

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 2011 Main Residency Match

4th Edition

Prepared by:

National Resident Matching Program
and Association of American Medical Colleges

August 2011

Questions about the contents of this publication may be directed to Mei Liang, Director of Research, National Resident Matching Program, (202) 778-4773 or mliang@aamc.org.

Questions about the NRMP should be directed to Mona Signer, Executive Director, National Resident Matching Program, (866) 617-5834 or msigner@aamc.org.

Questions about the AAMC data collections may be directed to Paul Jolly, Ph.D., Senior Director, Association of American Medical Colleges, (202) 828-0257 or pjolly@aamc.org.

Copyright ©2011 National Resident Matching Program and Association of American Medical Colleges. All materials subject to this copyright may be photocopied for the purpose of nonprofit, scientific, or educational advancement.

Suggested Citation

National Resident Matching Program, Charting Outcomes in the Match, 2011. National Resident Matching Program, Washington, DC 2011.

Introduction	ii
---------------------------	----

Tables and Charts for All Specialties

Chart 1. Active Applicants in the 2011 Main Residency Match.....	2
Table 1. Number of Applicants and Positions in the 2011 Main Residency Match.....	3
Chart 2. Ratio - Applicants Ranking Specialty First / Available Positions	4
Chart 3. Match Rates	5
Table 2. Summary Statistics	6
Chart 4. Median Number of Contiguous Ranks	7
Chart 5. Mean Number of Different Specialties Ranked.....	8
Chart 6. USMLE Step 1 Scores of Matched Applicants	9
Chart 7. USMLE Step 2 Scores of Matched Applicants	10
Chart 8. Mean Number of Research Experiences.....	11
Chart 9. Mean Number of Abstracts, Presentations, and Publications.....	12
Chart 10. Mean Number of Work Experiences	13
Chart 11. Mean Number of Volunteer Experiences	14
Chart 12. Percentage of U.S. Allopathic Seniors Who are Members of AOA.....	15
Chart 13. Percentage of U.S. Allopathic Seniors Graduating from One of the 40 Medical Schools with the Highest NIH Funding	16
Chart 14. Percentage of Matched U.S. Allopathic Seniors Who Have a Graduate Degree	17

Tables and Charts for Individual Specialties

Anesthesiology	18
Dermatology	31
Diagnostic Radiology	44
Emergency Medicine.....	57
Family Medicine.....	70
General Surgery.....	83
Internal Medicine.....	96
Internal Medicine/Pediatrics.....	109
Neurological Surgery.....	122
Neurology	135
Obstetrics and Gynecology	148
Orthopaedic Surgery.....	161
Otolaryngology.....	174
Pathology.....	187
Pediatrics	200
Physical Medicine and Rehabilitation	213
Plastic Surgery.....	226
Psychiatry	239
Radiation Oncology.....	252

The first edition of *Charting Outcomes in the Match* was published in August 2006 using data from the 2005 Main Residency Match. Starting with the 2007 edition, *Charting Outcomes in the Match* was published biennially, based on the Main Match of the same year.

Specialties that offered 50 or more positions in a given year are included in these reports. New specialties were added, including Otolaryngology and Neurology in 2007, and Neurological Surgery in 2009. No new specialties were added to the 2011 report; however, Transitional Year was excluded this year because it is not a specialty choice.

Twelve measures are incorporated in the reports. Probability analysis was introduced in 2009 to evaluate the relationship between match success and contiguous ranks and USMLE Step 1 scores.

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.¹ 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 seem 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:

Mei Liang, Director of Research
National Resident Matching Program
Tel: (202) 778-4773
Email: mliang@aamc.org

Or

Paul Jolly, Ph.D., Senior Director, Special Studies
Association of American Medical Colleges
Tel: (202) 828-0257
Email: pjolly@aamc.org

¹ Independent applicants are defined on page 2.



