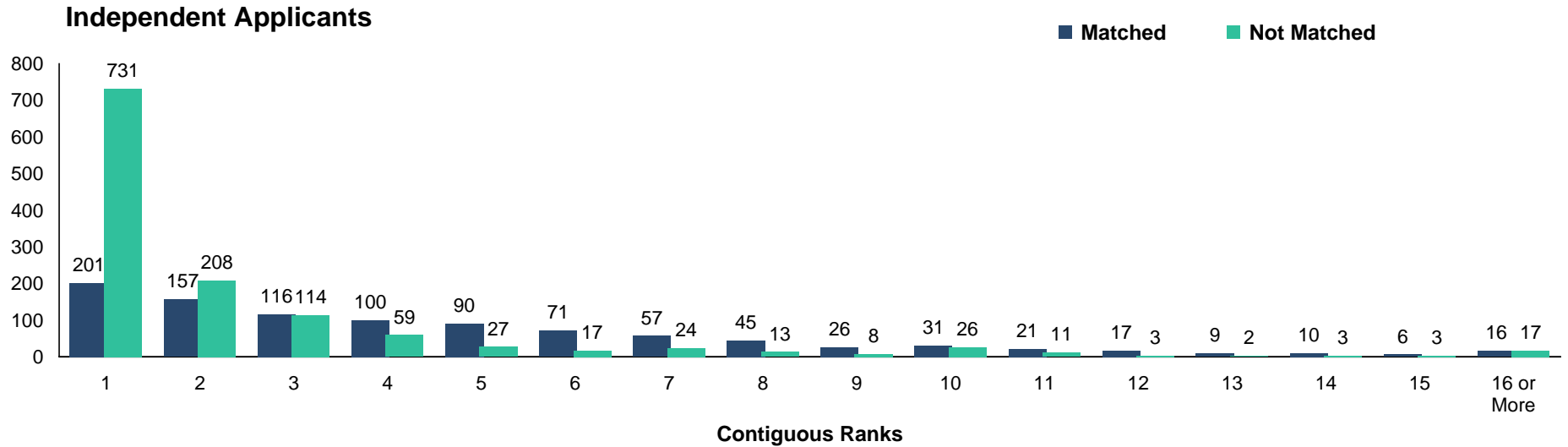
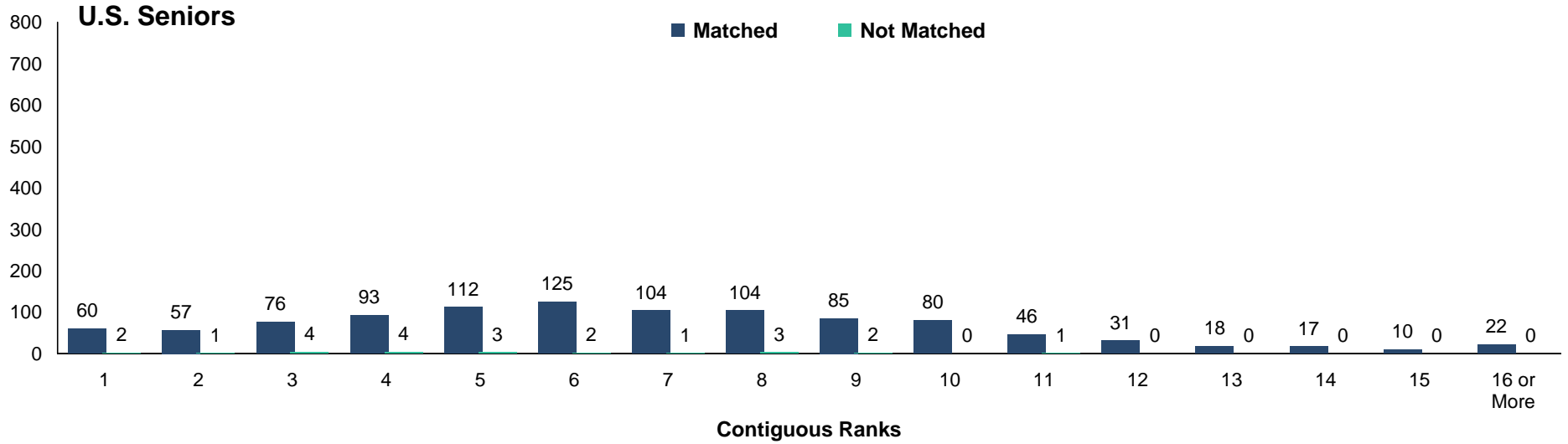
Measure	U.S. Seniors		Independent Applicants	
	Matched (n=1,040)	Unmatched (n=23)	Matched (n=973)	Unmatched (n=1,266)
1. Mean number of contiguous ranks	6.8	5.2	4.6	2.5
2. Mean number of distinct specialties ranked	1.1	1.1	1.3	1.5
3. Mean USMLE Step 1 score	214	196	201	197
4. Mean USMLE Step 2 score	223	180	205	199
5. Mean number of research experiences	1.3	1.8	1.0	0.9
6. Mean number of abstracts, presentations, and publications	1.4	1.9	1.4	1.5
7. Mean number of work experiences	3.0	3.1	3.7	4.1
8. Mean number of volunteer experiences	6.8	6.7	3.5	2.3
9. Percentage who are AOA members	5.5	0.0	n/a	n/a
10. Percentage who graduated from one of the 40 U.S. medical schools with the highest NIH funding	28.9	17.4	n/a	n/a
11. Percentage who have Ph.D. degree	1.0	0.0	n/a	n/a
12. Percentage who have another graduate degree	12.1	21.7	n/a	n/a

n/a: The measure either does not apply to, applies to only a small percentage of, or no reliable data were available for independent applicants.

Sources. Measures 1, 2, and match outcome are from the NRMP Data Warehouse; measures 3 and 4 are from the AAMC Data Warehouse and from the ECFMG, both by permission of the NBME and ECFMG; measures 5-9 are from the AAMC Data Warehouse; measure 10 is from the NIH website (<http://report.nih.gov/award/trends/AggregateDate.cfm> Medical Schools Only.xls); and measures 11 and 12 are from the AAMC Data Warehouse.

Note: USMLE Step 1 scores are not available for most osteopathic medical school graduates included in the independent applicant group. Approximately 30 percent of U.S. allopathic medical school seniors do not take the USMLE Step 2 prior to the Match.

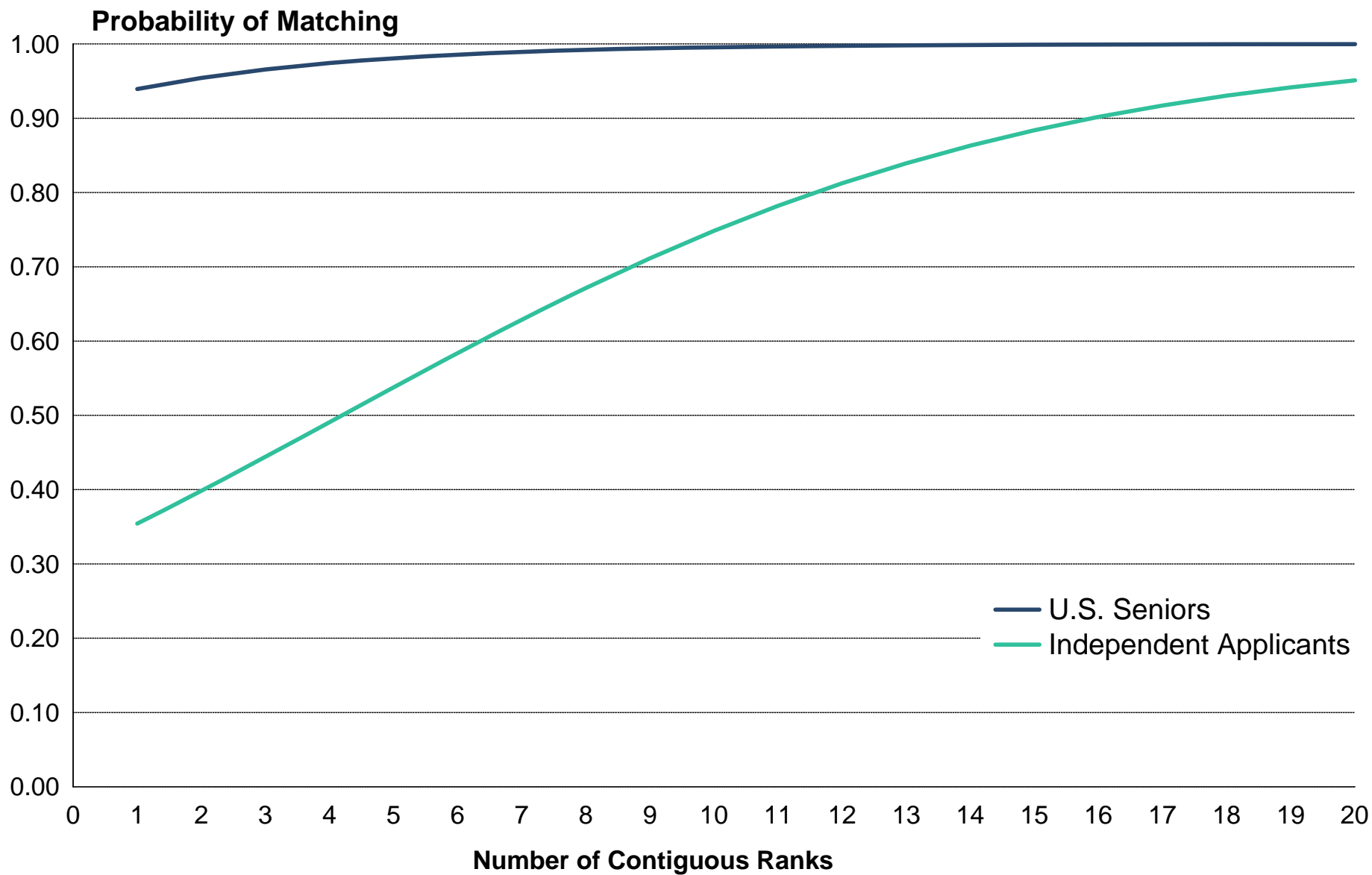
**Number of Contiguous Ranks Within Preferred Specialty  
Family Medicine**



Source: NRMP Data Warehouse

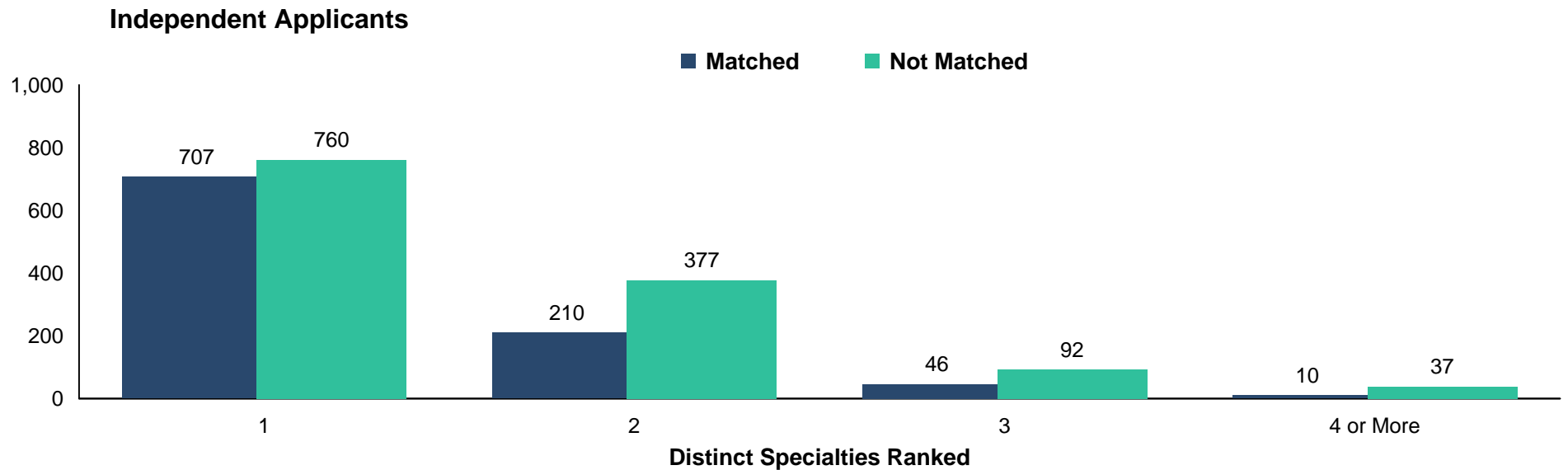
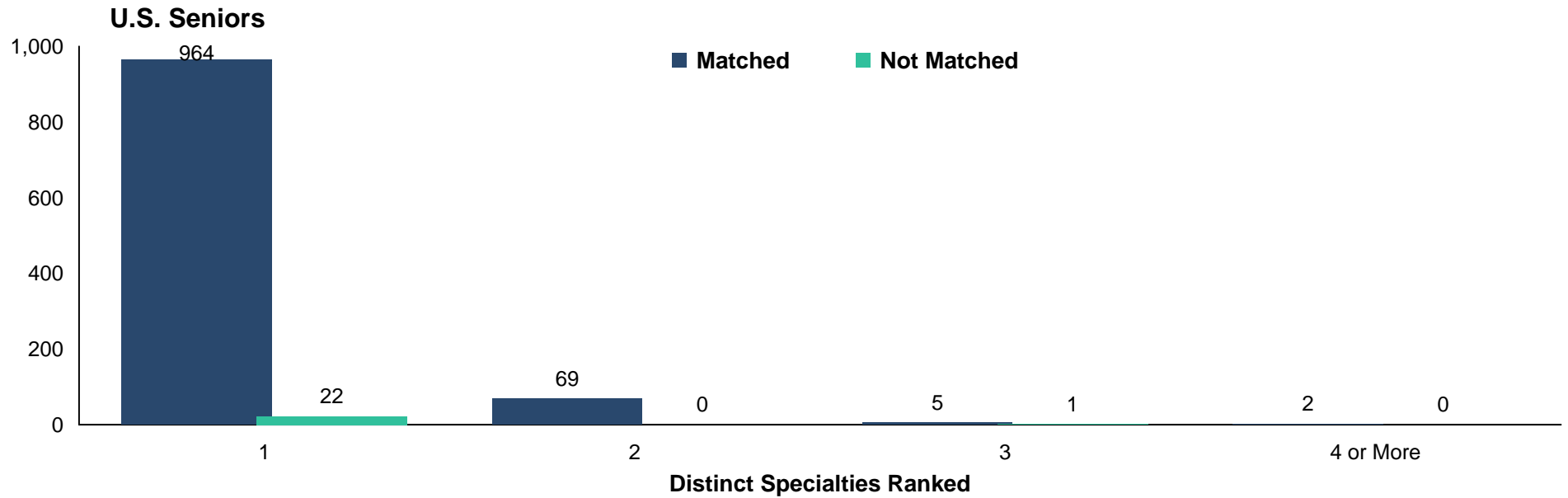
# Probability of Matching to Preferred Specialty by Number of Contiguous Ranks

## Family Medicine

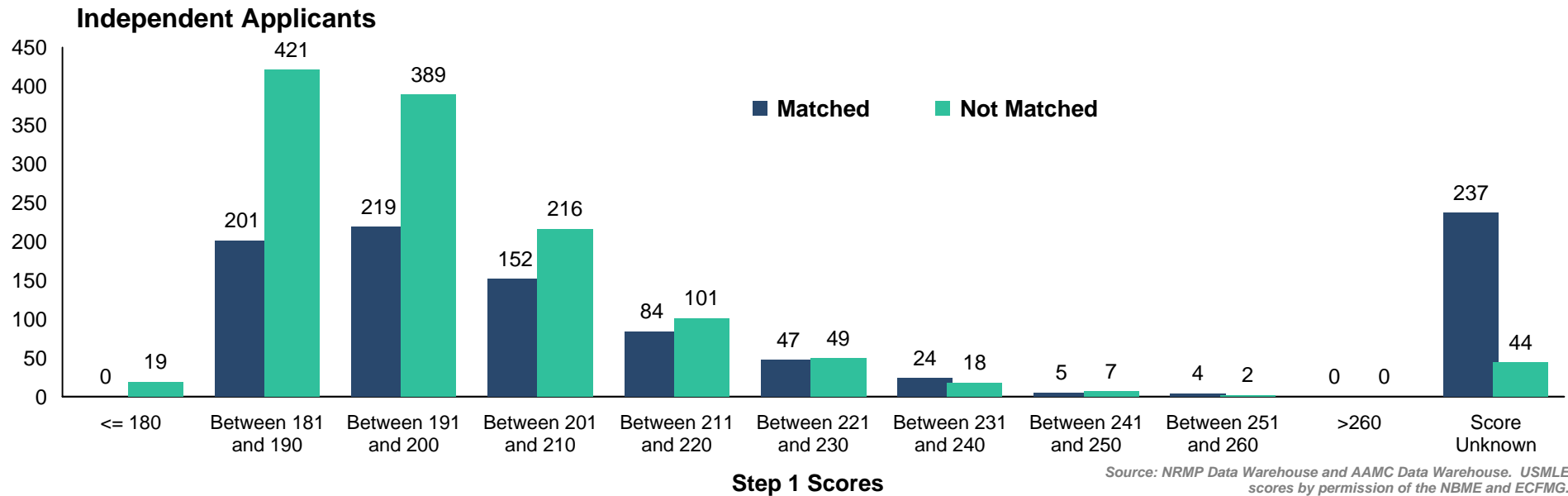
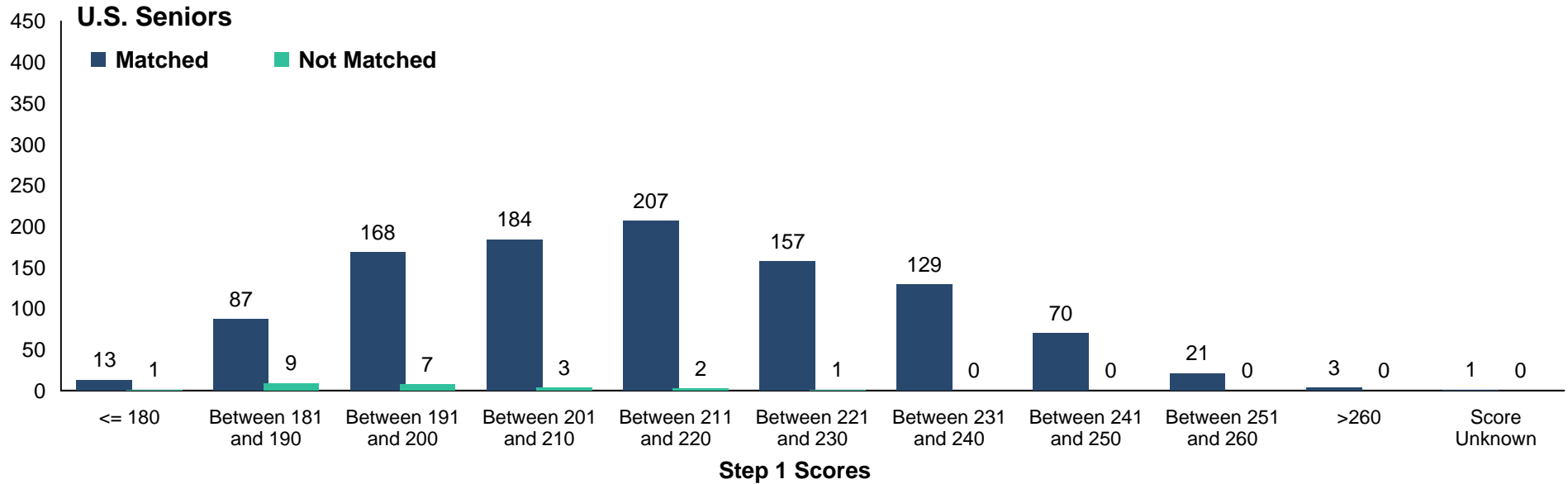


Source: NRMP Data Warehouse. Note: Probabilities calculated based on 2007-2009 applicants.

**Number of Distinct Specialties Ranked**  
*Family Medicine*



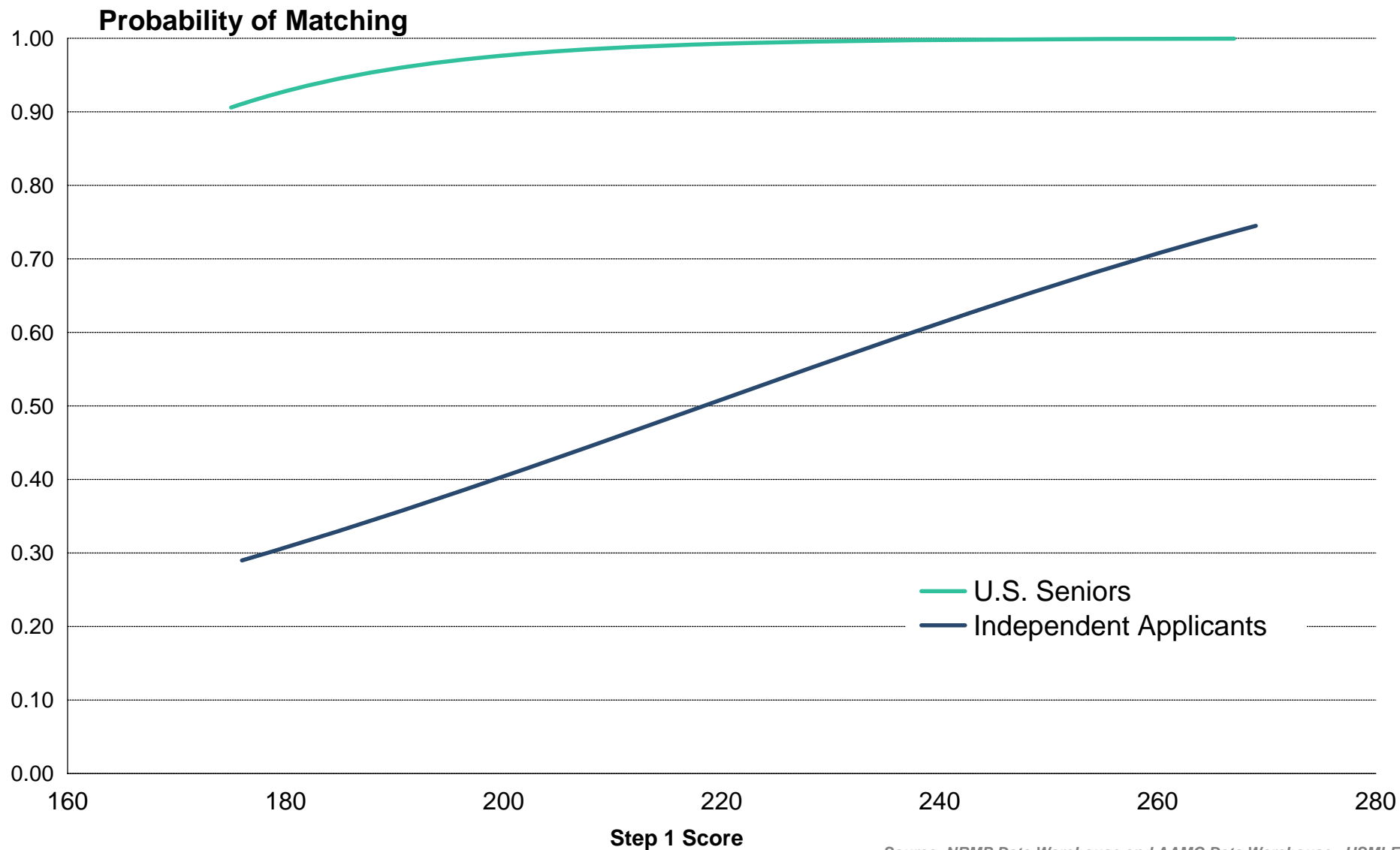
Source: NRMP Data Warehouse



Source: NRMP Data Warehouse and AAMC Data Warehouse. USMLE scores by permission of the NBME and ECFMG.

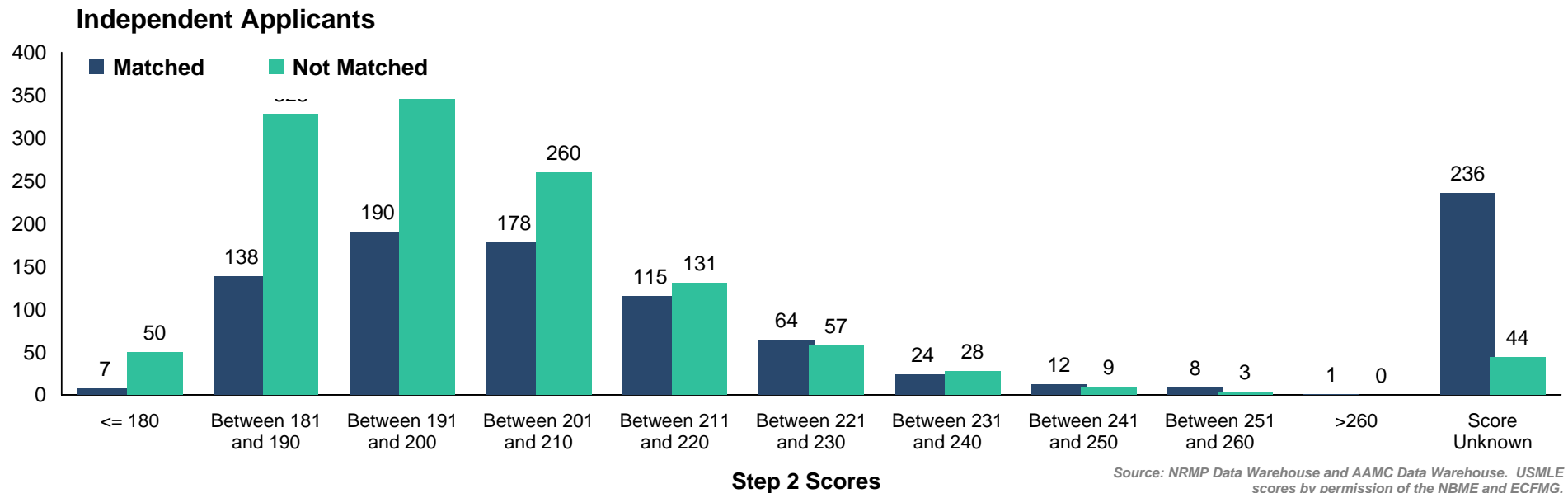
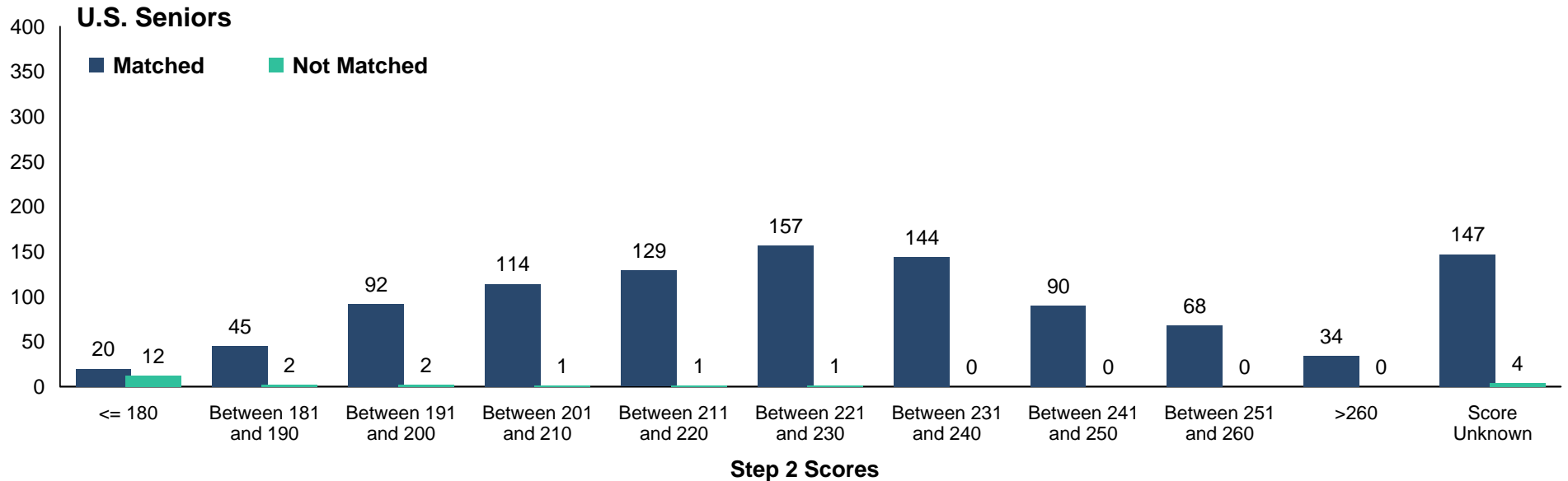
# Probability of Matching to Preferred Specialty by USMLE Step 1 Score

## Family Medicine



Source: NRMP Data Warehouse and AAMC Data Warehouse. USMLE scores by permission of the NBME and ECFMG. Note: Probabilities calculated based on 2007-2009 applicants.

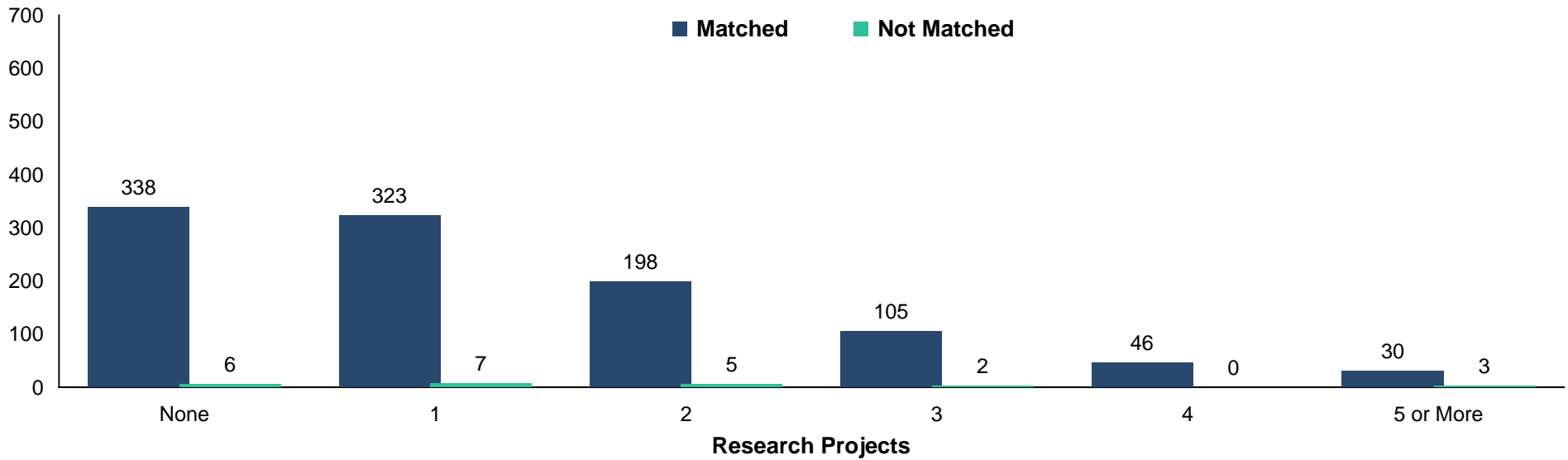




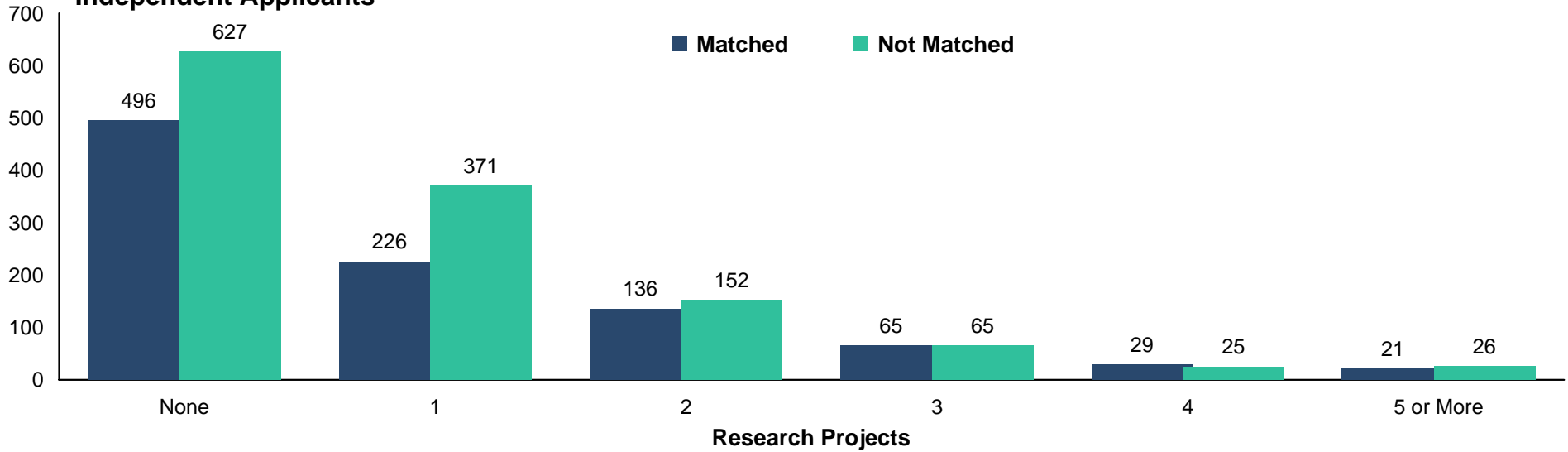
Source: NRMP Data Warehouse and AAMC Data Warehouse. USMLE scores by permission of the NBME and ECFMG.

**Number of Research Projects  
Family Medicine**

**U.S. Seniors**

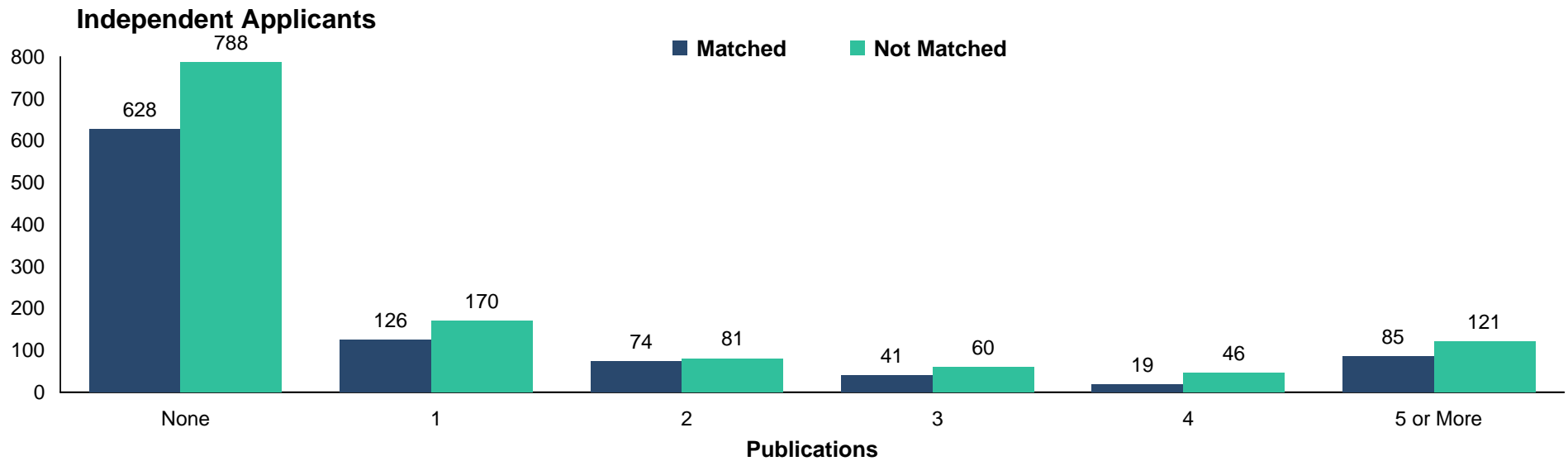
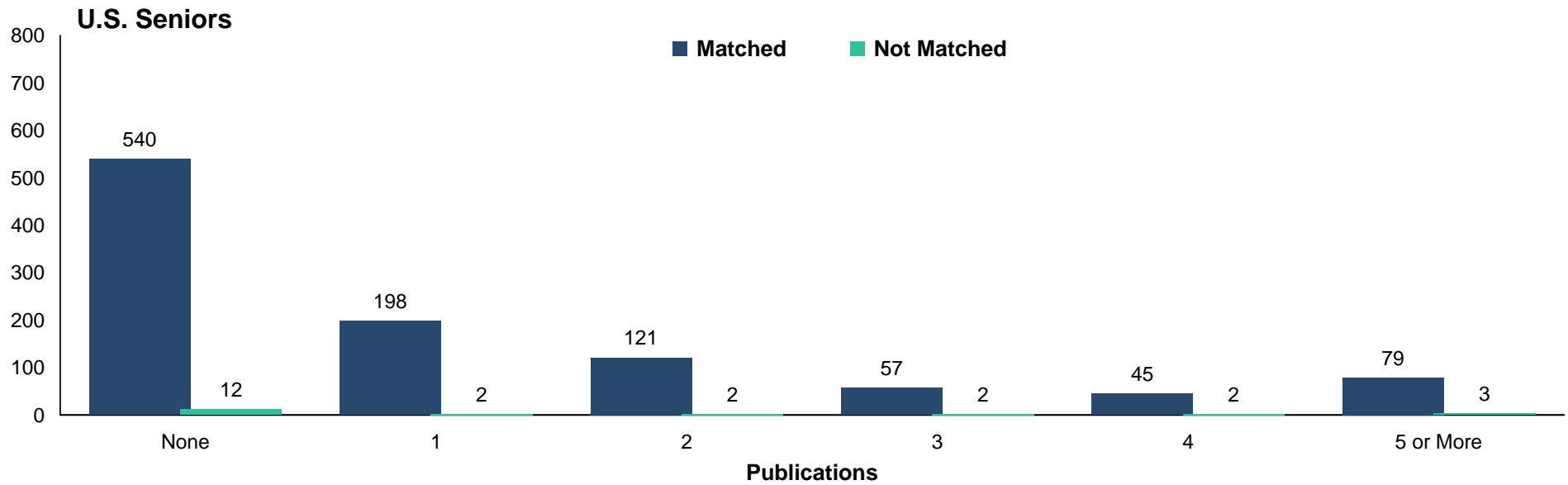


**Independent Applicants**



Source: NRMP Data Warehouse and AAMC Data Warehouse

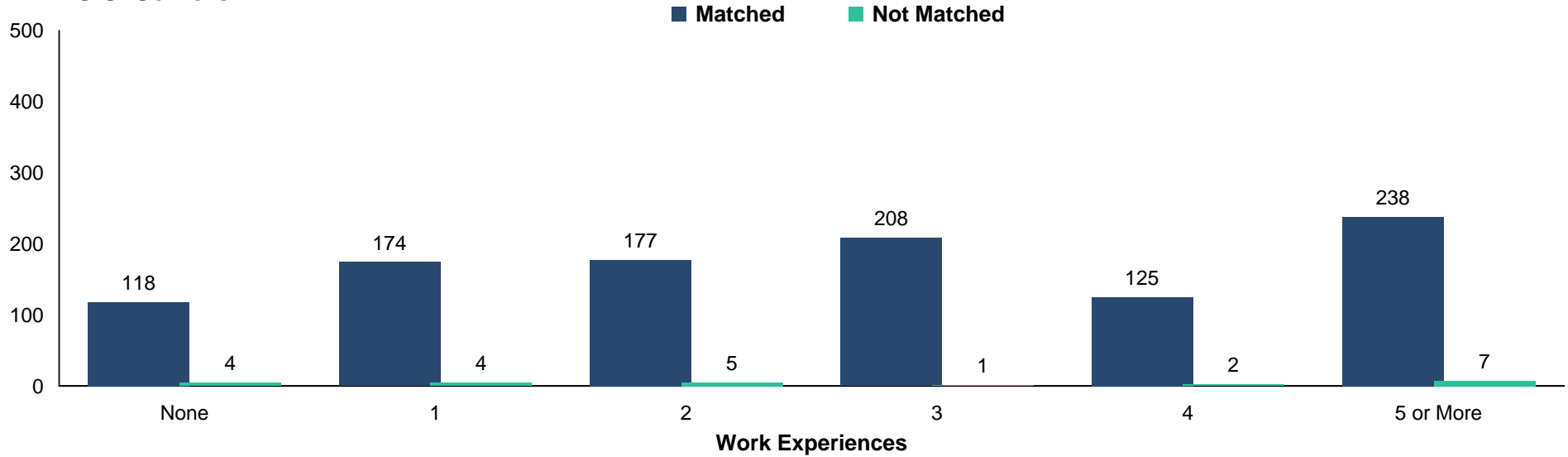
**Number of Abstracts, Presentations, and Publications  
Family Medicine**



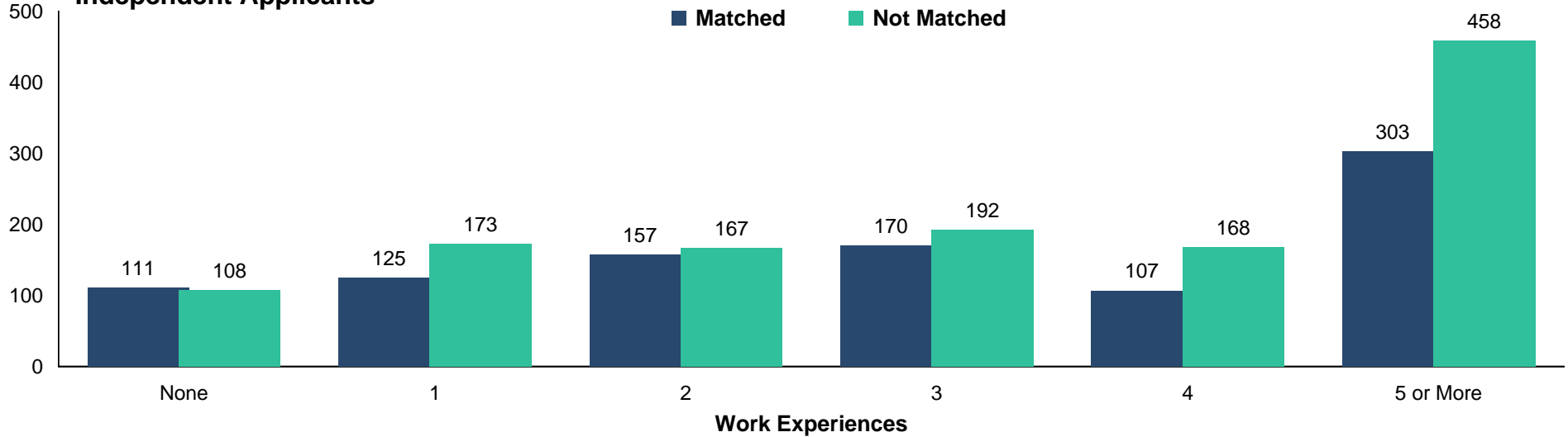
Source: NRMP Data Warehouse and AAMC Data Warehouse

**Number of Work Experiences  
Family Medicine**

**U.S. Seniors**

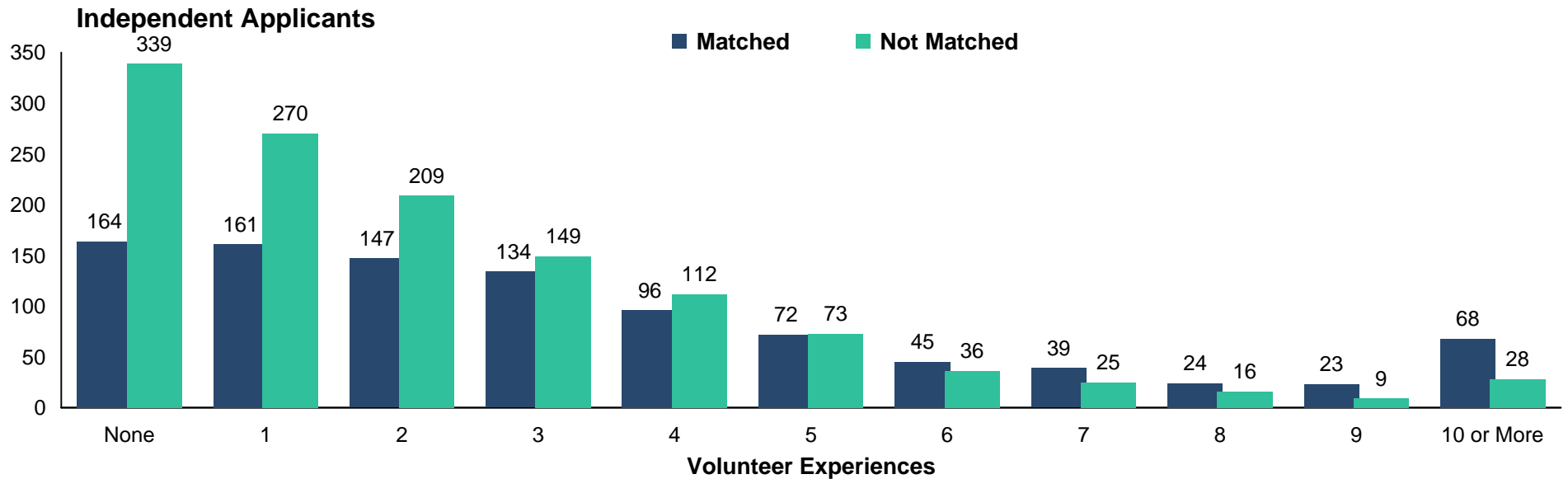
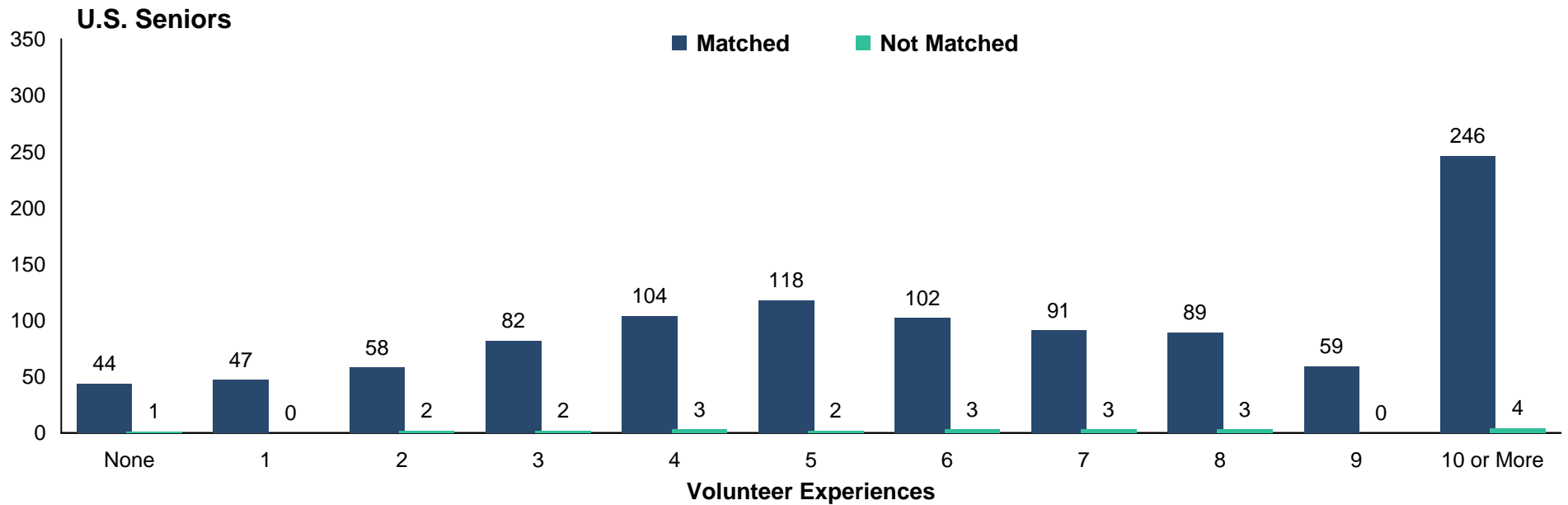


**Independent Applicants**



Source: NRMP Data Warehouse and AAMC Data Warehouse

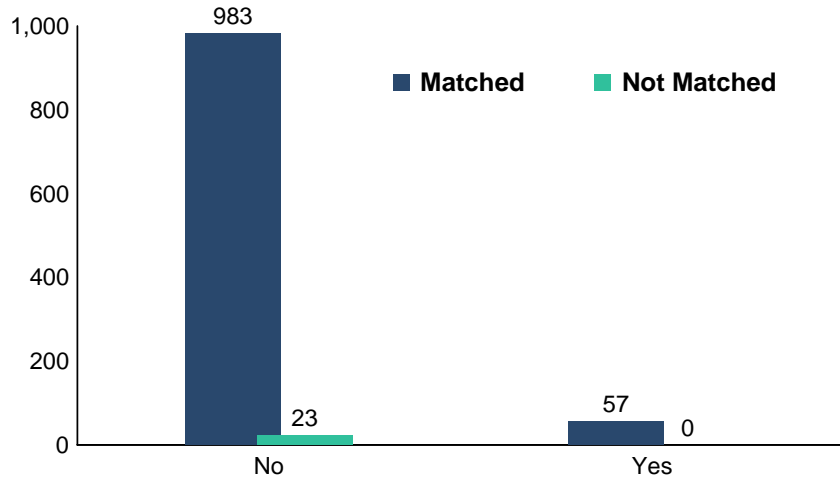
**Number of Volunteer Experiences**  
*Family Medicine*



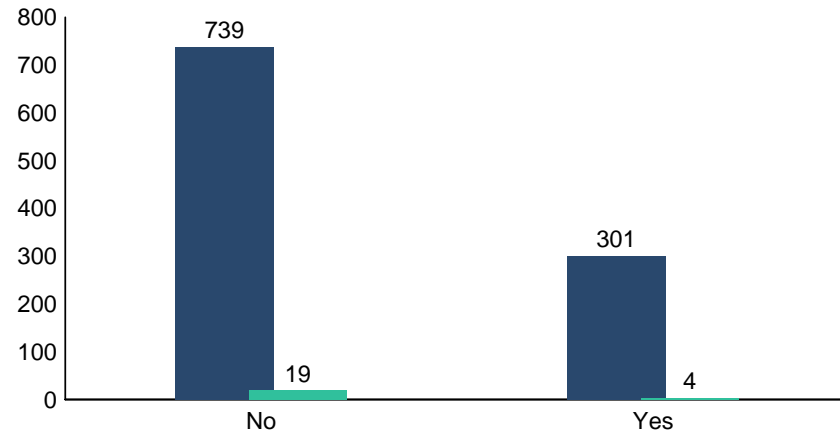
Source: NRMP Data Warehouse and AAMC Data Warehouse.

**Other Characteristics of U.S. Seniors  
Family Medicine**

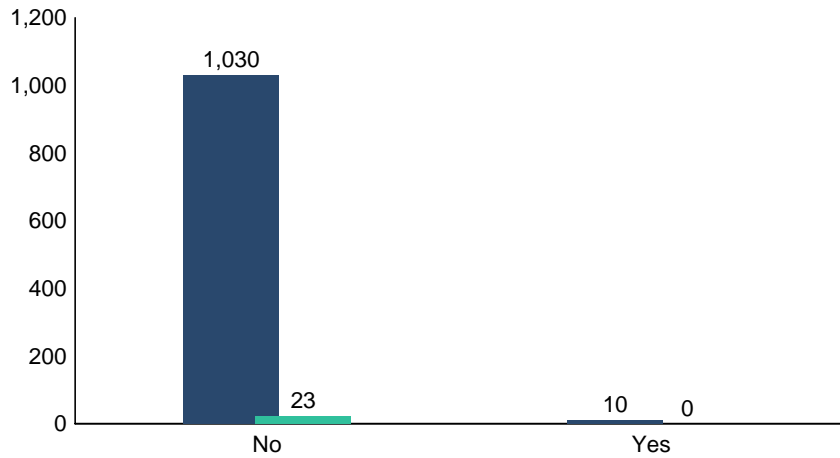
**AOA Membership**



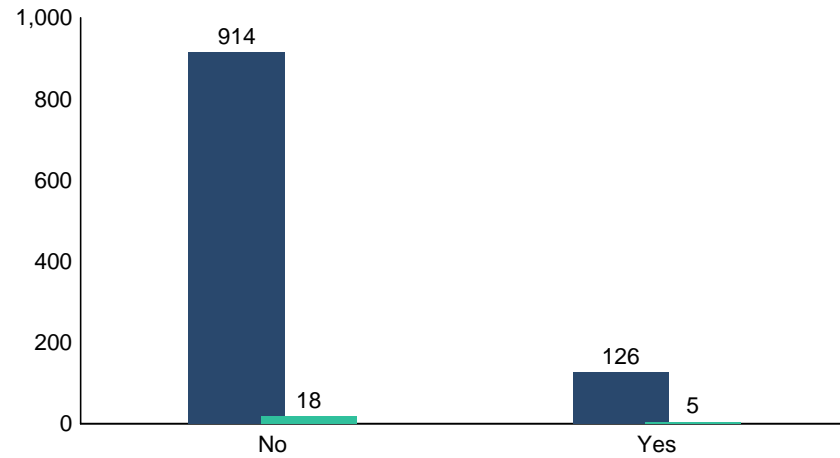
**Graduate of One of the 40 U.S. Medical Schools with the Highest NIH Funding**



**Ph.D. Degree**



**Other Graduate Degree**



Sources. AOA membership from the AAMC Data Warehouse, NIH awards from <http://report.nih.gov/award/trends/AggregateData.cfm> Medical Schools Only.xls, Ph.D. and other graduate degrees from the AAMC Data Warehouse

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**GS** **General Surgery**

Measure	U.S. Seniors		Independent Applicants	
	Matched (n=767)	Unmatched (n=133)	Matched (n=218)	Unmatched (n=512)
1. Mean number of contiguous ranks	10.7	5.7	5.9	2.5
2. Mean number of distinct specialties ranked	1.0	1.1	1.1	1.3
3. Mean USMLE Step 1 score	224	207	223	216
4. Mean USMLE Step 2 score	231	208	227	218
5. Mean number of research experiences	2.2	1.9	1.4	1.6
6. Mean number of abstracts, presentations, and publications	2.7	2.1	3.2	3.9
7. Mean number of work experiences	2.6	2.5	2.8	3.3
8. Mean number of volunteer experiences	6.2	5.2	3.6	2.7
9. Percentage who are AOA members	12.3	1.5	n/a	n/a
10. Percentage who graduated from one of the 40 U.S. medical schools with the highest NIH funding	30.9	17.3	n/a	n/a
11. Percentage who have Ph.D. degree	2.9	2.3	n/a	n/a
12. Percentage who have another graduate degree	9.9	9.0	n/a	n/a

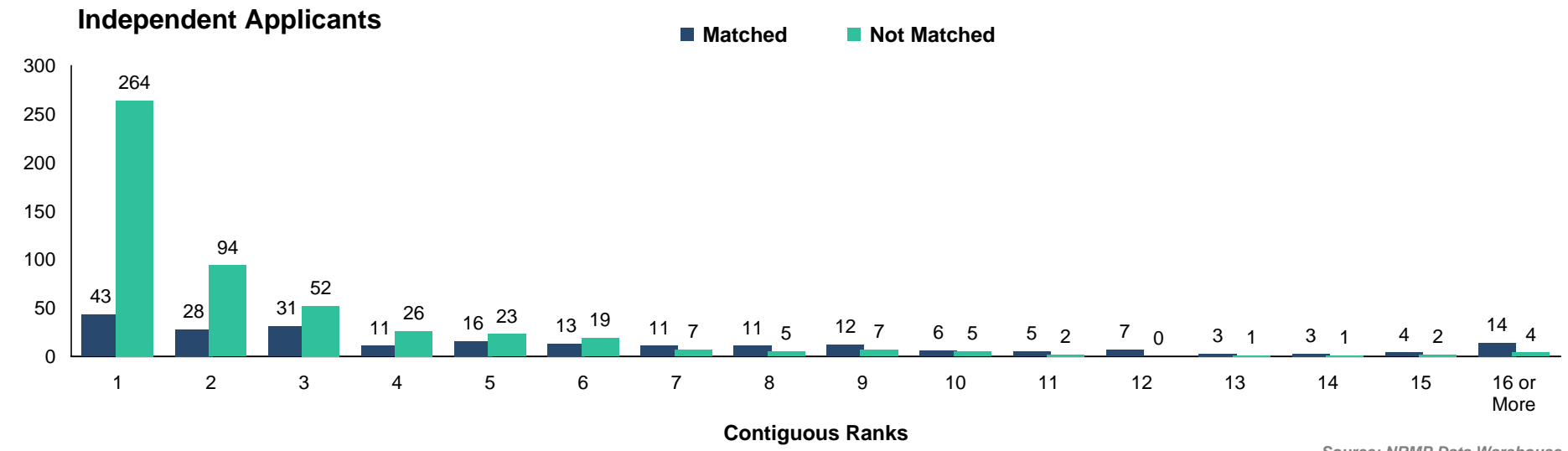
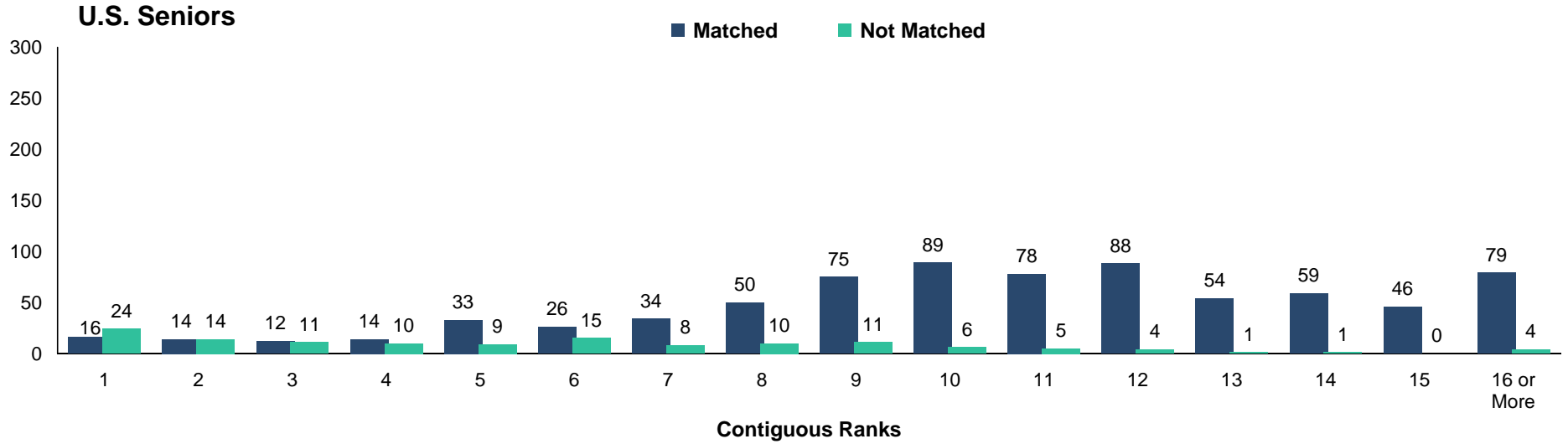
n/a: The measure either does not apply to, applies to only a small percentage of, or no reliable data were available for independent applicants.

Sources. Measures 1, 2, and match outcome are from the NRMP Data Warehouse; measures 3 and 4 are from the AAMC Data Warehouse and from the ECFMG, both by permission of the NBME and ECFMG; measures 5-9 are from the AAMC Data Warehouse; measure 10 is from the NIH website (<http://report.nih.gov/award/trends/AggregateDate.cfm> Medical Schools Only.xls); and measures 11 and 12 are from the AAMC Data Warehouse.

Note: USMLE Step 1 scores are not available for most osteopathic medical school graduates included in the independent applicant group. Approximately 30 percent of U.S. allopathic medical school seniors do not take the USMLE Step 2 prior to the Match.



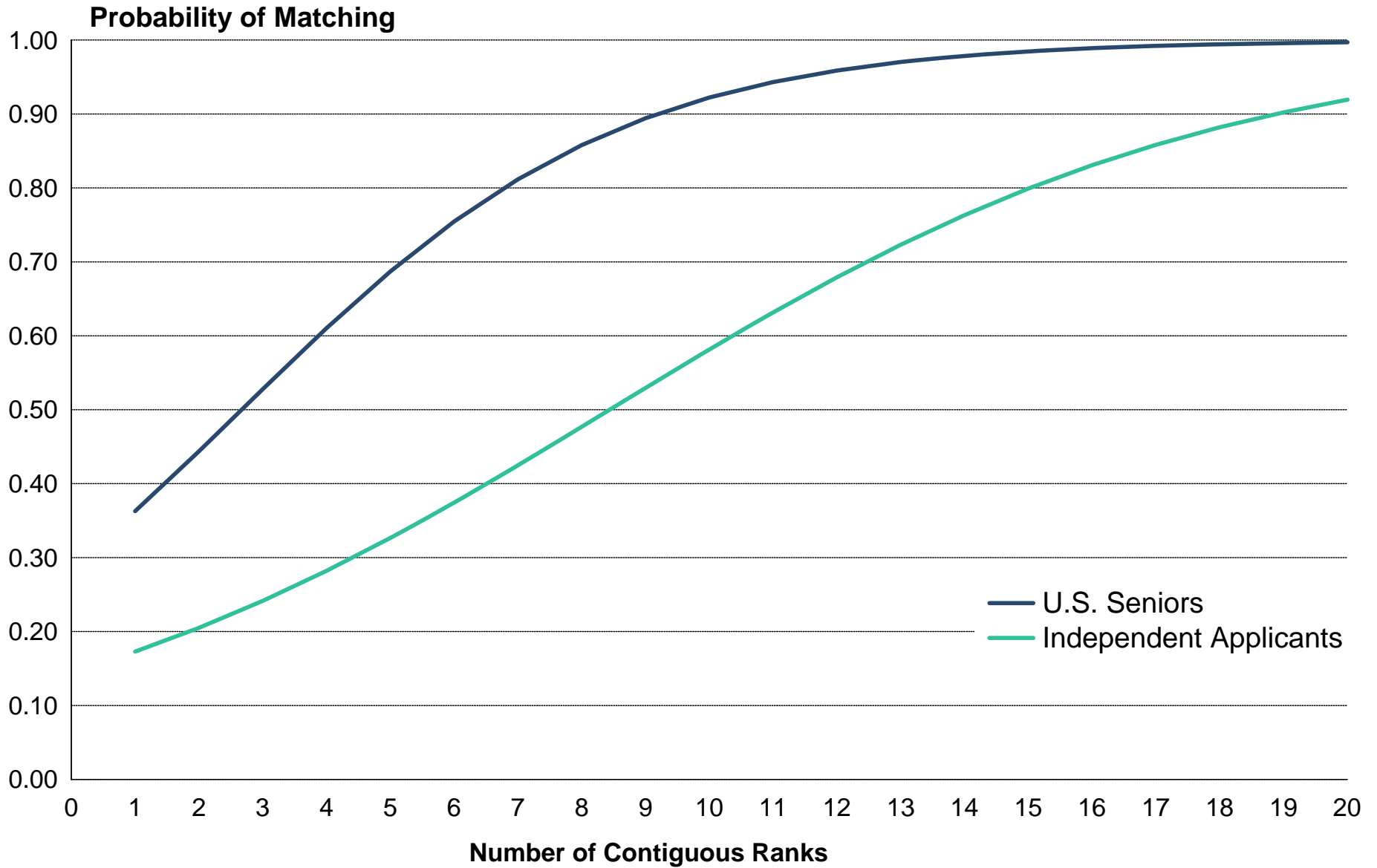
**Number of Contiguous Ranks Within Preferred Specialty  
General Surgery**



Source: NRMP Data Warehouse

# Probability of Matching to Preferred Specialty by Number of Contiguous Ranks

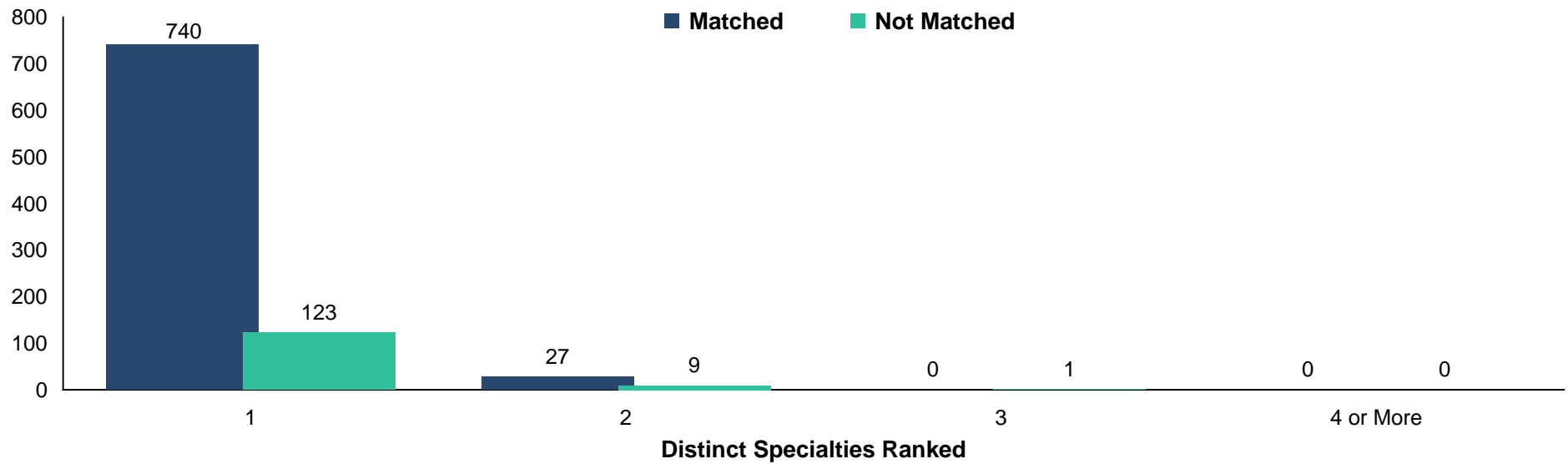
## General Surgery



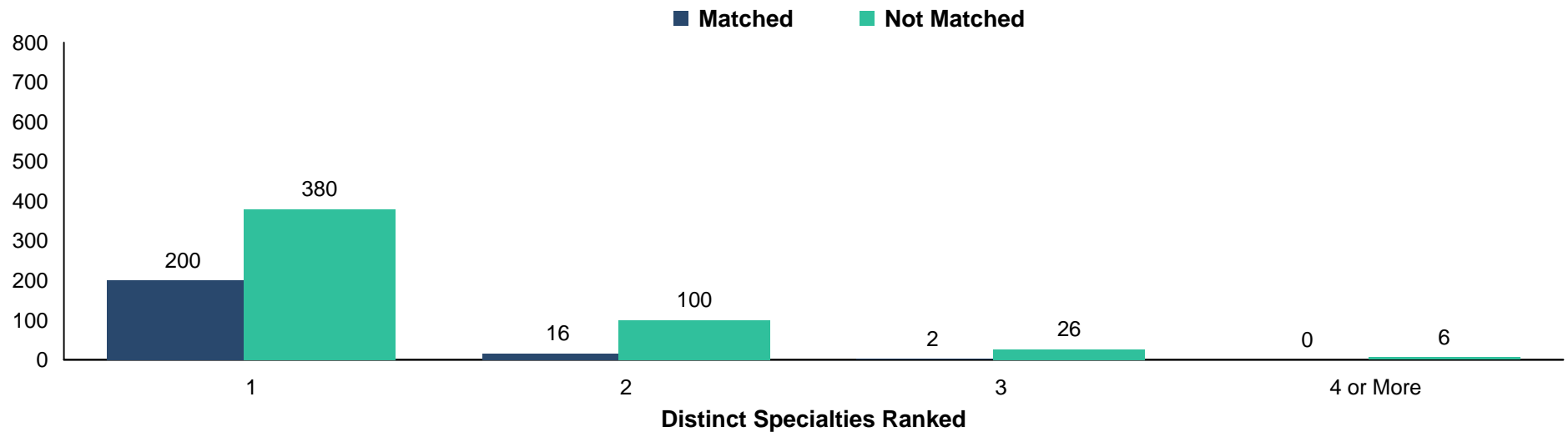
Source: NRMP Data Warehouse. Note: Probabilities calculated based on 2007-2009 applicants.

**Number of Distinct Specialties Ranked  
General Surgery**

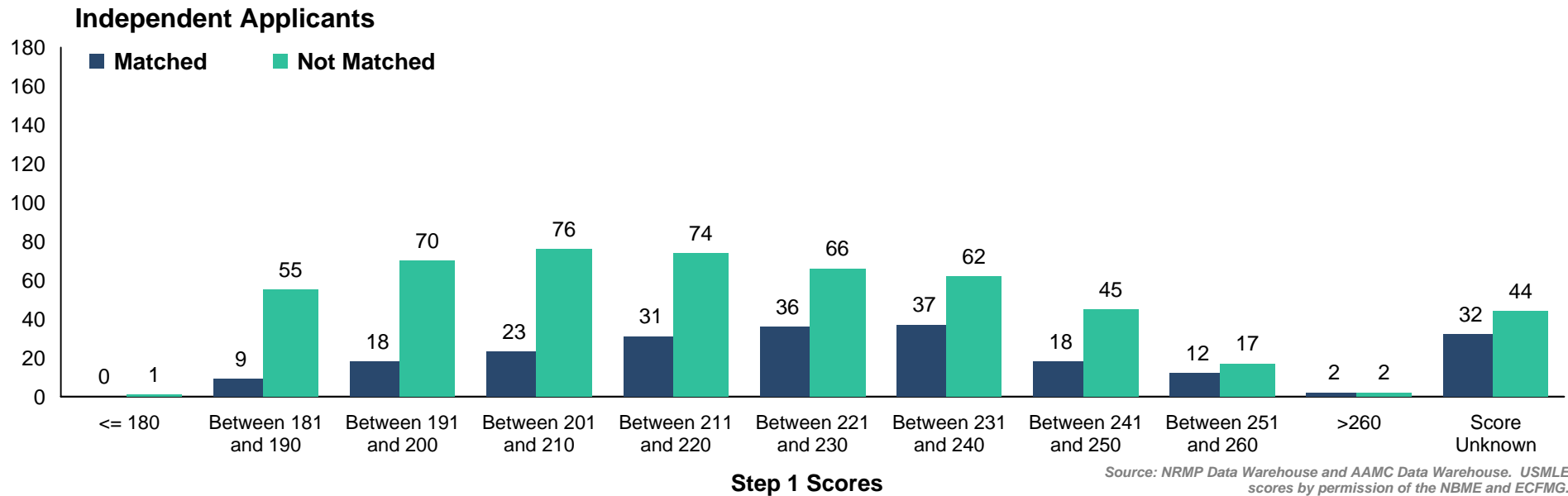
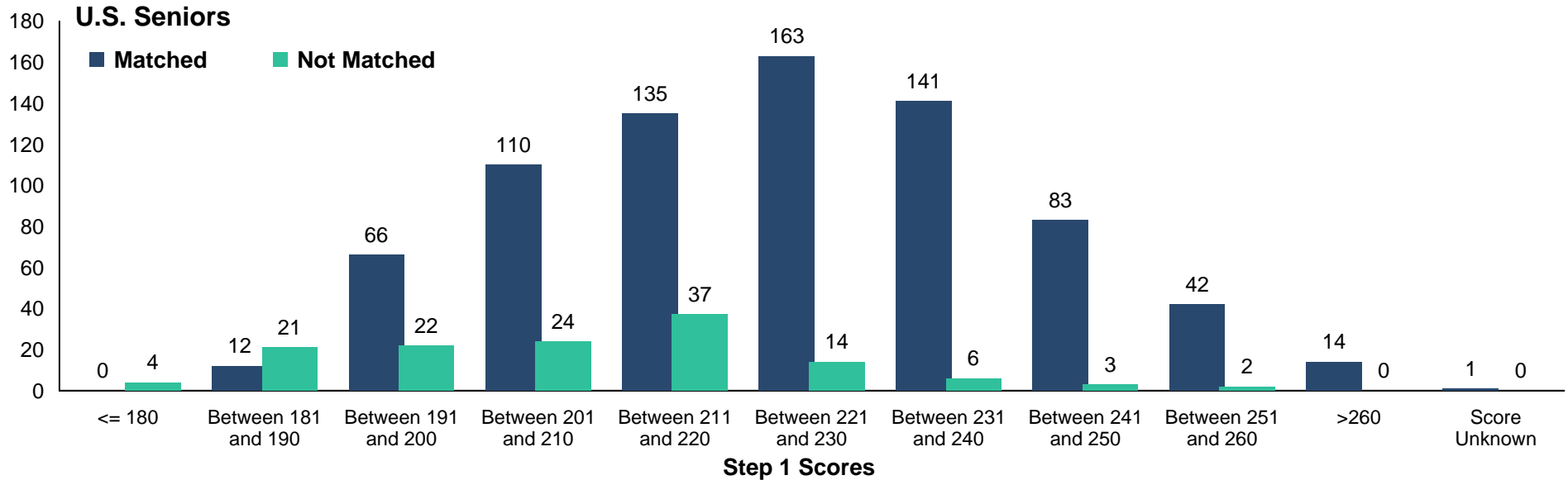
**U.S. Seniors**



**Independent Applicants**



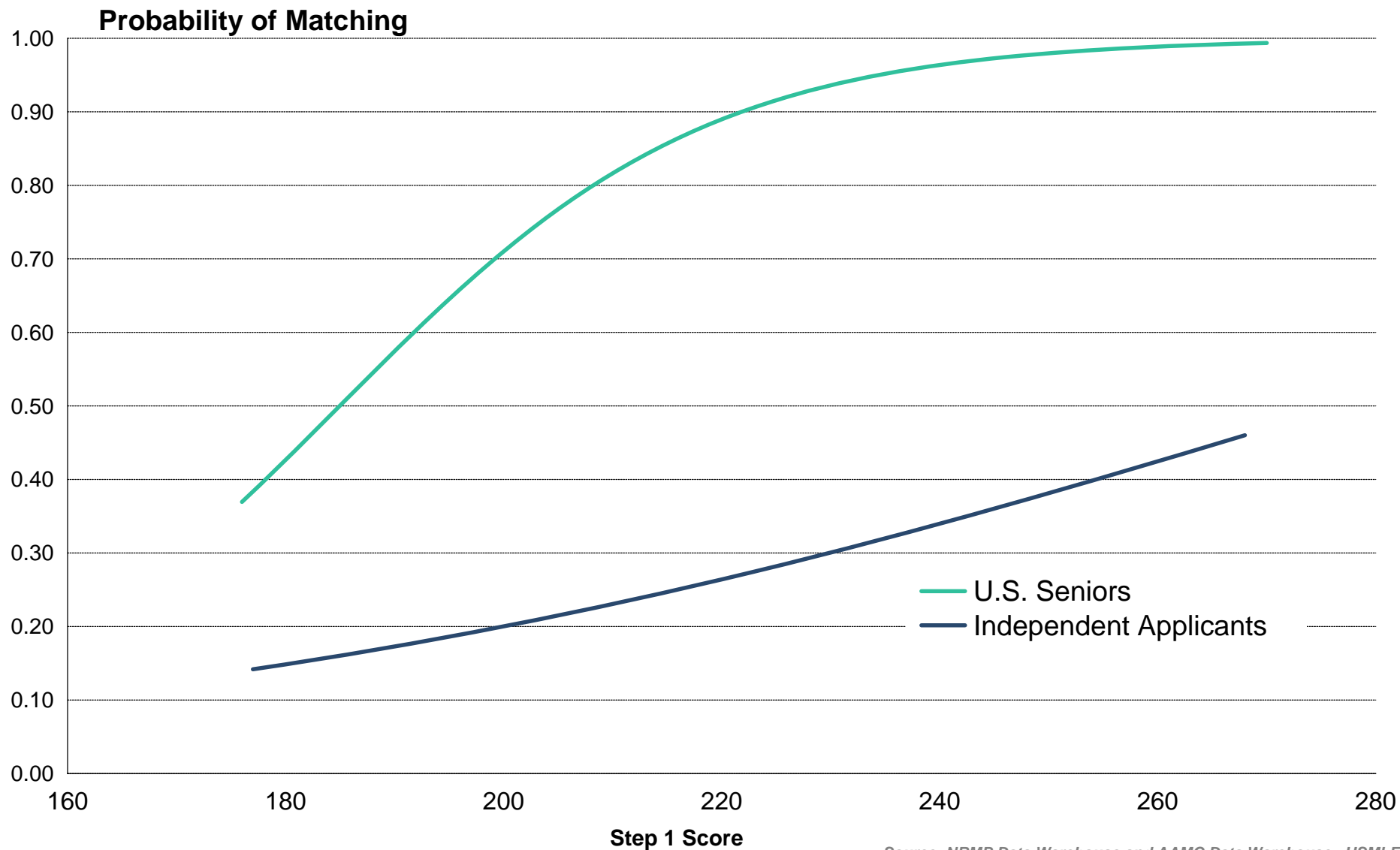
Source: NRMP Data Warehouse



Source: NRMP Data Warehouse and AAMC Data Warehouse. USMLE scores by permission of the NBME and ECFMG.

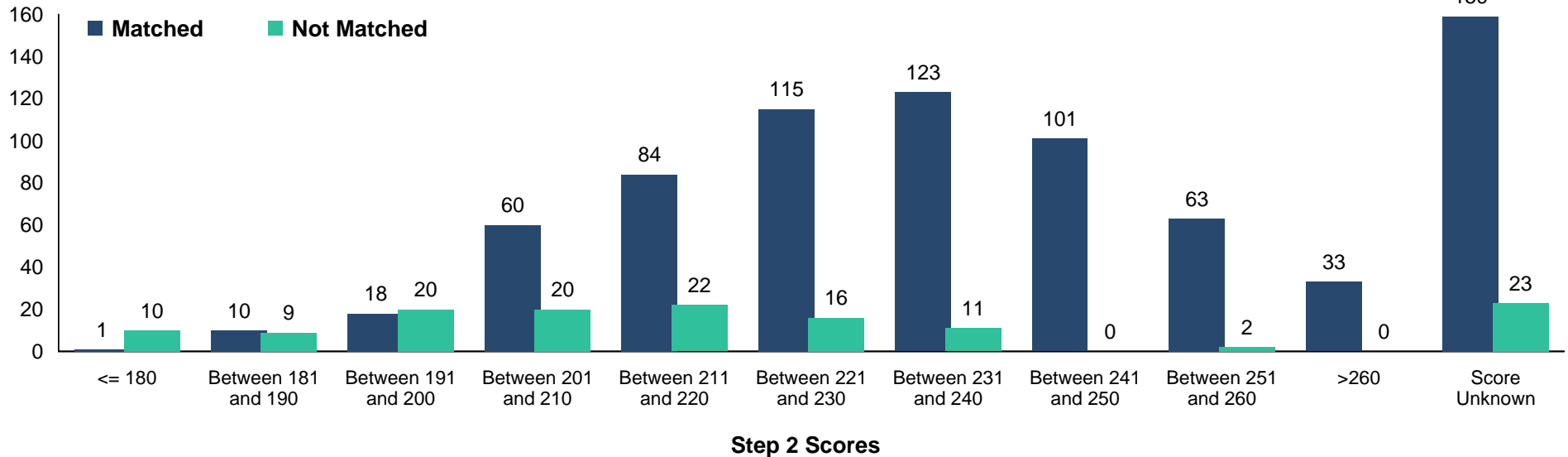
# Probability of Matching to Preferred Specialty by USMLE Step 1 Score

## General Surgery

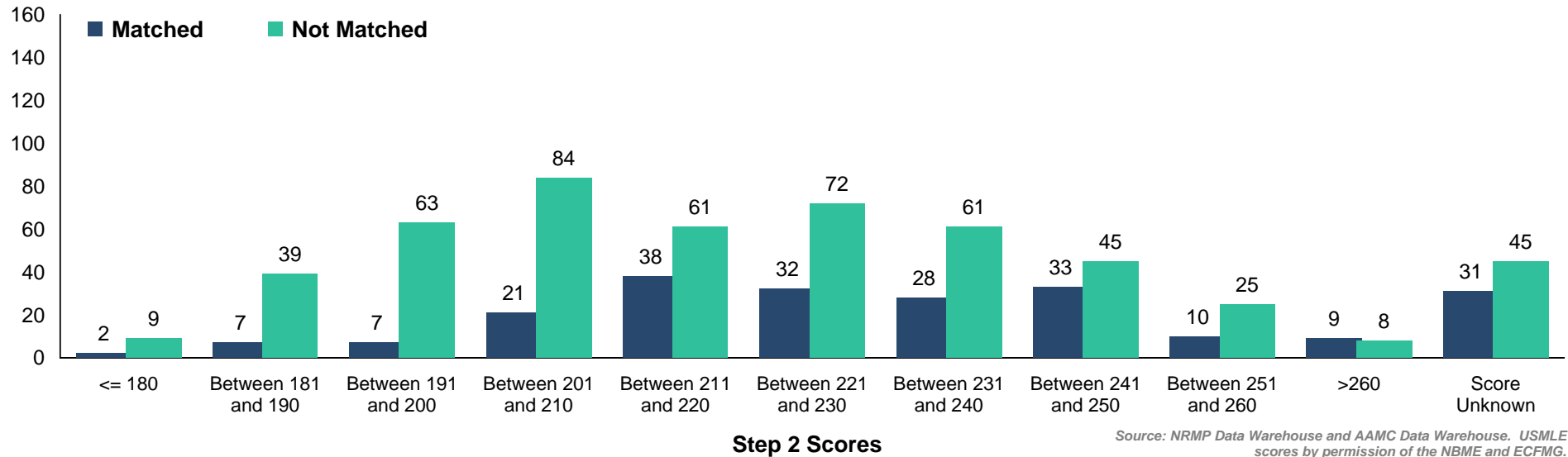


Source: NRMP Data Warehouse and AAMC Data Warehouse. USMLE scores by permission of the NBME and ECFMG. Note: Probabilities calculated based on 2007-2009 applicants.

U.S. Seniors



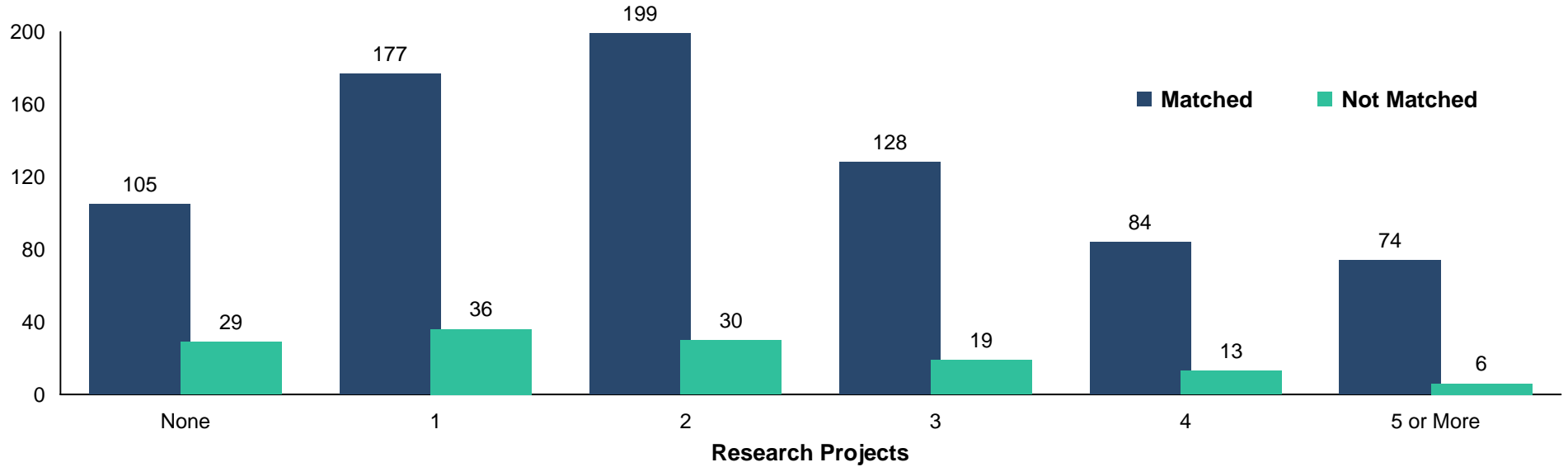
Independent Applicants



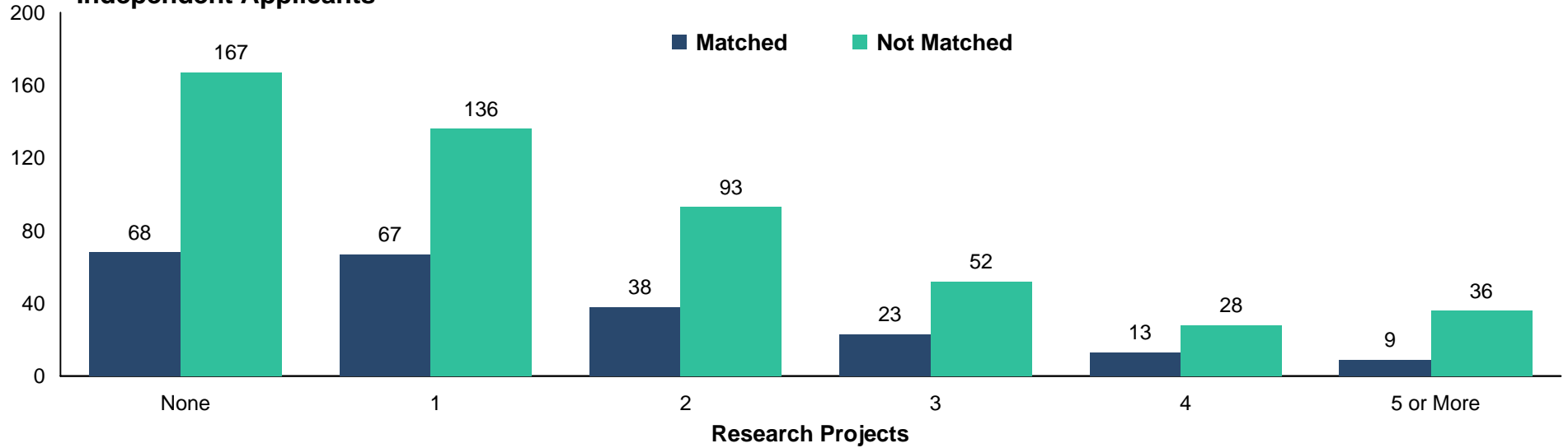
Source: NRMP Data Warehouse and AAMC Data Warehouse. USMLE scores by permission of the NBME and ECFMG.

**Number of Research Projects  
General Surgery**

**U.S. Seniors**

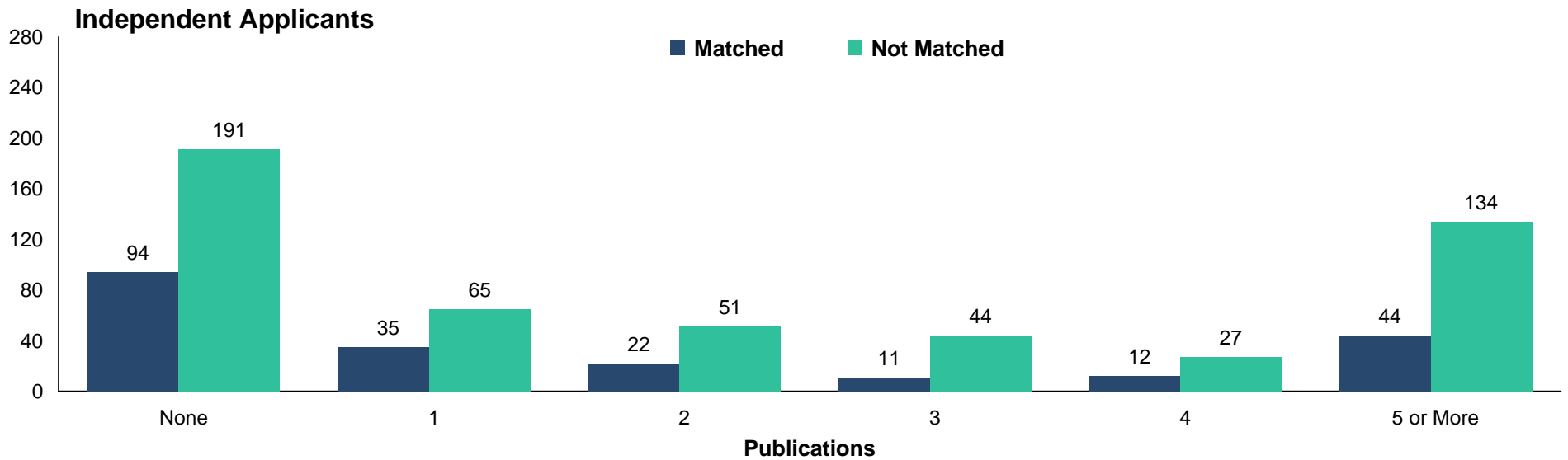
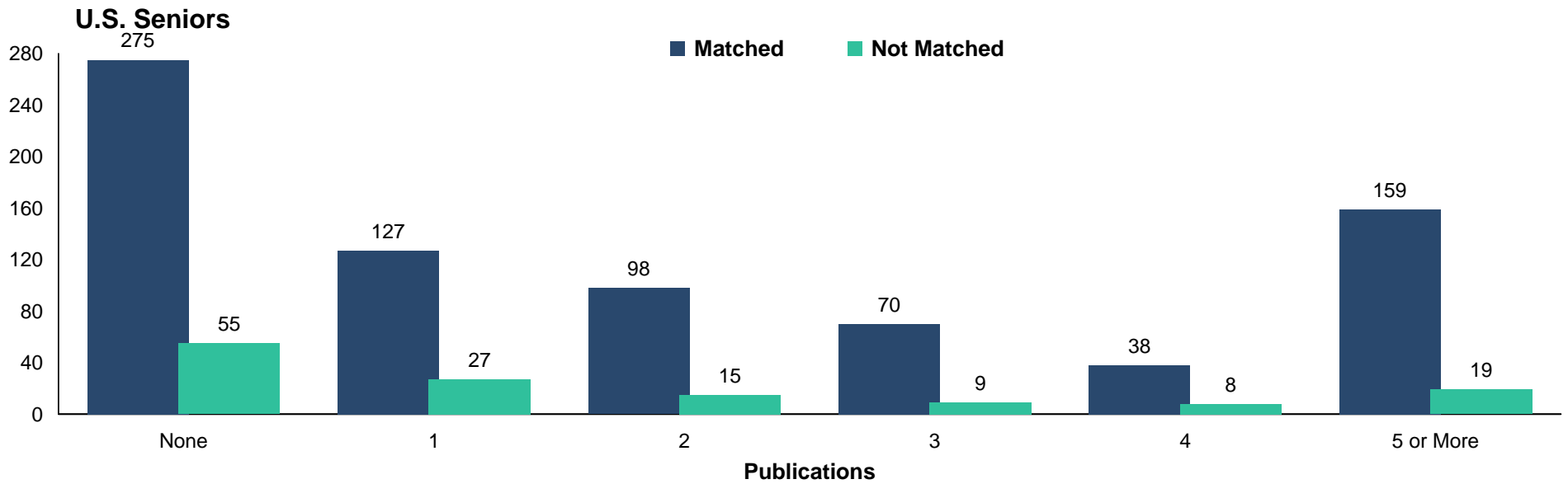


**Independent Applicants**



Source: NRMP Data Warehouse and AAMC Data Warehouse

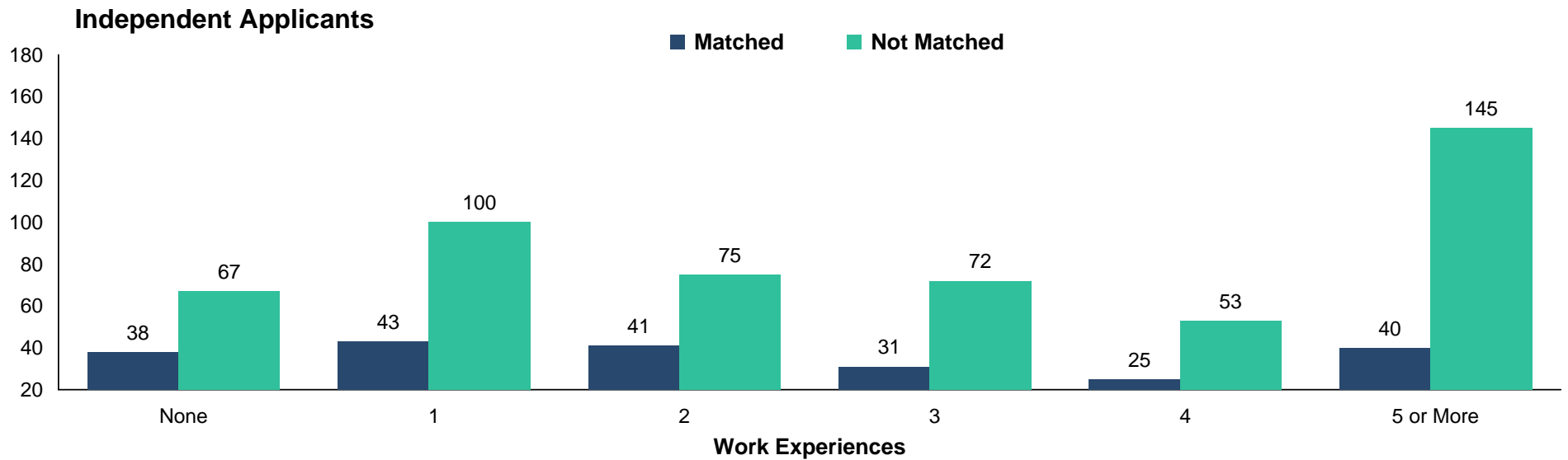
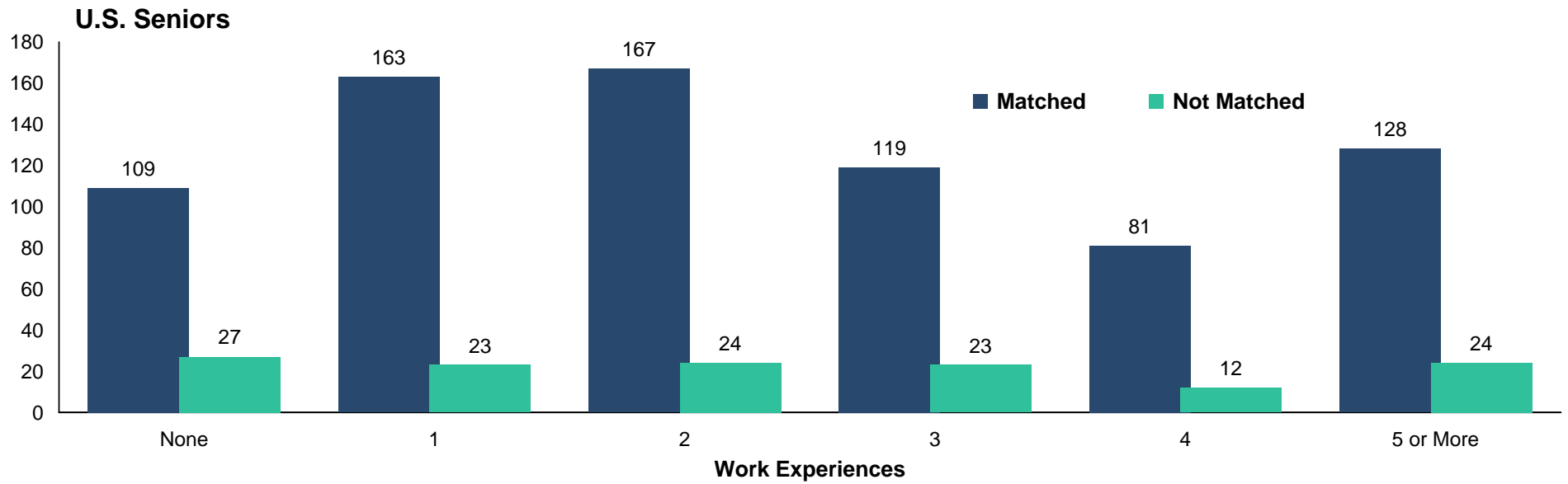
**Number of Abstracts, Presentations, and Publications  
General Surgery**



Source: NRMP Data Warehouse and AAMC Data Warehouse



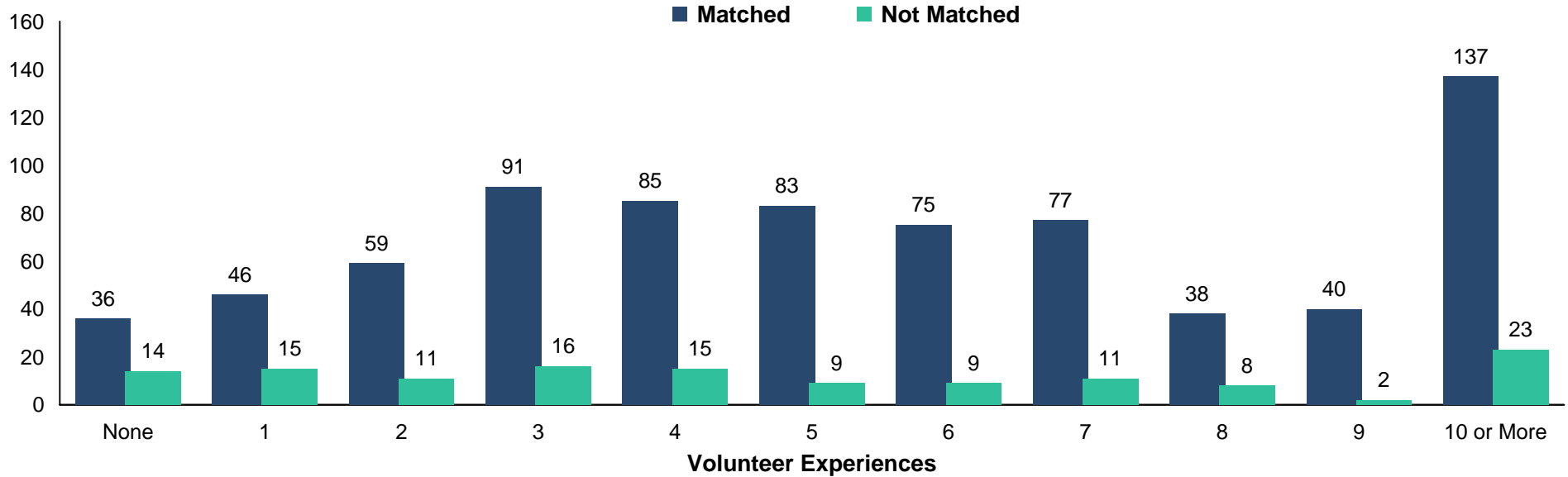
**Number of Work Experiences  
General Surgery**



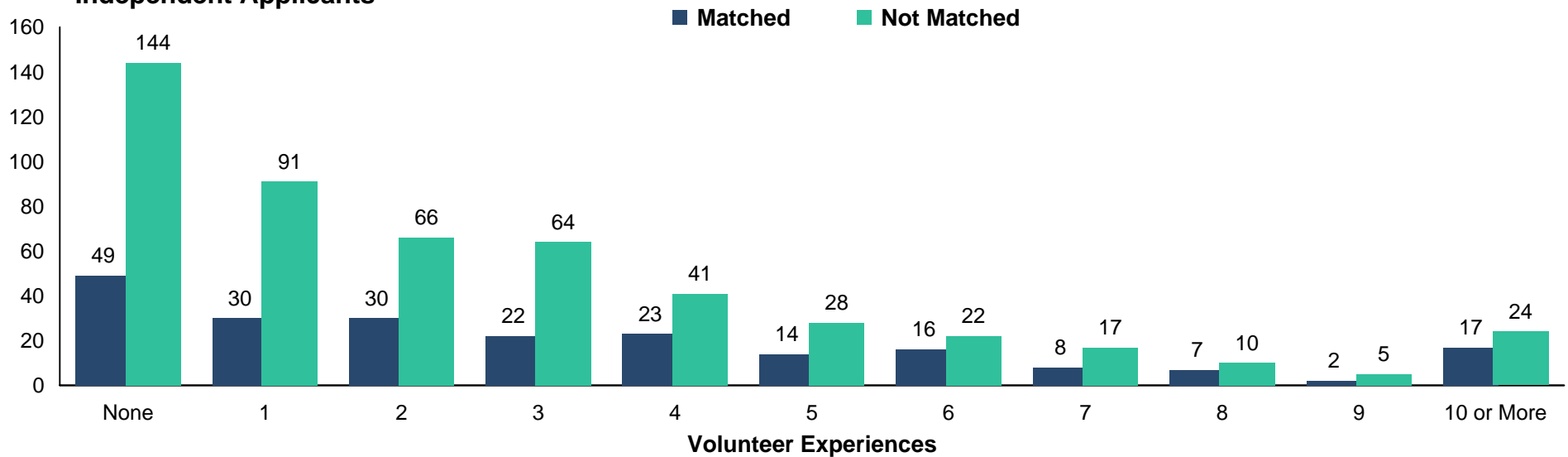
Source: NRMP Data Warehouse and AAMC Data Warehouse

**Number of Volunteer Experiences  
General Surgery**

**U.S. Seniors**



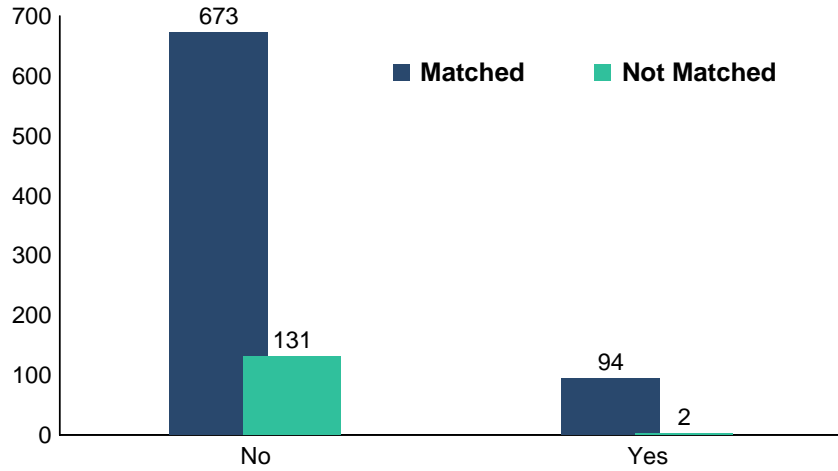
**Independent Applicants**



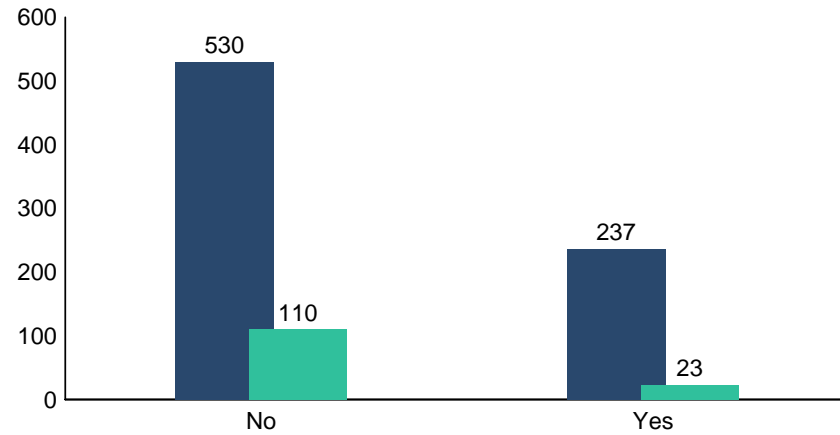
Source: NRMP Data Warehouse and AAMC Data Warehouse.