Tables and Charts for All Specialties

Chart 1

Active Applicants in the 2011 Main Residency Match by Applicant Type

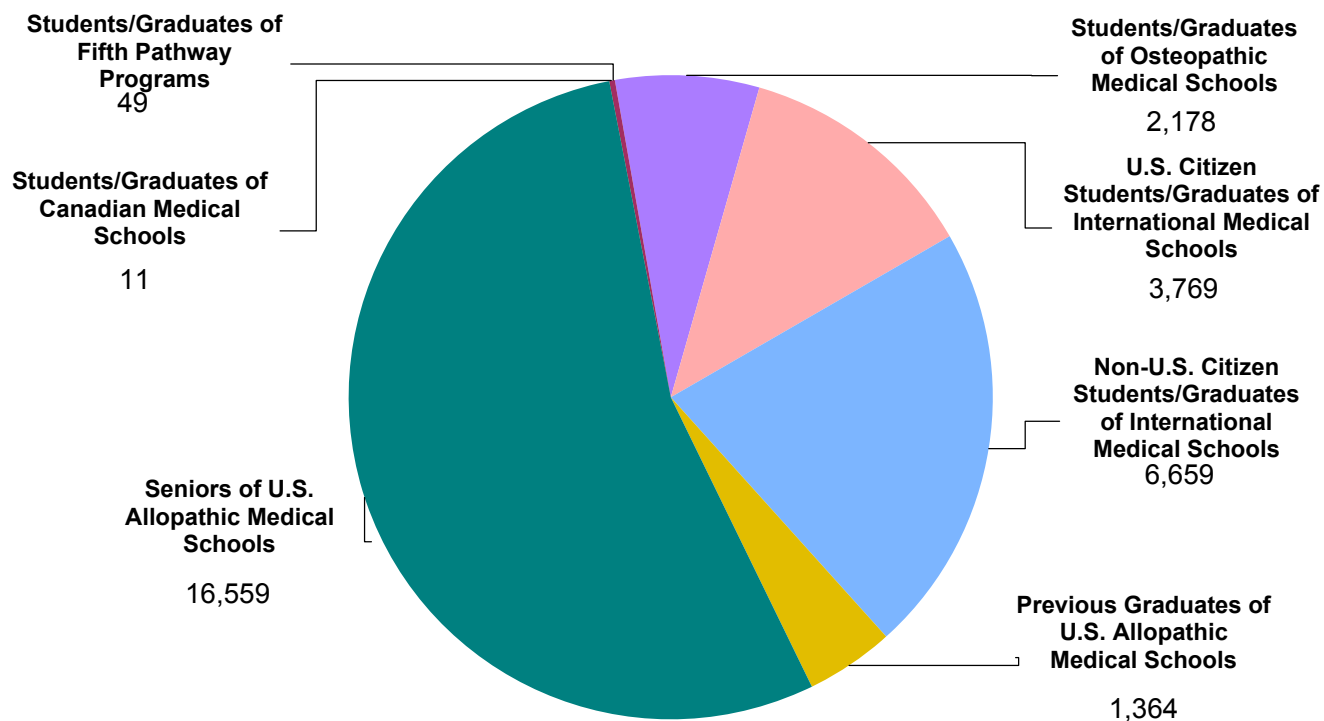


Chart 1 shows the number of active applicants (applicants who submitted rank order lists of programs) by applicant type. U.S. allopathic medical school seniors constitute 54.1 percent of the applicants in this report. The next largest group is non-U.S. citizen students and graduates of international medical schools (21.8%). 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 2011 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	1,404	1,612	1.1	1,095	41	242	234
Dermatology	372	519	1.4	307	80	56	76
Diagnostic Radiology	1,124	1,255	1.1	883	36	191	145
Emergency Medicine	1,626	2,025	1.2	1,259	137	330	299
Family Medicine	2,708	3,551	1.3	1,265	40	1,000	1,246
General Surgery	1,108	1,756	1.6	830	205	192	529
Internal Medicine	5,407	7,874	1.5	2,947	171	1,952	2,804
Internal Medicine/Pediatrics	365	434	1.2	302	43	44	45
Neurological Surgery	195	268	1.4	174	28	17	49
Neurology	605	755	1.2	360	15	210	170
Obstetrics and Gynecology	1,205	1,509	1.3	890	57	291	271
Orthopaedic Surgery	670	974	1.5	621	186	47	120
Otolaryngology	283	364	1.3	267	45	11	41
Pathology	518	658	1.3	267	10	192	189
Pediatrics	2,601	2,988	1.1	1,734	78	595	581
Physical Medicine and Rehabilitation	373	484	1.3	178	19	174	113
Plastic Surgery	108	197	1.8	74	94	7	22
Psychiatry	1,097	1,597	1.5	630	28	402	537
Radiation Oncology	171	211	1.2	154	27	10	20

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

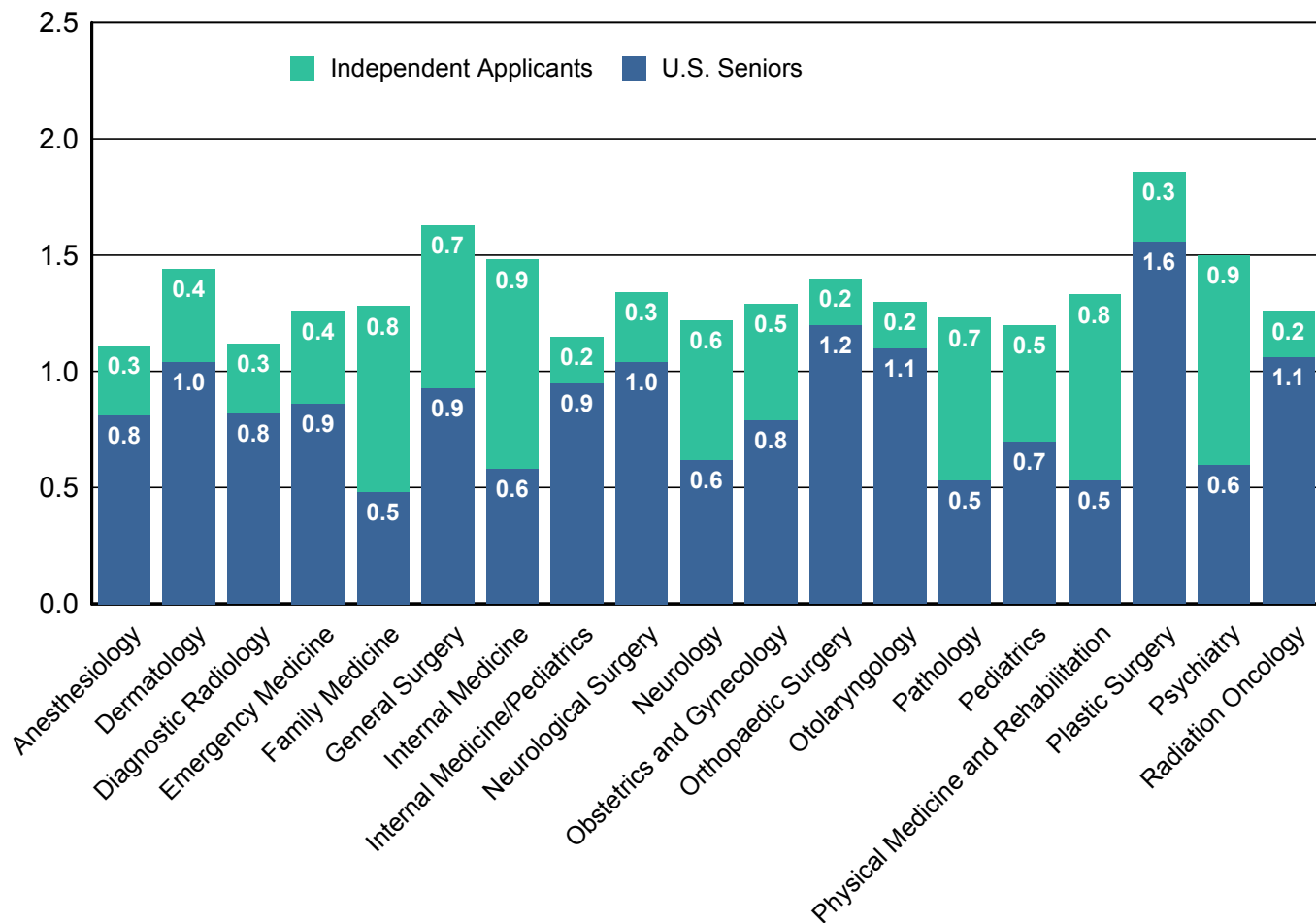
Note: For those specialties where both exist, PGY-1 and PGY-2 positions have been combined.