**Other Characteristics of U.S. Seniors  
General Surgery**

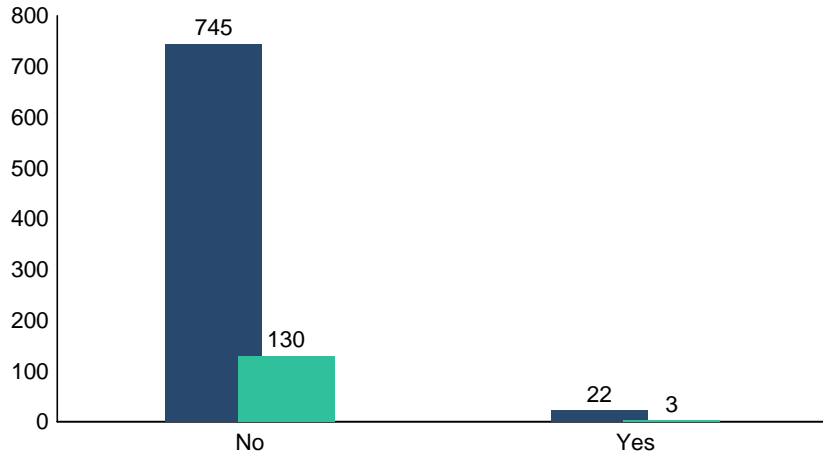
**AOA Membership**



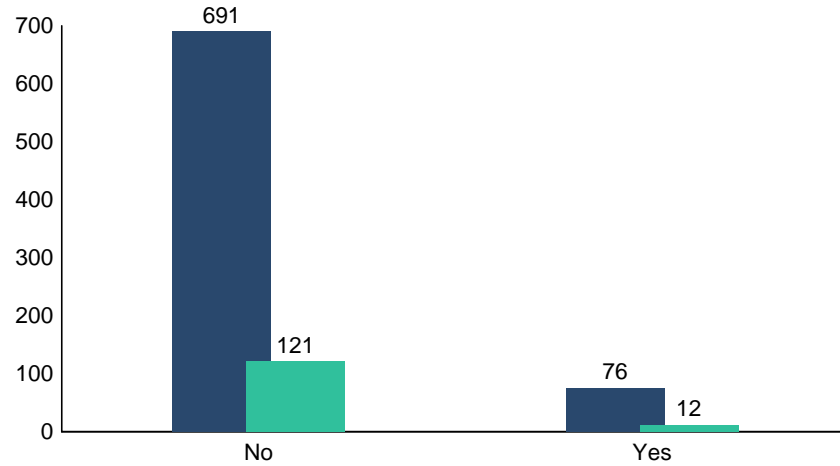
**Graduate of One of the 40 U.S. Medical Schools with the Highest NIH Funding**



**Ph.D. Degree**



**Other Graduate Degree**



Sources. AOA membership from the AAMC Data Warehouse, NIH awards from <http://report.nih.gov/award/trends/AggregateData.cfm> Medical Schools Only.xls, Ph.D. and other graduate degrees from the AAMC Data Warehouse

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**IM** Internal Medicine

**Table**  
**IM-1** **Summary Statistics**  
*Internal Medicine*

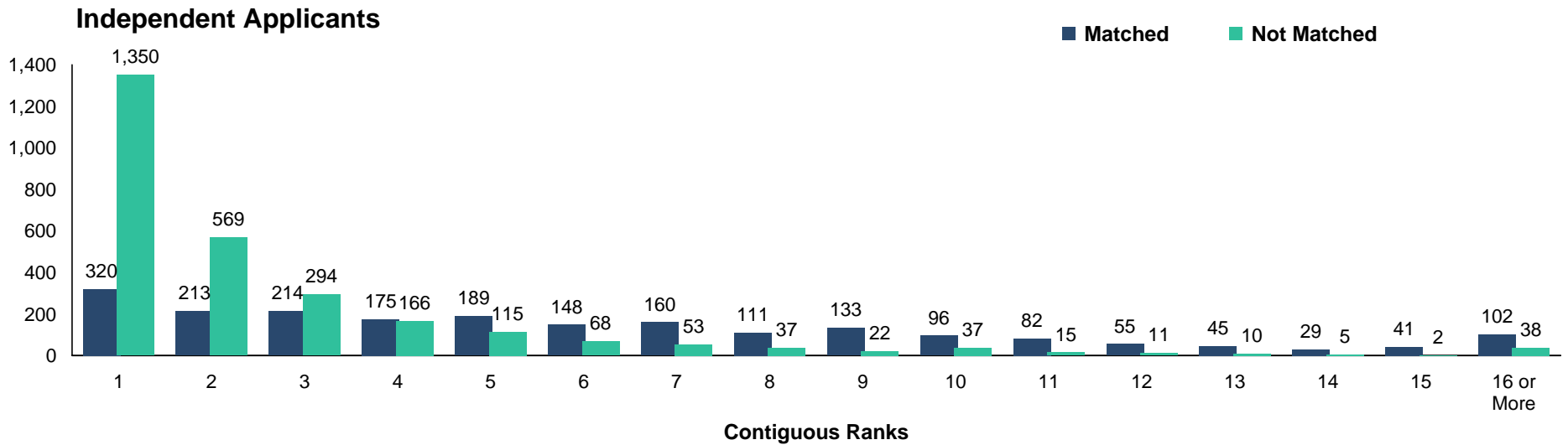
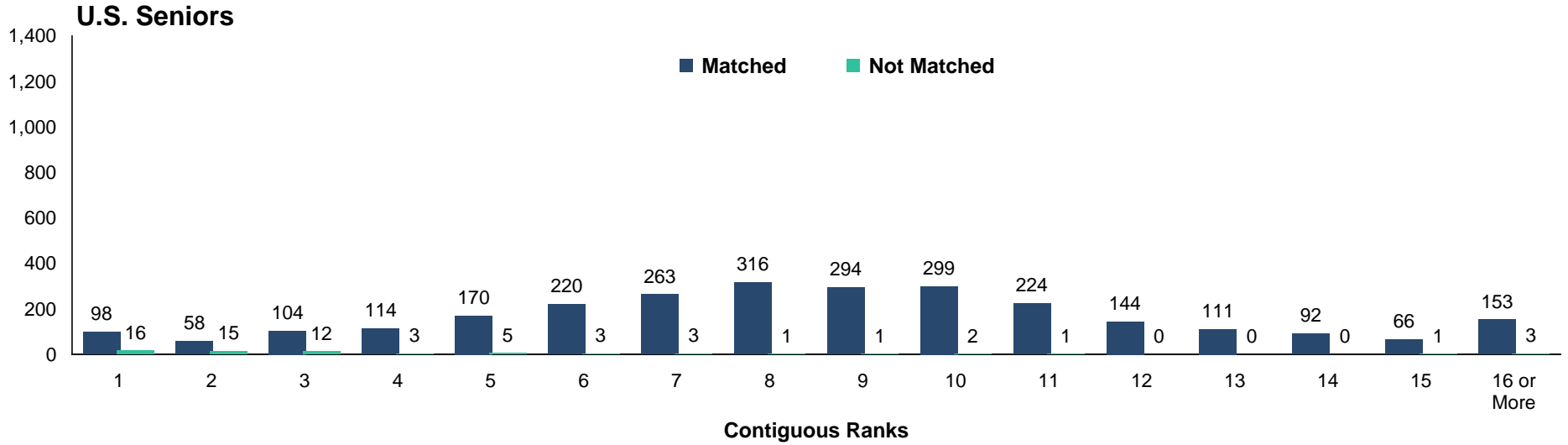
Measure	U.S. Seniors		Independent Applicants	
	Matched (n=2,726)	Unmatched (n=66)	Matched (n=2,113)	Unmatched (n=2,792)
1. Mean number of contiguous ranks	8.7	4.3	6.2	2.7
2. Mean number of distinct specialties ranked	1.0	1.4	1.3	1.5
3. Mean USMLE Step 1 score	225	202	222	209
4. Mean USMLE Step 2 score	232	199	226	211
5. Mean number of research experiences	2.2	1.8	1.2	1.0
6. Mean number of abstracts, presentations, and publications	2.8	2.3	2.3	2.3
7. Mean number of work experiences	2.4	2.2	3.2	3.7
8. Mean number of volunteer experiences	5.9	4.3	2.8	2.0
9. Percentage who are AOA members	14.9	1.5	n/a	n/a
10. Percentage who graduated from one of the 40 U.S. medical schools with the highest NIH funding	38.5	18.2	n/a	n/a
11. Percentage who have Ph.D. degree	4.7	4.5	n/a	n/a
12. Percentage who have another graduate degree	11.2	12.1	n/a	n/a

n/a: The measure either does not apply to, applies to only a small percentage of, or no reliable data were available for independent applicants.

Sources. Measures 1, 2, and match outcome are from the NRMP Data Warehouse; measures 3 and 4 are from the AAMC Data Warehouse and from the ECFMG, both by permission of the NBME and ECFMG; measures 5-9 are from the AAMC Data Warehouse; measure 10 is from the NIH website (<http://report.nih.gov/award/trends/AggregateDate.cfm> Medical Schools Only.xls); and measures 11 and 12 are from the AAMC Data Warehouse.

Note: USMLE Step 1 scores are not available for most osteopathic medical school graduates included in the independent applicant group. Approximately 30 percent of U.S. allopathic medical school seniors do not take the USMLE Step 2 prior to the Match.

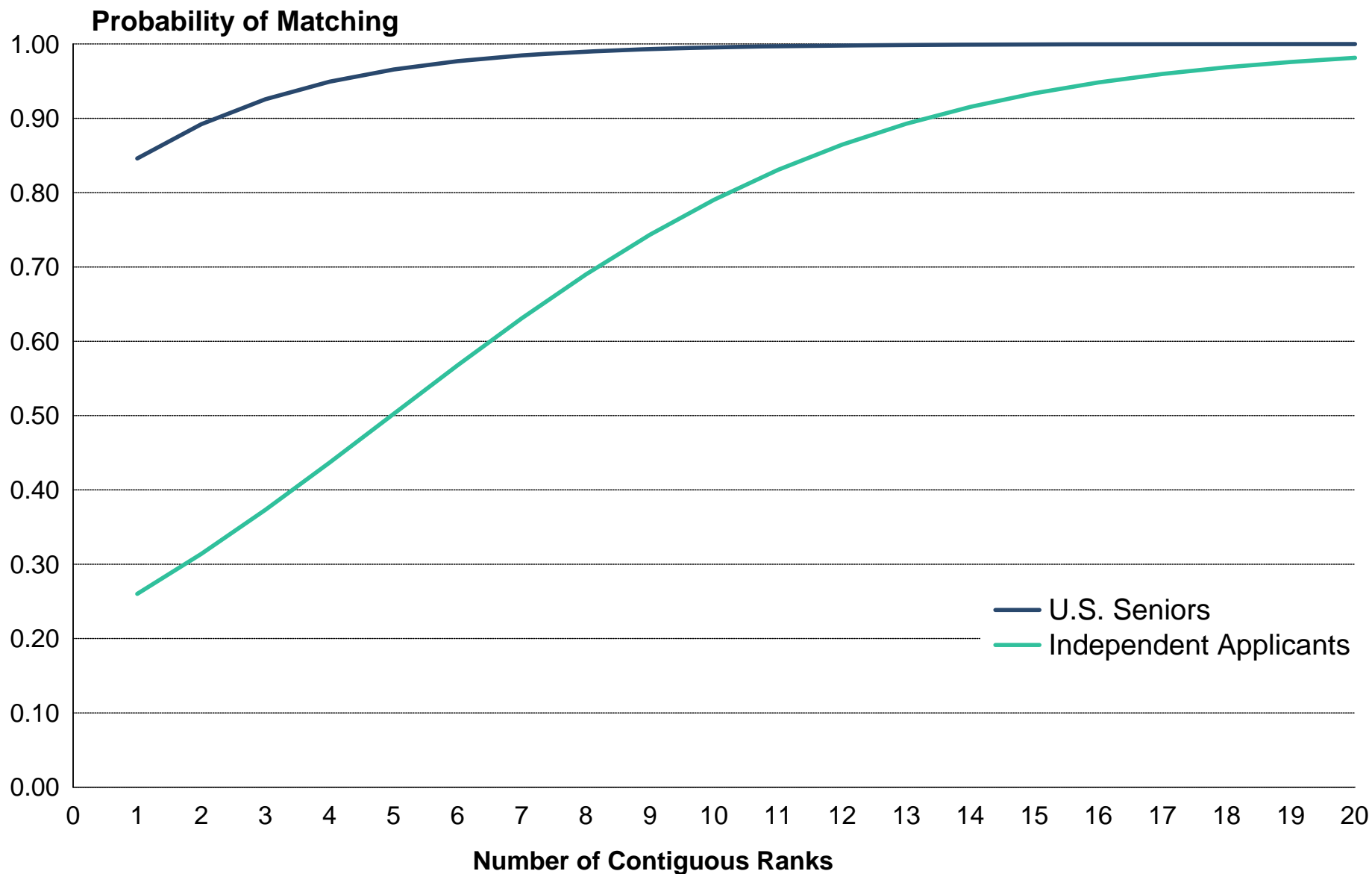
**Number of Contiguous Ranks Within Preferred Specialty  
Internal Medicine**



Source: NRMP Data Warehouse

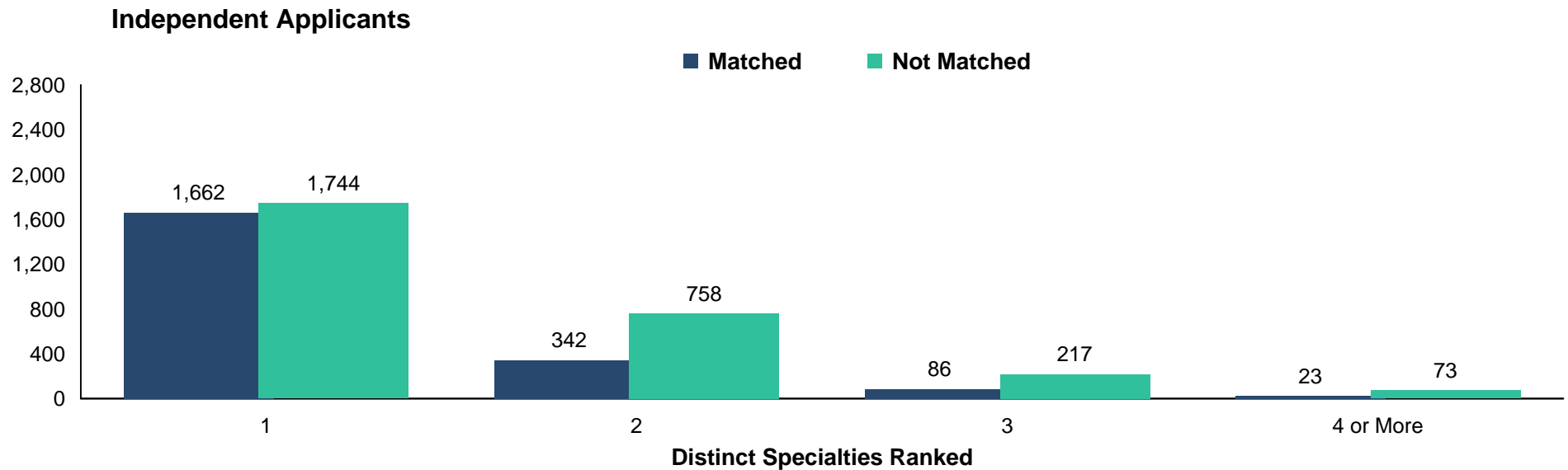
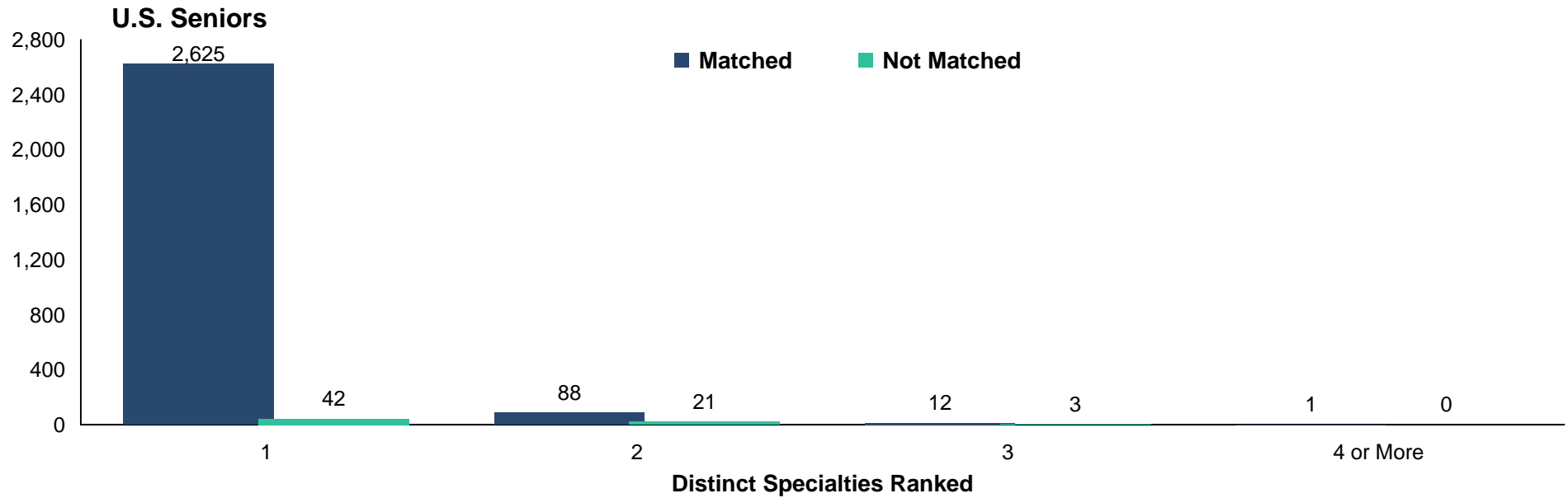
# Probability of Matching to Preferred Specialty by Number of Contiguous Ranks

*Internal Medicine*



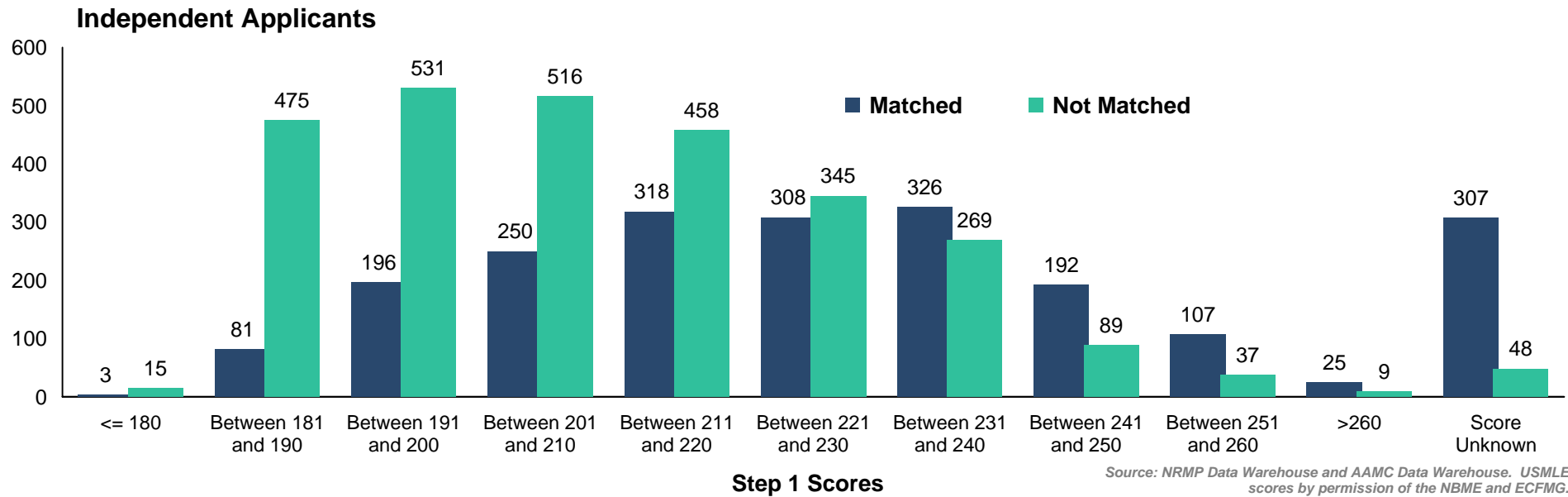
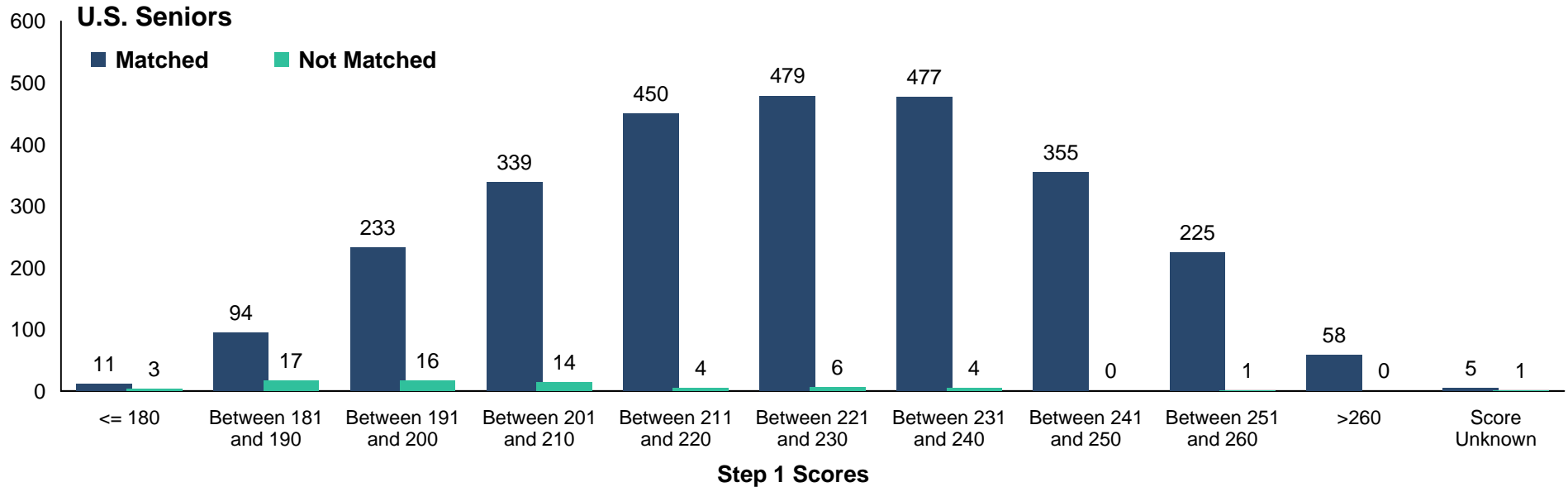
Source: NRMP Data Warehouse. Note: Probabilities calculated based on 2007-2009 applicants.

**Number of Distinct Specialties Ranked**  
*Internal Medicine*



Source: NRMP Data Warehouse

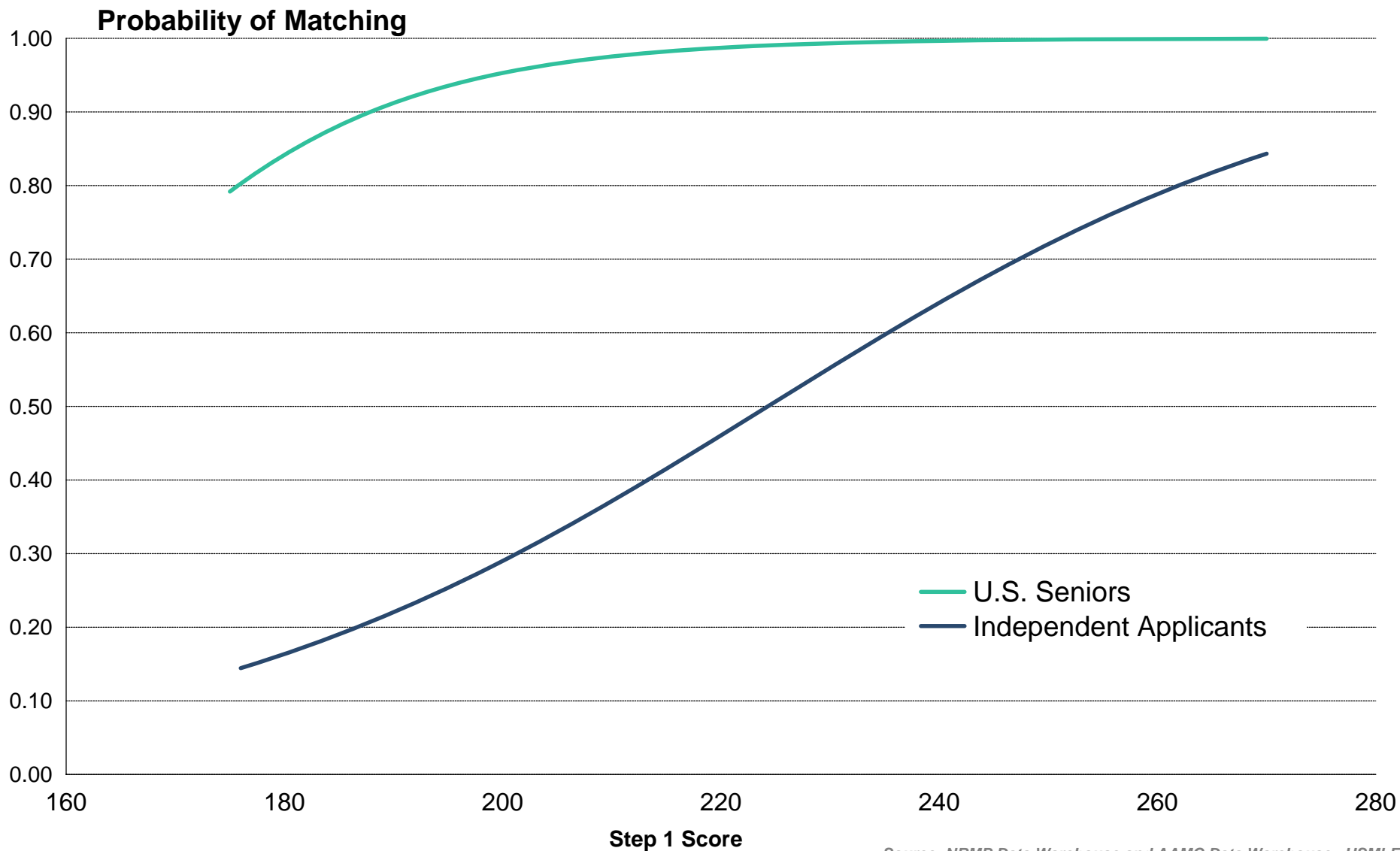




Source: NRMP Data Warehouse and AAMC Data Warehouse. USMLE scores by permission of the NBME and ECFMG.

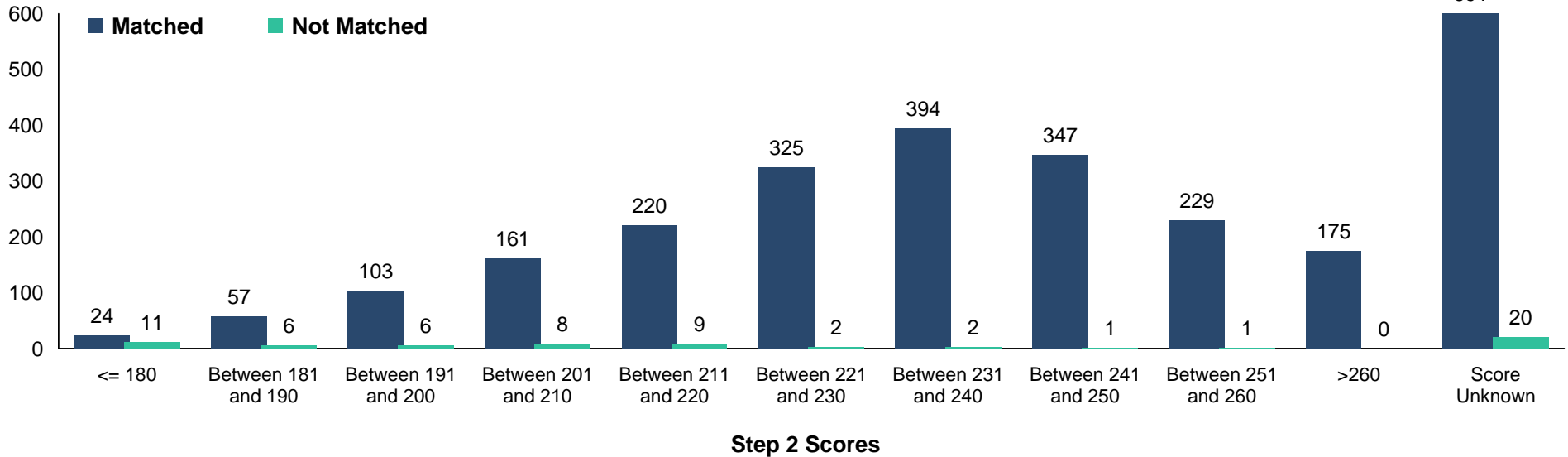
# Probability of Matching to Preferred Specialty by USMLE Step 1 Score

## Internal Medicine

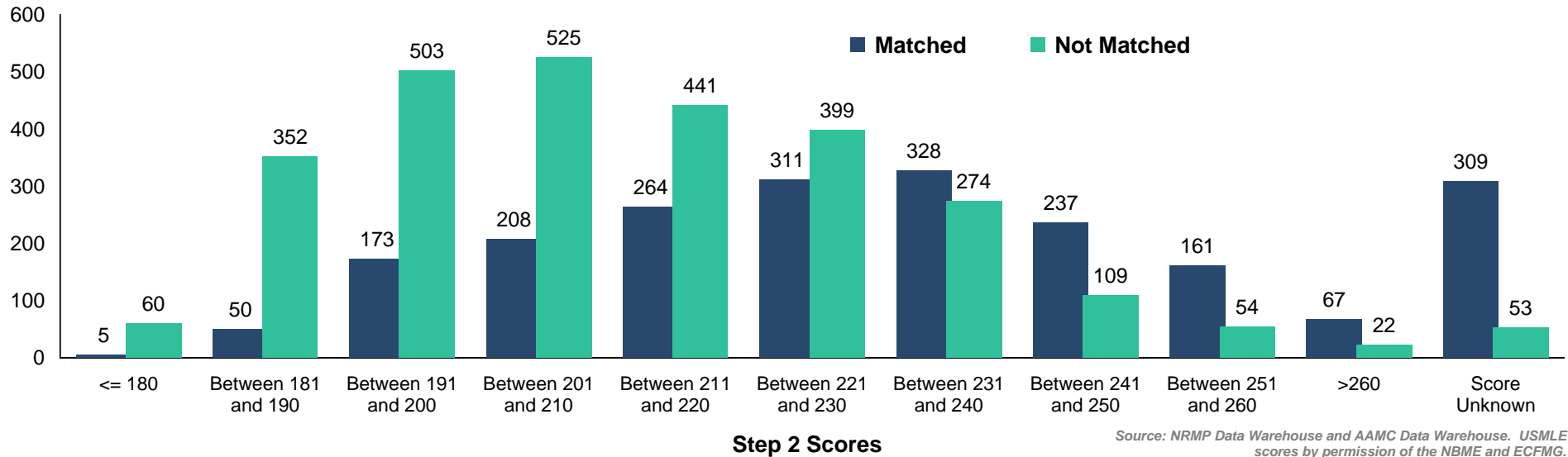


Source: NRMP Data Warehouse and AAMC Data Warehouse. USMLE scores by permission of the NBME and ECFMG. Note: Probabilities calculated based on 2007-2009 applicants.

**U.S. Seniors**

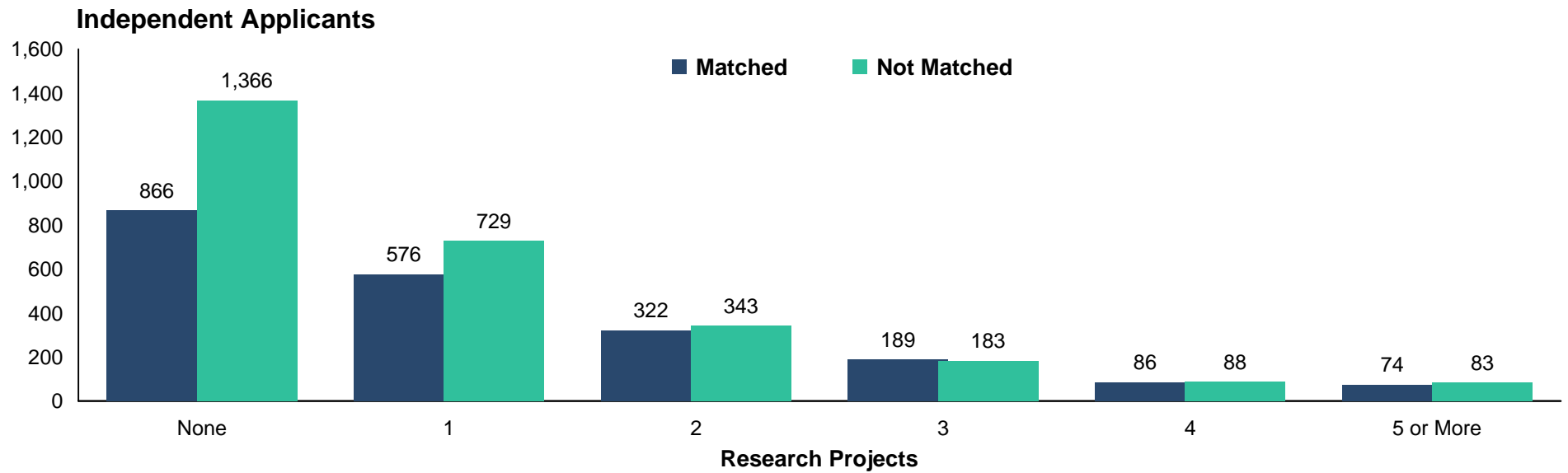
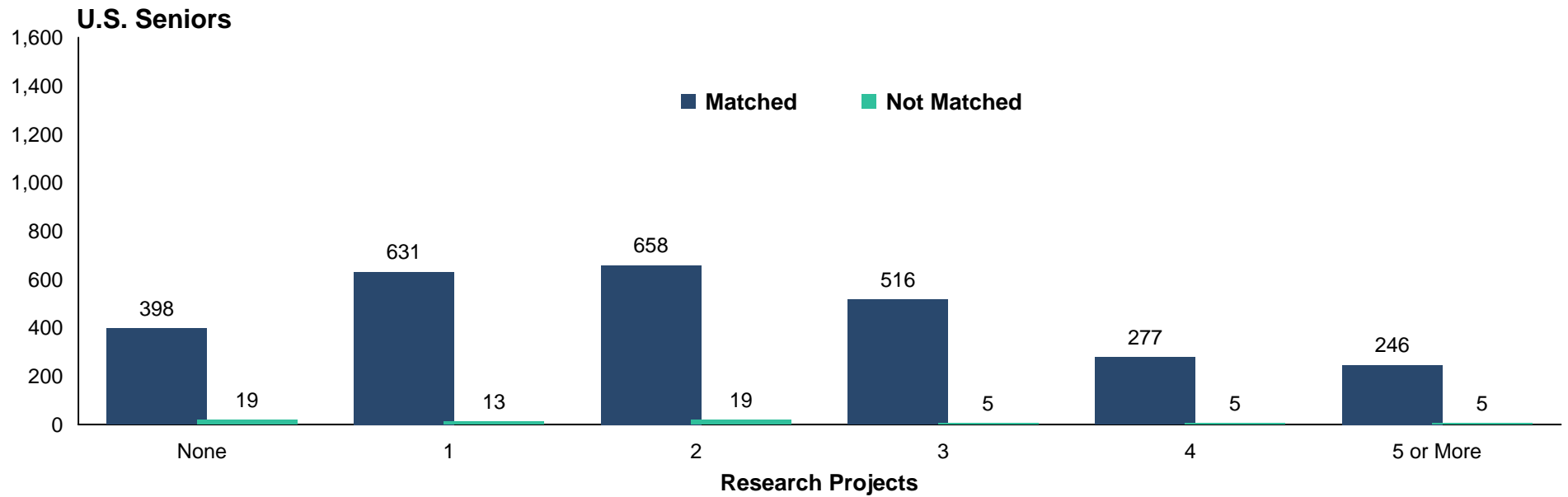


**Independent Applicants**



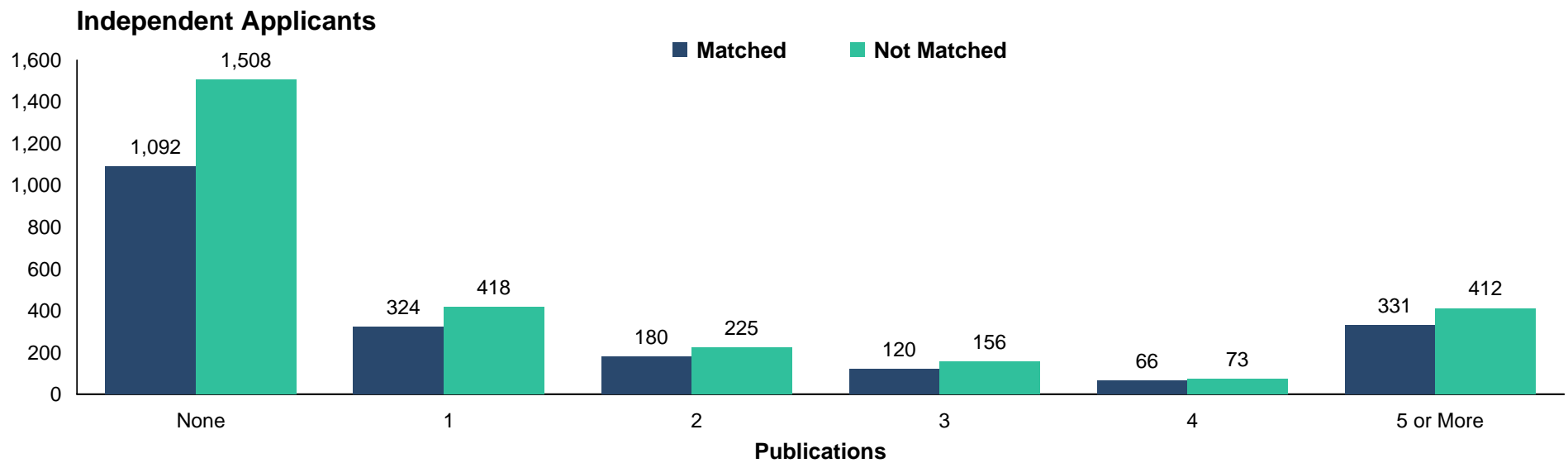
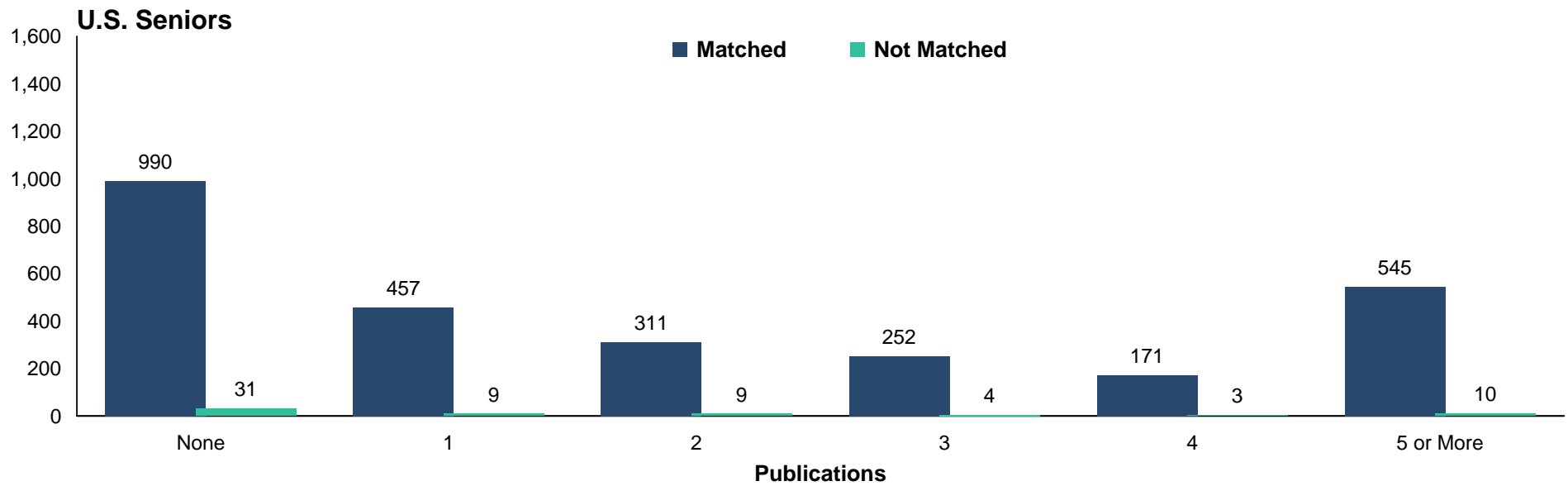
Source: NRMP Data Warehouse and AAMC Data Warehouse. USMLE scores by permission of the NBME and ECFMG.

**Number of Research Projects  
Internal Medicine**



Source: NRMP Data Warehouse and AAMC Data Warehouse

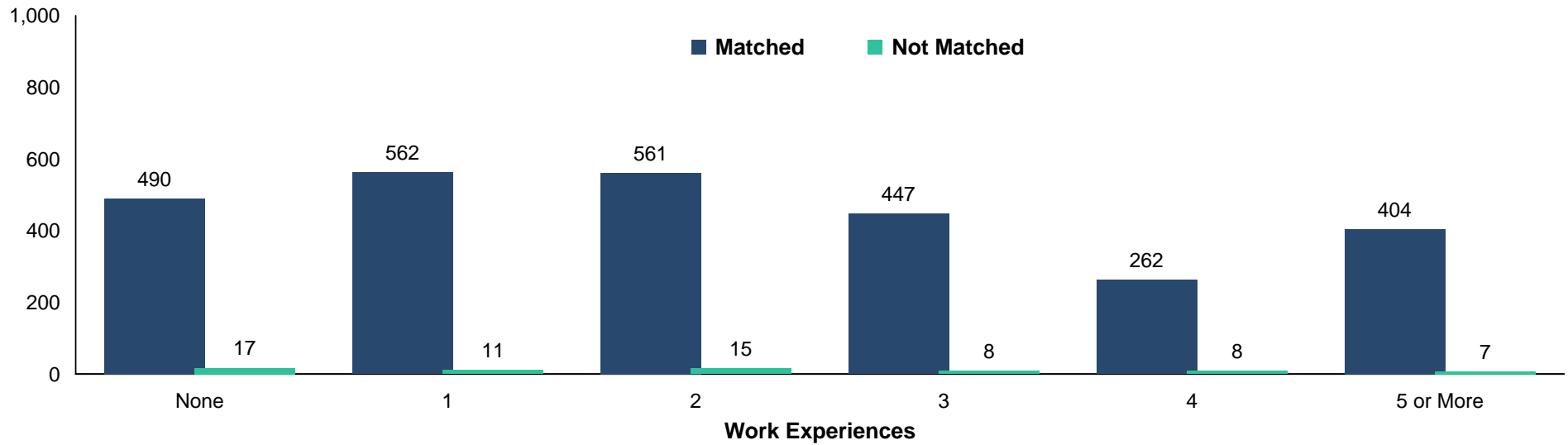
**Number of Abstracts, Presentations, and Publications**  
*Internal Medicine*



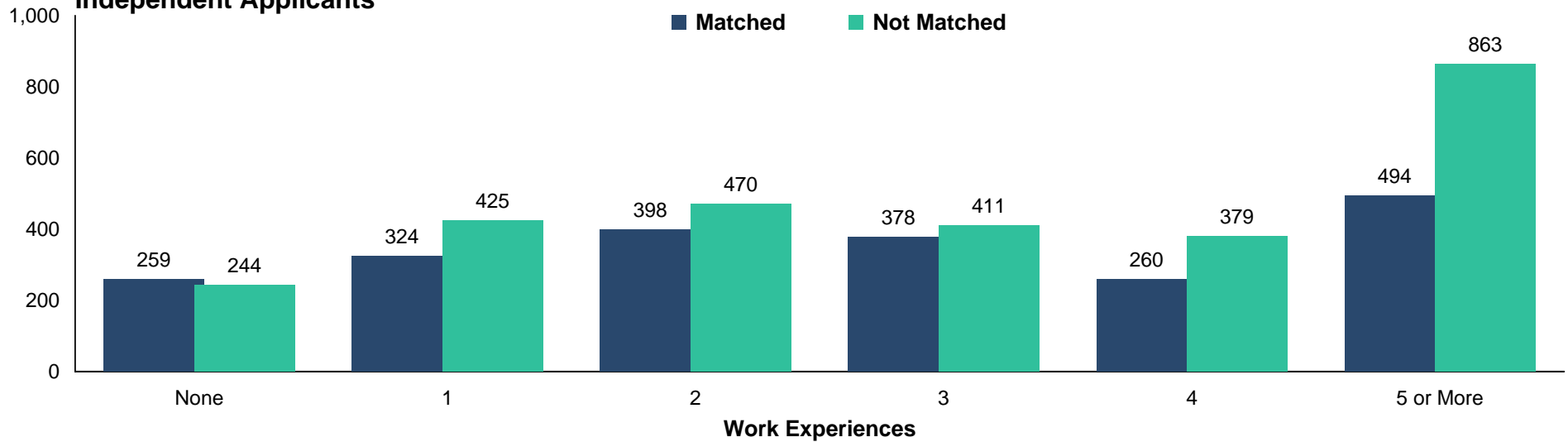
Source: NRMP Data Warehouse and AAMC Data Warehouse

**Number of Work Experiences**  
*Internal Medicine*

**U.S. Seniors**

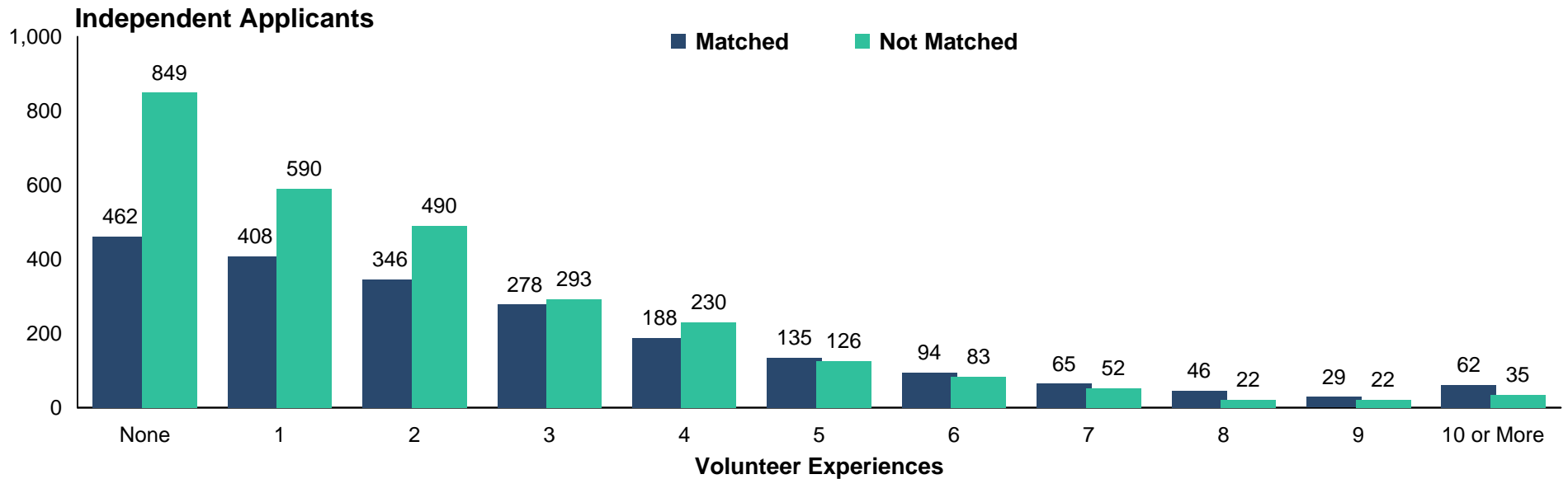
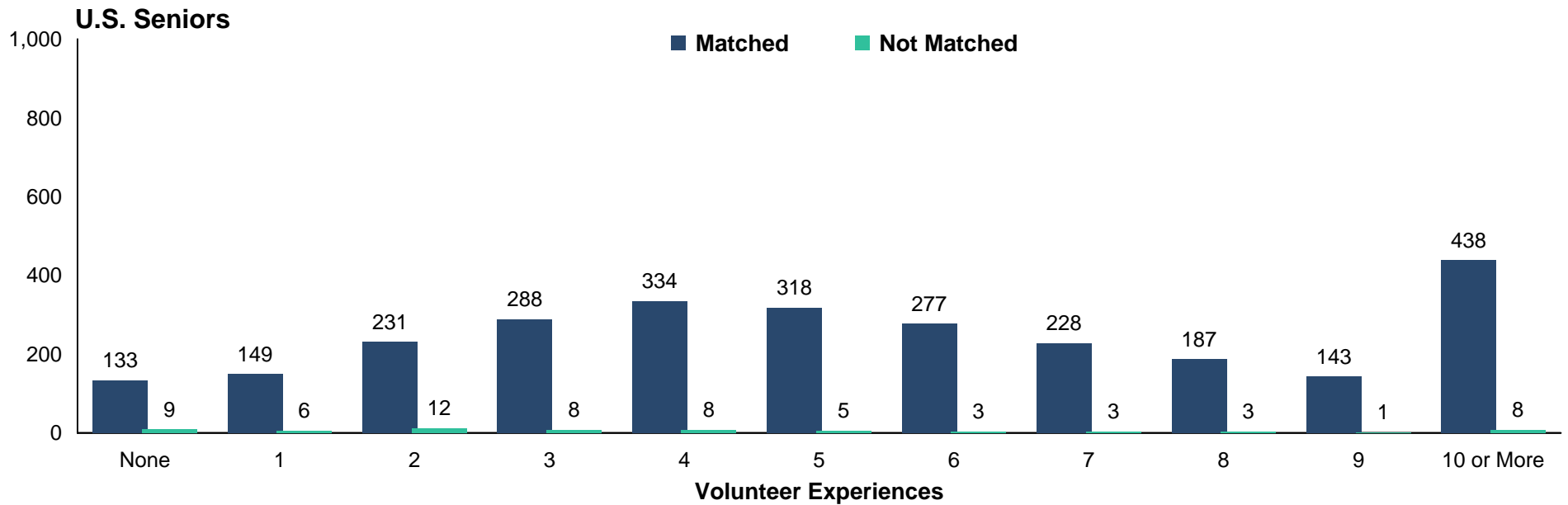


**Independent Applicants**



Source: NRMP Data Warehouse and AAMC Data Warehouse

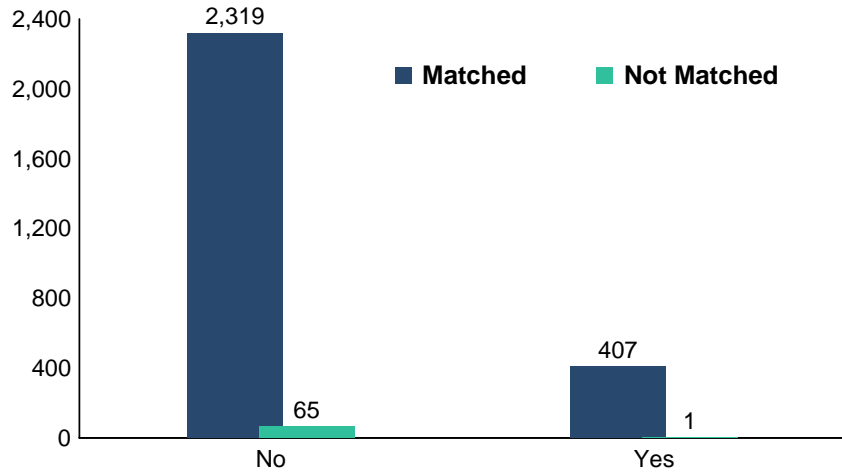
**Number of Volunteer Experiences**  
*Internal Medicine*



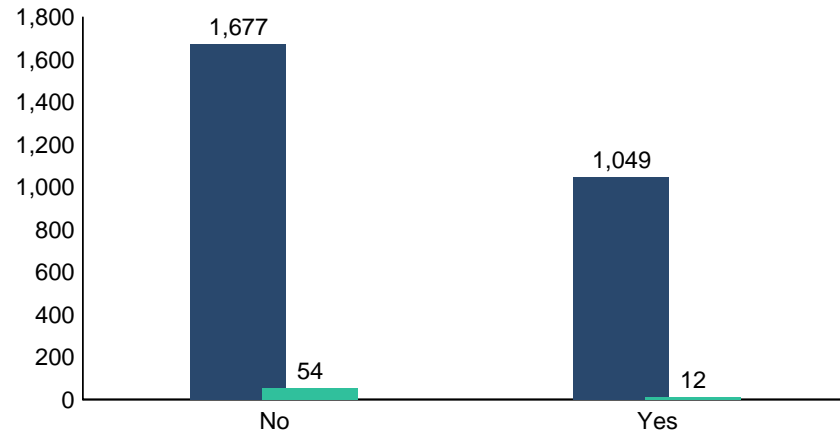
Source: NRMP Data Warehouse and AAMC Data Warehouse.

**Other Characteristics of U.S. Seniors  
Internal Medicine**

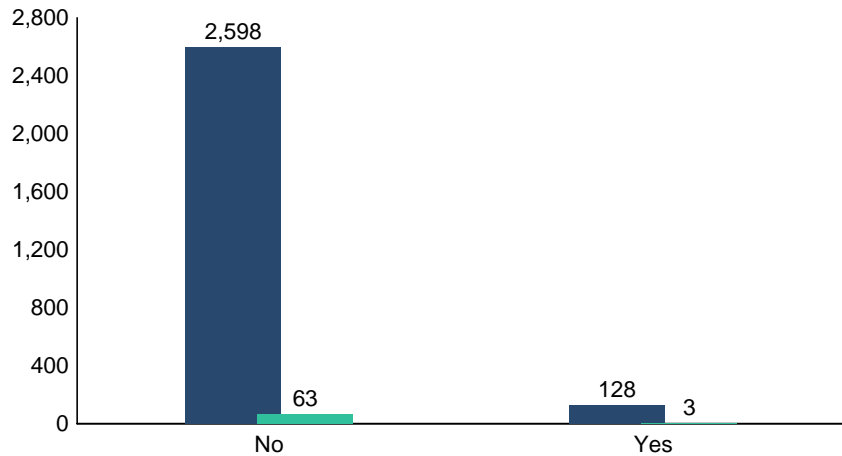
**AOA Membership**



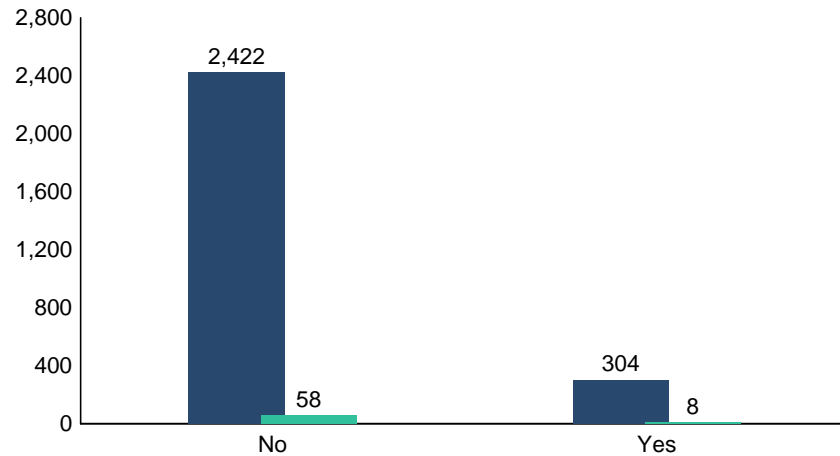
**Graduate of One of the 40 U.S. Medical Schools with the Highest NIH Funding**



**Ph.D. Degree**



**Other Graduate Degree**



Sources: AOA membership from the AAMC Data Warehouse, NIH awards from <http://report.nih.gov/award/trends/AggregateData.cfm> Medical Schools Only.xls, Ph.D. and other graduate degrees from the AAMC Data Warehouse



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**IP**

**Internal Medicine/Pediatrics**

**Table** **Summary Statistics**  
**IP-1** *Internal Medicine/Pediatrics*

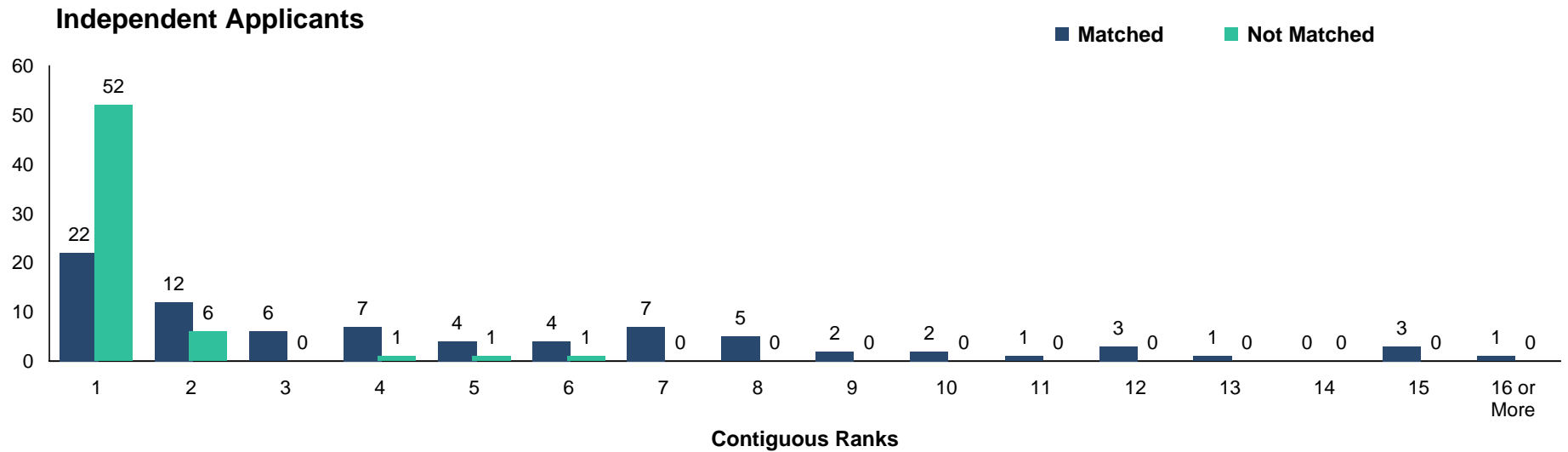
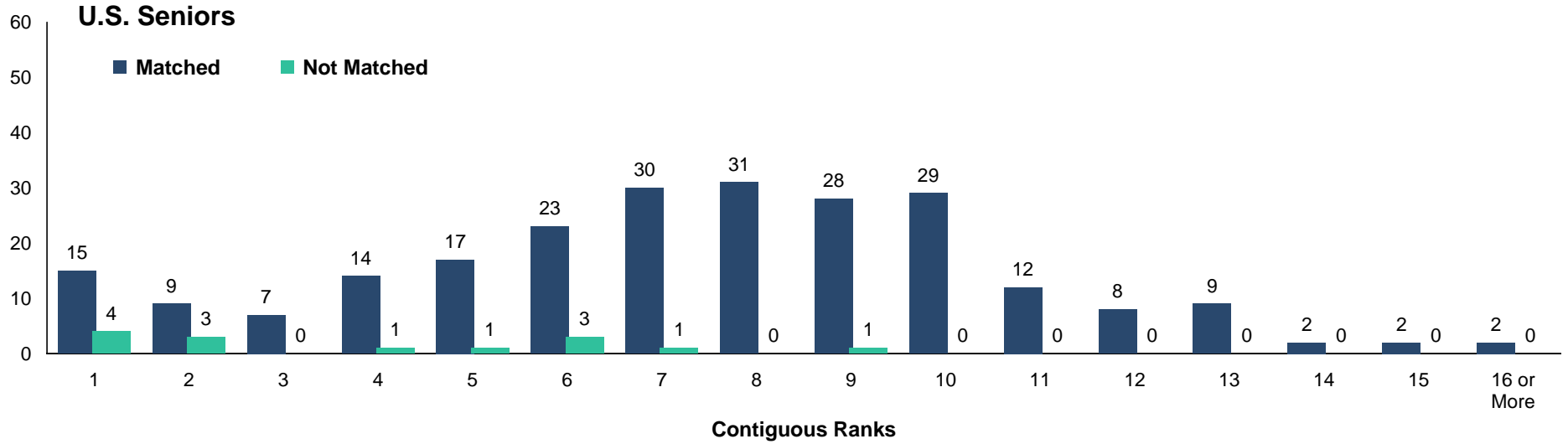
Measure	U.S. Seniors		Independent Applicants	
	Matched (n=238)	Unmatched (n=14)	Matched (n=80)	Unmatched (n=61)
1. Mean number of contiguous ranks	7.4	3.8	4.8	1.3
2. Mean number of distinct specialties ranked	1.2	1.6	1.8	2.5
3. Mean USMLE Step 1 score	225	211	215	217
4. Mean USMLE Step 2 score	235	218	218	213
5. Mean number of research experiences	1.7	2.2	1.2	1.0
6. Mean number of abstracts, presentations, and publications	2.0	4.2	1.7	1.5
7. Mean number of work experiences	2.7	2.3	3.8	3.8
8. Mean number of volunteer experiences	7.8	4.8	5.5	2.5
9. Percentage who are AOA members	21.0	7.1	n/a	n/a
10. Percentage who graduated from one of the 40 U.S. medical schools with the highest NIH funding	27.3	35.7	n/a	n/a
11. Percentage who have Ph.D. degree	1.7	7.1	n/a	n/a
12. Percentage who have another graduate degree	13.9	14.3	n/a	n/a

n/a: The measure either does not apply to, applies to only a small percentage of, or no reliable data were available for independent applicants.

Sources. Measures 1, 2, and match outcome are from the NRMP Data Warehouse; measures 3 and 4 are from the AAMC Data Warehouse and from the ECFMG, both by permission of the NBME and ECFMG; measures 5-9 are from the AAMC Data Warehouse; measure 10 is from the NIH website (<http://report.nih.gov/award/trends/AggregateDate.cfm> Medical Schools Only.xls); and measures 11 and 12 are from the AAMC Data Warehouse.

Note: USMLE Step 1 scores are not available for most osteopathic medical school graduates included in the independent applicant group. Approximately 30 percent of U.S. allopathic medical school seniors do not take the USMLE Step 2 prior to the Match.

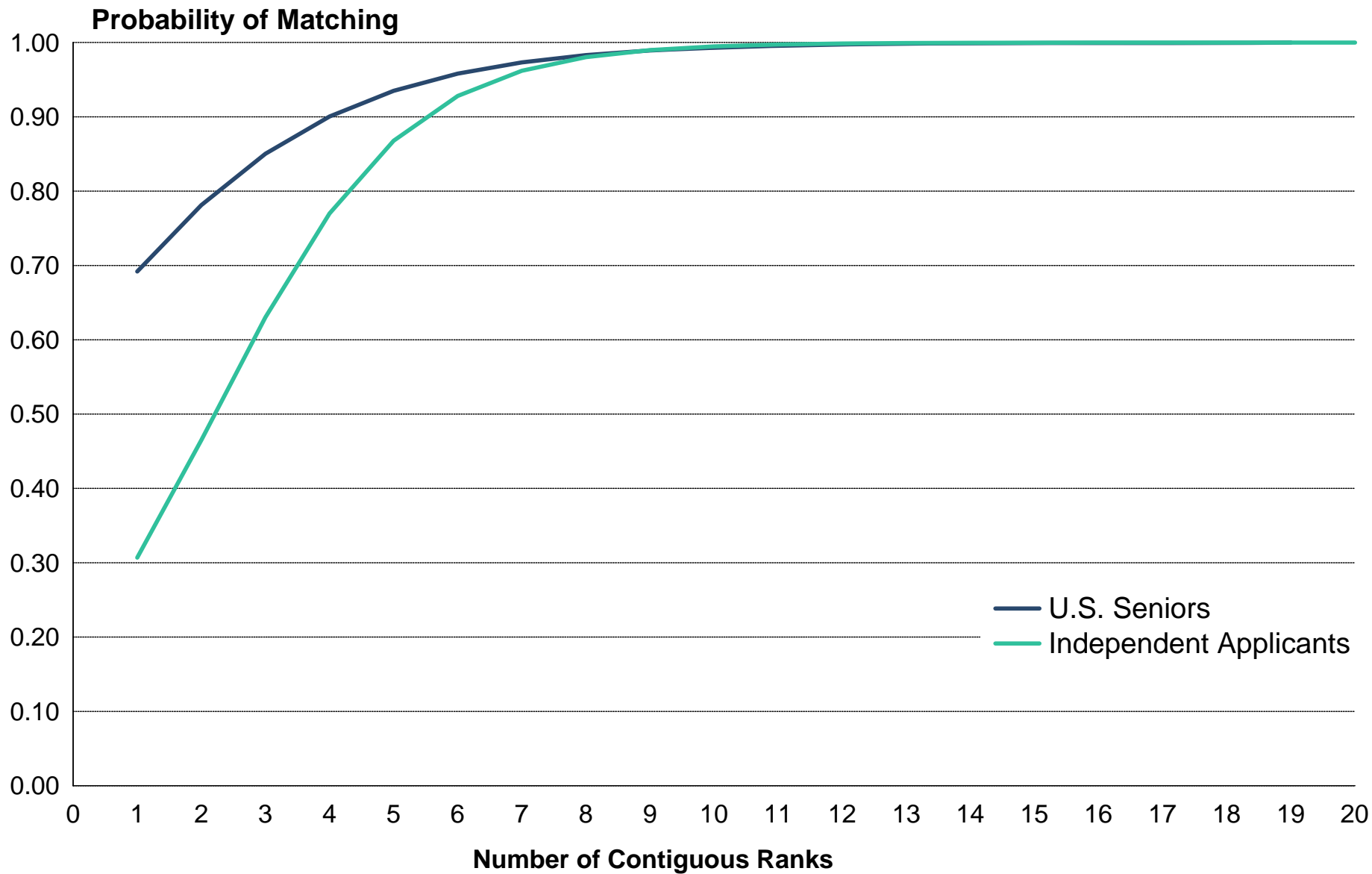
**Number of Contiguous Ranks Within Preferred Specialty  
Internal Medicine/Pediatrics**



Source: NRMP Data Warehouse

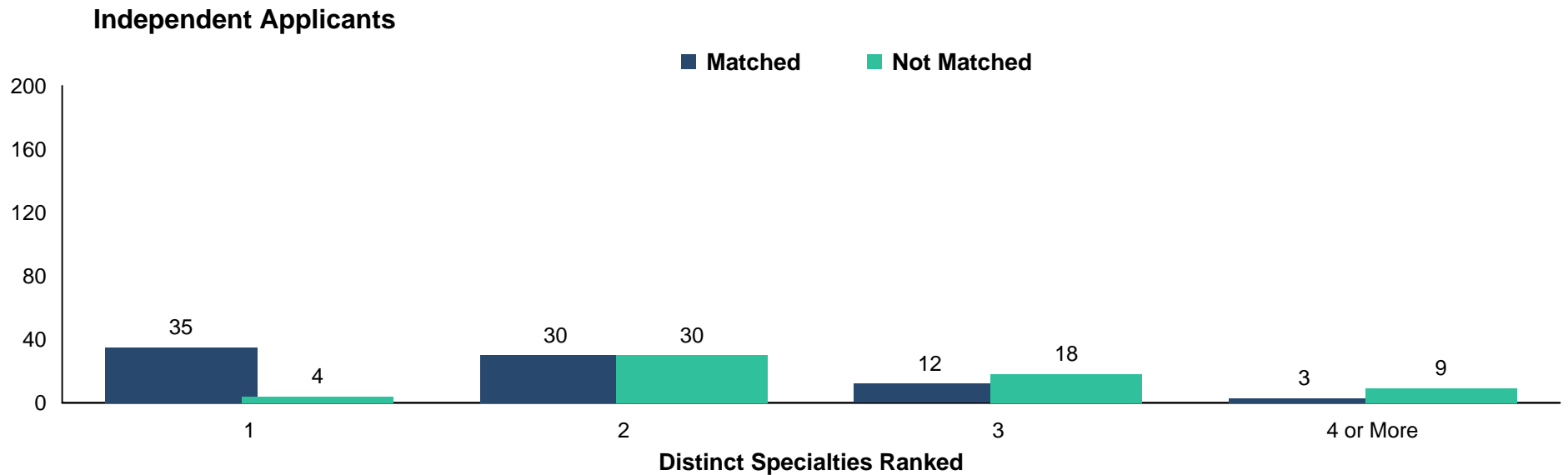
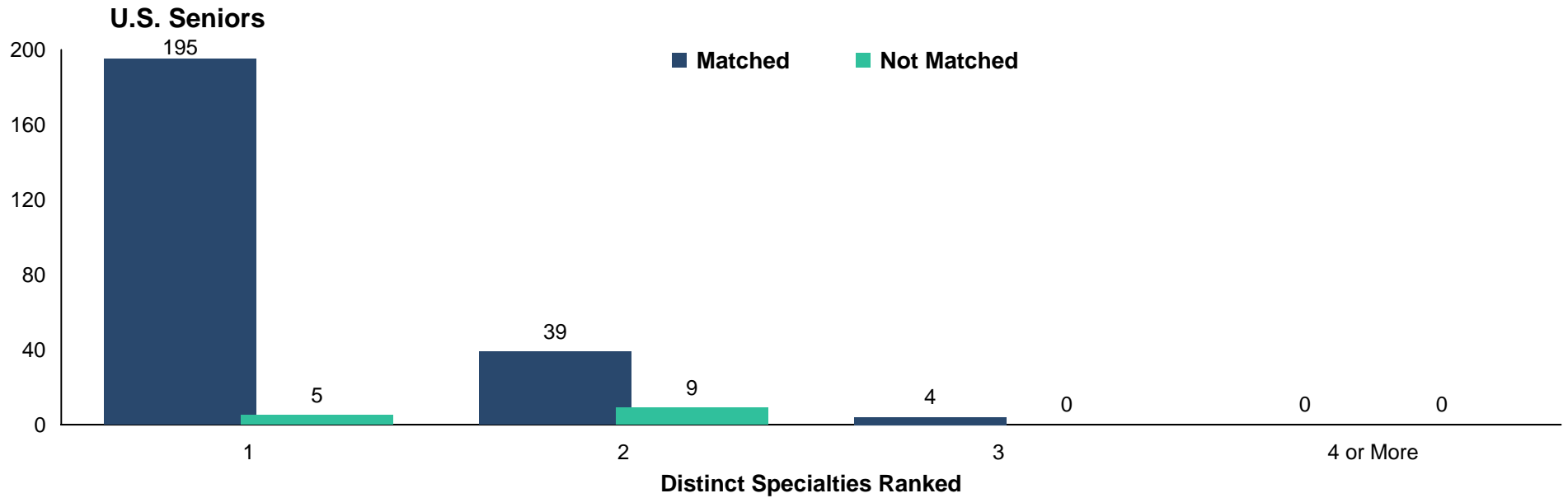
# Probability of Matching to Preferred Specialty by Number of Contiguous Ranks

## Internal Medicine/Pediatrics

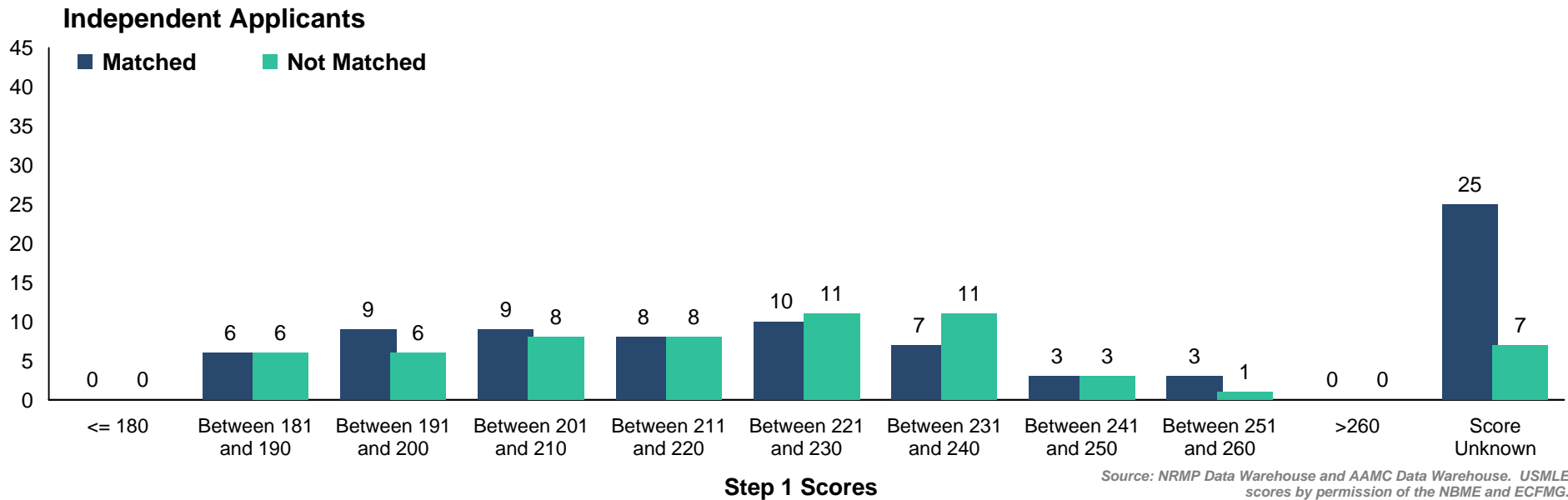
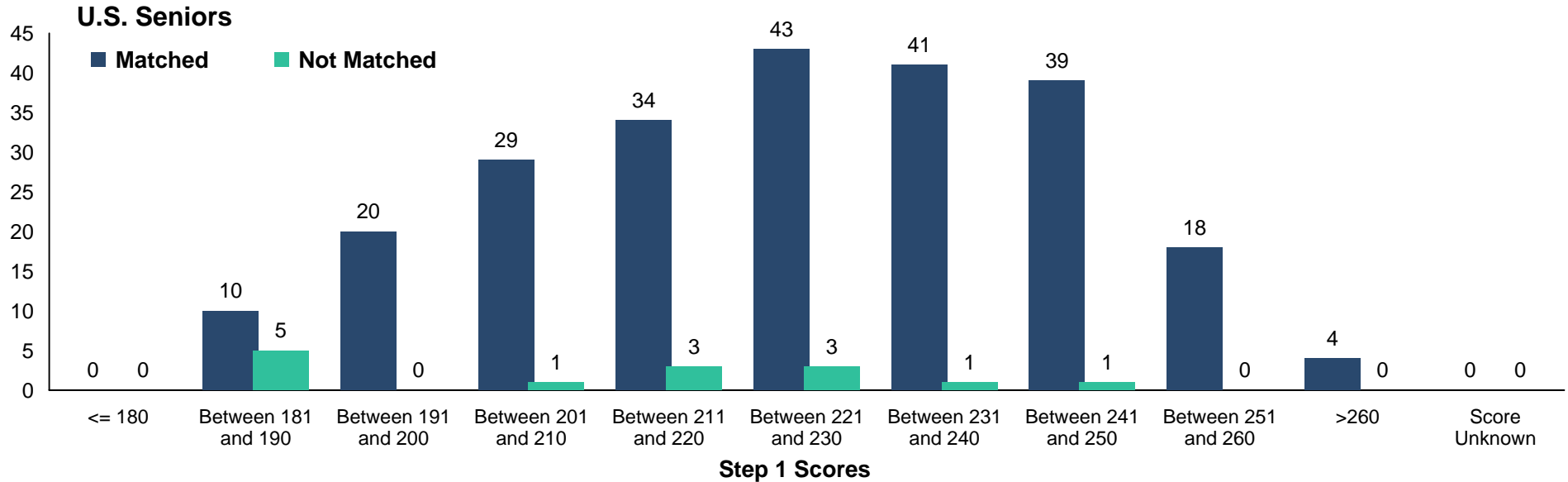


Source: NRMP Data Warehouse. Note: Probabilities calculated based on 2007-2009 applicants.

**Number of Distinct Specialties Ranked**  
*Internal Medicine/Pediatrics*



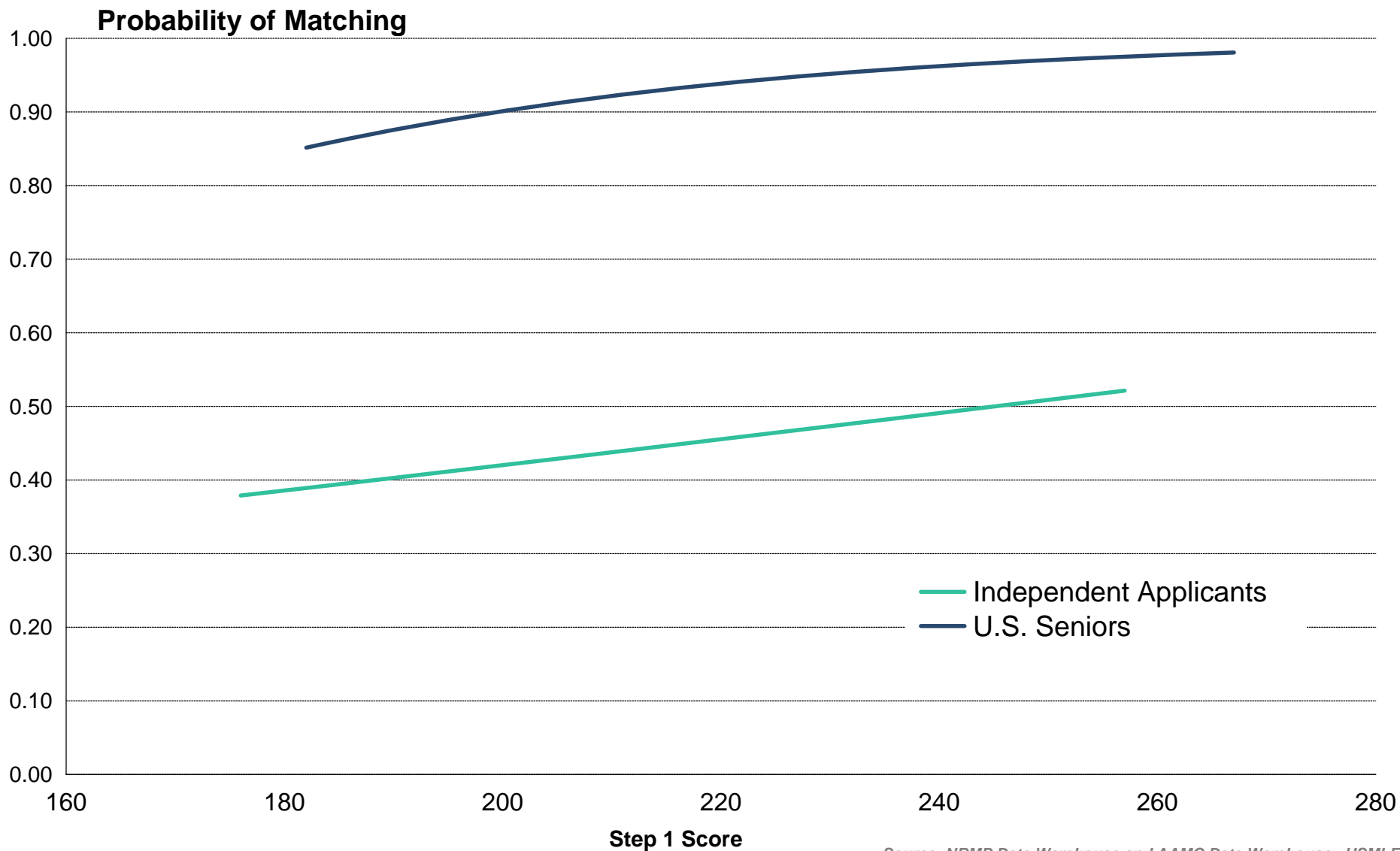
Source: NRMP Data Warehouse



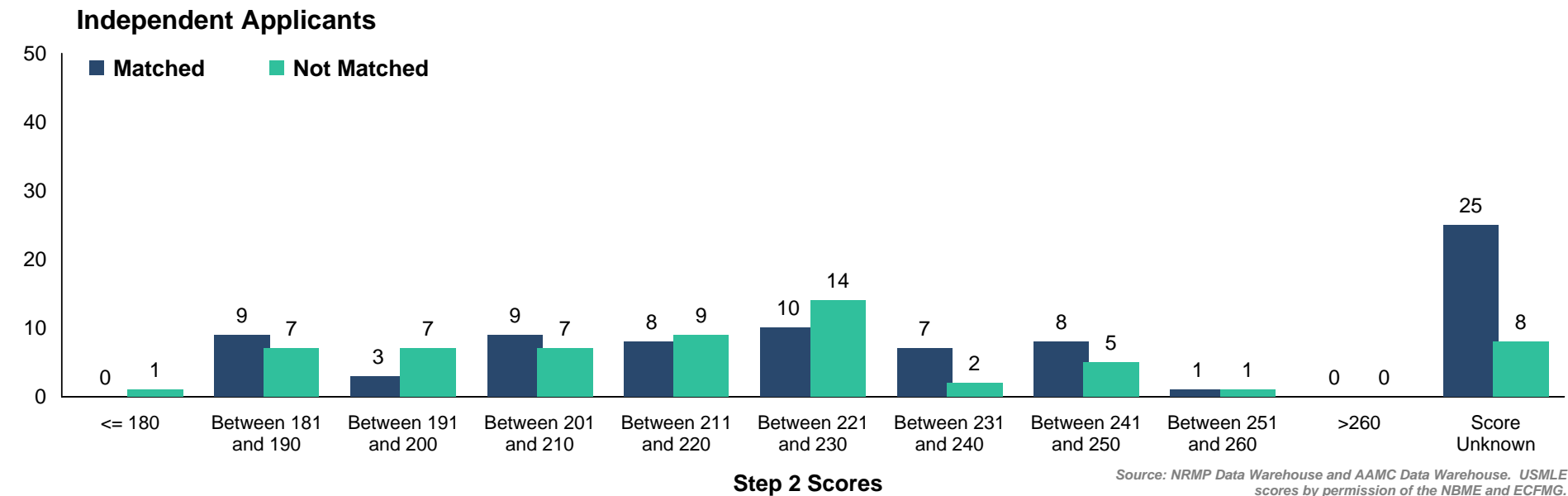
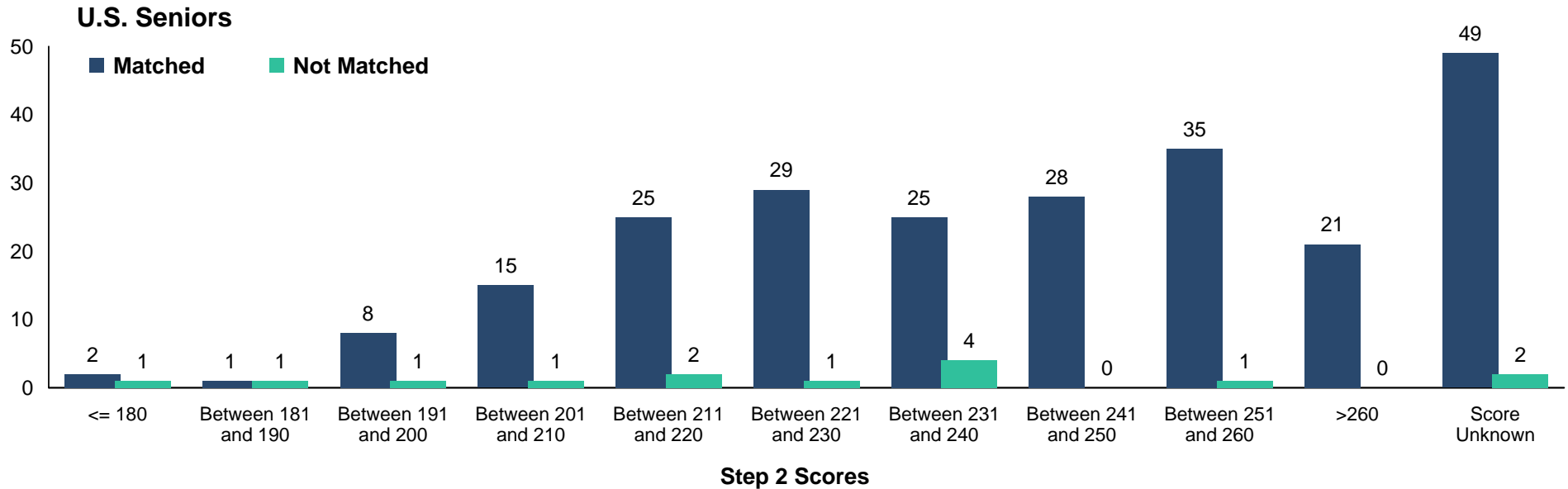
Source: NRMP Data Warehouse and AAMC Data Warehouse. USMLE scores by permission of the NBME and ECFMG.

# Probability of Matching to Preferred Specialty by USMLE Step 1 Score

## Internal Medicine/Pediatrics



Source: NRMP Data Warehouse and AAMC Data Warehouse. USMLE scores by permission of the NBME and ECFMG. Note: Probabilities calculated based on 2007-2009 applicants.

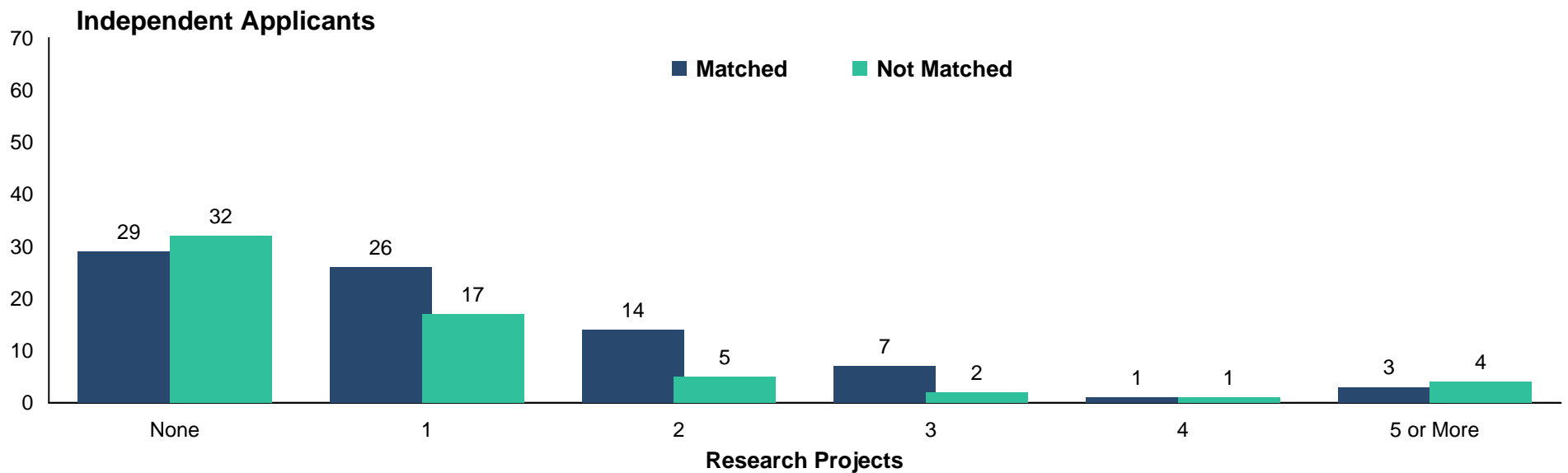
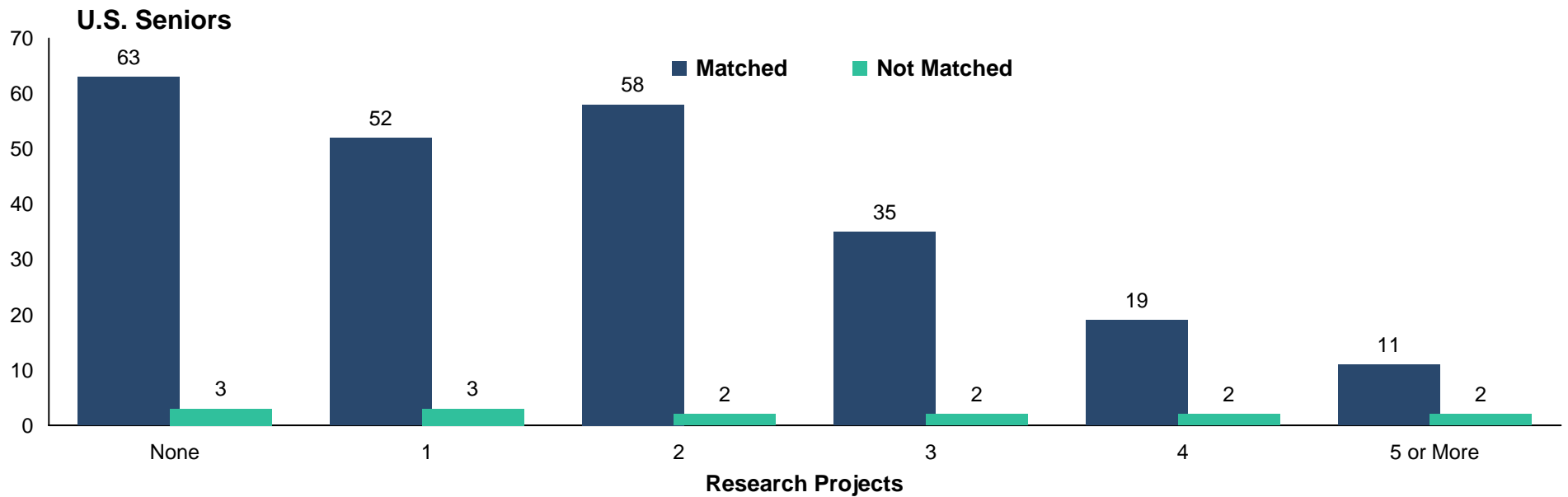


Source: NRMP Data Warehouse and AAMC Data Warehouse. USMLE scores by permission of the NBME and ECFMG.



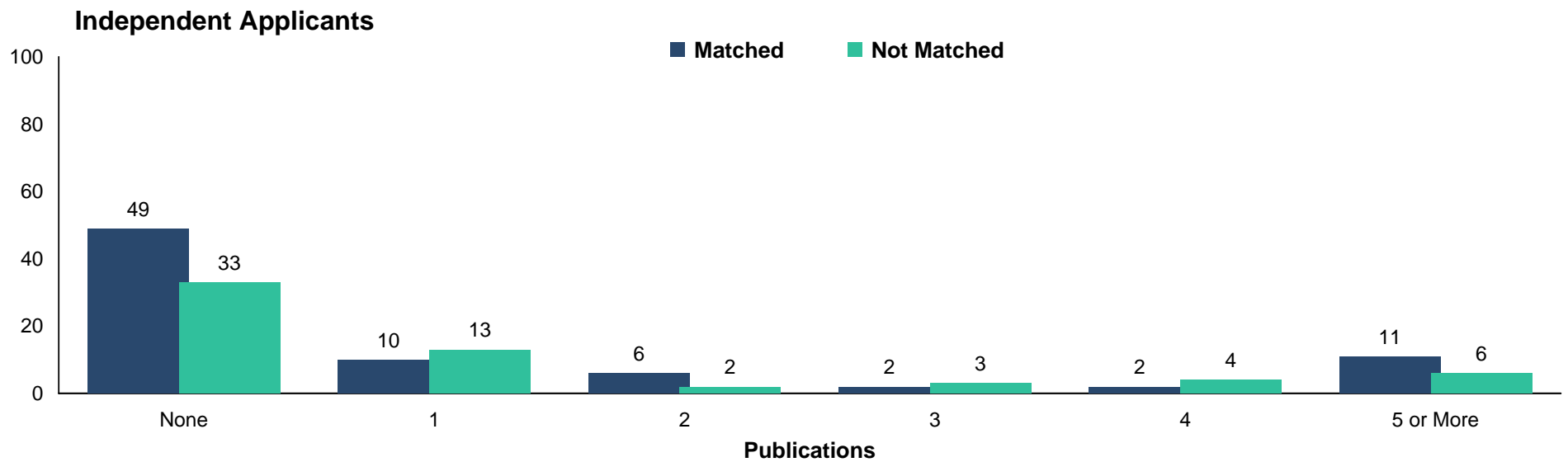
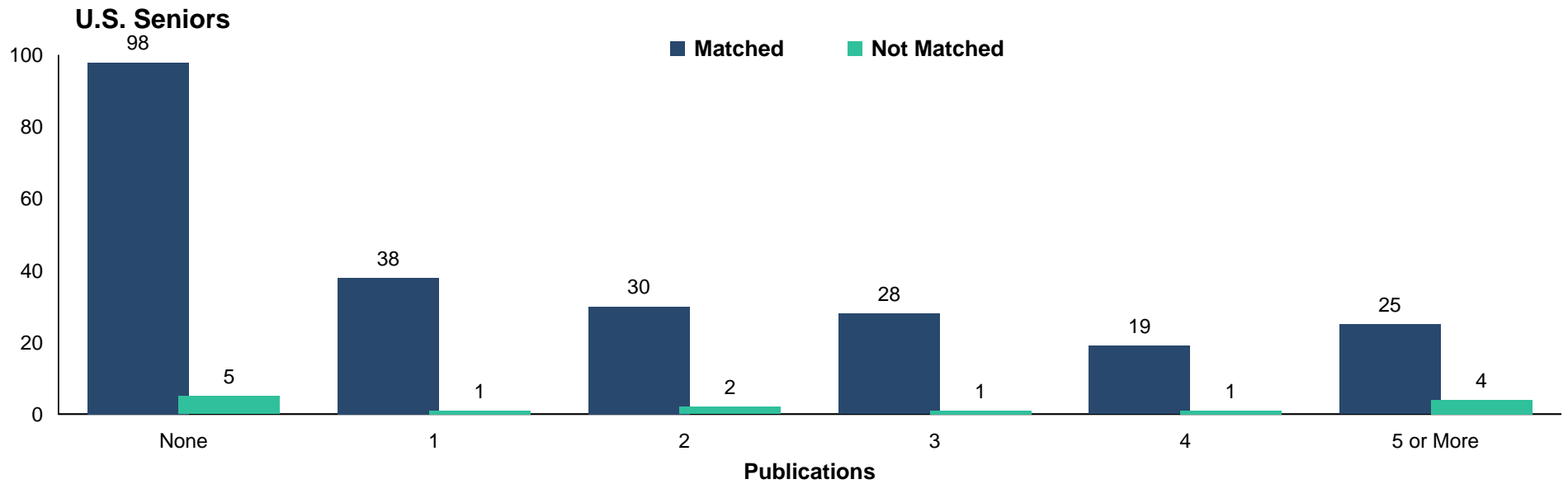
**Chart  
IP-5**

**Number of Research Projects  
Internal Medicine/Pediatrics**



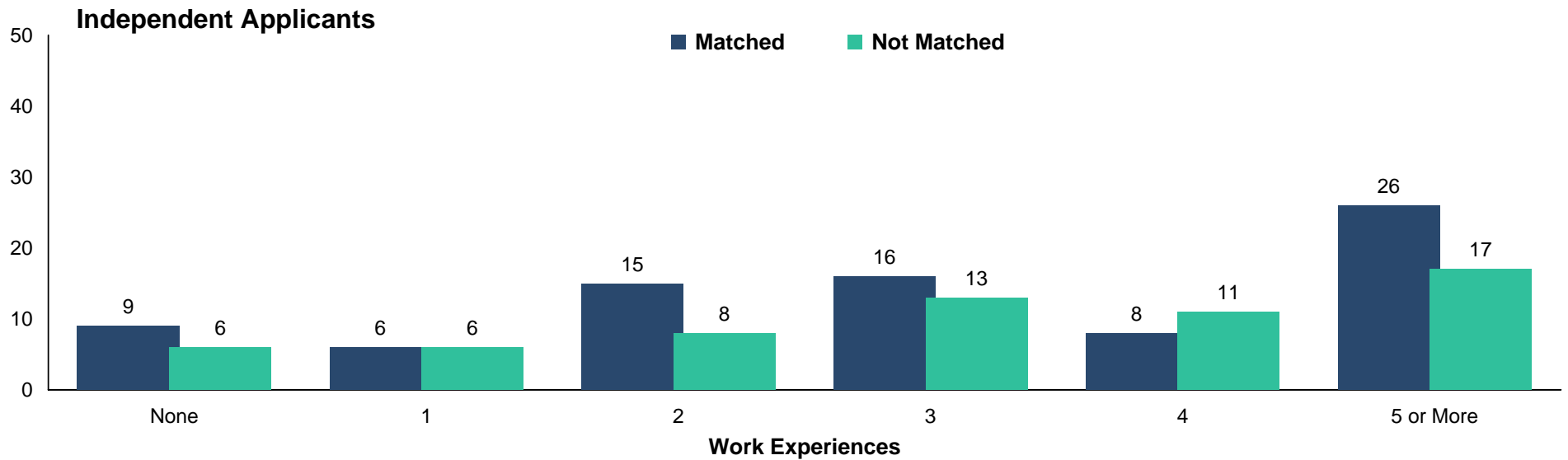
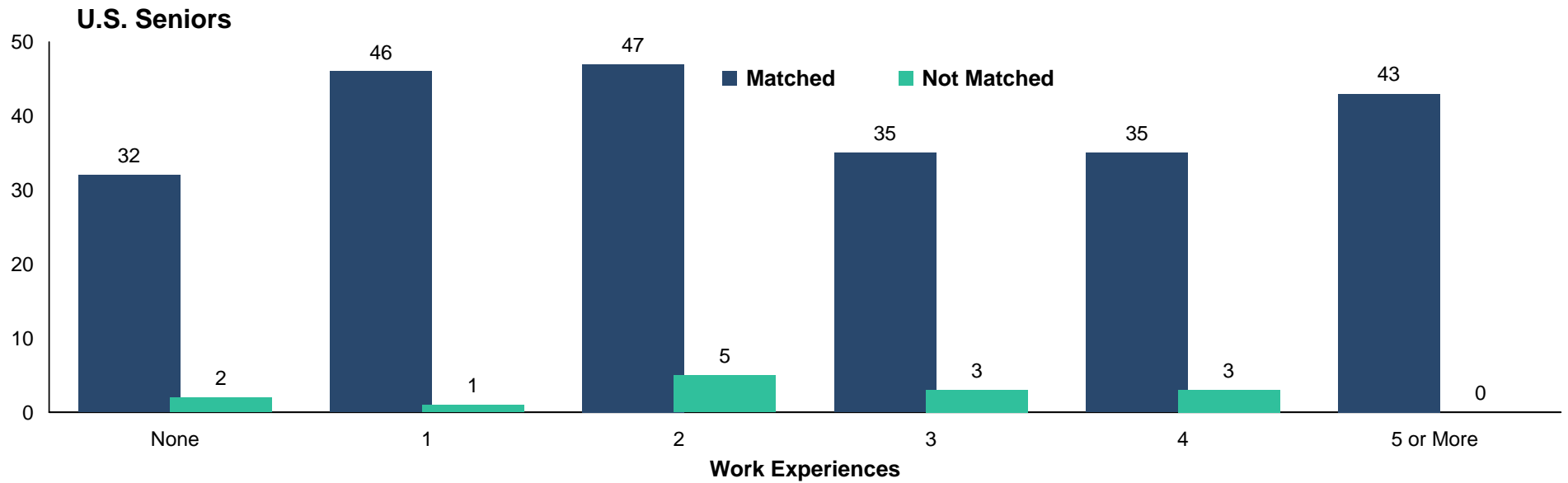
Source: NRMP Data Warehouse and AAMC Data Warehouse

**Number of Abstracts, Presentations, and Publications**  
*Internal Medicine/Pediatrics*



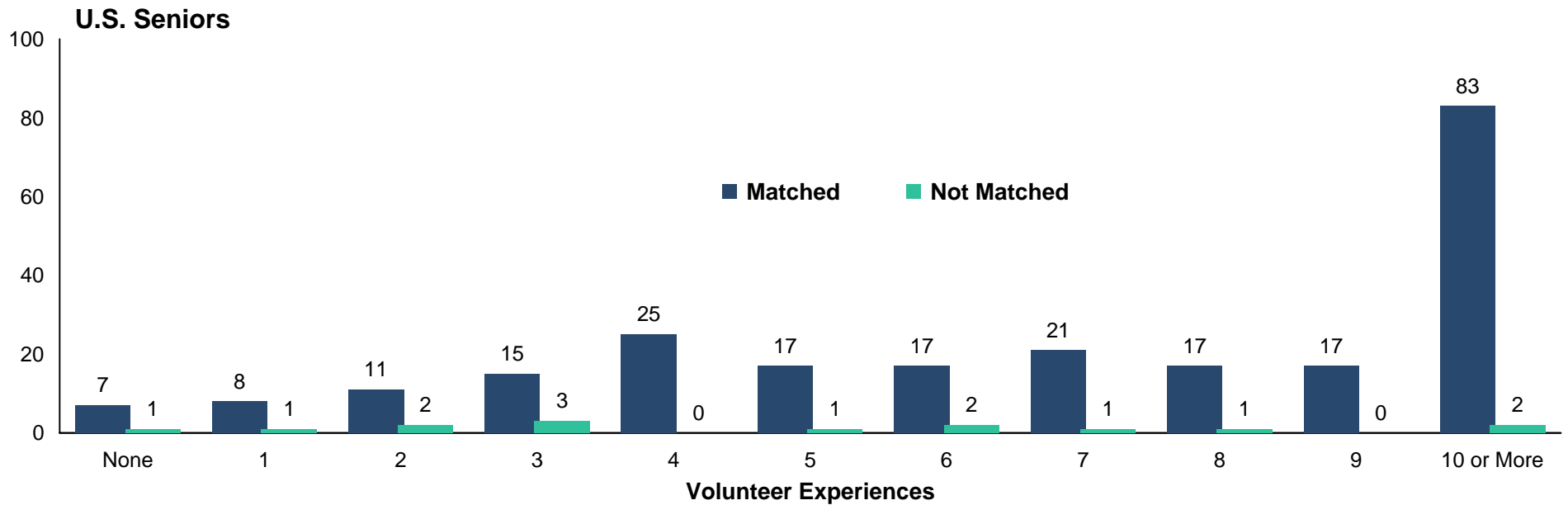
Source: NRMP Data Warehouse and AAMC Data Warehouse

**Number of Work Experiences  
Internal Medicine/Pediatrics**



Source: NRMP Data Warehouse and AAMC Data Warehouse

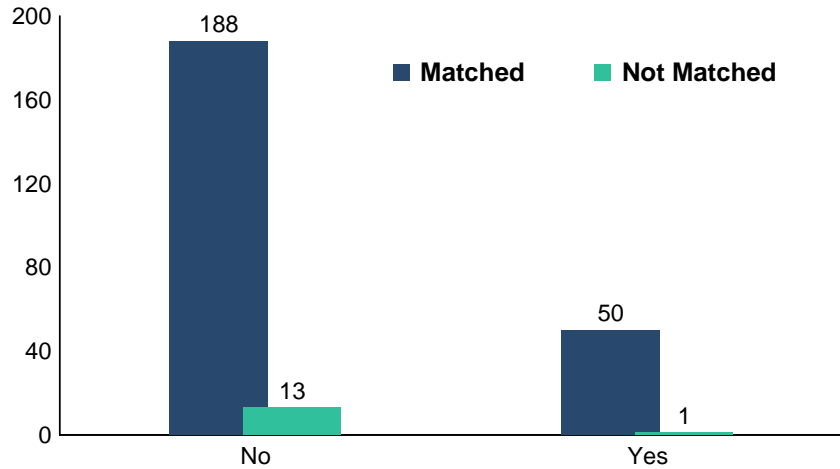
**Number of Volunteer Experiences**  
*Internal Medicine/Pediatrics*



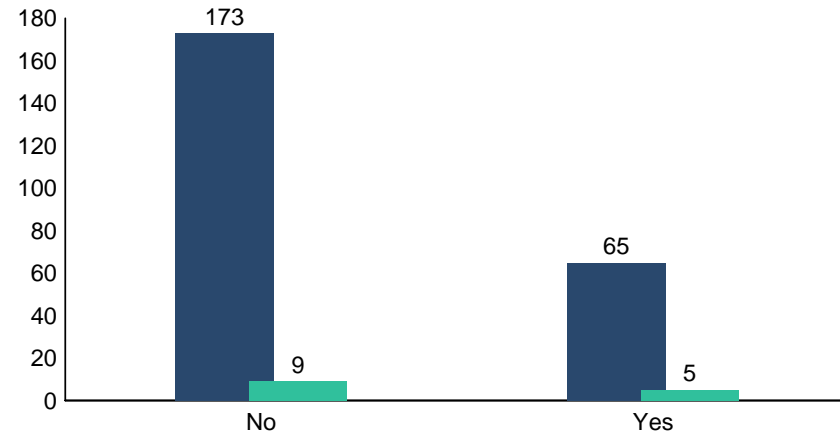
Source: NRMP Data Warehouse and AAMC Data Warehouse.