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

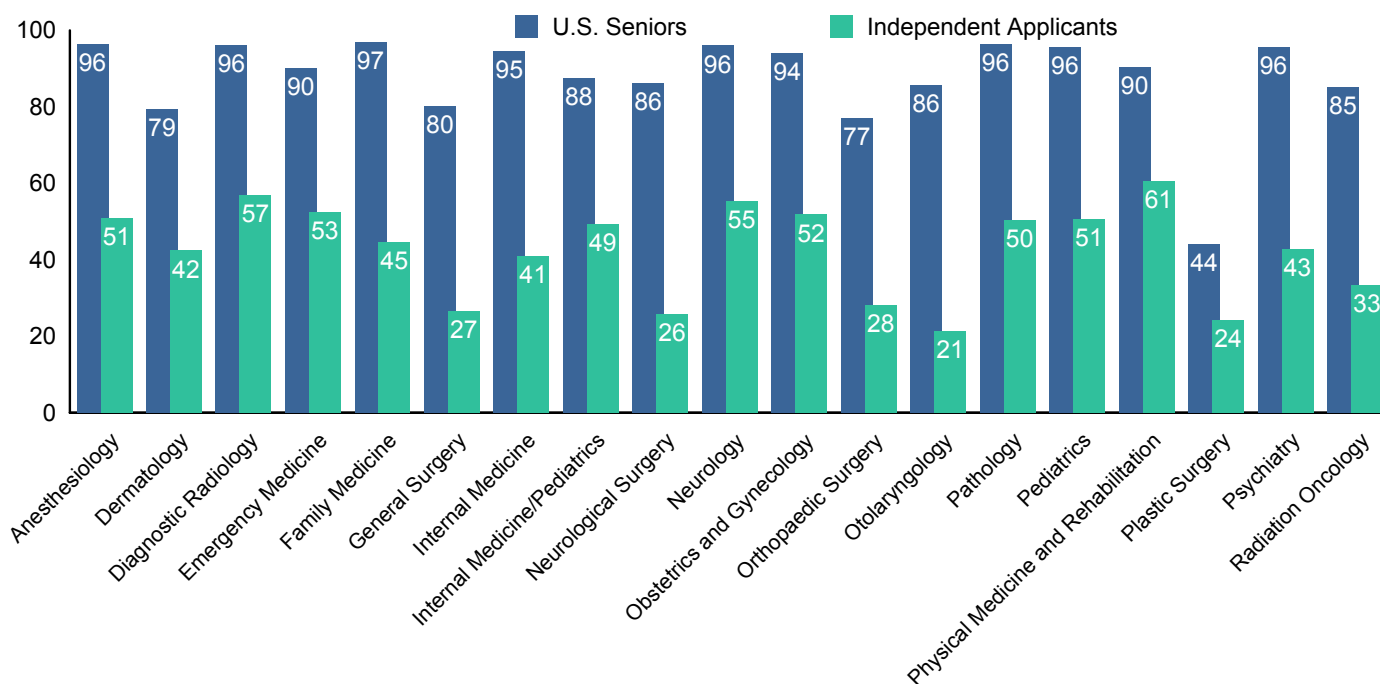


Source: NRMP Data Warehouse

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, Plastic Surgery, and Radiation Oncology 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, 91.4 percent U.S. seniors matched to their preferred specialty, ranging from a high of 96.9 percent (Family Medicine) to a low of 44.0 percent (Plastic Surgery). For independent applicants, the overall match rate was 44.2 percent, ranging from a high of 60.6 percent (Physical Medicine and Rehabilitation) to a low of 21.2 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=14,237)	Unmatched (n=1,340)	Matched (n=5,963)	Unmatched (n=7,491)
1. Mean number of contiguous ranks	10.4	5.6 ^r	6.3	2.7
2. Mean number of distinct specialties ranked	1.2	1.5	1.3	1.5
3. Mean USMLE Step 1 score	226	214	219	209
4. Mean USMLE Step 2 score	235	221	223	212
5. Mean number of research experiences	2.3	2.3	1.5	1.3
6. Mean number of abstracts, presentations, and publications	3.2	3.0	2.7	3.0
7. Mean number of work experiences	2.7	2.7	3.3	4.0
8. Mean number of volunteer experiences	6.4	5.8	4.0	2.8
9. Percentage who are AOA members	15.0	5.5	n/a	n/a
10. Percentage who graduated from one of the 40 U.S. medical schools with the highest NIH funding	34.4	28.8	n/a	n/a
11. Percentage who have Ph.D. degree	4.4	3.4	n/a	n/a
12. Percentage who have another graduate degree	11.0	15.7	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.

r: Revised

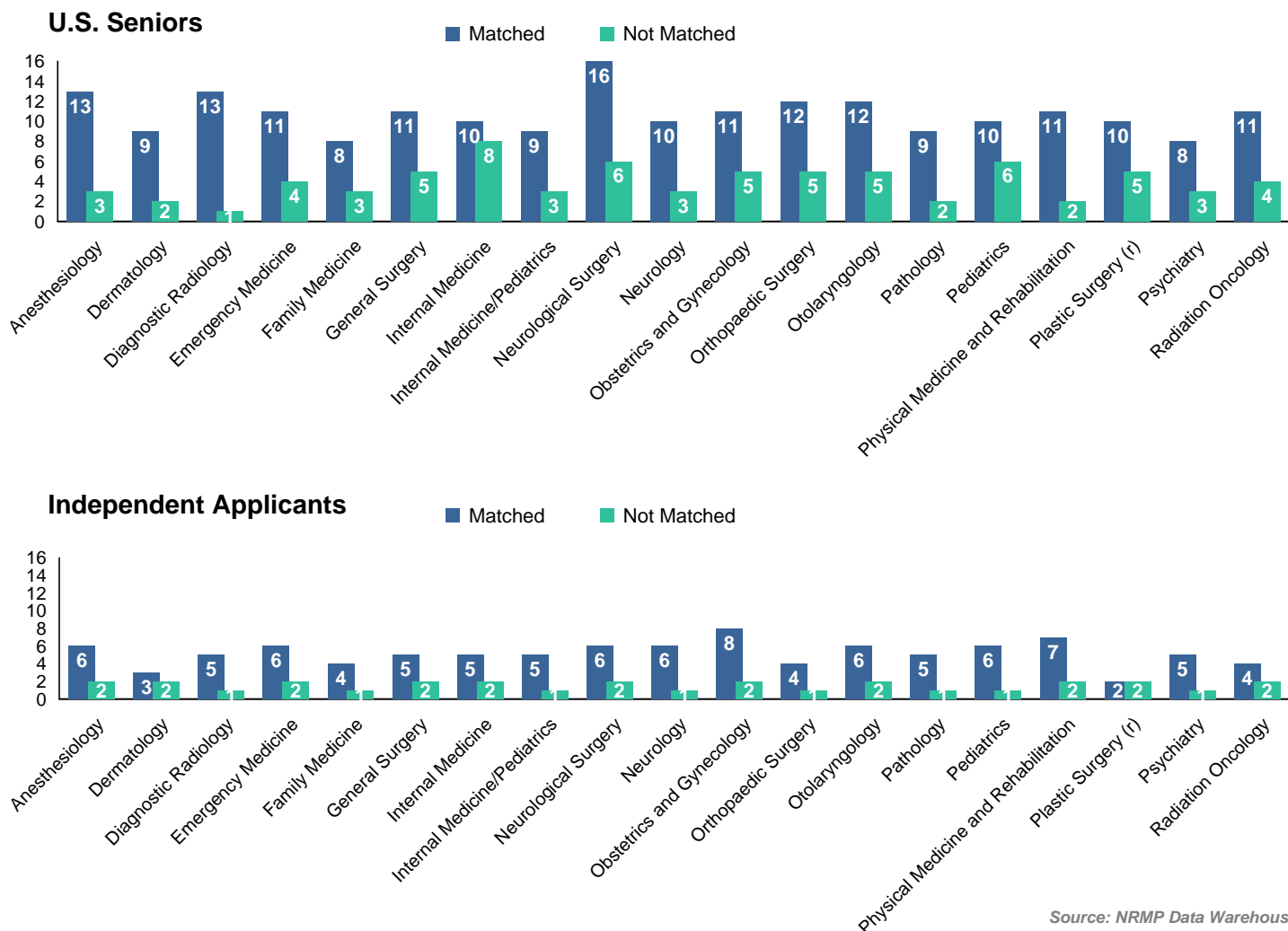
Sources. Measures 1, 2, and match outcome are from the NRMP Data Warehouse; measures 3 and 4 are from the AAMC Data Warehouse and from the ECFMG, both by permission of the NBME and ECFMG; measures 5-9 are from the AAMC Data Warehouse; measure 10 is from the NIH website (<http://report.nih.gov/award/trends/AggregateDate.cfm>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