**Other Characteristics of U.S. Seniors  
Internal Medicine/Pediatrics**

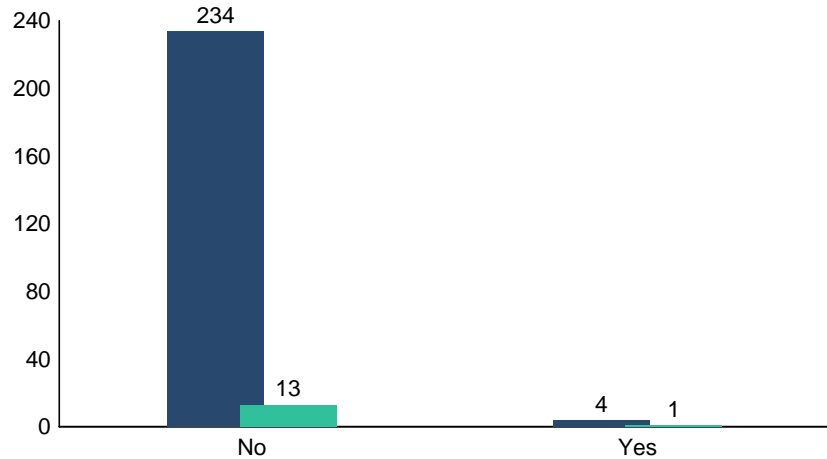
**AOA Membership**



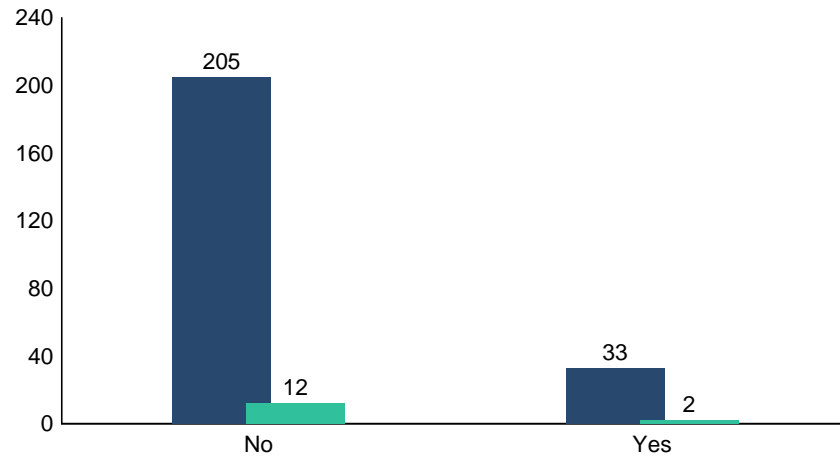
**Graduate of One of the 40 U.S. Medical Schools with the Highest NIH Funding**



**Ph.D. Degree**



**Other Graduate Degree**



Sources: AOA membership from the AAMC Data Warehouse, NIH awards from <http://report.nih.gov/award/trends/AggregateData.cfm> Medical Schools Only.xls, Ph.D. and other graduate degrees from the AAMC Data Warehouse

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**NS** **Neurological Surgery**

**Table NS-1** **Summary Statistics**  
**Neurological Surgery**

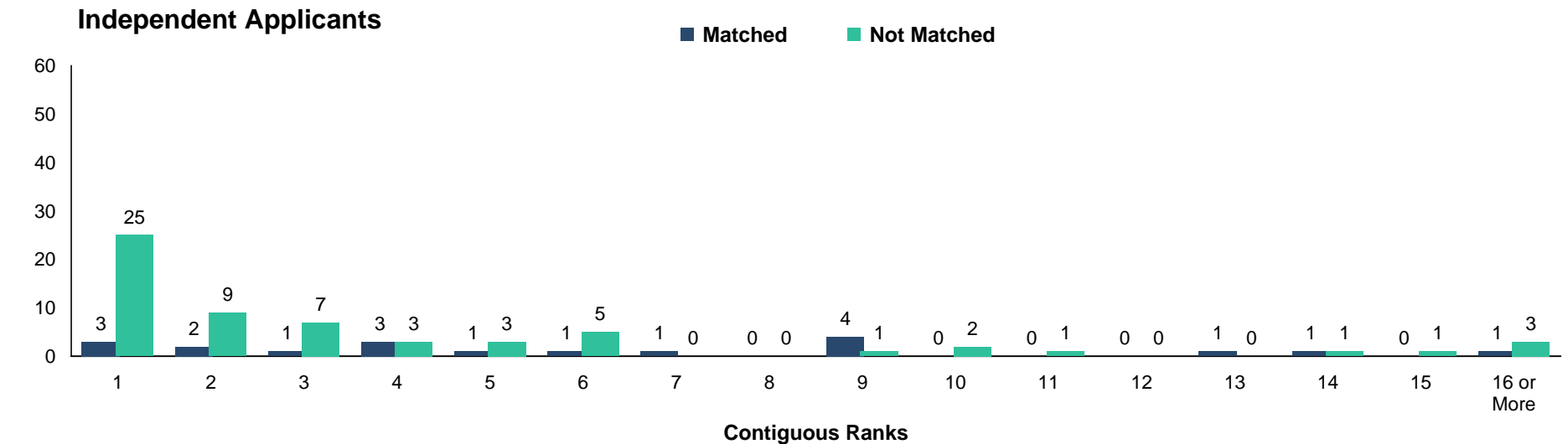
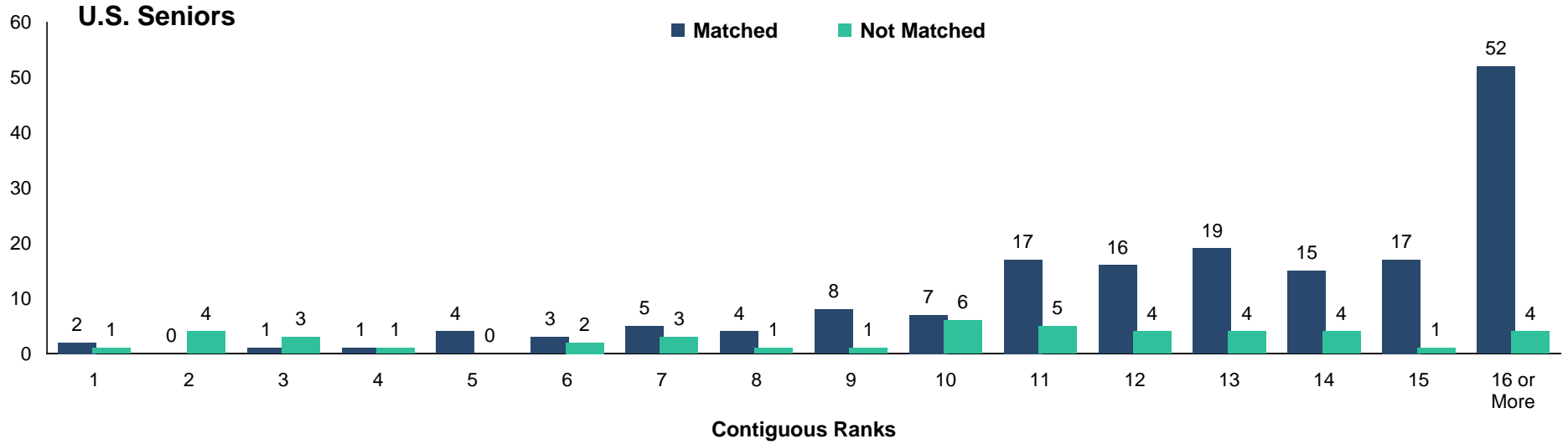
Measure	U.S. Seniors		Independent Applicants	
	Matched (n=171)	Unmatched (n=44)	Matched (n=19)	Unmatched (n=61)
1. Mean number of contiguous ranks	13.5	9.9	6.4	4.1
2. Mean number of distinct specialties ranked	1.0	1.3	1.4	1.6
3. Mean USMLE Step 1 score	239	224	234	223
4. Mean USMLE Step 2 score	237	214	238	225
5. Mean number of research experiences	3.3	2.8	2.1	1.8
6. Mean number of abstracts, presentations, and publications	7.8	5.5	9.4	5.5
7. Mean number of work experiences	2.5	2.0	2.7	3.1
8. Mean number of volunteer experiences	5.0	4.7	2.2	2.0
9. Percentage who are AOA members	28.1	11.4	n/a	n/a
10. Percentage who graduated from one of the 40 U.S. medical schools with the highest NIH funding	50.3	31.8	n/a	n/a
11. Percentage who have Ph.D. degree	11.7	9.1	n/a	n/a
12. Percentage who have another graduate degree	14.0	18.2	n/a	n/a

n/a: The measure either does not apply to, applies to only a small percentage of, or no reliable data were available for independent applicants.

Sources. Measures 1, 2, and match outcome are from the NRMP Data Warehouse; measures 3 and 4 are from the AAMC Data Warehouse and from the ECFMG, both by permission of the NBME and ECFMG; measures 5-9 are from the AAMC Data Warehouse; measure 10 is from the NIH website (<http://report.nih.gov/award/trends/AggregateDate.cfm> Medical Schools Only.xls); and measures 11 and 12 are from the AAMC Data Warehouse.

Note: USMLE Step 1 scores are not available for most osteopathic medical school graduates included in the independent applicant group. Approximately 30 percent of U.S. allopathic medical school seniors do not take the USMLE Step 2 prior to the Match.

**Number of Contiguous Ranks Within Preferred Specialty  
Neurological Surgery**

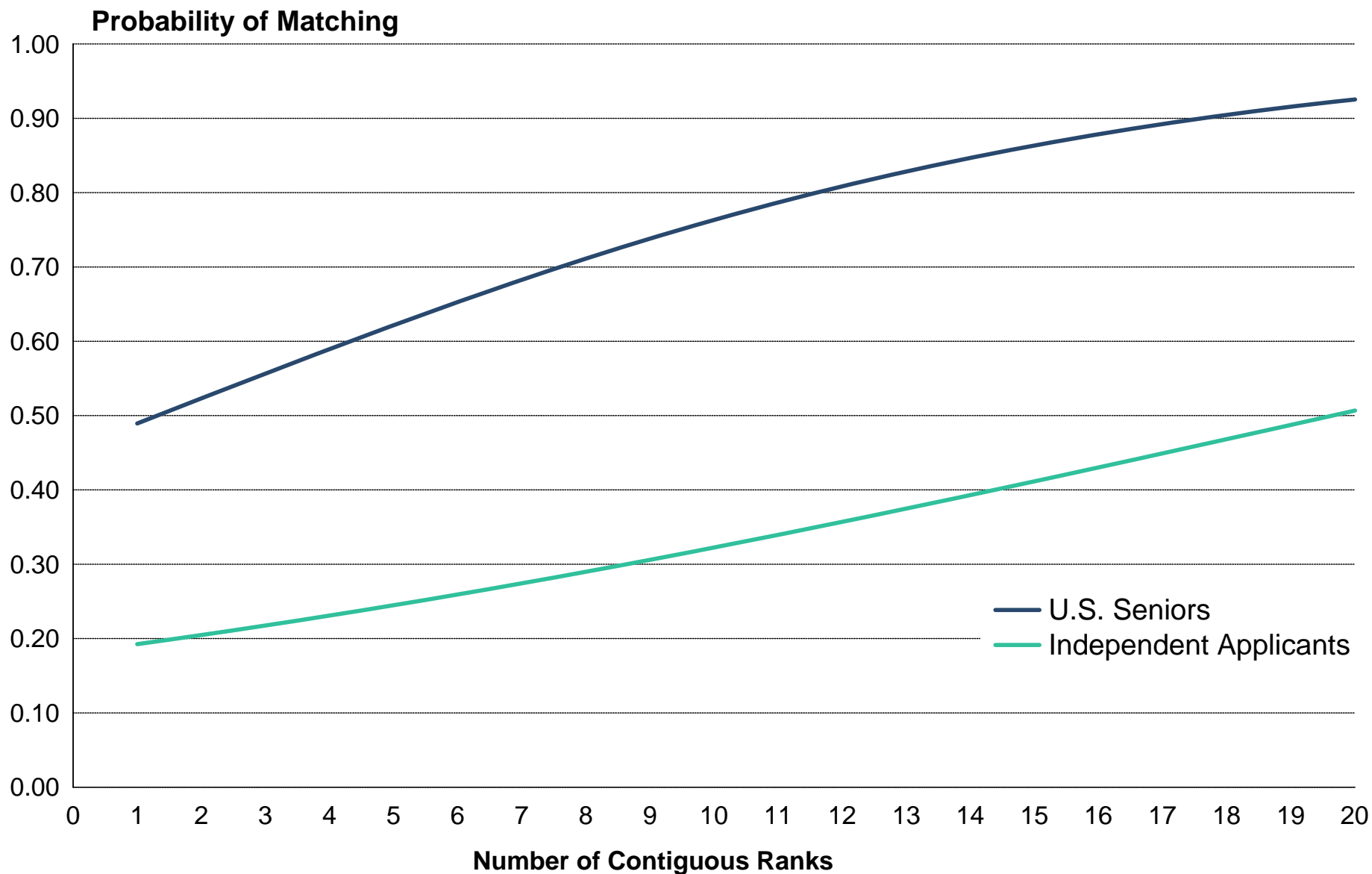


Source: NRMP Data Warehouse



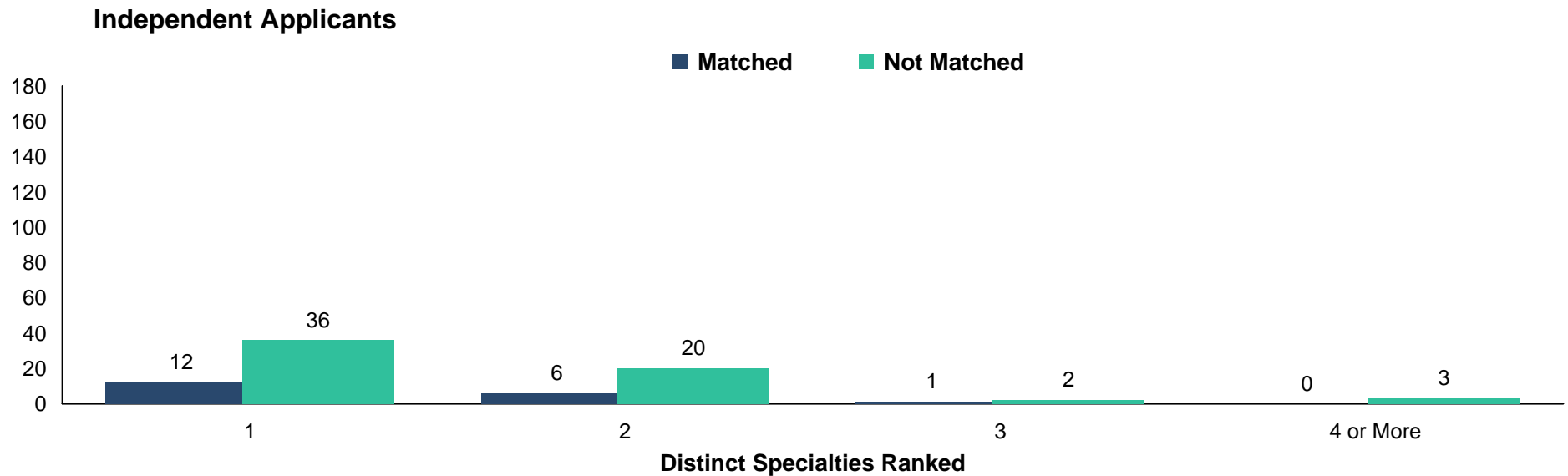
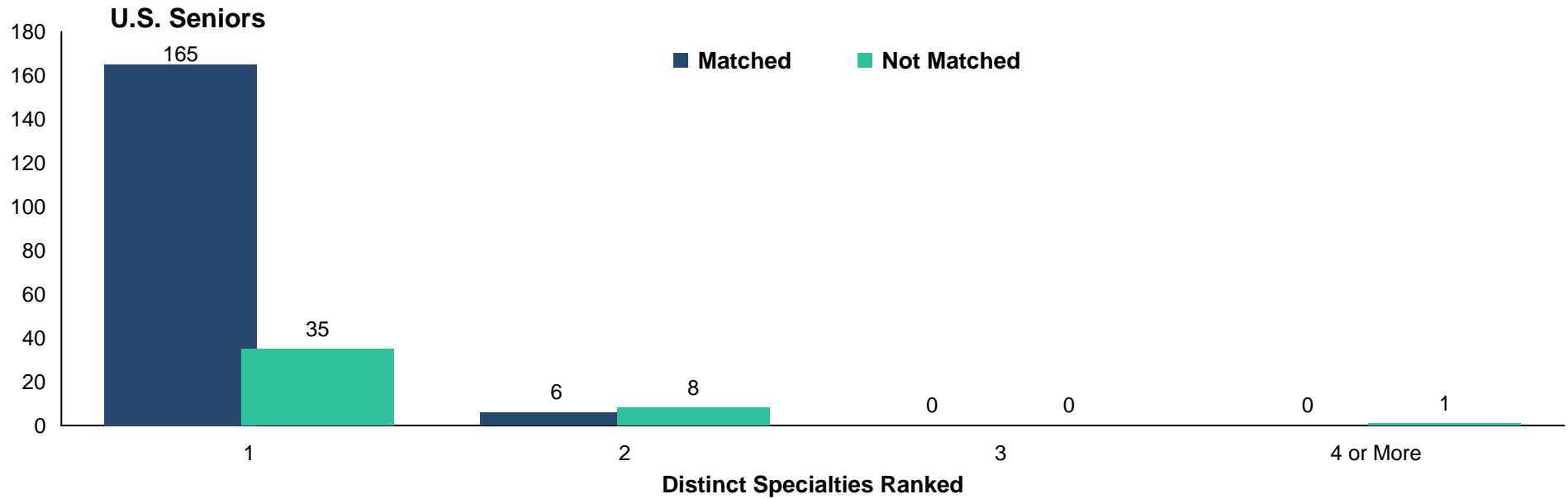
# Probability of Matching to Preferred Specialty by Number of Contiguous Ranks

## Neurological Surgery

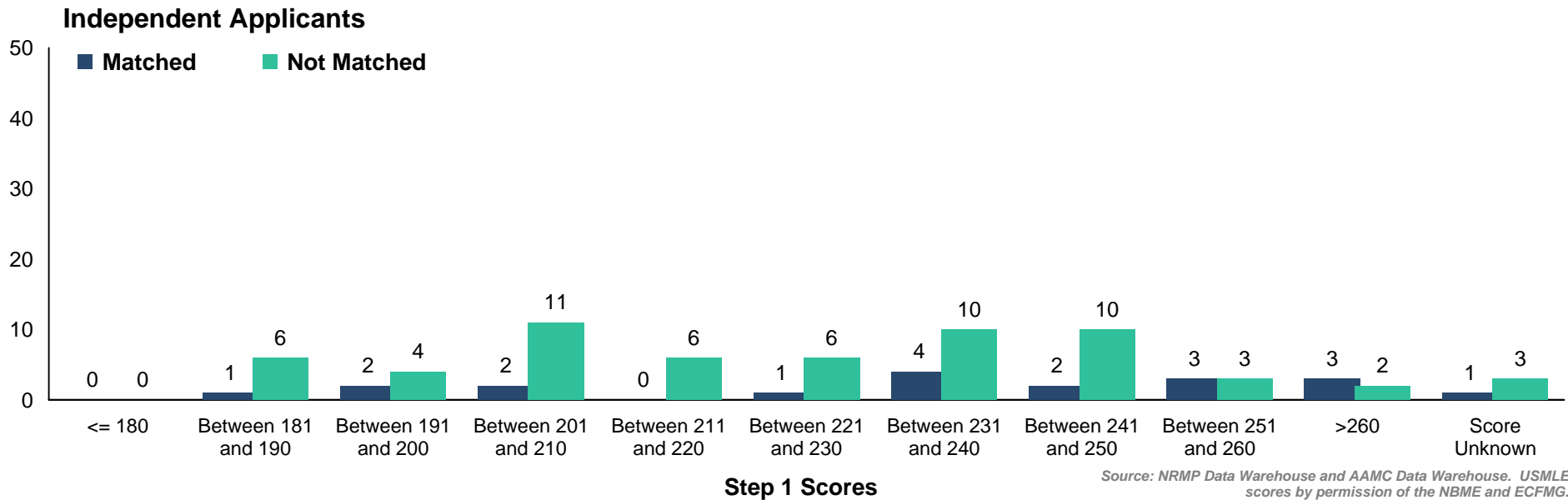
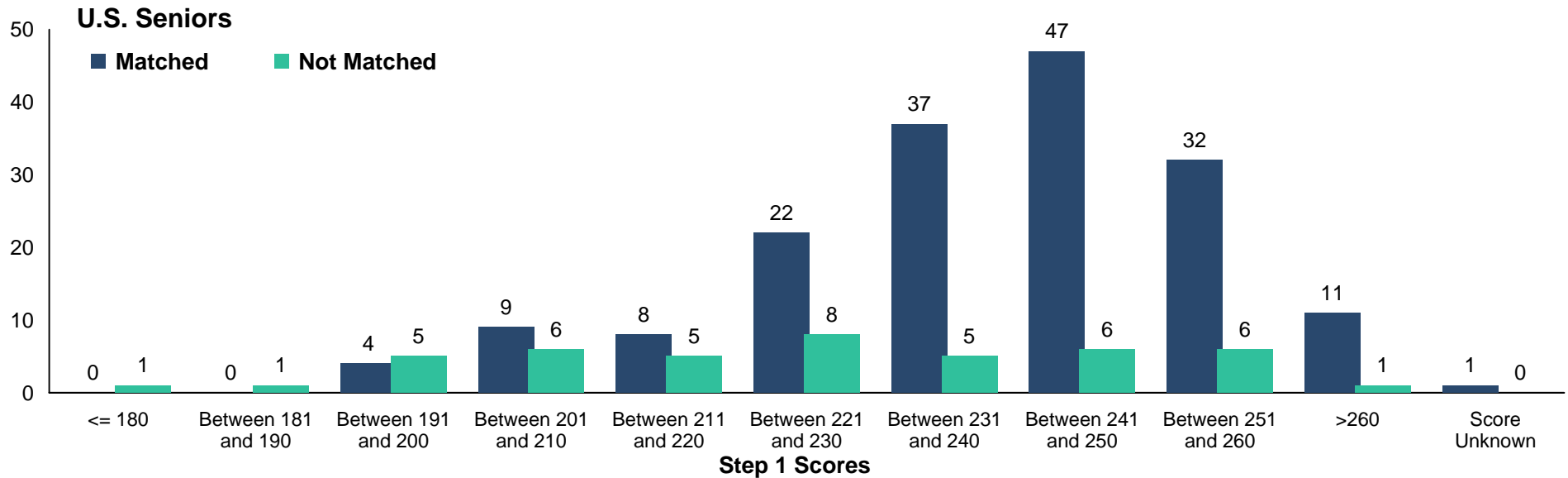


Source: NRMP Data Warehouse. Note: Probabilities calculated based on 2007-2009 applicants.

**Number of Distinct Specialties Ranked**  
*Neurological Surgery*



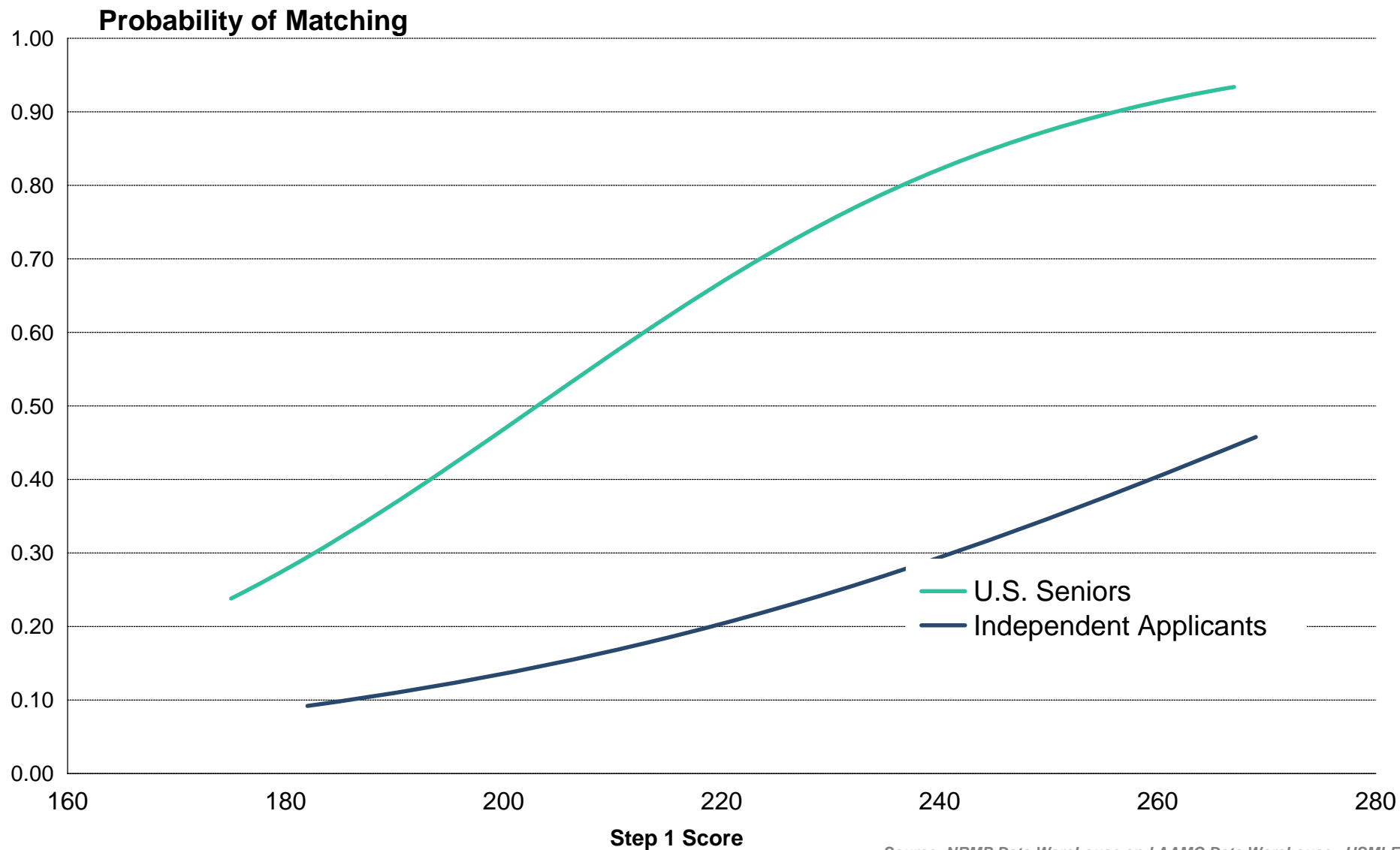
Source: NRMP Data Warehouse



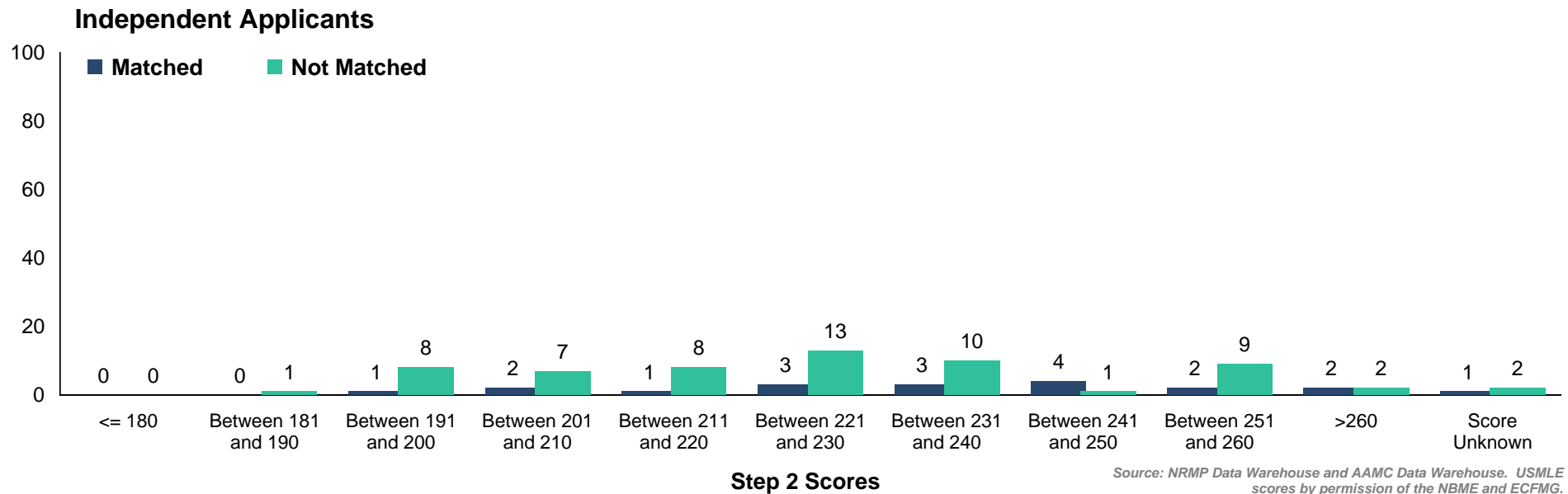
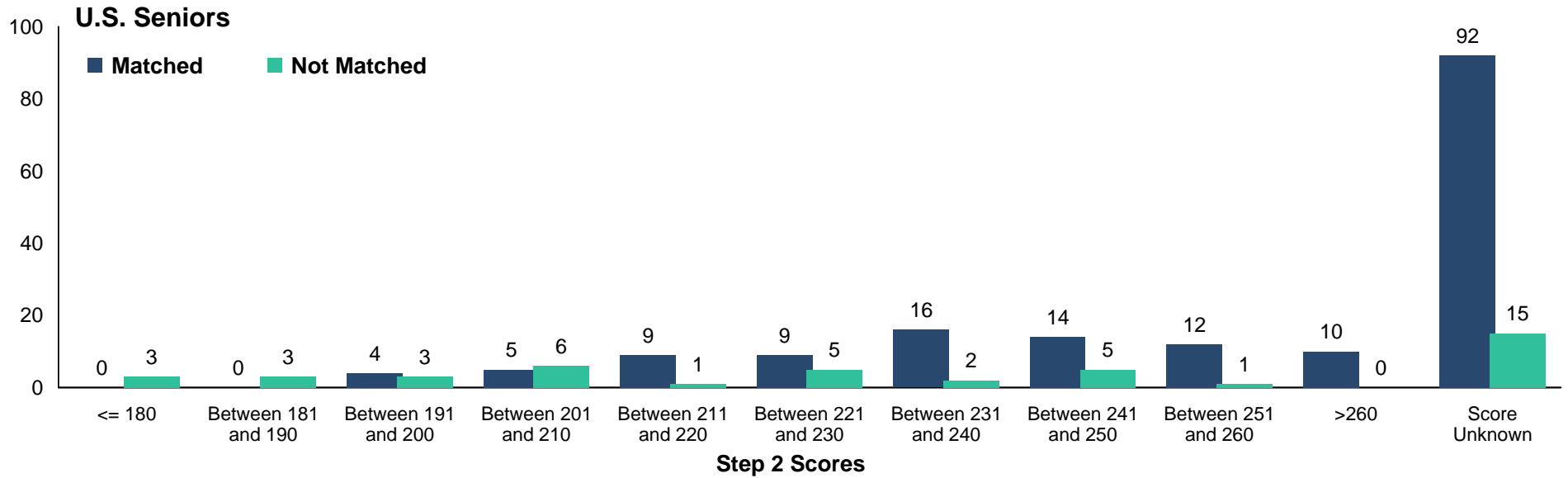
Source: NRMP Data Warehouse and AAMC Data Warehouse. USMLE scores by permission of the NBME and ECFMG.

# Probability of Matching to Preferred Specialty by USMLE Step 1 Score

## Neurological Surgery



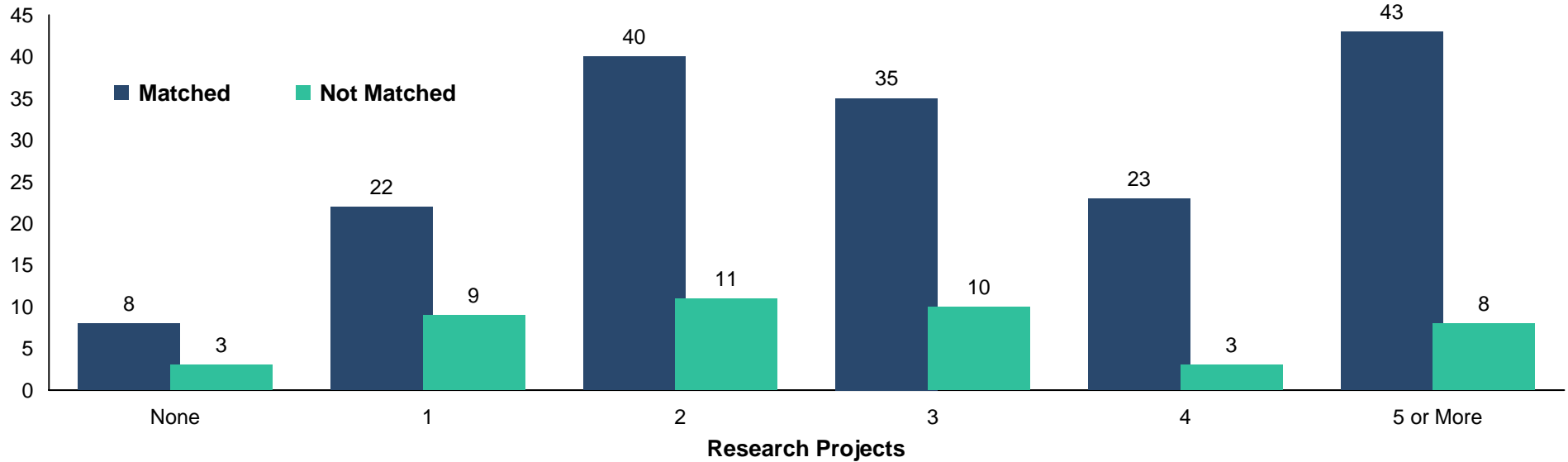
Source: NRMP Data Warehouse and AAMC Data Warehouse. USMLE scores by permission of the NBME and ECFMG. Note: Probabilities calculated based on 2007-2009 applicants.



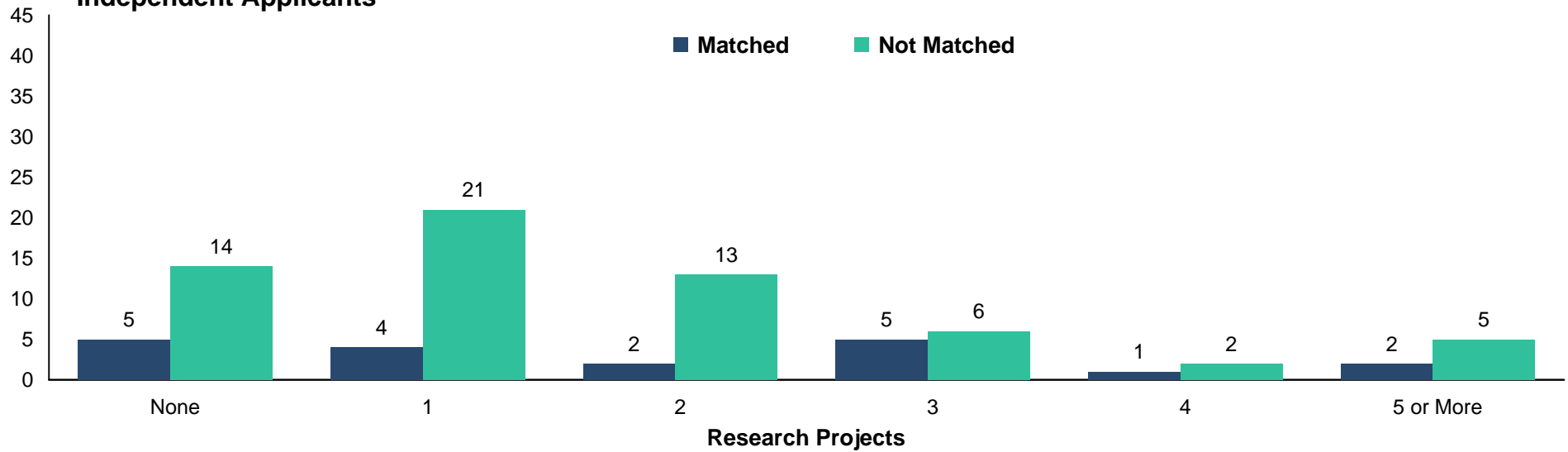
Source: NRMP Data Warehouse and AAMC Data Warehouse. USMLE scores by permission of the NBME and ECFMG.

**Number of Research Projects  
Neurological Surgery**

**U.S. Seniors**

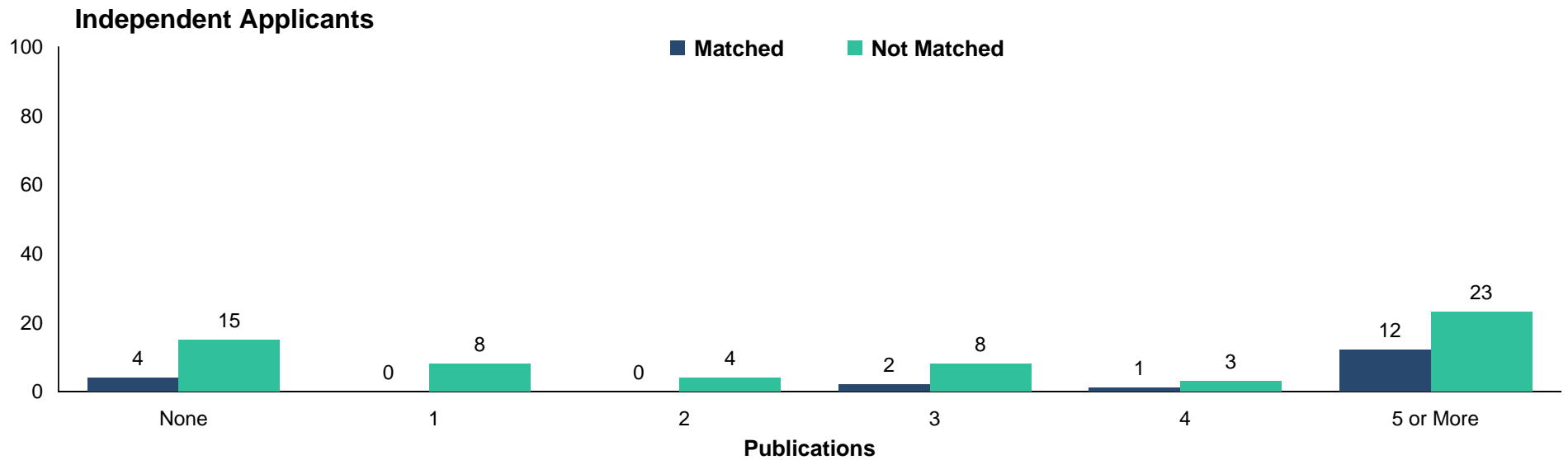
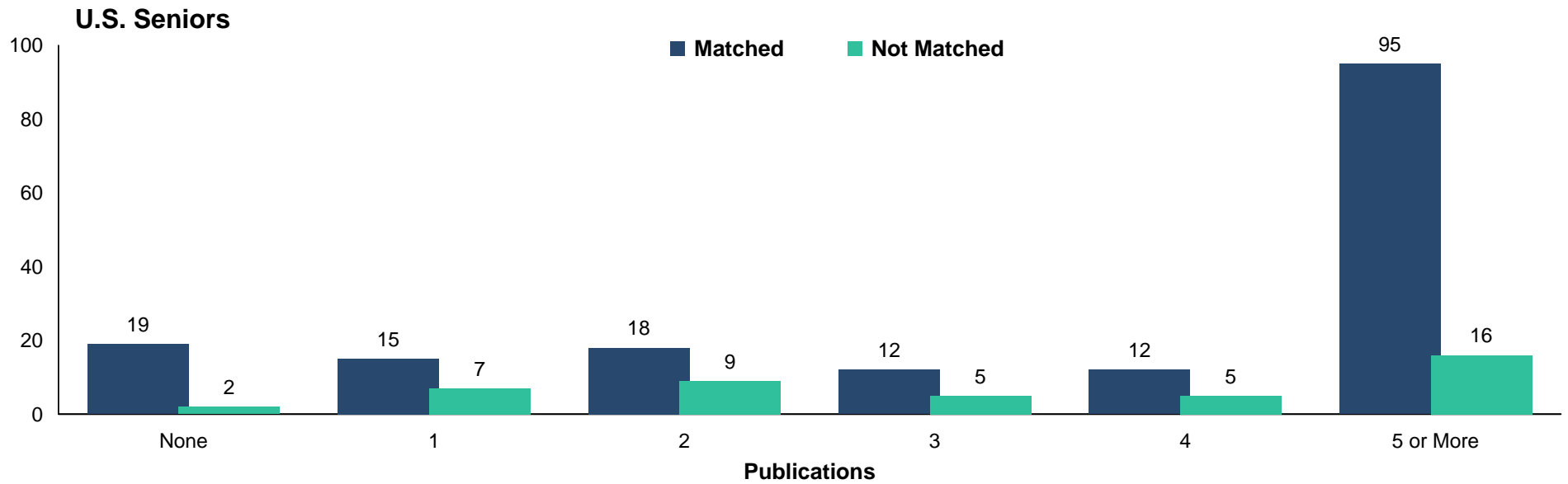


**Independent Applicants**



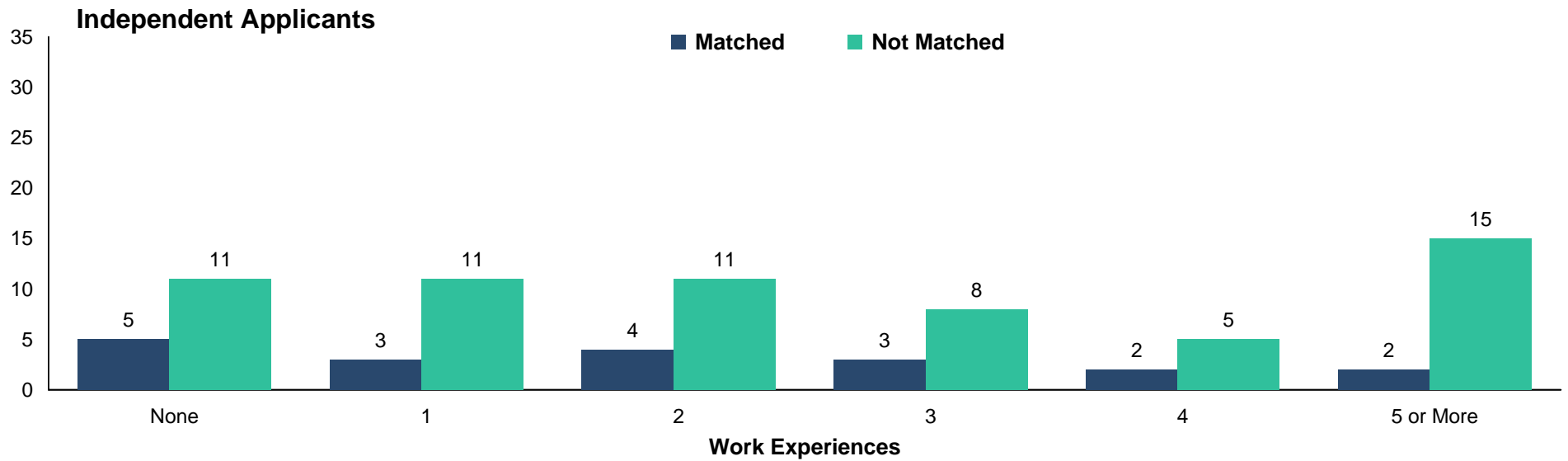
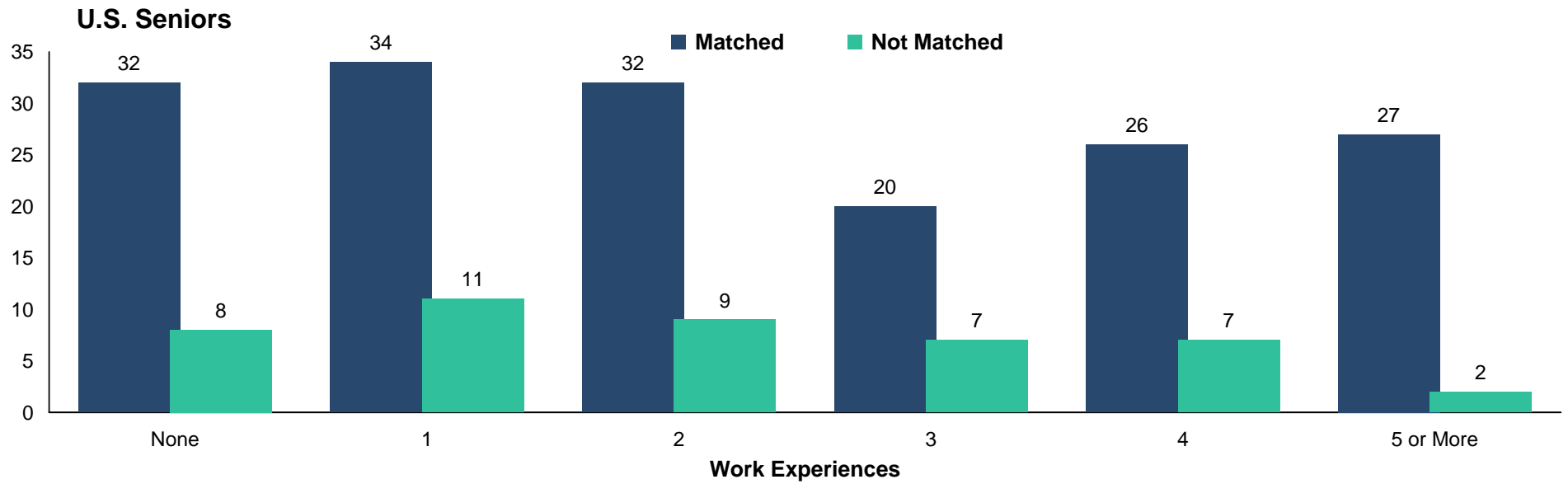
Source: NRMP Data Warehouse and AAMC Data Warehouse

**Number of Abstracts, Presentations, and Publications  
Neurological Surgery**



Source: NRMP Data Warehouse and AAMC Data Warehouse

**Number of Work Experiences  
Neurological Surgery**

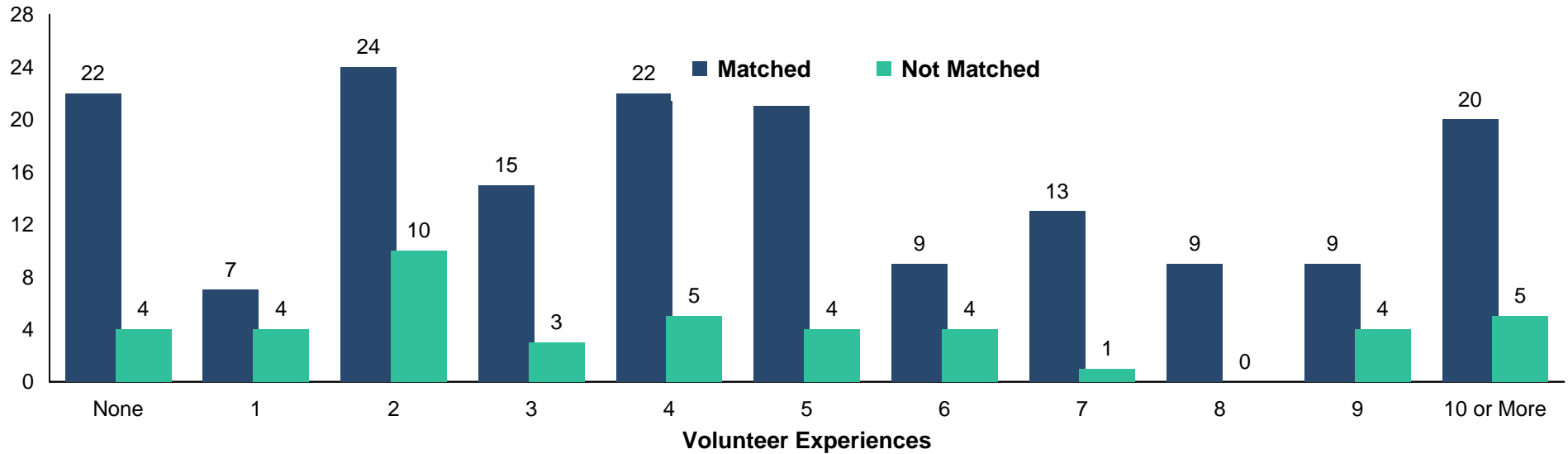


Source: NRMP Data Warehouse and AAMC Data Warehouse

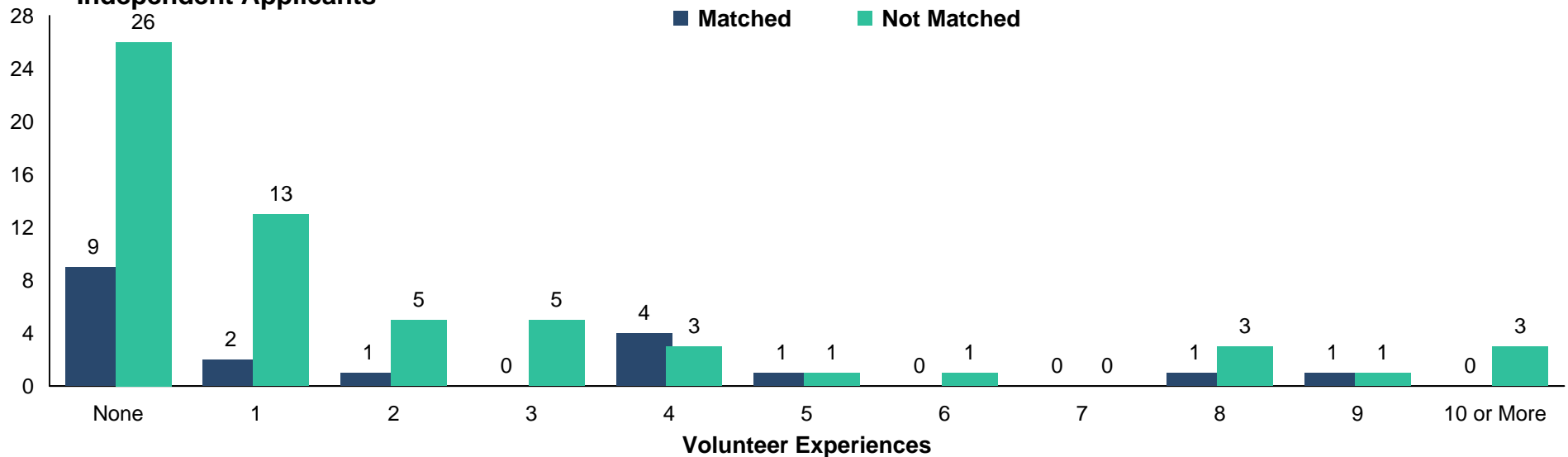


**Number of Volunteer Experiences  
Neurological Surgery**

**U.S. Seniors**



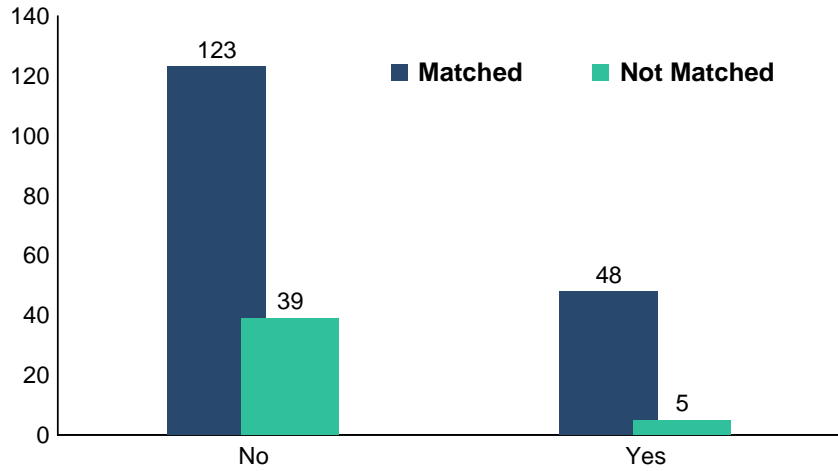
**Independent Applicants**



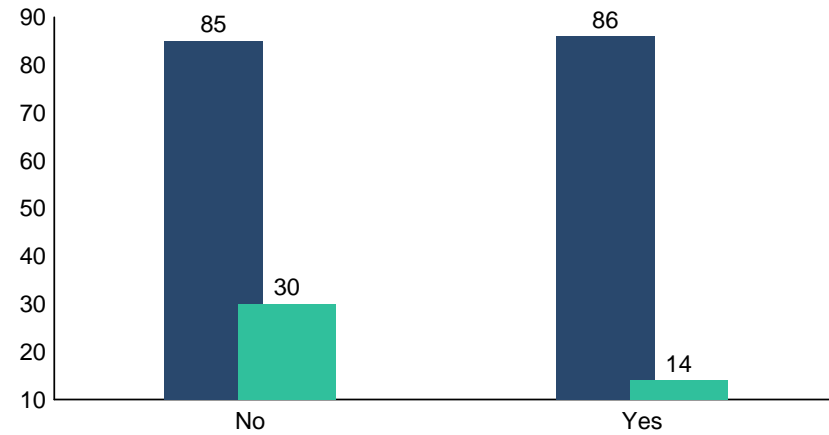
Source: NRMP Data Warehouse and AAMC Data Warehouse.

**Other Characteristics of U.S. Seniors  
Neurological Surgery**

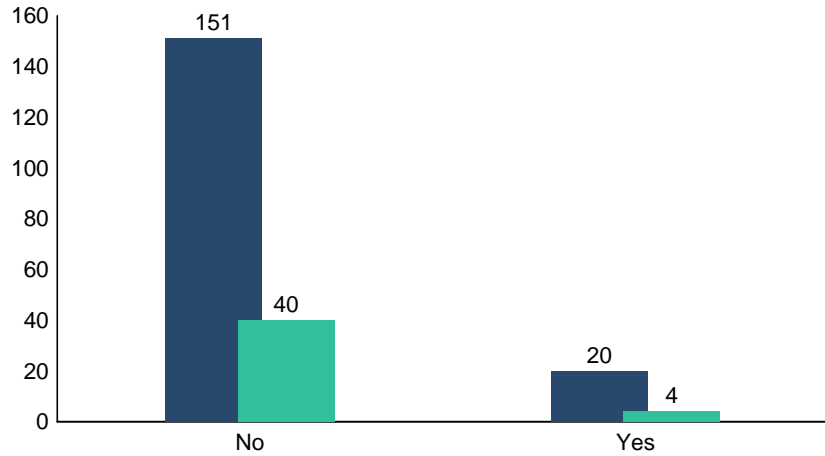
**AOA Membership**



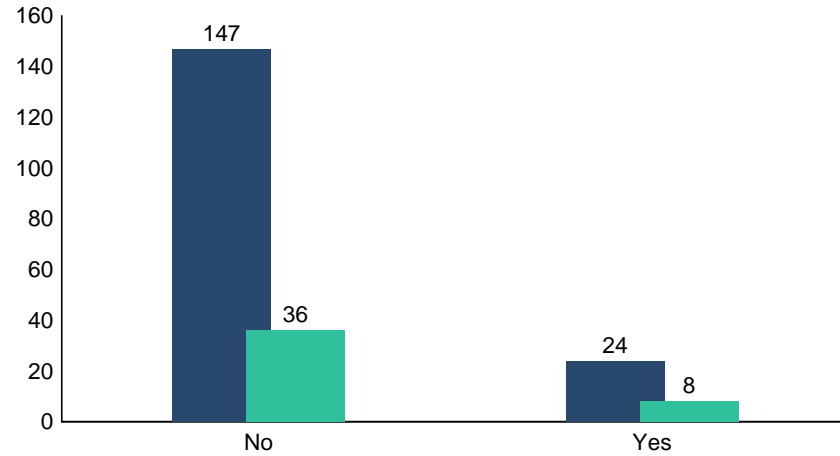
**Graduate of One of the 40 U.S. Medical Schools with the Highest NIH Funding**



**Ph.D. Degree**



**Other Graduate Degree**



Sources: AOA membership from the AAMC Data Warehouse, NIH awards from <http://report.nih.gov/award/trends/AggregateData.cfm> Medical Schools Only.xls, Ph.D. and other graduate degrees from the AAMC Data Warehouse

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**N**

**Neurology**

**Table N-1** **Summary Statistics**  
**Neurology**

Measure	U.S. Seniors		Independent Applicants	
	Matched (n=305)	Unmatched (n=11)	Matched (n=226)	Unmatched (n=162)
1. Mean number of contiguous ranks	9.1	3.4	5.4	2.4
2. Mean number of distinct specialties ranked	1.2	1.6	1.6	1.9
3. Mean USMLE Step 1 score	225	206	224	211
4. Mean USMLE Step 2 score	231	207	226	211
5. Mean number of research experiences	2.5	1.3	1.8	1.7
6. Mean number of abstracts, presentations, and publications	3.7	0.9	4.9	5.3
7. Mean number of work experiences	2.5	1.5	3.0	3.3
8. Mean number of volunteer experiences	5.6	3.6	2.8	2.1
9. Percentage who are AOA members	12.5	0.0	n/a	n/a
10. Percentage who graduated from one of the 40 U.S. medical schools with the highest NIH funding	34.8	18.2	n/a	n/a
11. Percentage who have Ph.D. degree	10.5	9.1	n/a	n/a
12. Percentage who have another graduate degree	10.2	0.0	n/a	n/a

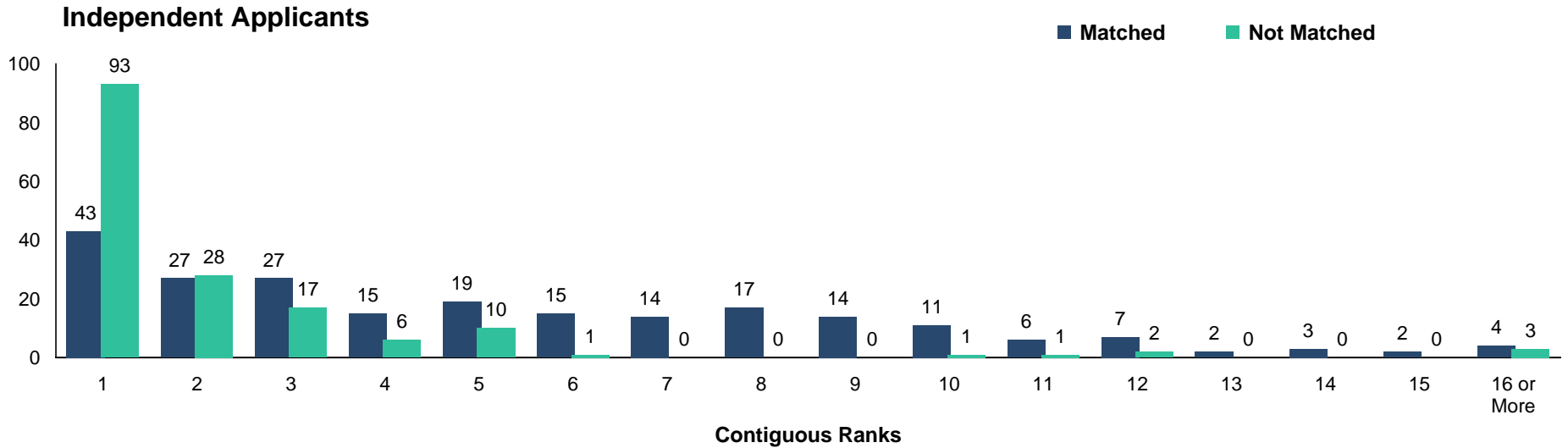
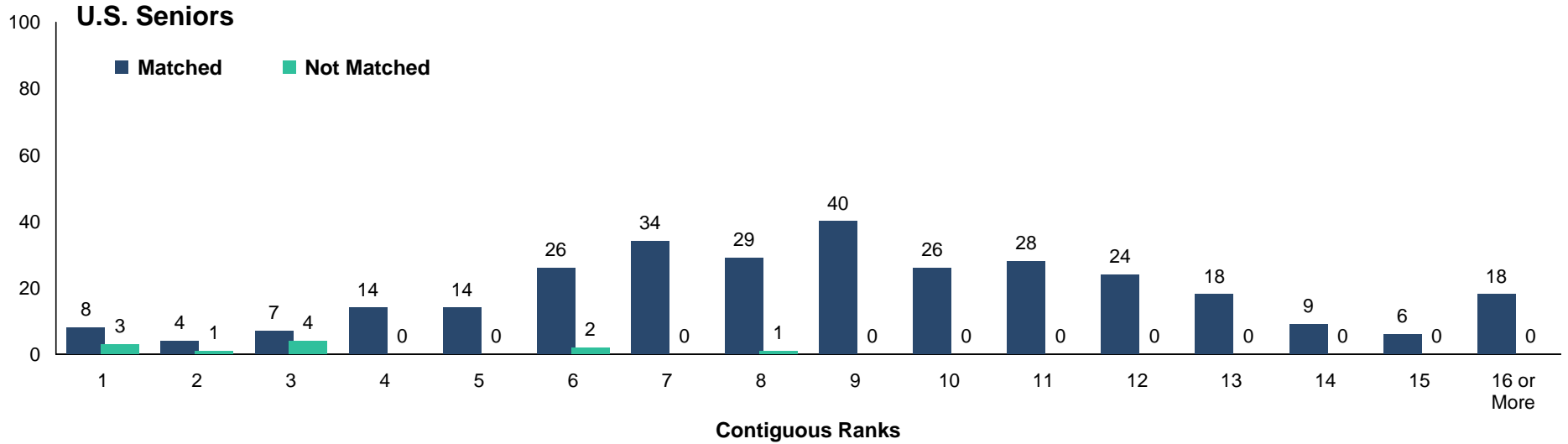
n/a: The measure either does not apply to, applies to only a small percentage of, or no reliable data were available for independent applicants.

Sources. Measures 1, 2, and match outcome are from the NRMP Data Warehouse; measures 3 and 4 are from the AAMC Data Warehouse and from the ECFMG, both by permission of the NBME and ECFMG; measures 5-9 are from the AAMC Data Warehouse; measure 10 is from the NIH website (<http://report.nih.gov/award/trends/AggregateDate.cfm> Medical Schools Only.xls); and measures 11 and 12 are from the AAMC Data Warehouse.

Note: USMLE Step 1 scores are not available for most osteopathic medical school graduates included in the independent applicant group. Approximately 30 percent of U.S. allopathic medical school seniors do not take the USMLE Step 2 prior to the Match.

**Chart  
N-1**

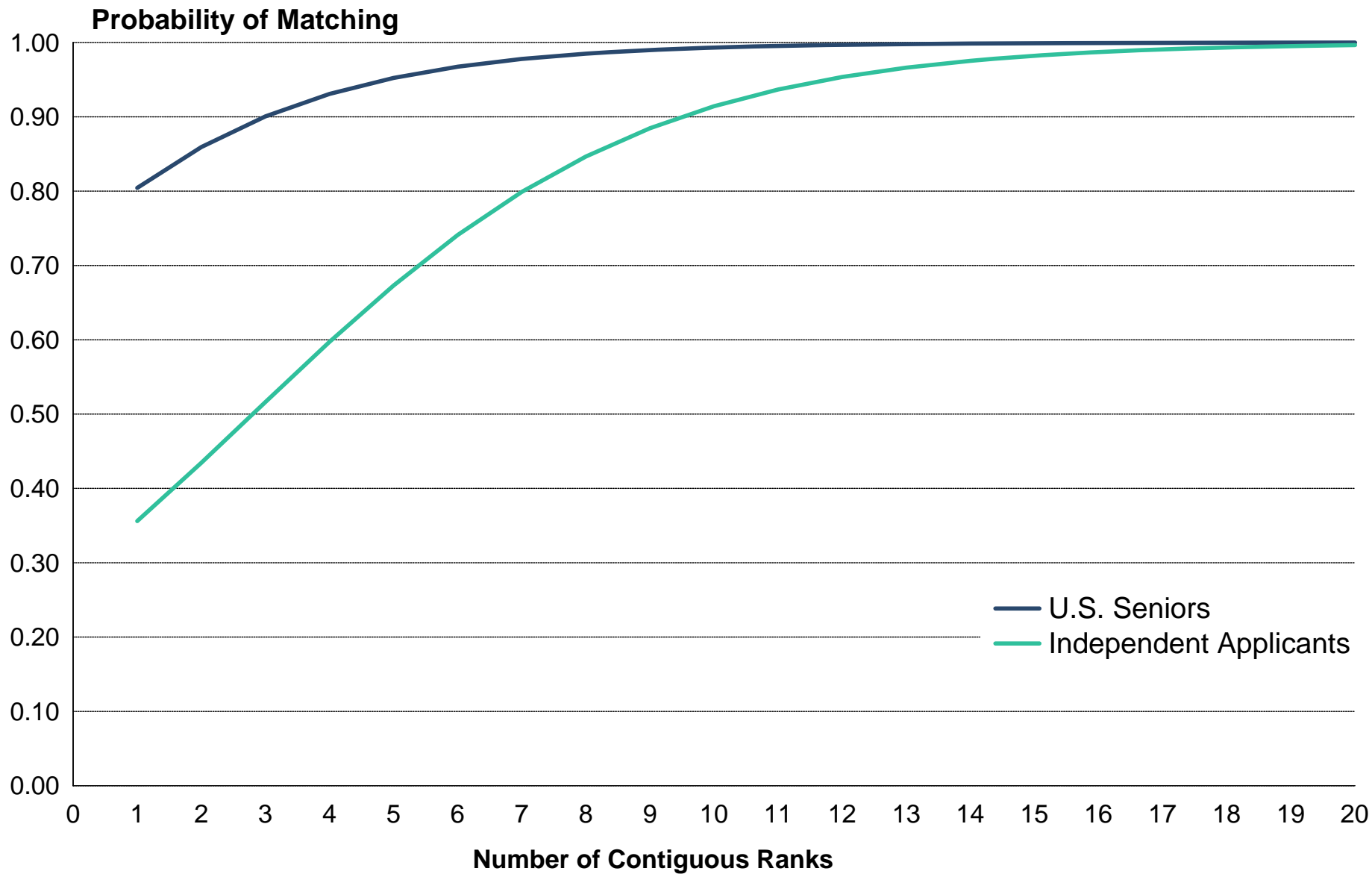
**Number of Contiguous Ranks Within Preferred Specialty  
Neurology**



Source: NRMP Data Warehouse

# Probability of Matching to Preferred Specialty by Number of Contiguous Ranks

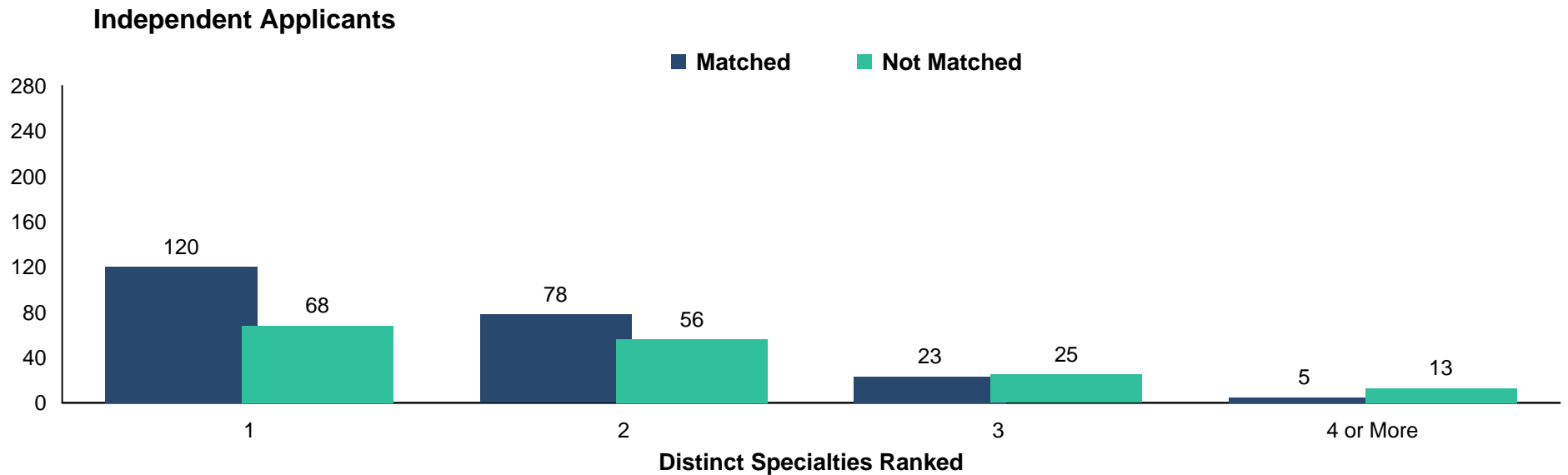
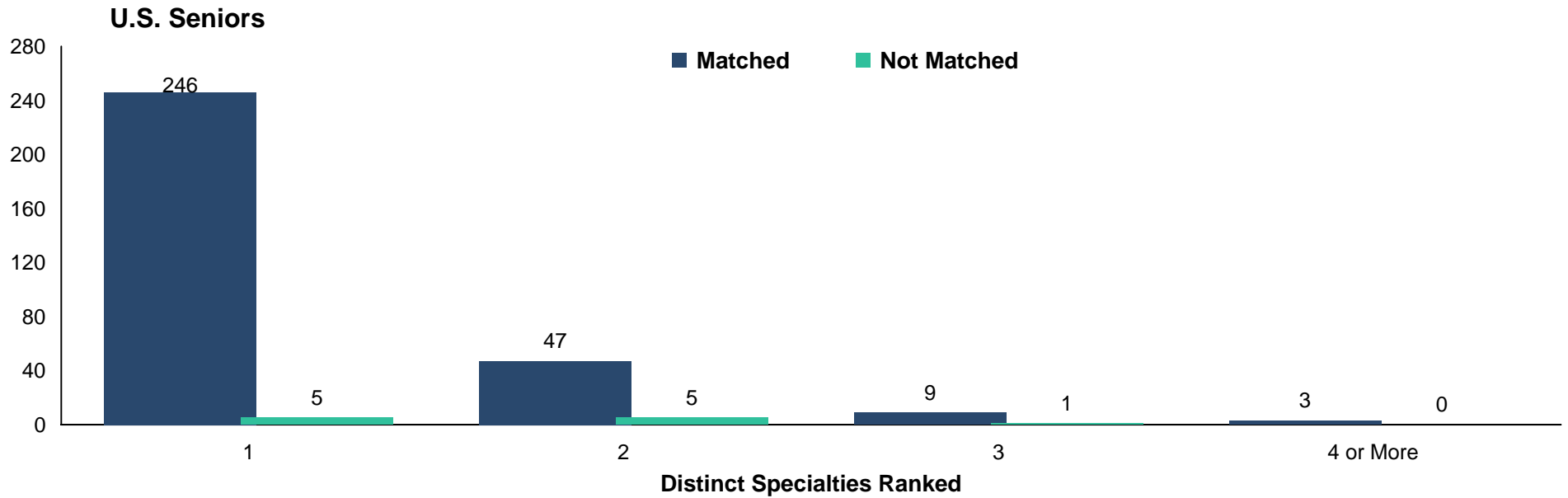
## Neurology



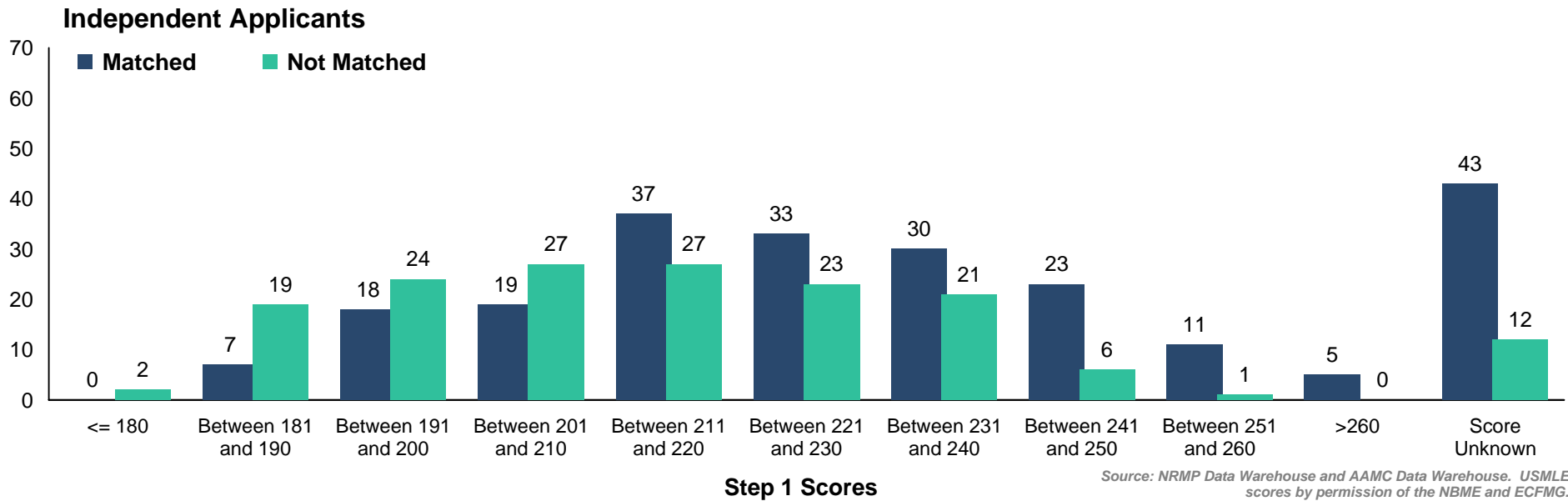
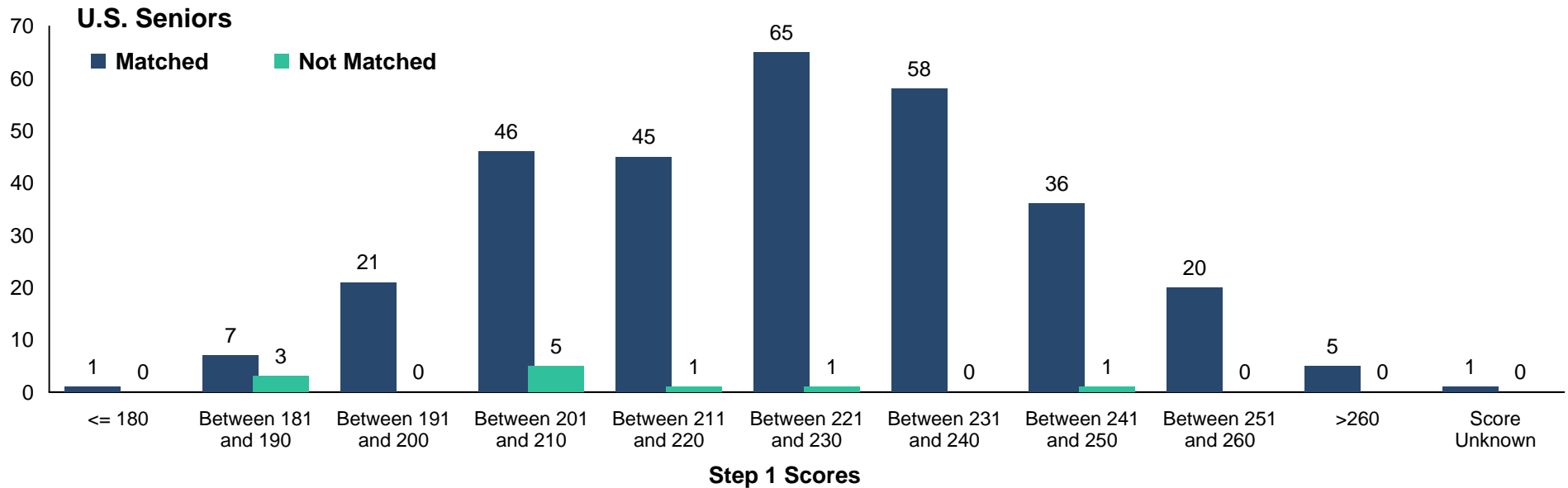
Source: NRMP Data Warehouse. Note: Probabilities calculated based on 2007-2009 applicants.

**Chart  
N-2**

**Number of Distinct Specialties Ranked  
*Neurology***



Source: NRMP Data Warehouse

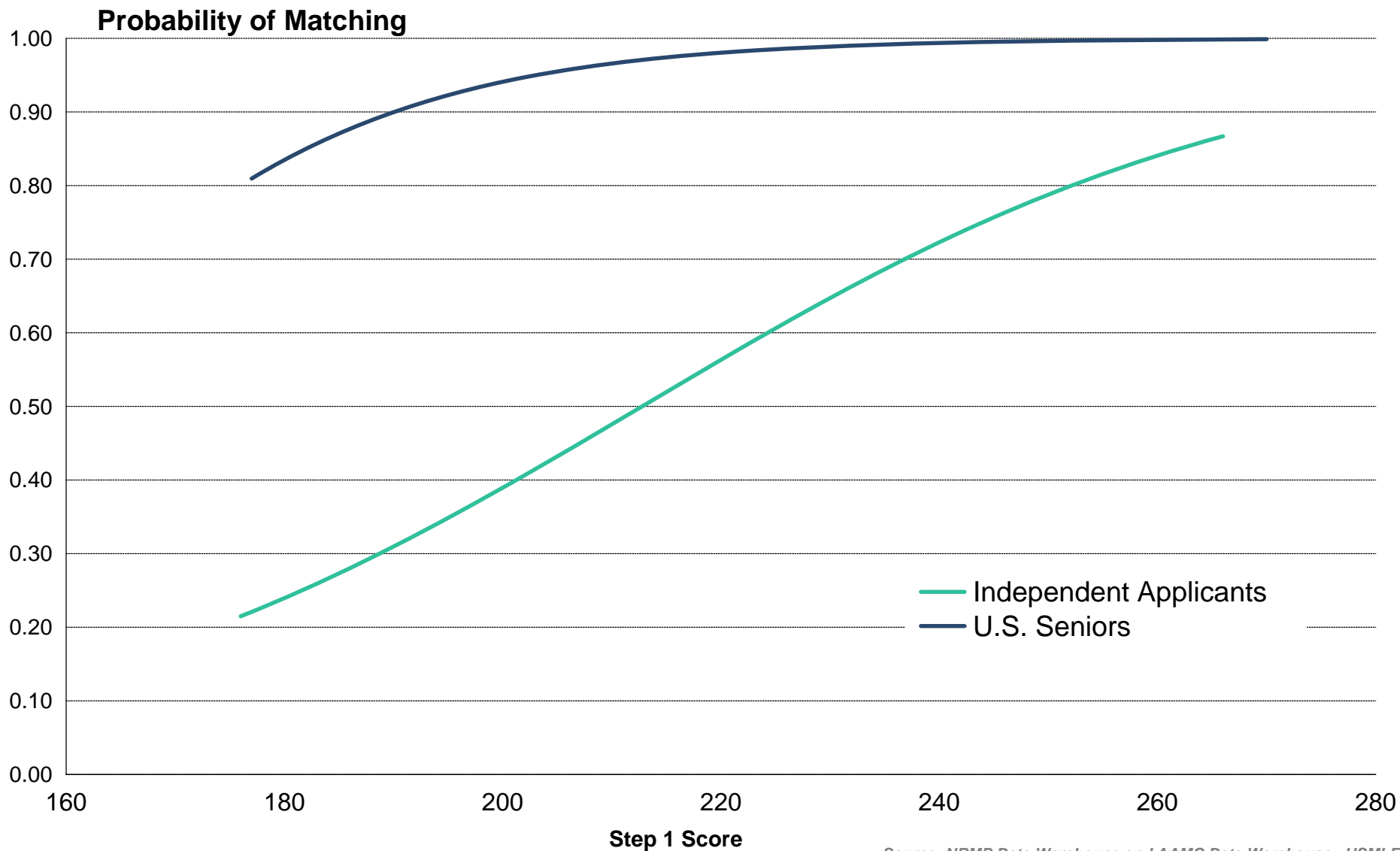


Source: NRMP Data Warehouse and AAMC Data Warehouse. USMLE scores by permission of the NBME and ECFMG.



# Probability of Matching to Preferred Specialty by USMLE Step 1 Score

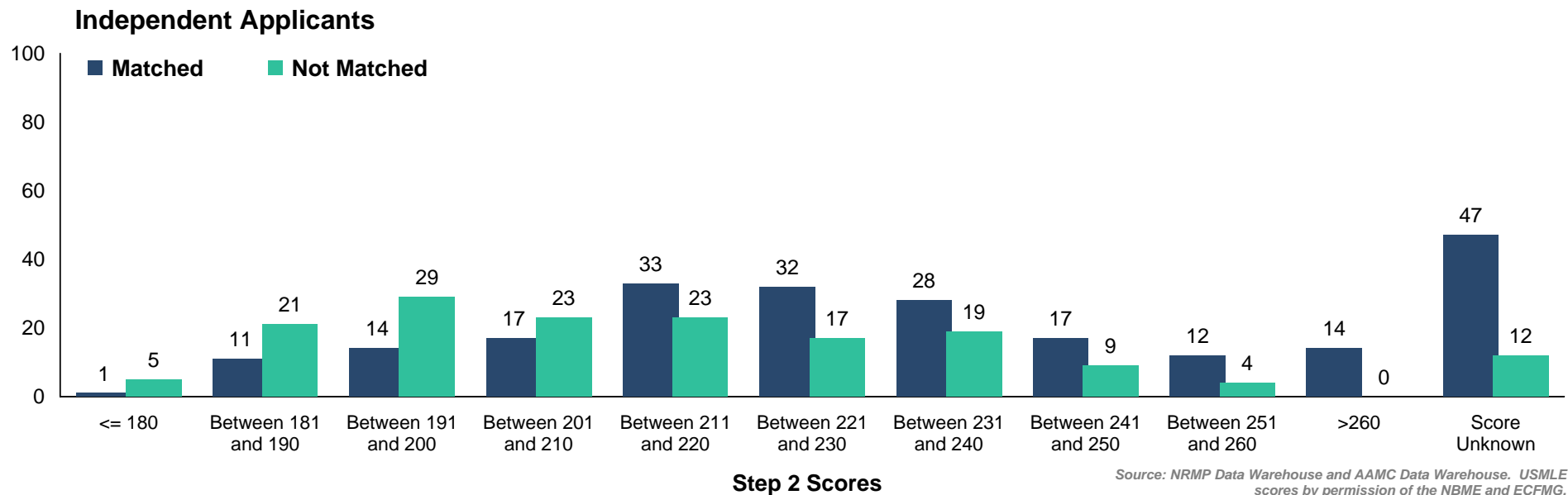
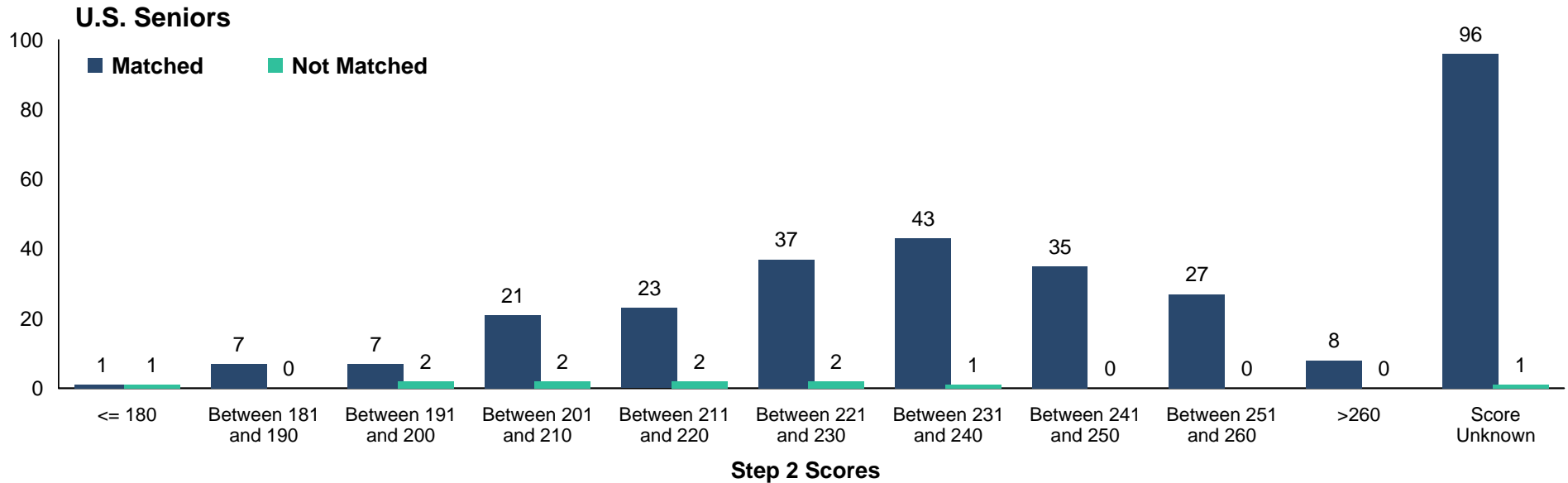
## Neurology



Source: NRMP Data Warehouse and AAMC Data Warehouse. USMLE scores by permission of the NBME and ECFMG. Note: Probabilities calculated based on 2007-2009 applicants.

**Chart  
N-4**

**USMLE Step 2 Scores  
Neurology**

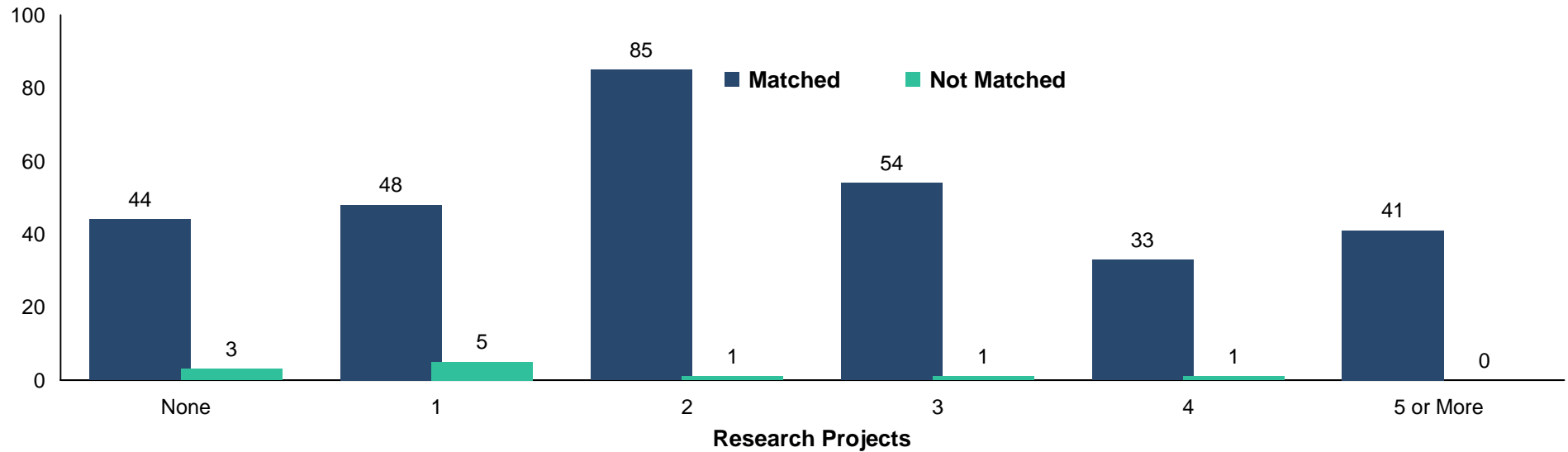


Source: NRMP Data Warehouse and AAMC Data Warehouse. USMLE scores by permission of the NBME and ECFMG.

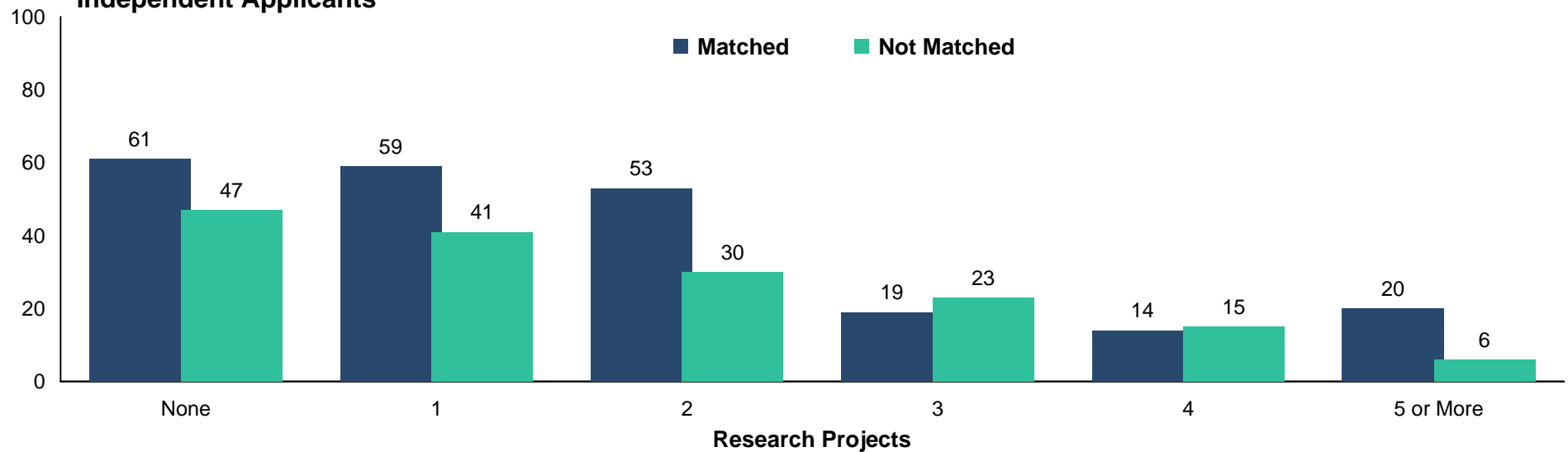
**Chart  
N-5**

**Number of Research Projects  
Neurology**

**U.S. Seniors**



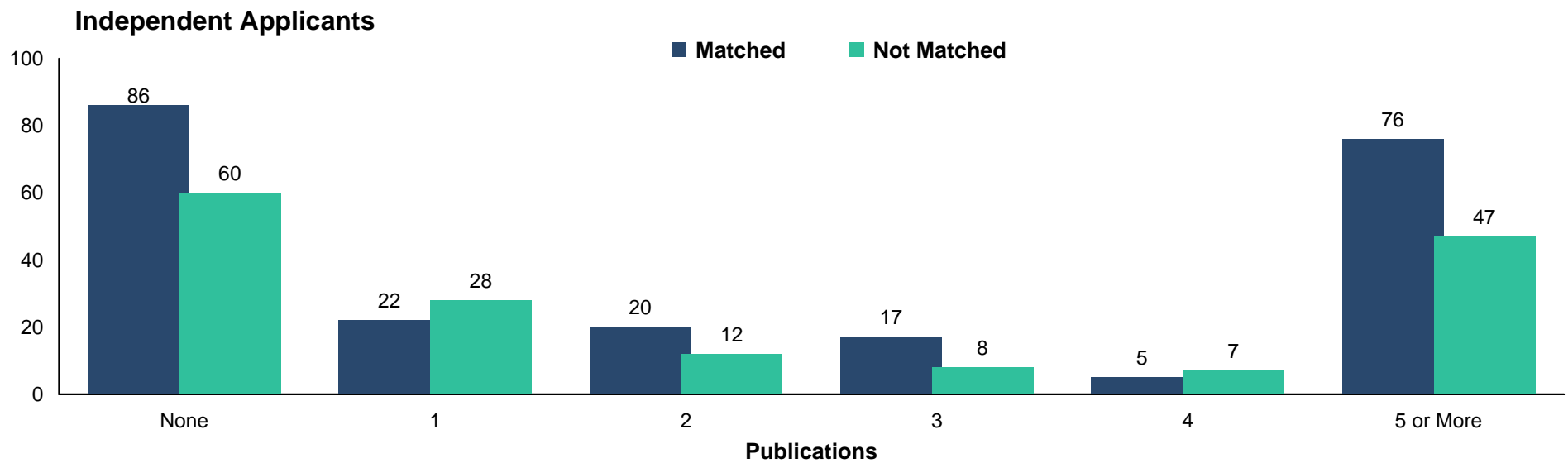
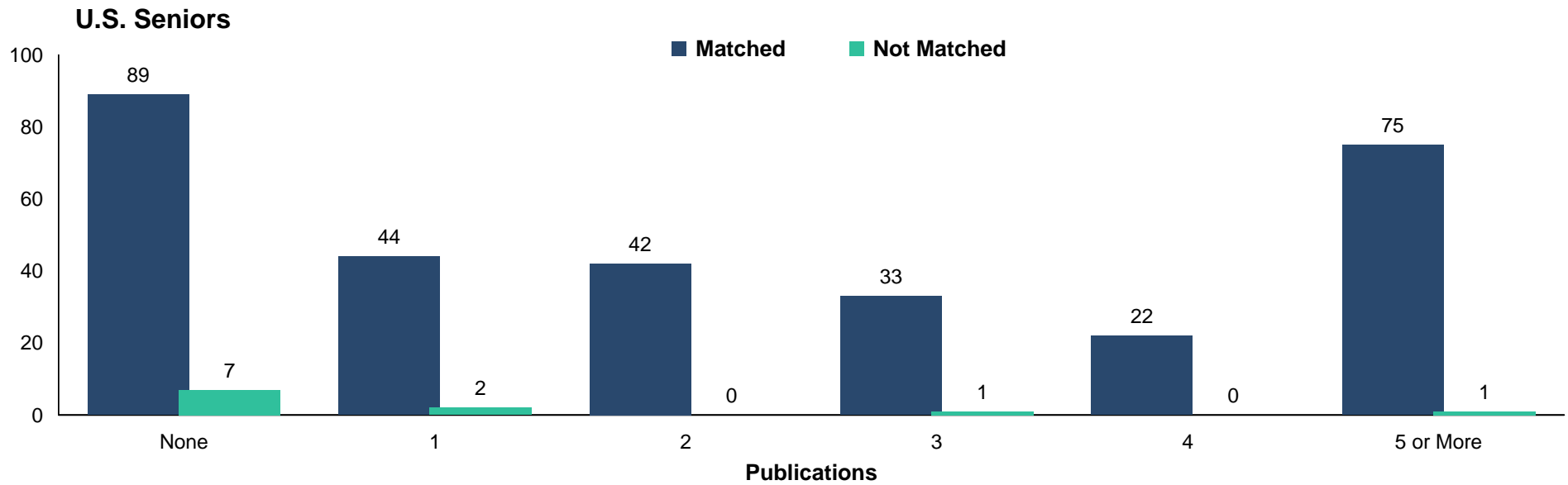
**Independent Applicants**



Source: NRMP Data Warehouse and AAMC Data Warehouse

**Chart  
N-6**

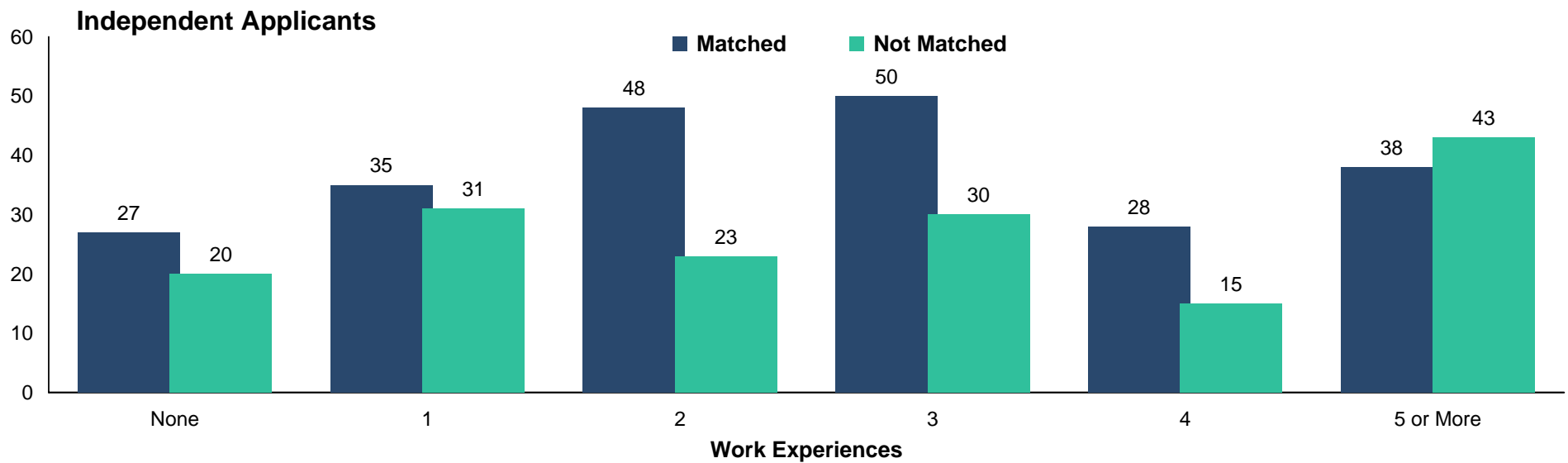
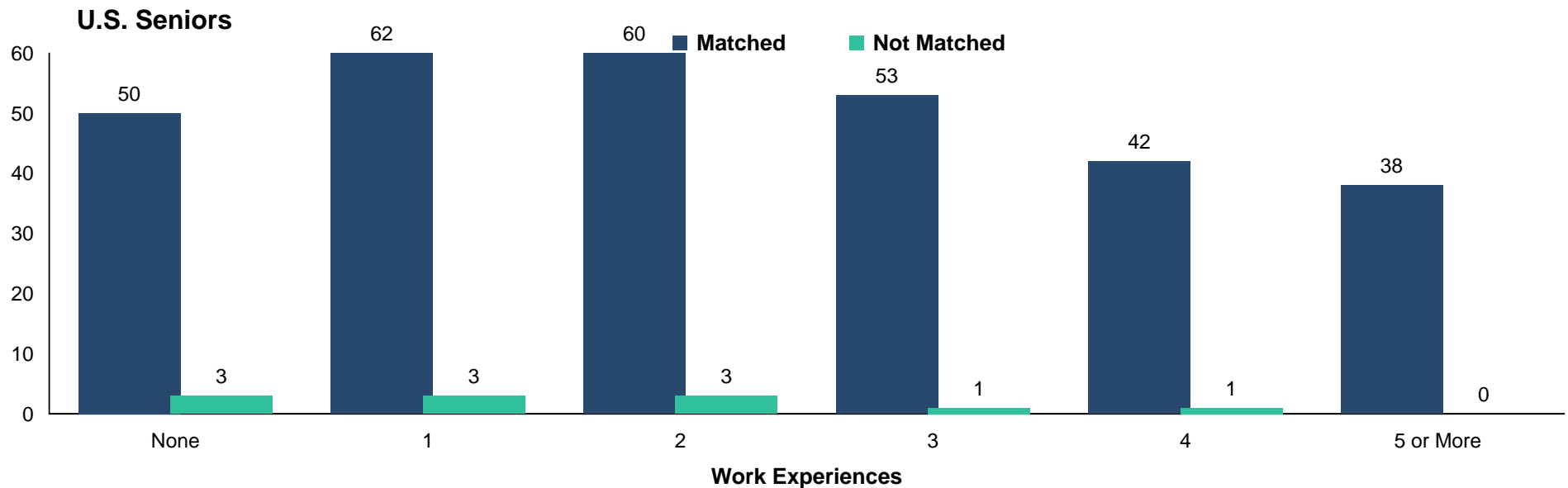
**Number of Abstracts, Presentations, and Publications  
Neurology**



Source: NRMP Data Warehouse and AAMC Data Warehouse

**Chart  
N-7**

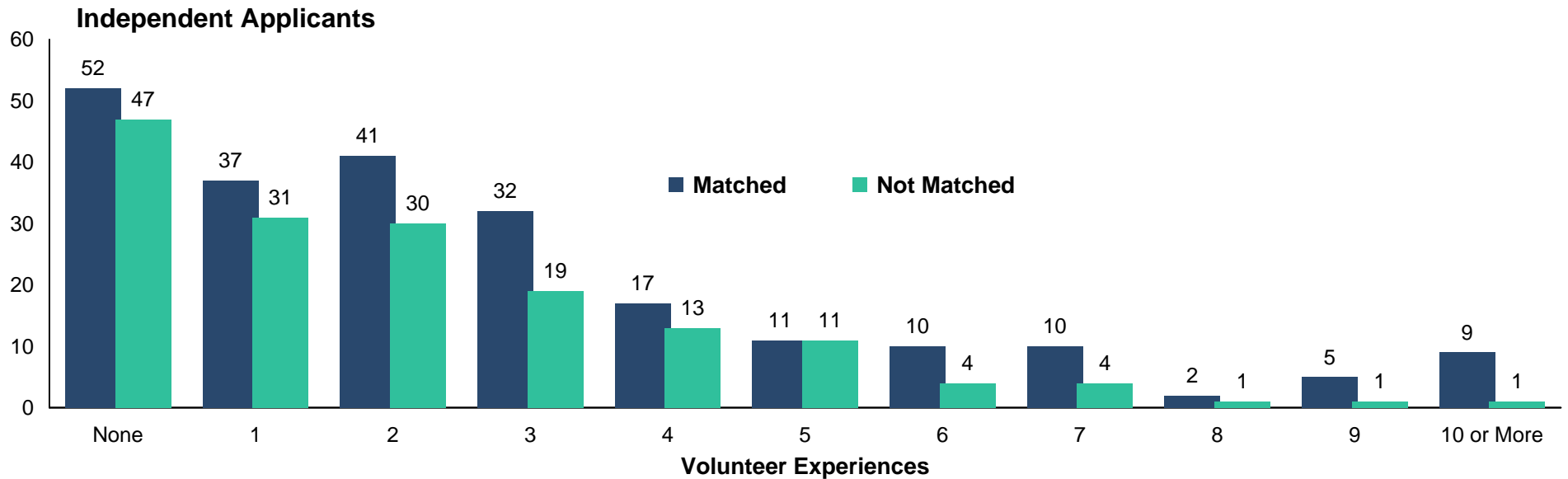
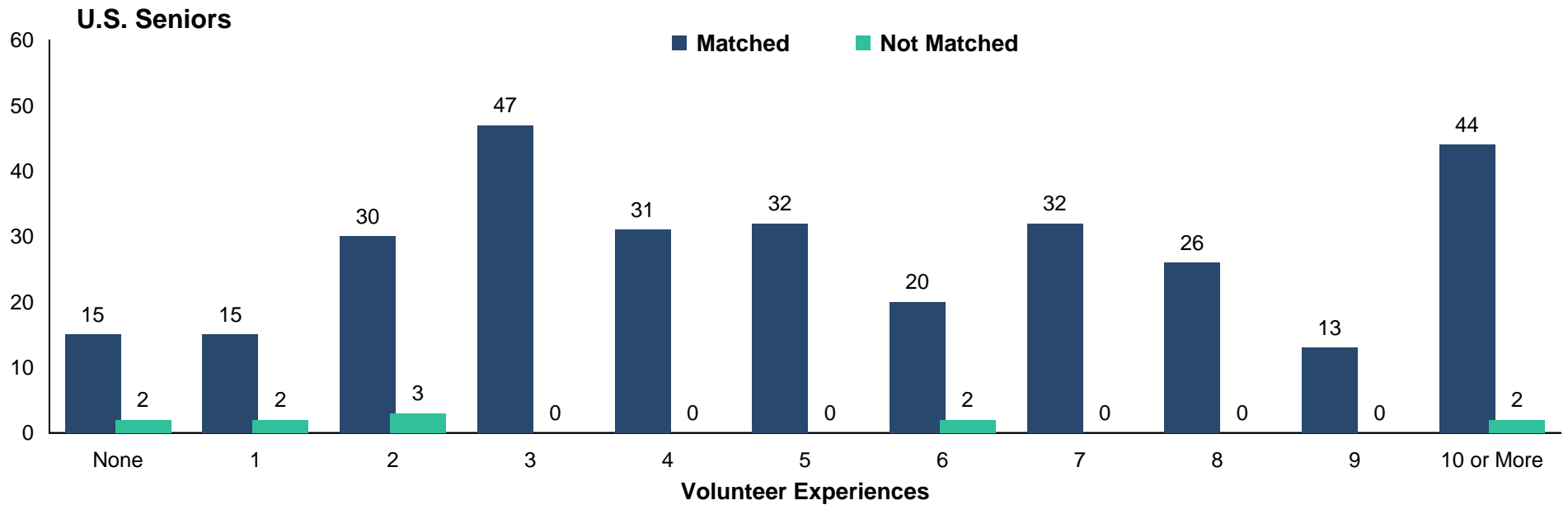
**Number of Work Experiences  
Neurology**



Source: NRMP Data Warehouse and AAMC Data Warehouse

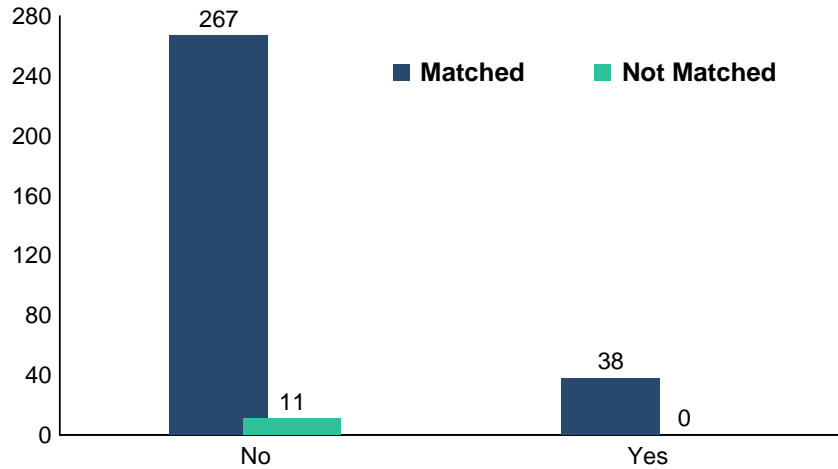
**Chart  
N-8**

**Number of Volunteer Experiences  
Neurology**

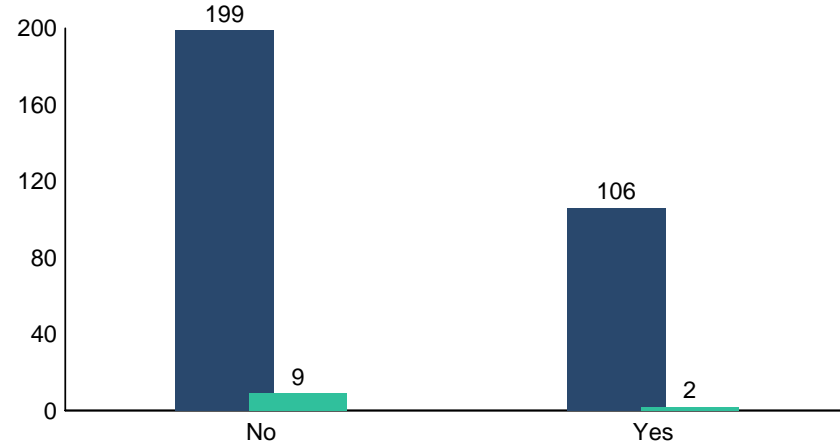


Source: NRMP Data Warehouse and AAMC Data Warehouse.

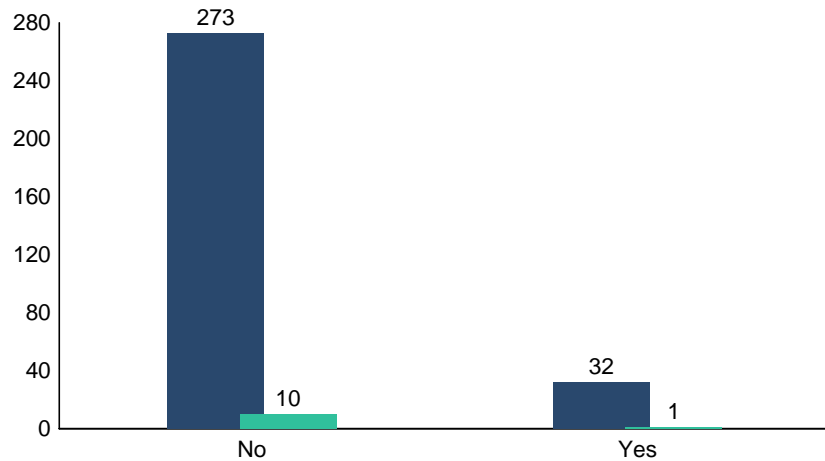
**AOA Membership**



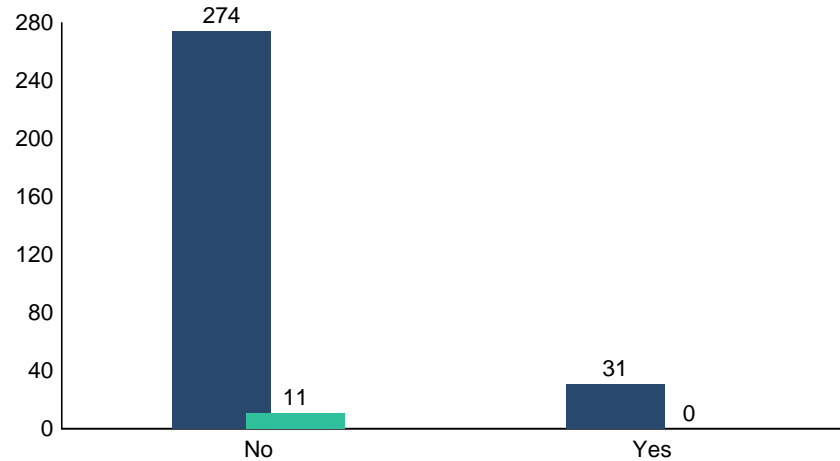
**Graduate of One of the 40 U.S. Medical Schools with the Highest NIH Funding**



**Ph.D. Degree**



**Other Graduate Degree**



Sources: AOA membership from the AAMC Data Warehouse, NIH awards from <http://report.nih.gov/award/trends/AggregateData.cfm> Medical Schools Only.xls, Ph.D. and other graduate degrees from the AAMC Data Warehouse

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**OB** **Obstetrics and Gynecology**



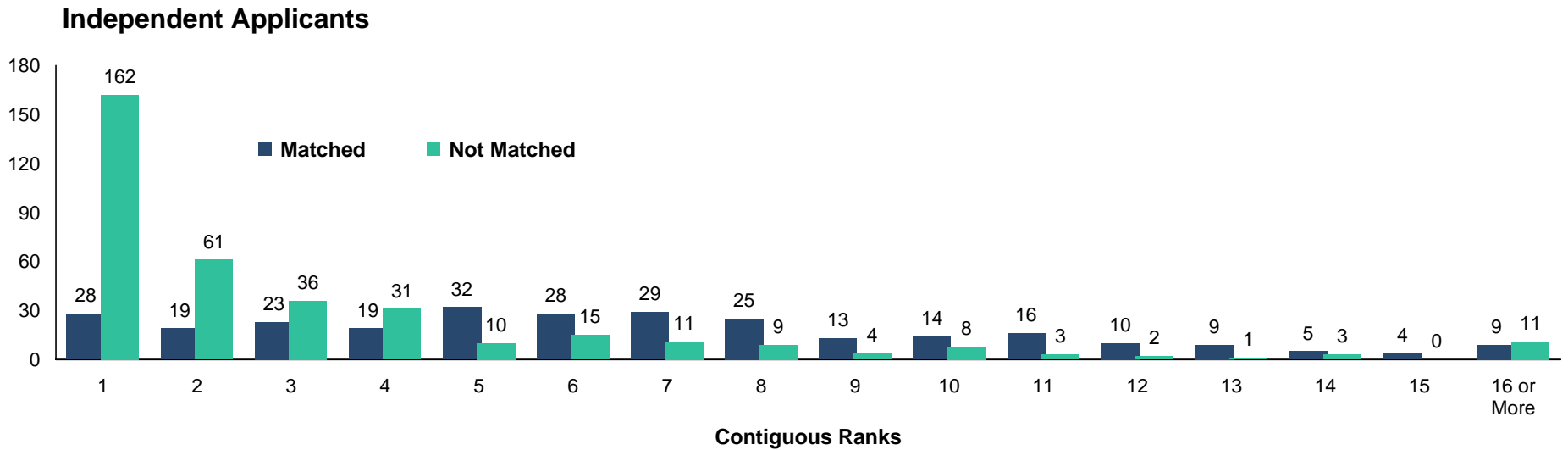
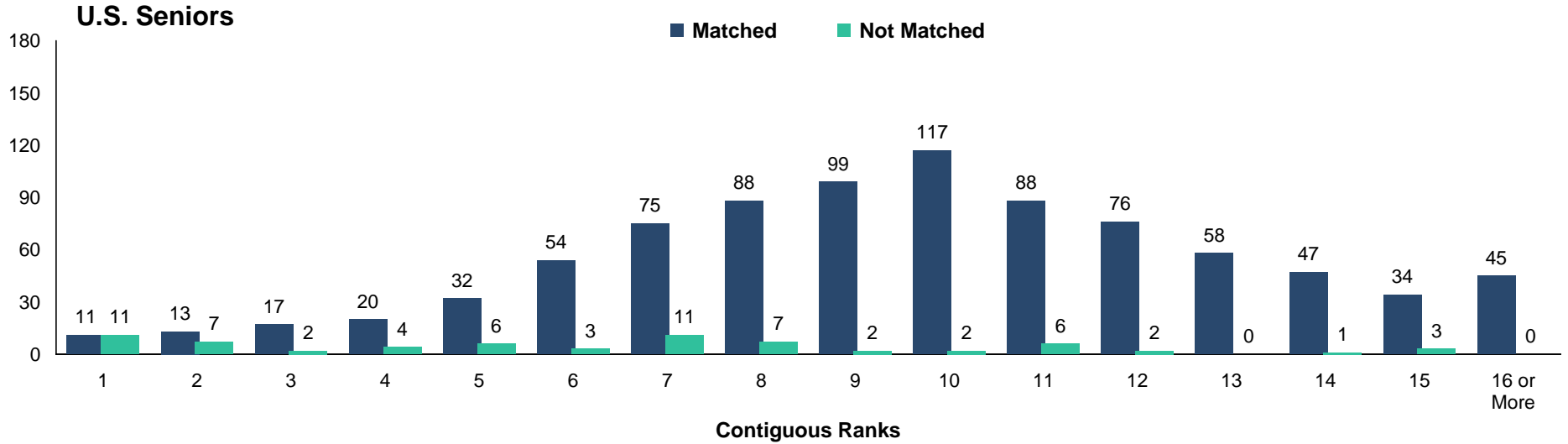
Measure	U.S. Seniors		Independent Applicants	
	Matched (n=874)	Unmatched (n=67)	Matched (n=283)	Unmatched (n=367)
1. Mean number of contiguous ranks	9.7	6.2	6.7	3.4
2. Mean number of distinct specialties ranked	1.0	1.2	1.2	1.5
3. Mean USMLE Step 1 score	219	208	212	205
4. Mean USMLE Step 2 score	229	210	219	208
5. Mean number of research experiences	2.1	2.2	1.3	1.2
6. Mean number of abstracts, presentations, and publications	2.4	2.5	1.6	2.0
7. Mean number of work experiences	2.8	2.7	3.0	3.8
8. Mean number of volunteer experiences	7.2	6.2	4.2	2.8
9. Percentage who are AOA members	13.8	1.5	n/a	n/a
10. Percentage who graduated from one of the 40 U.S. medical schools with the highest NIH funding	31.0	26.9	n/a	n/a
11. Percentage who have Ph.D. degree	2.2	7.5	n/a	n/a
12. Percentage who have another graduate degree	11.7	13.4	n/a	n/a

n/a: The measure either does not apply to, applies to only a small percentage of, or no reliable data were available for independent applicants.

Sources. Measures 1, 2, and match outcome are from the NRMP Data Warehouse; measures 3 and 4 are from the AAMC Data Warehouse and from the ECFMG, both by permission of the NBME and ECFMG; measures 5-9 are from the AAMC Data Warehouse; measure 10 is from the NIH website (<http://report.nih.gov/award/trends/AggregateDate.cfm> Medical Schools Only.xls); and measures 11 and 12 are from the AAMC Data Warehouse.

Note: USMLE Step 1 scores are not available for most osteopathic medical school graduates included in the independent applicant group. Approximately 30 percent of U.S. allopathic medical school seniors do not take the USMLE Step 2 prior to the Match.

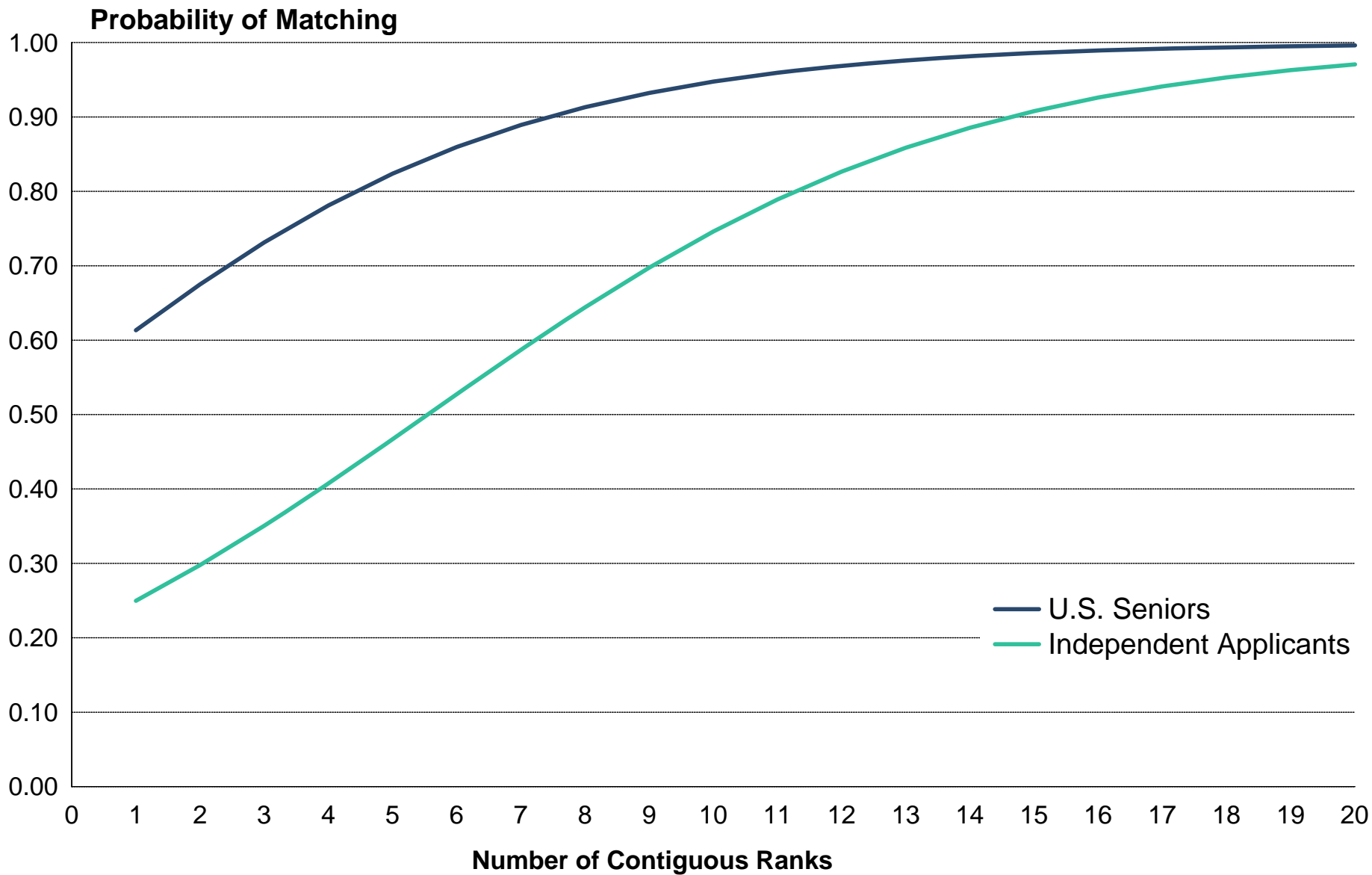
**Number of Contiguous Ranks Within Preferred Specialty  
Obstetrics and Gynecology**



Source: NRMP Data Warehouse

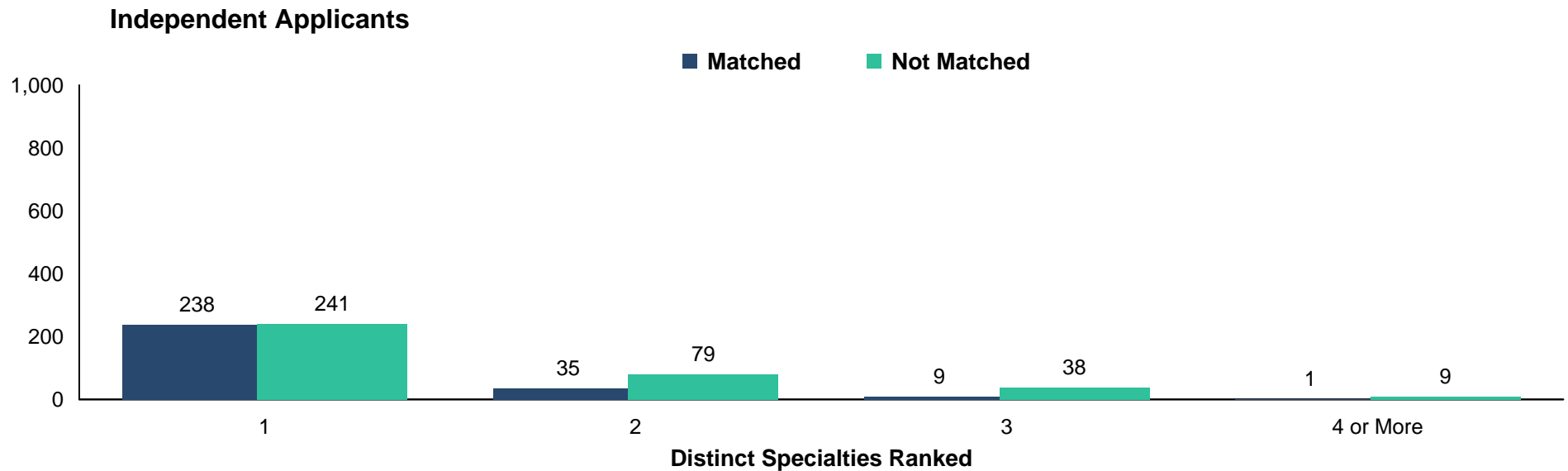
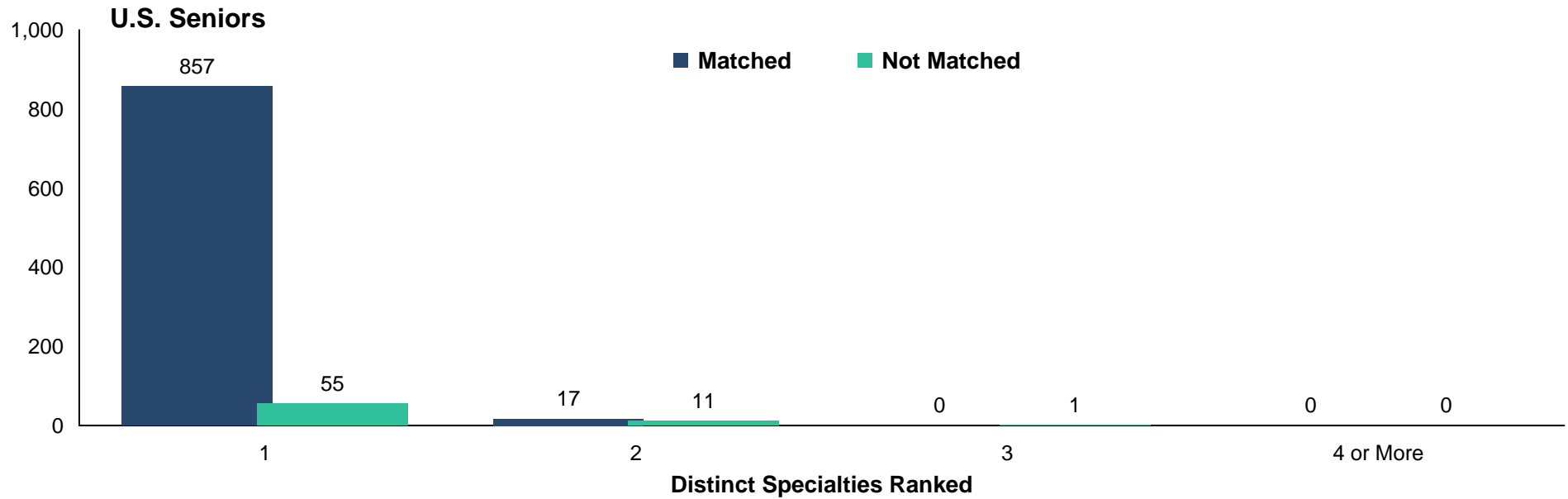
# Probability of Matching to Preferred Specialty by Number of Contiguous Ranks

## Obstetrics and Gynecology

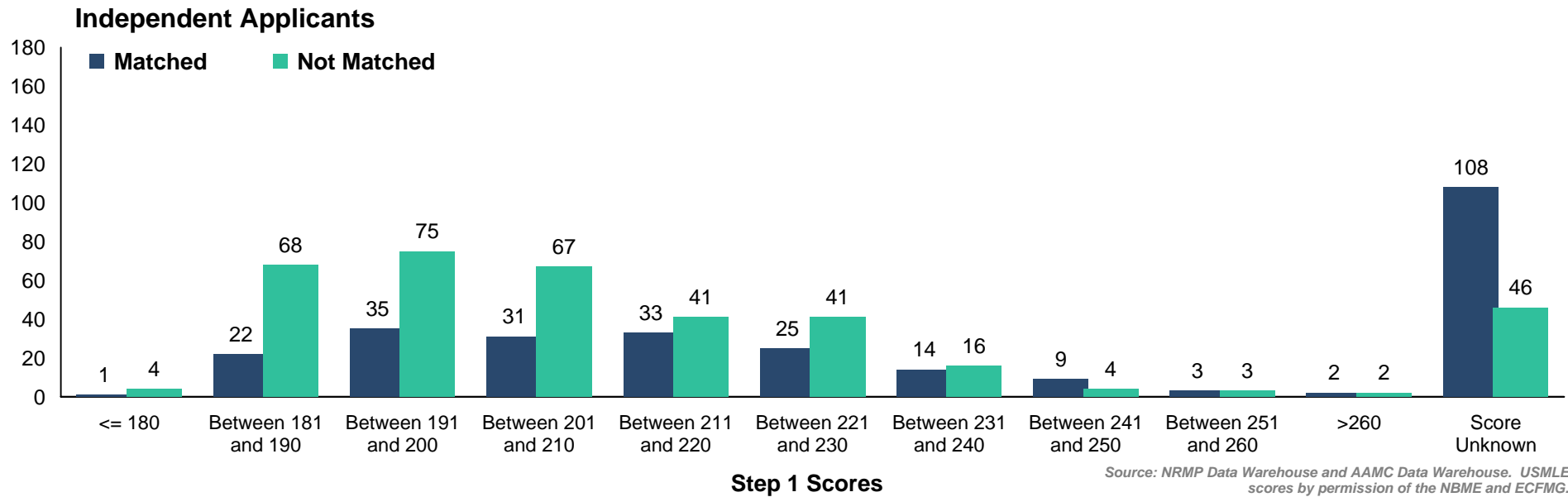
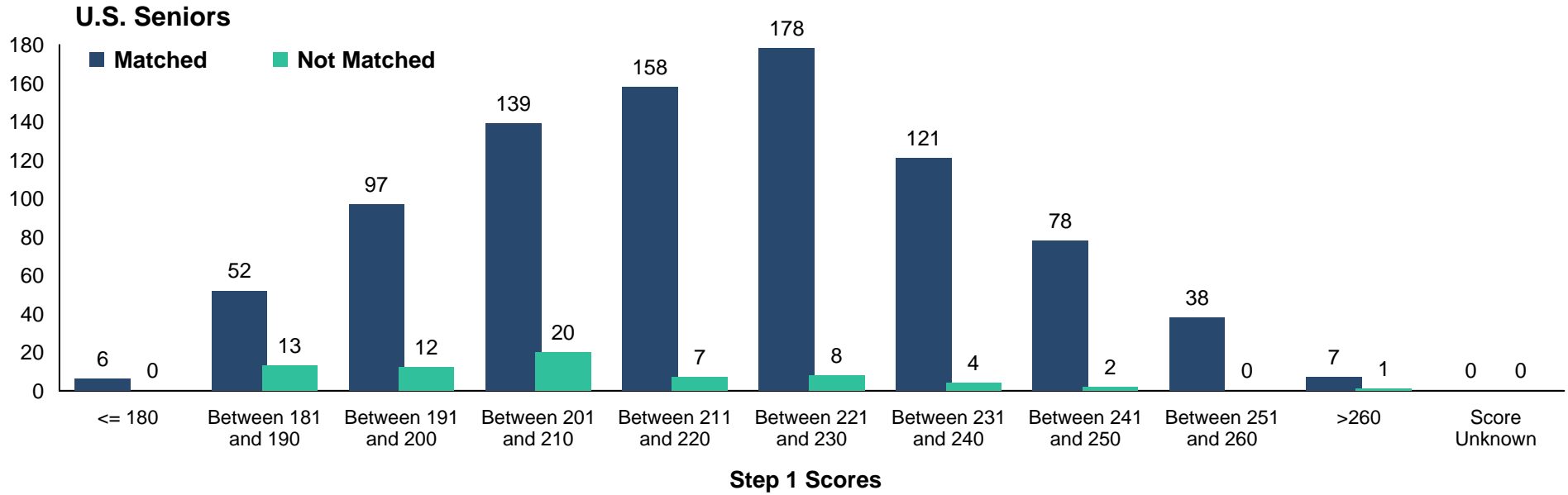


Source: NRMP Data Warehouse. Note: Probabilities calculated based on 2007-2009 applicants.

**Number of Distinct Specialties Ranked**  
*Obstetrics and Gynecology*



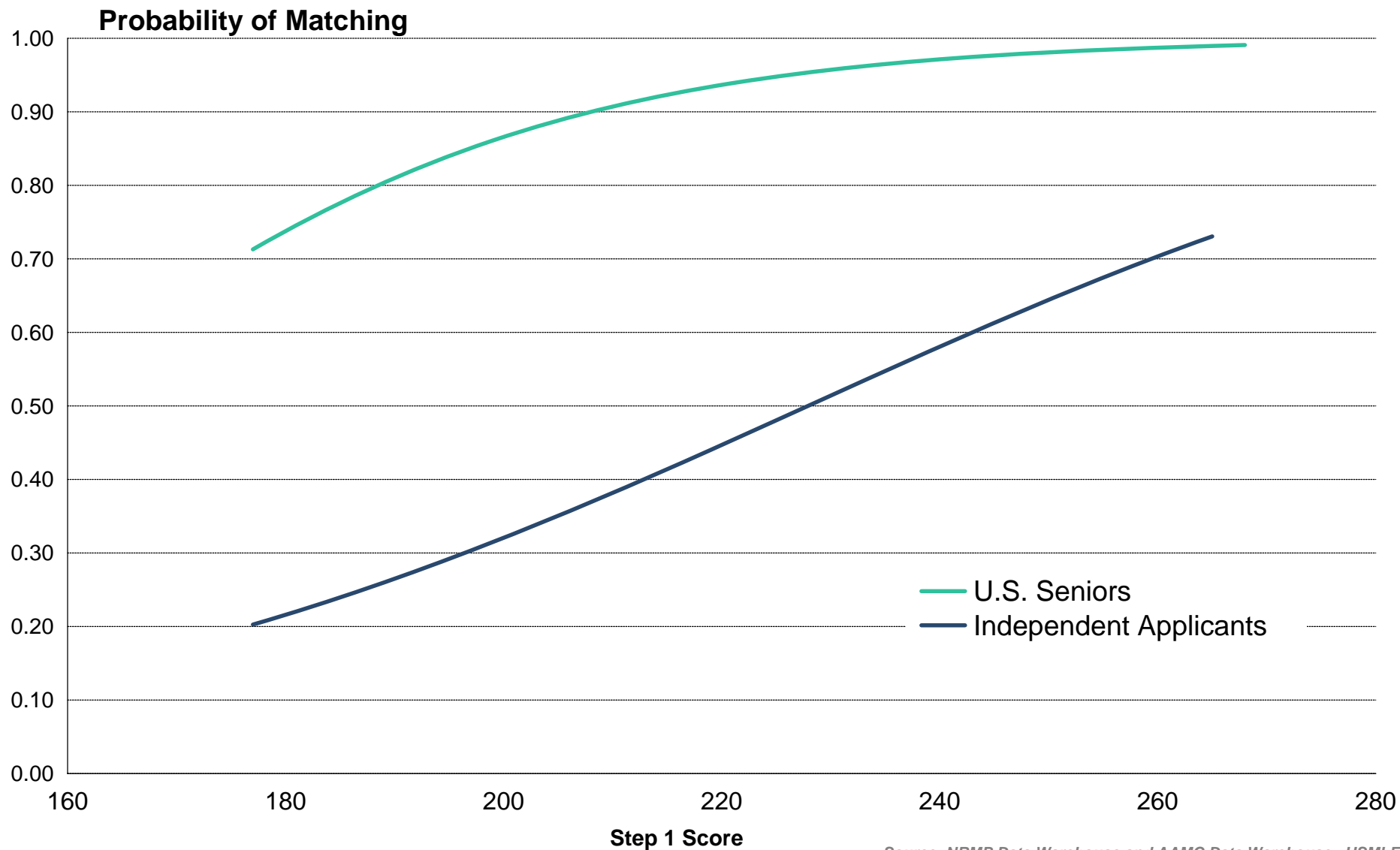
Source: NRMP Data Warehouse



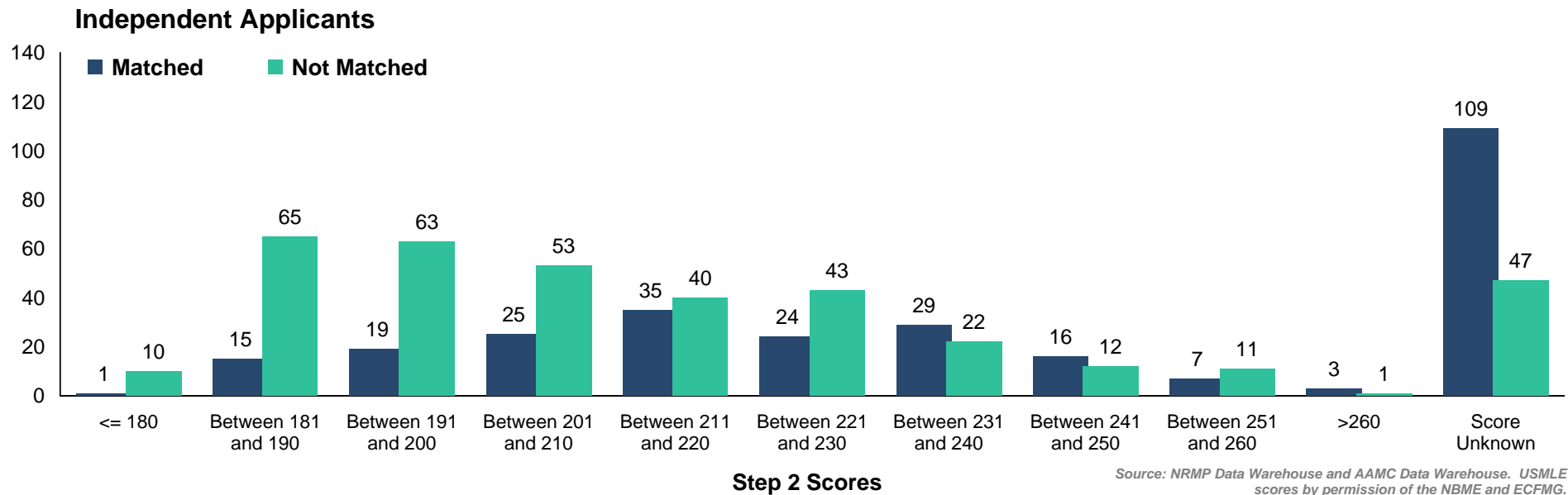
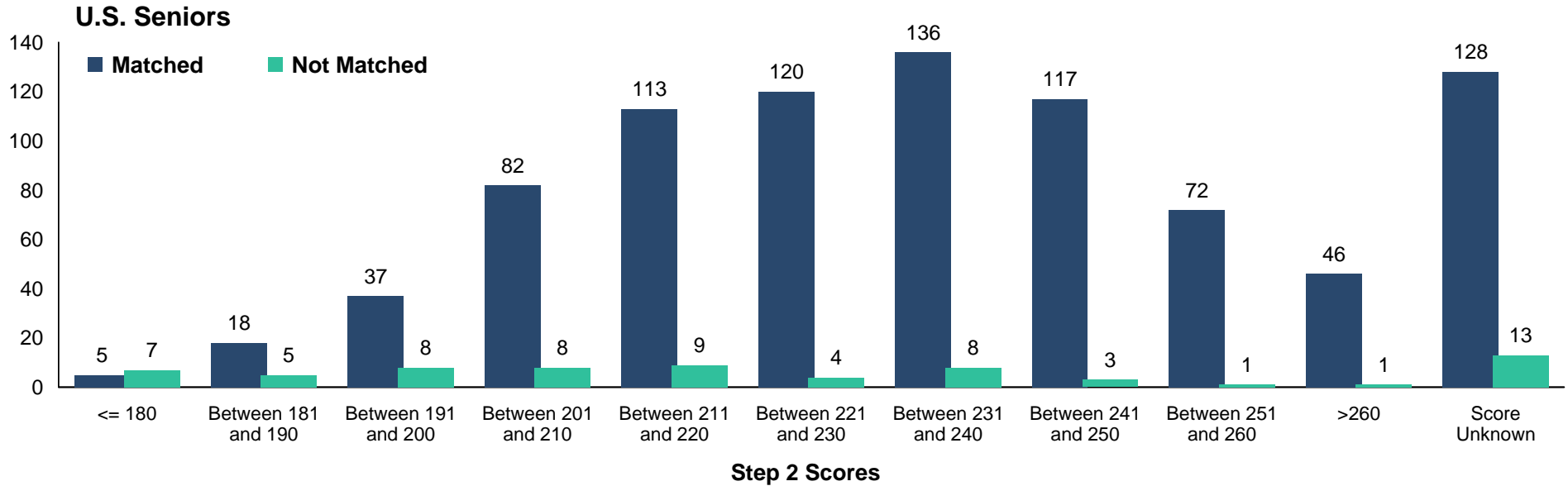
Source: NRMP Data Warehouse and AAMC Data Warehouse. USMLE scores by permission of the NBME and ECFMG.

# Probability of Matching to Preferred Specialty by USMLE Step 1 Score

## Obstetrics and Gynecology

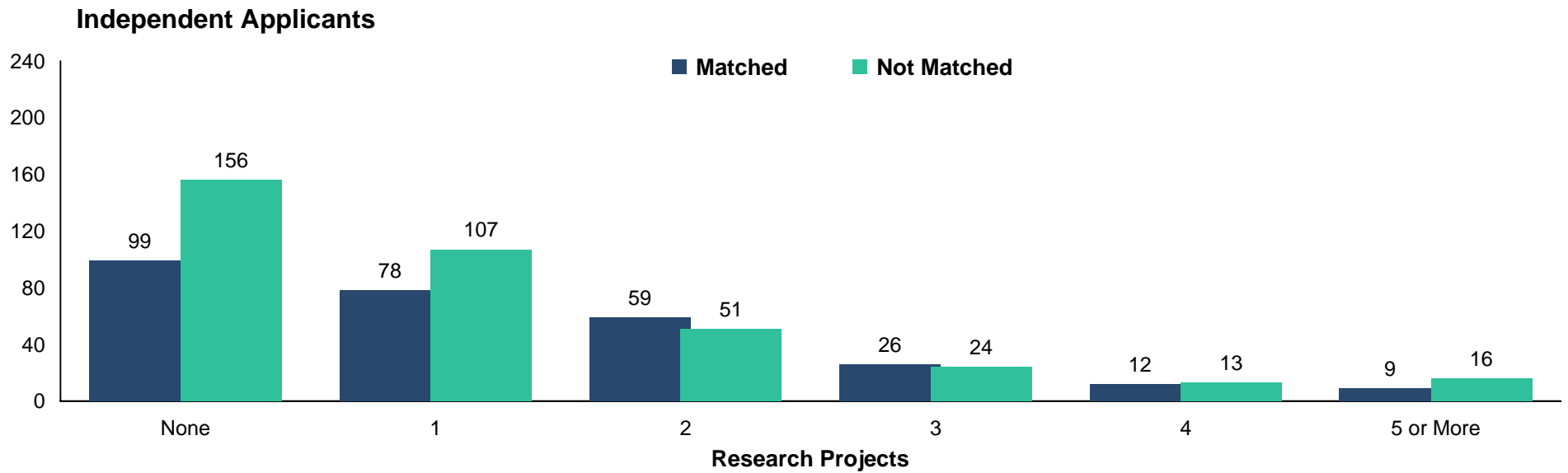
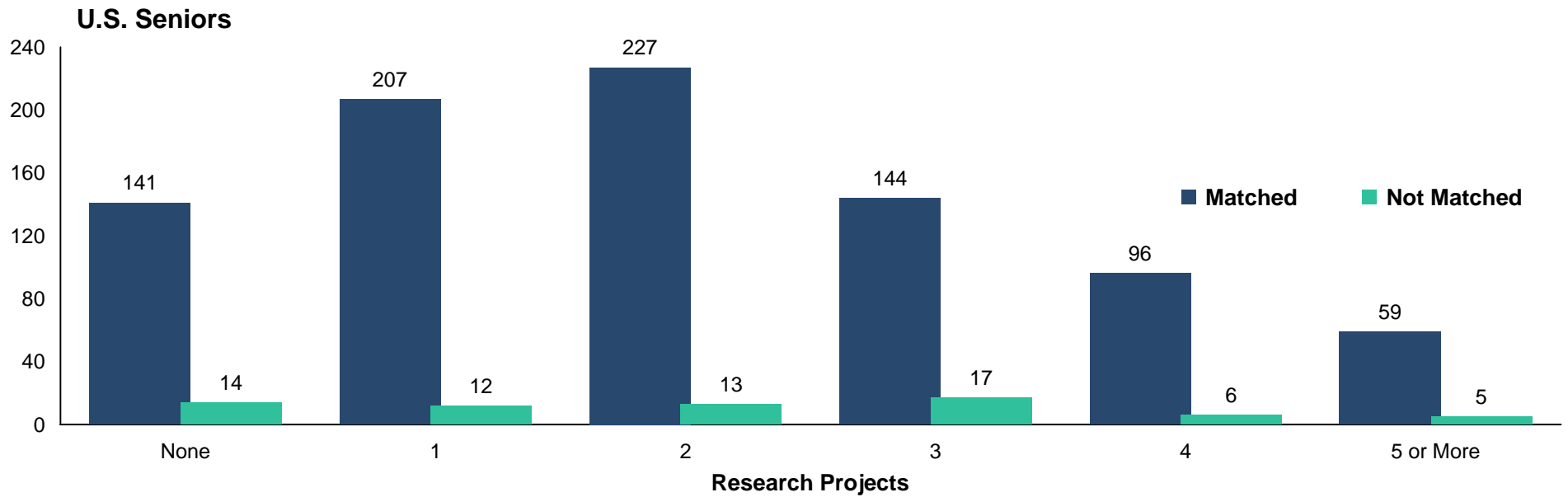


Source: NRMP Data Warehouse and AAMC Data Warehouse. USMLE scores by permission of the NBME and ECFMG. Note: Probabilities calculated based on 2007-2009 applicants.



Source: NRMP Data Warehouse and AAMC Data Warehouse. USMLE scores by permission of the NBME and ECFMG.

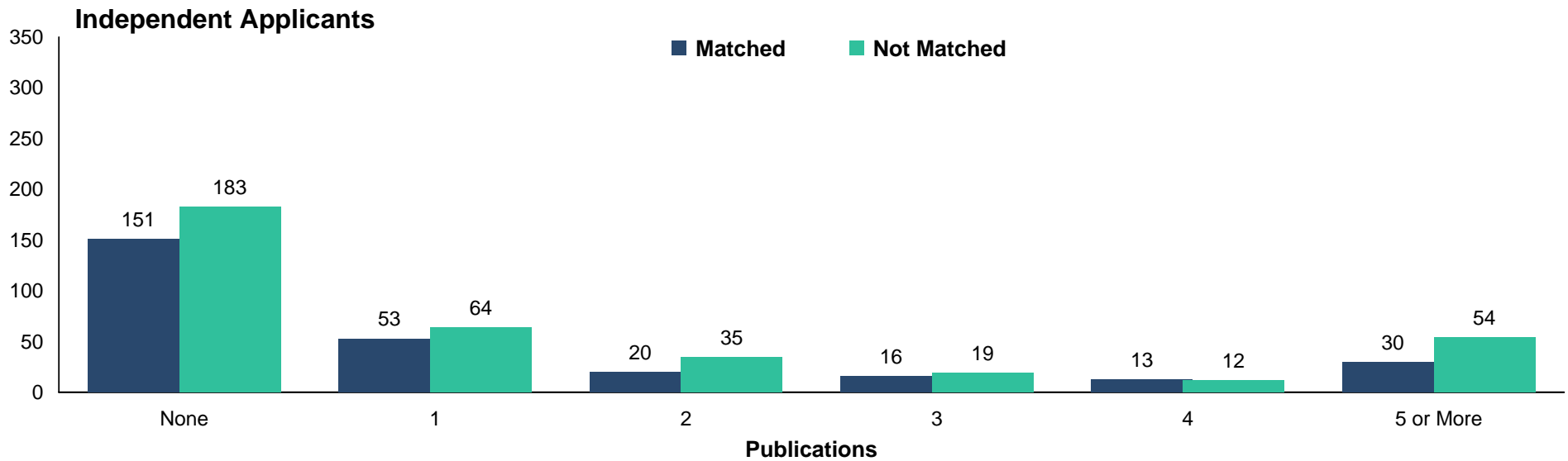
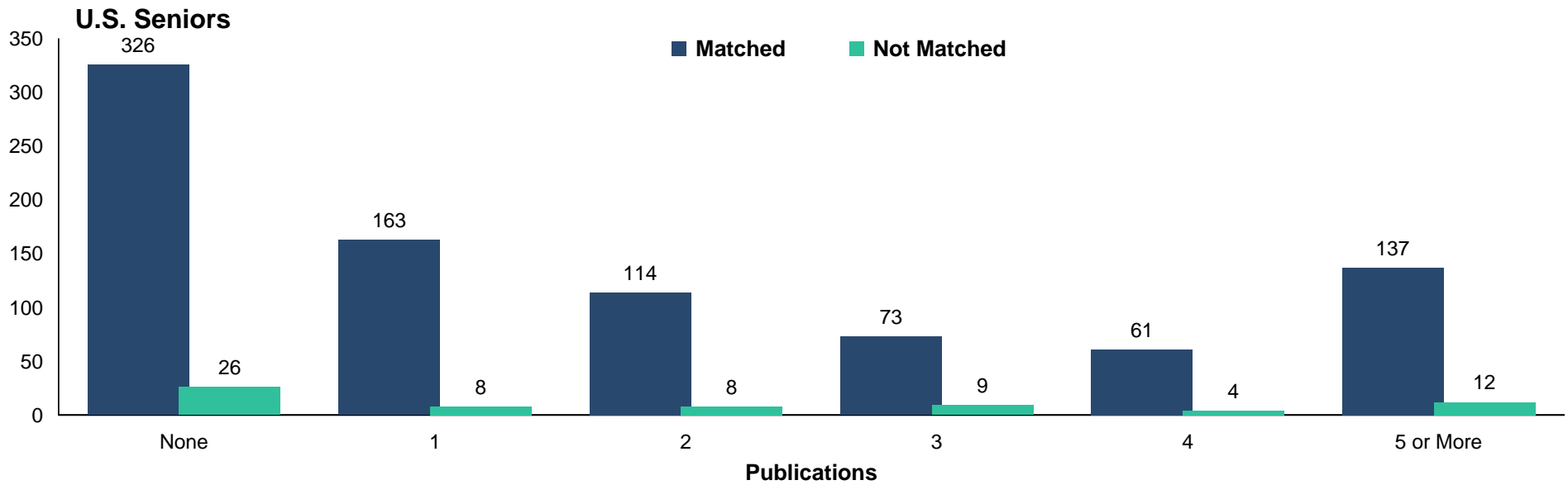
**Number of Research Projects  
Obstetrics and Gynecology**



Source: NRMP Data Warehouse and AAMC Data Warehouse

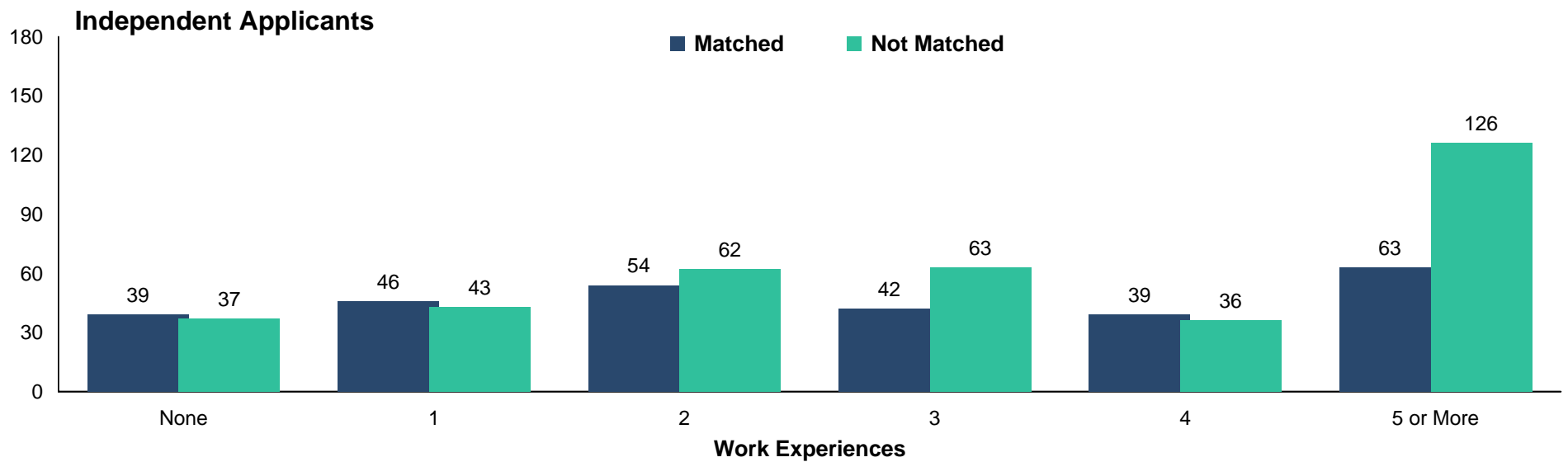
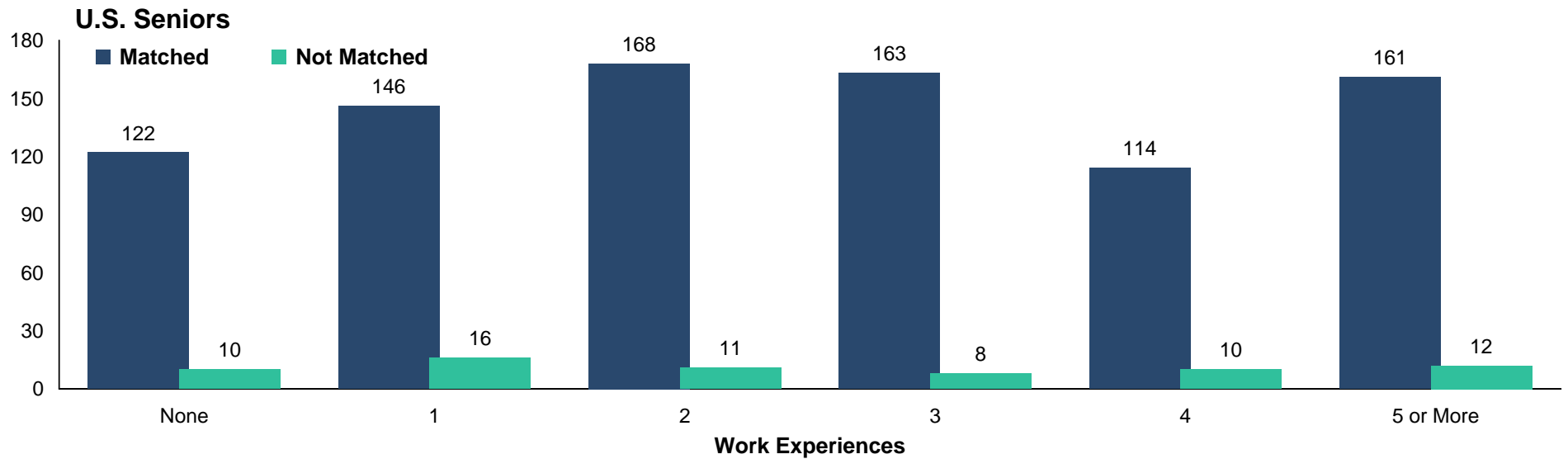


**Number of Abstracts, Presentations, and Publications  
Obstetrics and Gynecology**



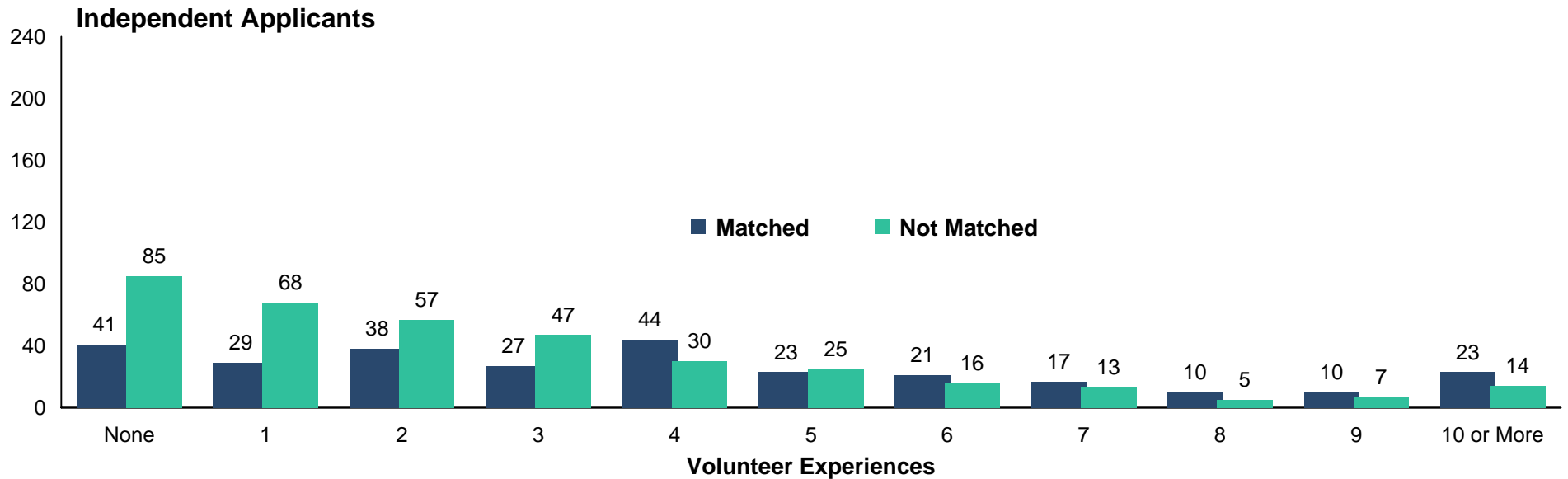
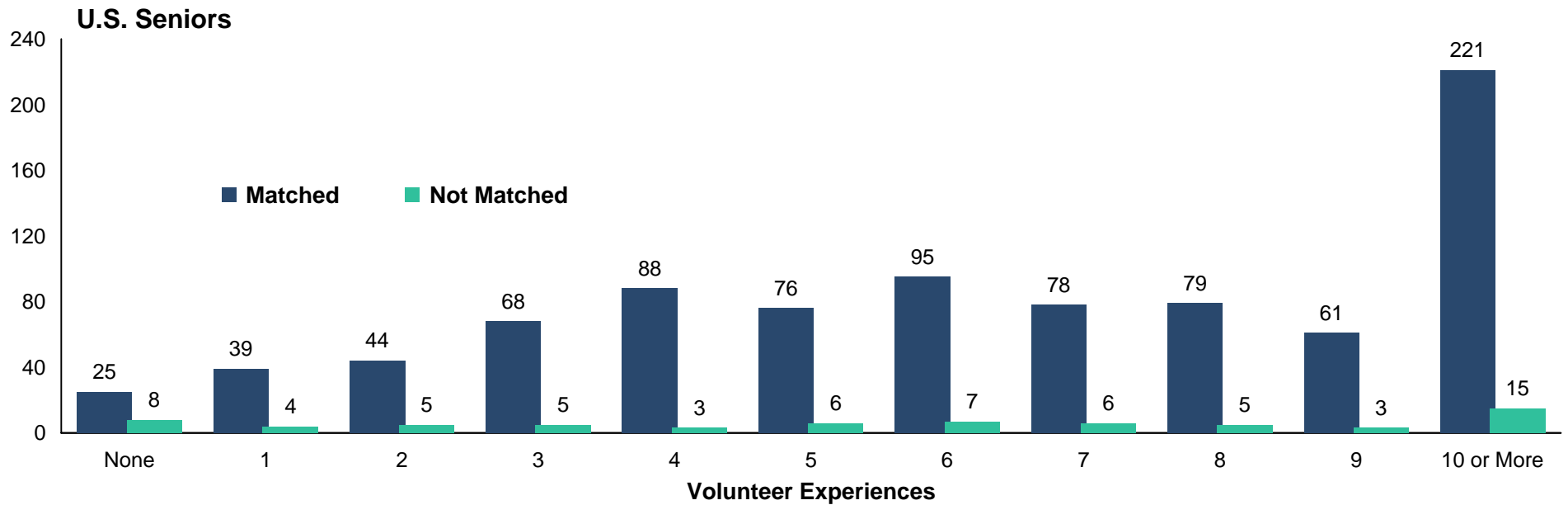
Source: NRMP Data Warehouse and AAMC Data Warehouse

**Number of Work Experiences  
Obstetrics and Gynecology**



Source: NRMP Data Warehouse and AAMC Data Warehouse

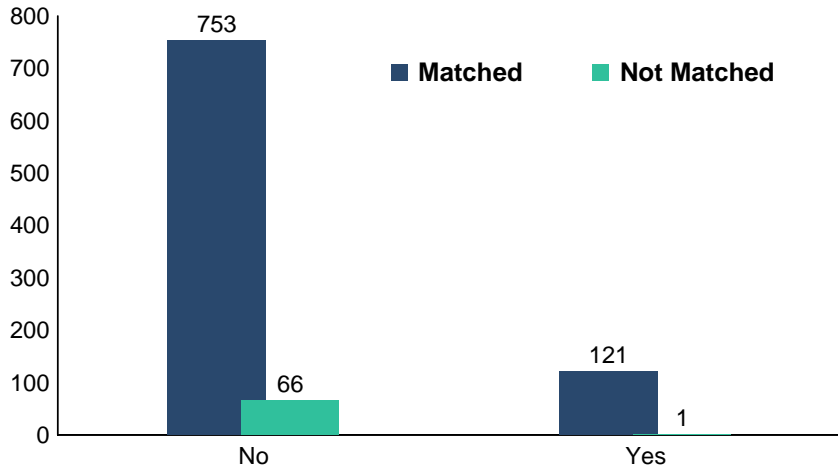
**Number of Volunteer Experiences  
Obstetrics and Gynecology**



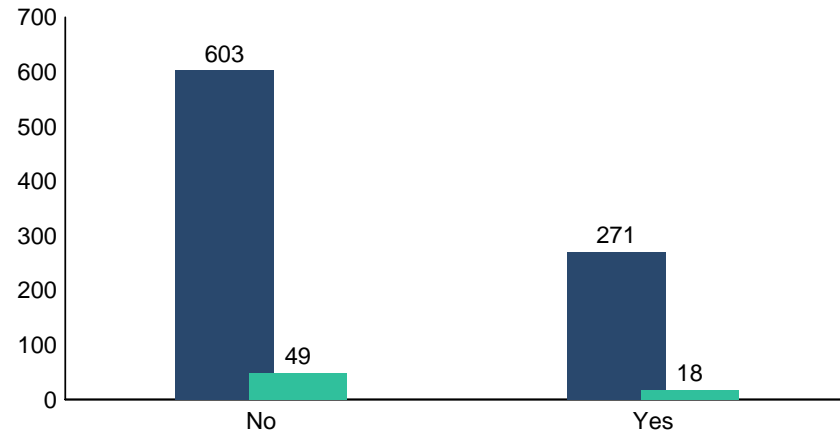
Source: NRMP Data Warehouse and AAMC Data Warehouse.

**Other Characteristics of U.S. Seniors**  
*Obstetrics and Gynecology*

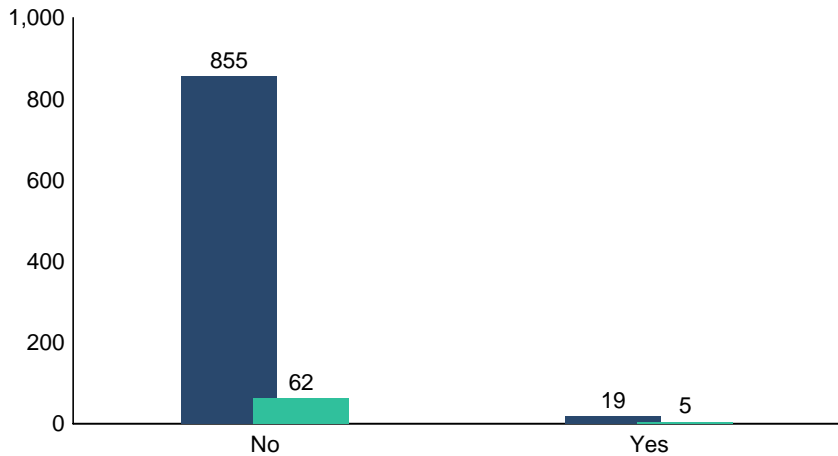
**AOA Membership**



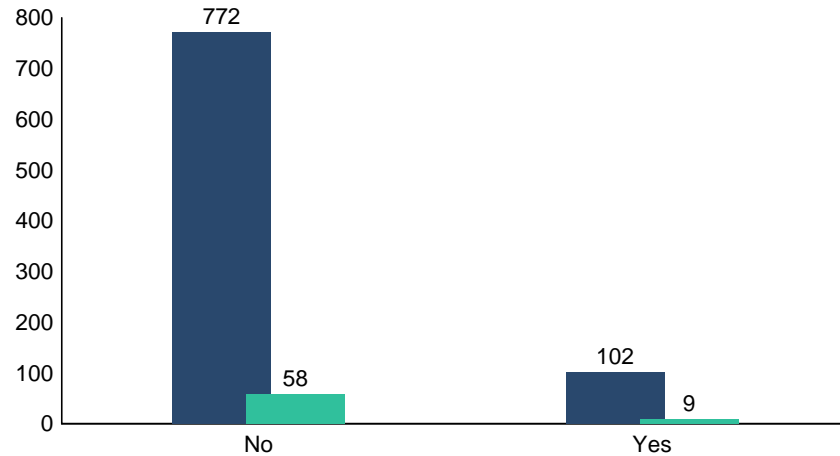
**Graduate of One of the 40 U.S. Medical Schools with the Highest NIH Funding**



**Ph.D. Degree**



**Other Graduate Degree**



Sources: AOA membership from the AAMC Data Warehouse, NIH awards from <http://report.nih.gov/award/trends/AggregateData.cfm> Medical Schools Only.xls, Ph.D. and other graduate degrees from the AAMC Data Warehouse

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**ORS** Orthopaedic Surgery

**Table** **Summary Statistics**  
**ORS-1** **Orthopaedic Surgery**

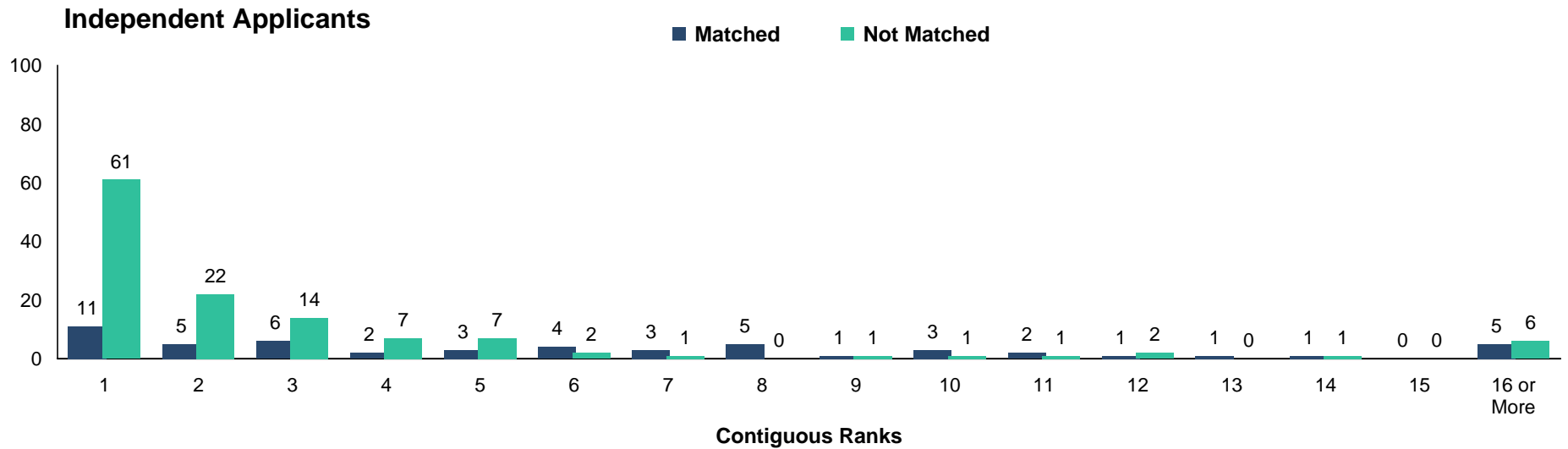
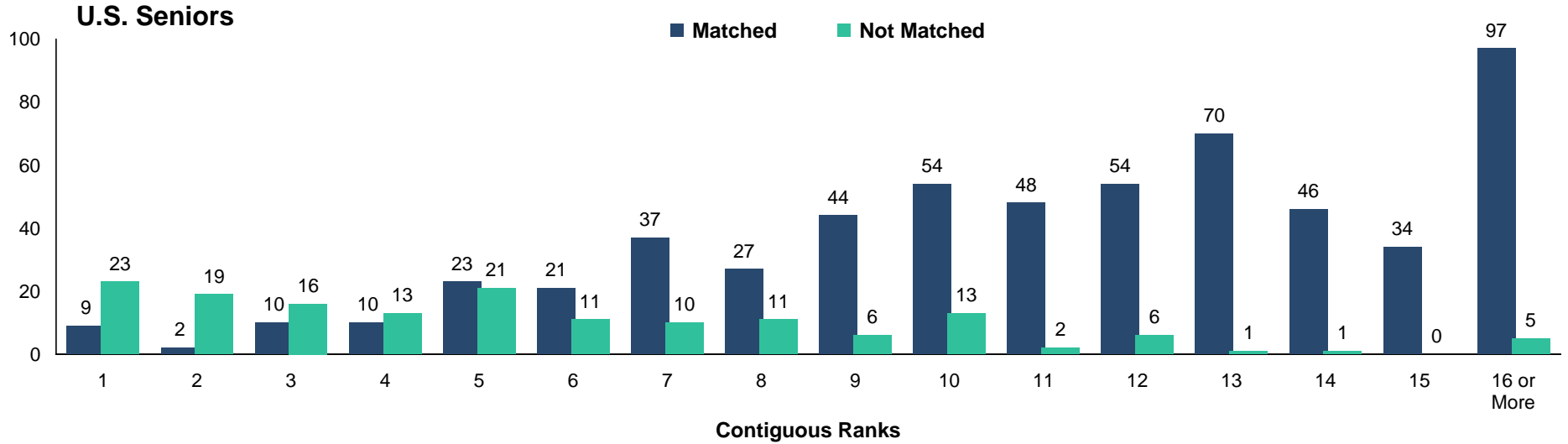
Measure	U.S. Seniors		Independent Applicants	
	Matched (n=586)	Unmatched (n=158)	Matched (n=53)	Unmatched (n=126)
1. Mean number of contiguous ranks	11.5	5.6	6.4	3.7
2. Mean number of distinct specialties ranked	1.1	1.4	1.2	1.5
3. Mean USMLE Step 1 score	238	221	226	217
4. Mean USMLE Step 2 score	241	222	228	215
5. Mean number of research experiences	2.7	2.5	3.0	2.0
6. Mean number of abstracts, presentations, and publications	4.1	2.7	7.3	4.3
7. Mean number of work experiences	2.5	2.8	3.2	3.2
8. Mean number of volunteer experiences	5.8	4.9	5.0	3.7
9. Percentage who are AOA members	27.8	3.8	n/a	n/a
10. Percentage who graduated from one of the 40 U.S. medical schools with the highest NIH funding	37.0	24.1	n/a	n/a
11. Percentage who have Ph.D. degree	2.6	1.3	n/a	n/a
12. Percentage who have another graduate degree	10.4	18.4	n/a	n/a

n/a: The measure either does not apply to, applies to only a small percentage of, or no reliable data were available for independent applicants.

Sources. Measures 1, 2, and match outcome are from the NRMP Data Warehouse; measures 3 and 4 are from the AAMC Data Warehouse and from the ECFMG, both by permission of the NBME and ECFMG; measures 5-9 are from the AAMC Data Warehouse; measure 10 is from the NIH website (<http://report.nih.gov/award/trends/AggregateDate.cfm> Medical Schools Only.xls); and measures 11 and 12 are from the AAMC Data Warehouse.

Note: USMLE Step 1 scores are not available for most osteopathic medical school graduates included in the independent applicant group. Approximately 30 percent of U.S. allopathic medical school seniors do not take the USMLE Step 2 prior to the Match.

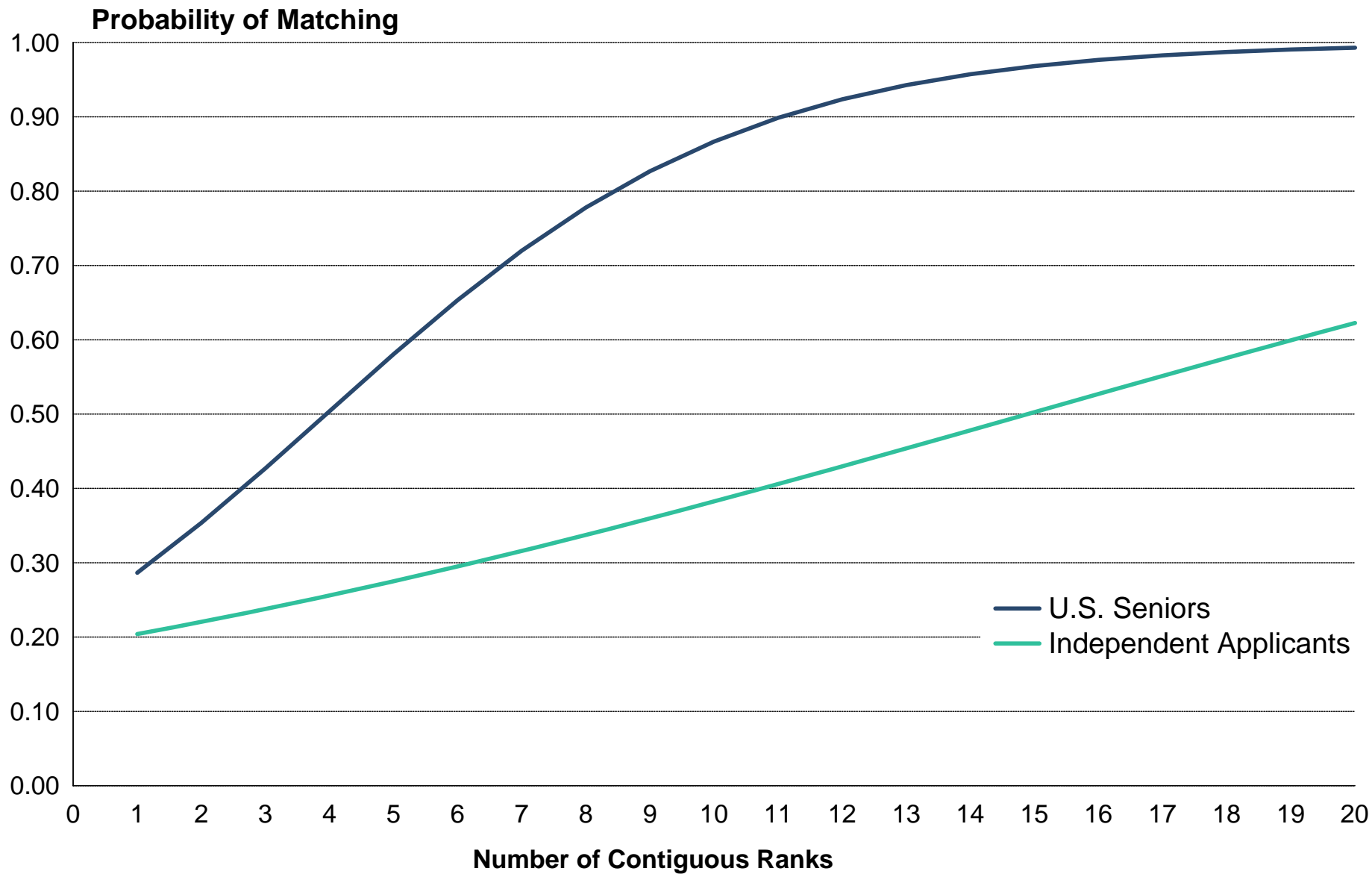
**Number of Contiguous Ranks Within Preferred Specialty  
Orthopaedic Surgery**



Source: NRMP Data Warehouse

# Probability of Matching to Preferred Specialty by Number of Contiguous Ranks

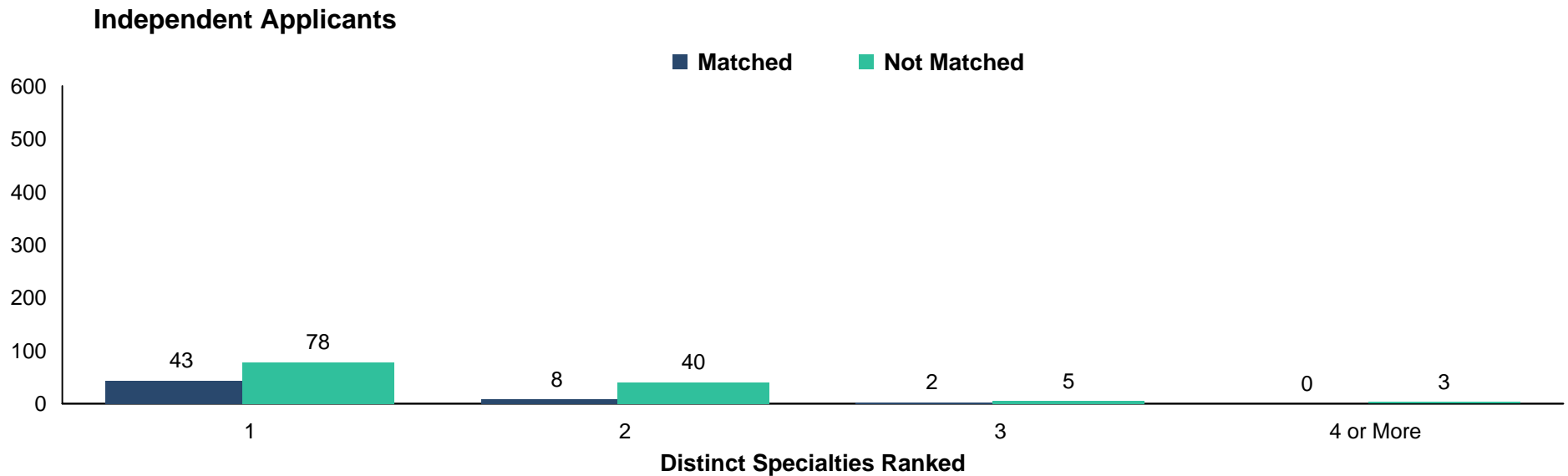
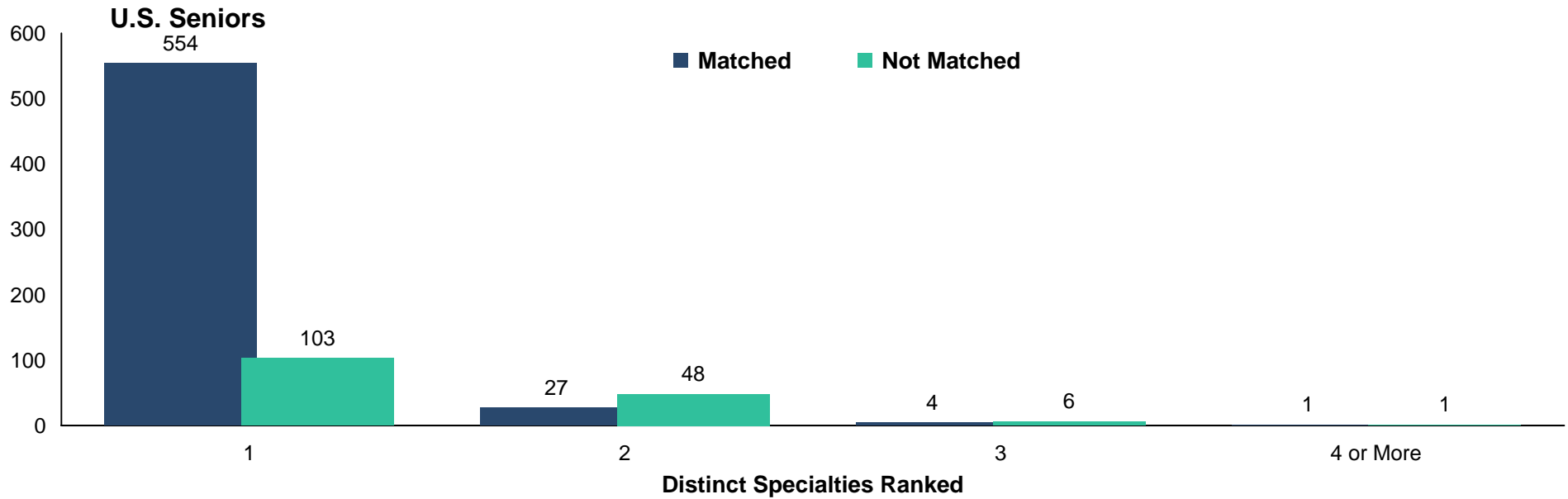
## Orthopaedic Surgery



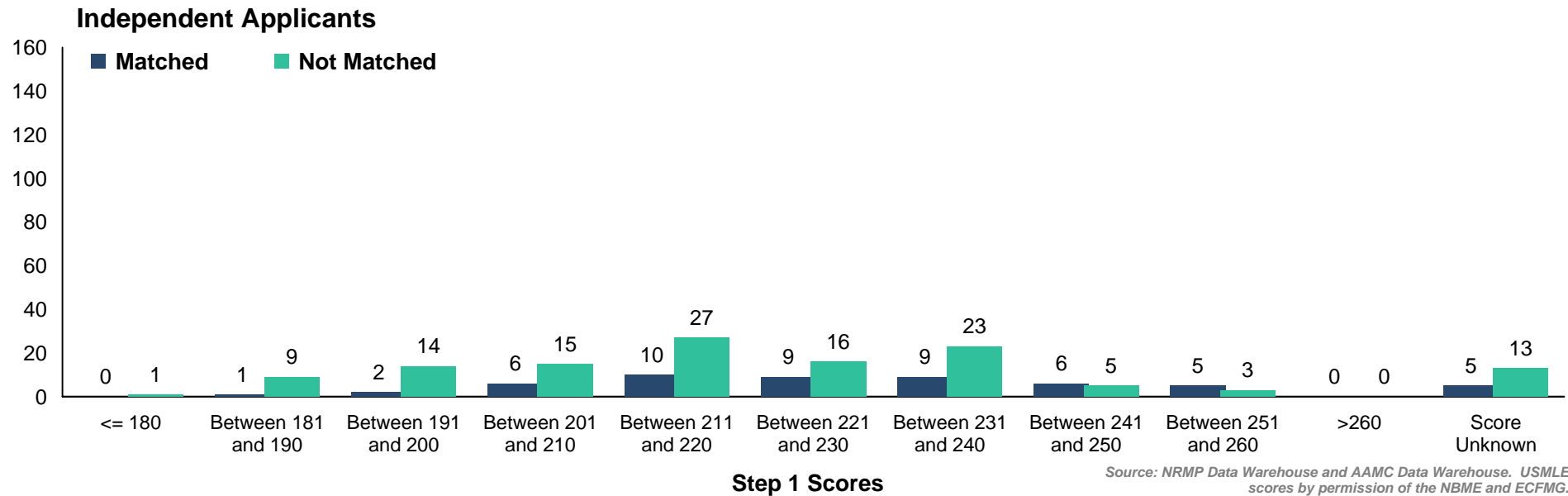
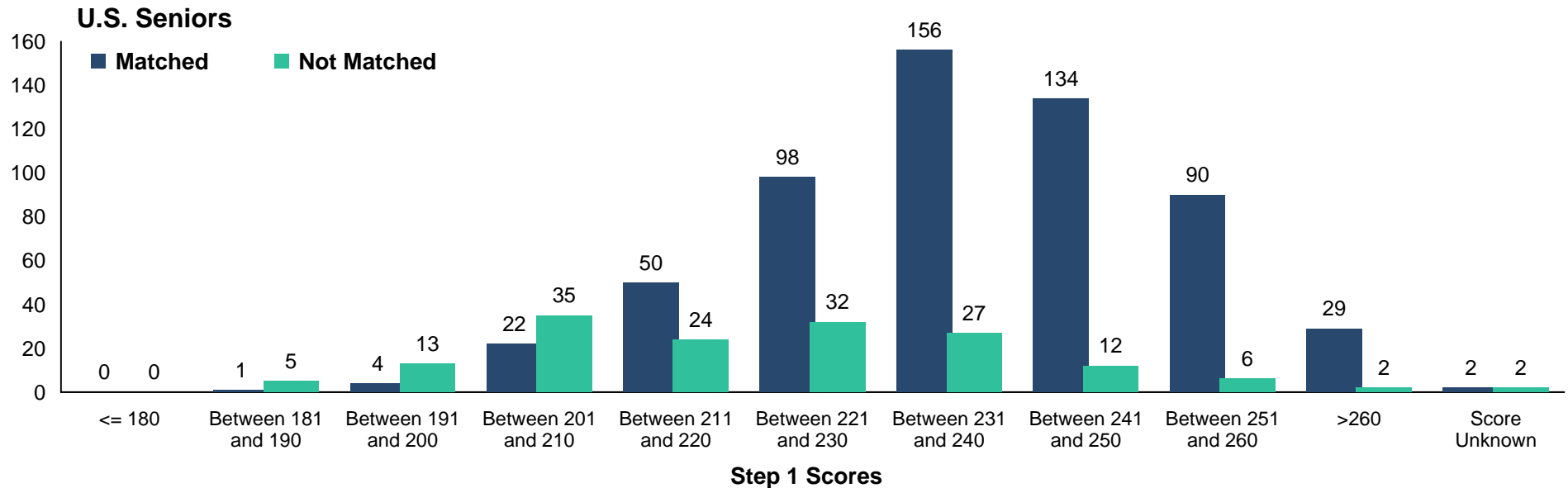
Source: NRMP Data Warehouse. Note: Probabilities calculated based on 2007-2009 applicants.



**Number of Distinct Specialties Ranked**  
*Orthopaedic Surgery*



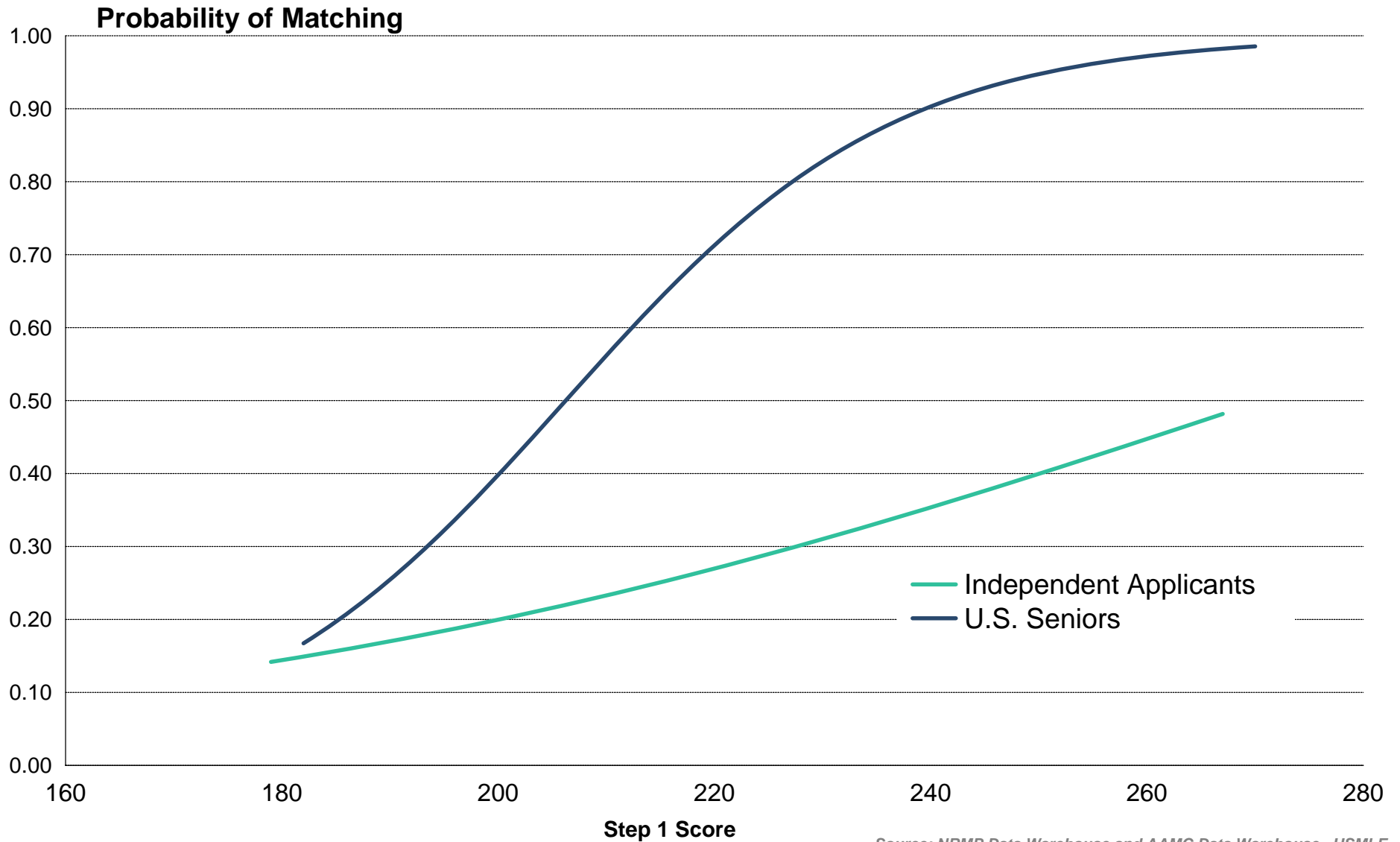
Source: NRMP Data Warehouse



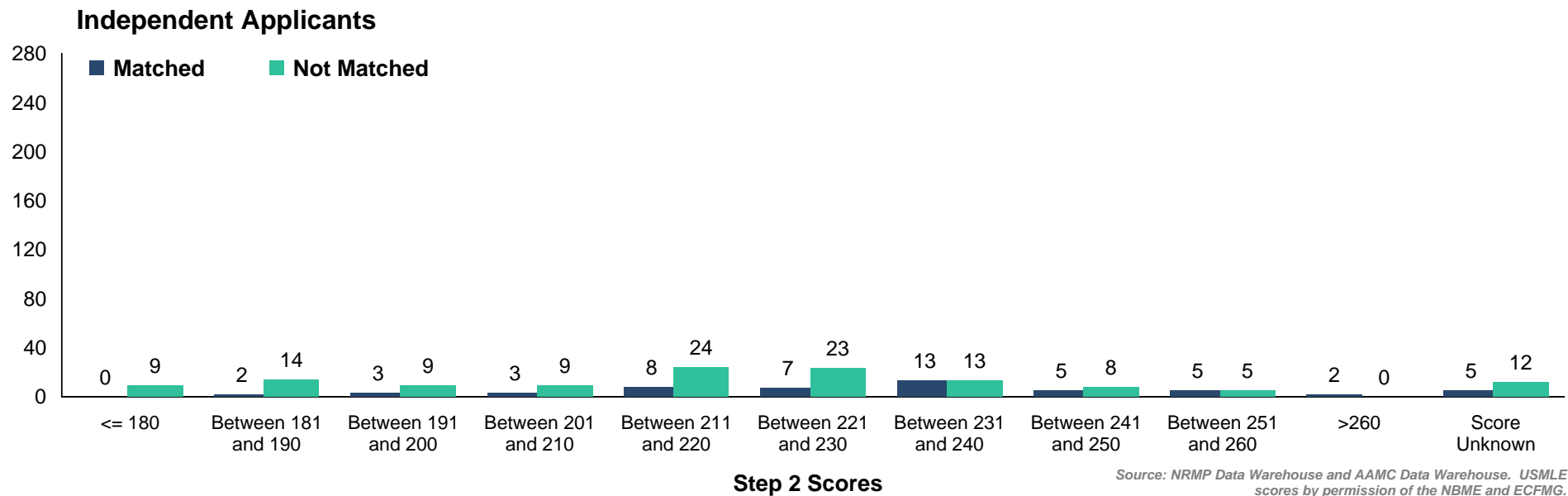
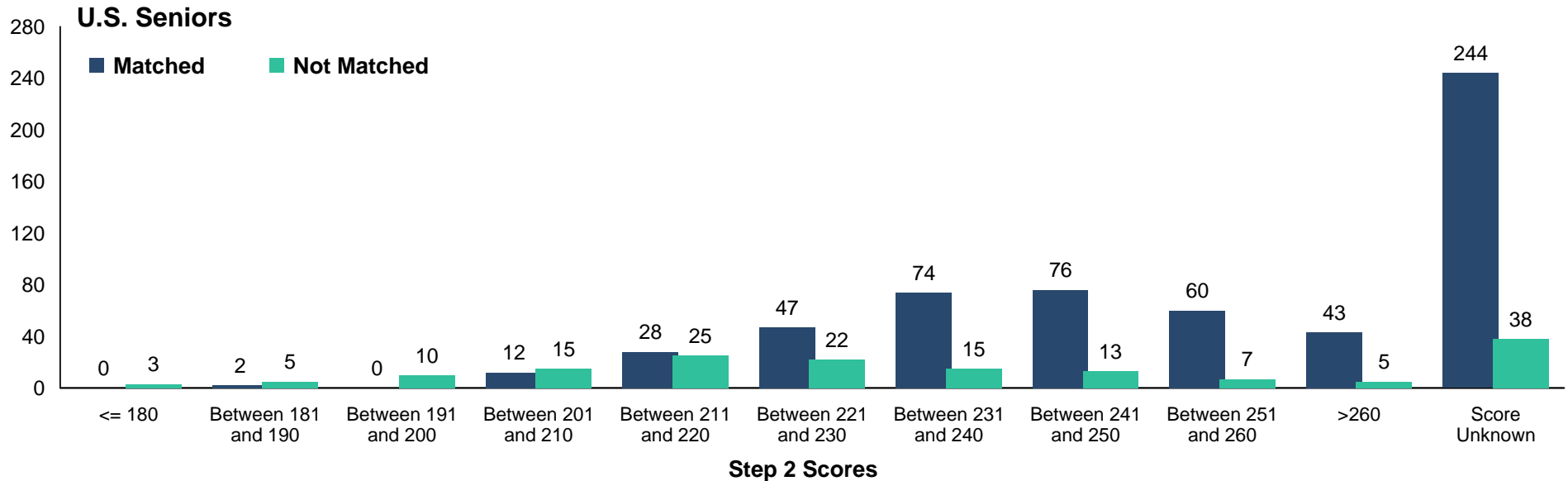
Source: NRMP Data Warehouse and AAMC Data Warehouse. USMLE scores by permission of the NBME and ECFMG.

# Probability of Matching to Preferred Specialty by USMLE Step 1 Score

## Orthopaedic Surgery

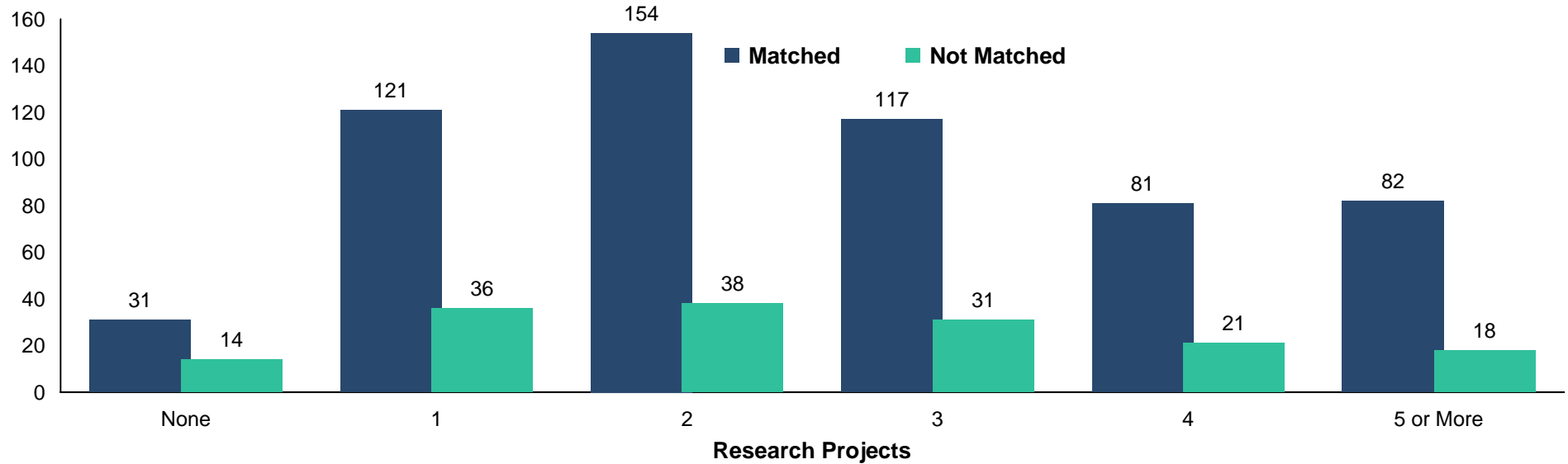


Source: NRMP Data Warehouse and AAMC Data Warehouse. USMLE scores by permission of the NBME and ECFMG. Note: Probabilities calculated based on 2007-2009 applicants.

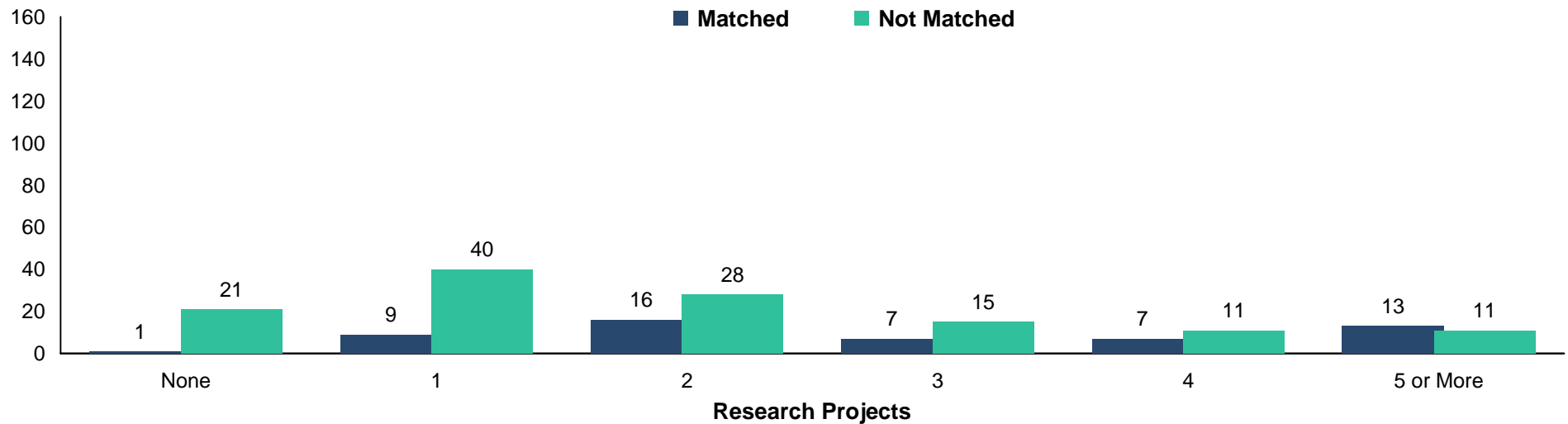


Source: NRMP Data Warehouse and AAMC Data Warehouse. USMLE scores by permission of the NBME and ECFMG.

**U.S. Seniors**

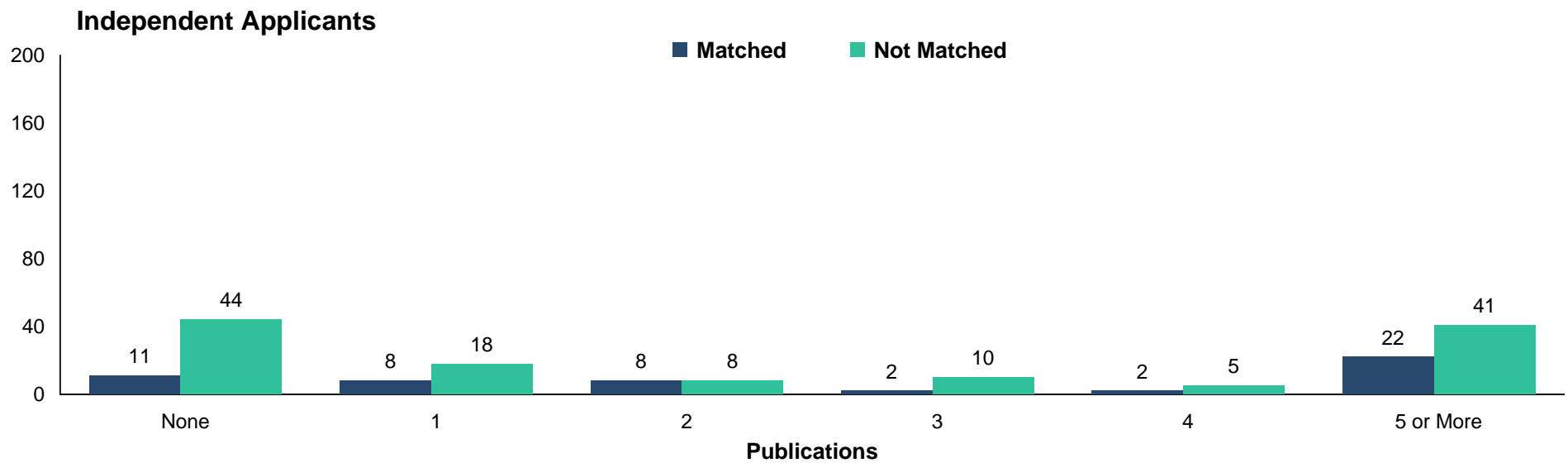
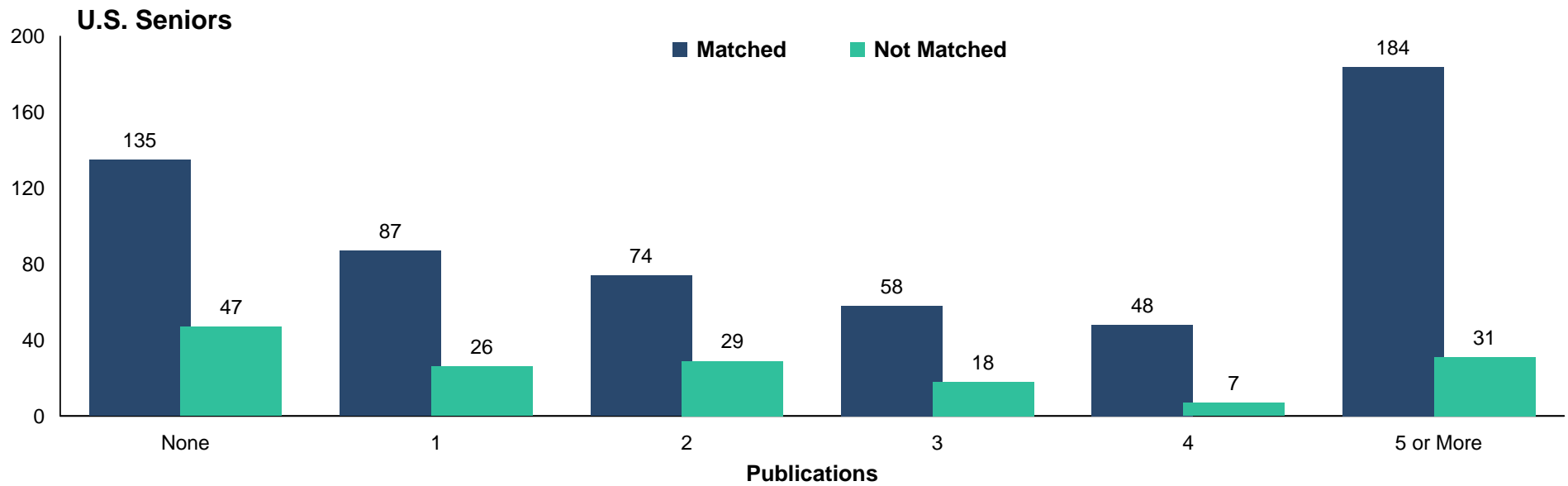


**Independent Applicants**

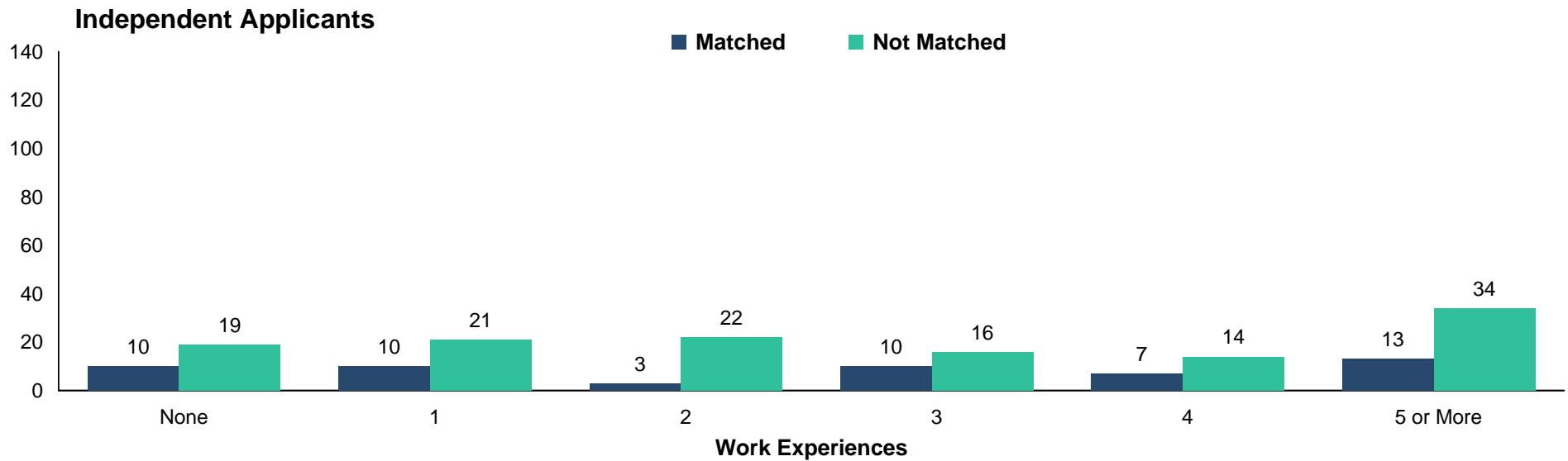
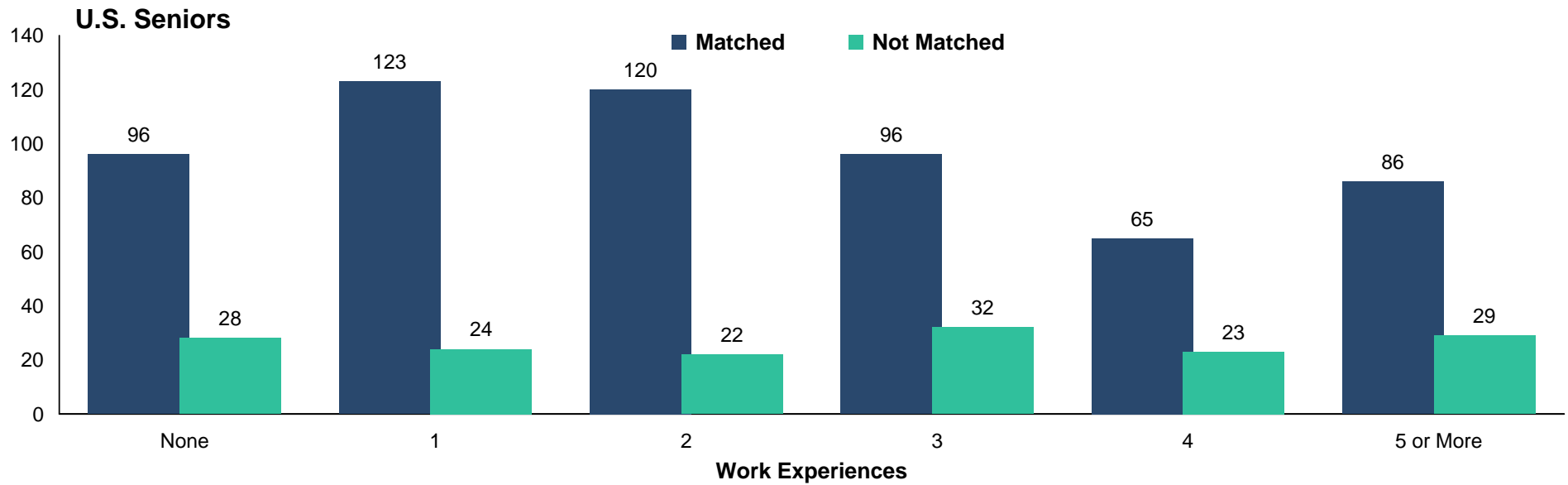


Source: NRMP Data Warehouse and AAMC Data Warehouse

**Number of Abstracts, Presentations, and Publications  
Orthopaedic Surgery**

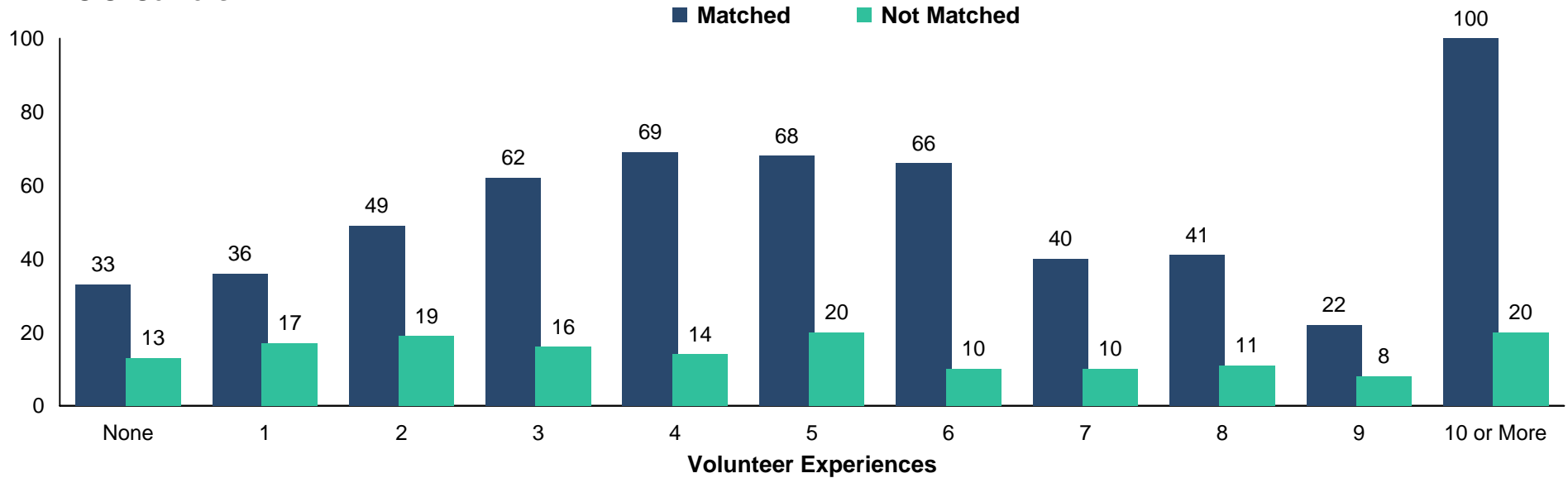


Source: NRMP Data Warehouse and AAMC Data Warehouse

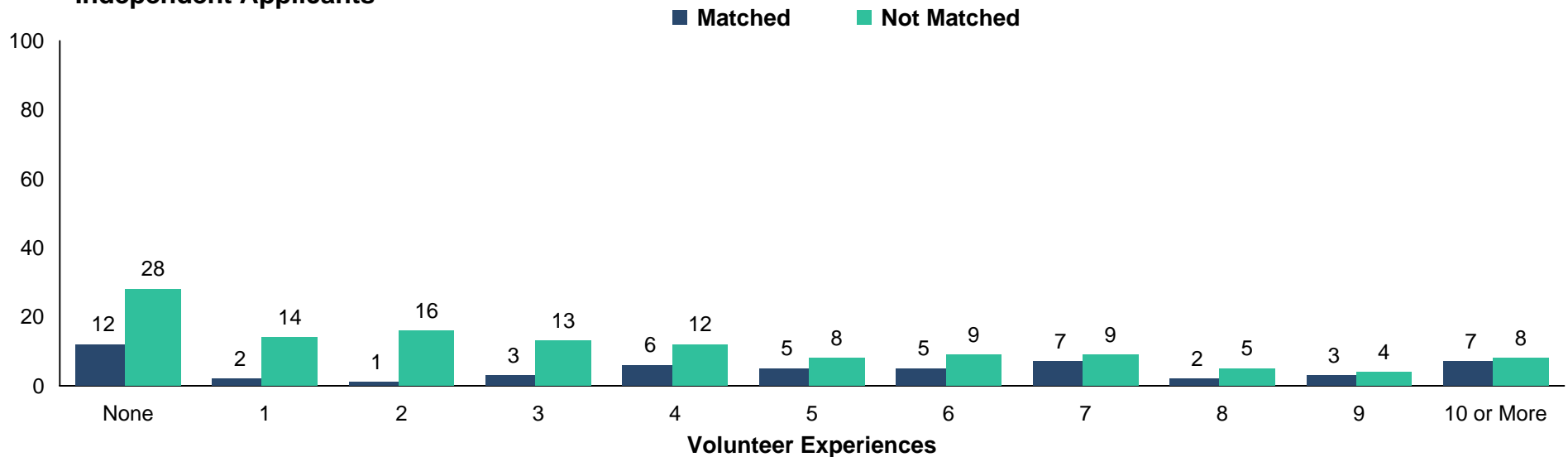


Source: NRMP Data Warehouse and AAMC Data Warehouse

**U.S. Seniors**



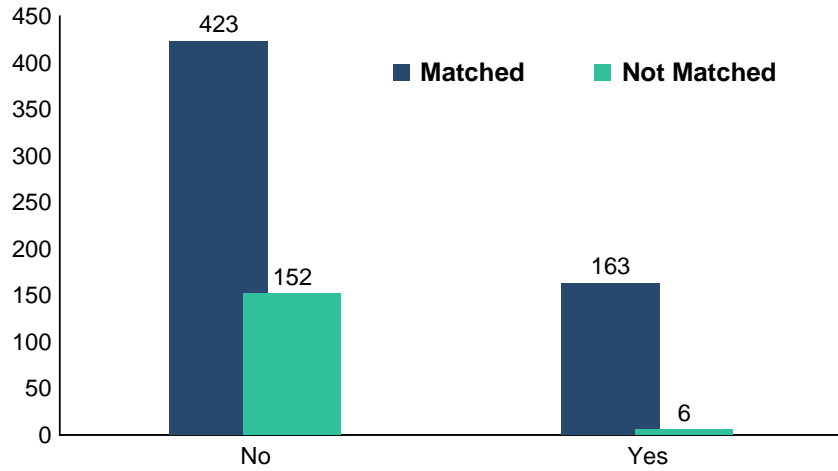
**Independent Applicants**



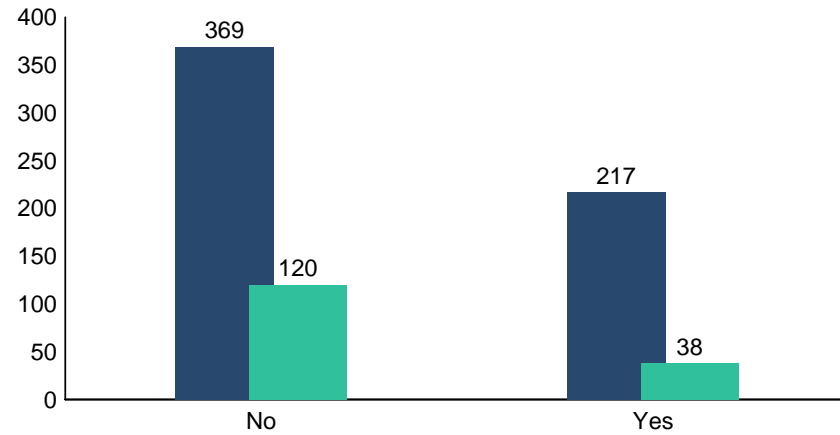
Source: NRMP Data Warehouse and AAMC Data Warehouse.