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 92.6 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 83.4 percent of the applicants. In addition to missing Step 2 scores for the osteopathic applicants, only 83.0 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



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 (16) 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.

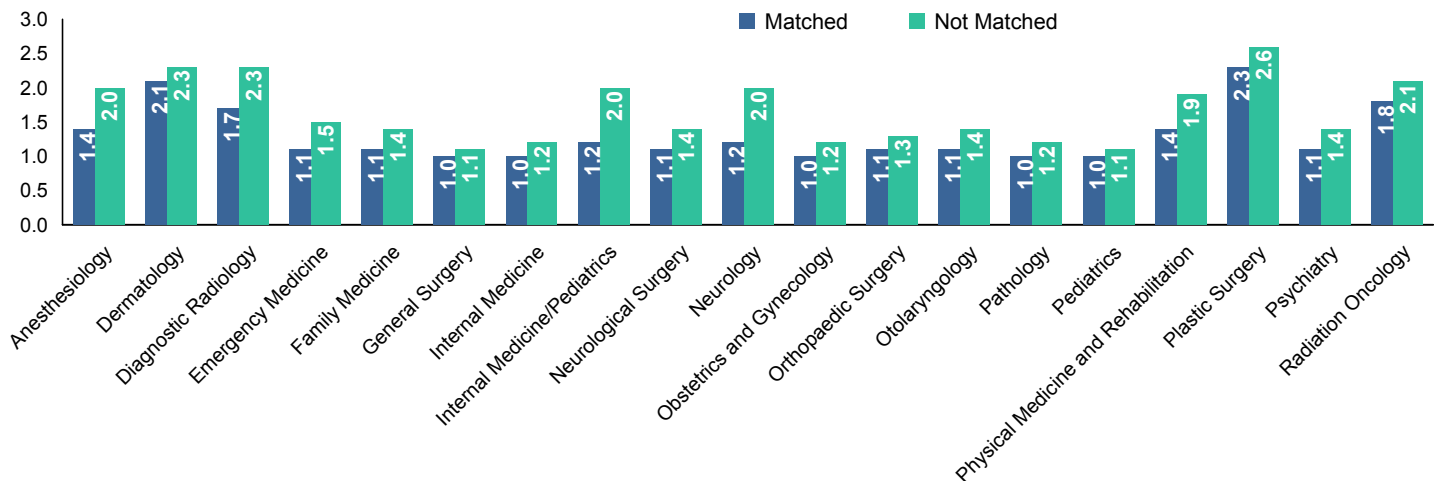
The principal message of these graphs is that applicants with longer rank order lists are more successful than those with shorter ones. The NRMP has been recommending longer lists for many years, but some applicants apparently do not heed the advice. Others may have shorter lists because they found only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