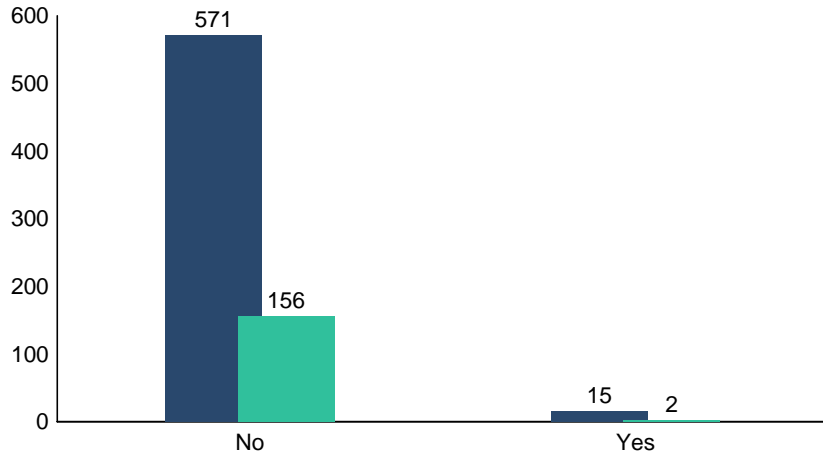
**AOA Membership**



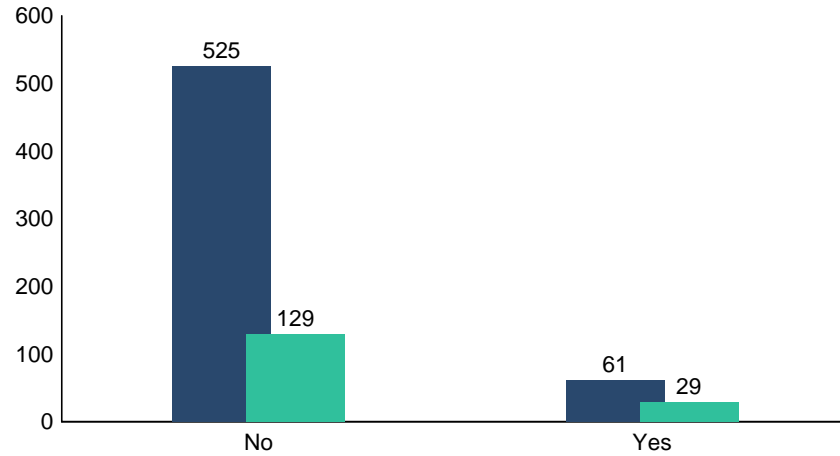
**Graduate of One of the 40 U.S. Medical Schools with the Highest NIH Funding**



**Ph.D. Degree**



**Other Graduate Degree**



Sources: AOA membership from the AAMC Data Warehouse, NIH awards from <http://report.nih.gov/award/trends/AggregateData.cfm> Medical Schools Only.xls, Ph.D. and other graduate degrees from the AAMC Data Warehouse

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**OTO** Otolaryngology

**Table** **Summary Statistics**  
**OTO-1** *Otolaryngology*

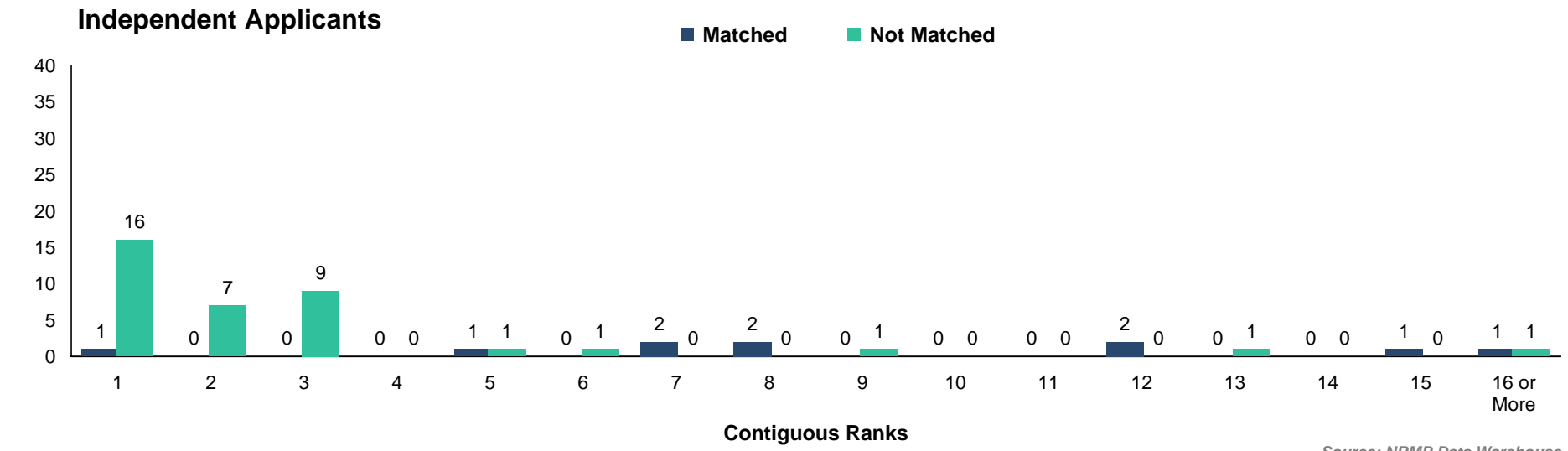
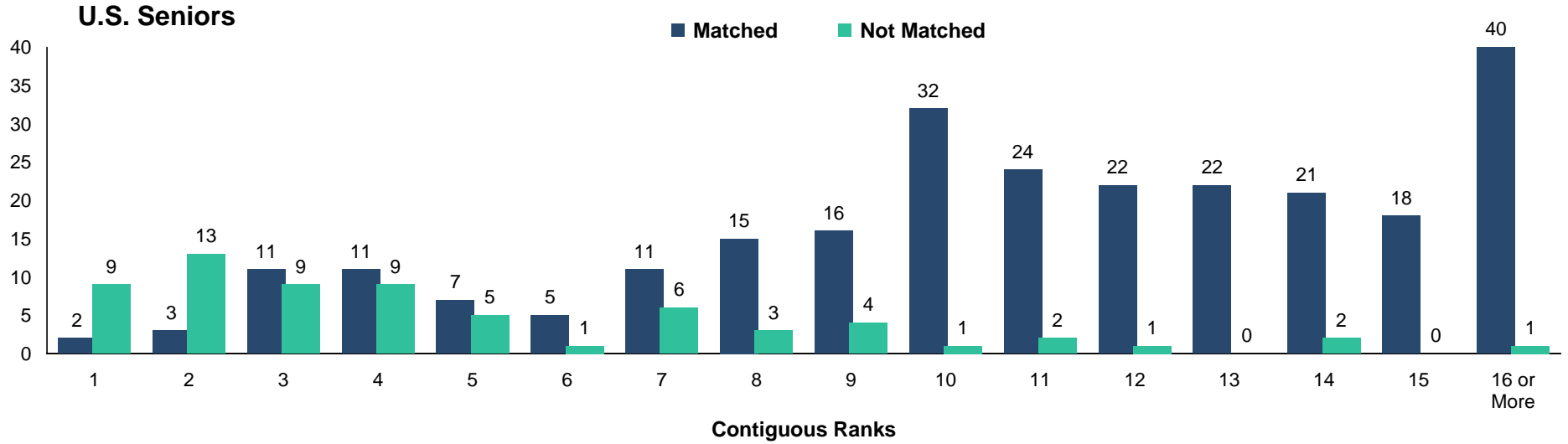
Measure	U.S. Seniors		Independent Applicants	
	Matched (n=260)	Unmatched (n=66)	Matched (n=10)	Unmatched (n=37)
1. Mean number of contiguous ranks	11.2	4.8	9.4	2.9
2. Mean number of distinct specialties ranked	1.1	1.4	1.0	1.5
3. Mean USMLE Step 1 score	240	223	230	216
4. Mean USMLE Step 2 score	246	227	232	218
5. Mean number of research experiences	3.4	2.9	2.8	2.2
6. Mean number of abstracts, presentations, and publications	4.1	3.3	11.8	5.8
7. Mean number of work experiences	2.6	2.8	2.5	2.5
8. Mean number of volunteer experiences	6.9	6.5	3.2	3.4
9. Percentage who are AOA members	36.9	9.1	n/a	n/a
10. Percentage who graduated from one of the 40 U.S. medical schools with the highest NIH funding	40.0	21.2	n/a	n/a
11. Percentage who have Ph.D. degree	2.7	1.5	n/a	n/a
12. Percentage who have another graduate degree	11.2	12.1	n/a	n/a

n/a: The measure either does not apply to, applies to only a small percentage of, or no reliable data were available for independent applicants.

Sources. Measures 1, 2, and match outcome are from the NRMP Data Warehouse; measures 3 and 4 are from the AAMC Data Warehouse and from the ECFMG, both by permission of the NBME and ECFMG; measures 5-9 are from the AAMC Data Warehouse; measure 10 is from the NIH website (<http://report.nih.gov/award/trends/AggregateDate.cfm> Medical Schools Only.xls); and measures 11 and 12 are from the AAMC Data Warehouse.

Note: USMLE Step 1 scores are not available for most osteopathic medical school graduates included in the independent applicant group. Approximately 30 percent of U.S. allopathic medical school seniors do not take the USMLE Step 2 prior to the Match.

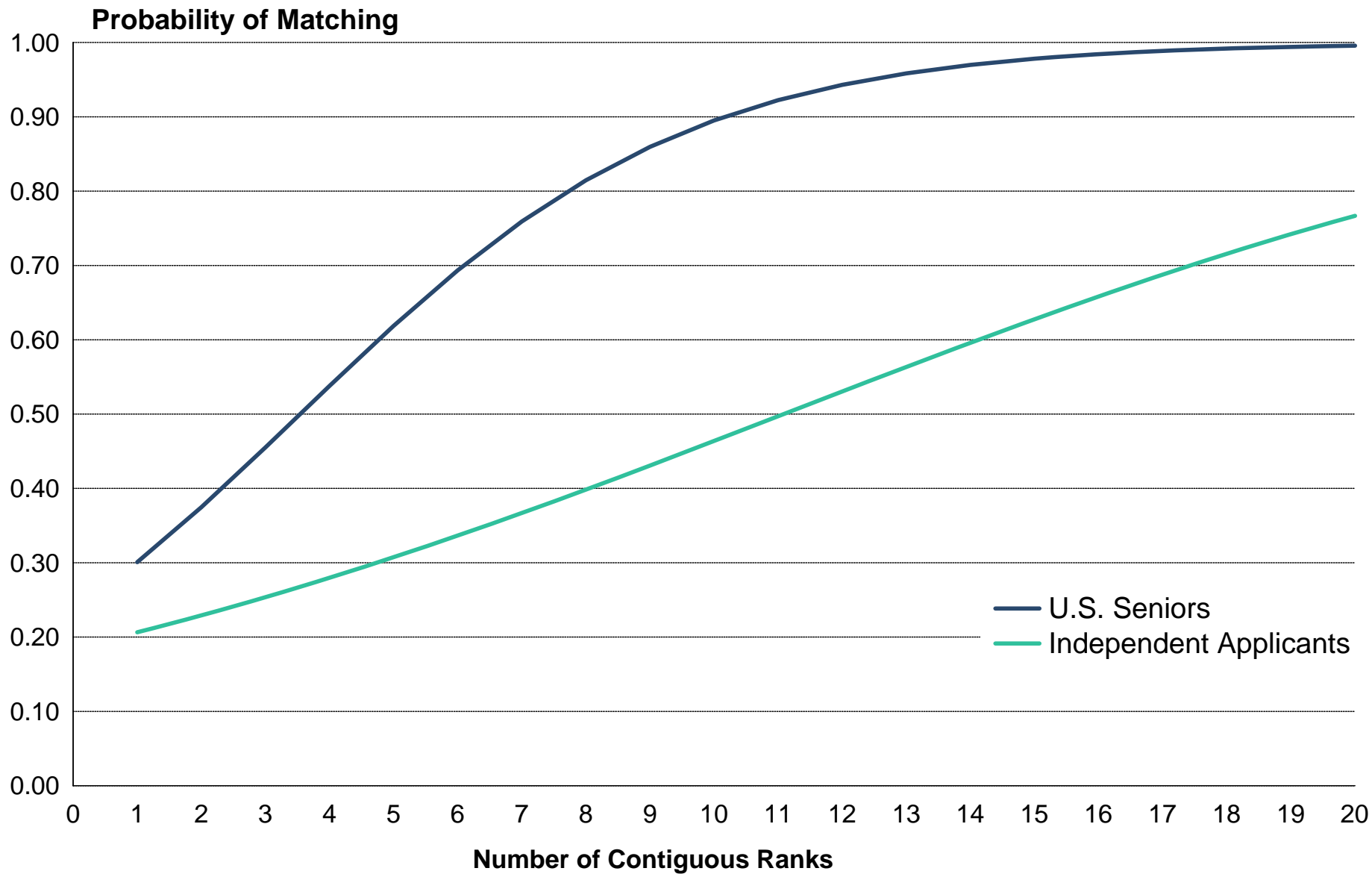
**Number of Contiguous Ranks Within Preferred Specialty**  
*Otolaryngology*



Source: NRMP Data Warehouse

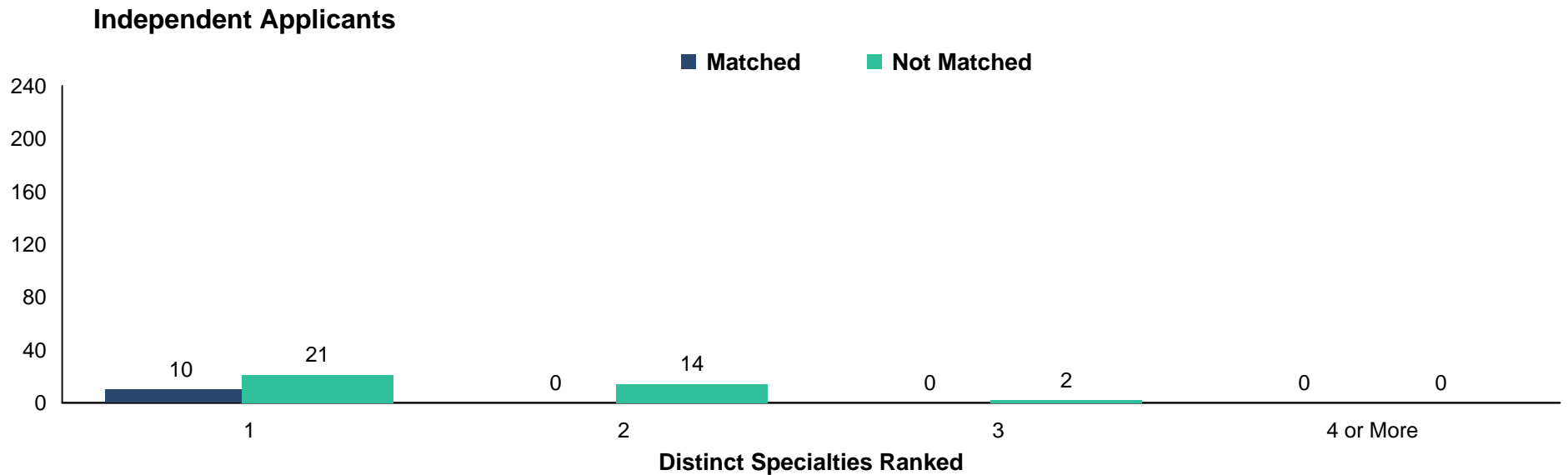
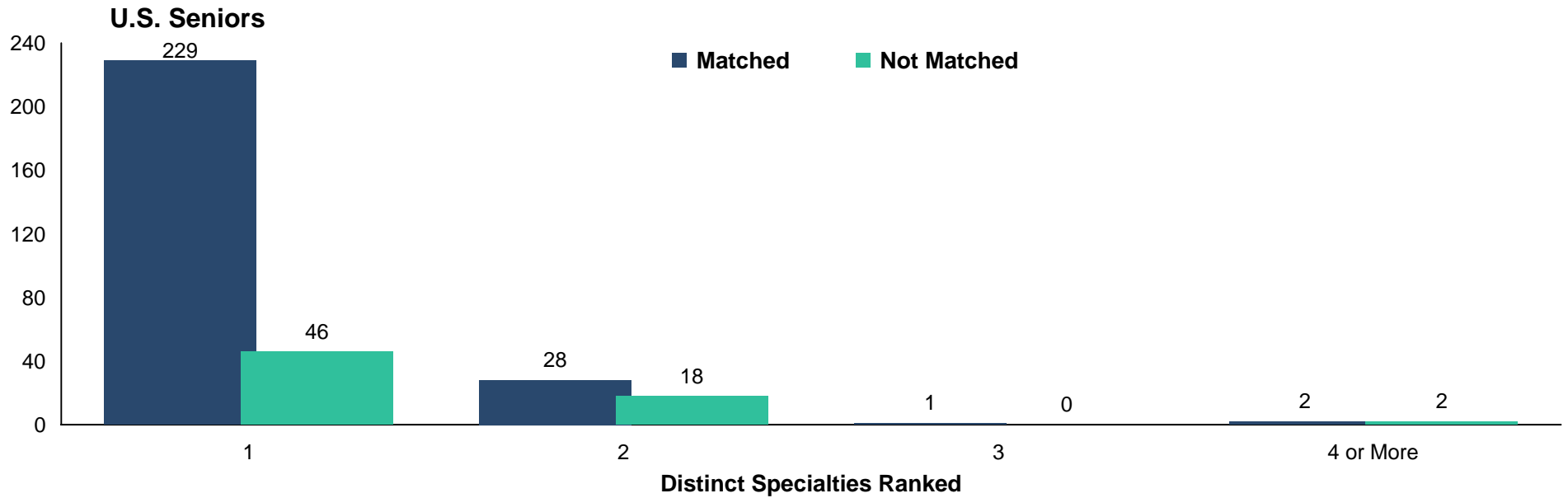
# Probability of Matching to Preferred Specialty by Number of Contiguous Ranks

## Otolaryngology

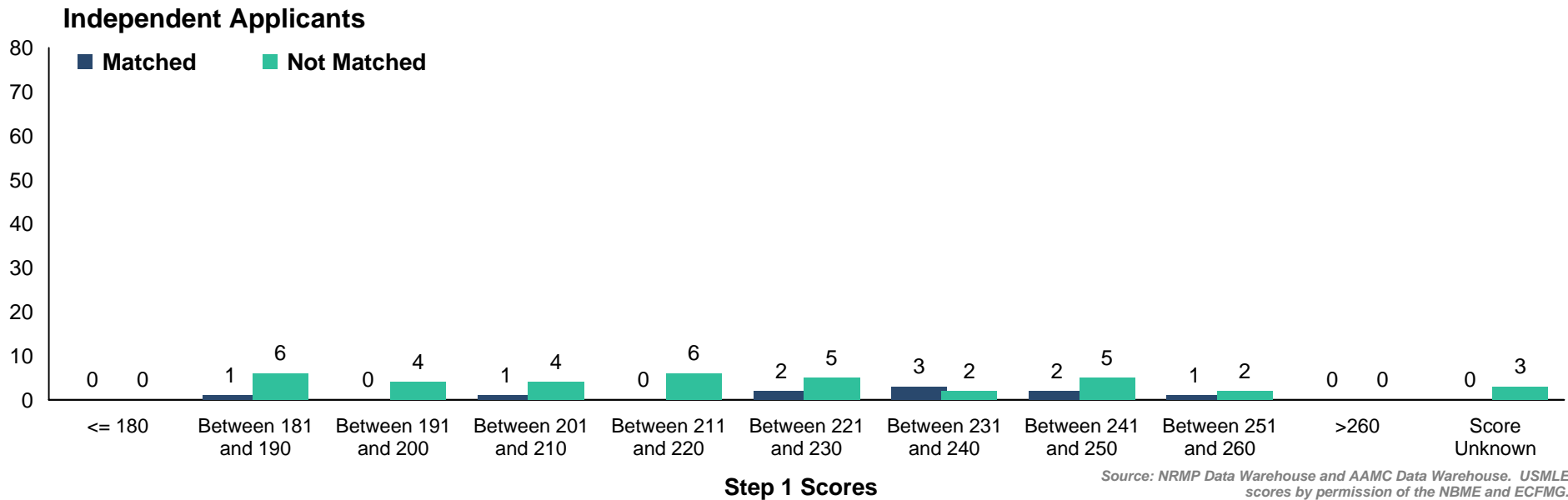
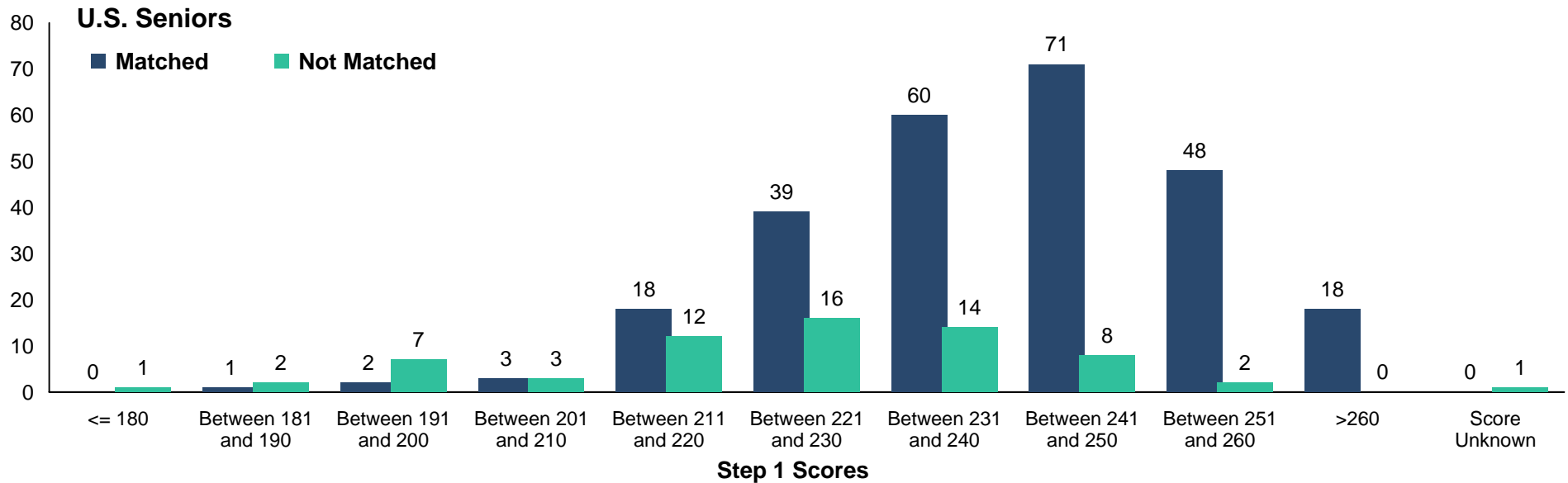


Source: NRMP Data Warehouse. Note: Probabilities calculated based on 2007-2009 applicants.

**Number of Distinct Specialties Ranked**  
*Otolaryngology*



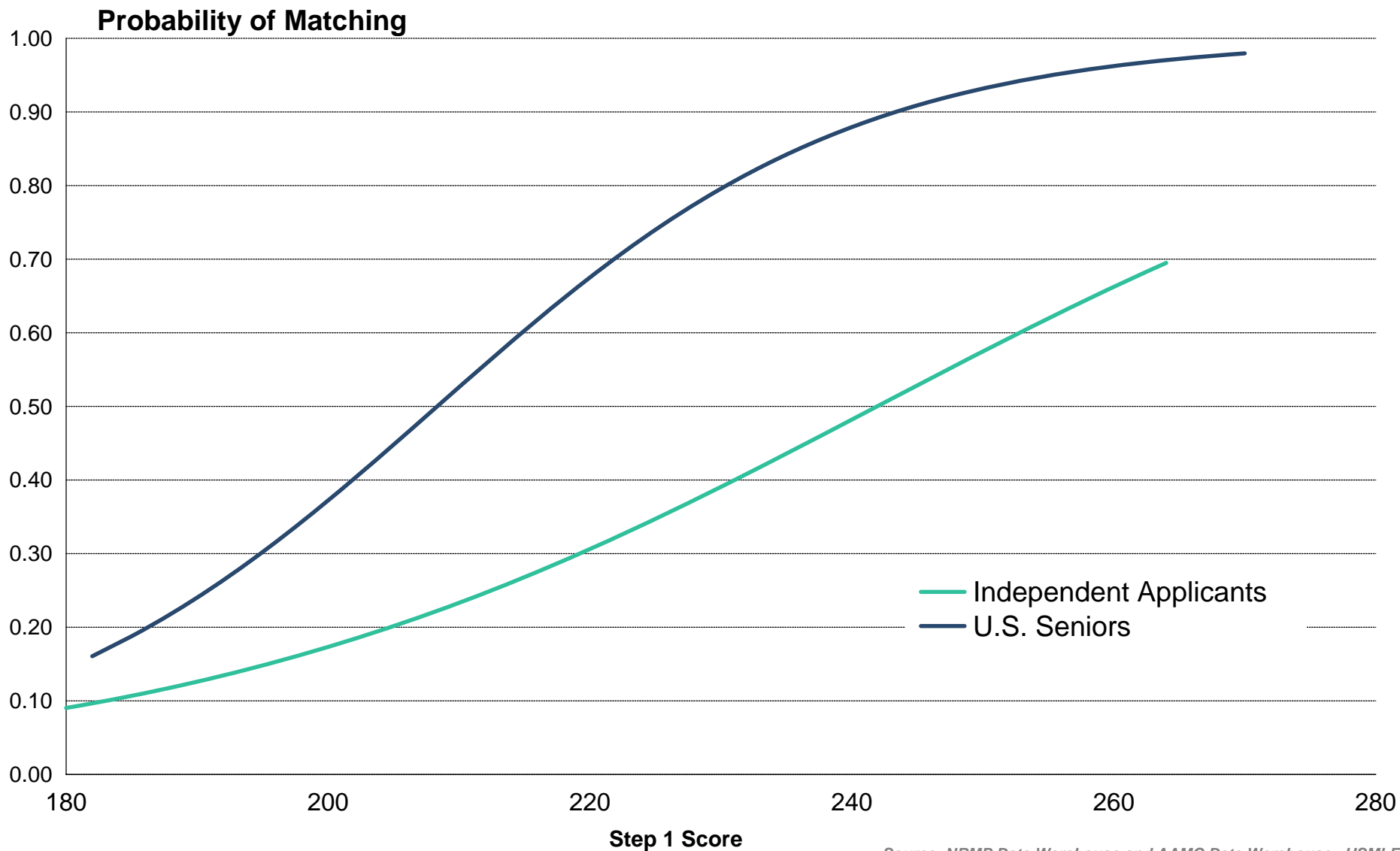
Source: NRMP Data Warehouse



Source: NRMP Data Warehouse and AAMC Data Warehouse. USMLE scores by permission of the NBME and ECFMG.

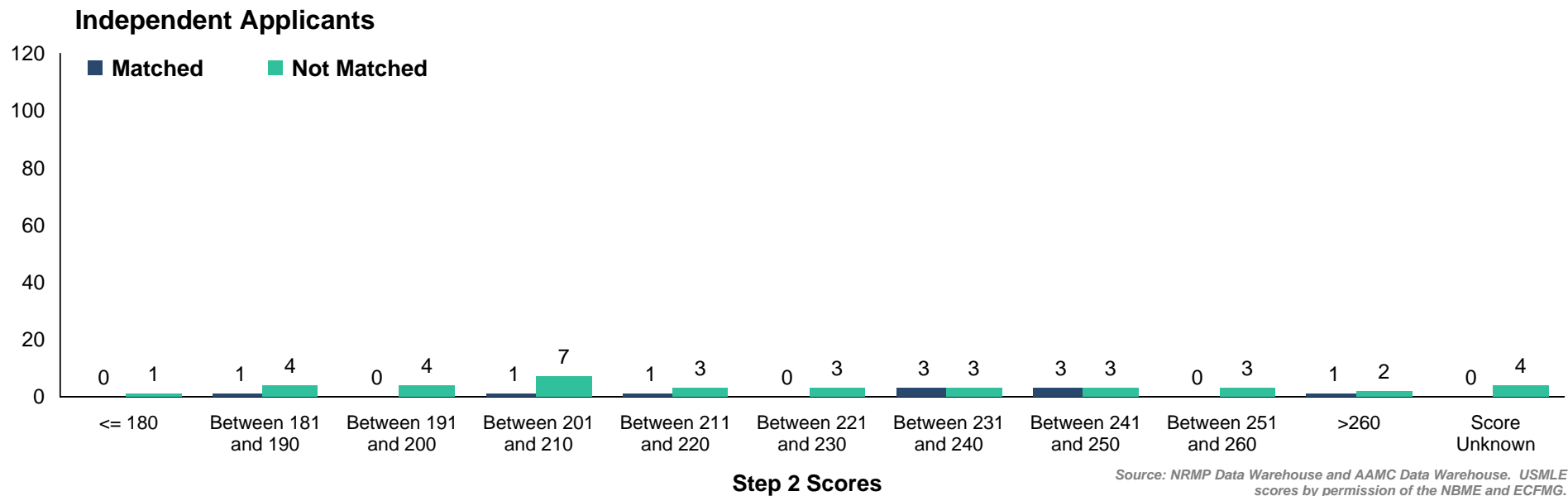
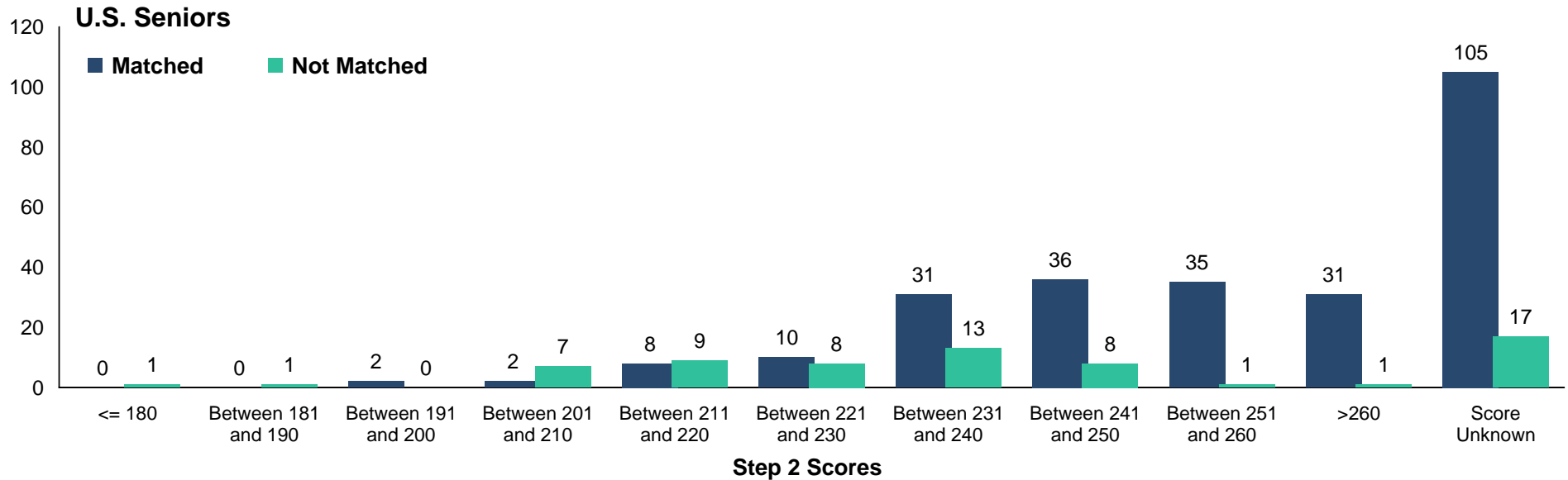
# Probability of Matching to Preferred Specialty by USMLE Step 1 Score

## Otolaryngology



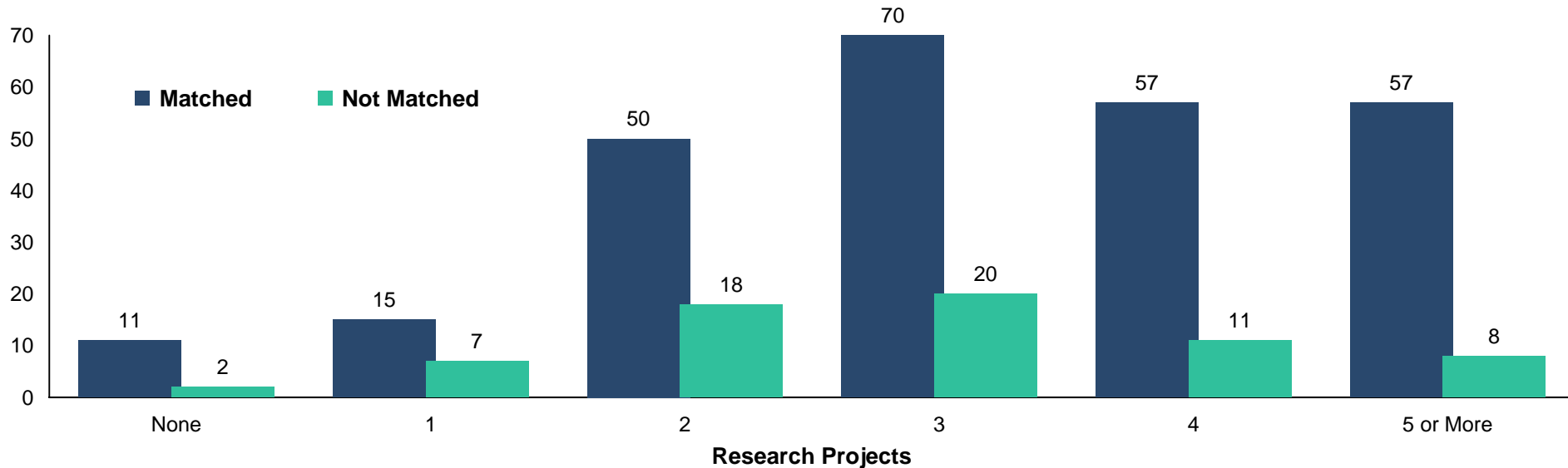
Source: NRMP Data Warehouse and AAMC Data Warehouse. USMLE scores by permission of the NBME and ECFMG. Note: Probabilities calculated based on 2007-2009 applicants.



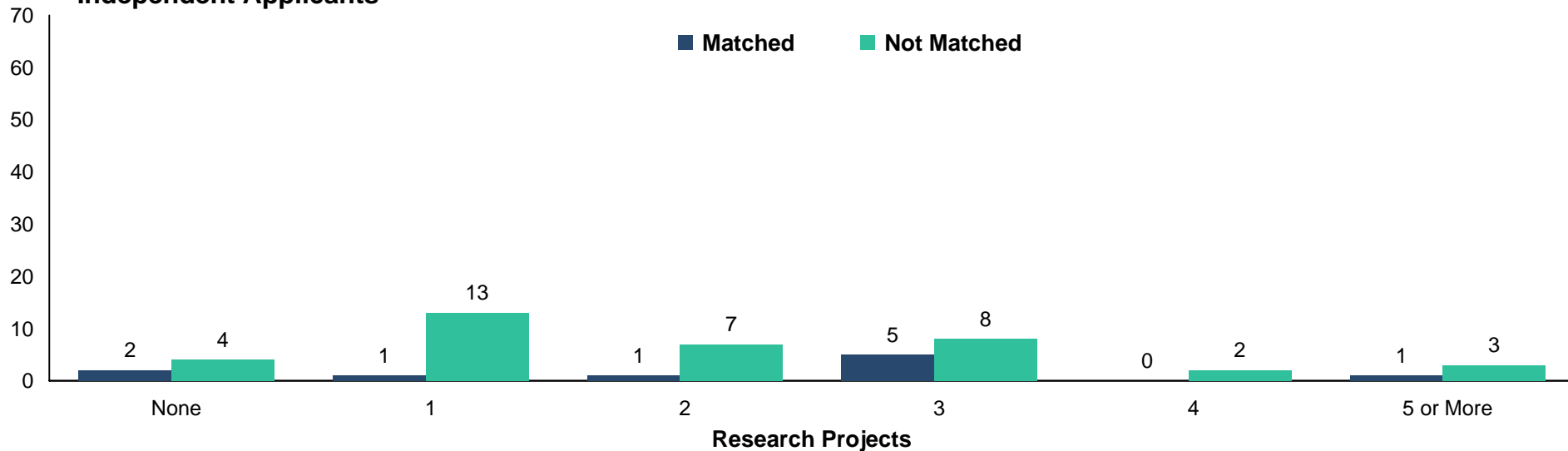


Source: NRMP Data Warehouse and AAMC Data Warehouse. USMLE scores by permission of the NBME and ECFMG.

**U.S. Seniors**

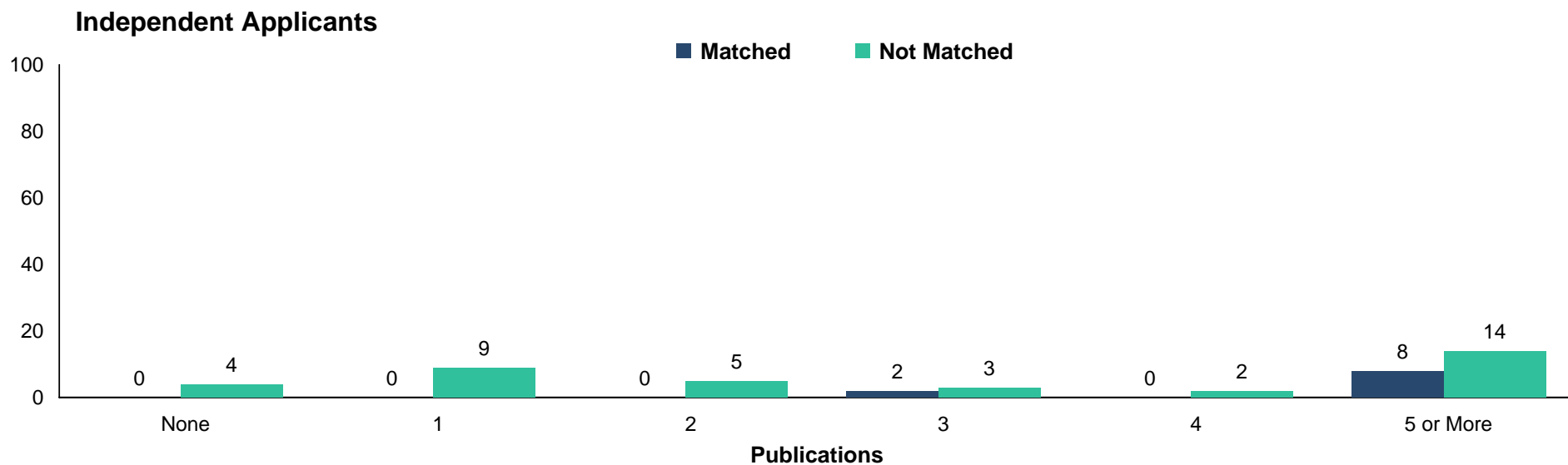
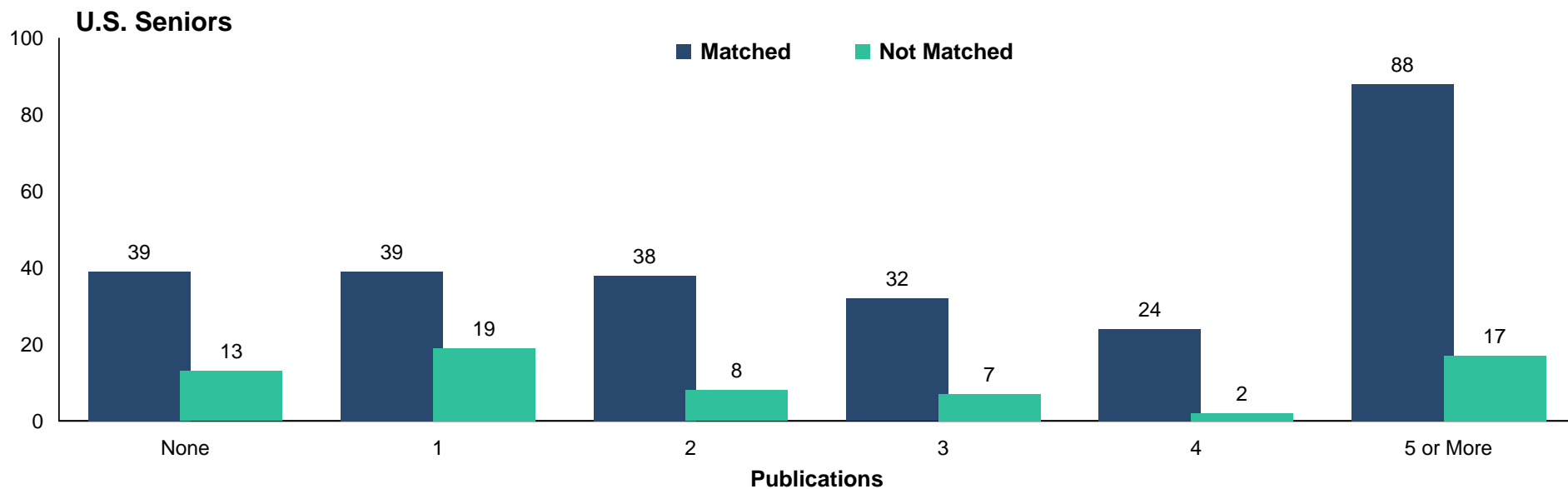


**Independent Applicants**



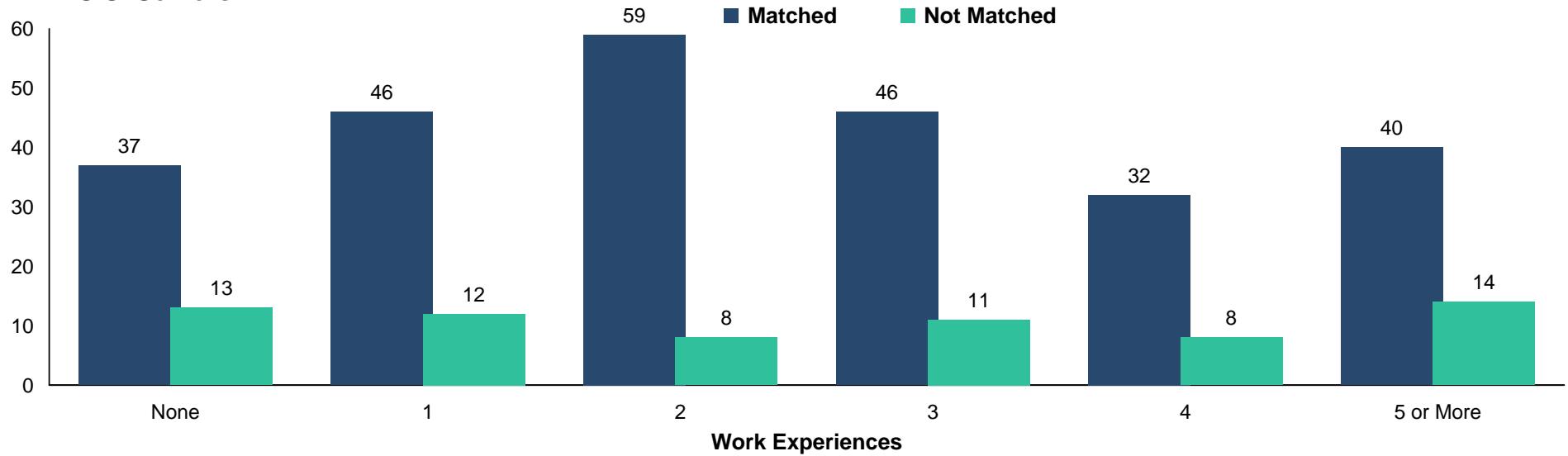
Source: NRMP Data Warehouse and AAMC Data Warehouse

**Number of Abstracts, Presentations, and Publications**  
*Otolaryngology*

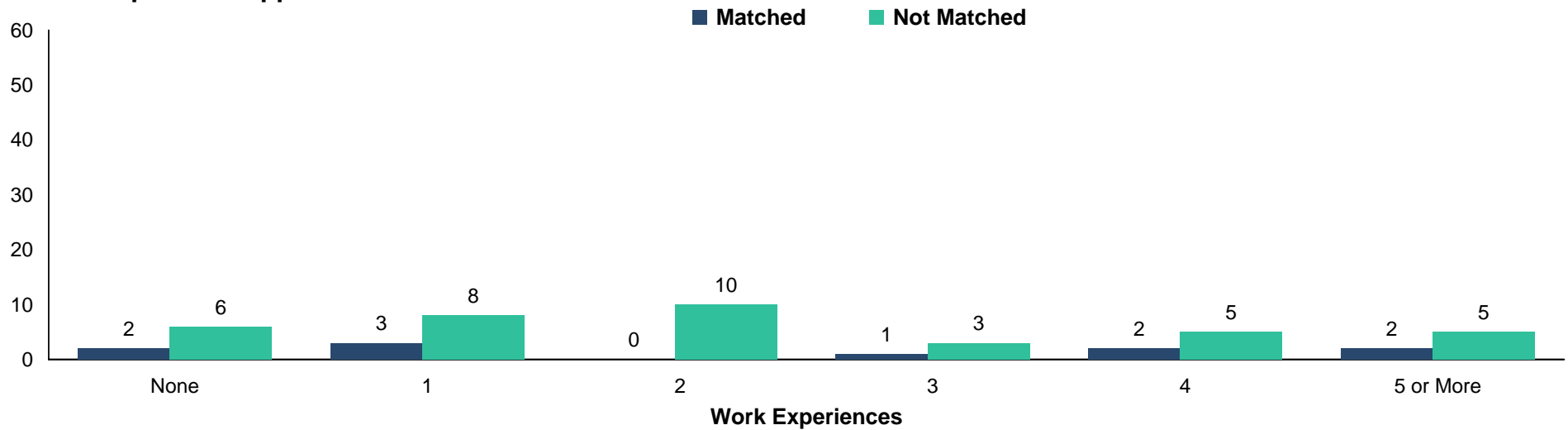


Source: NRMP Data Warehouse and AAMC Data Warehouse

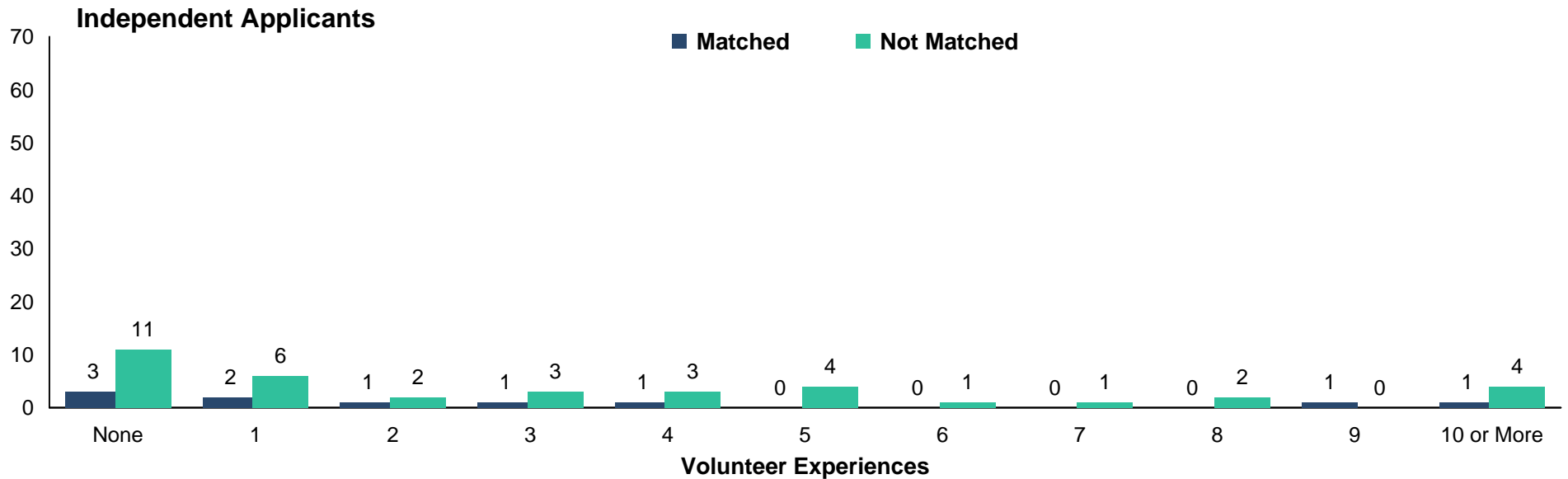
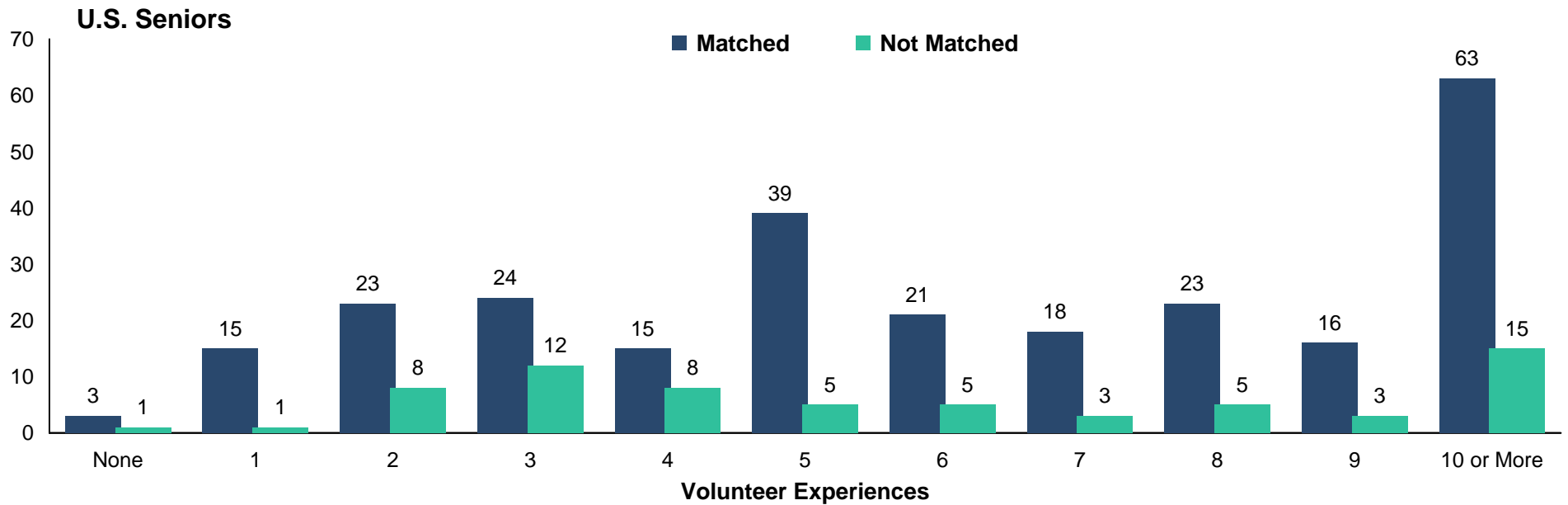
**U.S. Seniors**



**Independent Applicants**

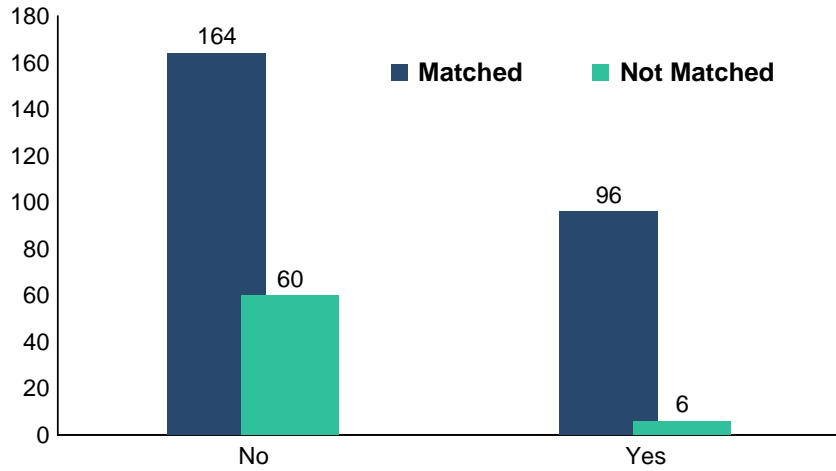


Source: NRMP Data Warehouse and AAMC Data Warehouse

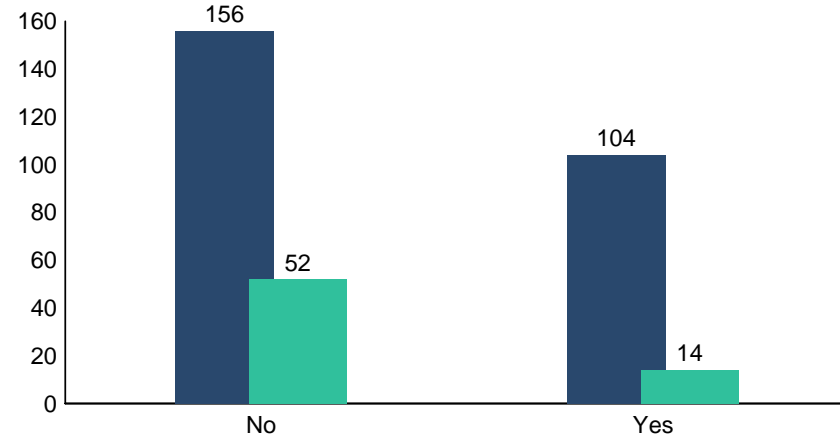


Source: NRMP Data Warehouse and AAMC Data Warehouse.

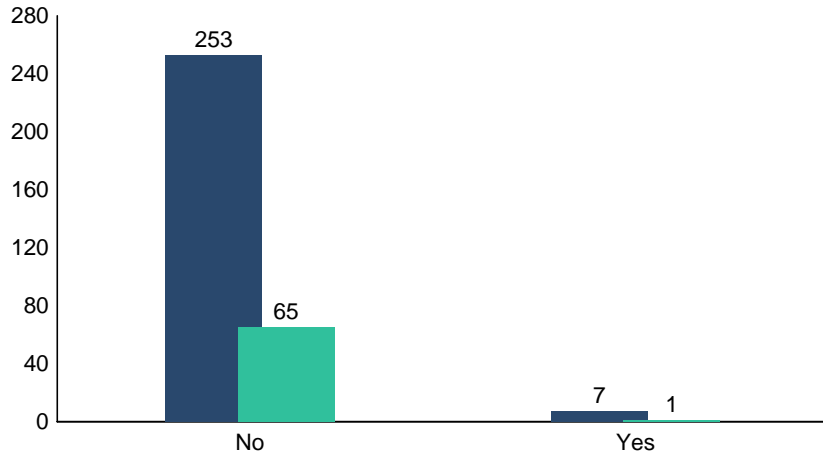
**AOA Membership**



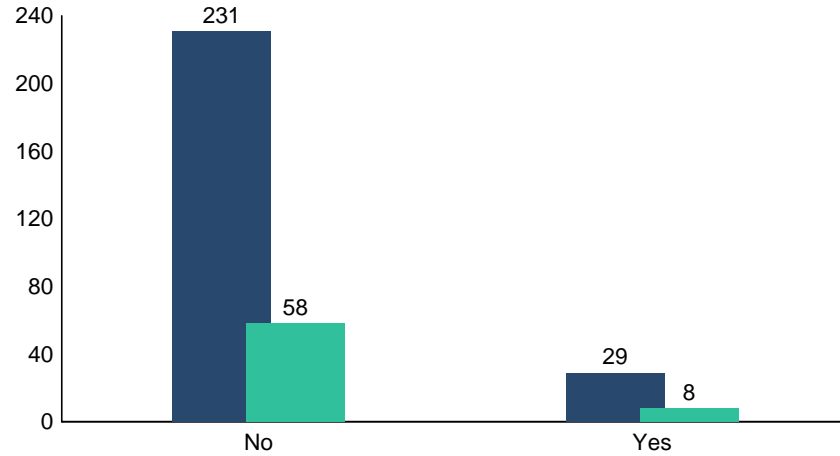
**Graduate of One of the 40 U.S. Medical Schools with the Highest NIH Funding**



**Ph.D. Degree**



**Other Graduate Degree**



Sources. AOA membership from the AAMC Data Warehouse, NIH awards from <http://report.nih.gov/award/trends/AggregateData.cfm> Medical Schools Only.xls, Ph.D. and other graduate degrees from the AAMC Data Warehouse

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**PTH** Pathology-Anatomic and Clinical

**Table PTH-1** **Summary Statistics**  
*Pathology-Anatomic and Clinical*

Measure	U.S. Seniors		Independent Applicants	
	Matched (n=315)	Unmatched (n=21)	Matched (n=164)	Unmatched (n=208)
1. Mean number of contiguous ranks	8.1	3.9	5.5	2.8
2. Mean number of distinct specialties ranked	1.0	1.0	1.2	1.5
3. Mean USMLE Step 1 score	227	212	223	210
4. Mean USMLE Step 2 score	230	211	222	208
5. Mean number of research experiences	2.1	1.9	1.5	1.5
6. Mean number of abstracts, presentations, and publications	4.0	3.0	6.0	6.2
7. Mean number of work experiences	2.4	2.5	2.6	3.3
8. Mean number of volunteer experiences	4.4	4.0	2.7	1.8
9. Percentage who are AOA members	13.3	0.0	n/a	n/a
10. Percentage who graduated from one of the 40 U.S. medical schools with the highest NIH funding	36.8	28.6	n/a	n/a
11. Percentage who have Ph.D. degree	16.2	4.8	n/a	n/a
12. Percentage who have another graduate degree	8.9	9.5	n/a	n/a

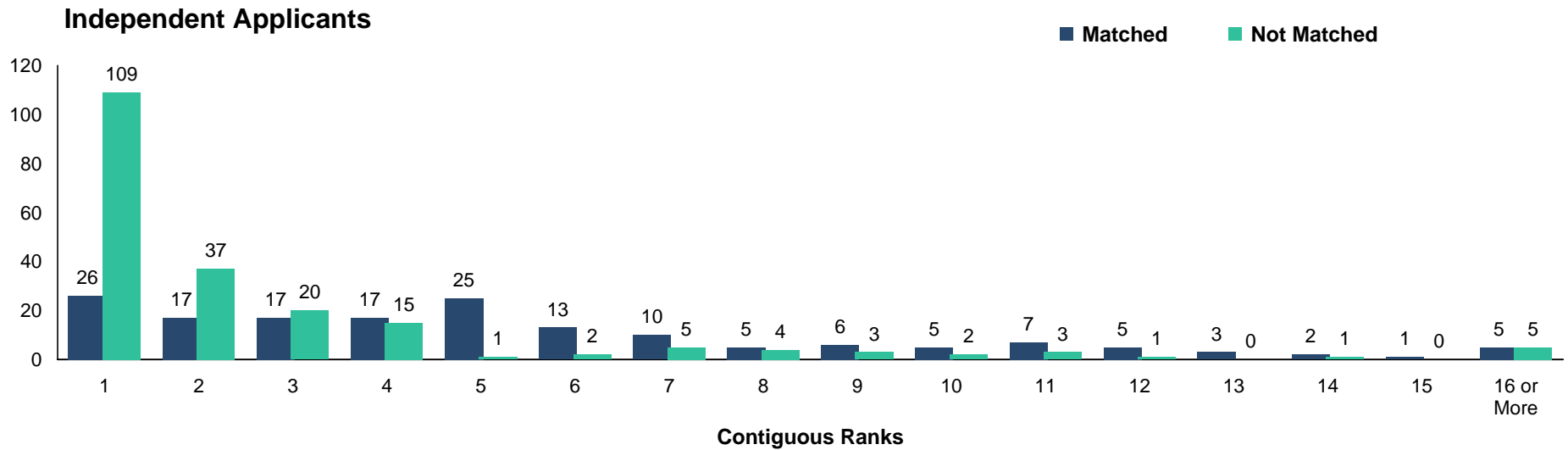
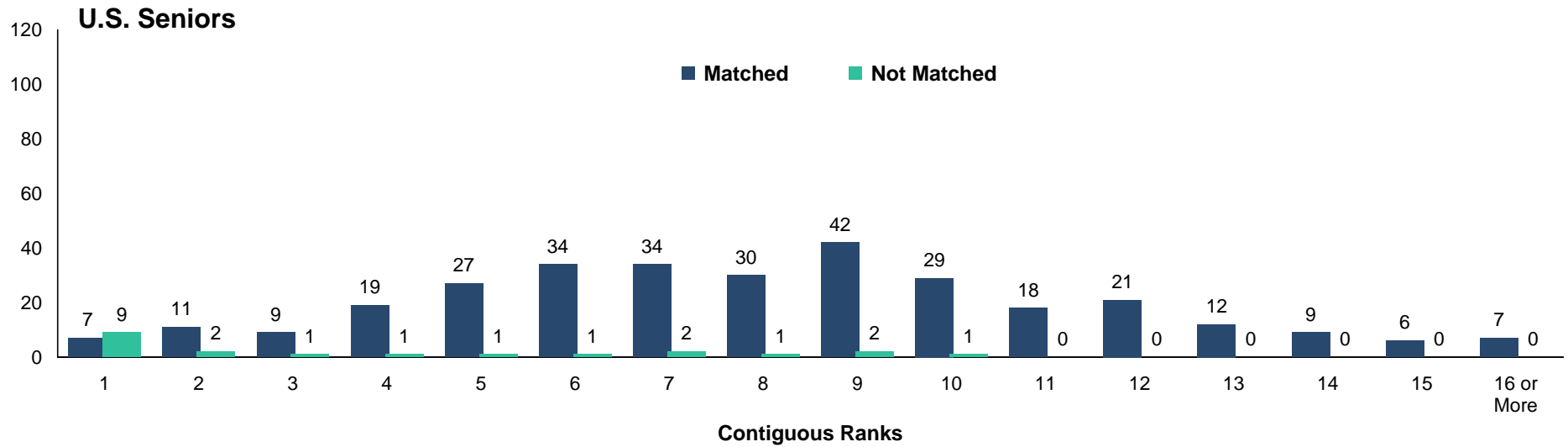
n/a: The measure either does not apply to, applies to only a small percentage of, or no reliable data were available for independent applicants.

Sources. Measures 1, 2, and match outcome are from the NRMP Data Warehouse; measures 3 and 4 are from the AAMC Data Warehouse and from the ECFMG, both by permission of the NBME and ECFMG; measures 5-9 are from the AAMC Data Warehouse; measure 10 is from the NIH website (<http://report.nih.gov/award/trends/AggregateDate.cfm> Medical Schools Only.xls); and measures 11 and 12 are from the AAMC Data Warehouse.

Note: USMLE Step 1 scores are not available for most osteopathic medical school graduates included in the independent applicant group. Approximately 30 percent of U.S. allopathic medical school seniors do not take the USMLE Step 2 prior to the Match.



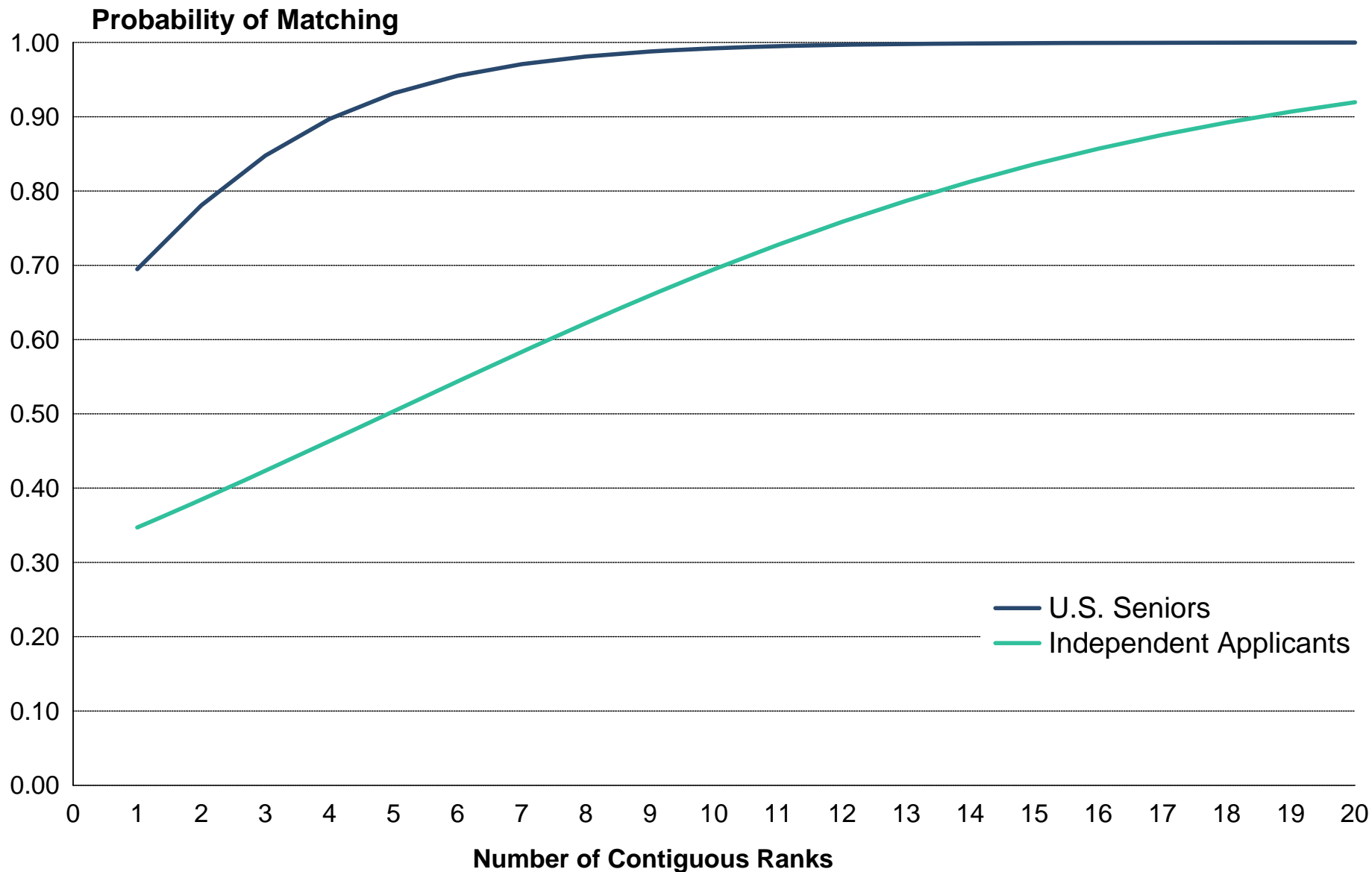
**Number of Contiguous Ranks Within Preferred Specialty  
Pathology-Anatomic and Clinical**



Source: NRMP Data Warehouse

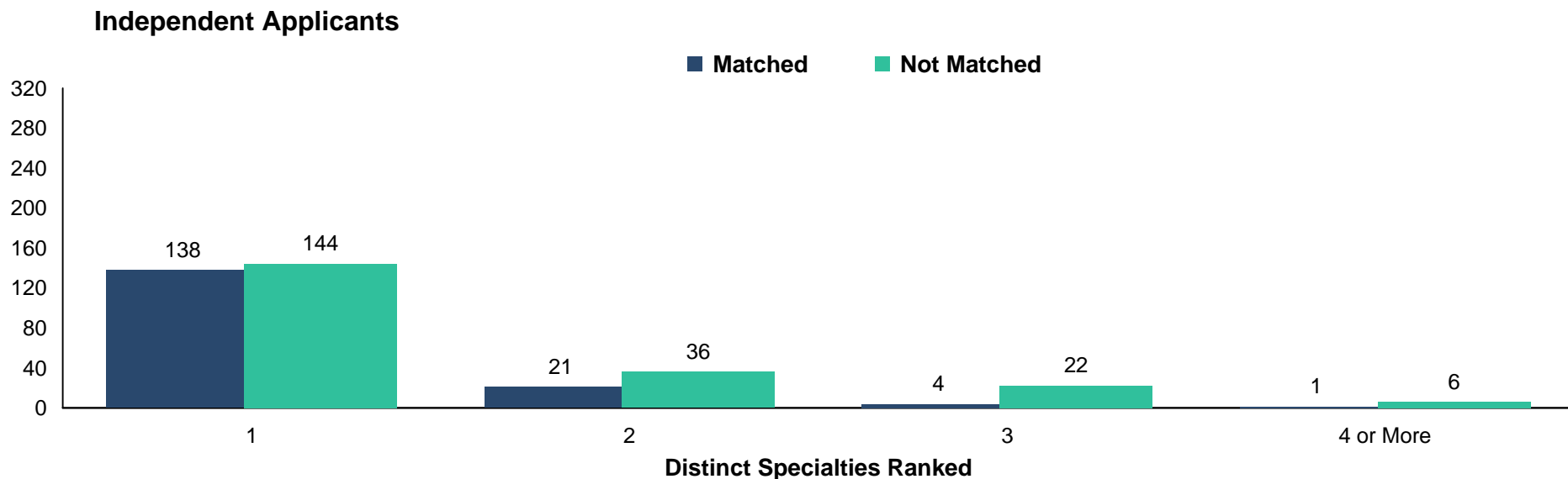
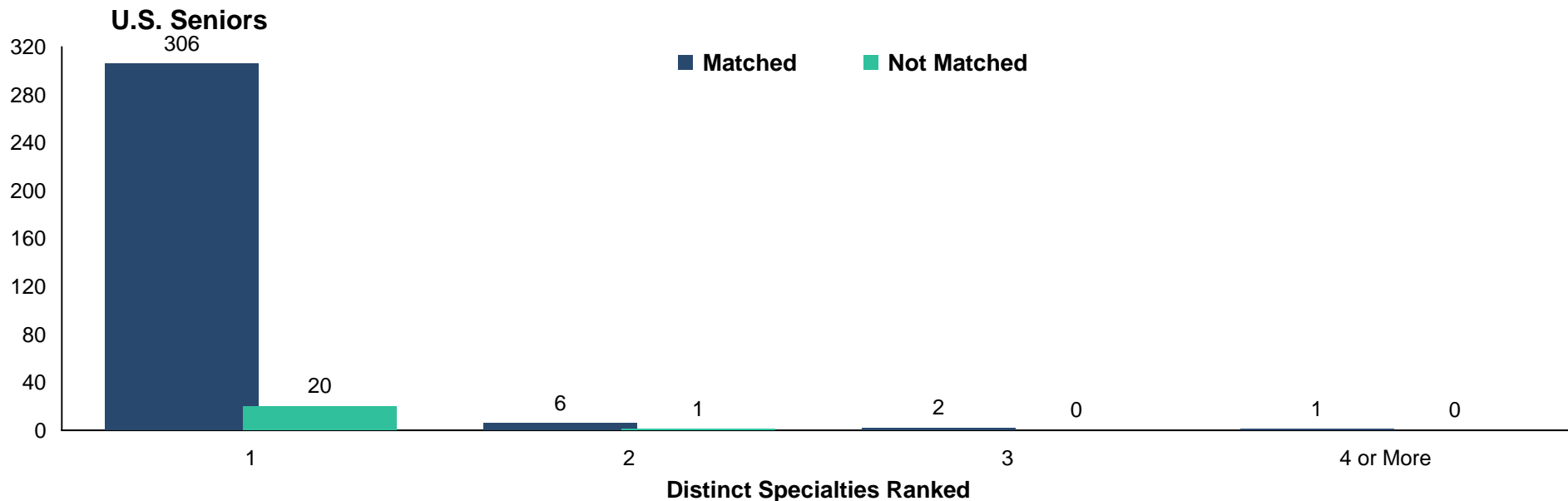
# Probability of Matching to Preferred Specialty by Number of Contiguous Ranks

*Pathology-Anatomic and Clinical*

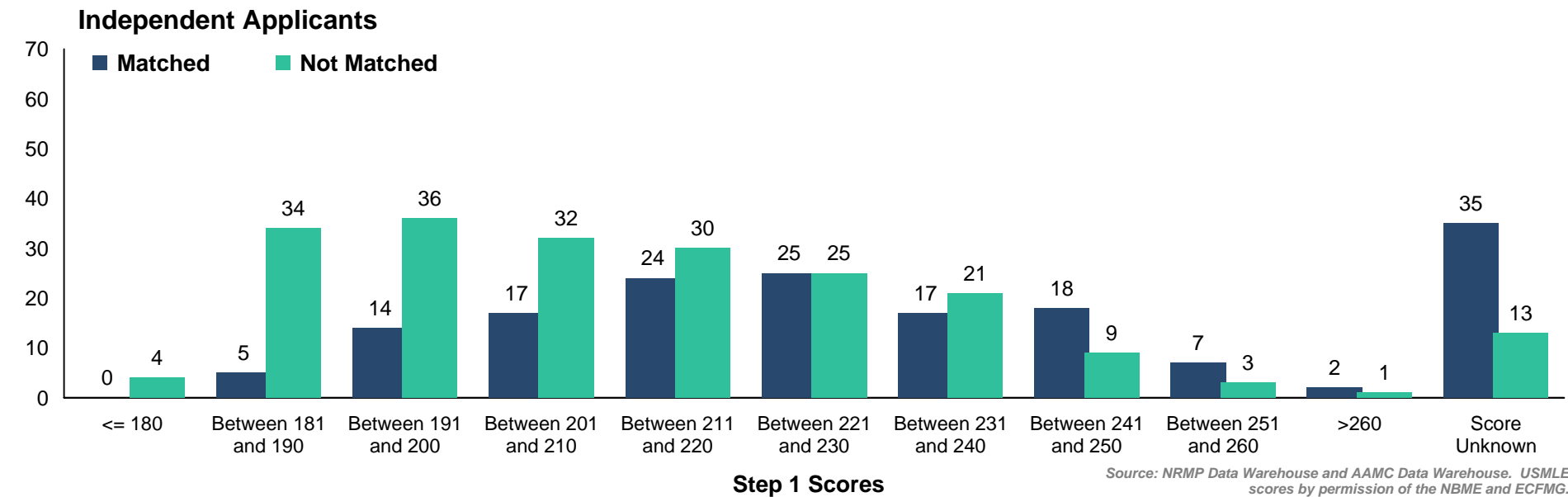
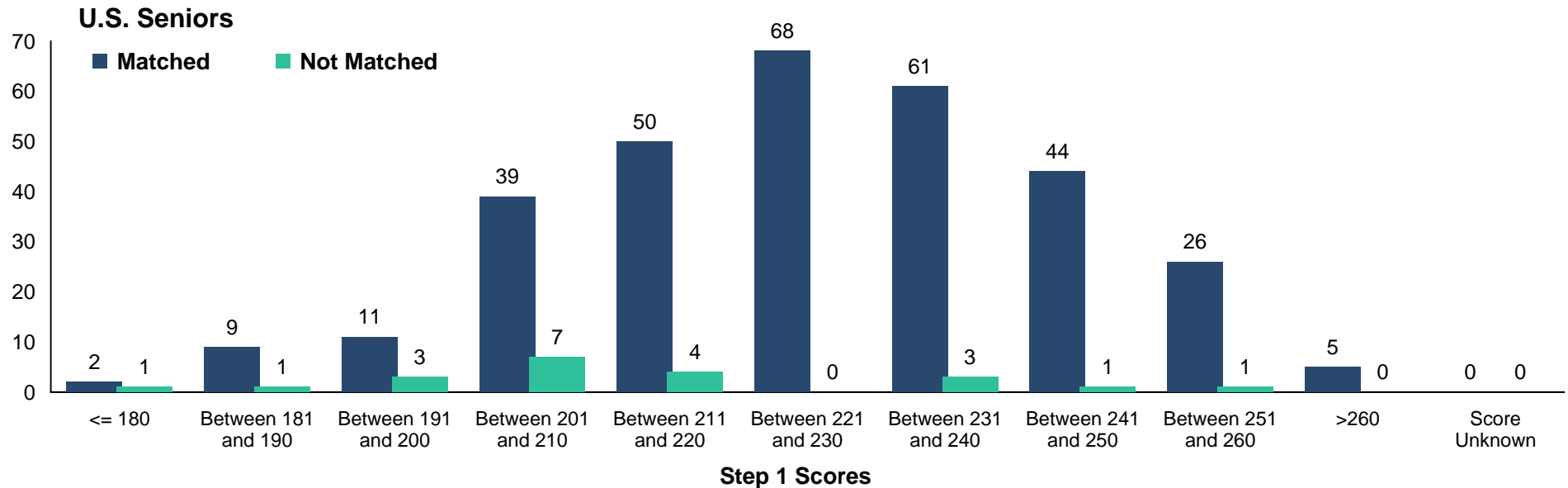


Source: NRMP Data Warehouse. Note: Probabilities calculated based on 2007-2009 applicants.

**Number of Distinct Specialties Ranked**  
*Pathology-Anatomic and Clinical*



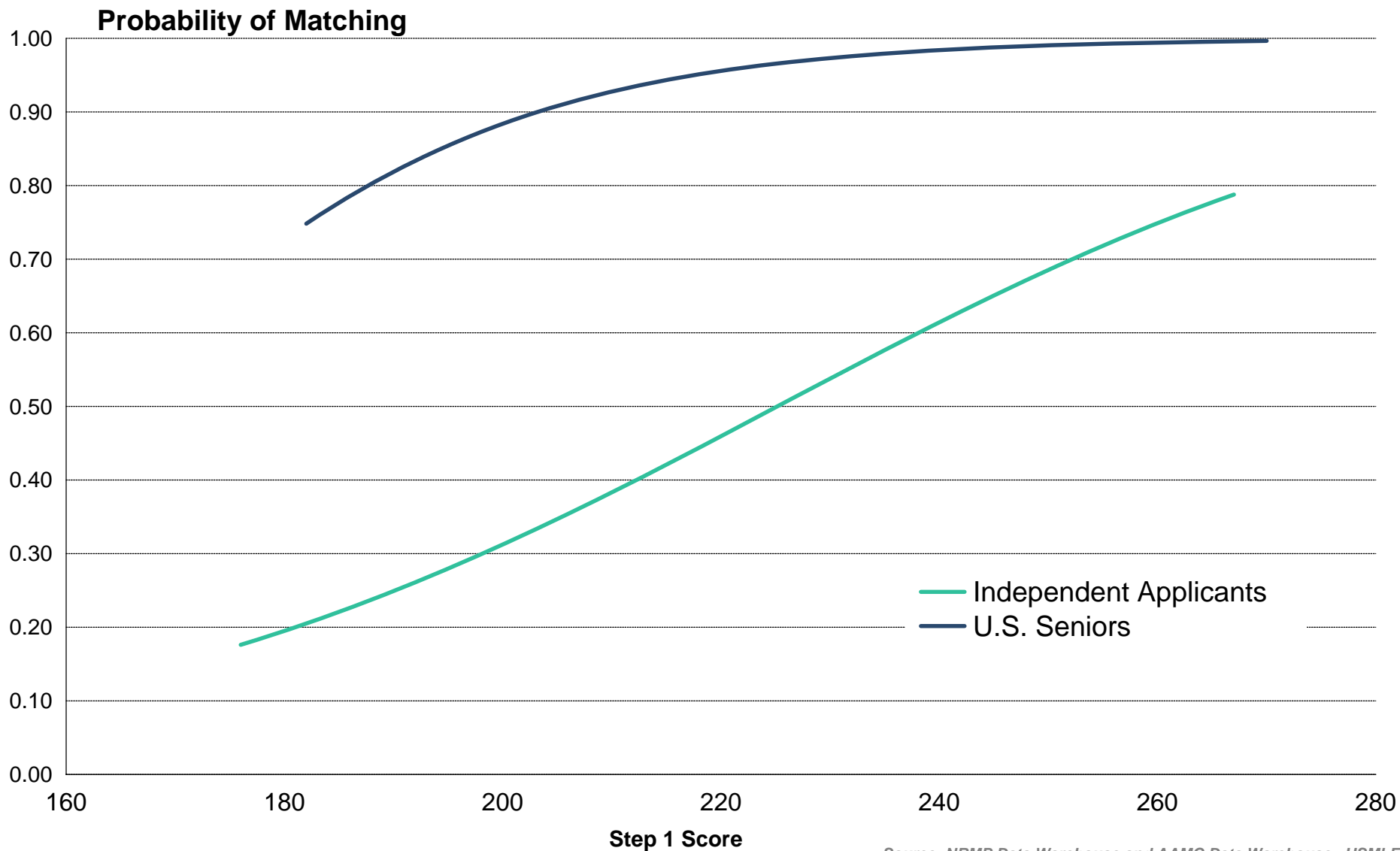
Source: NRMP Data Warehouse



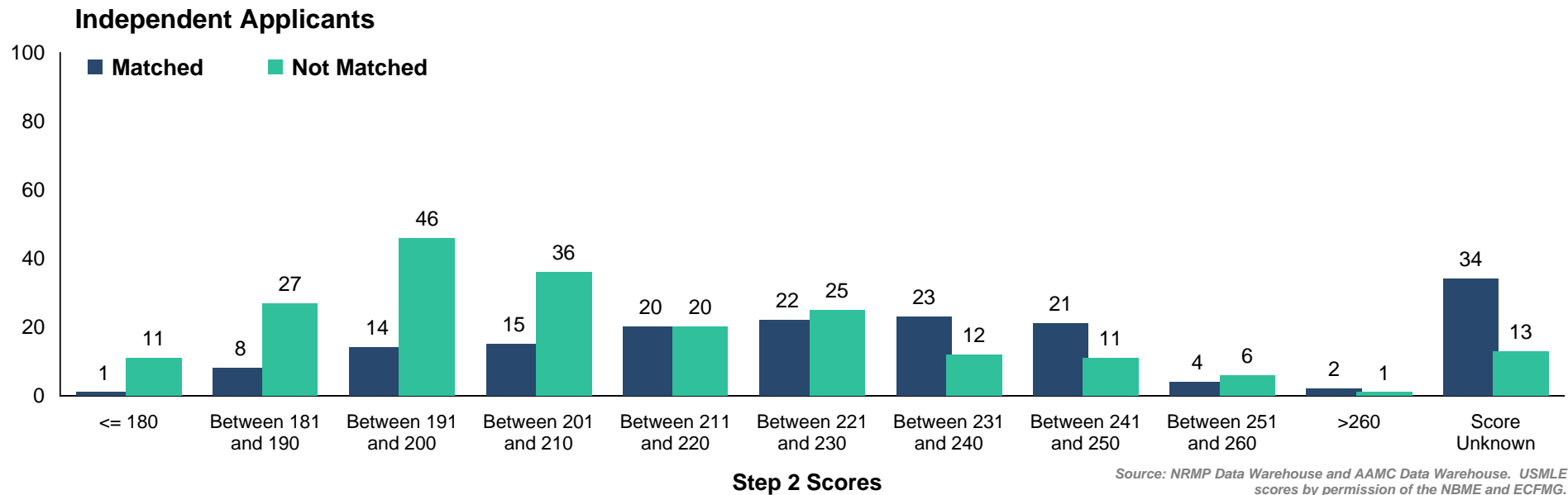
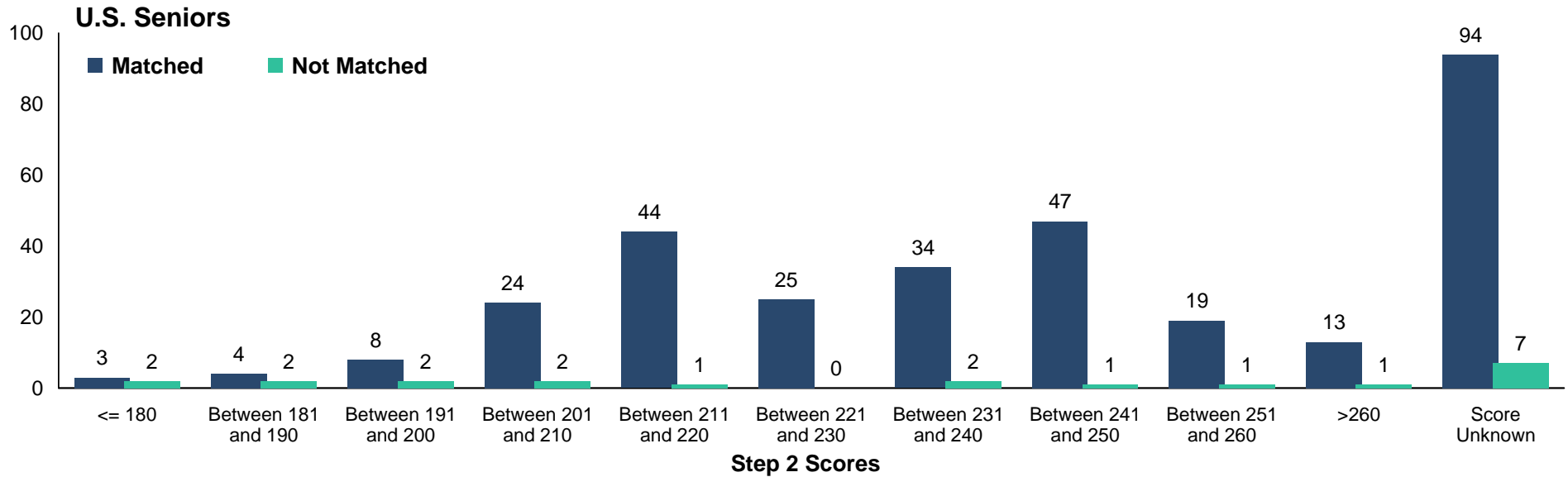
Source: NRMP Data Warehouse and AAMC Data Warehouse. USMLE scores by permission of the NBME and ECFMG.

# Probability of Matching to Preferred Specialty by USMLE Step 1 Score

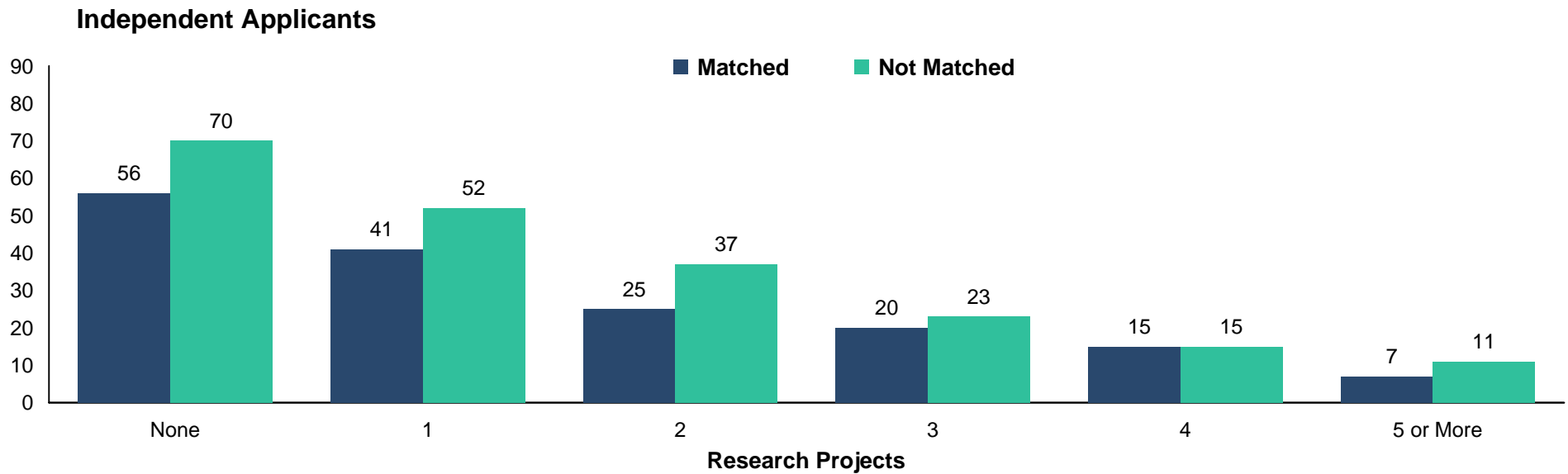
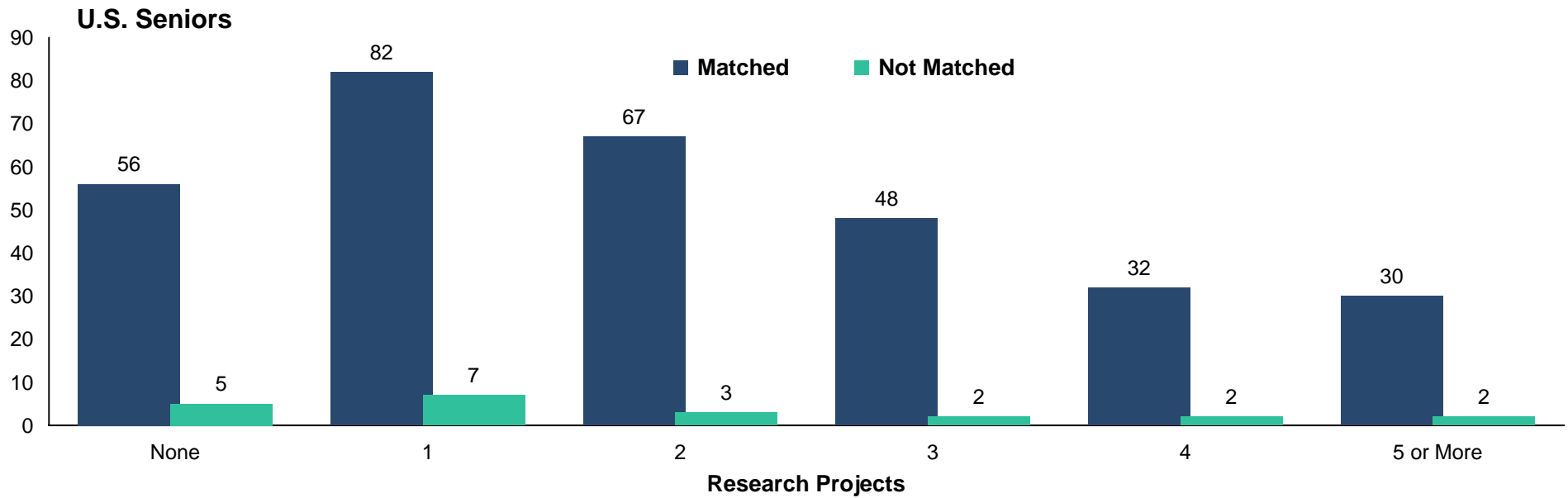
*Pathology-Anatomic and Clinical*



Source: NRMP Data Warehouse and AAMC Data Warehouse. USMLE scores by permission of the NBME and ECFMG. Note: Probabilities calculated based on 2007-2009 applicants.

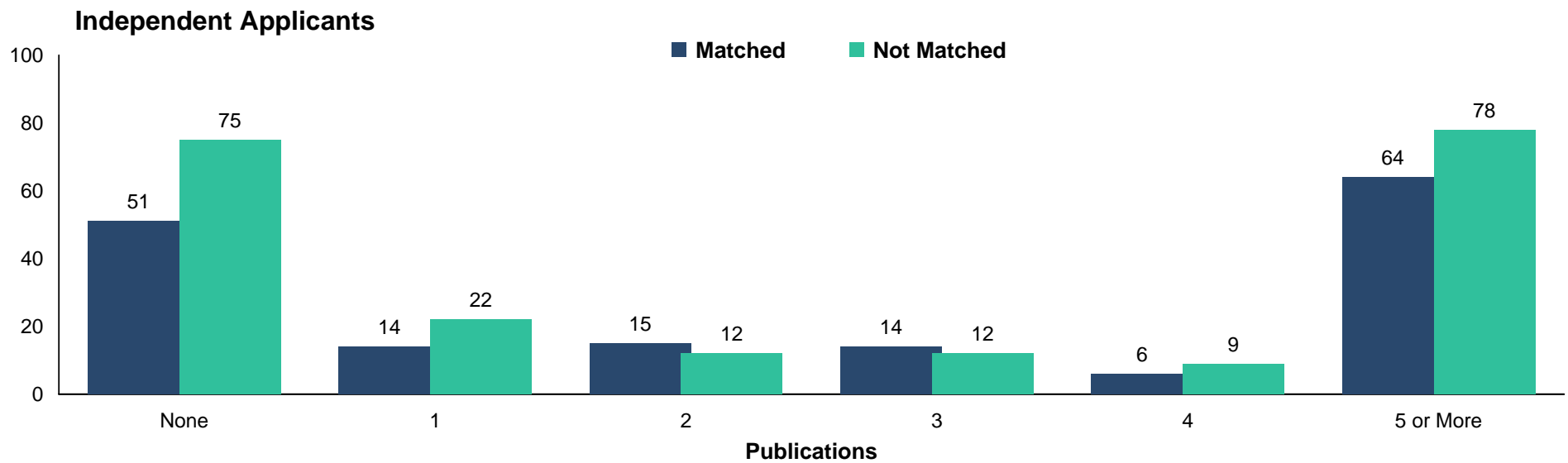
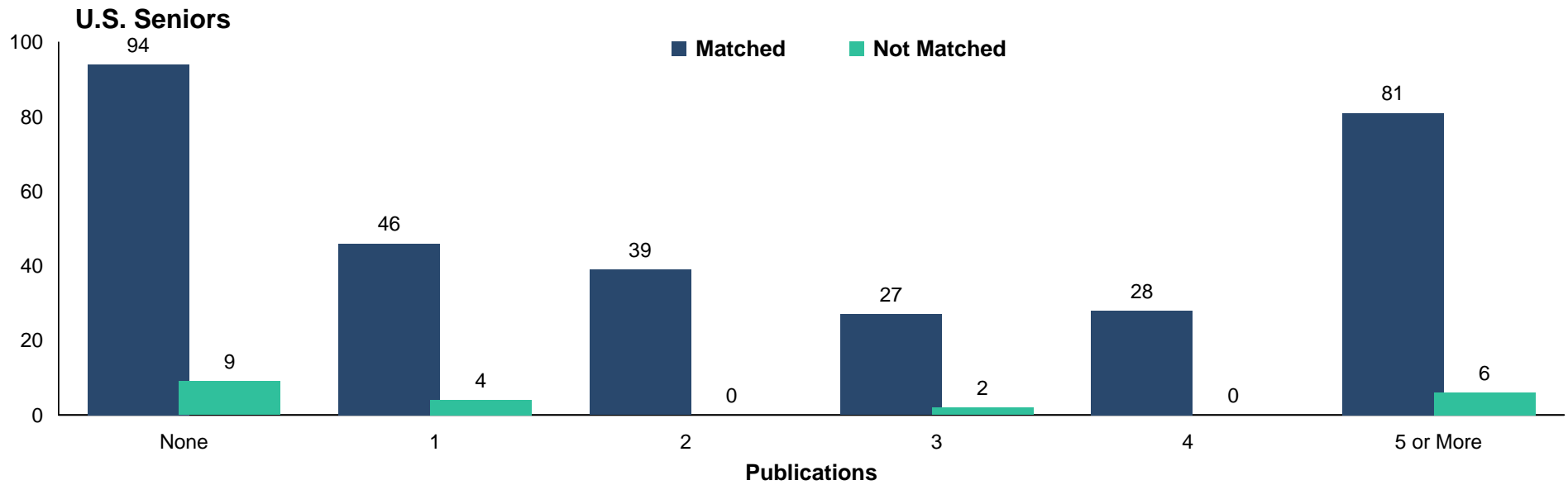


Source: NRMP Data Warehouse and AAMC Data Warehouse. USMLE scores by permission of the NBME and ECFMG.



Source: NRMP Data Warehouse and AAMC Data Warehouse

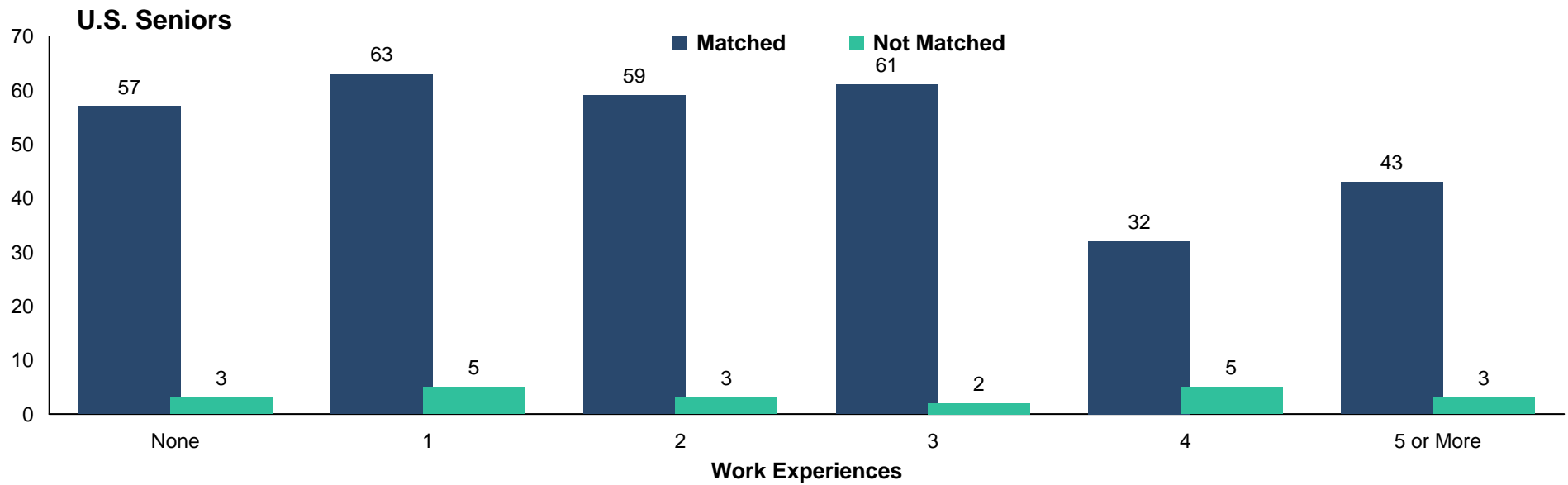
**Number of Abstracts, Presentations, and Publications**  
*Pathology-Anatomic and Clinical*



Source: NRMP Data Warehouse and AAMC Data Warehouse

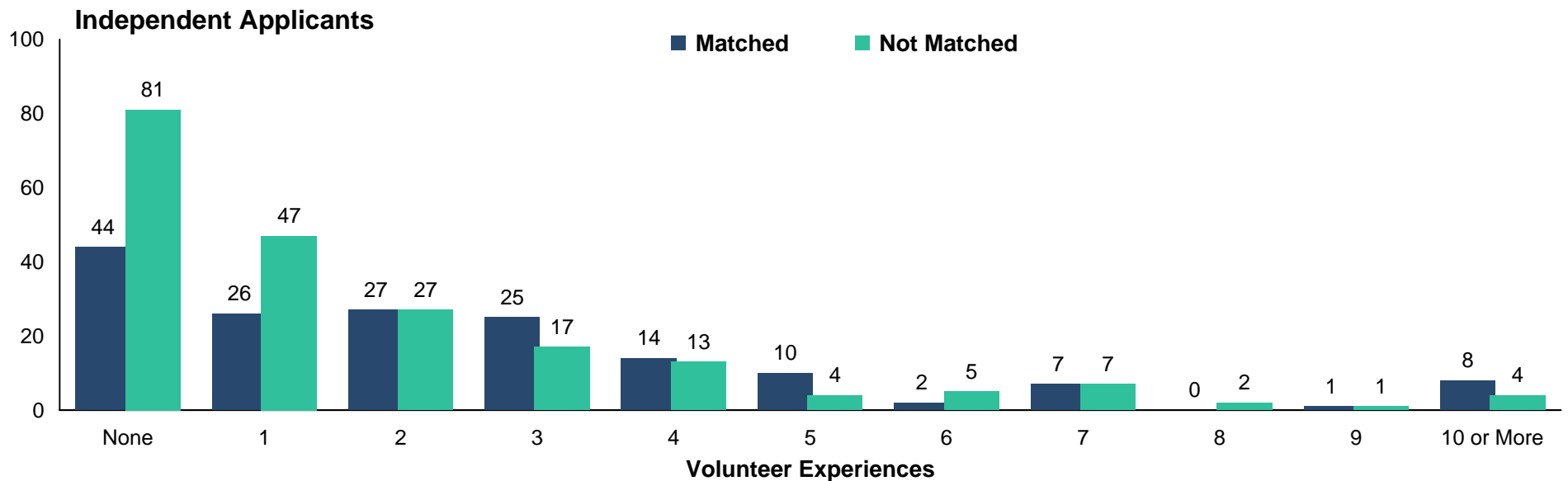
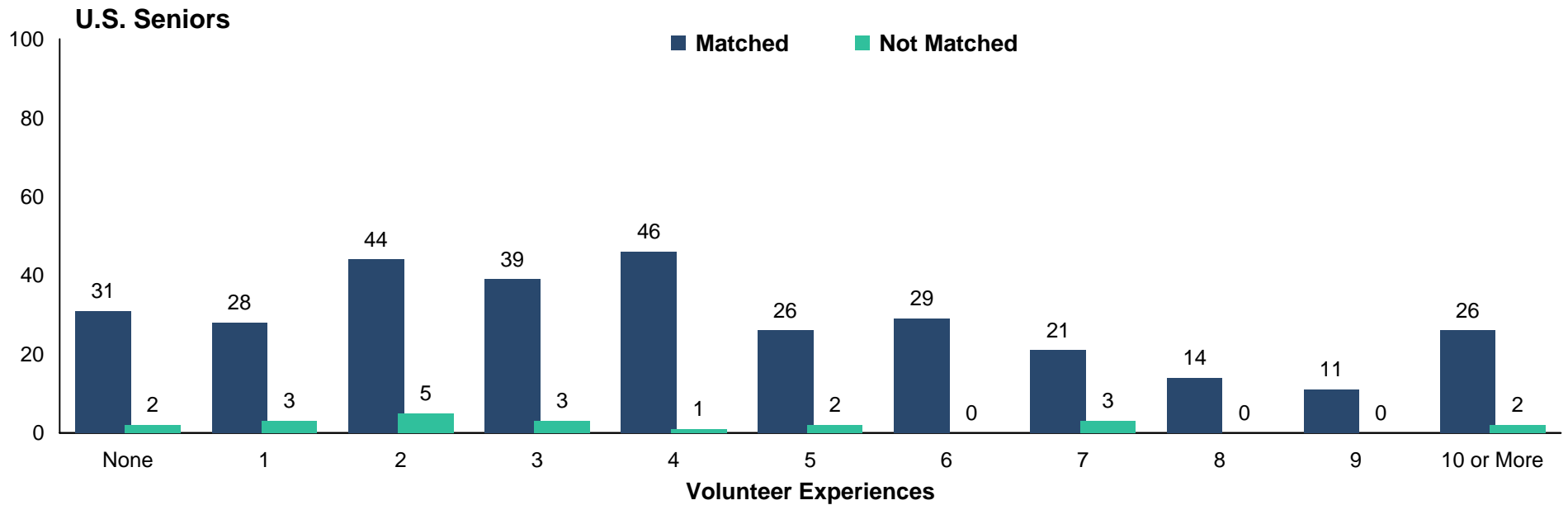


**Number of Work Experiences**  
*Pathology-Anatomic and Clinical*



Source: NRMP Data Warehouse and AAMC Data Warehouse

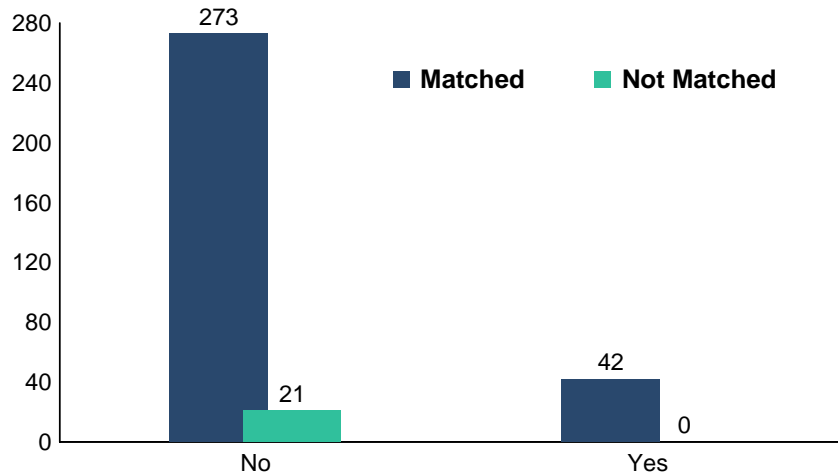
**Number of Volunteer Experiences**  
*Pathology-Anatomic and Clinical*



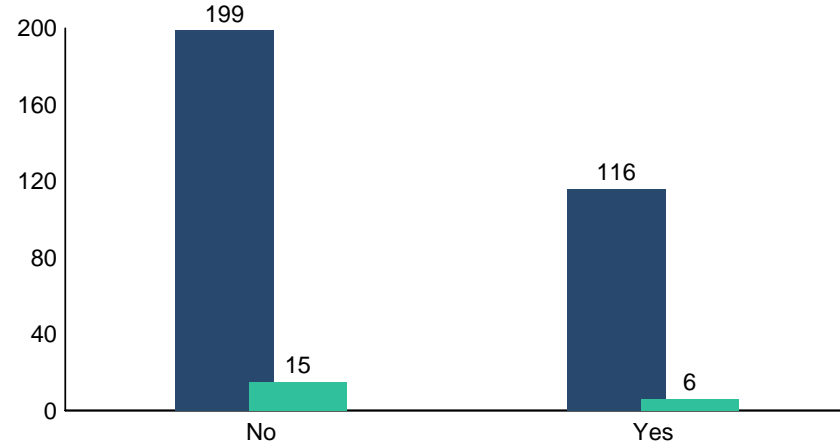
Source: NRMP Data Warehouse and AAMC Data Warehouse.

**Other Characteristics of U.S. Seniors**  
*Pathology-Anatomic and Clinical*

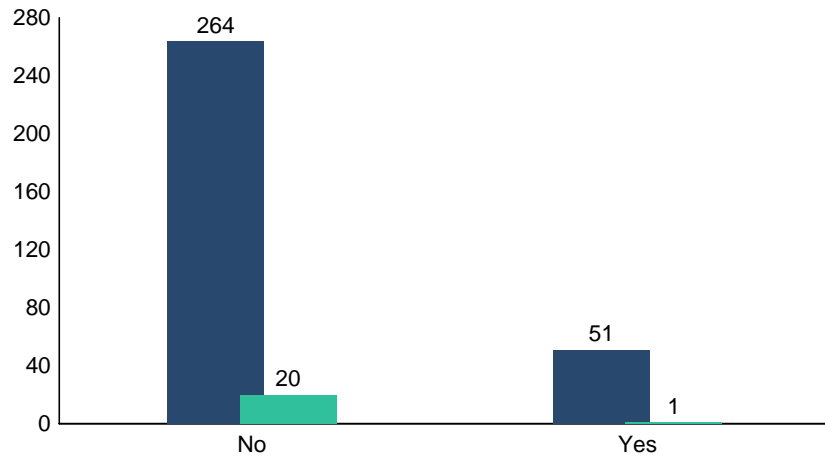
**AOA Membership**



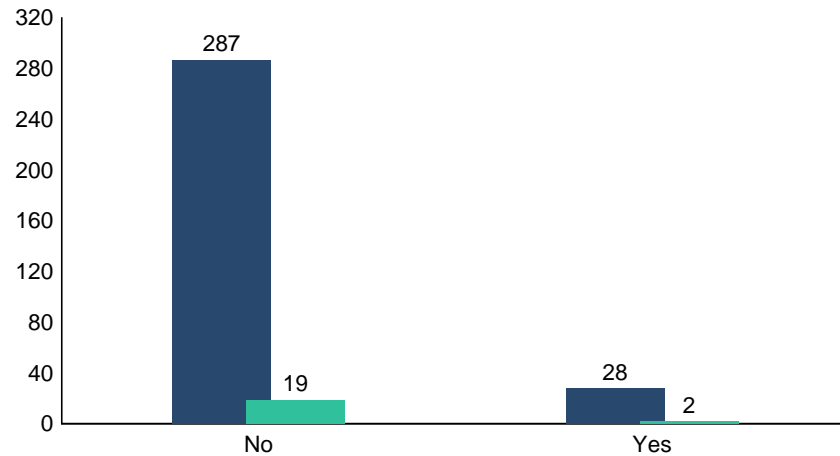
**Graduate of One of the 40 U.S. Medical Schools with the Highest NIH Funding**



**Ph.D. Degree**



**Other Graduate Degree**



Sources. AOA membership from the AAMC Data Warehouse, NIH awards from <http://report.nih.gov/award/trends/AggregateData.cfm> Medical Schools Only.xls, Ph.D. and other graduate degrees from the AAMC Data Warehouse

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**PD** Pediatrics

**Table** **Summary Statistics**  
**PD-1** *Pediatrics*

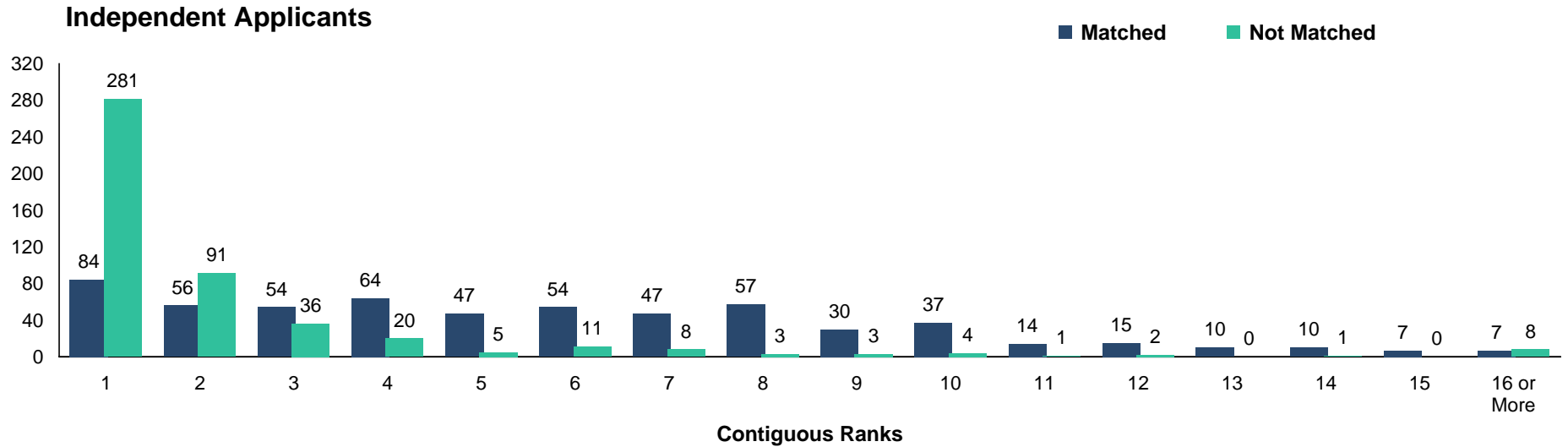
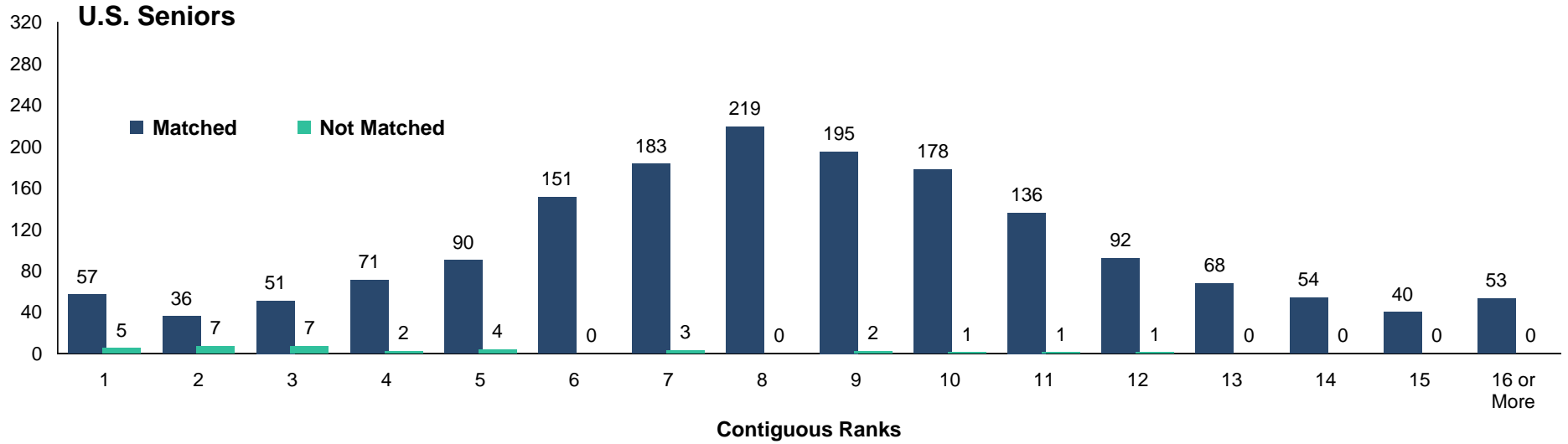
Measure	U.S. Seniors		Independent Applicants	
	Matched (n=1,674)	Unmatched (n=33)	Matched (n=593)	Unmatched (n=474)
1. Mean number of contiguous ranks	8.5	4.2	5.8	2.3
2. Mean number of distinct specialties ranked	1.0	1.2	1.3	1.5
3. Mean USMLE Step 1 score	219	206	214	204
4. Mean USMLE Step 2 score	229	203	220	208
5. Mean number of research experiences	1.8	1.9	1.2	1.1
6. Mean number of abstracts, presentations, and publications	2.0	1.5	1.9	2.3
7. Mean number of work experiences	2.7	3.0	3.3	3.8
8. Mean number of volunteer experiences	7.2	6.9	4.1	2.6
9. Percentage who are AOA members	12.1	0.0	n/a	n/a
10. Percentage who graduated from one of the 40 U.S. medical schools with the highest NIH funding	33.5	27.3	n/a	n/a
11. Percentage who have Ph.D. degree	4.0	9.1	n/a	n/a
12. Percentage who have another graduate degree	9.4	12.1	n/a	n/a

n/a: The measure either does not apply to, applies to only a small percentage of, or no reliable data were available for independent applicants.

Sources. Measures 1, 2, and match outcome are from the NRMP Data Warehouse; measures 3 and 4 are from the AAMC Data Warehouse and from the ECFMG, both by permission of the NBME and ECFMG; measures 5-9 are from the AAMC Data Warehouse; measure 10 is from the NIH website (<http://report.nih.gov/award/trends/AggregateDate.cfm> Medical Schools Only.xls); and measures 11 and 12 are from the AAMC Data Warehouse.

Note: USMLE Step 1 scores are not available for most osteopathic medical school graduates included in the independent applicant group. Approximately 30 percent of U.S. allopathic medical school seniors do not take the USMLE Step 2 prior to the Match.

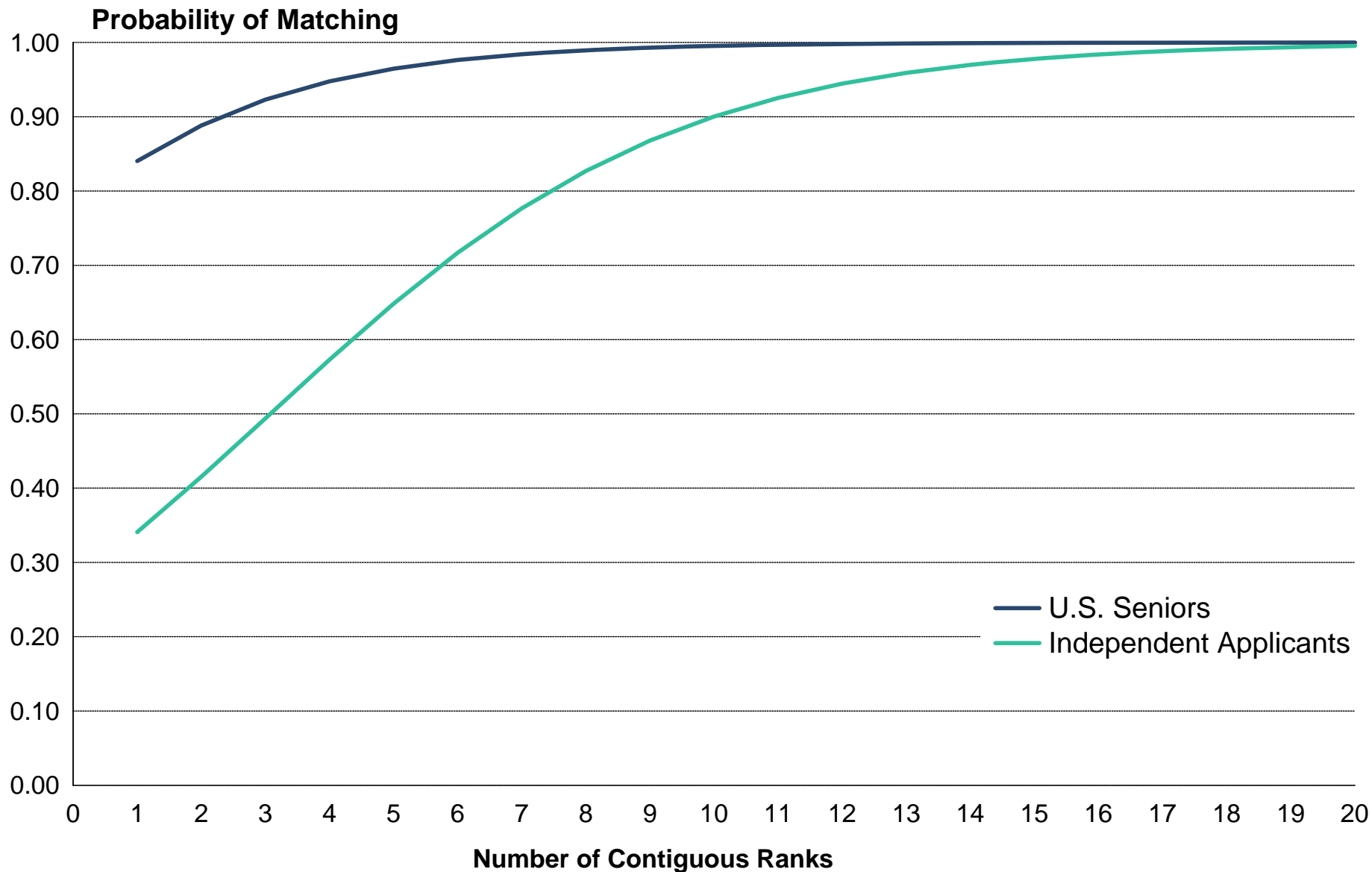
**Number of Contiguous Ranks Within Preferred Specialty  
Pediatrics**



Source: NRMP Data Warehouse

# Probability of Matching to Preferred Specialty by Number of Contiguous Ranks

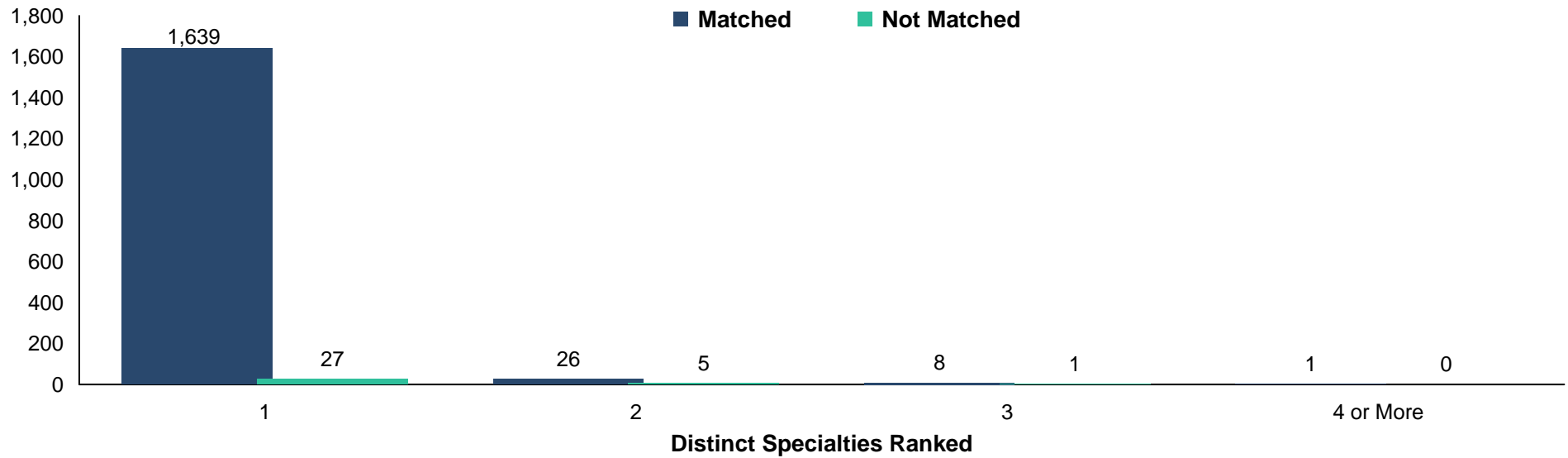
## Pediatrics



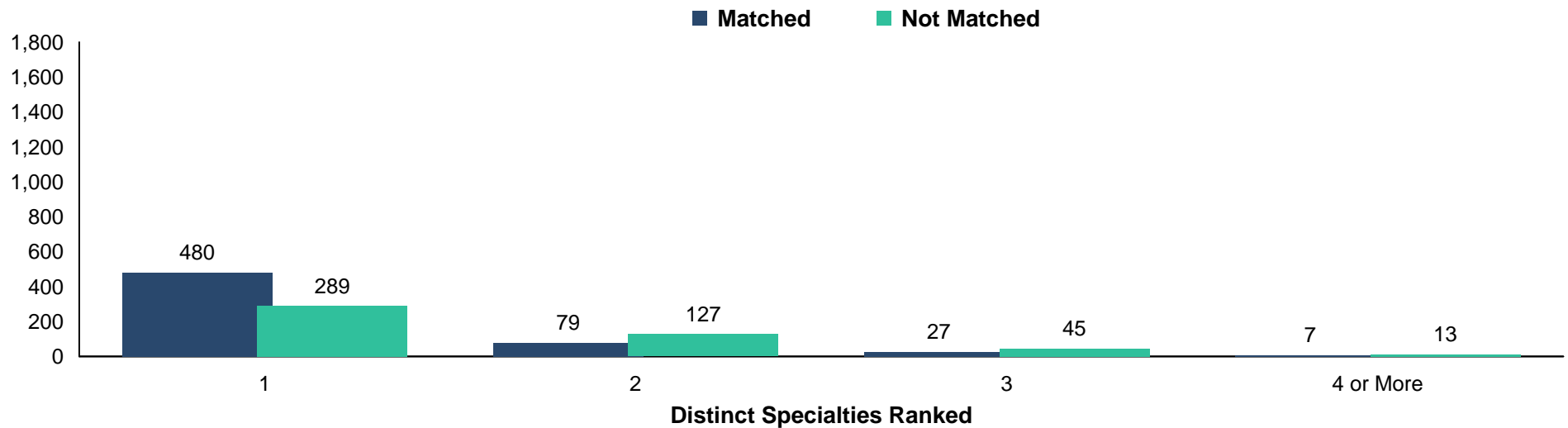
Source: NRMP Data Warehouse. Note: Probabilities calculated based on 2007-2009 applicants.

**Number of Distinct Specialties Ranked**  
*Pediatrics*

**U.S. Seniors**

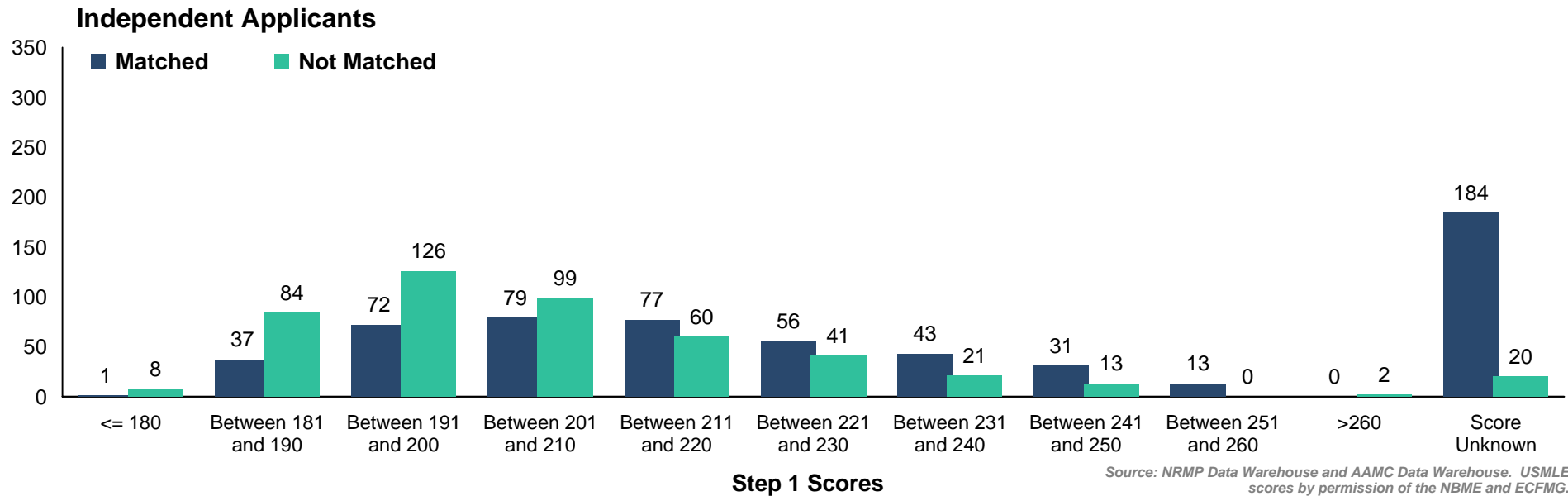
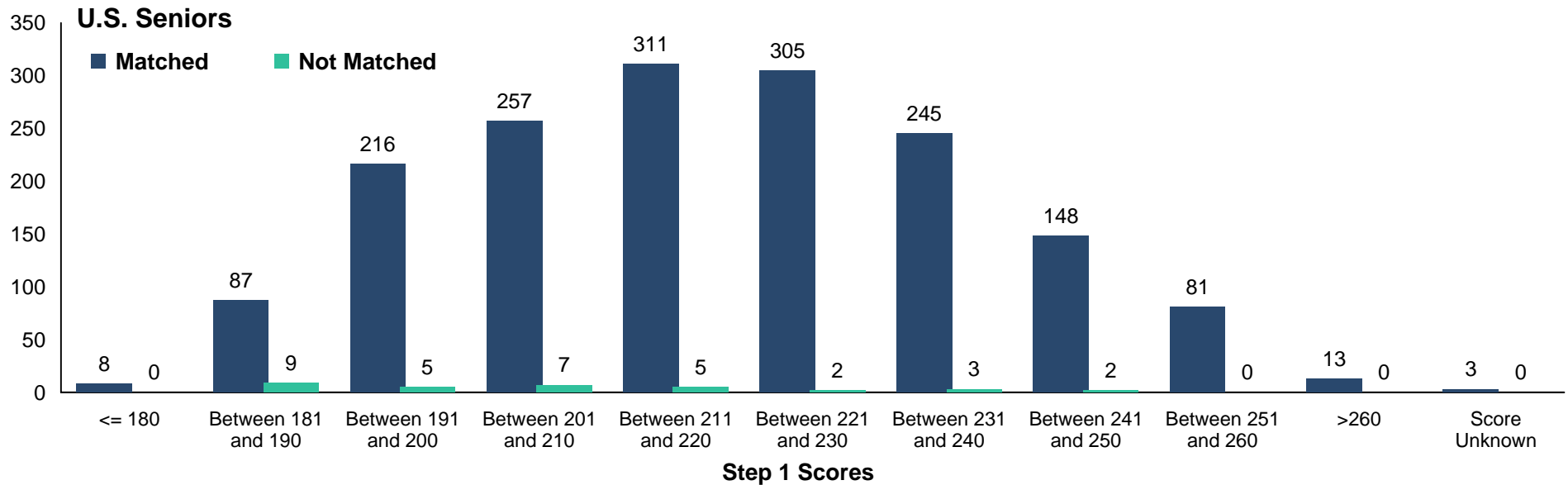


**Independent Applicants**



Source: NRMP Data Warehouse

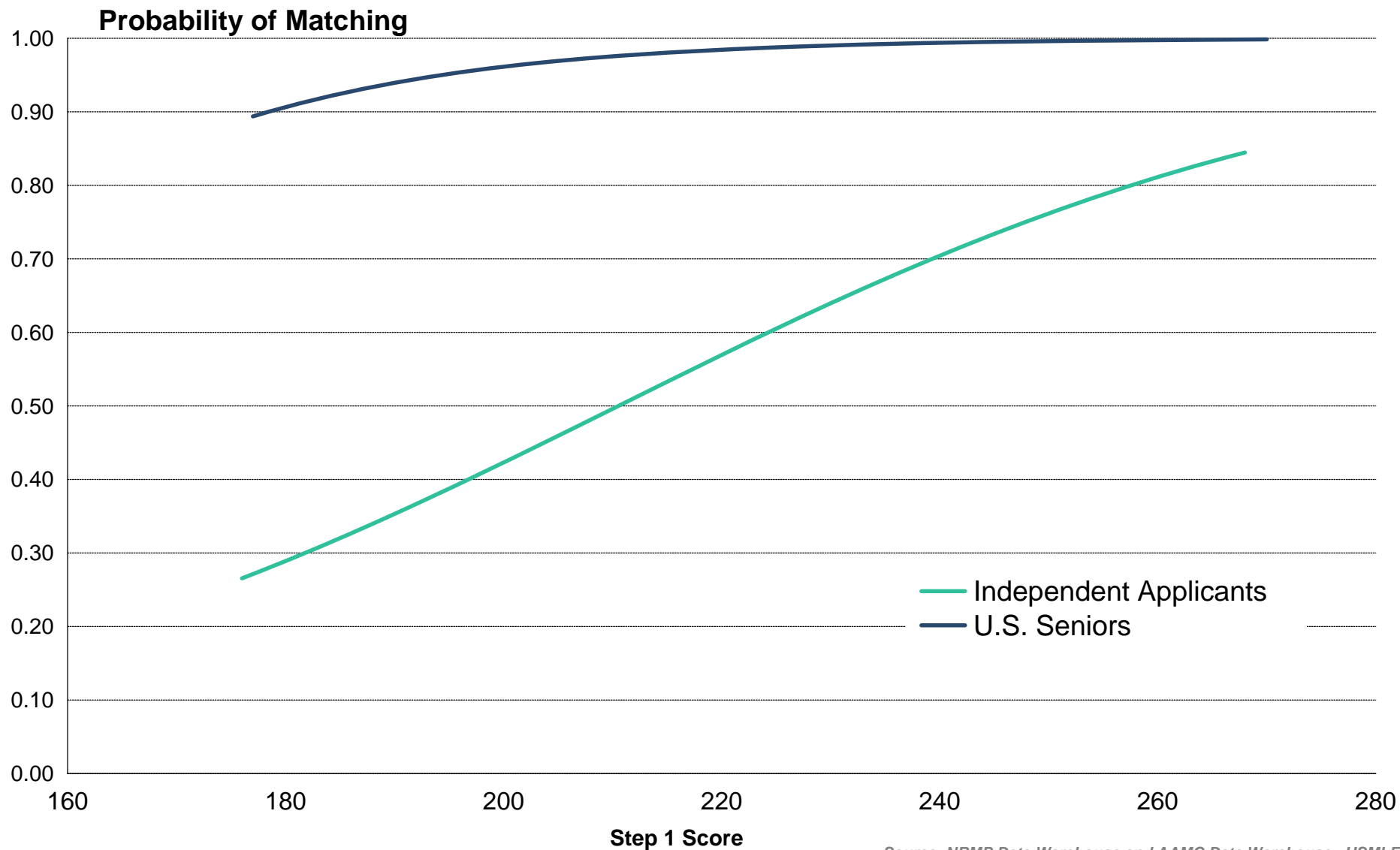




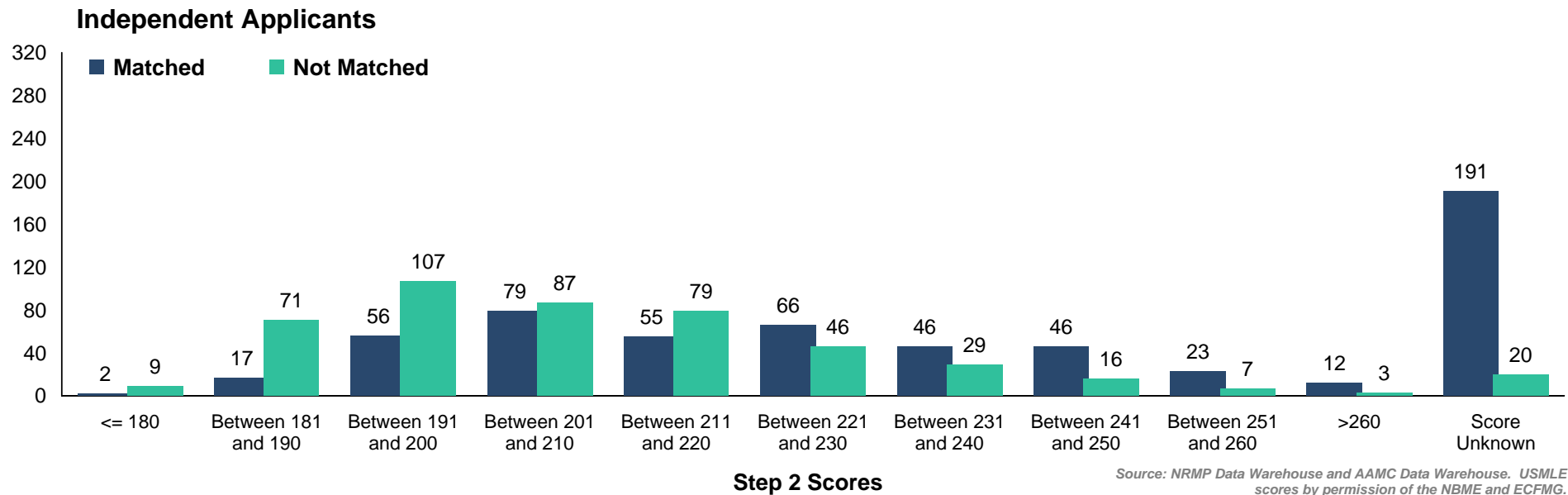
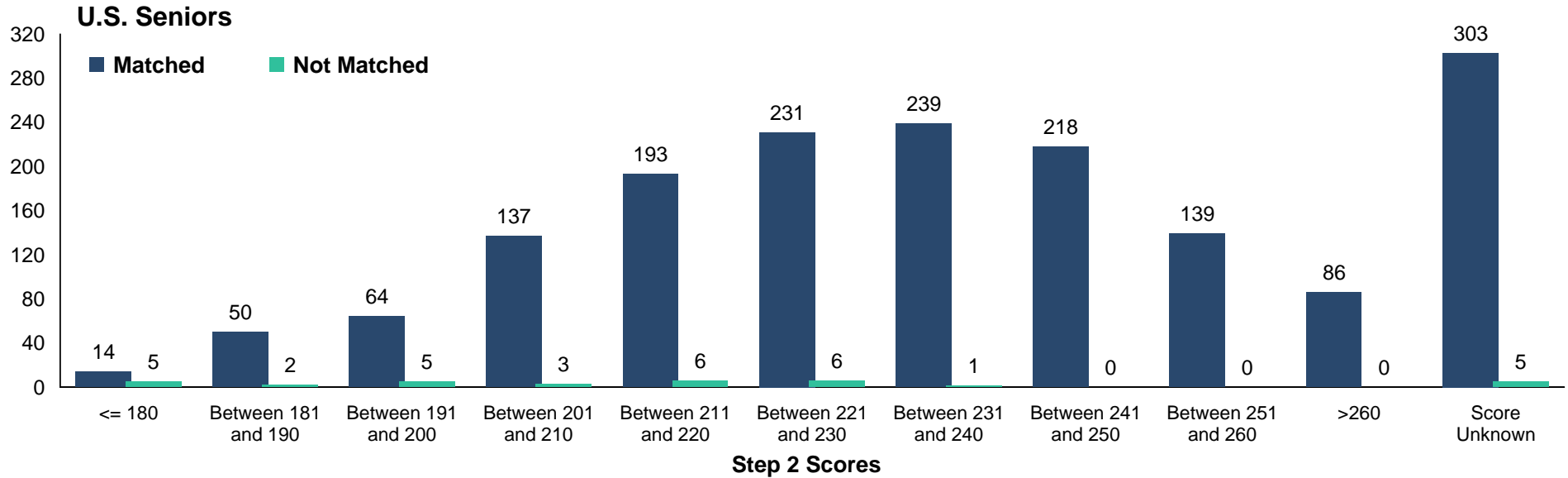
Source: NRMP Data Warehouse and AAMC Data Warehouse. USMLE scores by permission of the NBME and ECFMG.

# Probability of Matching to Preferred Specialty by USMLE Step 1 Score

## Pediatrics

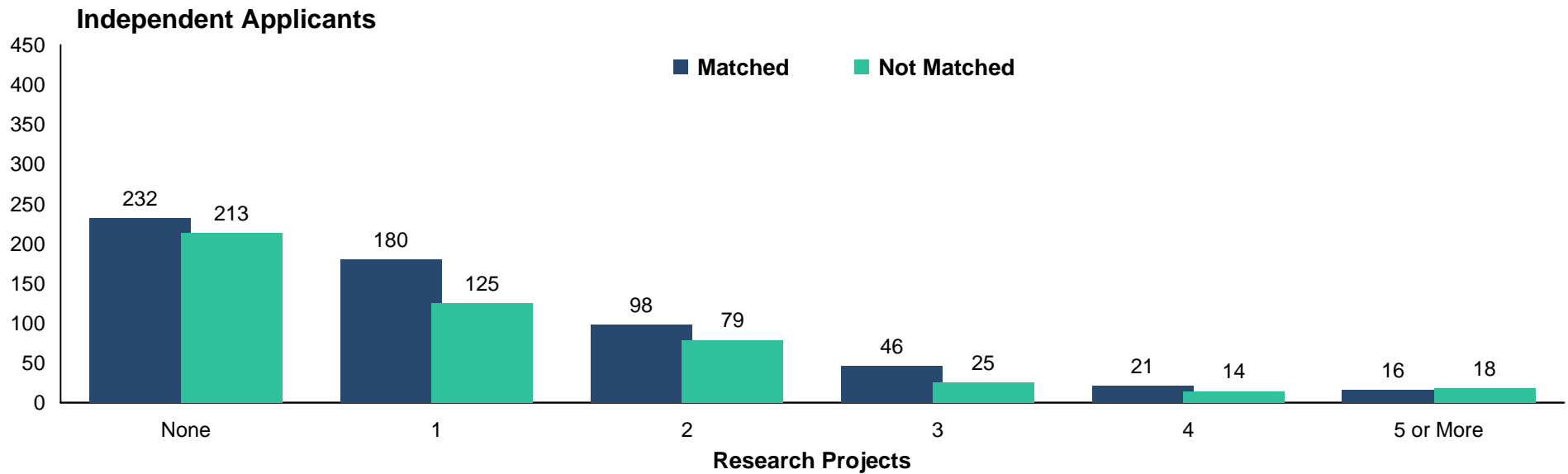
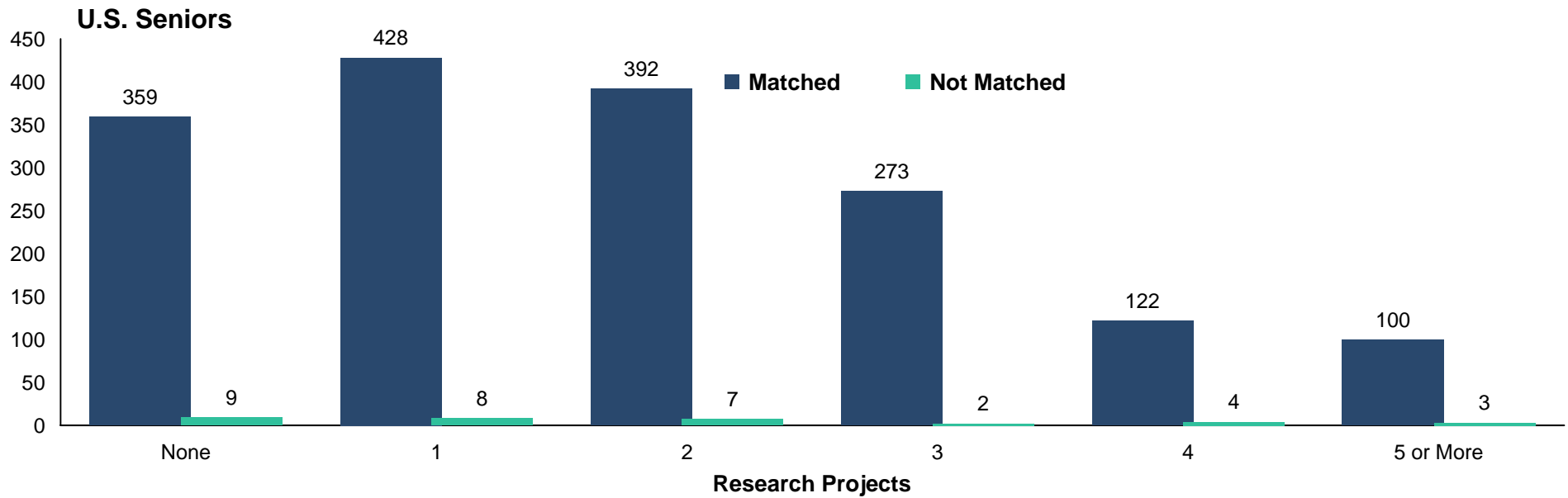


Source: NRMP Data Warehouse and AAMC Data Warehouse. USMLE scores by permission of the NBME and ECFMG. Note: Probabilities calculated based on 2007-2009 applicants.



Source: NRMP Data Warehouse and AAMC Data Warehouse. USMLE scores by permission of the NBME and ECFMG.

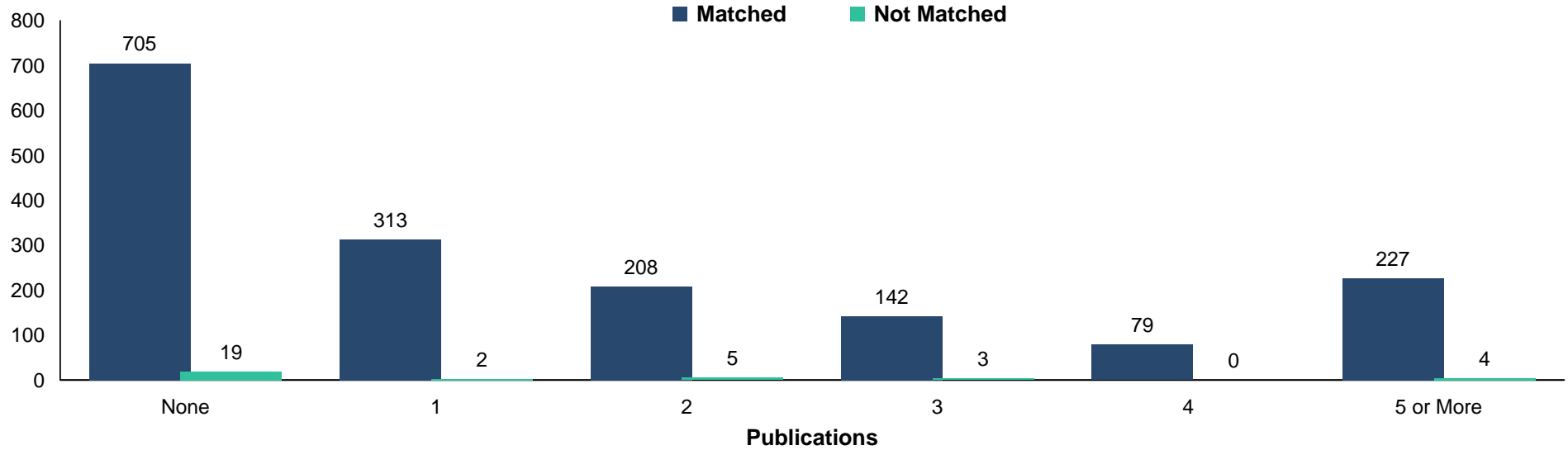
**Number of Research Projects  
*Pediatrics***



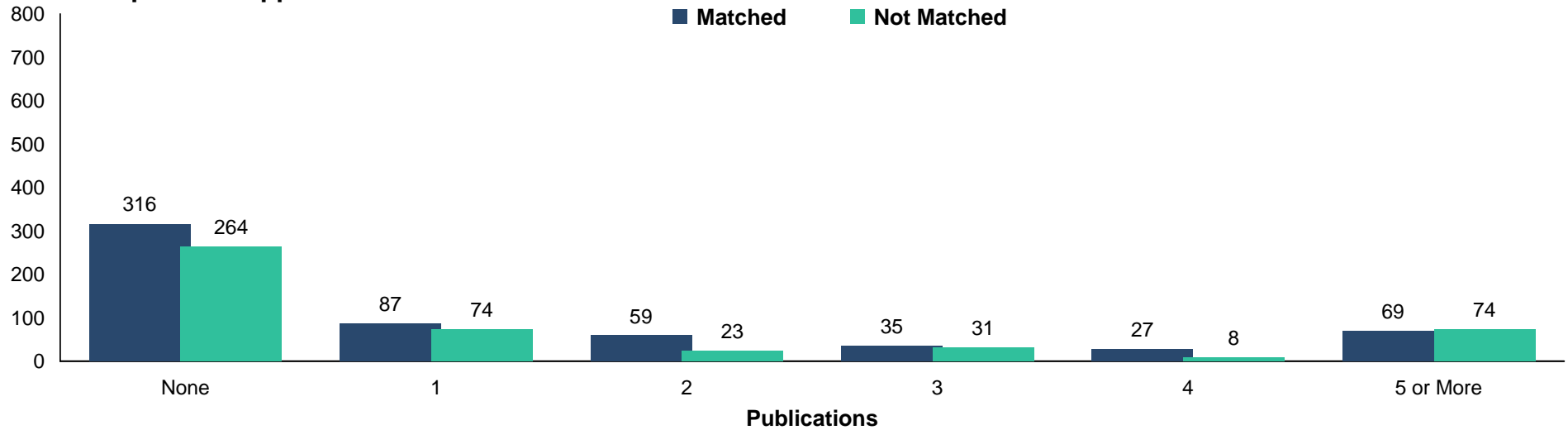
Source: NRMP Data Warehouse and AAMC Data Warehouse

**Number of Abstracts, Presentations, and Publications  
*Pediatrics***

**U.S. Seniors**

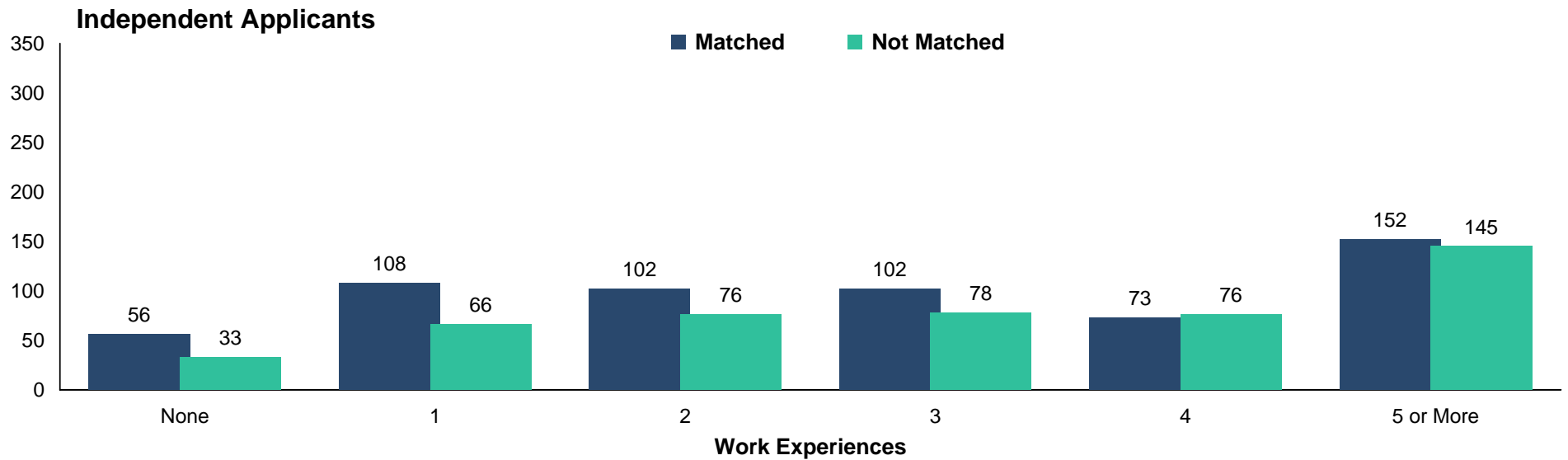
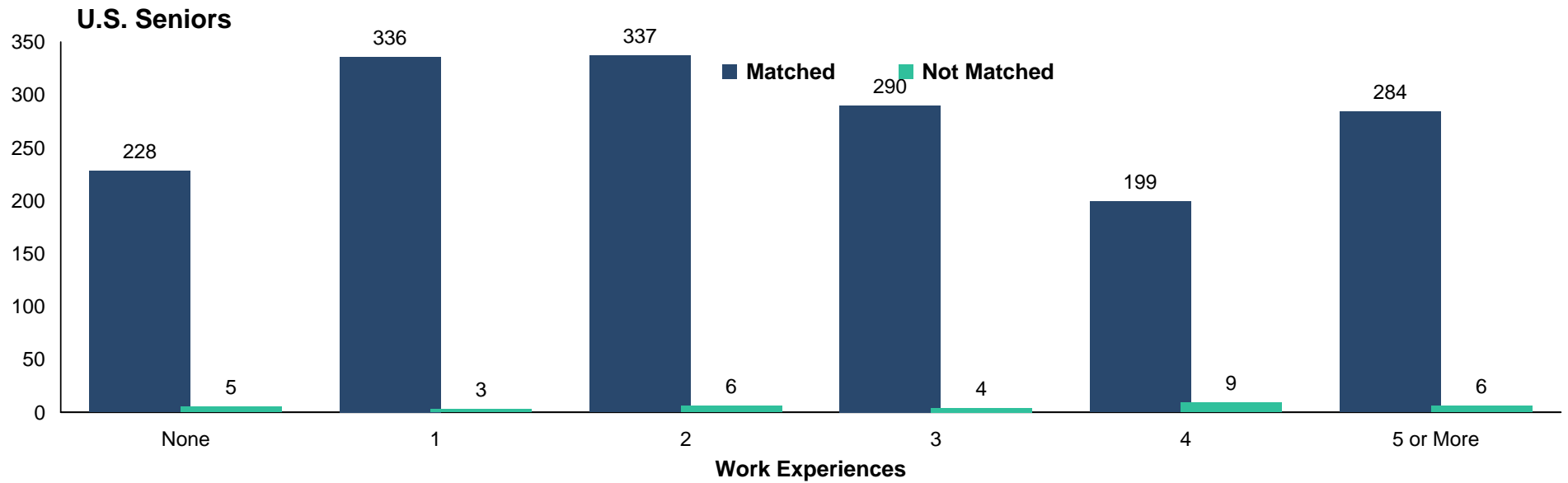


**Independent Applicants**



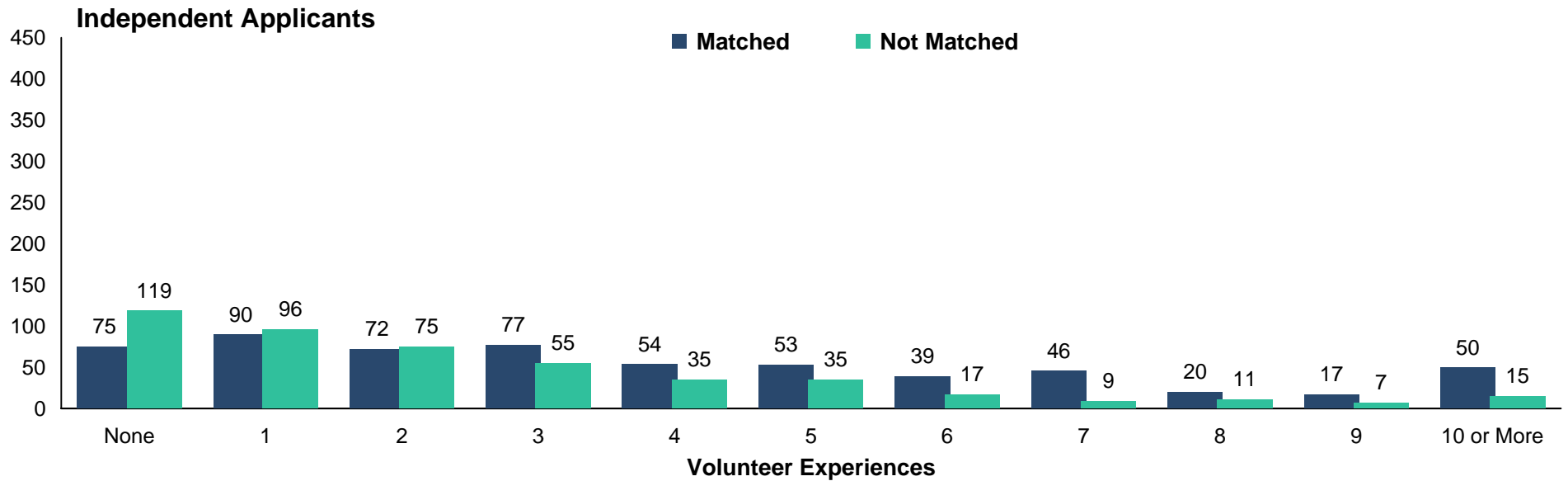
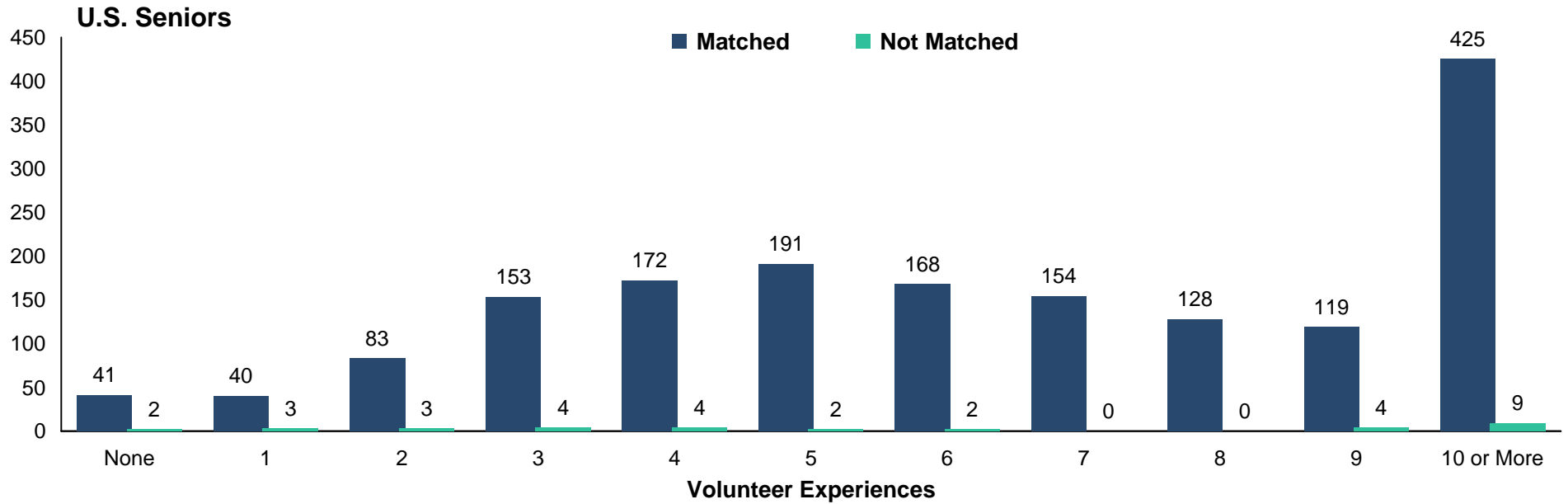
Source: NRMP Data Warehouse and AAMC Data Warehouse

**Number of Work Experiences**  
*Pediatrics*



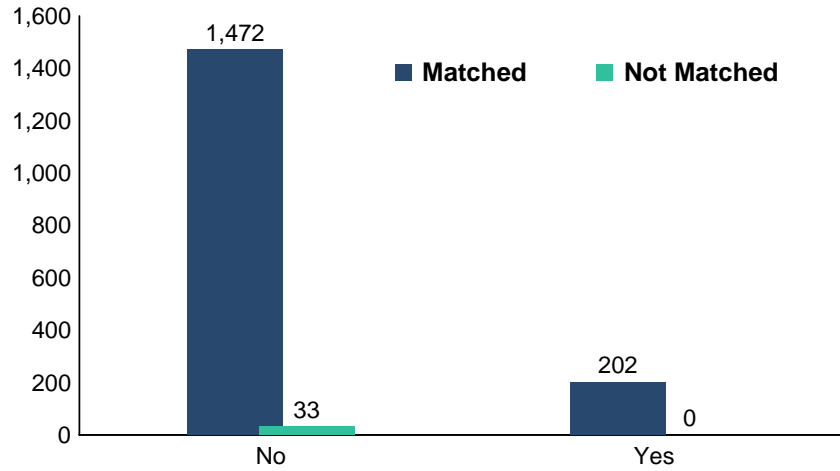
Source: NRMP Data Warehouse and AAMC Data Warehouse

**Number of Volunteer Experiences**  
*Pediatrics*

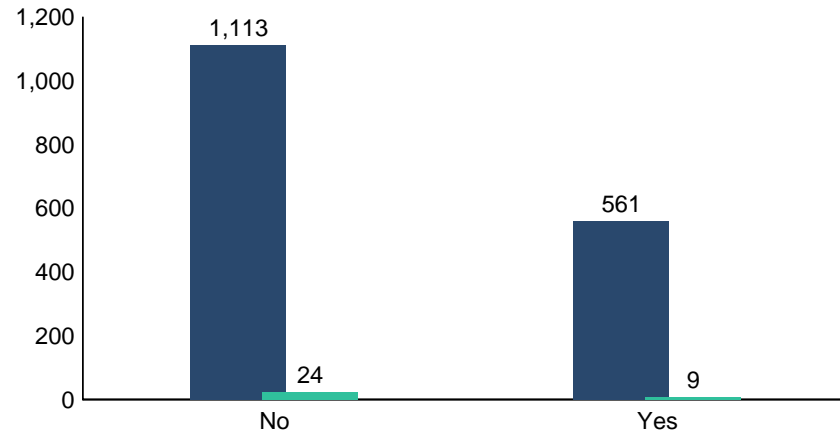


Source: NRMP Data Warehouse and AAMC Data Warehouse.

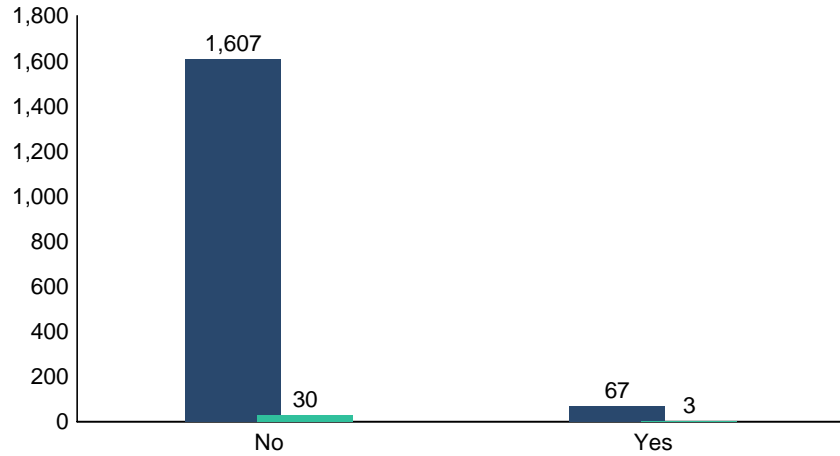
**AOA Membership**



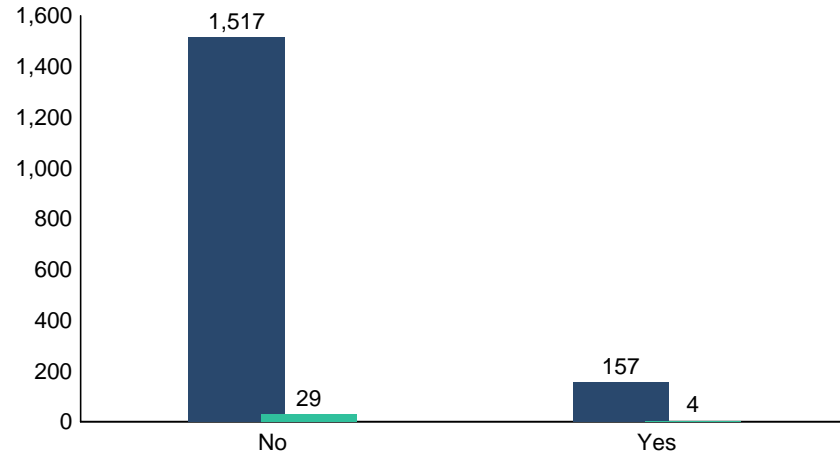
**Graduate of One of the 40 U.S. Medical Schools with the Highest NIH Funding**



**Ph.D. Degree**



**Other Graduate Degree**



Sources. AOA membership from the AAMC Data Warehouse, NIH awards from <http://report.nih.gov/award/trends/AggregateData.cfm> Medical Schools Only.xls, Ph.D. and other graduate degrees from the AAMC Data Warehouse



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**PM** **Physical Medicine and Rehabilitation**

Measure	U.S. Seniors		Independent Applicants	
	Matched (n=162)	Unmatched (n=9)	Matched (n=179)	Unmatched (n=129)
1. Mean number of contiguous ranks	9.6	2.8	7.6	2.7
2. Mean number of distinct specialties ranked	1.4	1.2	1.4	1.6
3. Mean USMLE Step 1 score	214	191	212	199
4. Mean USMLE Step 2 score	220	193	212	201
5. Mean number of research experiences	1.8	2.1	1.5	1.1
6. Mean number of abstracts, presentations, and publications	2.3	2.4	1.9	2.2
7. Mean number of work experiences	3.0	1.9	3.0	3.6
8. Mean number of volunteer experiences	6.4	4.9	5.2	3.1
9. Percentage who are AOA members	4.3	0.0	n/a	n/a
10. Percentage who graduated from one of the 40 U.S. medical schools with the highest NIH funding	25.3	44.4	n/a	n/a
11. Percentage who have Ph.D. degree	1.9	0.0	n/a	n/a
12. Percentage who have another graduate degree	14.2	22.2	n/a	n/a

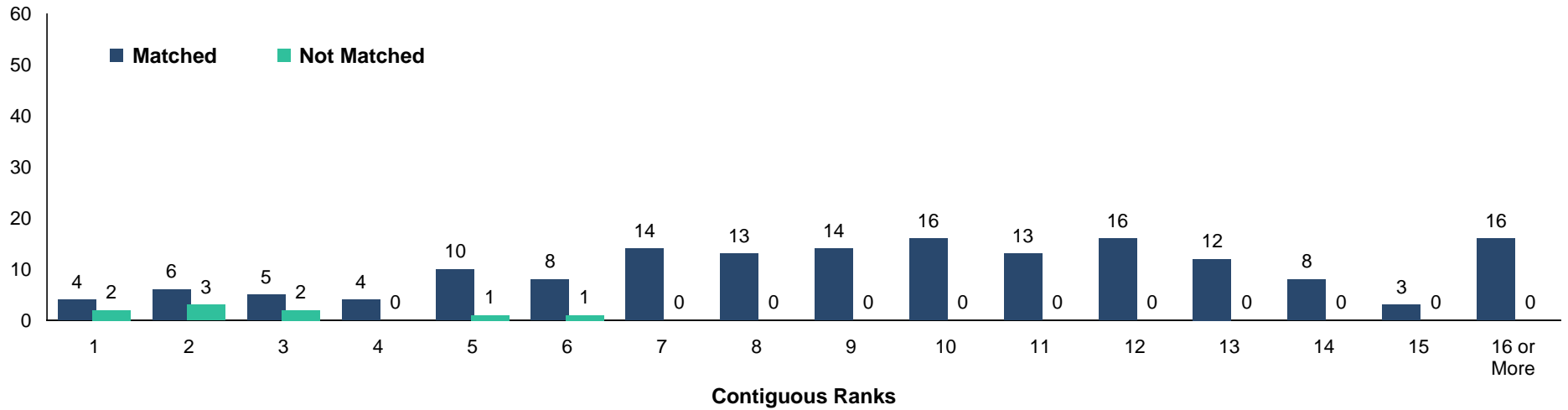
n/a: The measure either does not apply to, applies to only a small percentage of, or no reliable data were available for independent applicants.

Sources. Measures 1, 2, and match outcome are from the NRMP Data Warehouse; measures 3 and 4 are from the AAMC Data Warehouse and from the ECFMG, both by permission of the NBME and ECFMG; measures 5-9 are from the AAMC Data Warehouse; measure 10 is from the NIH website (<http://report.nih.gov/award/trends/AggregateDate.cfm> Medical Schools Only.xls); and measures 11 and 12 are from the AAMC Data Warehouse.

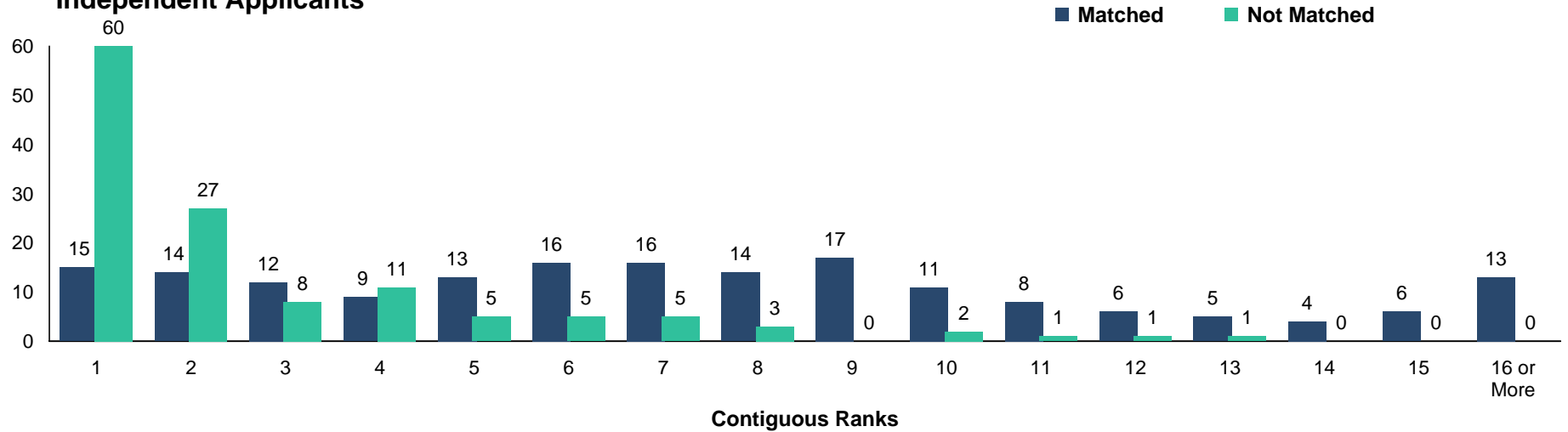
Note: USMLE Step 1 scores are not available for most osteopathic medical school graduates included in the independent applicant group. Approximately 30 percent of U.S. allopathic medical school seniors do not take the USMLE Step 2 prior to the Match.

**Number of Contiguous Ranks Within Preferred Specialty  
Physical Medicine and Rehabilitation**

**U.S. Seniors**



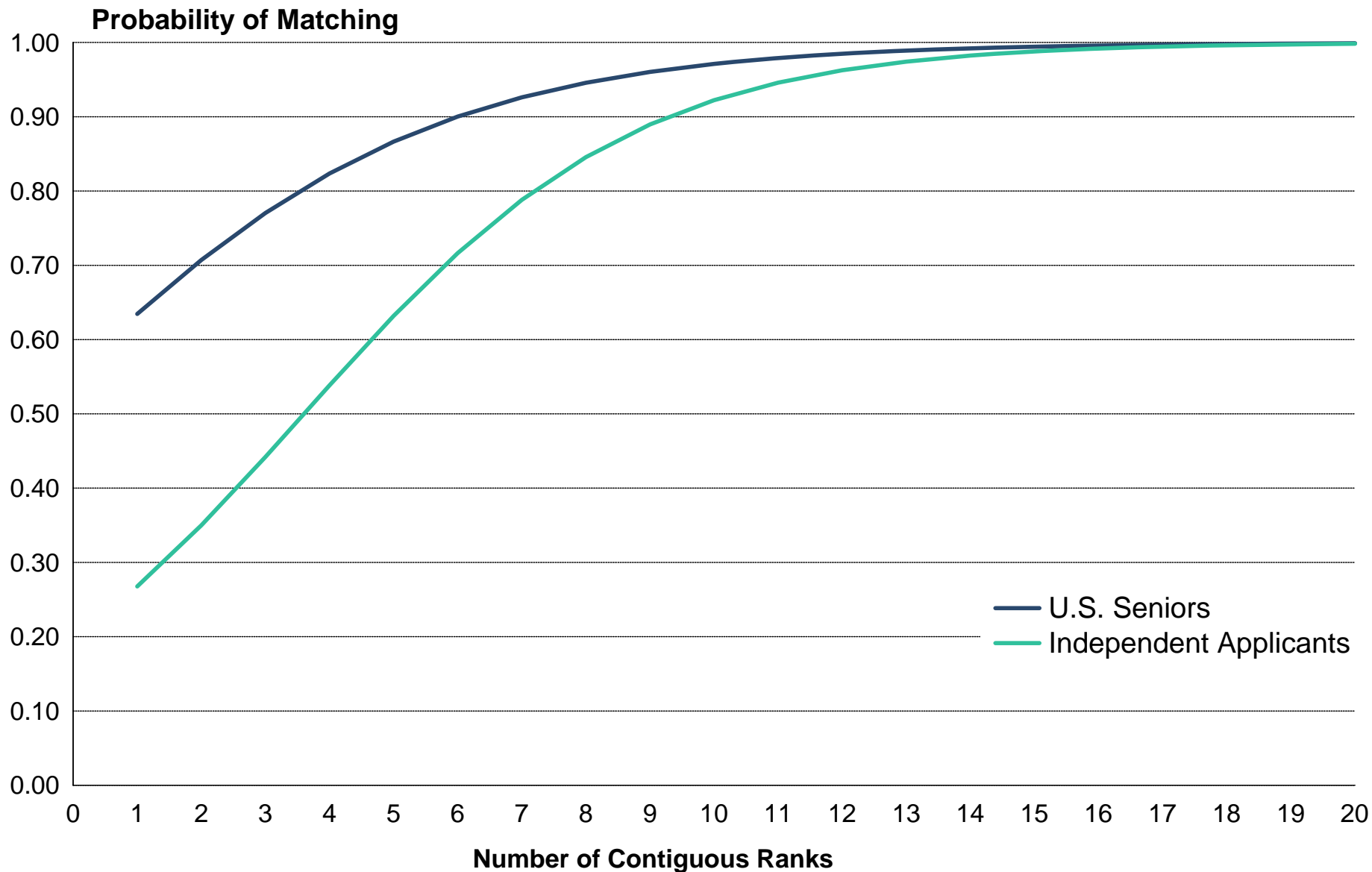
**Independent Applicants**



Source: NRMP Data Warehouse

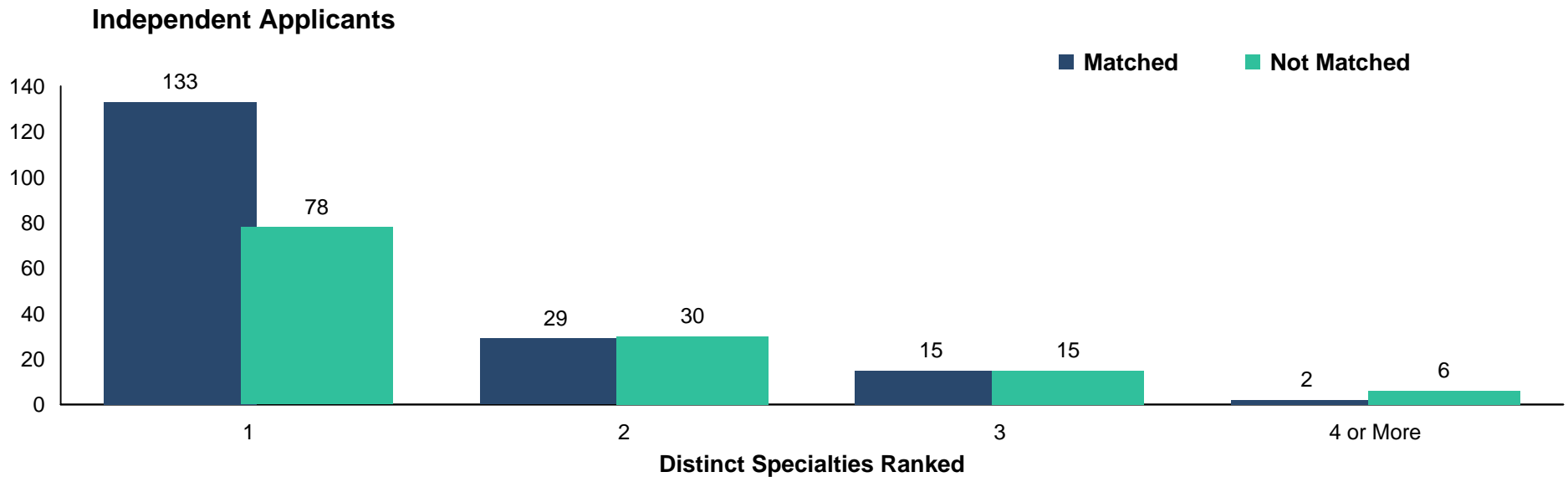
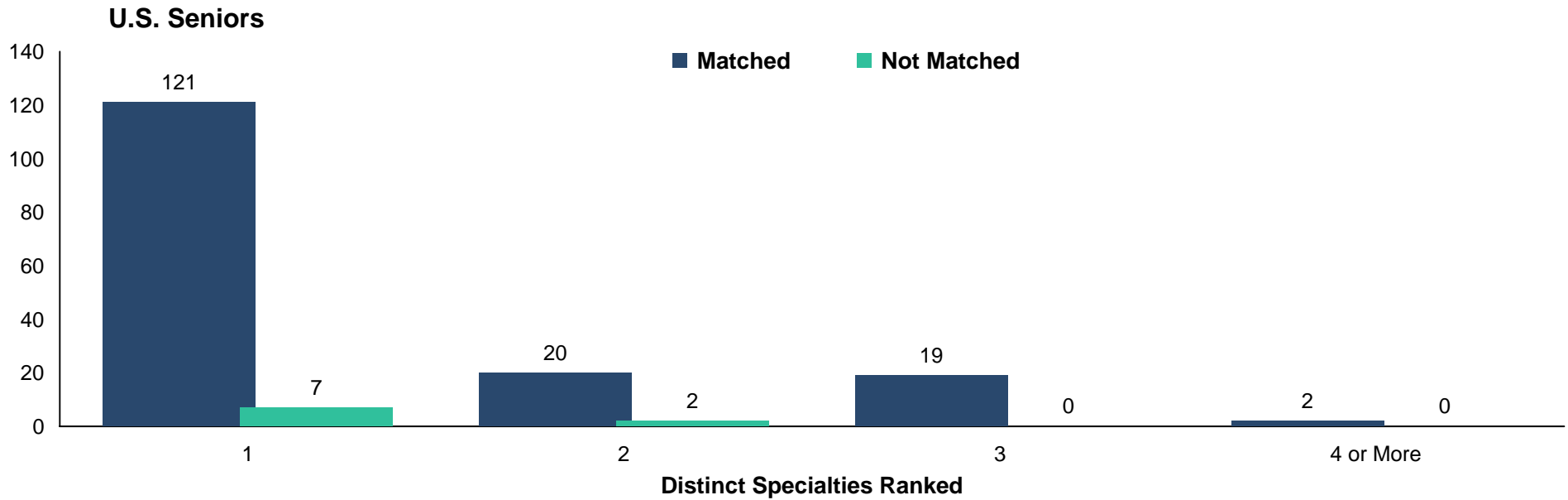
# Probability of Matching to Preferred Specialty by Number of Contiguous Ranks

## Physical Medicine and Rehabilitation



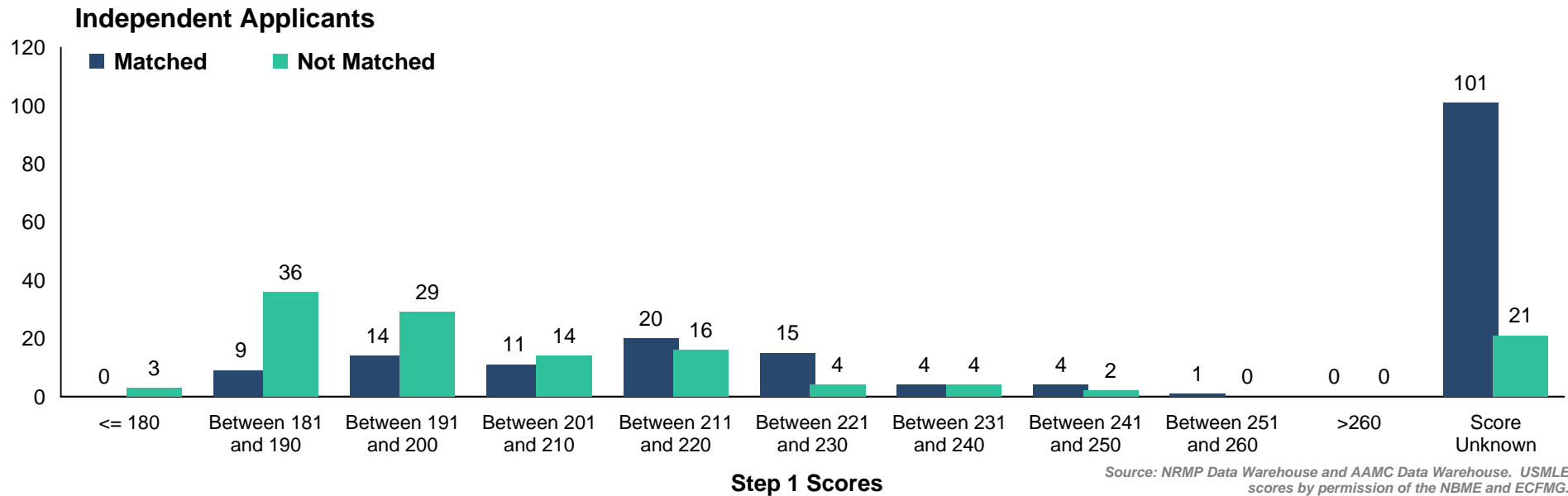
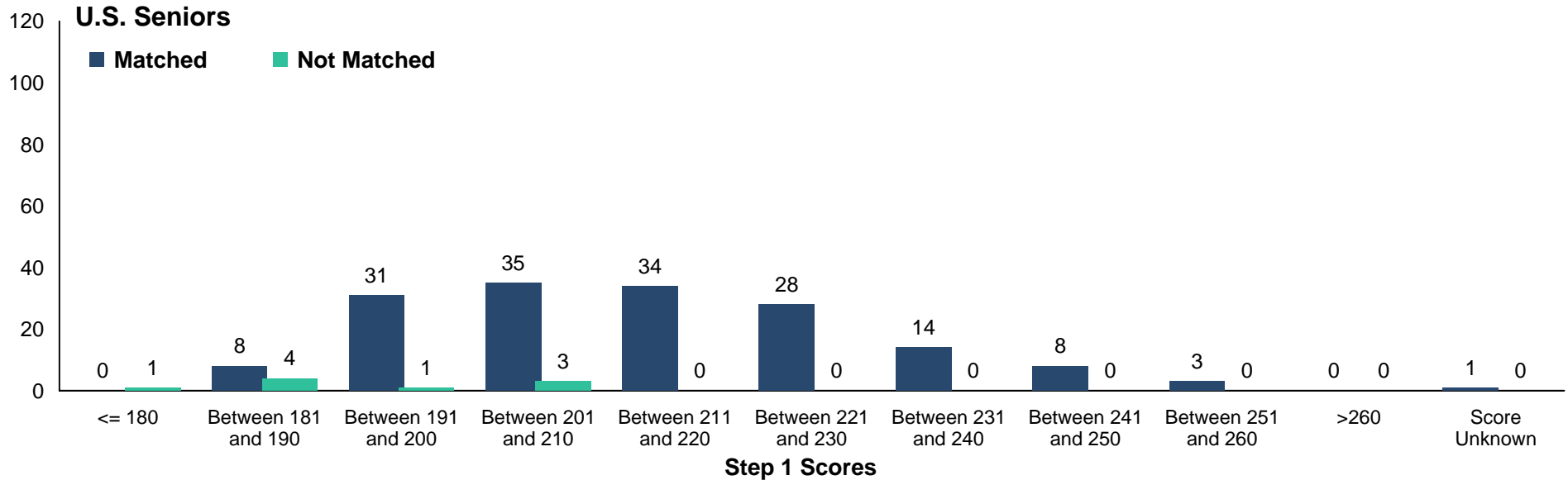
Source: NRMP Data Warehouse. Note: Probabilities calculated based on 2007-2009 applicants.

**Number of Distinct Specialties Ranked**  
*Physical Medicine and Rehabilitation*



Source: NRMP Data Warehouse

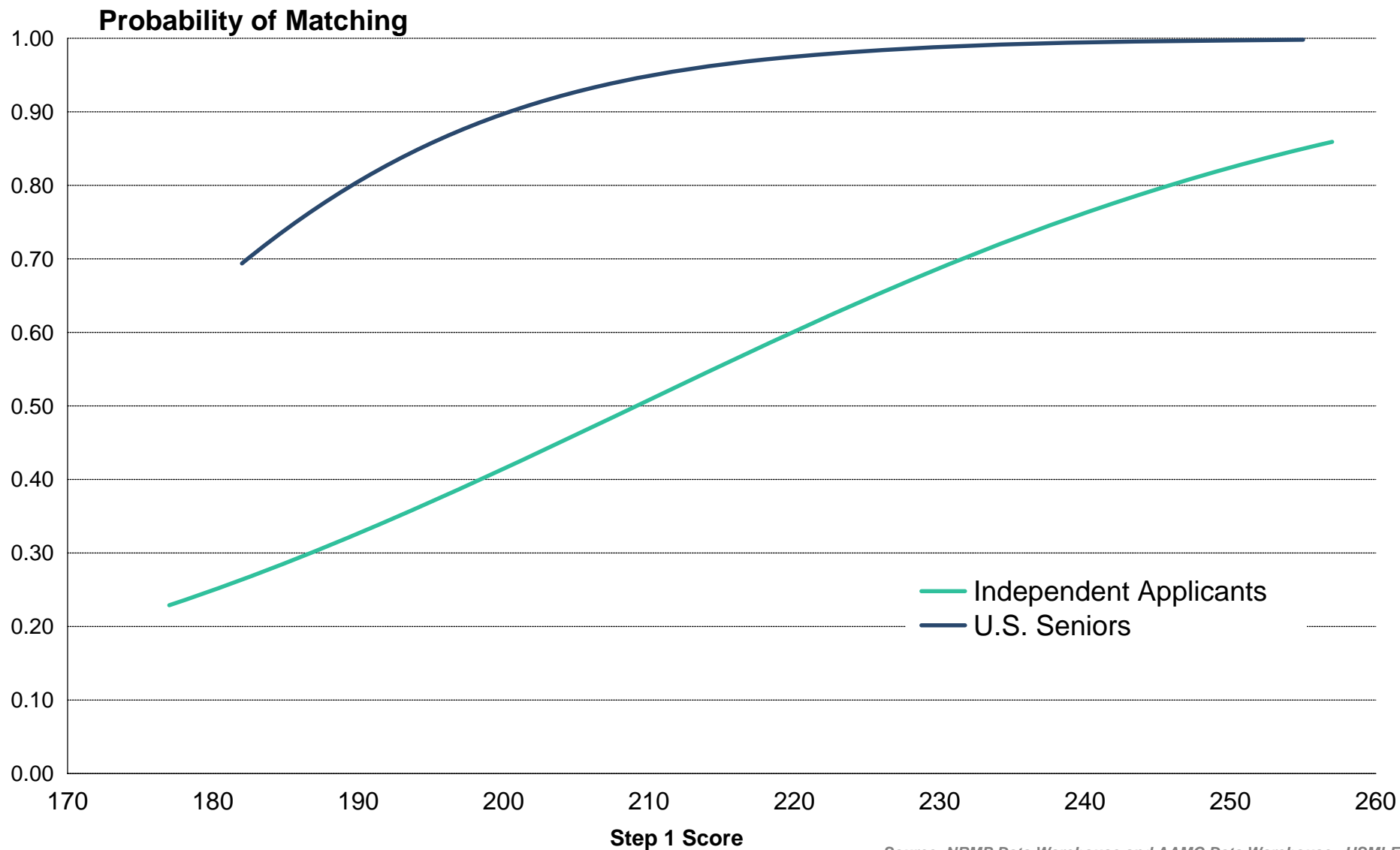
**USMLE Step 1 Scores  
Physical Medicine and Rehabilitation**



Source: NRMP Data Warehouse and AAMC Data Warehouse. USMLE scores by permission of the NBME and ECFMG.

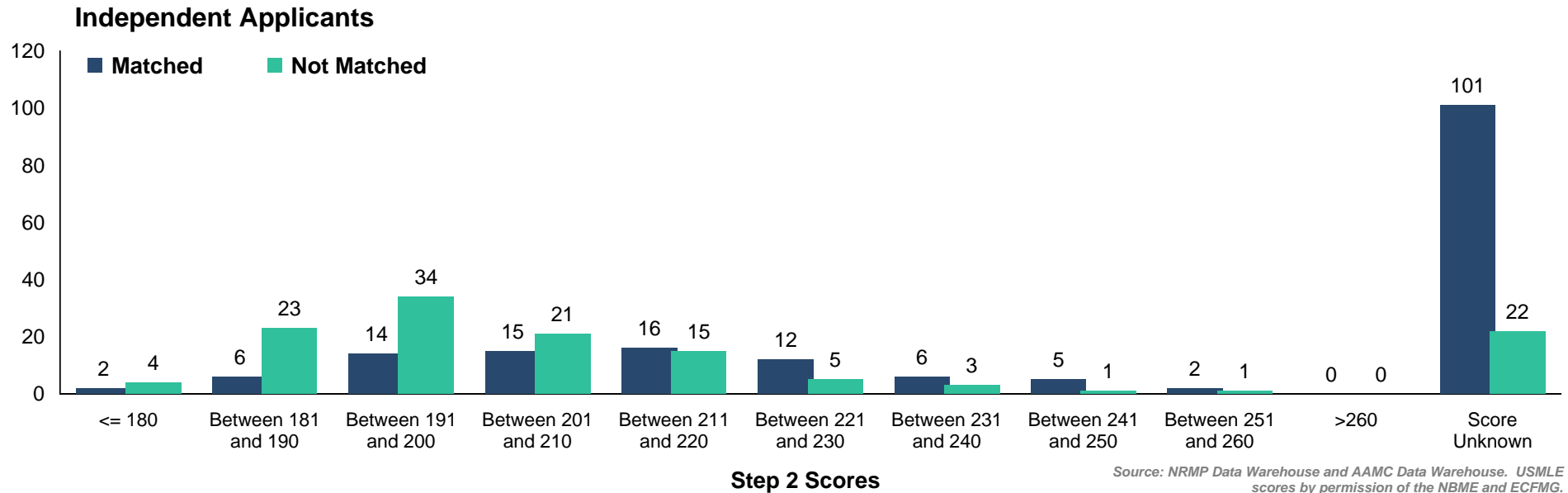
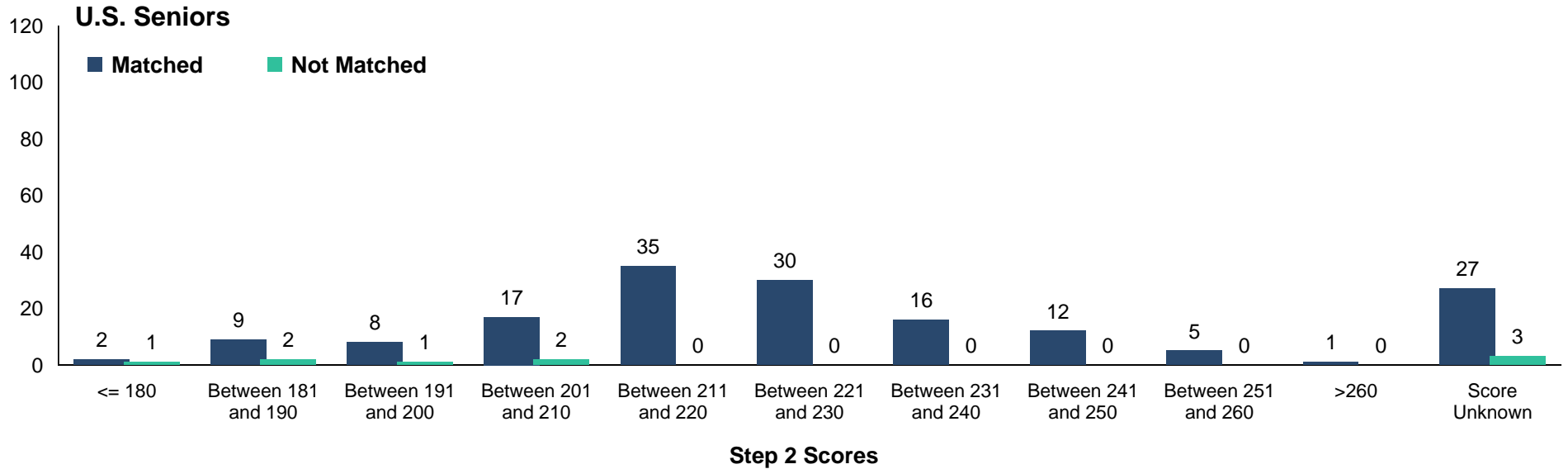
# Probability of Matching to Preferred Specialty by USMLE Step 1 Score

## Physical Medicine and Rehabilitation



Source: NRMP Data Warehouse and AAMC Data Warehouse. USMLE scores by permission of the NBME and ECFMG. Note: Probabilities calculated based on 2007-2009 applicants.

**USMLE Step 2 Scores  
Physical Medicine and Rehabilitation**

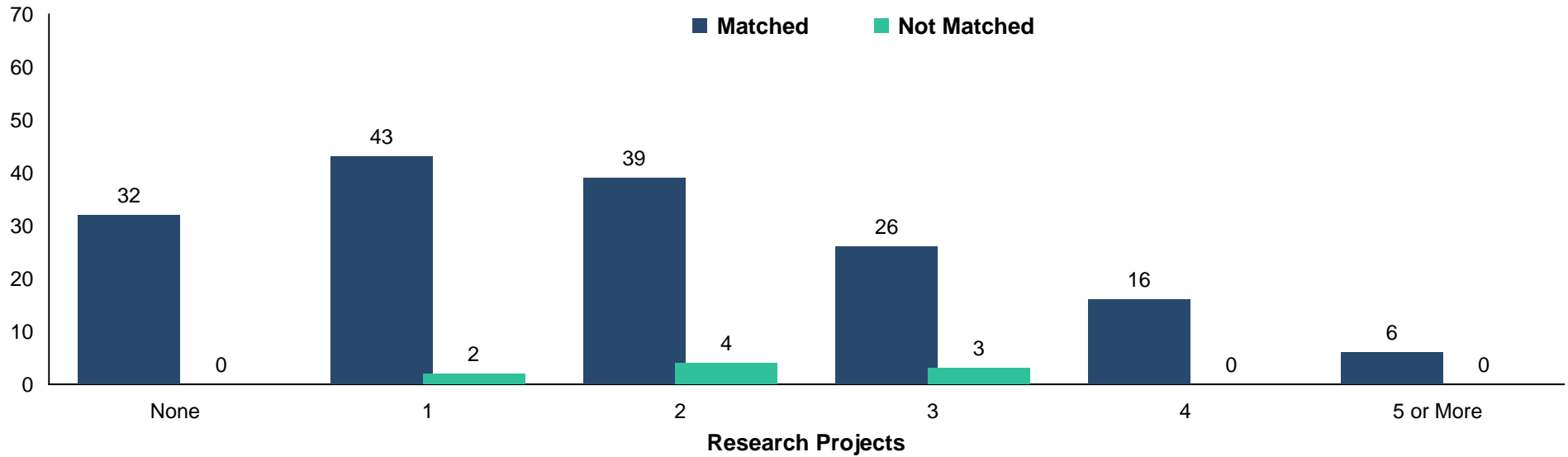


Source: NRMP Data Warehouse and AAMC Data Warehouse. USMLE scores by permission of the NBME and ECFMG.

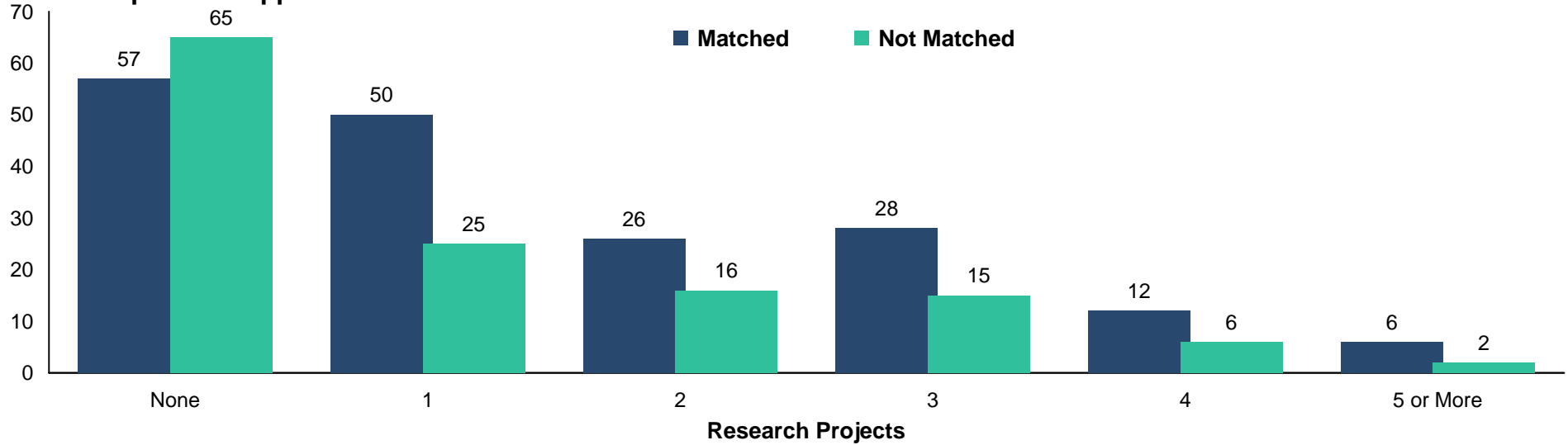


**Number of Research Projects  
Physical Medicine and Rehabilitation**

**U.S. Seniors**

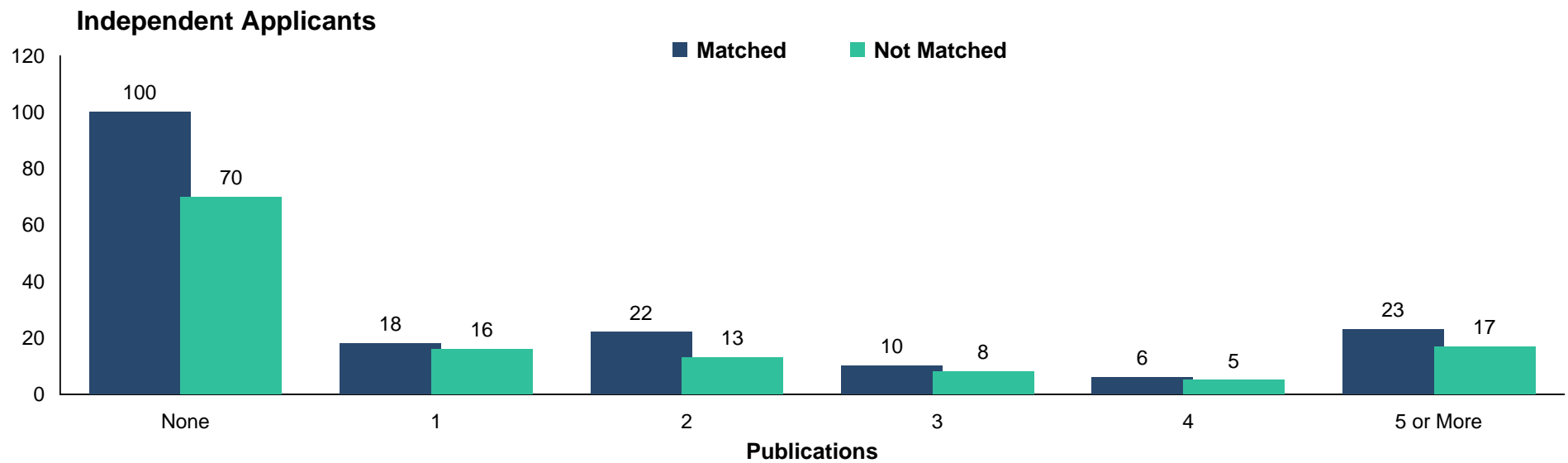
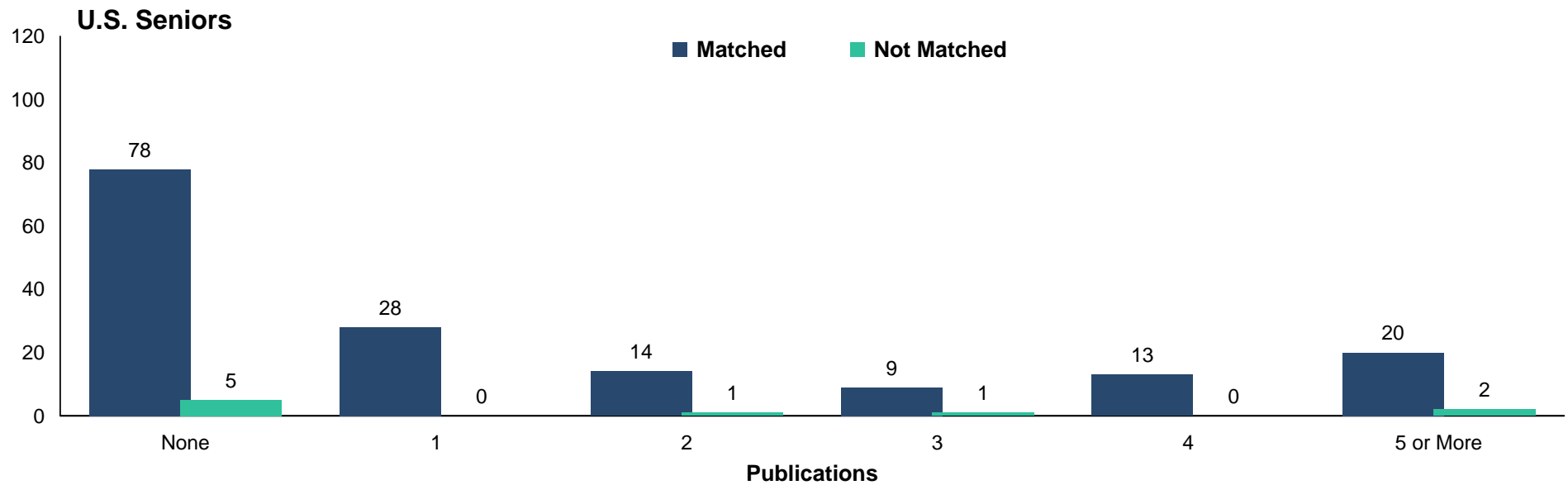


**Independent Applicants**



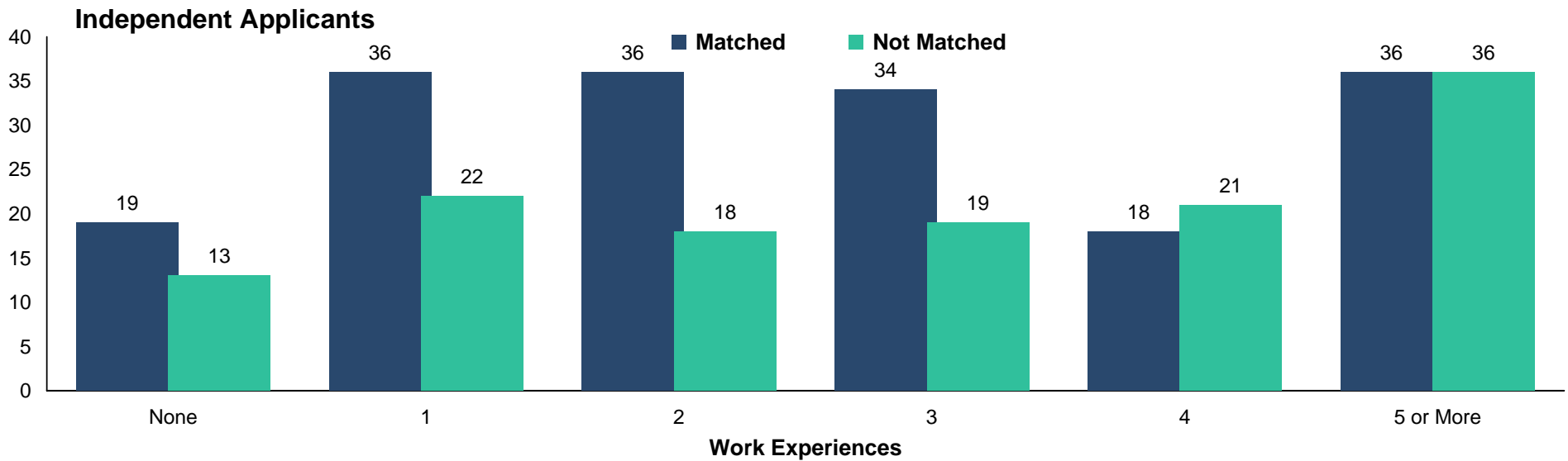
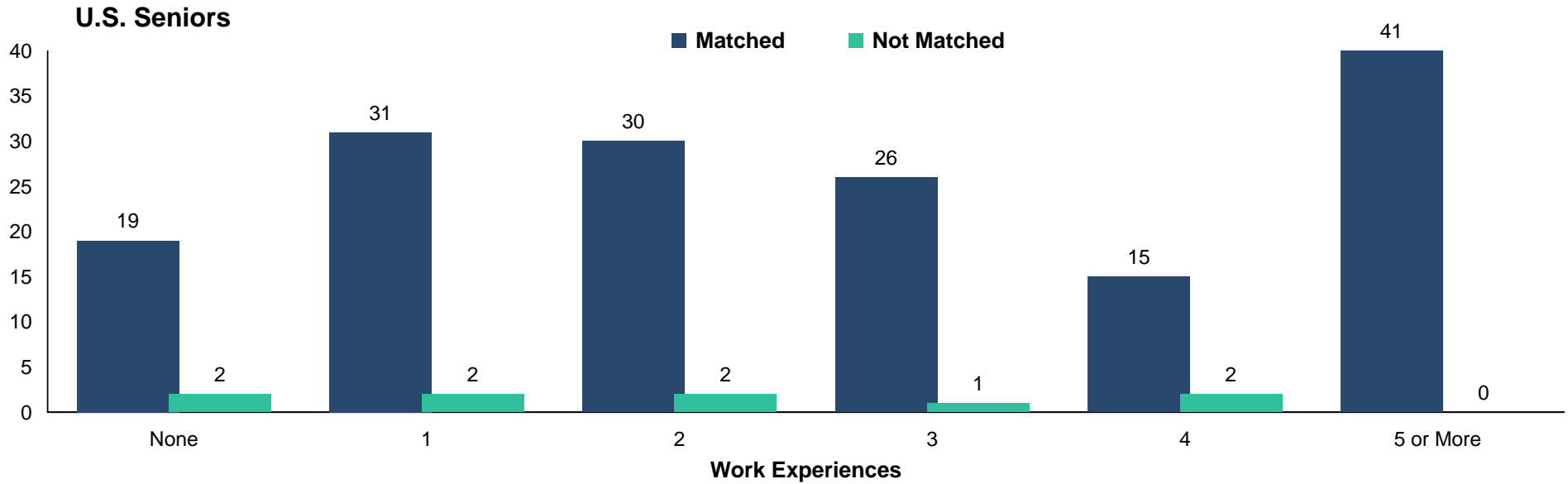
Source: NRMP Data Warehouse and AAMC Data Warehouse

**Number of Abstracts, Presentations, and Publications**  
*Physical Medicine and Rehabilitation*



Source: NRMP Data Warehouse and AAMC Data Warehouse

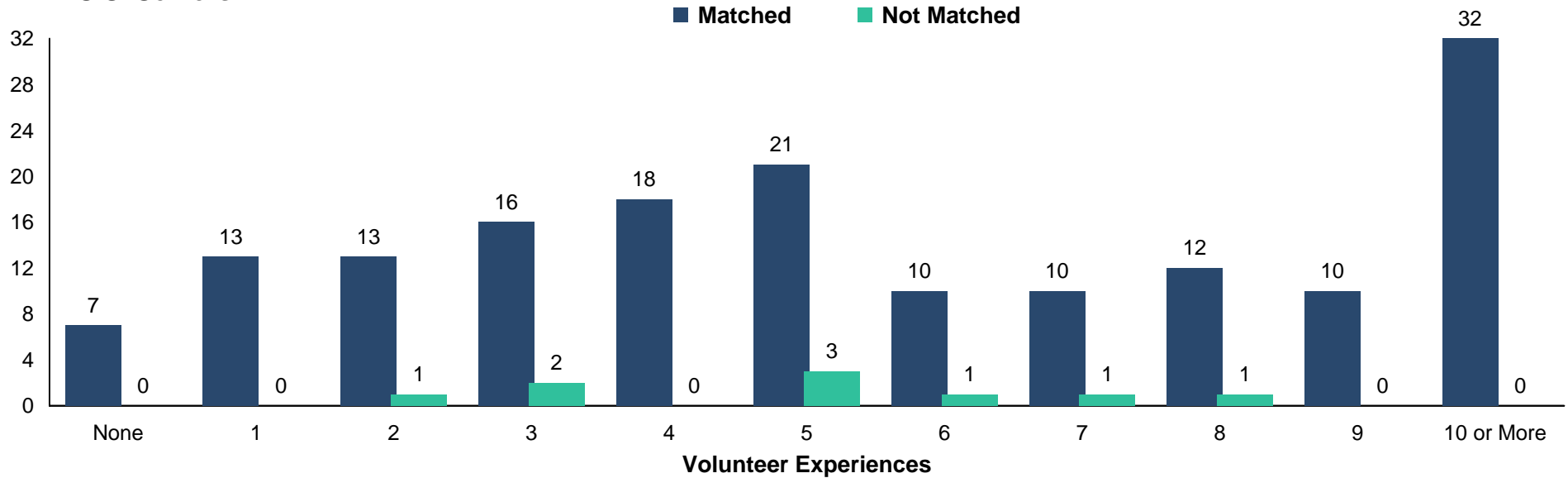
**Number of Work Experiences  
Physical Medicine and Rehabilitation**



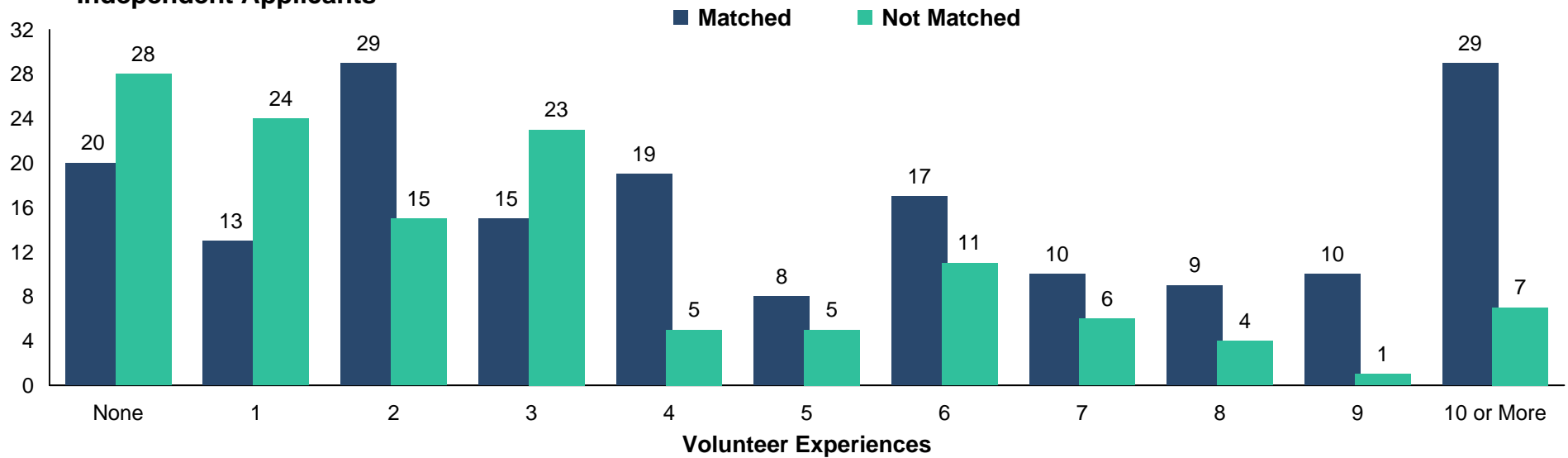
Source: NRMP Data Warehouse and AAMC Data Warehouse

**Number of Volunteer Experiences**  
*Physical Medicine and Rehabilitation*

**U.S. Seniors**



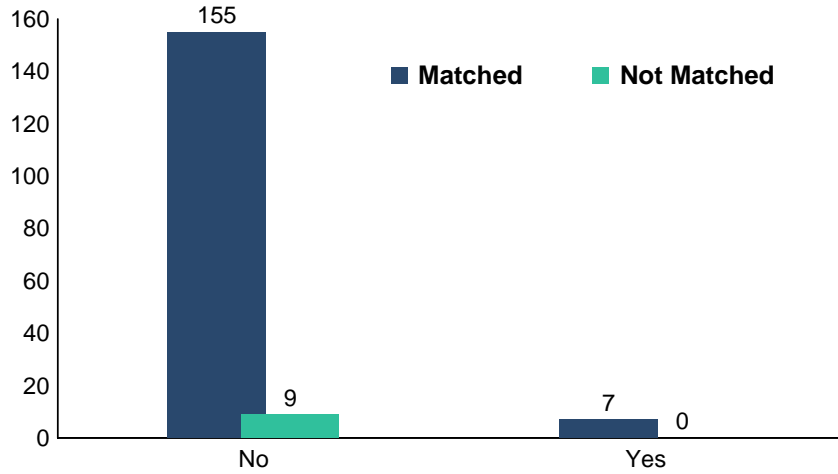
**Independent Applicants**



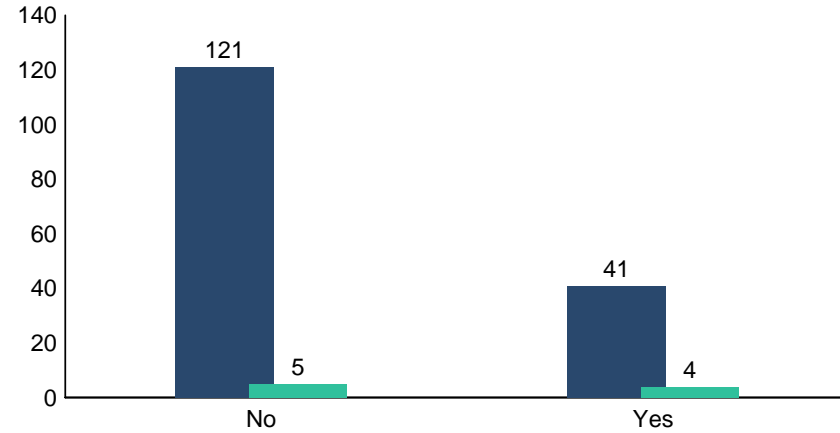
Source: NRMP Data Warehouse and AAMC Data Warehouse.