Plastic Surgery (r): Revised

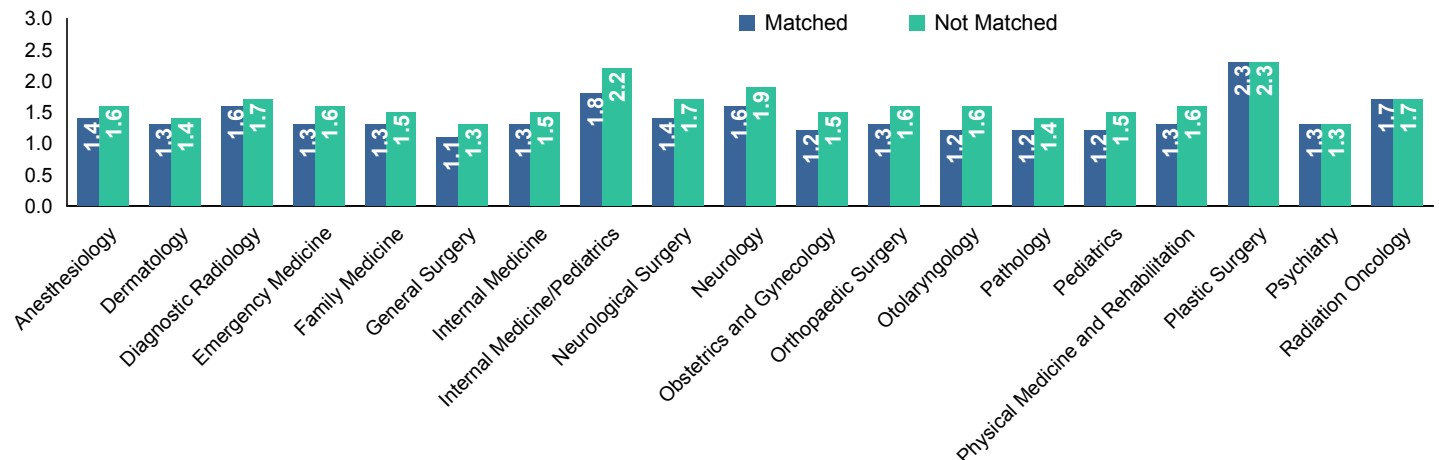
**Chart
5**

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.

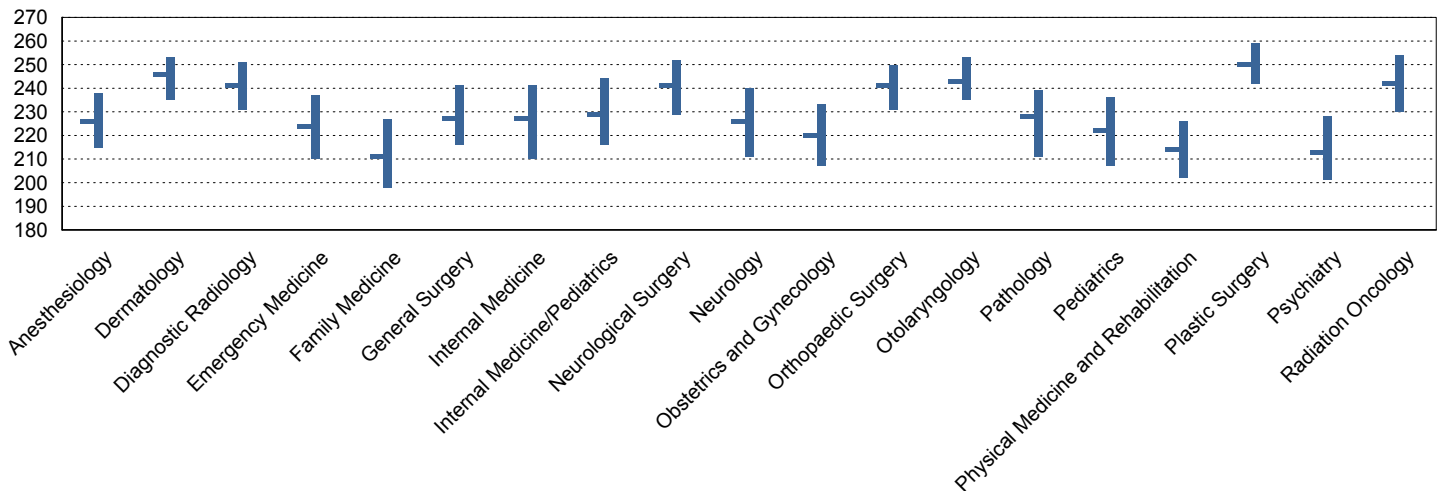
The top chart shows the data for U.S. seniors. In general, seniors who preferred the more competitive specialties were more likely to rank more than one specialty. For almost all specialties, seniors who did not match to their preferred specialty were more likely to rank more than one specialty compared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

A similar pattern can be seen for the independent applicants.

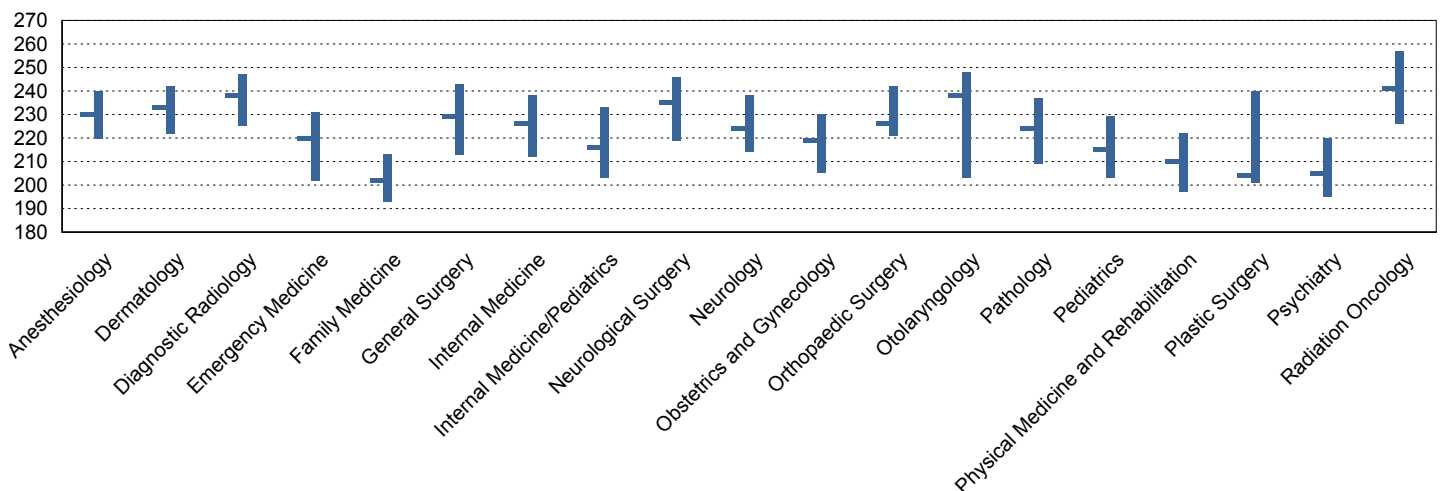
Chart 6

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.

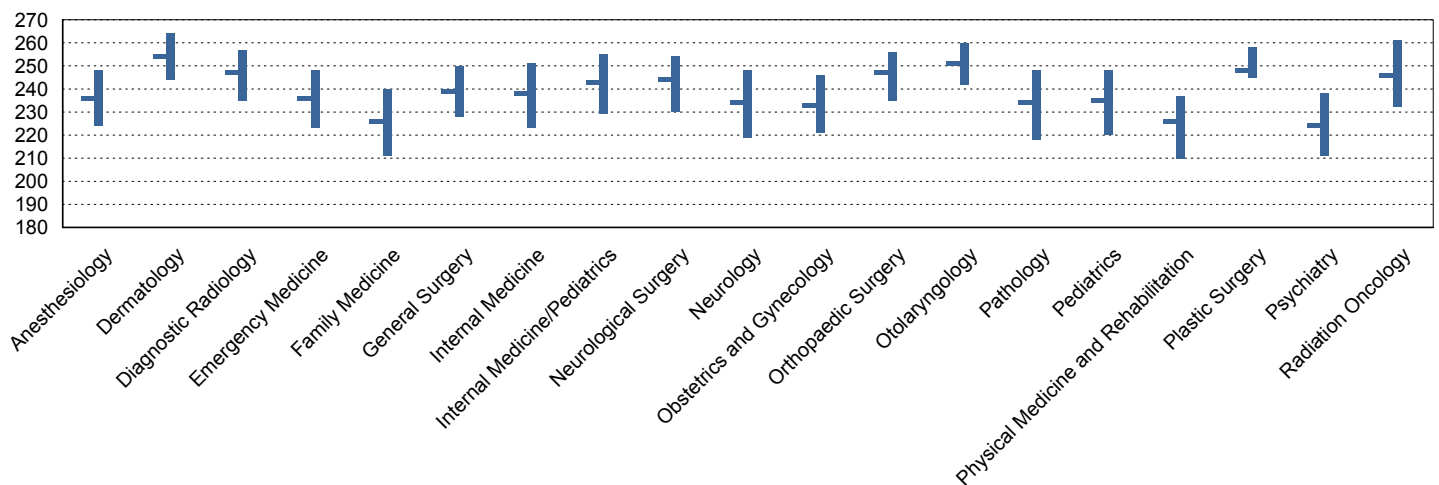
USMLE Step 1 scores are a measure of a student's understanding of important basic science concepts and the ability to apply that knowledge to the practice of medicine. Although such knowledge is only one facet of applicant qualifications considered by program directors in their selection process, it 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 225.2 (s.d. = 20.6) and independent applicants have mean scores of 212.8 (s.d. = 19.8), 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.