**Other Characteristics of U.S. Seniors**  
*Physical Medicine and Rehabilitation*

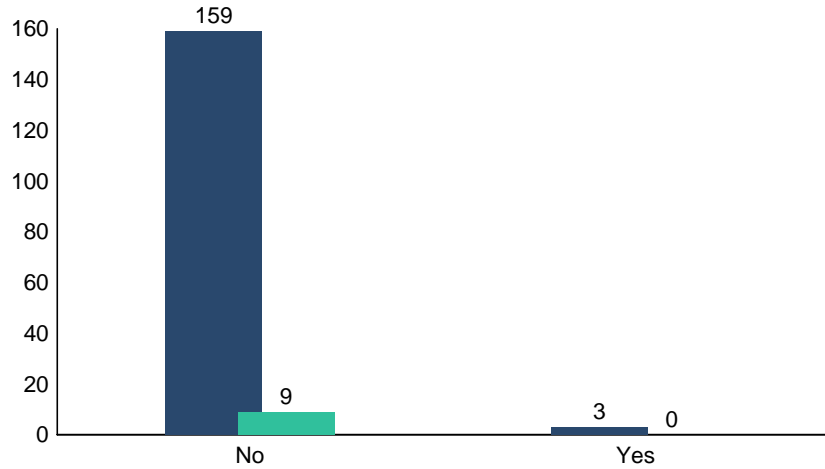
**AOA Membership**



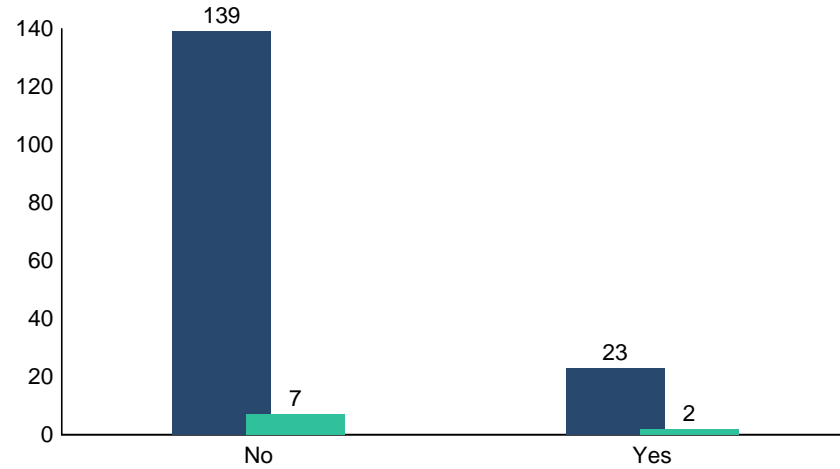
**Graduate of One of the 40 U.S. Medical Schools with the Highest NIH Funding**



**Ph.D. Degree**



**Other Graduate Degree**



Sources: AOA membership from the AAMC Data Warehouse, NIH awards from <http://report.nih.gov/award/trends/AggregateData.cfm> Medical Schools Only.xls, Ph.D. and other graduate degrees from the AAMC Data Warehouse

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**PS** Plastic Surgery

**Table PS-1** **Summary Statistics**  
*Plastic Surgery*

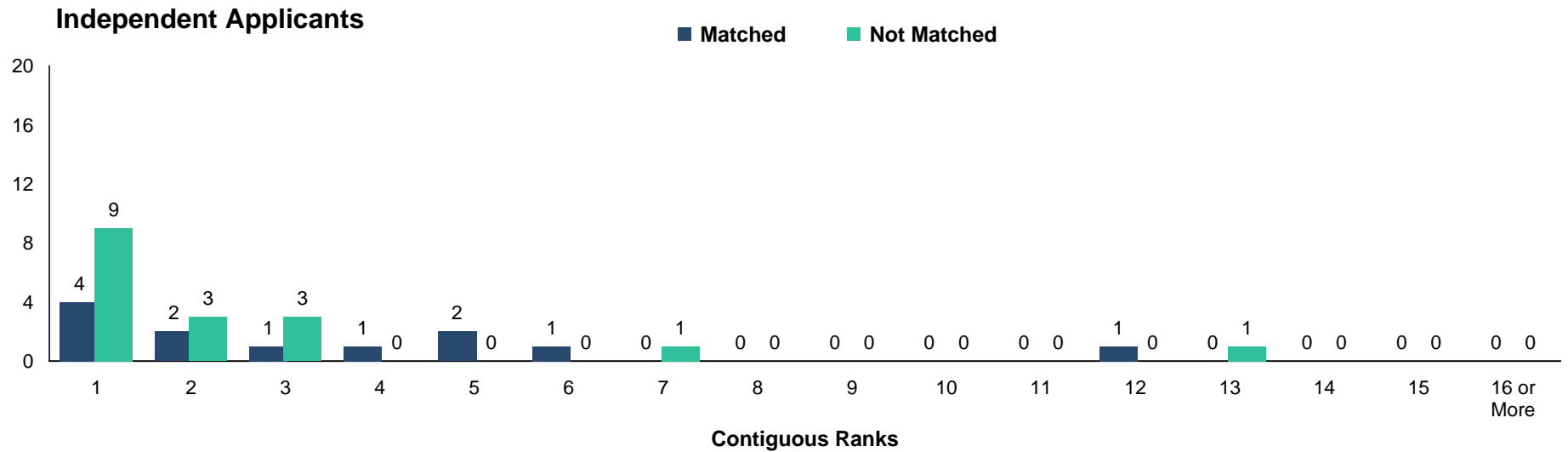
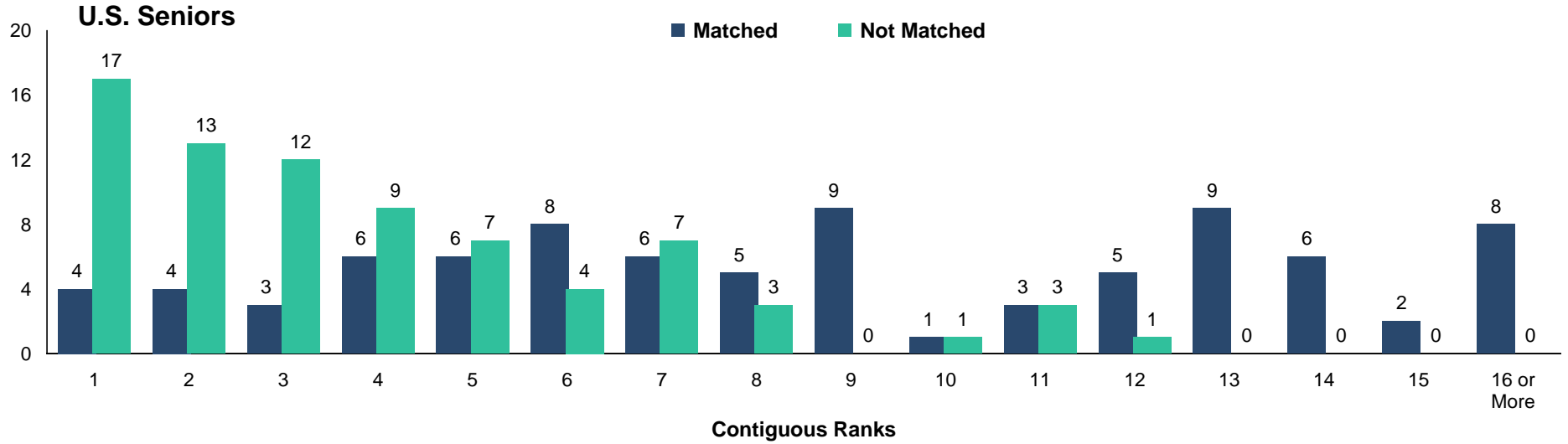
Measure	U.S. Seniors		Independent Applicants	
	Matched (n=85)	Unmatched (n=77)	Matched (n=12)	Unmatched (n=17)
1. Mean number of contiguous ranks	9.0	3.9	3.6	2.6
2. Mean number of distinct specialties ranked	1.6	1.8	1.4	1.8
3. Mean USMLE Step 1 score	245	232	224	221
4. Mean USMLE Step 2 score	245	233	219	226
5. Mean number of research experiences	3.7	3.1	3.4	2.4
6. Mean number of abstracts, presentations, and publications	8.2	5.0	16.8	9.4
7. Mean number of work experiences	2.9	2.8	3.6	2.2
8. Mean number of volunteer experiences	6.7	6.1	3.8	3.5
9. Percentage who are AOA members	42.4	14.3	n/a	n/a
10. Percentage who graduated from one of the 40 U.S. medical schools with the highest NIH funding	51.8	48.1	n/a	n/a
11. Percentage who have Ph.D. degree	2.4	9.1	n/a	n/a
12. Percentage who have another graduate degree	10.6	10.4	n/a	n/a

n/a: The measure either does not apply to, applies to only a small percentage of, or no reliable data were available for independent applicants.

Sources. Measures 1, 2, and match outcome are from the NRMP Data Warehouse; measures 3 and 4 are from the AAMC Data Warehouse and from the ECFMG, both by permission of the NBME and ECFMG; measures 5-9 are from the AAMC Data Warehouse; measure 10 is from the NIH website (<http://report.nih.gov/award/trends/AggregateDate.cfm> Medical Schools Only.xls); and measures 11 and 12 are from the AAMC Data Warehouse.

Note: USMLE Step 1 scores are not available for most osteopathic medical school graduates included in the independent applicant group. Approximately 30 percent of U.S. allopathic medical school seniors do not take the USMLE Step 2 prior to the Match.

**Number of Contiguous Ranks Within Preferred Specialty  
Plastic Surgery**

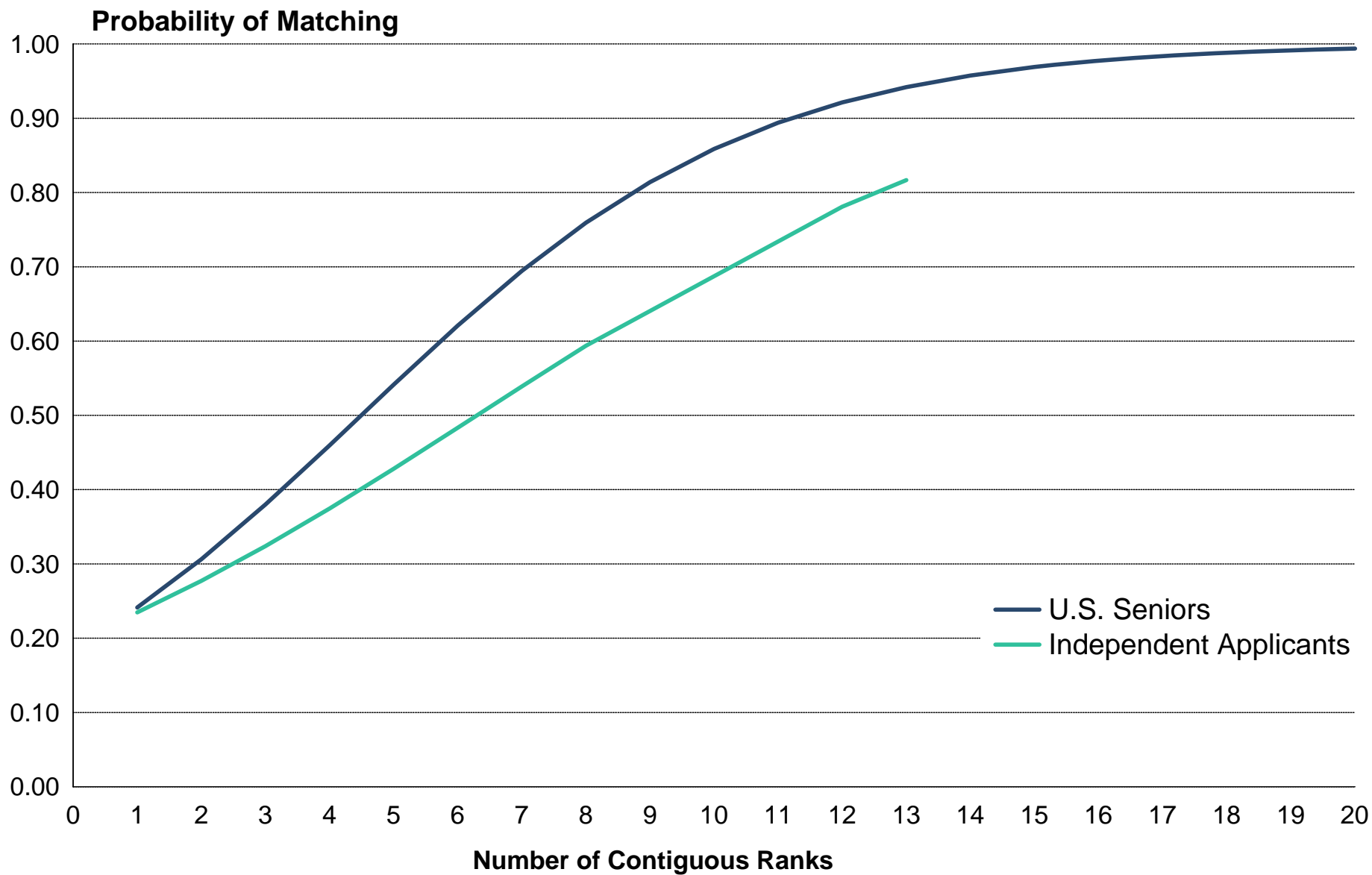


Source: NRMP Data Warehouse



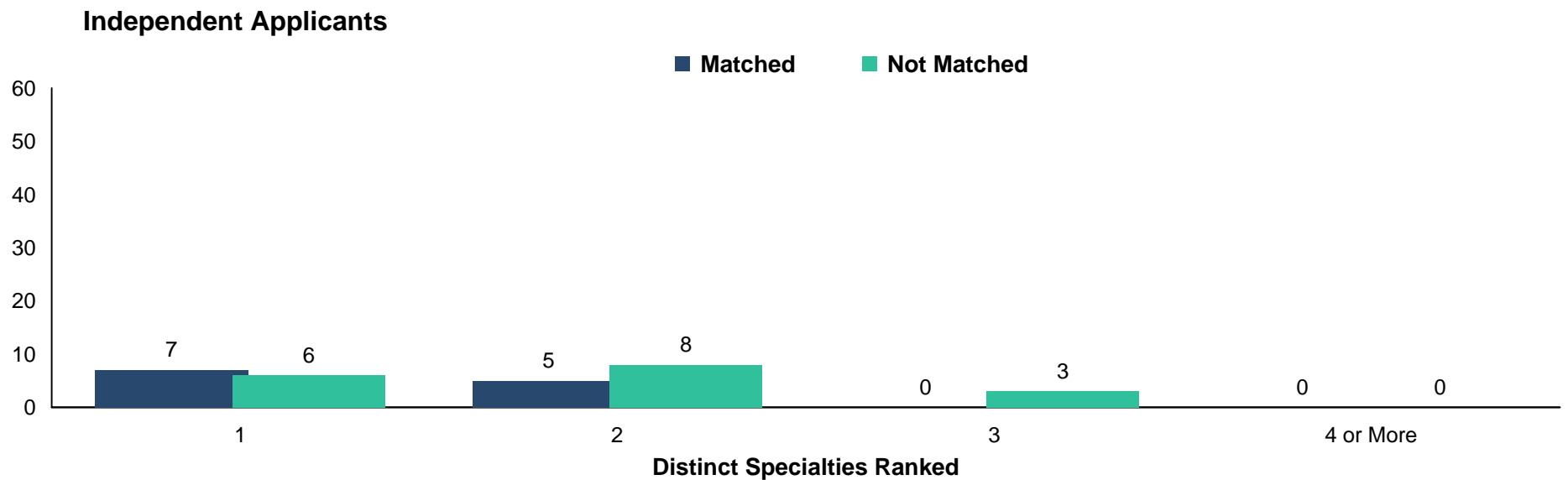
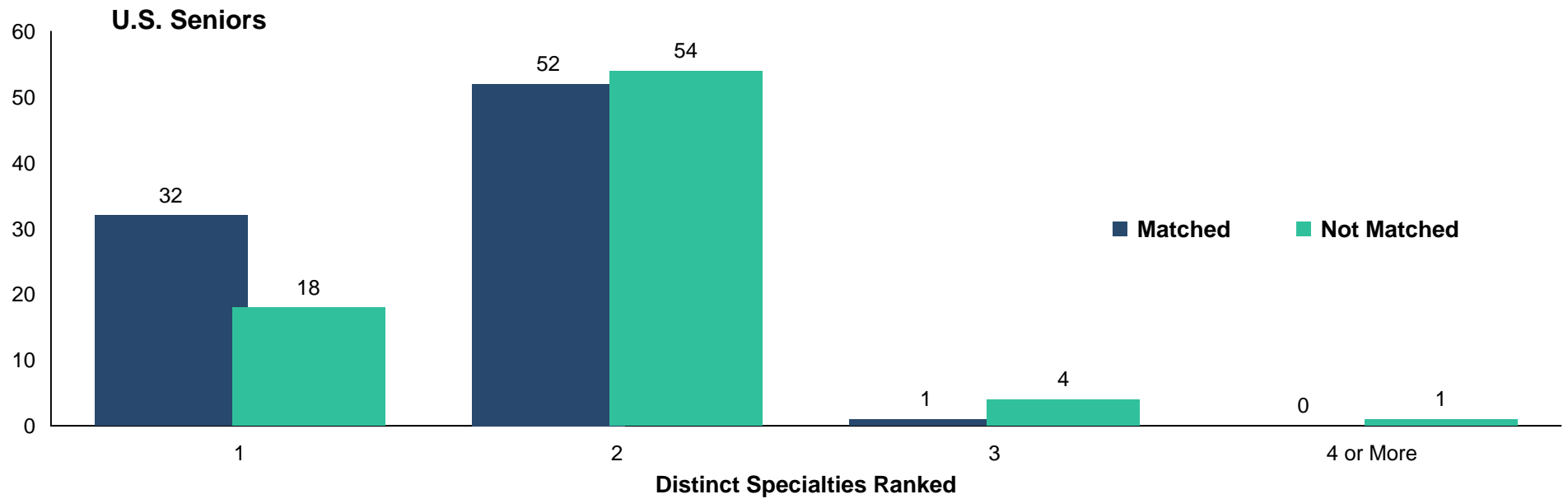
# Probability of Matching to Preferred Specialty by Number of Contiguous Ranks

## Plastic Surgery

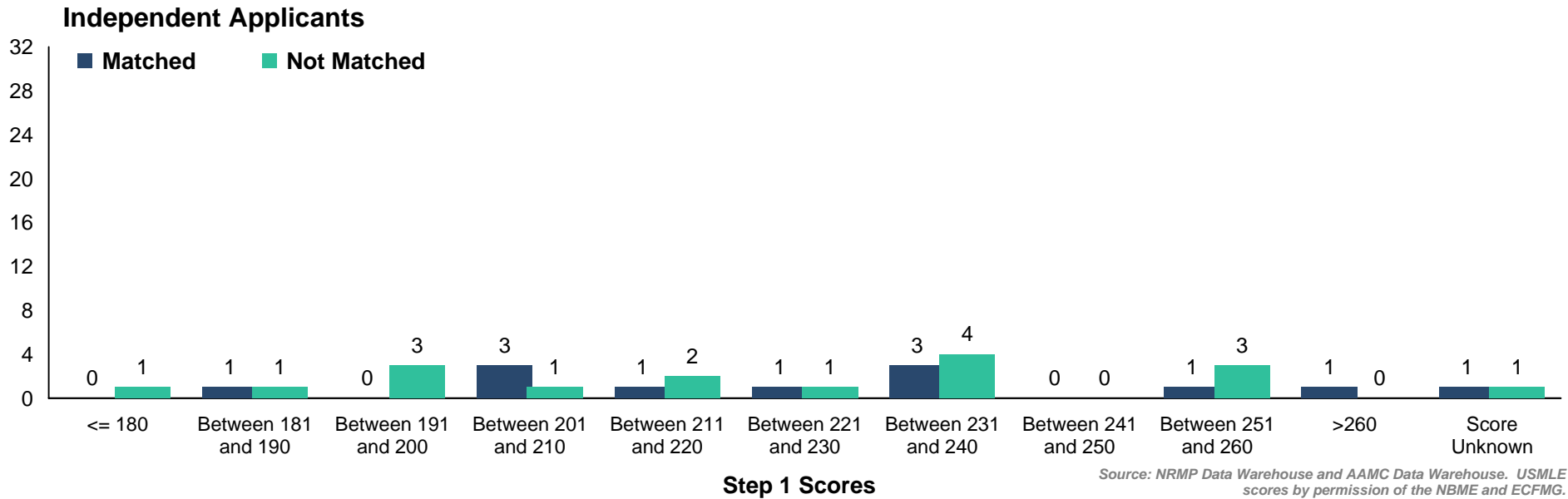
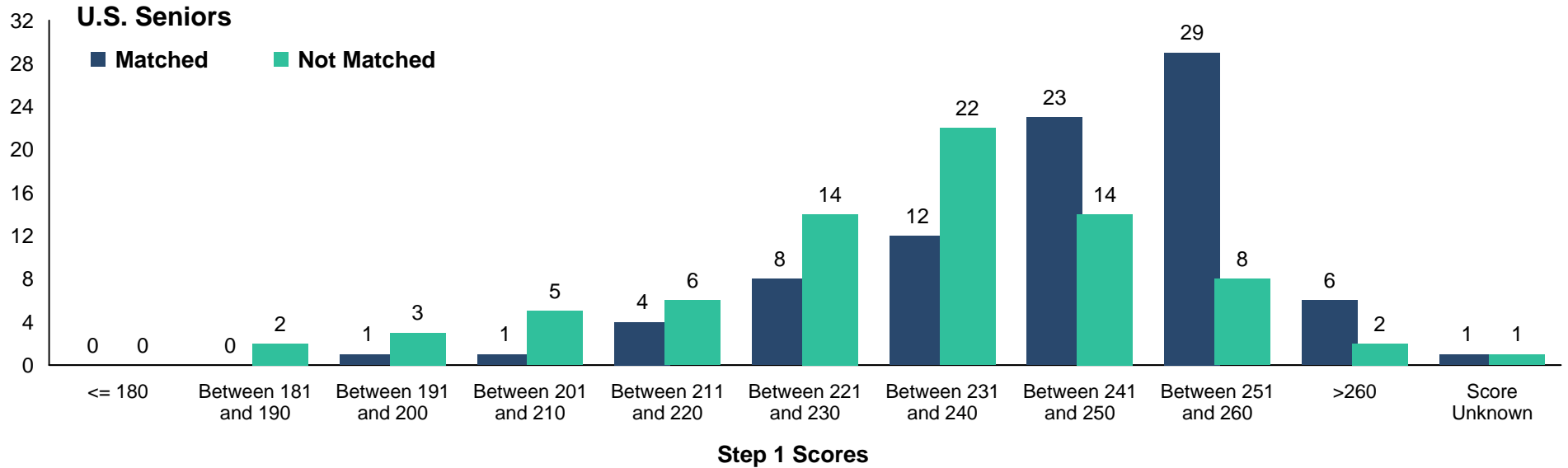


Source: NRMP Data Warehouse. Note: Probabilities calculated based on 2007-2009 applicants.

**Number of Distinct Specialties Ranked**  
*Plastic Surgery*



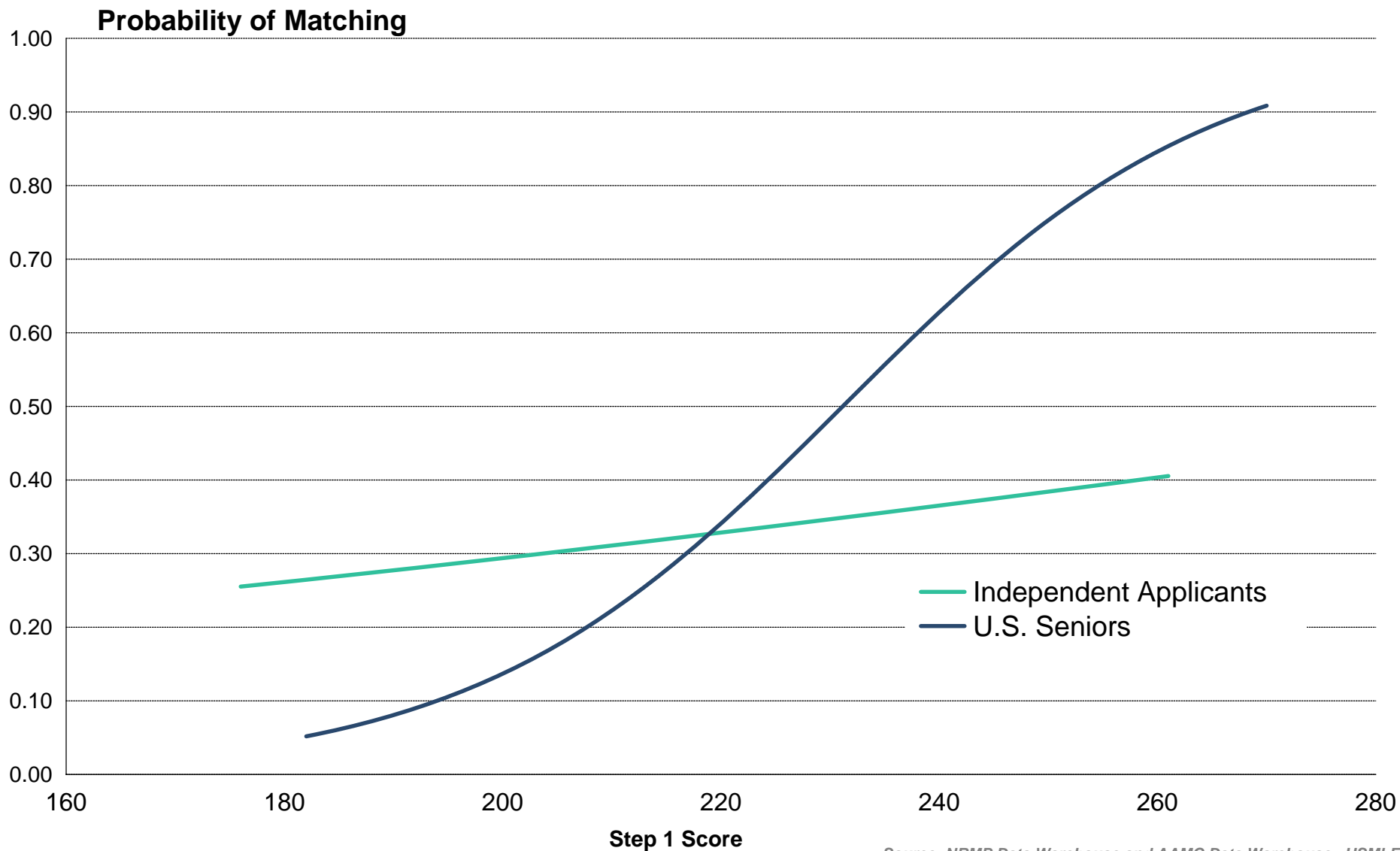
Source: NRMP Data Warehouse



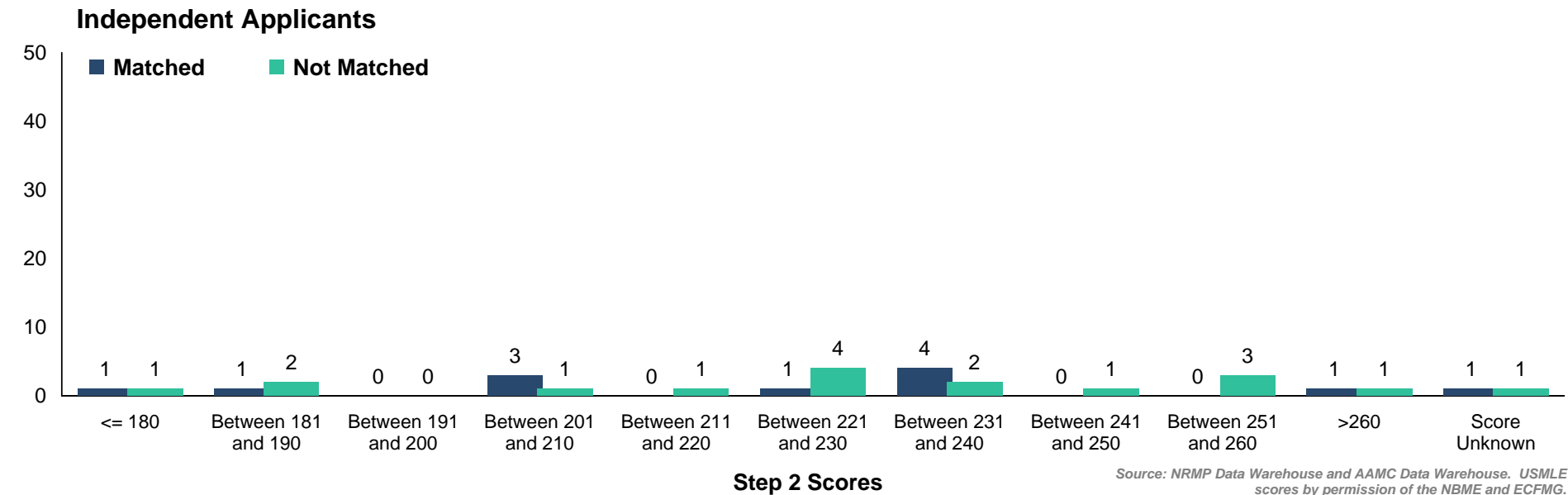
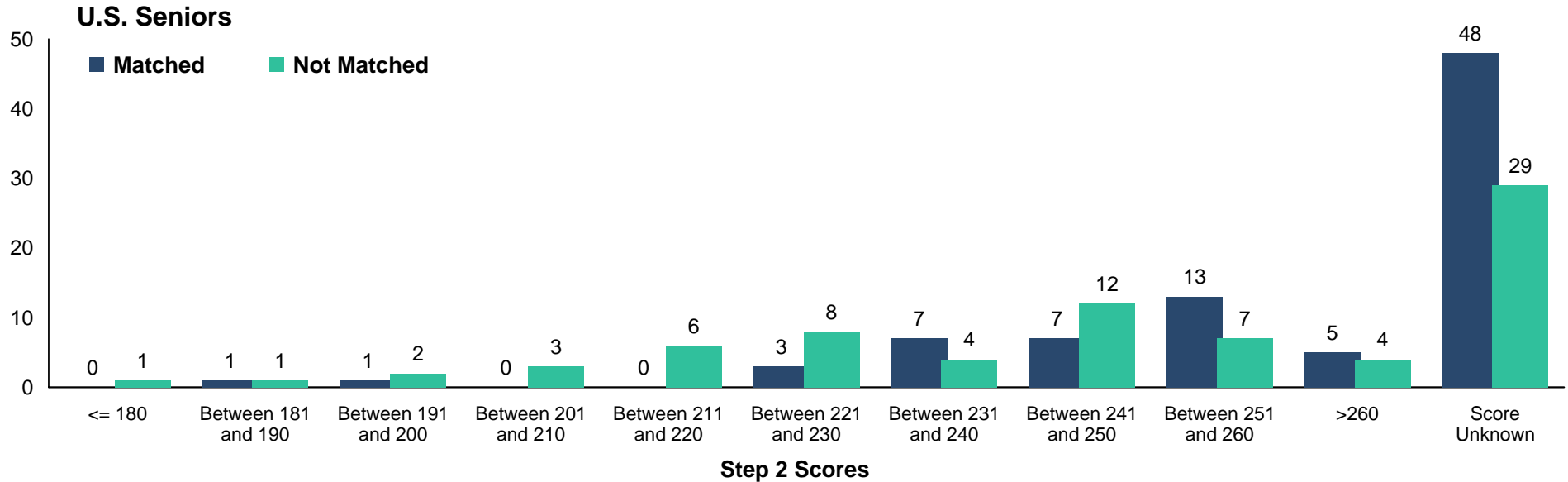
Source: NRMP Data Warehouse and AAMC Data Warehouse. USMLE scores by permission of the NBME and ECFMG.

# Probability of Matching to Preferred Specialty by USMLE Step 1 Score

## Plastic Surgery

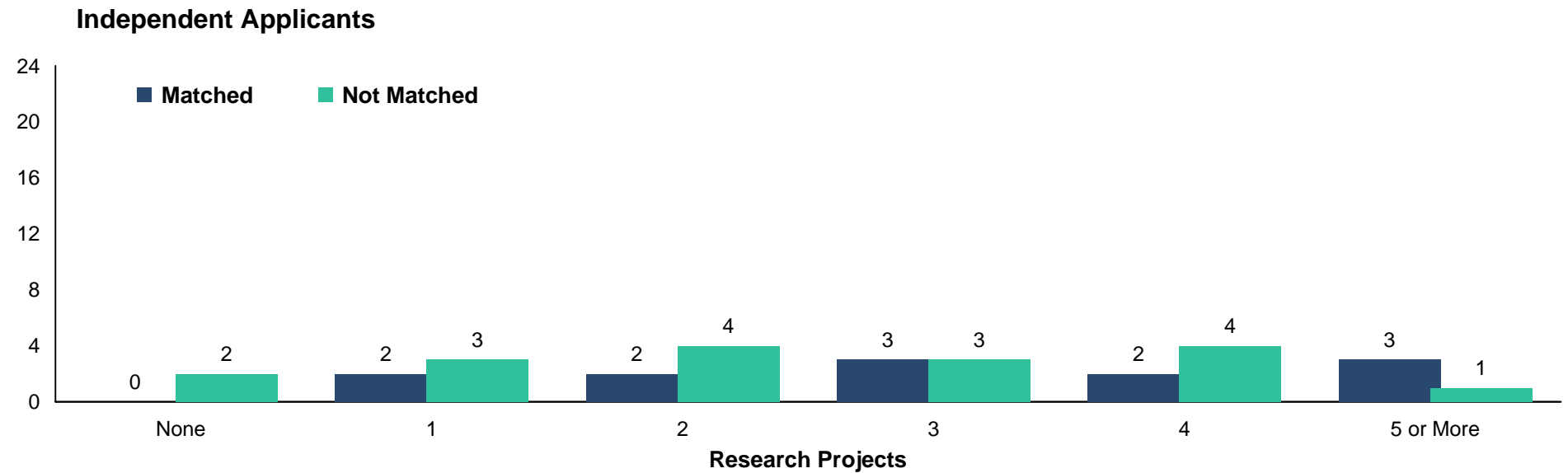
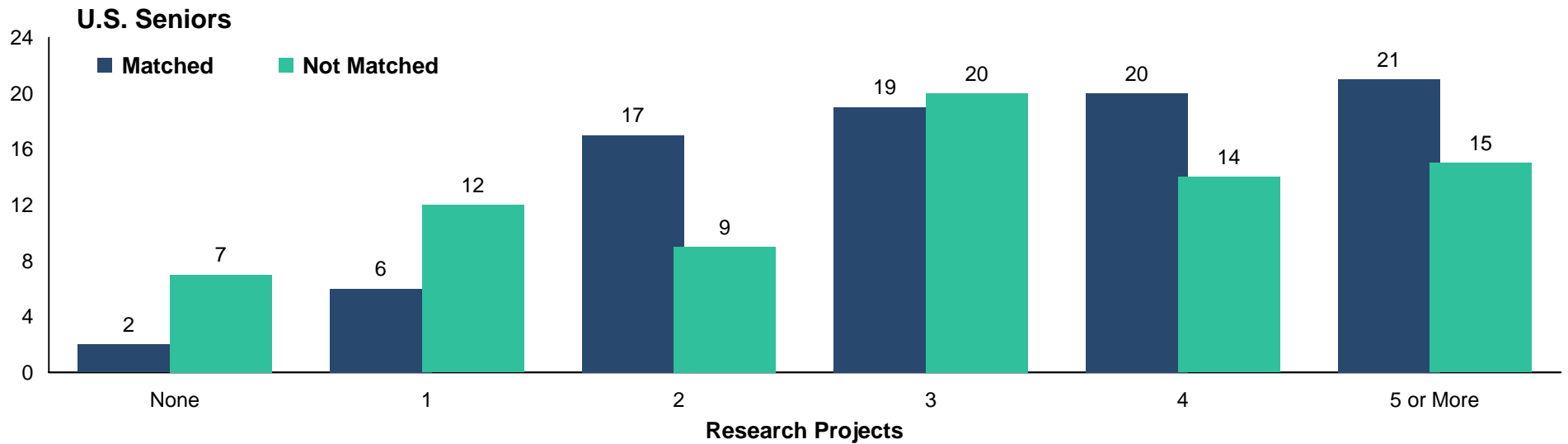


Source: NRMP Data Warehouse and AAMC Data Warehouse. USMLE scores by permission of the NBME and ECFMG. Note: Probabilities calculated based on 2007-2009 applicants.



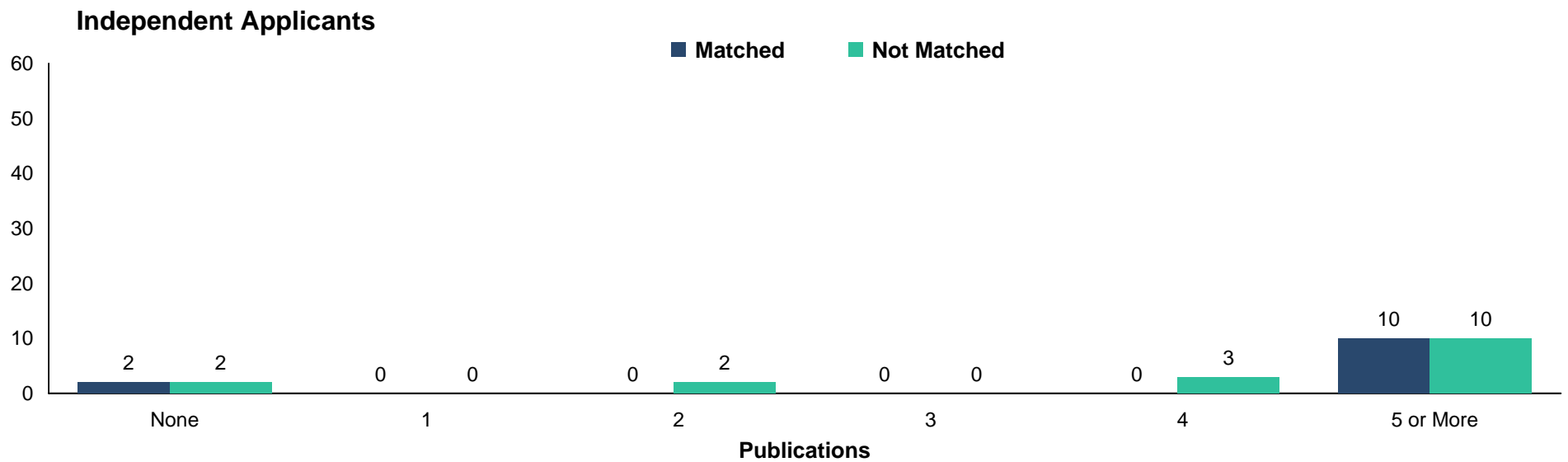
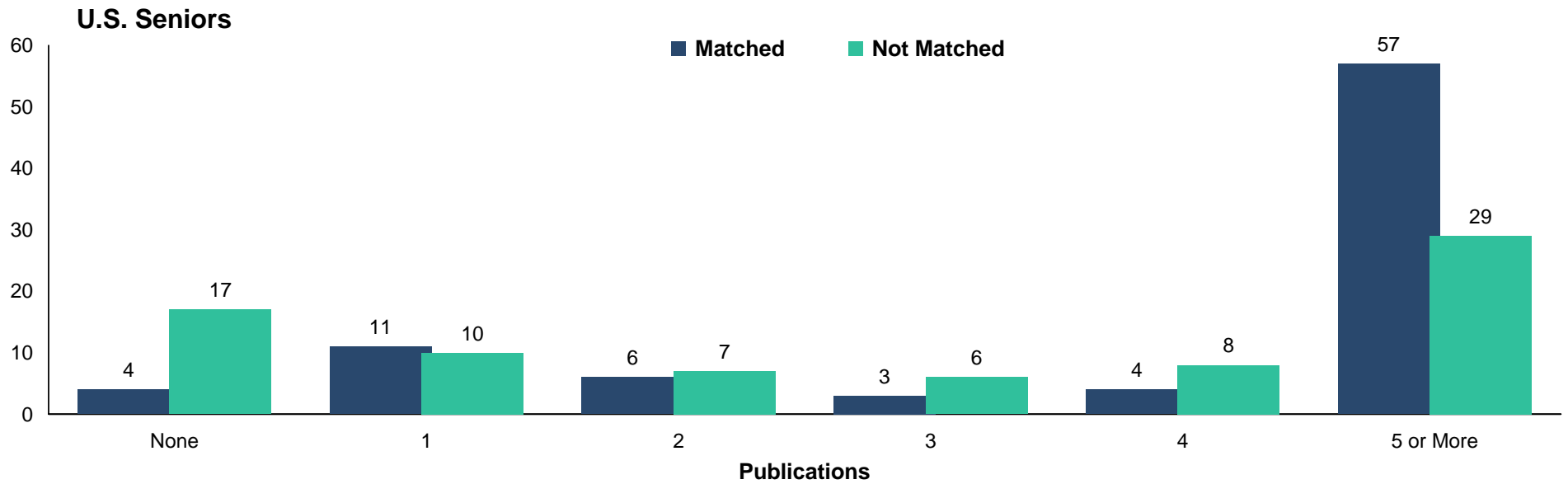
Source: NRMP Data Warehouse and AAMC Data Warehouse. USMLE scores by permission of the NBME and ECFMG.

**Number of Research Projects  
Plastic Surgery**

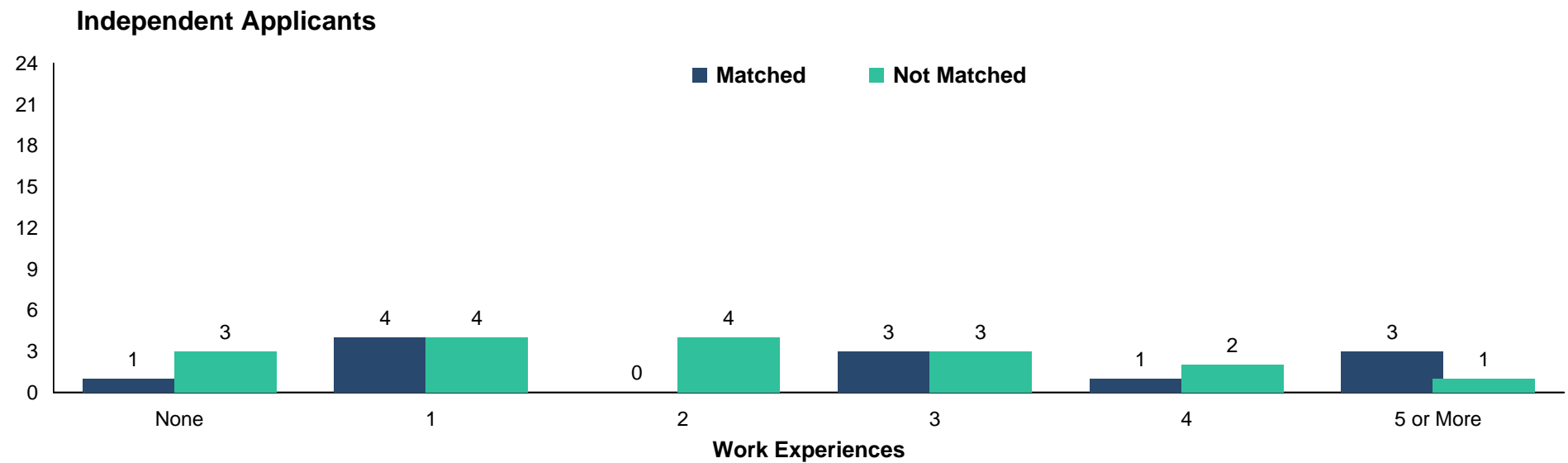
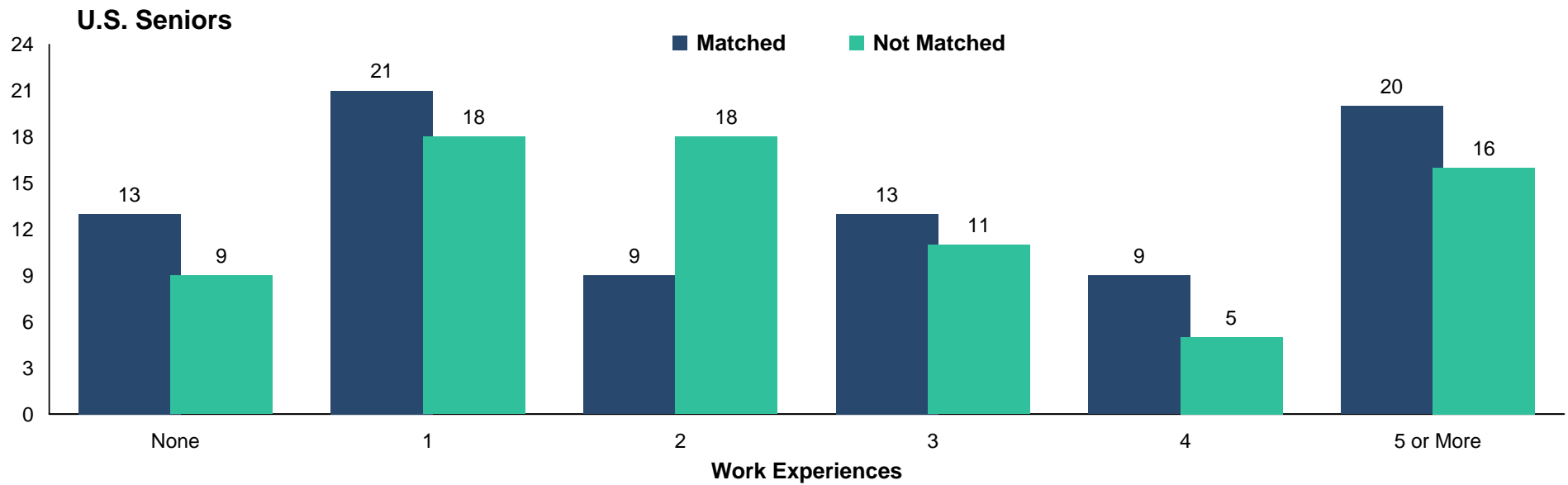


Source: NRMP Data Warehouse and AAMC Data Warehouse

**Number of Abstracts, Presentations, and Publications**  
*Plastic Surgery*



Source: NRMP Data Warehouse and AAMC Data Warehouse

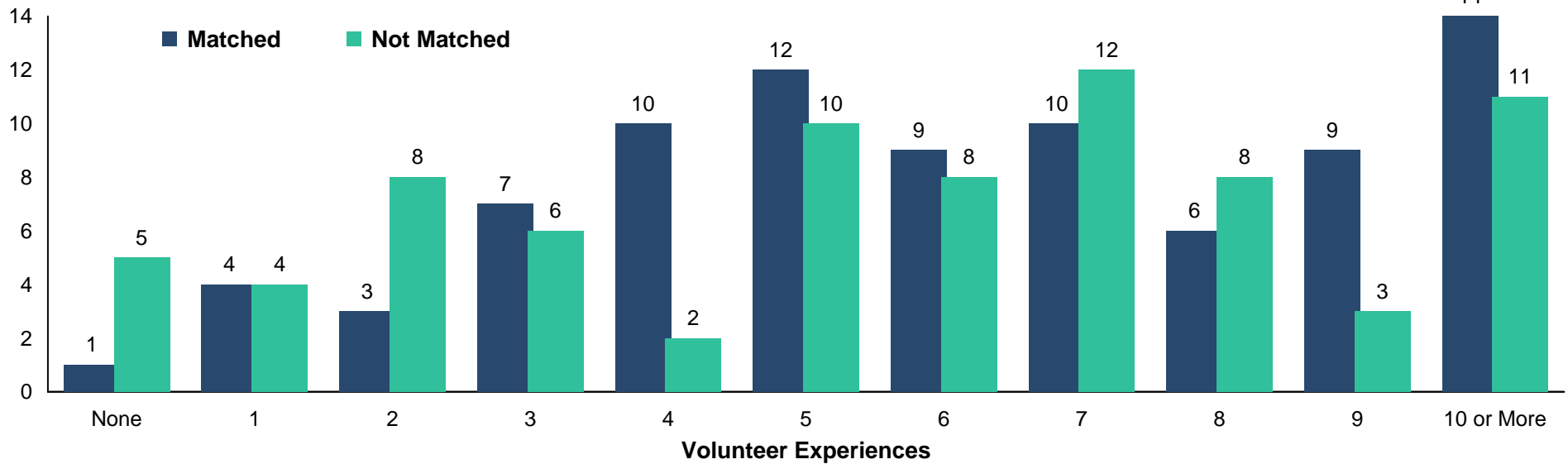


Source: NRMP Data Warehouse and AAMC Data Warehouse

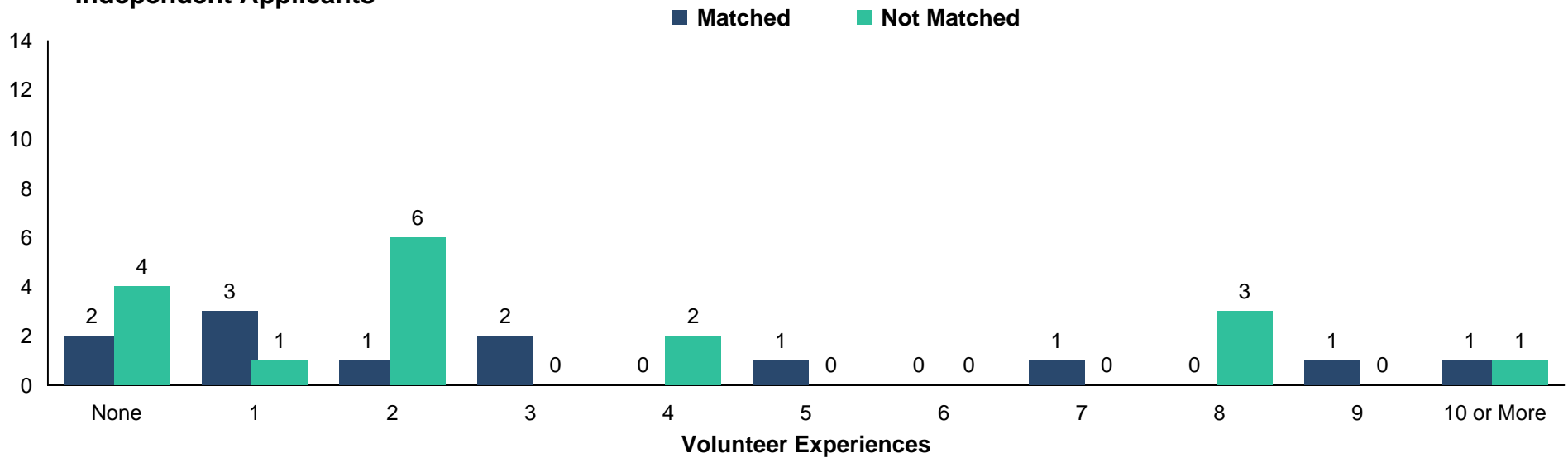


**Number of Volunteer Experiences**  
*Plastic Surgery*

**U.S. Seniors**



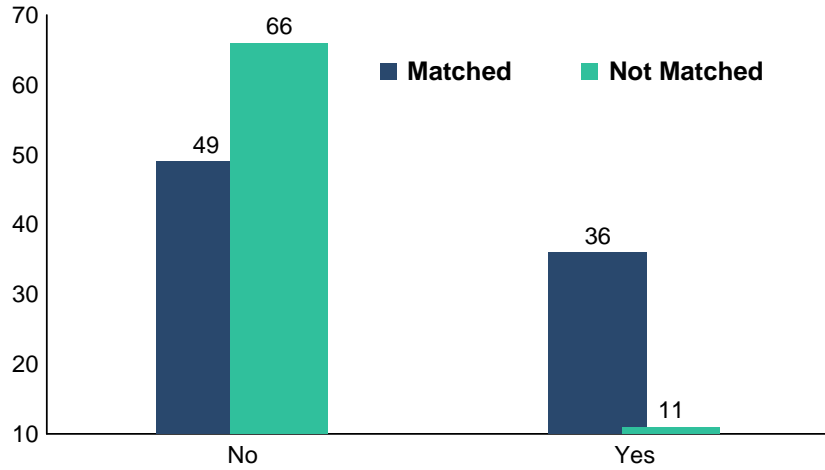
**Independent Applicants**



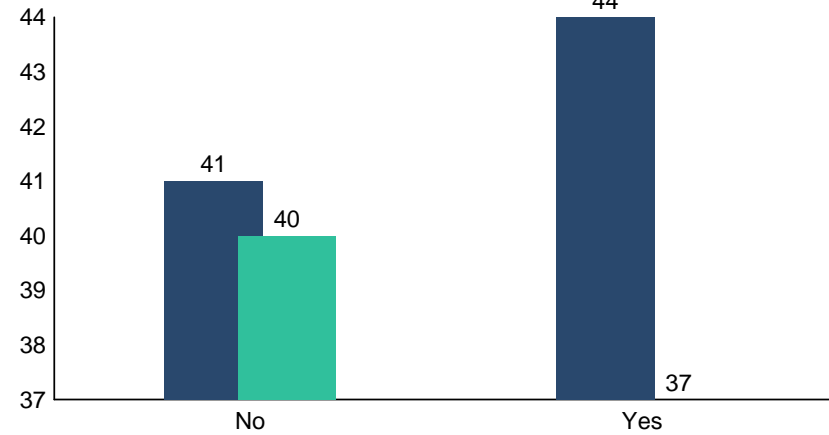
Source: NRMP Data Warehouse and AAMC Data Warehouse.

**Other Characteristics of U.S. Seniors**  
*Plastic Surgery*

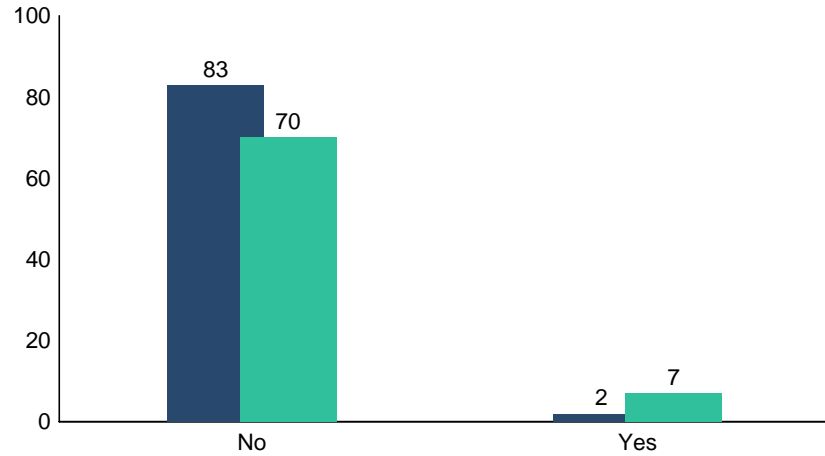
**AOA Membership**



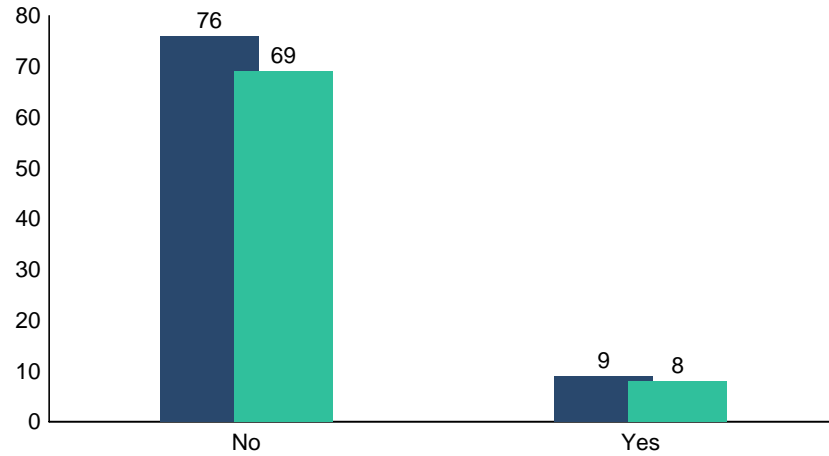
**Graduate of One of the 40 U.S. Medical Schools with the Highest NIH Funding**



**Ph.D. Degree**



**Other Graduate Degree**



Sources: AOA membership from the AAMC Data Warehouse, NIH awards from <http://report.nih.gov/award/trends/AggregateData.cfm> Medical Schools Only.xls, Ph.D. and other graduate degrees from the AAMC Data Warehouse

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**P** **Psychiatry**

**Table P-1** **Summary Statistics**  
*Psychiatry*

Measure	U.S. Seniors		Independent Applicants	
	Matched (n=643)	Unmatched (n=38)	Matched (n=371)	Unmatched (n=511)
1. Mean number of contiguous ranks	7.3	4.2	5.8	2.8
2. Mean number of distinct specialties ranked	1.1	1.2	1.2	1.4
3. Mean USMLE Step 1 score	216	205	207	198
4. Mean USMLE Step 2 score	221	199	209	199
5. Mean number of research experiences	1.8	1.8	1.4	1.2
6. Mean number of abstracts, presentations, and publications	2.4	1.3	2.4	2.3
7. Mean number of work experiences	2.8	2.4	3.5	4.2
8. Mean number of volunteer experiences	5.9	4.3	3.5	2.4
9. Percentage who are AOA members	4.2	2.6	n/a	n/a
10. Percentage who graduated from one of the 40 U.S. medical schools with the highest NIH funding	36.1	7.9	n/a	n/a
11. Percentage who have Ph.D. degree	4.5	0.0	n/a	n/a
12. Percentage who have another graduate degree	11.8	21.1	n/a	n/a

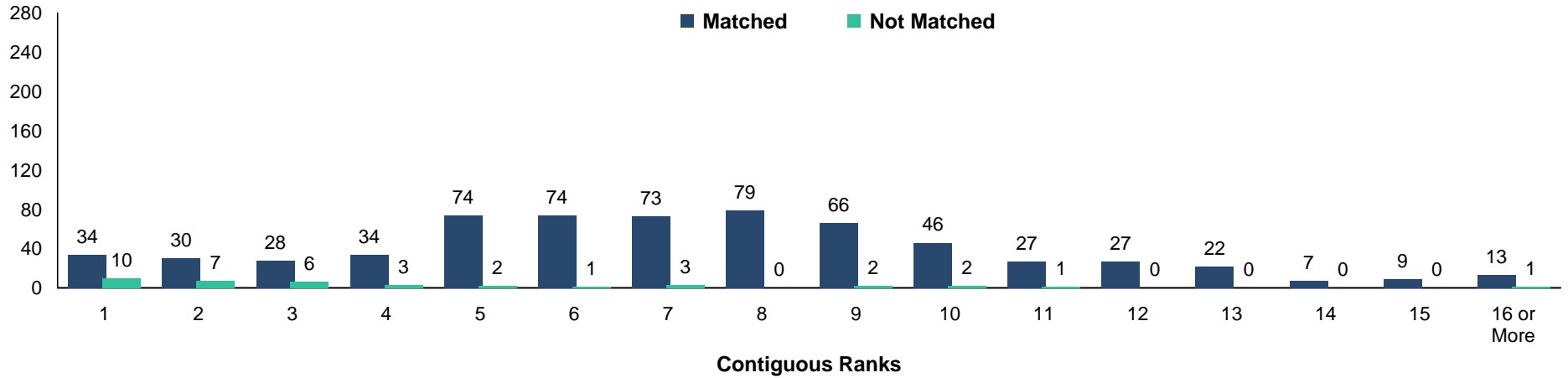
n/a: The measure either does not apply to, applies to only a small percentage of, or no reliable data were available for independent applicants.

Sources. Measures 1, 2, and match outcome are from the NRMP Data Warehouse; measures 3 and 4 are from the AAMC Data Warehouse and from the ECFMG, both by permission of the NBME and ECFMG; measures 5-9 are from the AAMC Data Warehouse; measure 10 is from the NIH website (<http://report.nih.gov/award/trends/AggregateDate.cfm> Medical Schools Only.xls); and measures 11 and 12 are from the AAMC Data Warehouse.

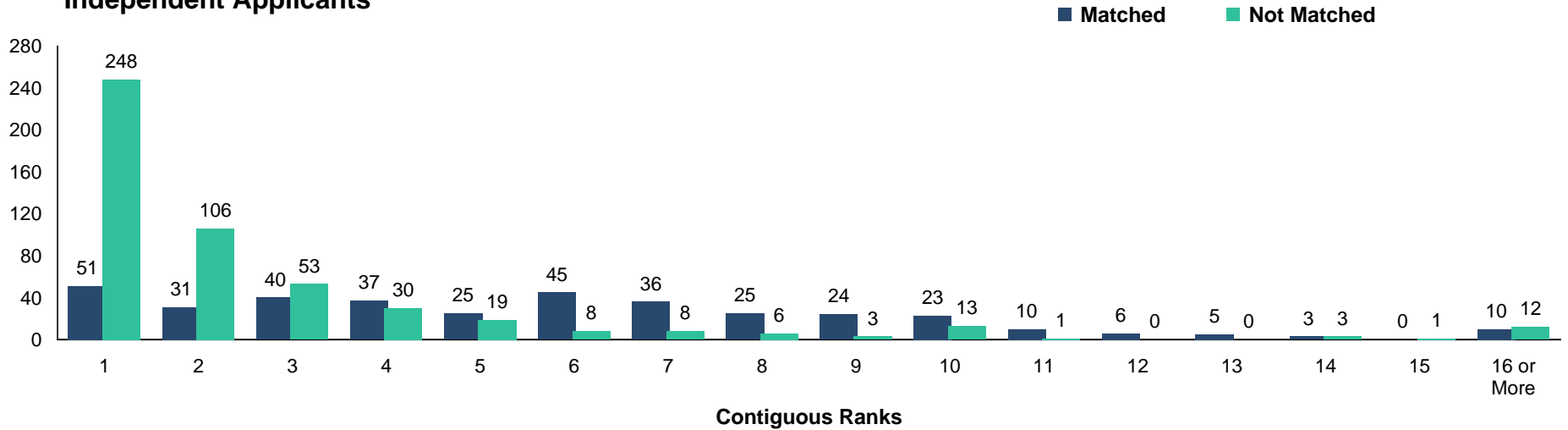
Note: USMLE Step 1 scores are not available for most osteopathic medical school graduates included in the independent applicant group. Approximately 30 percent of U.S. allopathic medical school seniors do not take the USMLE Step 2 prior to the Match.

**Number of Contiguous Ranks Within Preferred Specialty  
Psychiatry**

**U.S. Seniors**



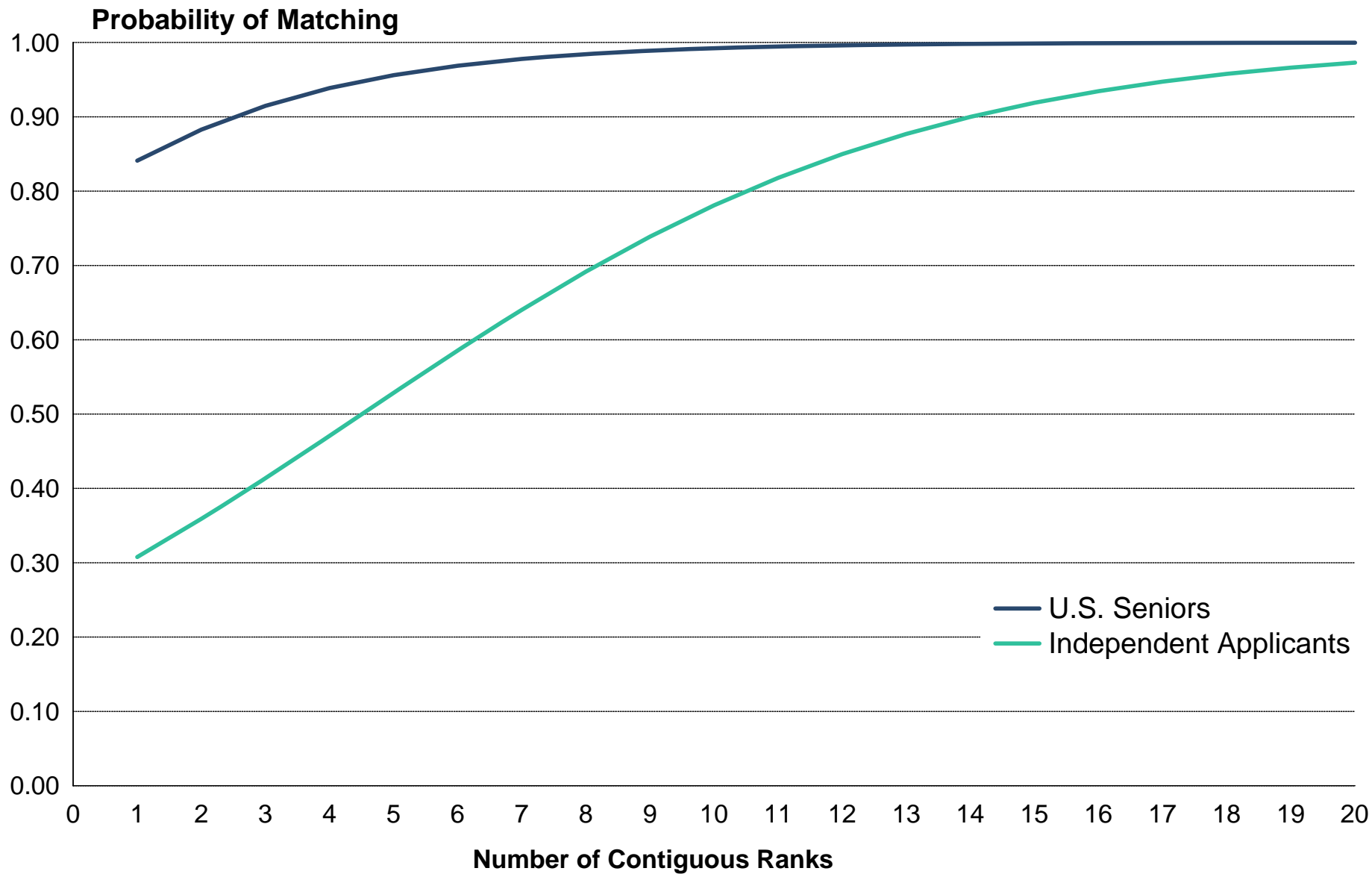
**Independent Applicants**



Source: NRMP Data Warehouse

# Probability of Matching to Preferred Specialty by Number of Contiguous Ranks

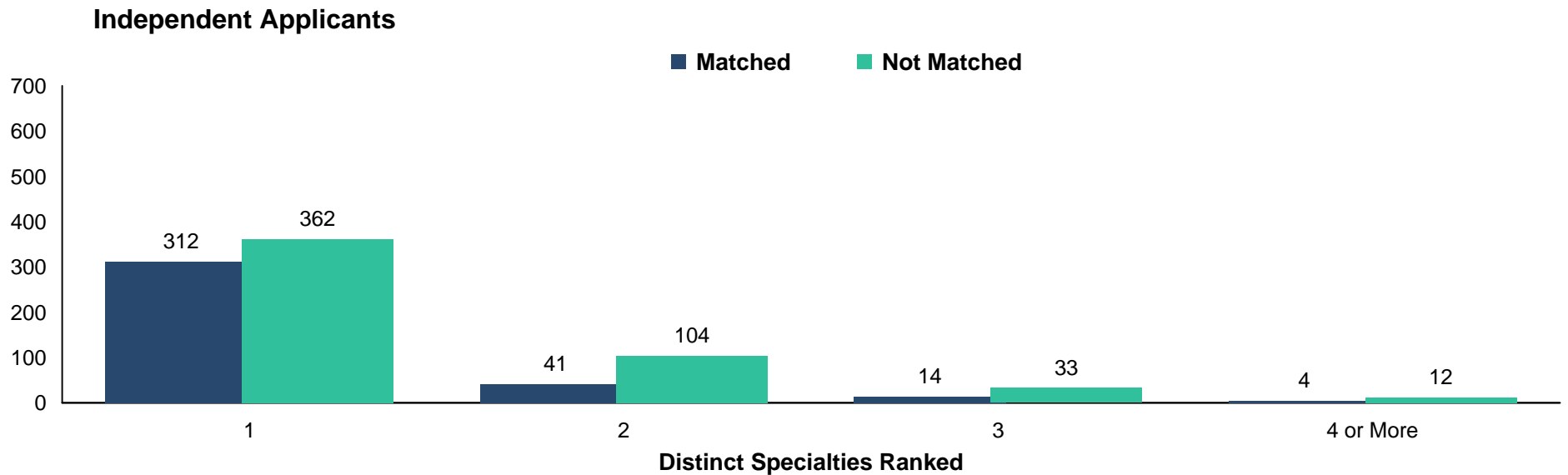
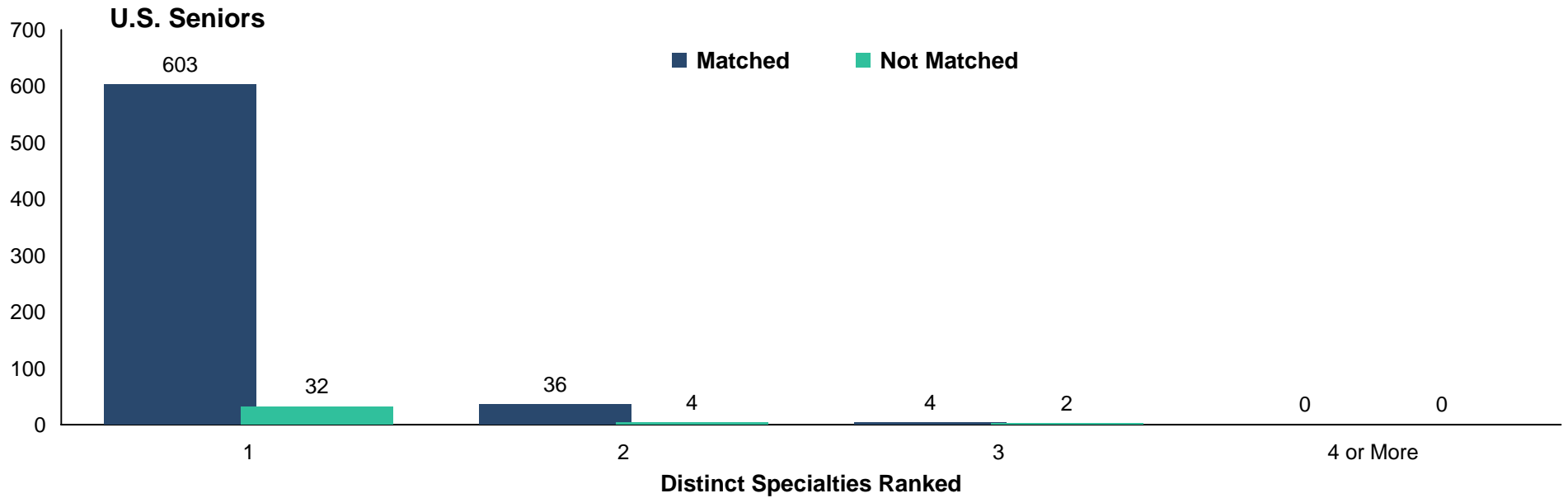
## Psychiatry



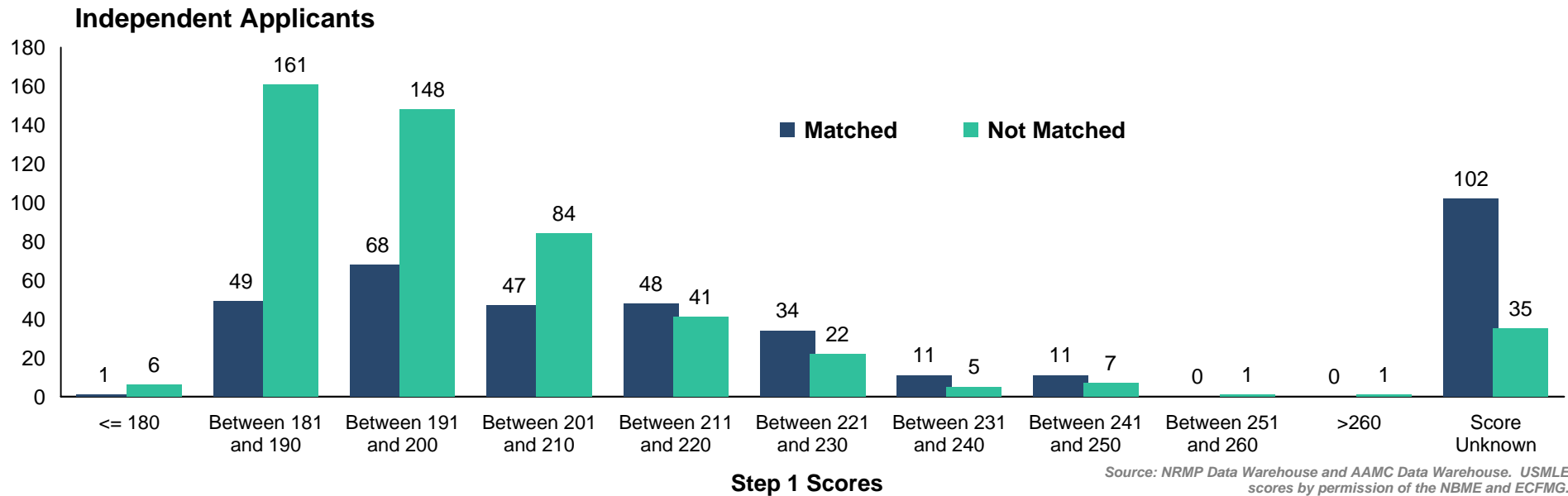
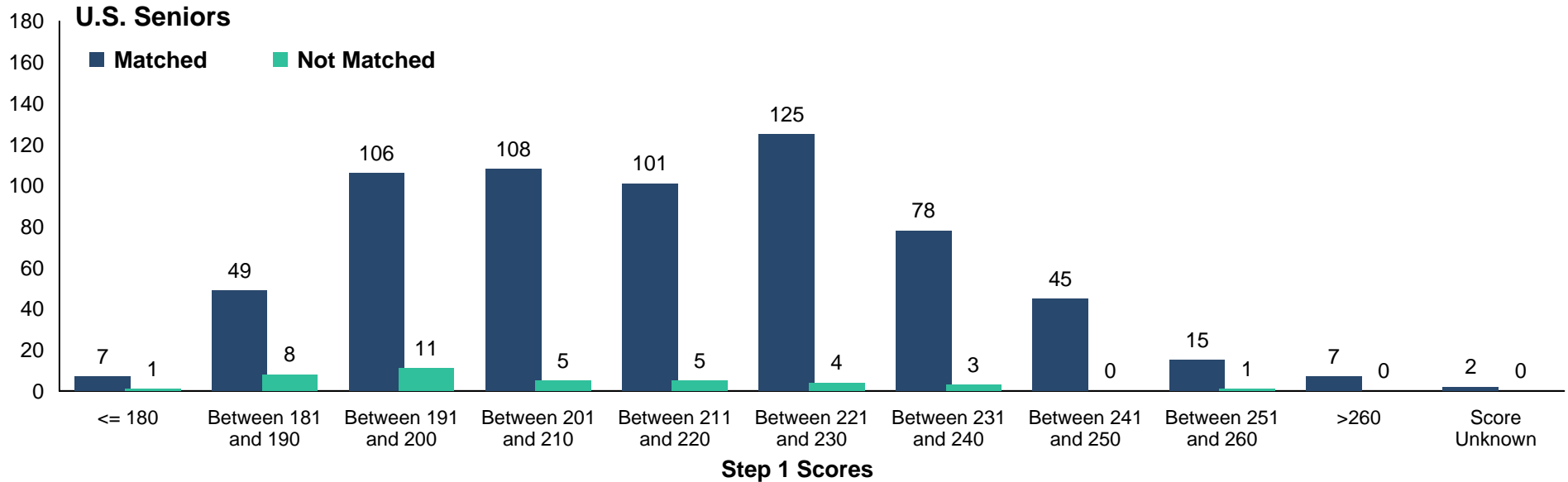
Source: NRMP Data Warehouse. Note: Probabilities calculated based on 2007-2009 applicants.

**Chart  
P-2**

**Number of Distinct Specialties Ranked  
Psychiatry**



Source: NRMP Data Warehouse

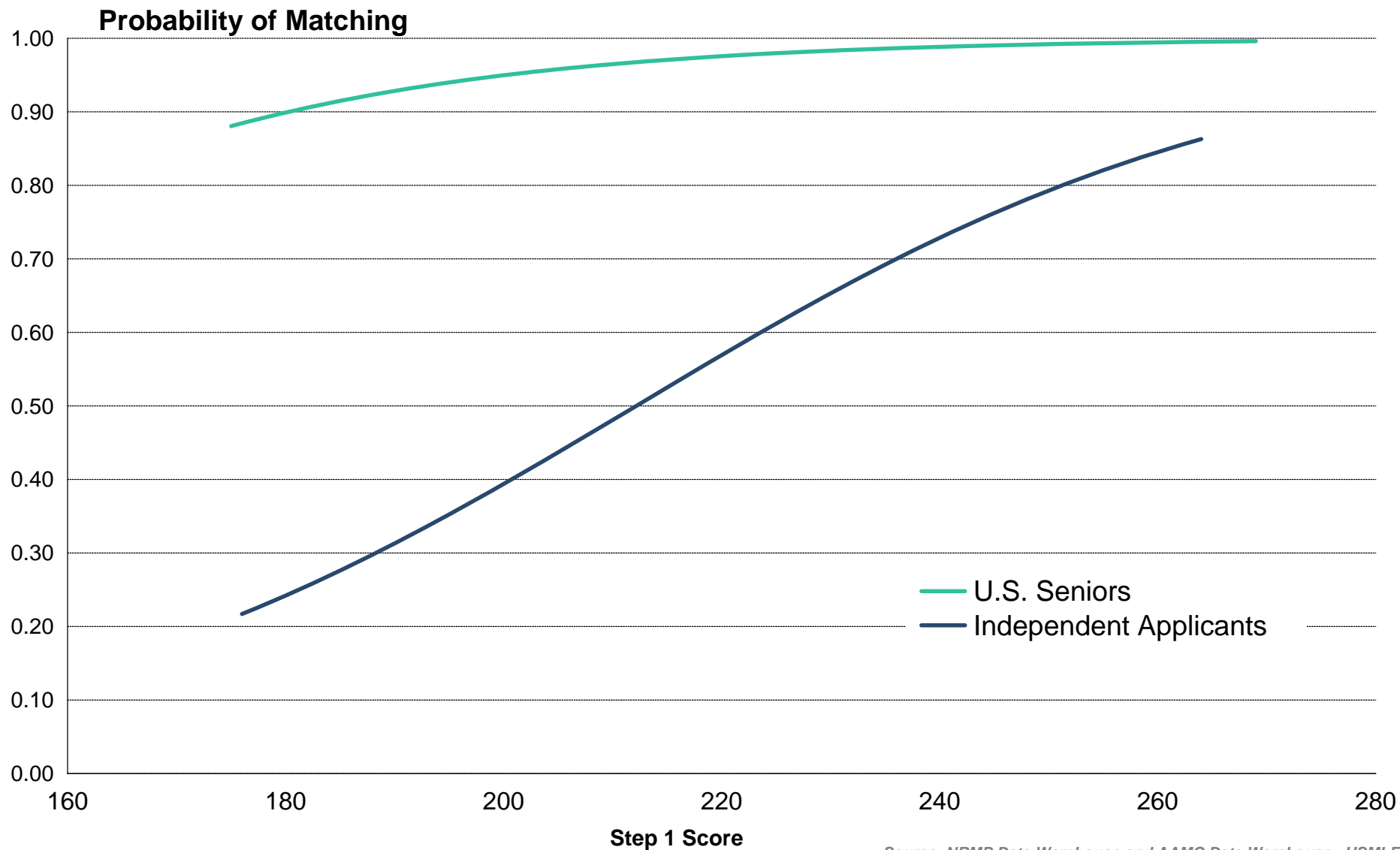


Source: NRMP Data Warehouse and AAMC Data Warehouse. USMLE scores by permission of the NBME and ECFMG.



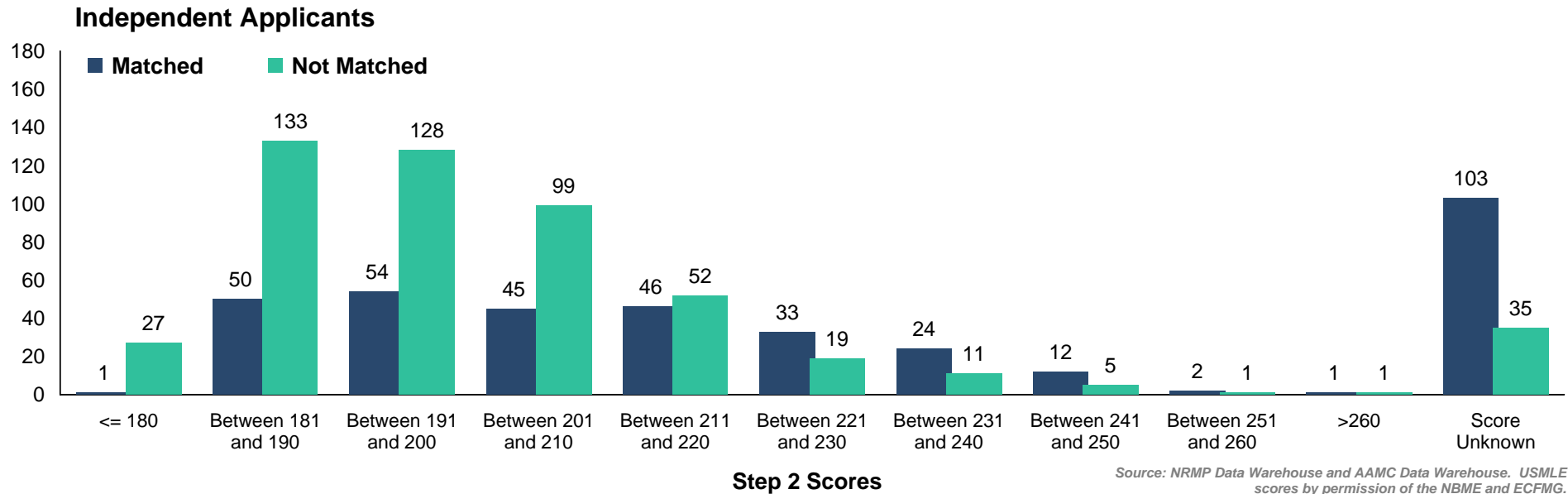
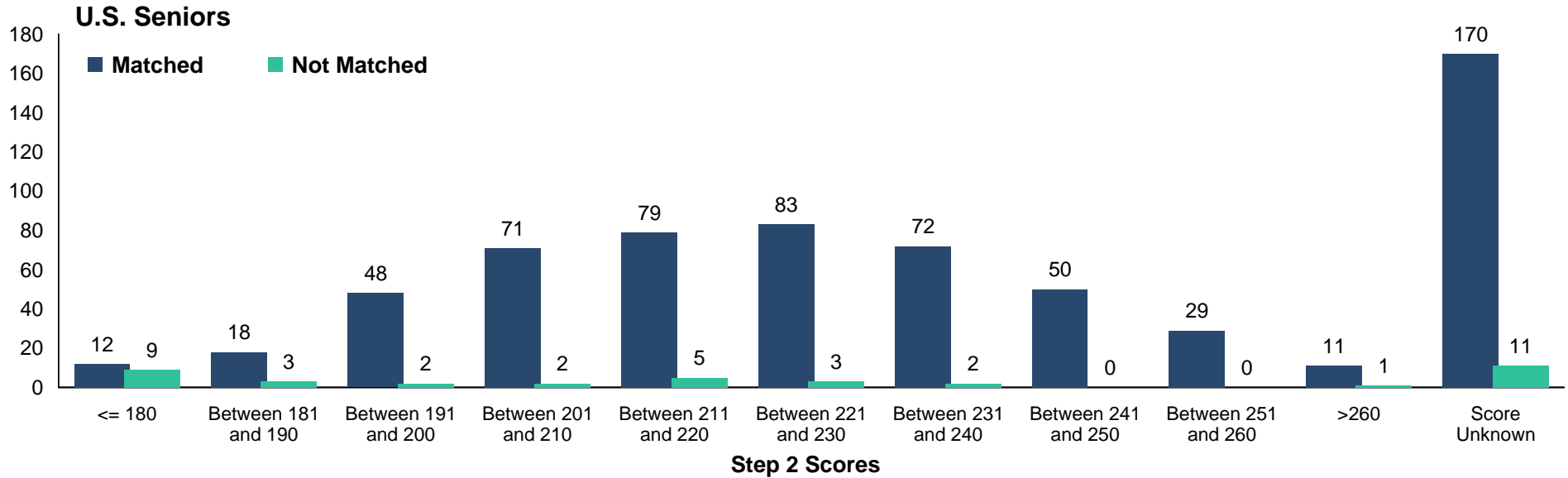
# Probability of Matching to Preferred Specialty by USMLE Step 1 Score

## Psychiatry



Source: NRMP Data Warehouse and AAMC Data Warehouse. USMLE scores by permission of the NBME and ECFMG. Note: Probabilities calculated based on 2007-2009 applicants.

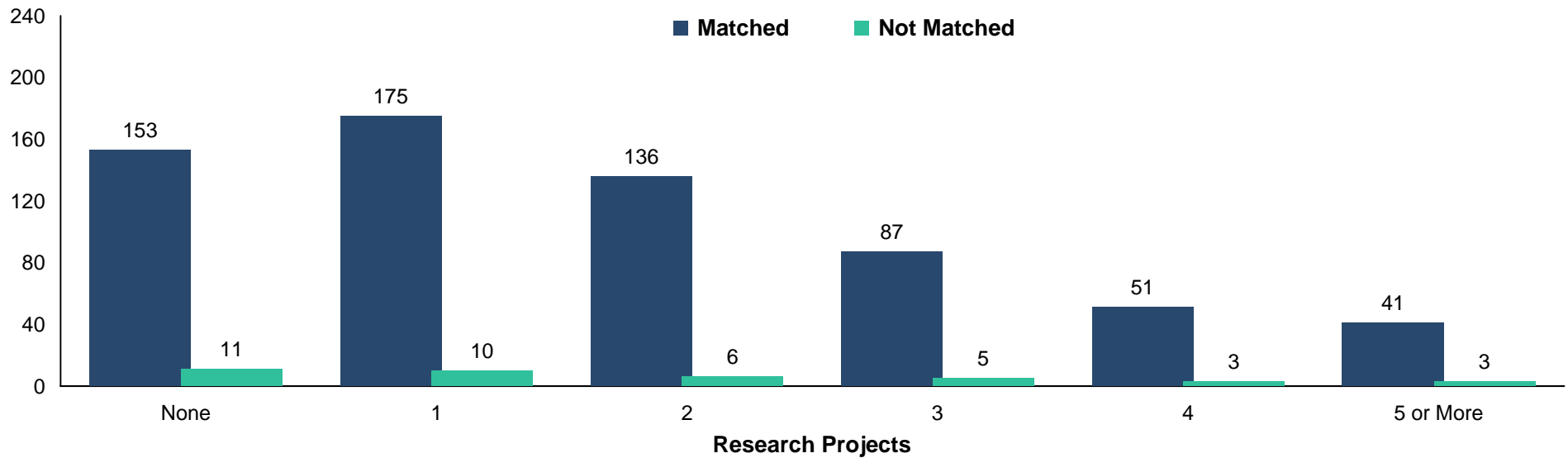
# USMLE Step 2 Scores Psychiatry



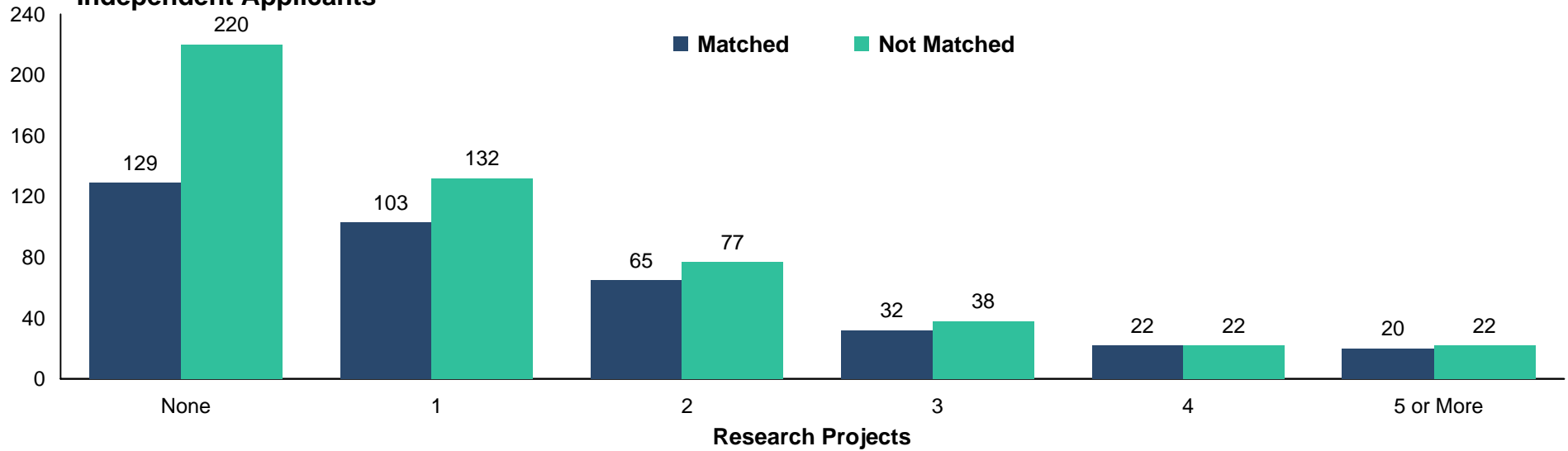
Source: NRMP Data Warehouse and AAMC Data Warehouse. USMLE scores by permission of the NBME and ECFMG.

**Number of Research Projects  
Psychiatry**

**U.S. Seniors**

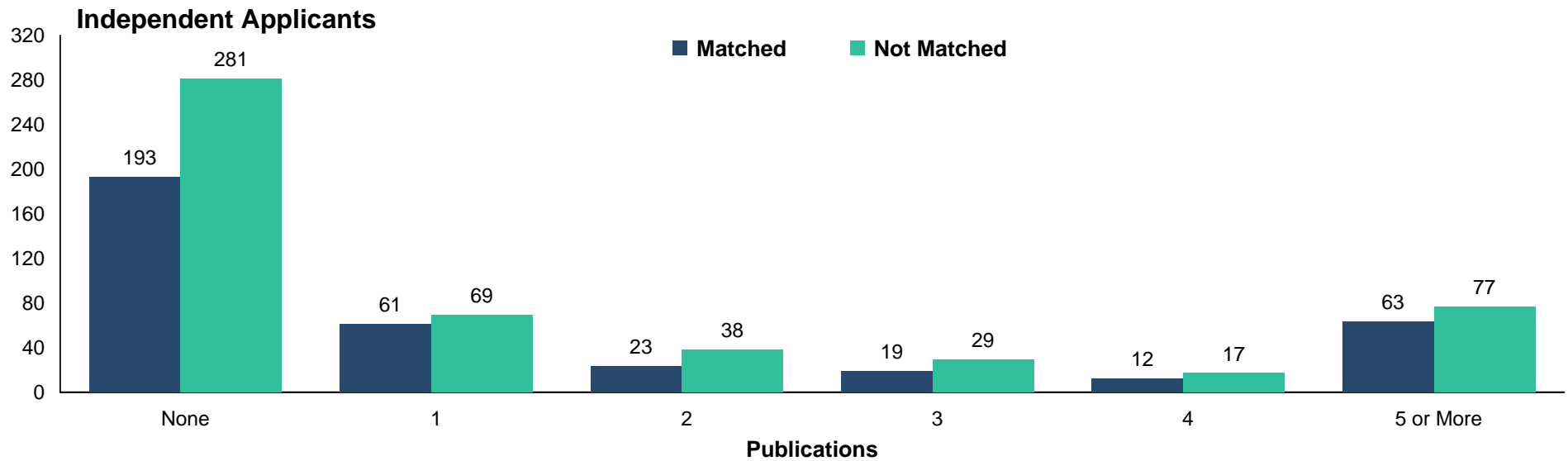
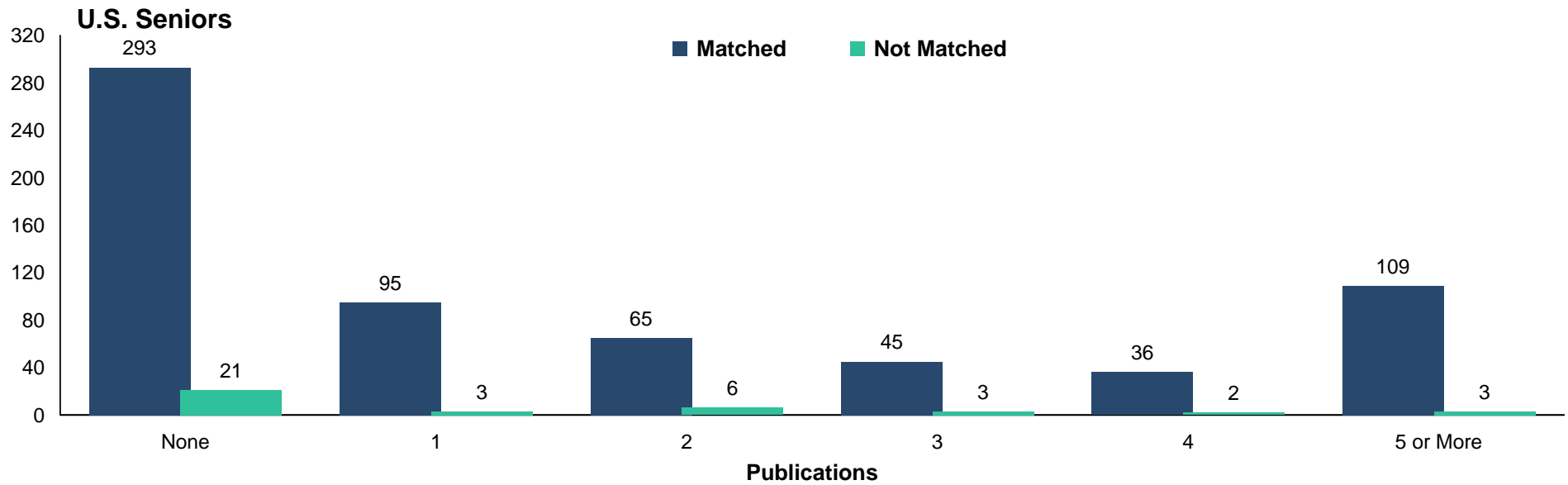


**Independent Applicants**



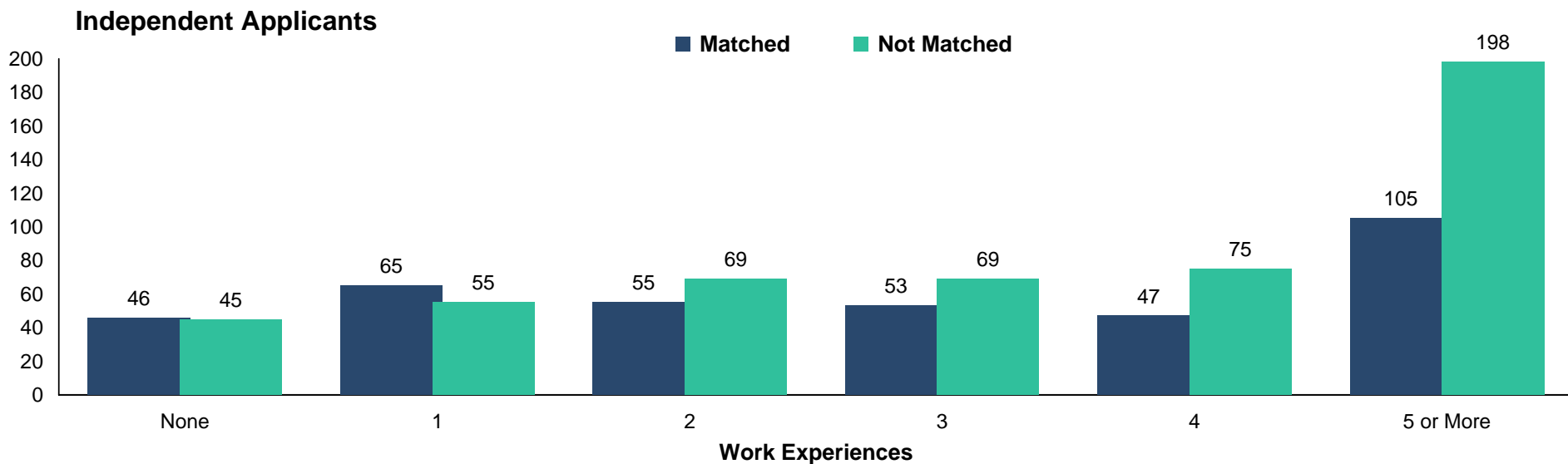
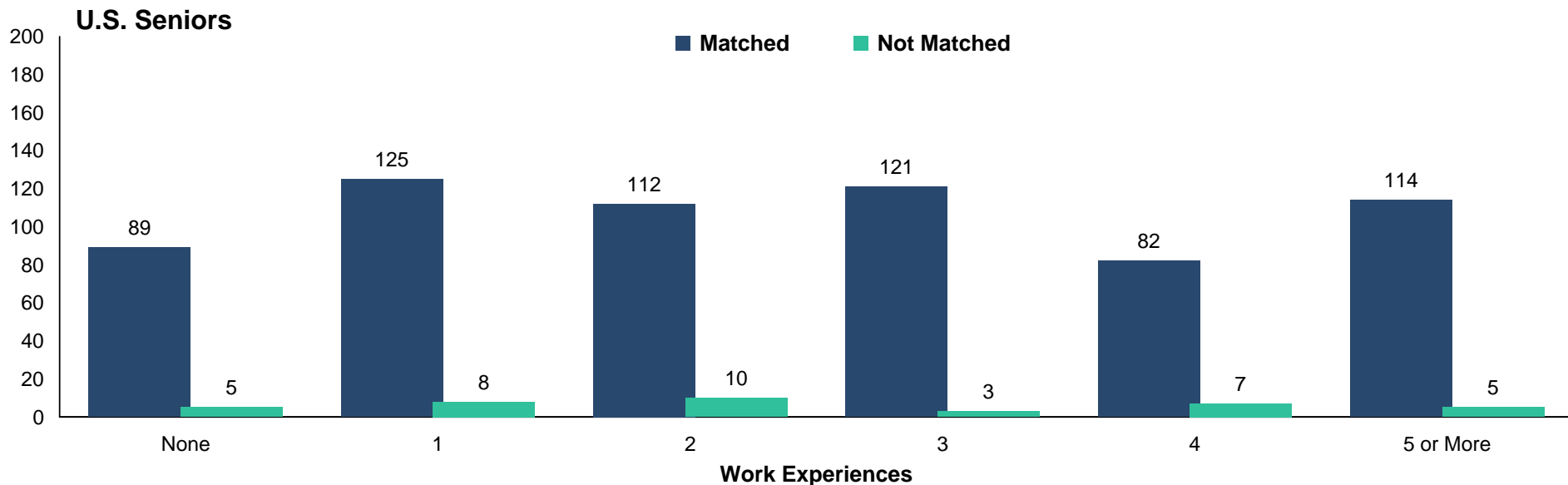
Source: NRMP Data Warehouse and AAMC Data Warehouse

**Number of Abstracts, Presentations, and Publications  
Psychiatry**



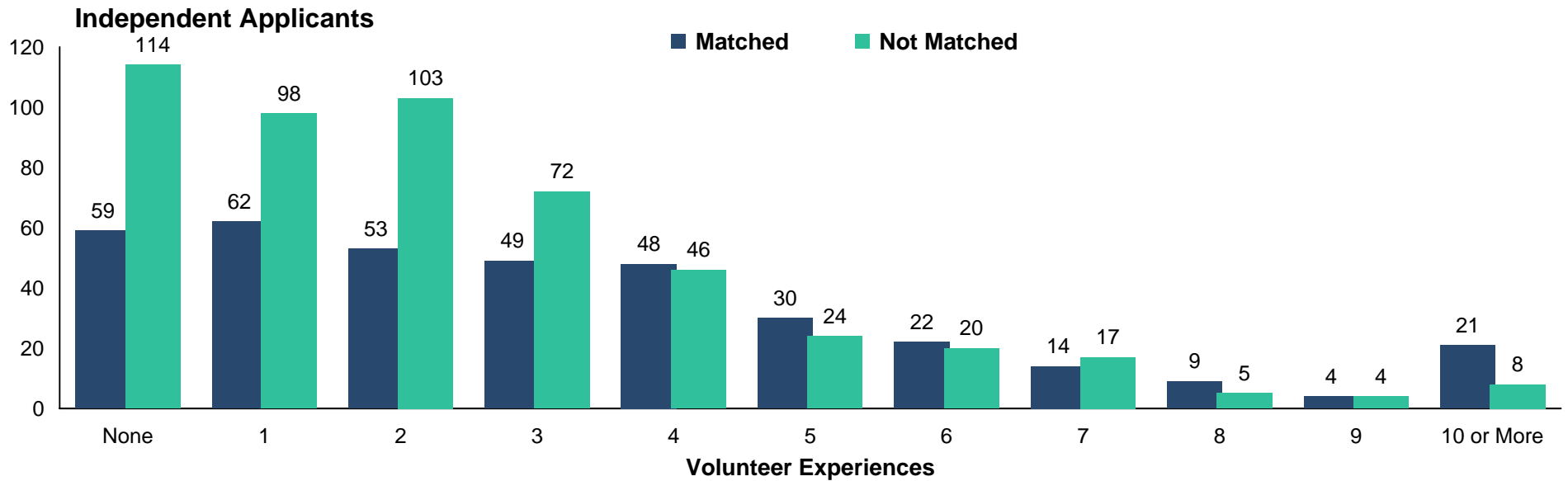
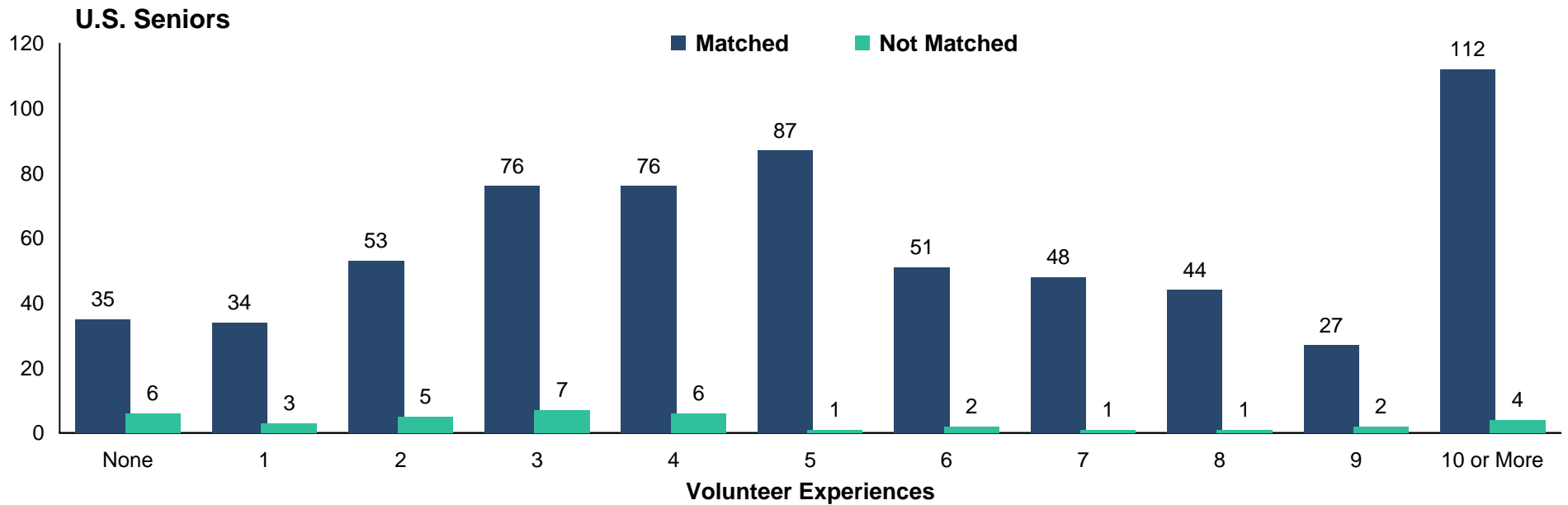
Source: NRMP Data Warehouse and AAMC Data Warehouse

**Number of Work Experiences  
Psychiatry**



Source: NRMP Data Warehouse and AAMC Data Warehouse

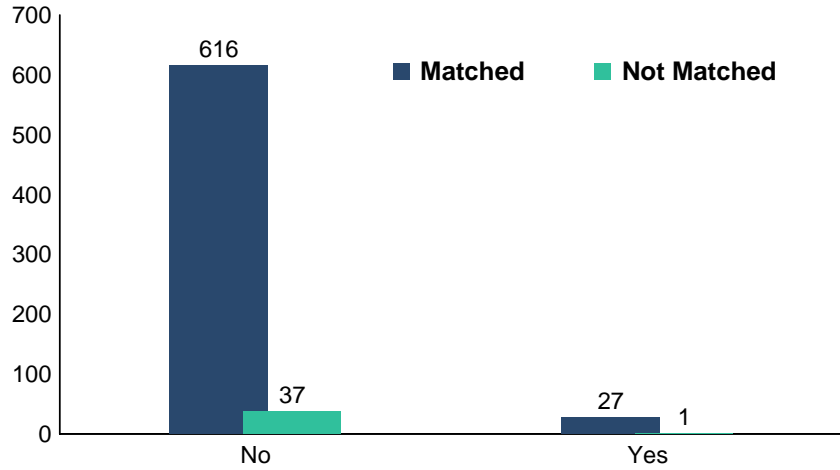
**Number of Volunteer Experiences  
Psychiatry**



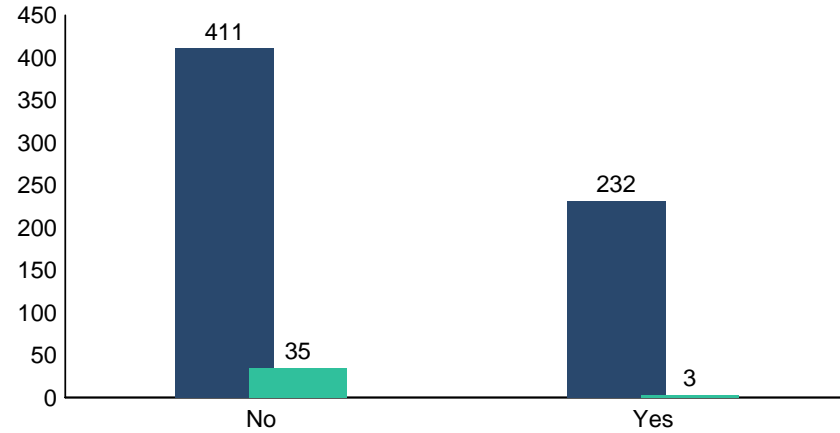
Source: NRMP Data Warehouse and AAMC Data Warehouse.

**Other Characteristics of U.S. Seniors  
Psychiatry**

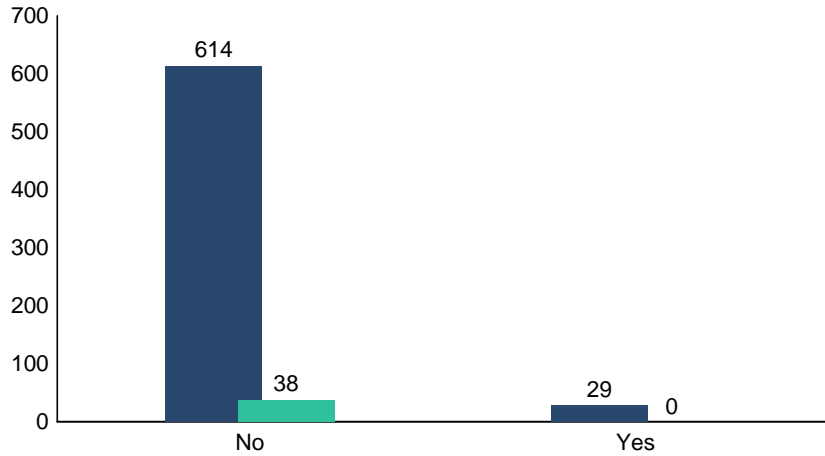
**AOA Membership**



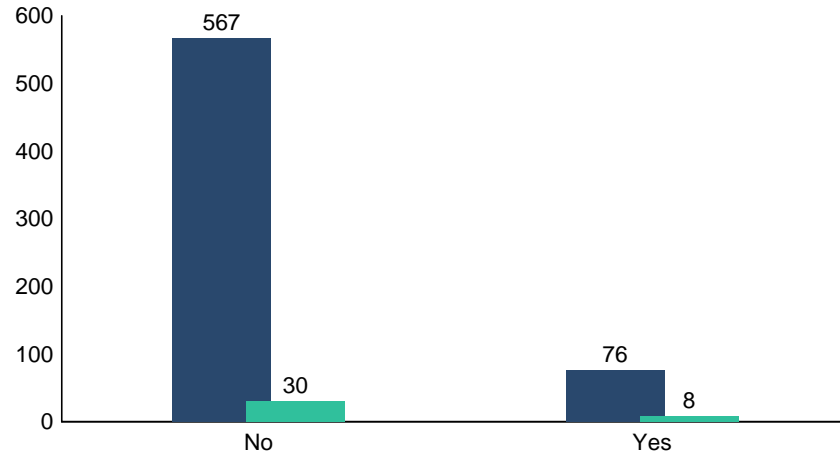
**Graduate of One of the 40 U.S. Medical Schools with the Highest NIH Funding**



**Ph.D. Degree**



**Other Graduate Degree**



Sources. AOA membership from the AAMC Data Warehouse, NIH awards from <http://report.nih.gov/award/trends/AggregateData.cfm> Medical Schools Only.xls, Ph.D. and other graduate degrees from the AAMC Data Warehouse

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**RO** Radiation Oncology



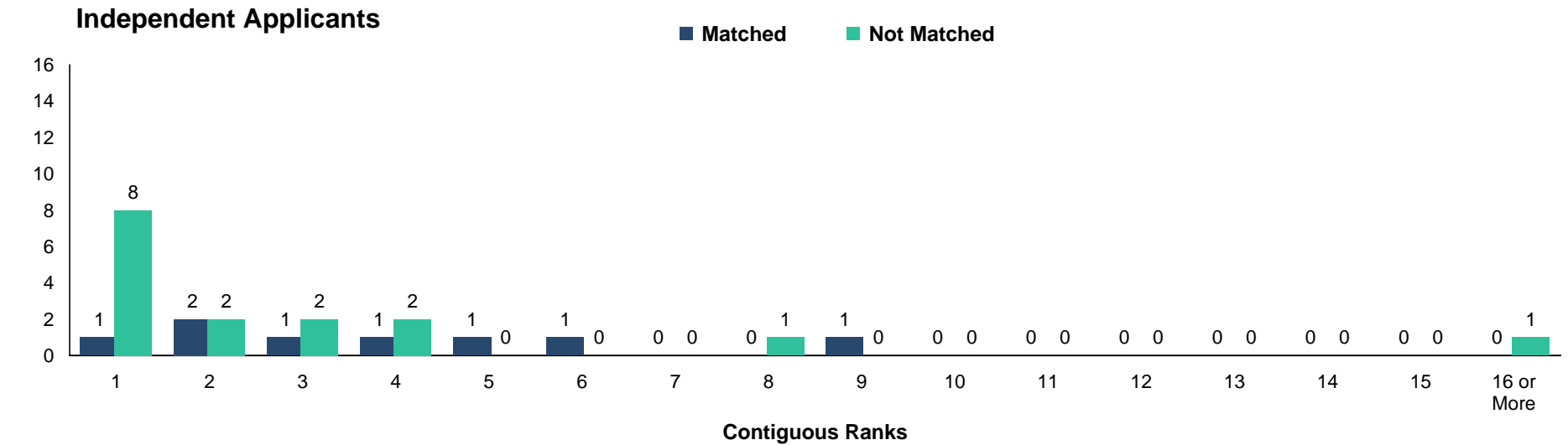
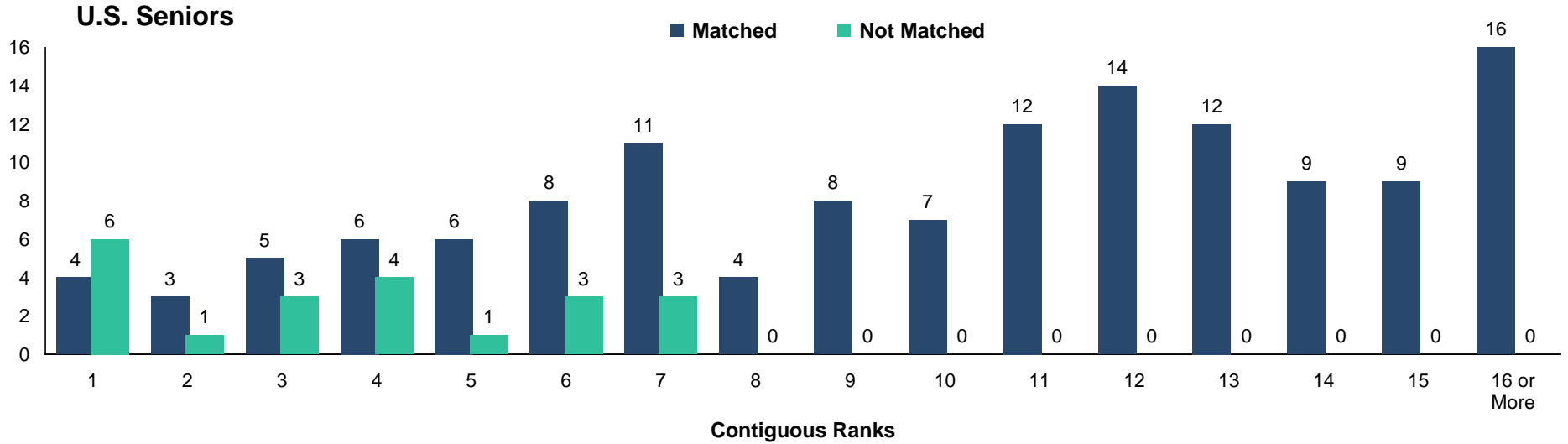
Measure	U.S. Seniors		Independent Applicants	
	Matched (n=134)	Unmatched (n=21)	Matched (n=8)	Unmatched (n=16)
1. Mean number of contiguous ranks	10.3	3.7	4.0	3.4
2. Mean number of distinct specialties ranked	1.6	1.8	1.6	1.6
3. Mean USMLE Step 1 score	238	228	238	224
4. Mean USMLE Step 2 score	241	218	240	225
5. Mean number of research experiences	3.8	3.6	1.9	2.8
6. Mean number of abstracts, presentations, and publications	8.0	5.2	8.1	6.3
7. Mean number of work experiences	2.4	1.6	4.0	2.1
8. Mean number of volunteer experiences	5.1	3.3	4.8	2.2
9. Percentage who are AOA members	35.1	9.5	n/a	n/a
10. Percentage who graduated from one of the 40 U.S. medical schools with the highest NIH funding	54.5	38.1	n/a	n/a
11. Percentage who have Ph.D. degree	21.6	19.0	n/a	n/a
12. Percentage who have another graduate degree	9.7	0.0	n/a	n/a

n/a: The measure either does not apply to, applies to only a small percentage of, or no reliable data were available for independent applicants.

Sources. Measures 1, 2, and match outcome are from the NRMP Data Warehouse; measures 3 and 4 are from the AAMC Data Warehouse and from the ECFMG, both by permission of the NBME and ECFMG; measures 5-9 are from the AAMC Data Warehouse; measure 10 is from the NIH website (<http://report.nih.gov/award/trends/AggregateDate.cfm> Medical Schools Only.xls); and measures 11 and 12 are from the AAMC Data Warehouse.

Note: USMLE Step 1 scores are not available for most osteopathic medical school graduates included in the independent applicant group. Approximately 30 percent of U.S. allopathic medical school seniors do not take the USMLE Step 2 prior to the Match.

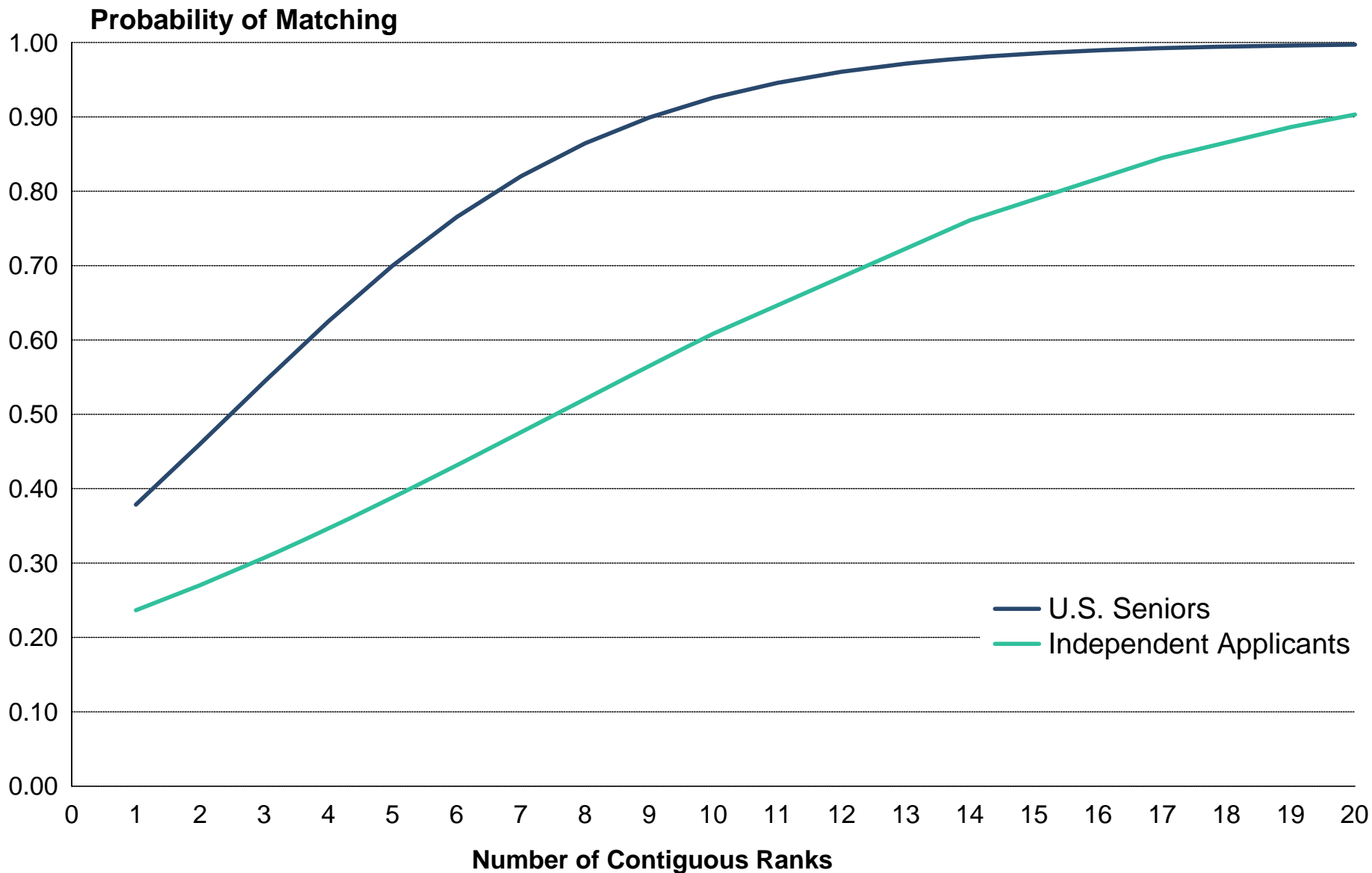
**Number of Contiguous Ranks Within Preferred Specialty  
Radiation Oncology**



Source: NRMP Data Warehouse

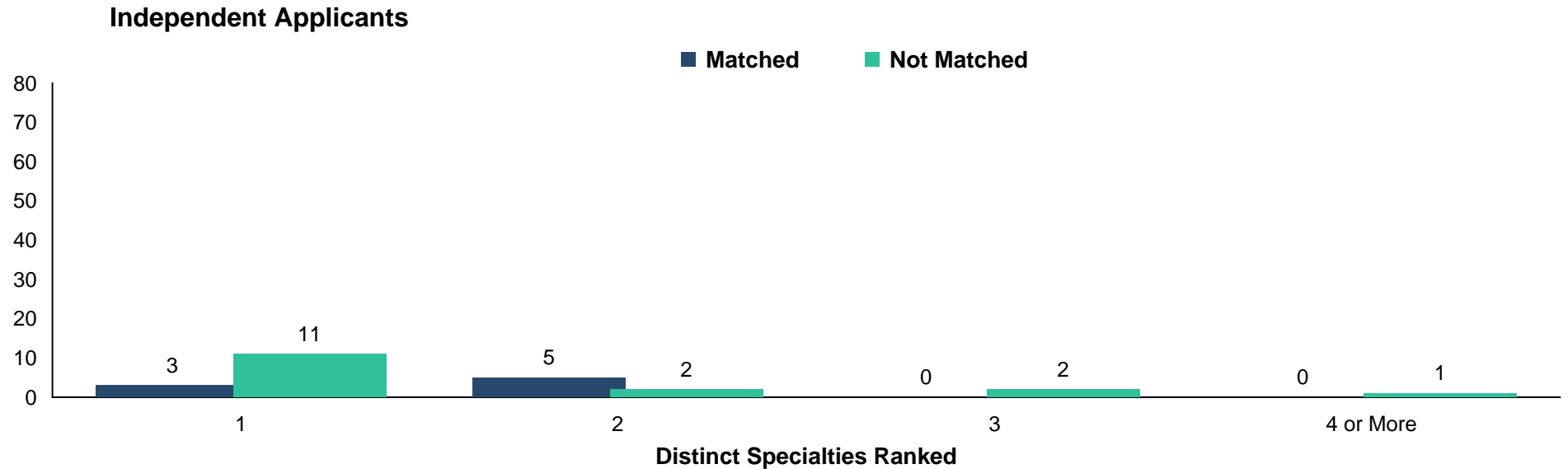
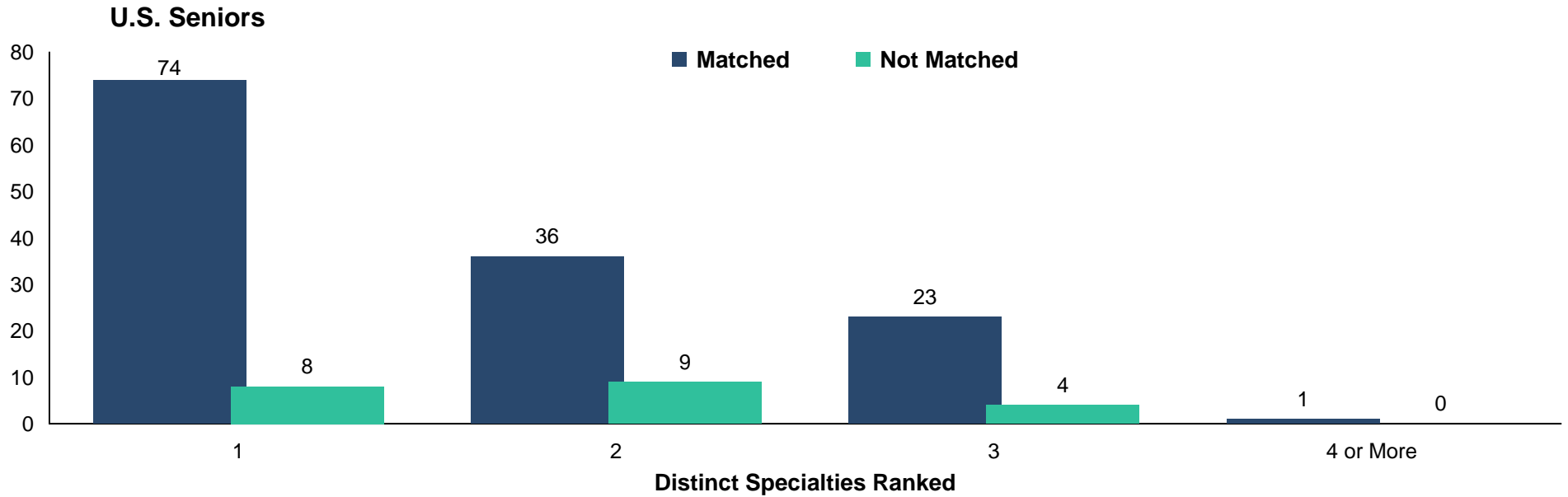
# Probability of Matching to Preferred Specialty by Number of Contiguous Ranks

## Radiation Oncology

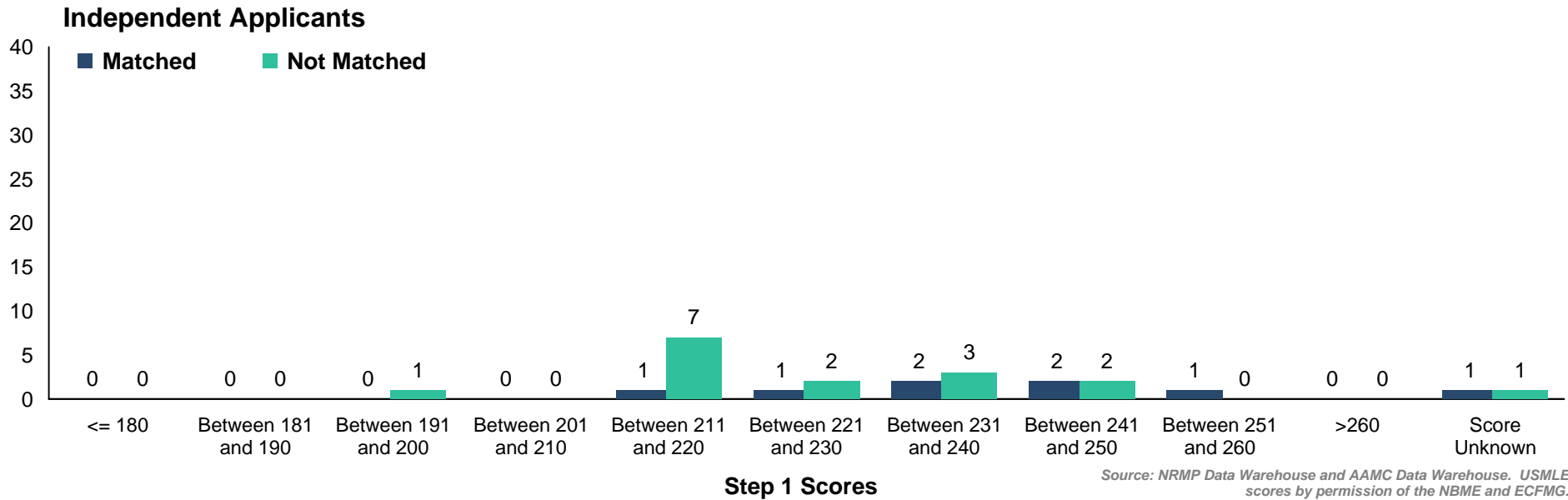
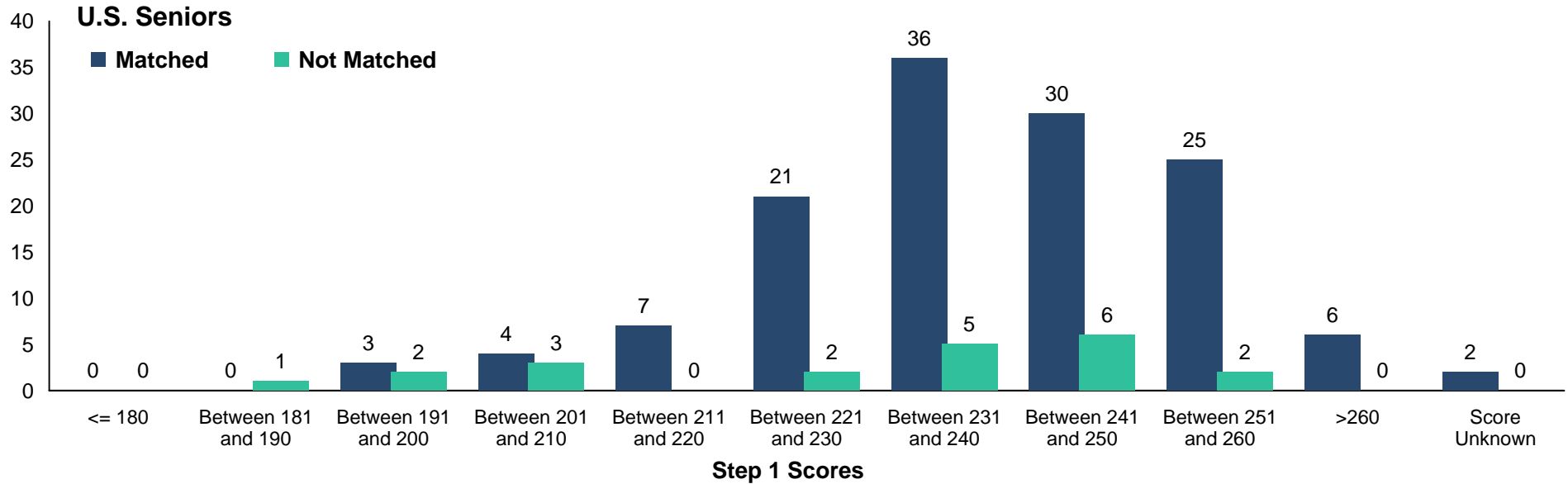


Source: NRMP Data Warehouse. Note: Probabilities calculated based on 2007-2009 applicants.

**Number of Distinct Specialties Ranked**  
*Radiation Oncology*



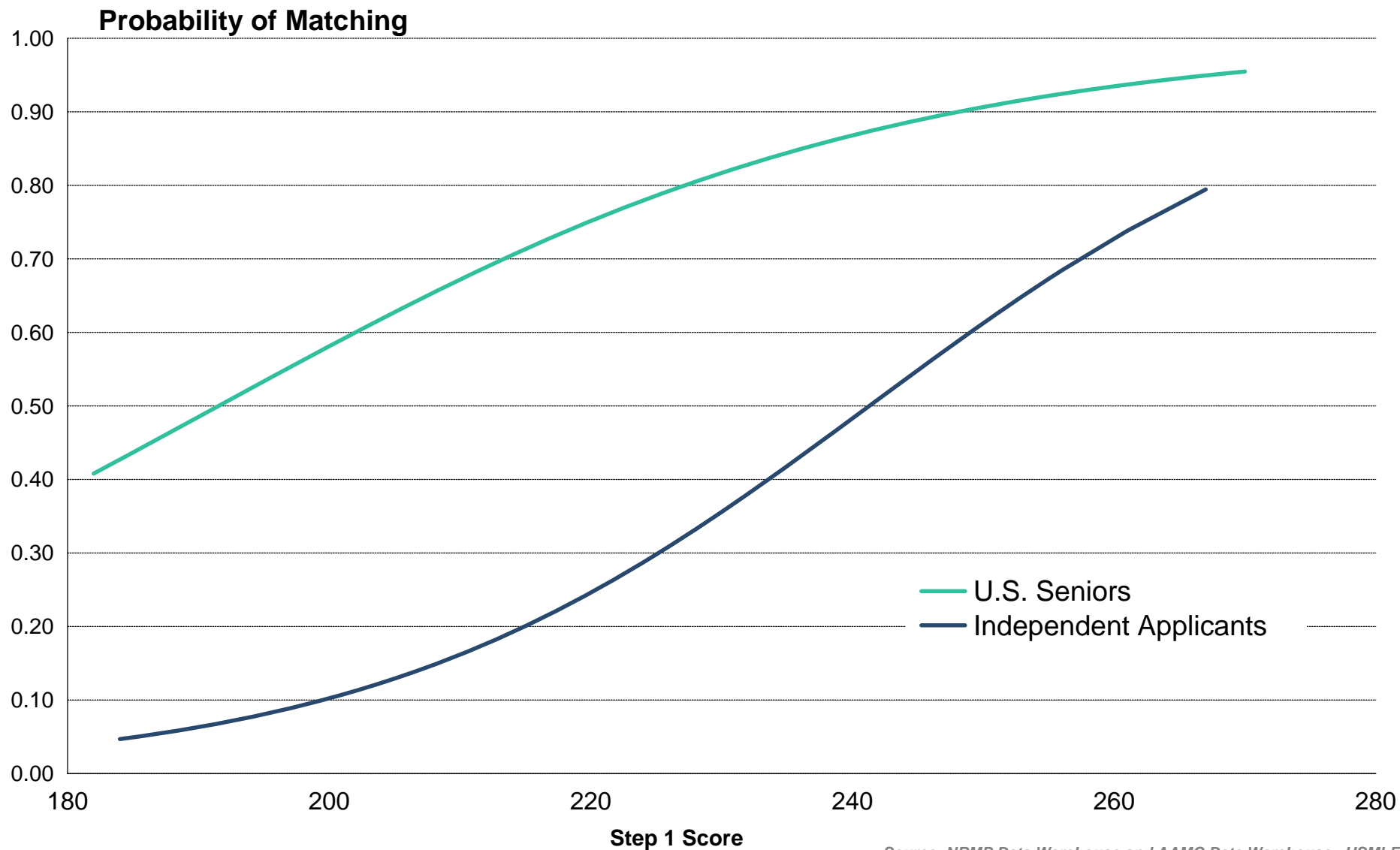
Source: NRMP Data Warehouse



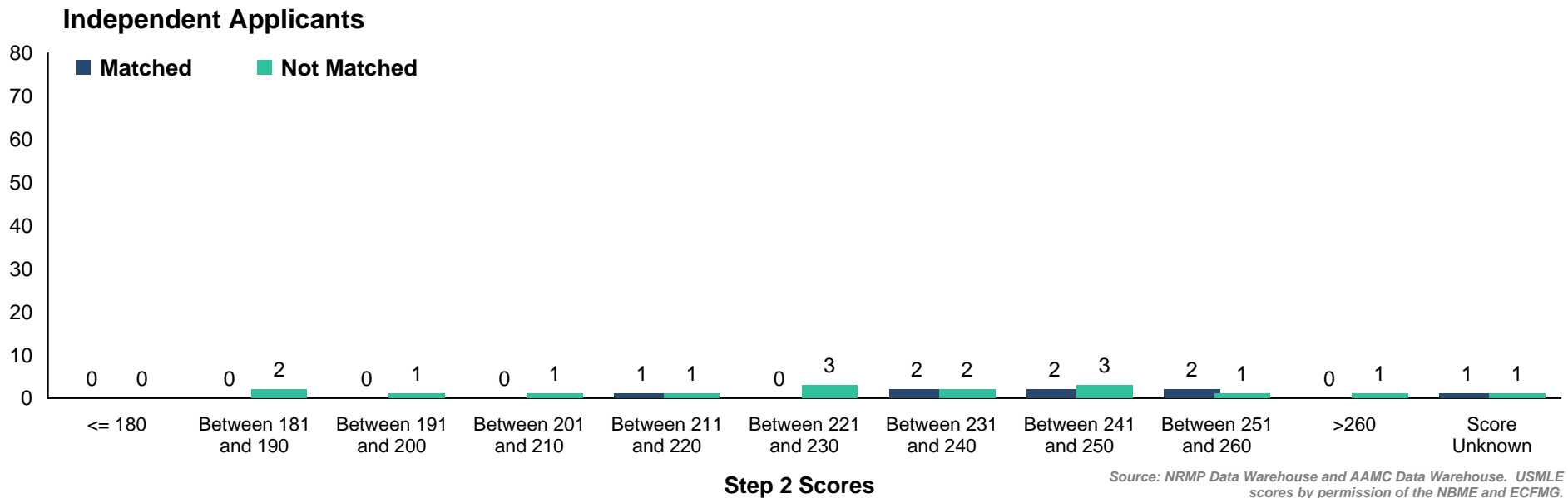
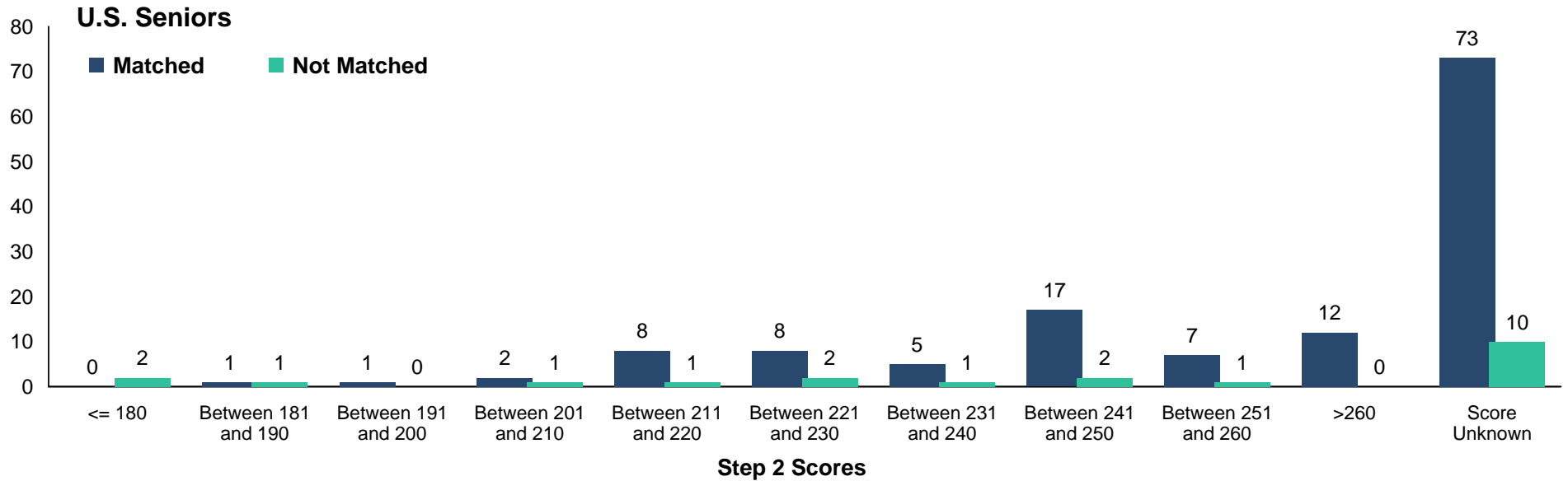
Source: NRMP Data Warehouse and AAMC Data Warehouse. USMLE scores by permission of the NBME and ECFMG.

# Probability of Matching to Preferred Specialty by USMLE Step 1 Score

## Radiation Oncology



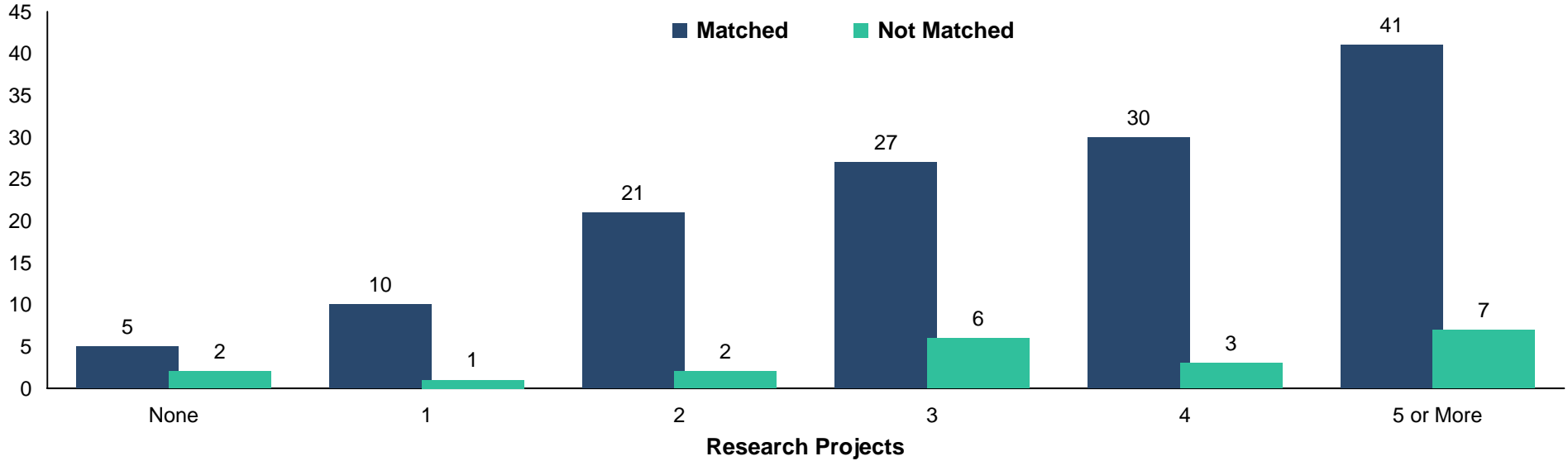
Source: NRMP Data Warehouse and AAMC Data Warehouse. USMLE scores by permission of the NBME and ECFMG. Note: Probabilities calculated based on 2007-2009 applicants.



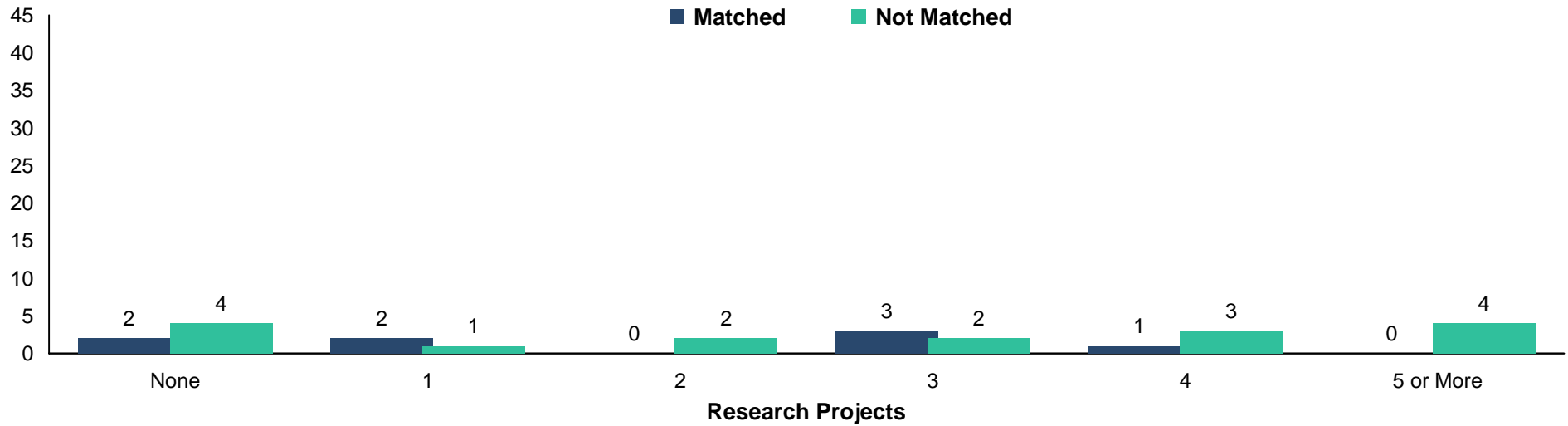
Source: NRMP Data Warehouse and AAMC Data Warehouse. USMLE scores by permission of the NBME and ECFMG.

**Number of Research Projects  
Radiation Oncology**

**U.S. Seniors**



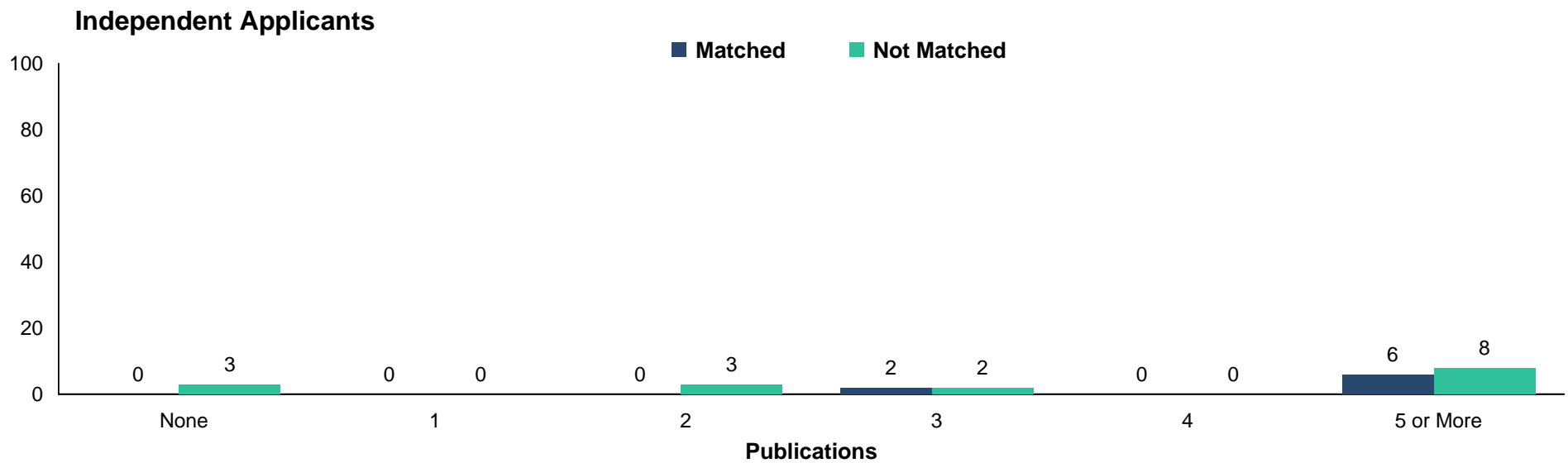
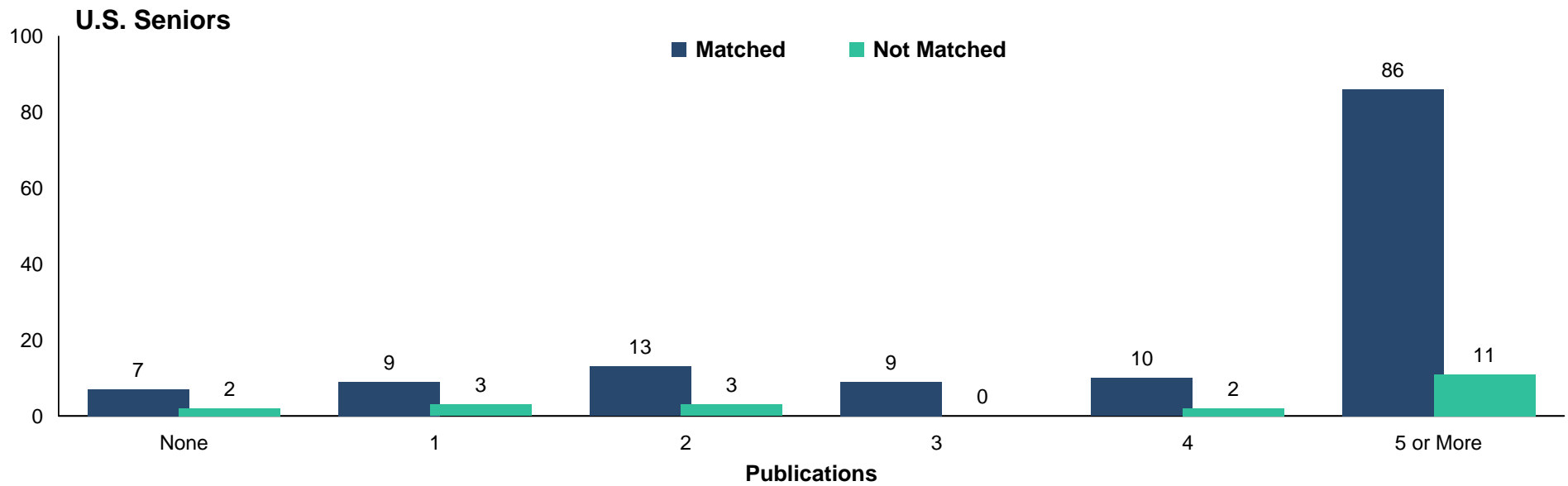
**Independent Applicants**



Source: NRMP Data Warehouse and AAMC Data Warehouse

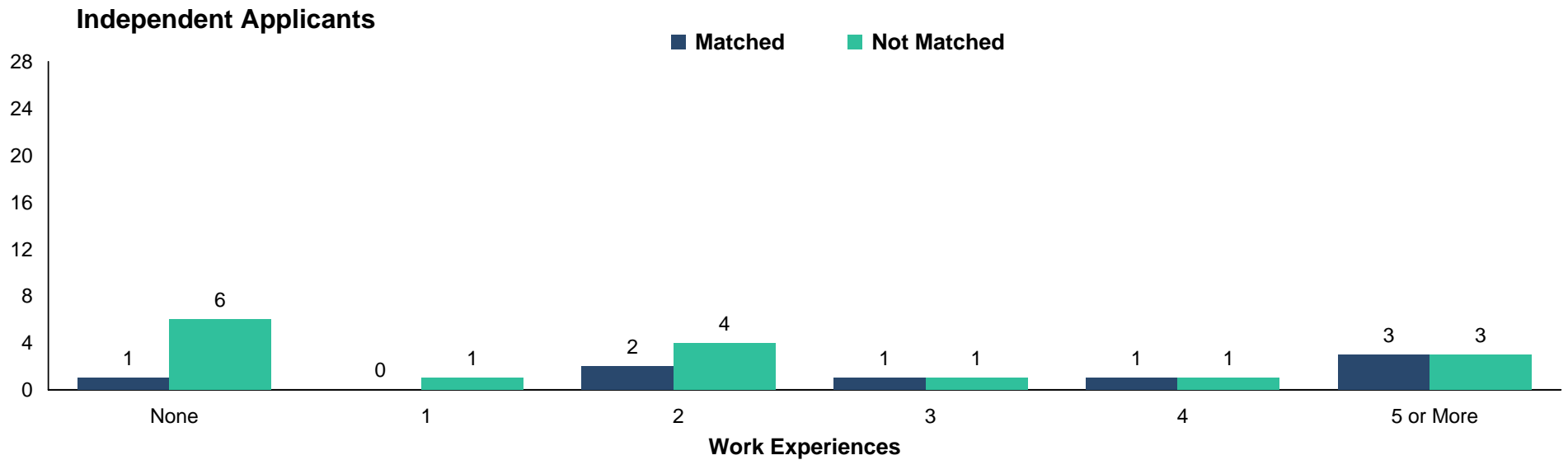
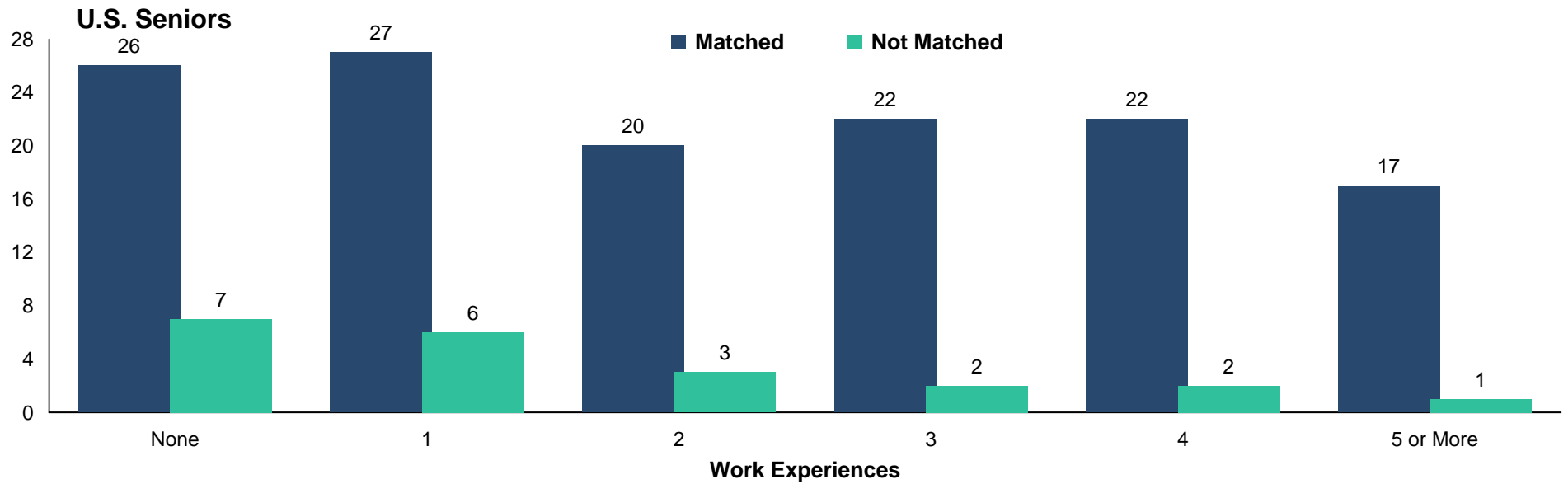


**Number of Abstracts, Presentations, and Publications  
Radiation Oncology**



Source: NRMP Data Warehouse and AAMC Data Warehouse

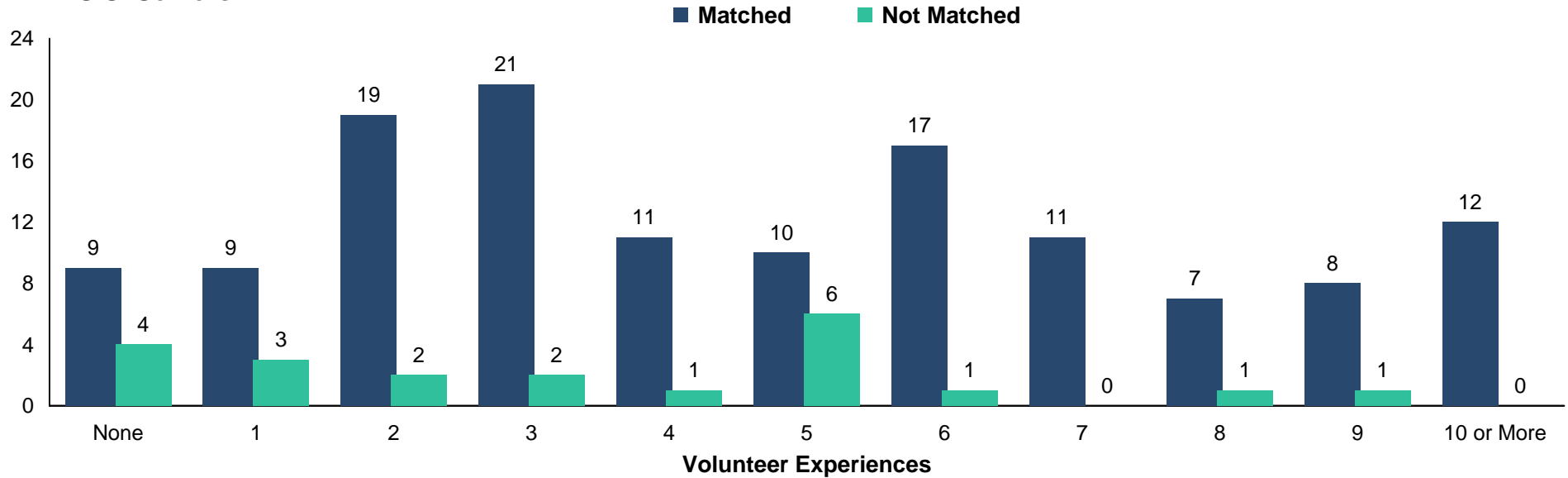
**Number of Work Experiences  
Radiation Oncology**



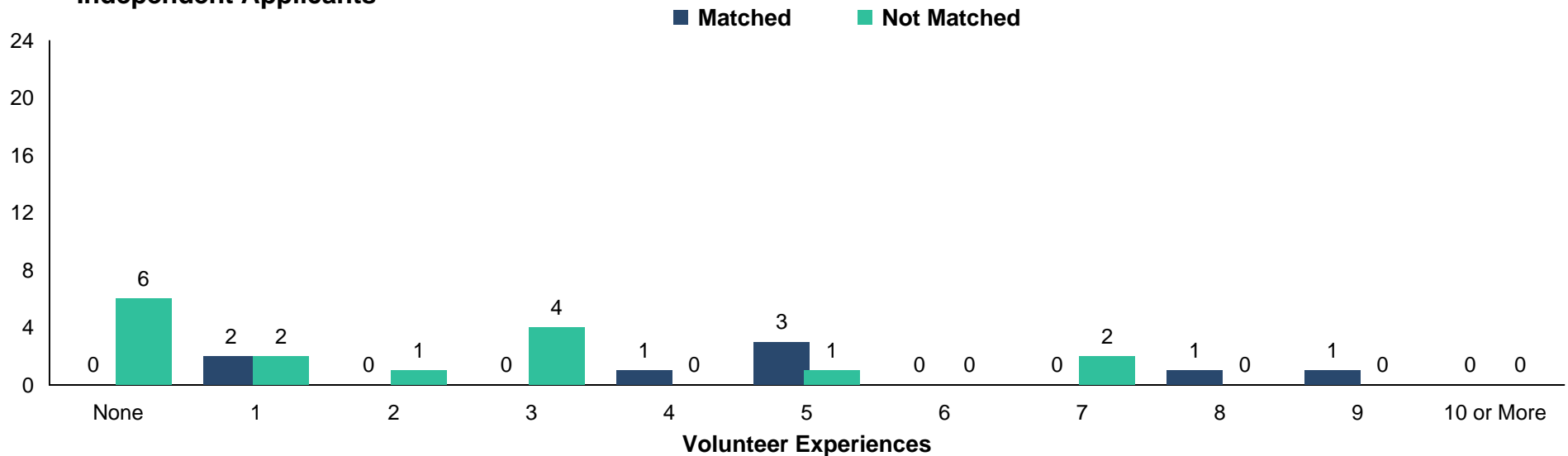
Source: NRMP Data Warehouse and AAMC Data Warehouse

**Number of Volunteer Experiences**  
*Radiation Oncology*

**U.S. Seniors**



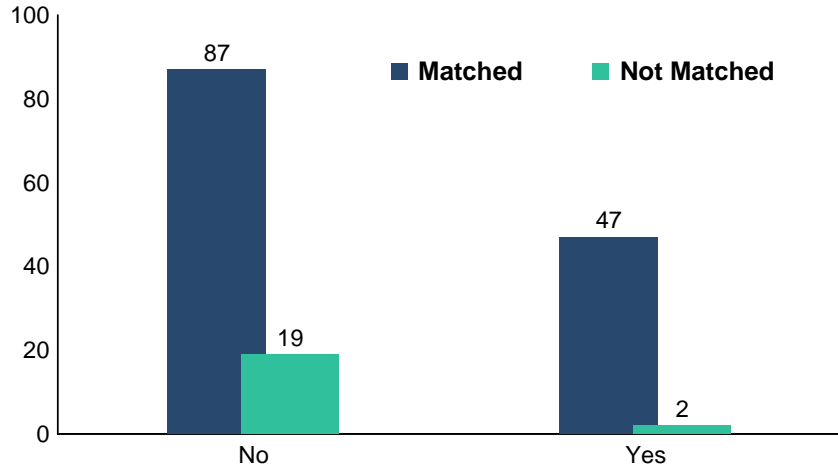
**Independent Applicants**



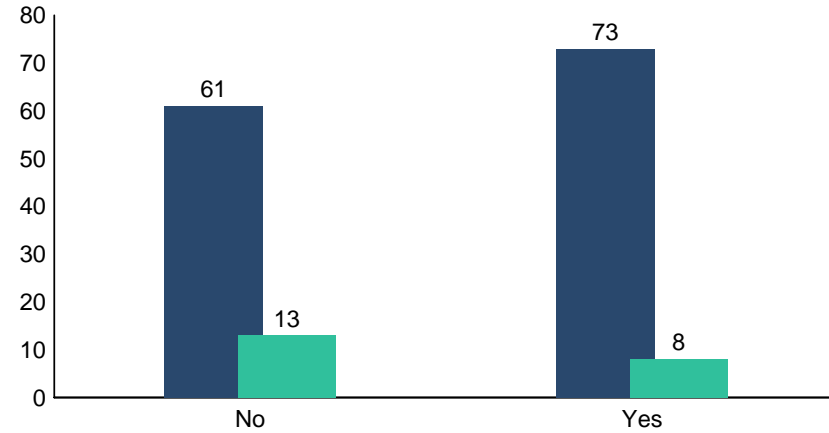
Source: NRMP Data Warehouse and AAMC Data Warehouse.

**Other Characteristics of U.S. Seniors  
Radiation Oncology**

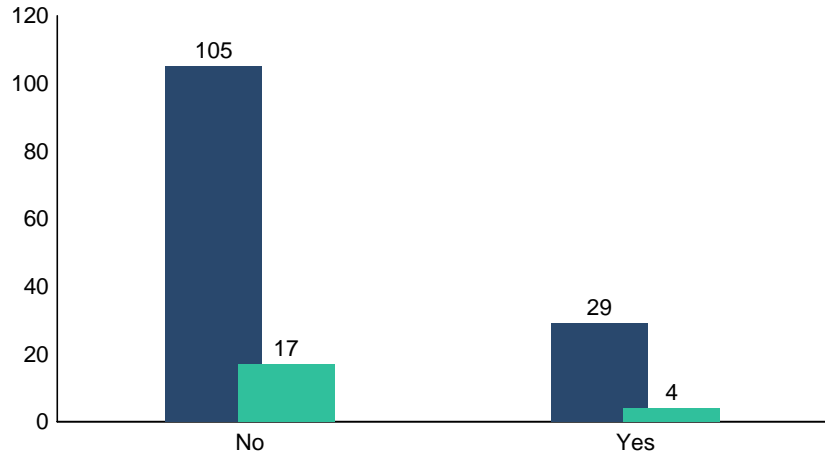
**AOA Membership**



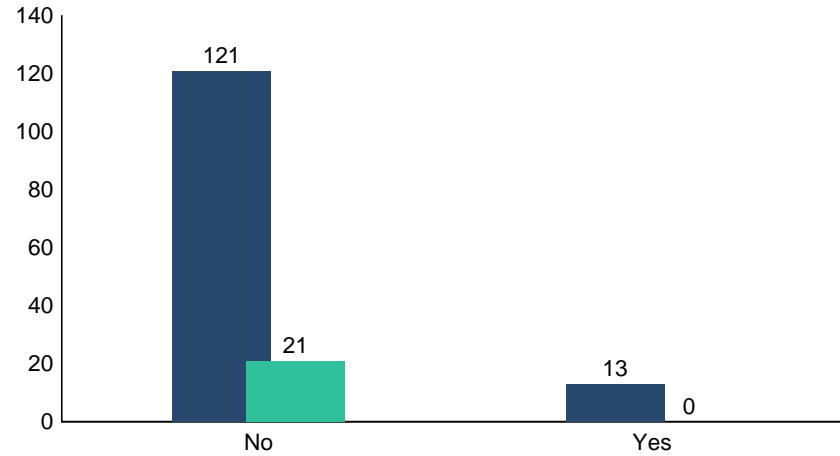
**Graduate of One of the 40 U.S. Medical Schools with the Highest NIH Funding**



**Ph.D. Degree**



**Other Graduate Degree**



Sources: AOA membership from the AAMC Data Warehouse, NIH awards from <http://report.nih.gov/award/trends/AggregateData.cfm> Medical Schools Only.xls, Ph.D. and other graduate degrees from the AAMC Data Warehouse

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**TR** **Transitional Year**

**Table** **Summary Statistics**  
**TR-1** *Transitional Year*

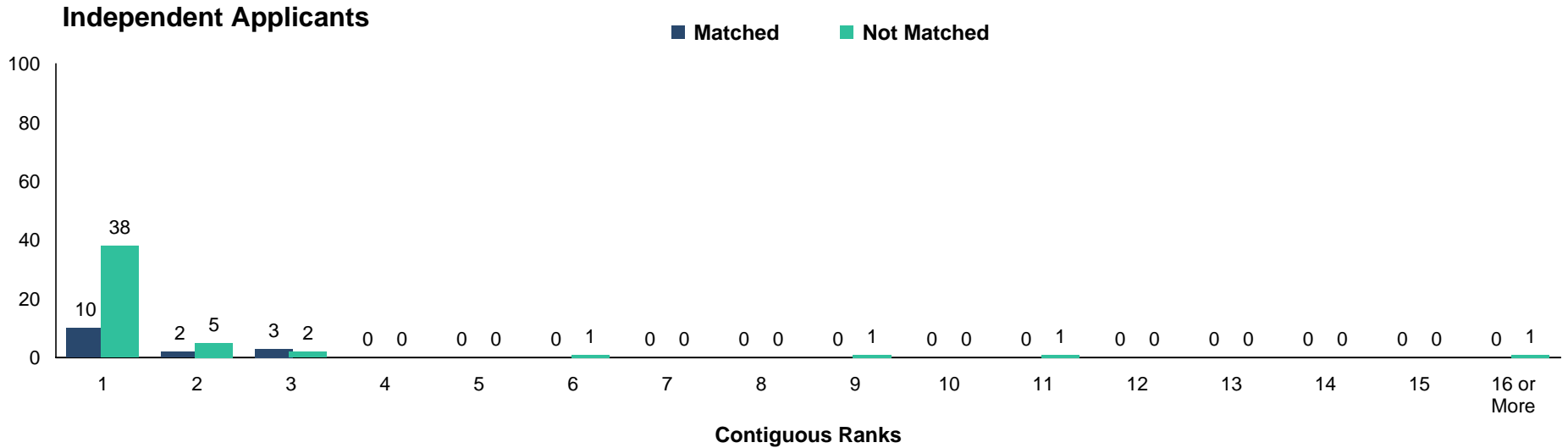
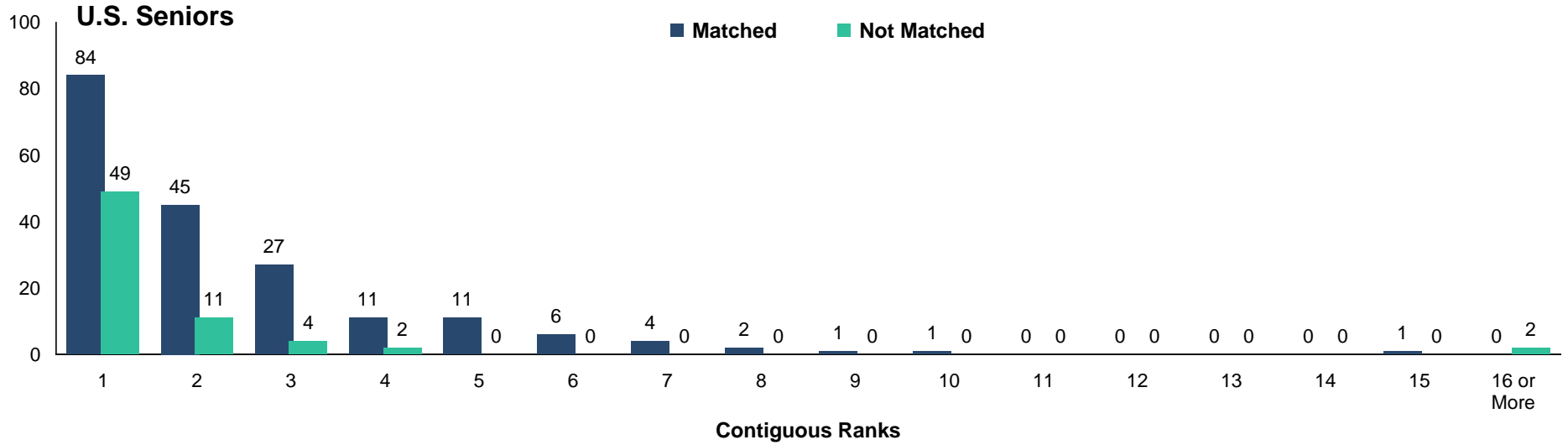
Measure	U.S. Seniors		Independent Applicants	
	Matched (n=193)	Unmatched (n=68)	Matched (n=15)	Unmatched (n=49)
1. Mean number of contiguous ranks	2.4	1.9	1.5	2.0
2. Mean number of distinct specialties ranked	1.9	2.0	1.7	1.9
3. Mean USMLE Step 1 score	236	228	213	209
4. Mean USMLE Step 2 score	239	226	219	208
5. Mean number of research experiences	3.1	2.7	1.7	1.6
6. Mean number of abstracts, presentations, and publications	4.3	4.1	4.3	3.5
7. Mean number of work experiences	2.5	2.2	3.5	2.9
8. Mean number of volunteer experiences	6.4	5.6	3.3	3.9
9. Percentage who are AOA members	24.9	16.2	n/a	n/a
10. Percentage who graduated from one of the 40 U.S. medical schools with the highest NIH funding	46.1	39.7	n/a	n/a
11. Percentage who have Ph.D. degree	4.1	4.4	n/a	n/a
12. Percentage who have another graduate degree	10.4	8.8	n/a	n/a

n/a: The measure either does not apply to, applies to only a small percentage of, or no reliable data were available for independent applicants.

Sources. Measures 1, 2, and match outcome are from the NRMP Data Warehouse; measures 3 and 4 are from the AAMC Data Warehouse and from the ECFMG, both by permission of the NBME and ECFMG; measures 5-9 are from the AAMC Data Warehouse; measure 10 is from the NIH website (<http://report.nih.gov/award/trends/AggregateDate.cfm> Medical Schools Only.xls); and measures 11 and 12 are from the AAMC Data Warehouse.

Note: USMLE Step 1 scores are not available for most osteopathic medical school graduates included in the independent applicant group. Approximately 30 percent of U.S. allopathic medical school seniors do not take the USMLE Step 2 prior to the Match.

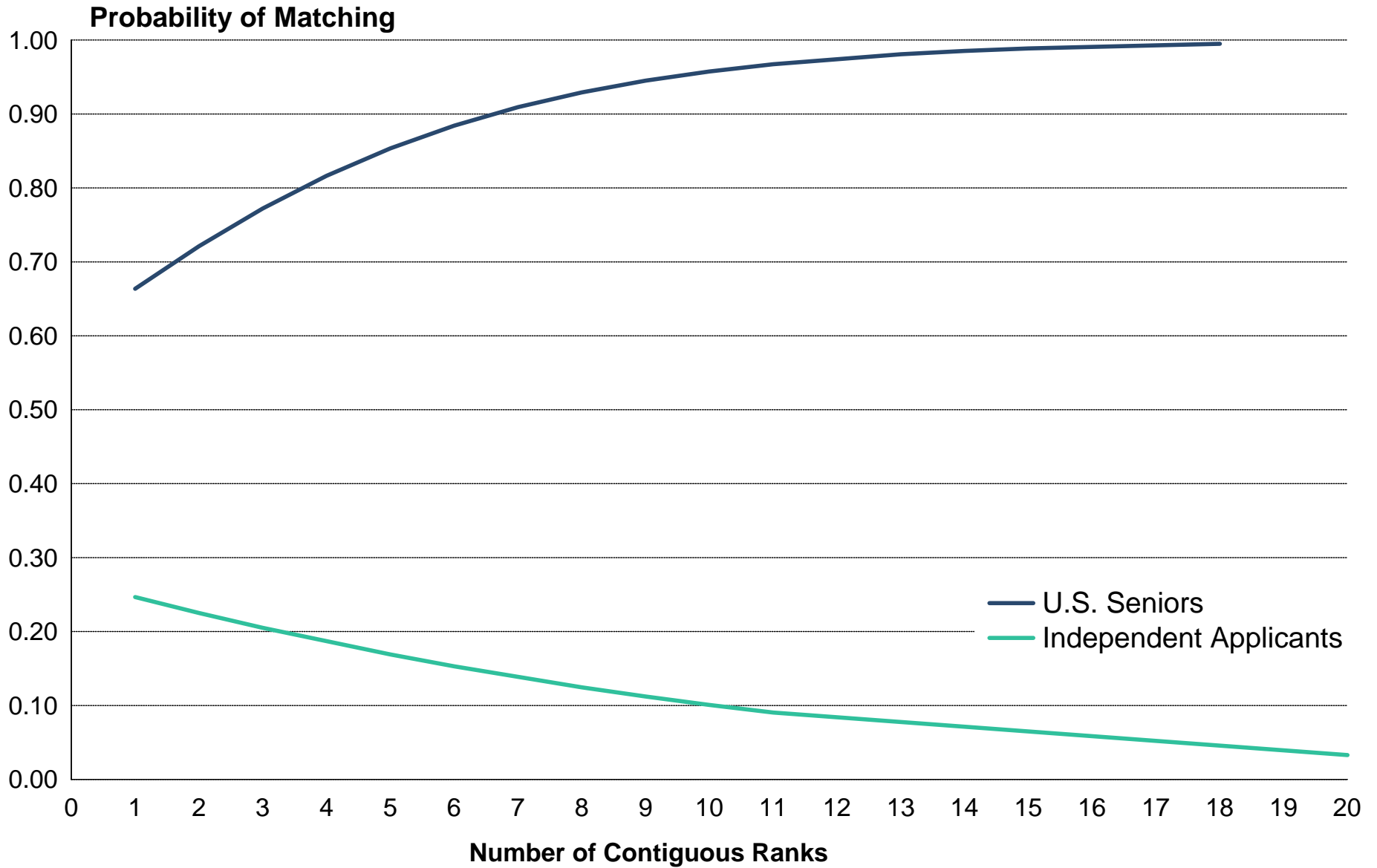
**Number of Contiguous Ranks Within Preferred Specialty  
Transitional Year**



Source: NRMP Data Warehouse

# Probability of Matching to Preferred Specialty by Number of Contiguous Ranks

*Transitional Year*

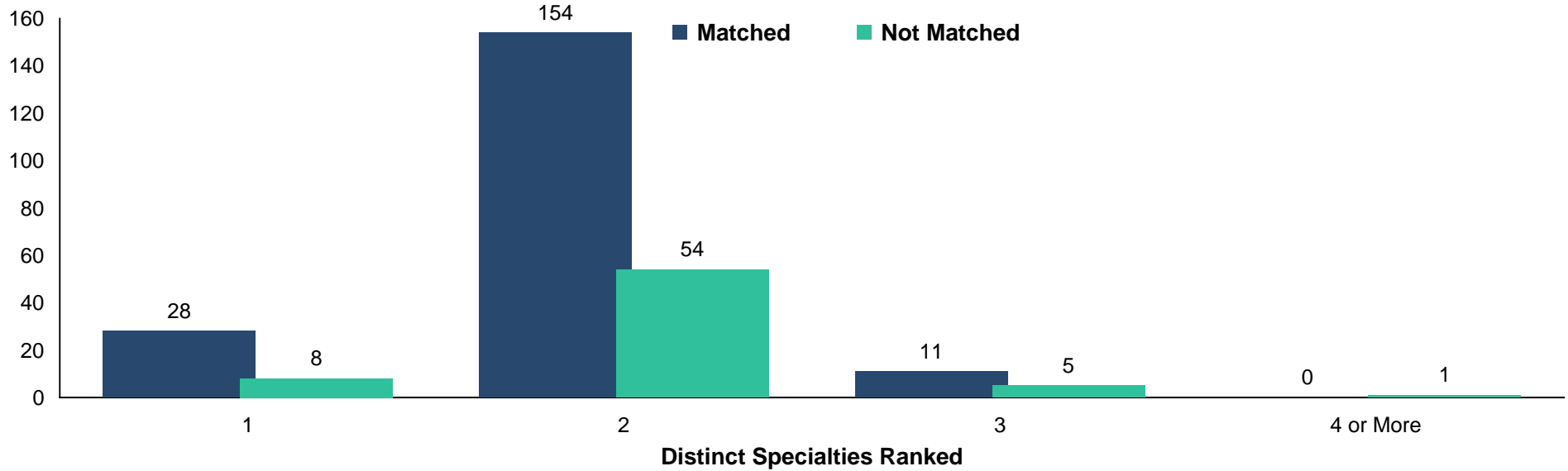


Source: NRMP Data Warehouse. Note: Probabilities calculated based on 2007-2009 applicants.

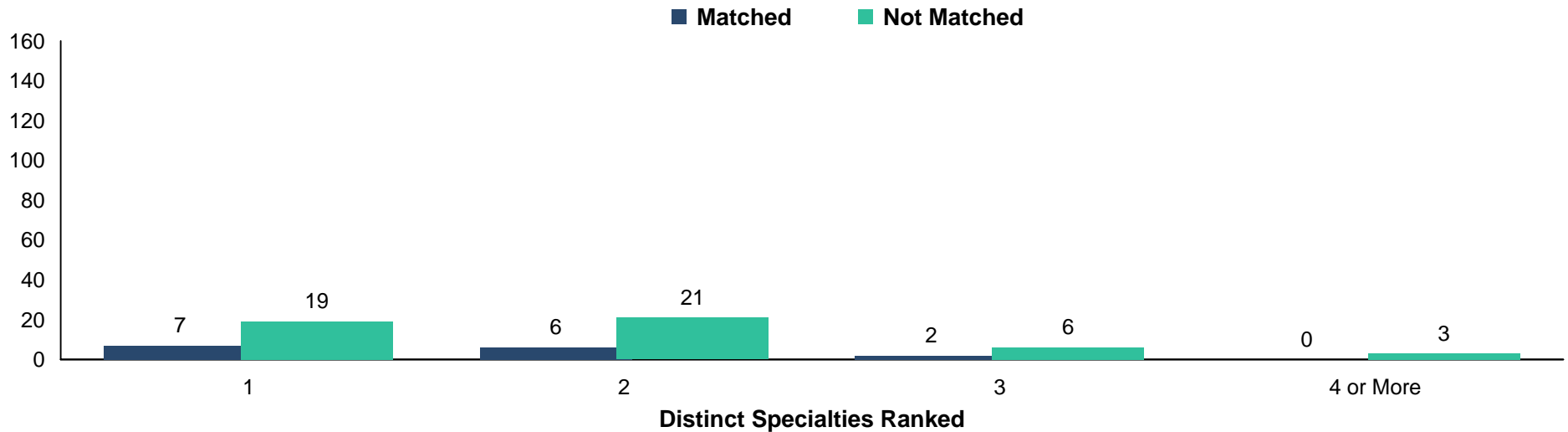


**Number of Distinct Specialties Ranked**  
*Transitional Year*

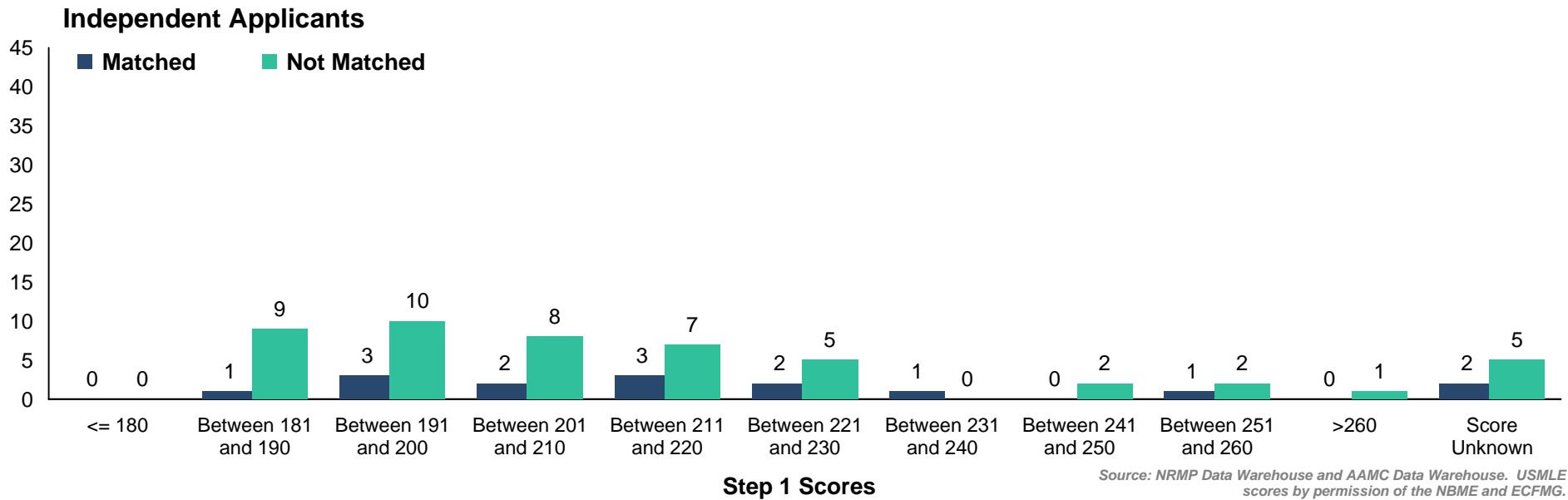
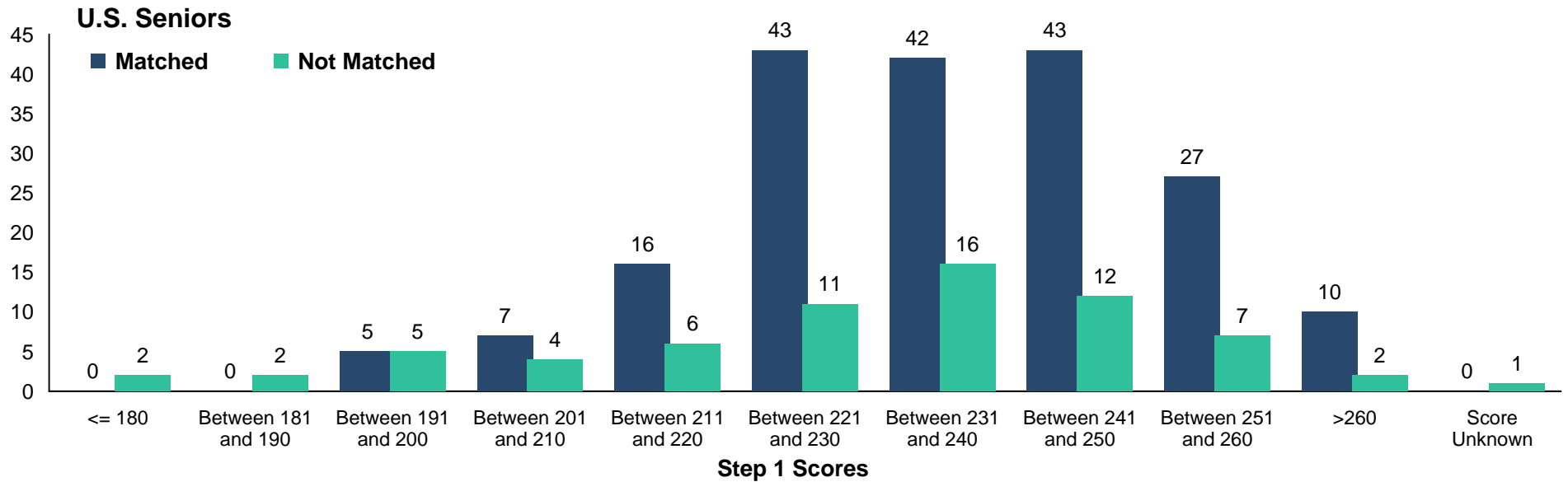
**U.S. Seniors**



**Independent Applicants**



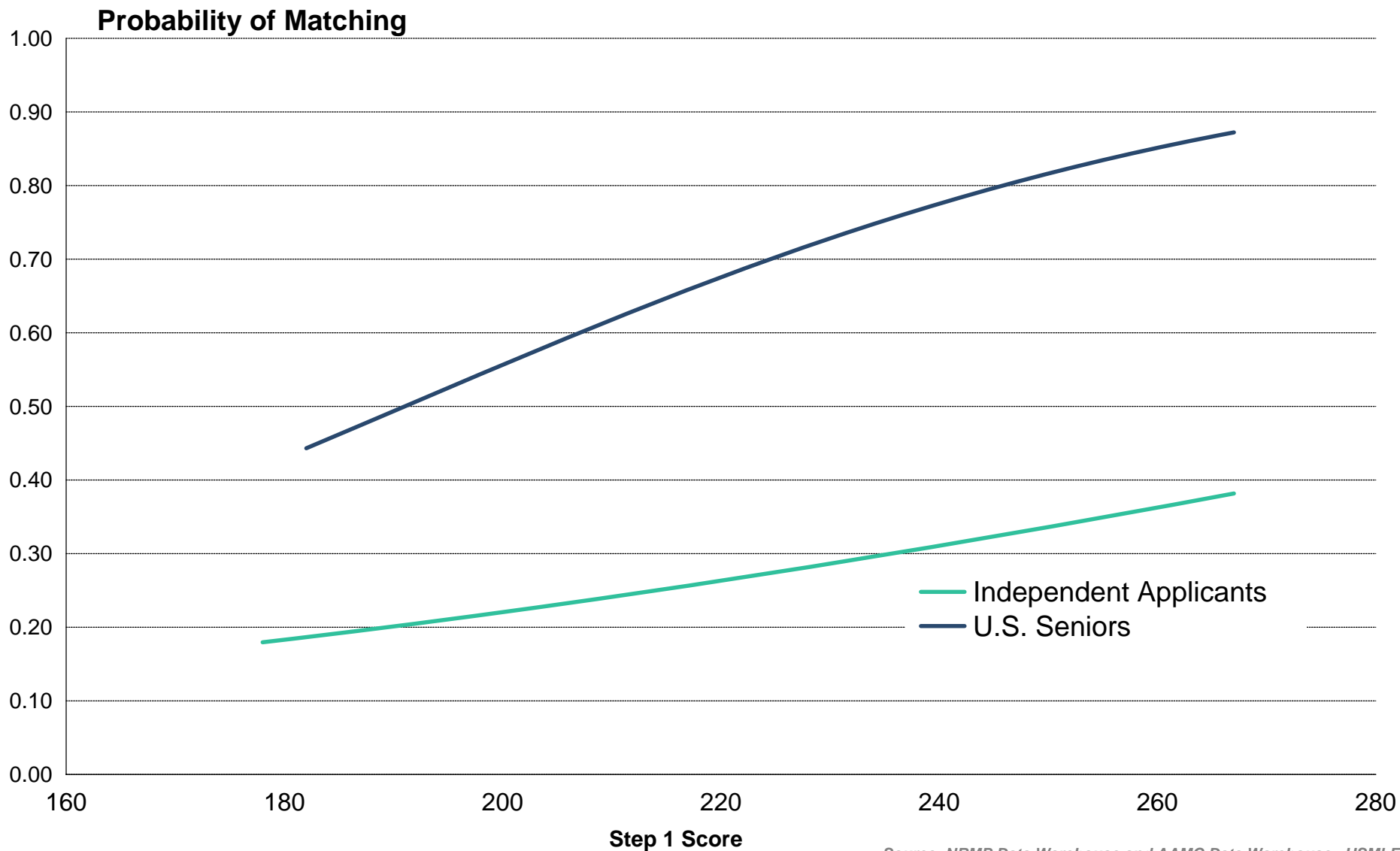
Source: NRMP Data Warehouse



*Source: NRMP Data Warehouse and AAMC Data Warehouse. USMLE scores by permission of the NBME and ECFMG.*

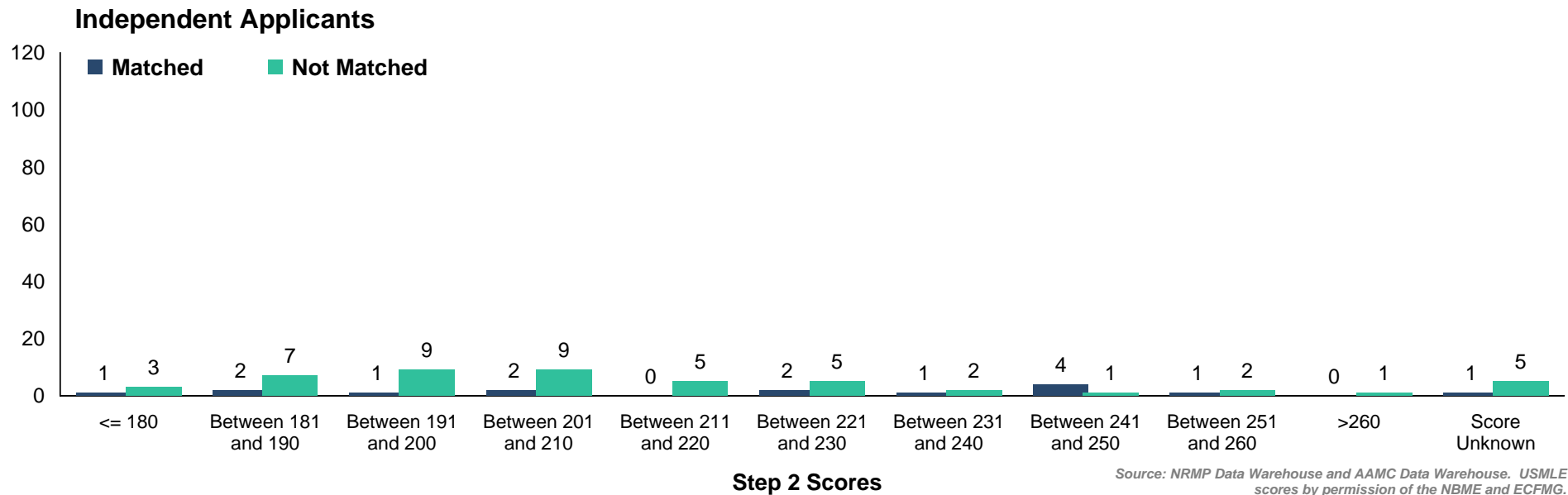
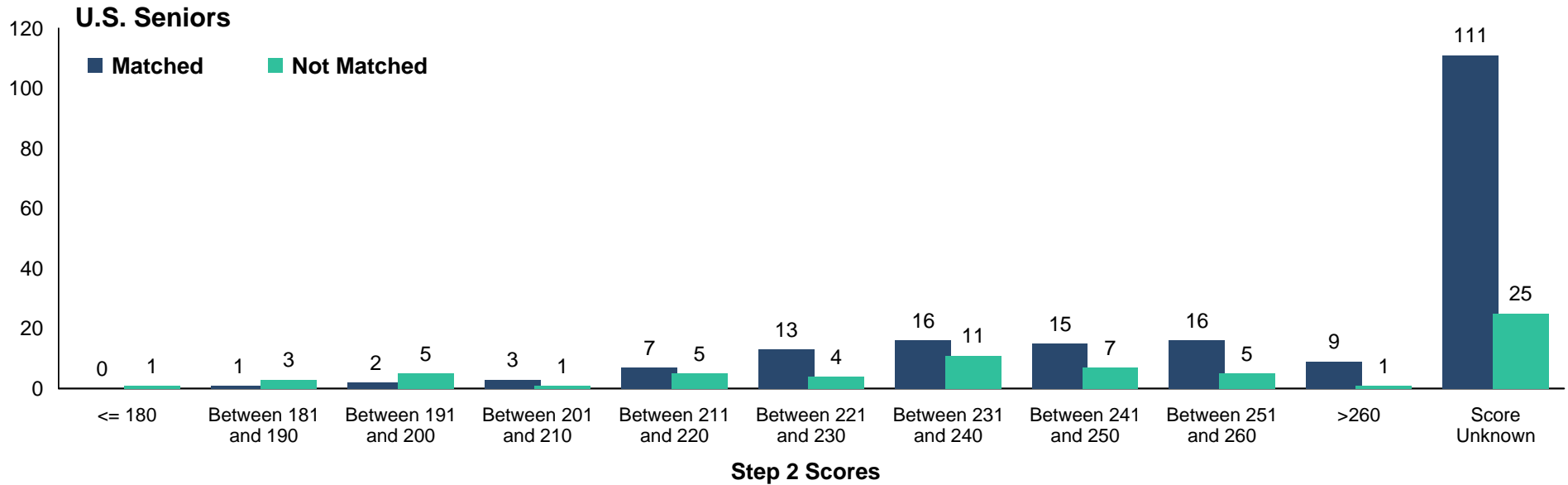
# Probability of Matching to Preferred Specialty by USMLE Step 1 Score

*Transitional Year*



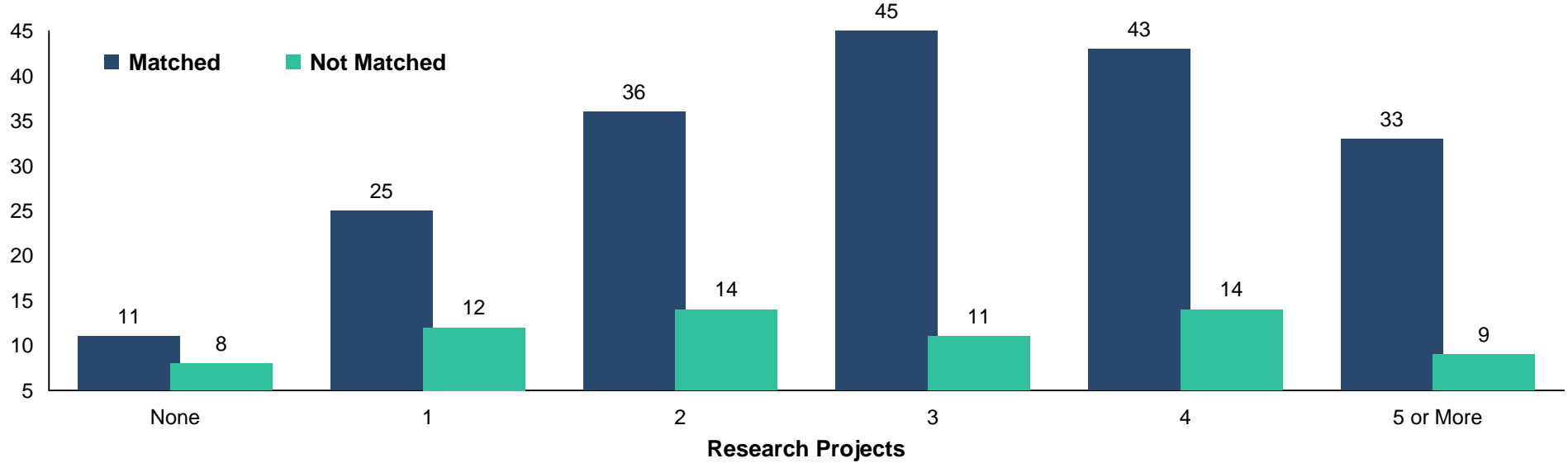
Source: NRMP Data Warehouse and AAMC Data Warehouse. USMLE scores by permission of the NBME and ECFMG. Note: Probabilities calculated based on 2007-2009 applicants.

**USMLE Step 2 Scores**  
*Transitional Year*

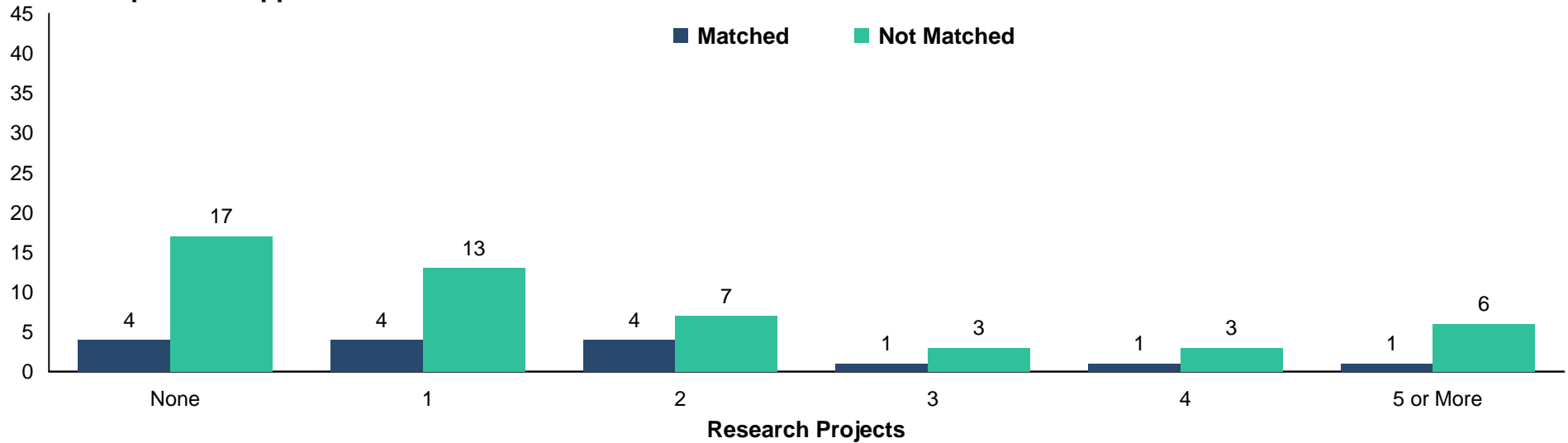


Source: NRMP Data Warehouse and AAMC Data Warehouse. USMLE scores by permission of the NBME and ECFMG.

**U.S. Seniors**

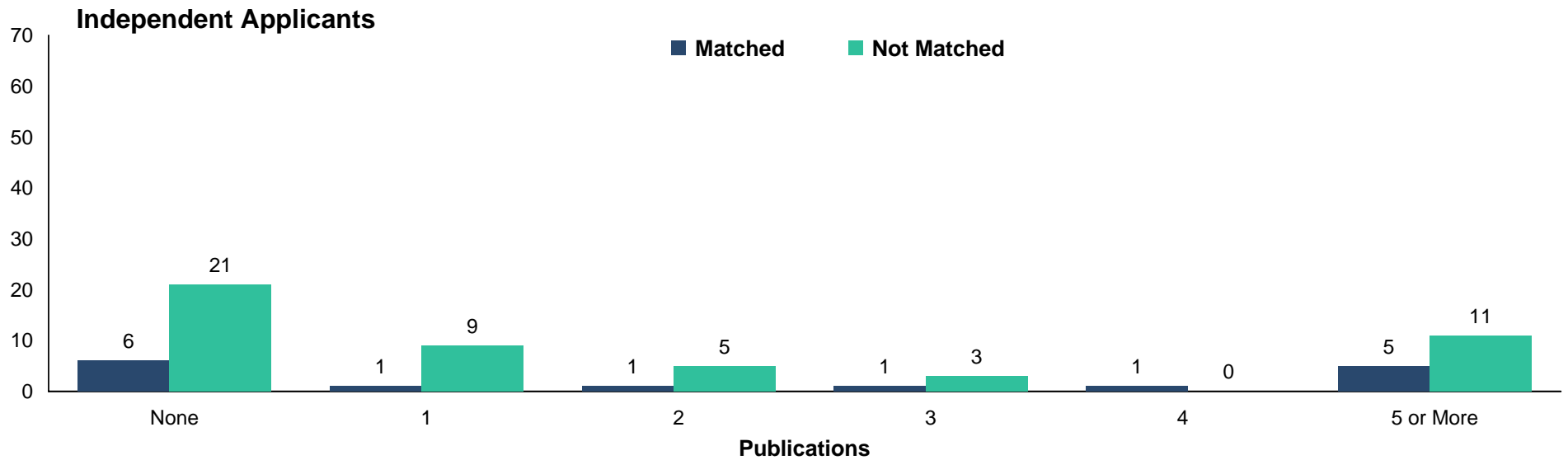
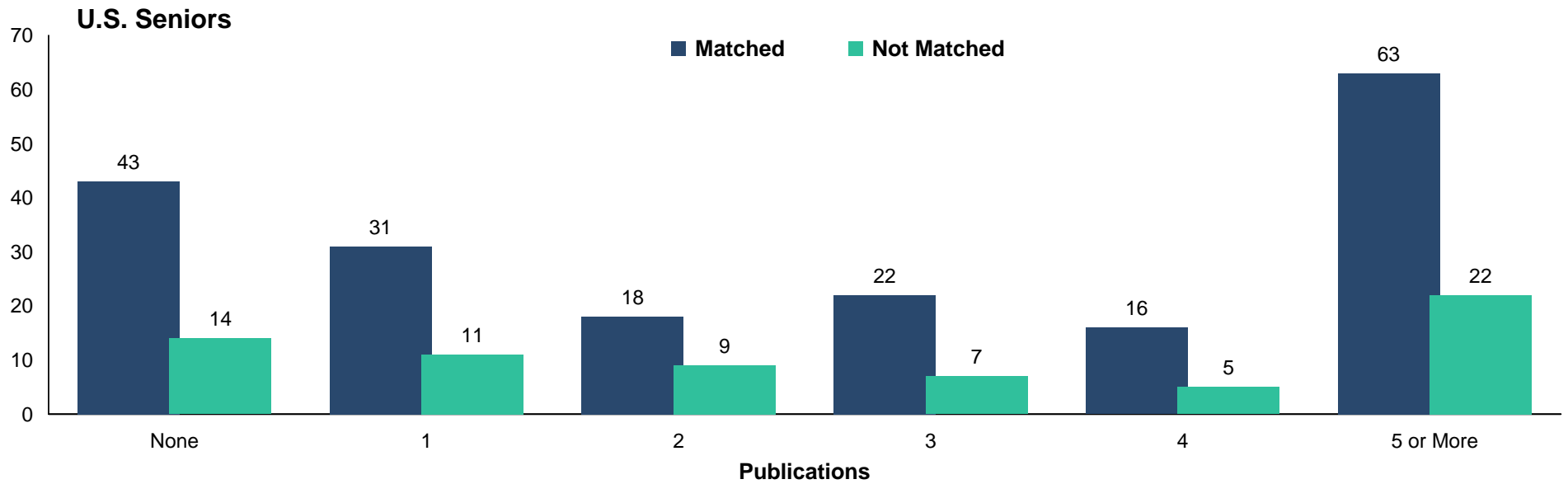


**Independent Applicants**



Source: NRMP Data Warehouse and AAMC Data Warehouse

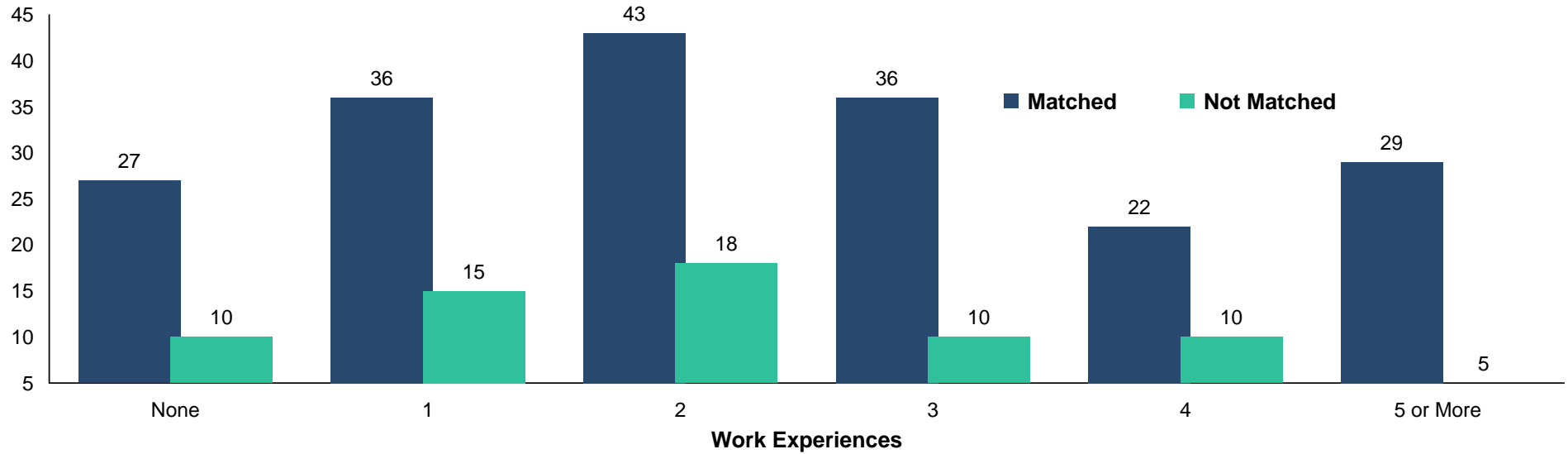
**Number of Abstracts, Presentations, and Publications**  
*Transitional Year*



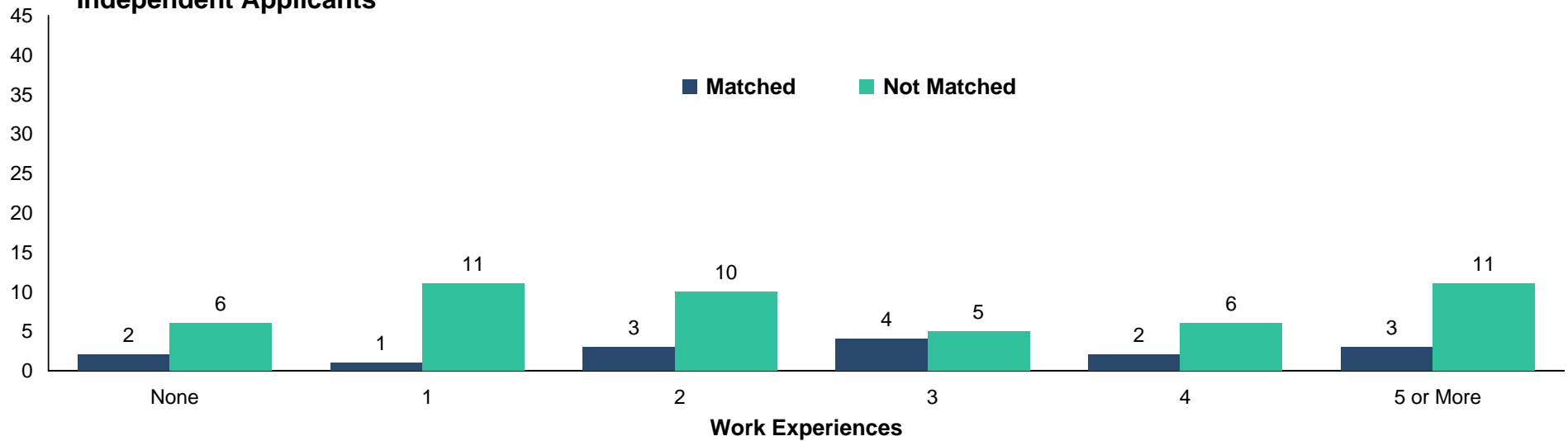
Source: NRMP Data Warehouse and AAMC Data Warehouse

**Number of Work Experiences**  
*Transitional Year*

**U.S. Seniors**



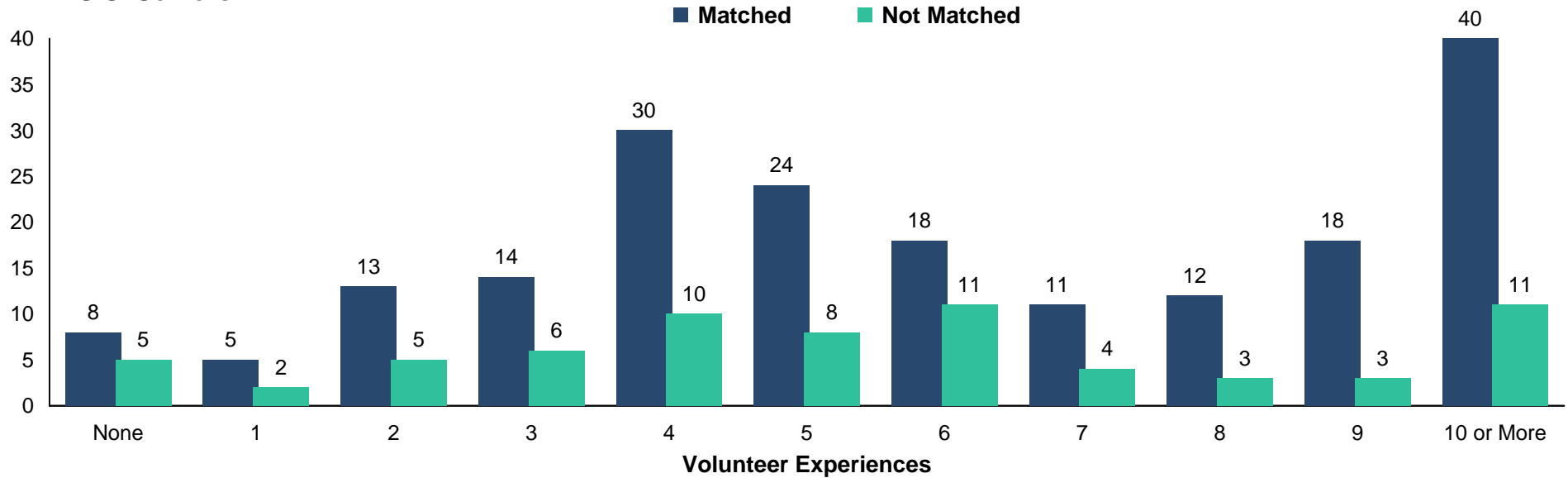
**Independent Applicants**



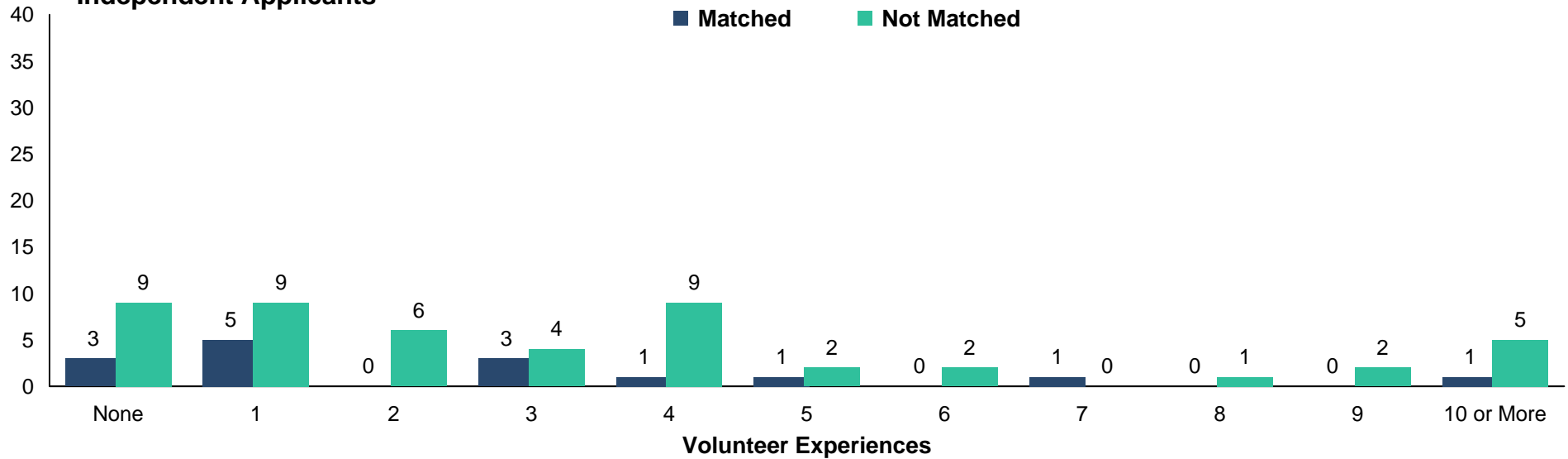
Source: NRMP Data Warehouse and AAMC Data Warehouse

**Number of Volunteer Experiences**  
*Transitional Year*

**U.S. Seniors**



**Independent Applicants**

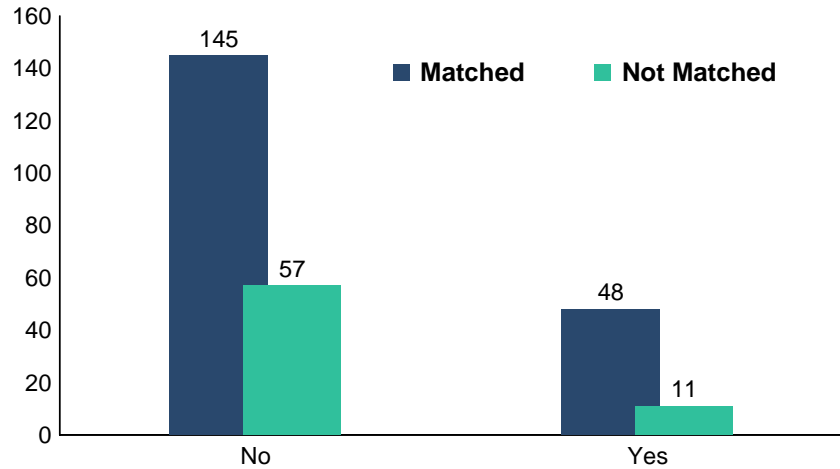


Source: NRMP Data Warehouse and AAMC Data Warehouse.

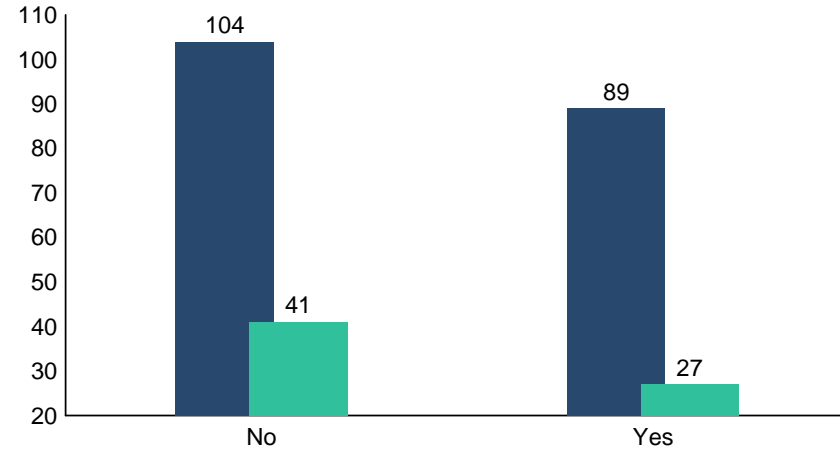


**Other Characteristics of U.S. Seniors  
Transitional Year**

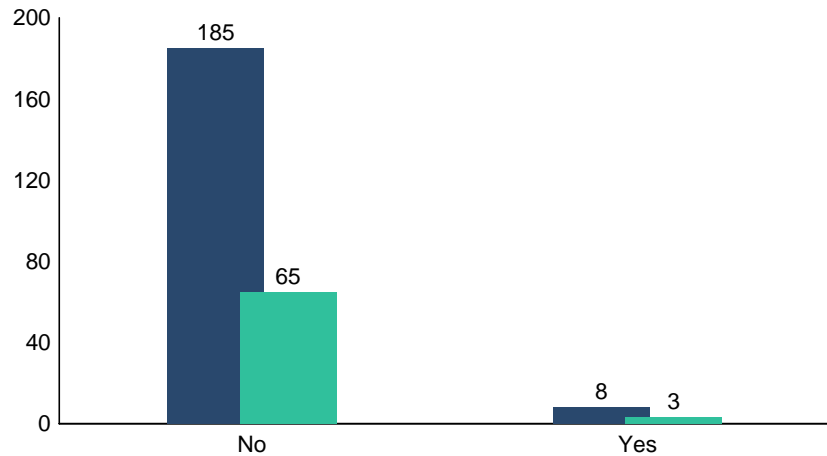
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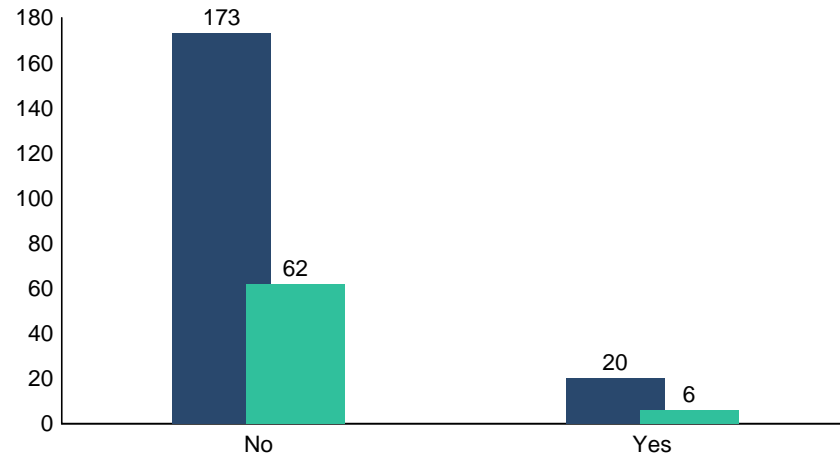
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