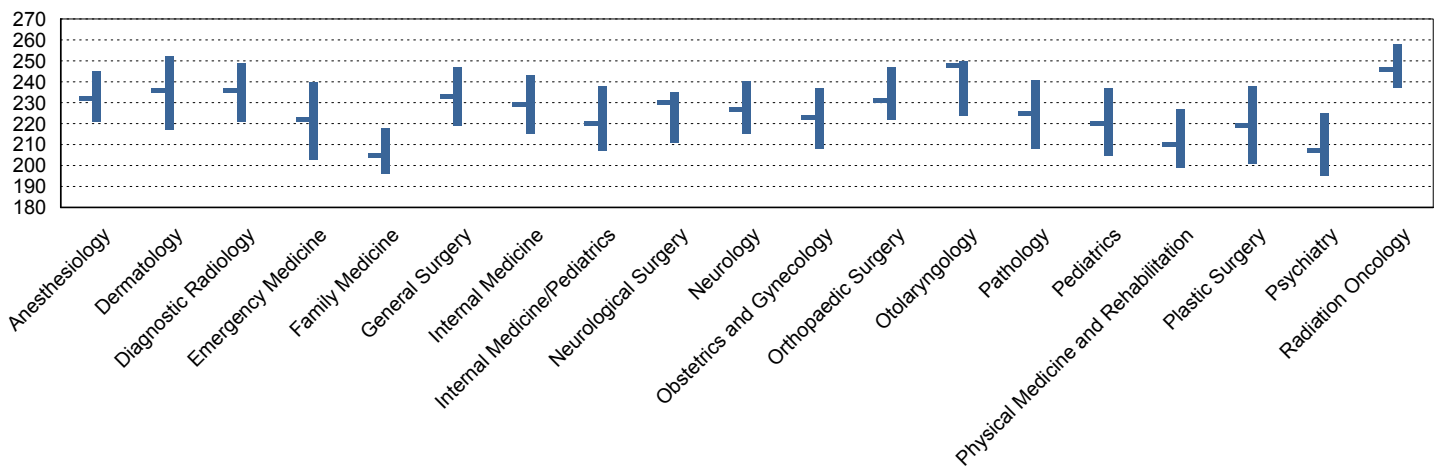
Chart 7

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 20 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 234.3 (s.d. = 20.4) and independent applicants had mean scores of 215.9 (s.d. = 20.7), both well above the minimum passing score of 182.

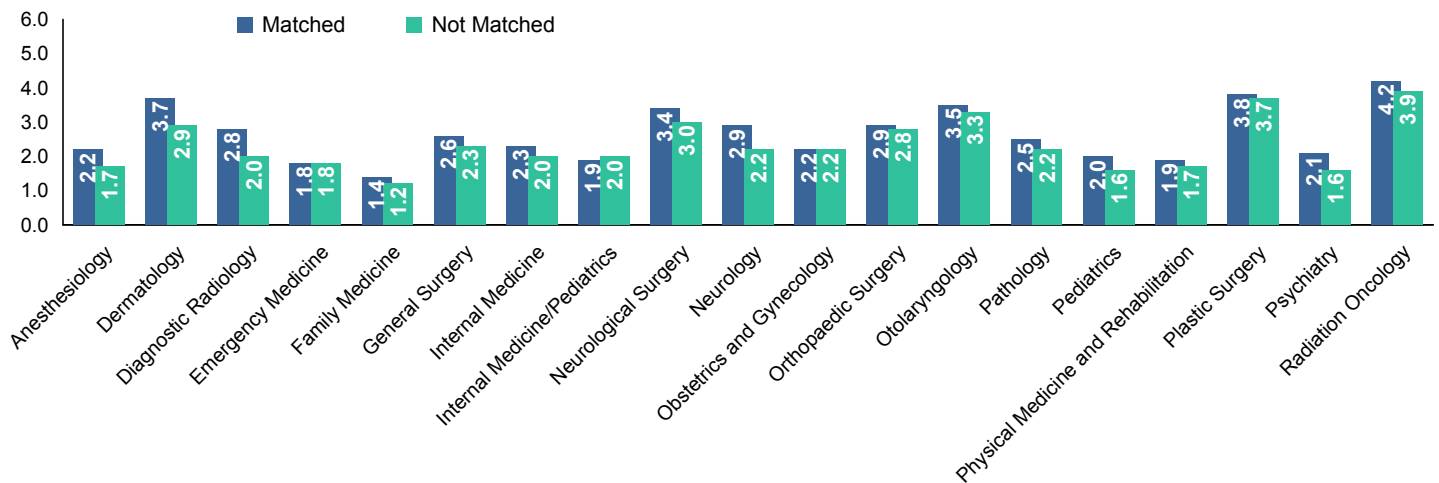
Chart 7 shows the Step 2 scores for matched U.S. seniors (top panel) and independent applicants (bottom panel) who matched by preferred specialty. The horizontal bars are the median values for successful applicants and the vertical lines show the interquartile ranges. As was the case for the Step 1 scores, 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., Otolaryngology, Radiation Oncology) show only minor differences.

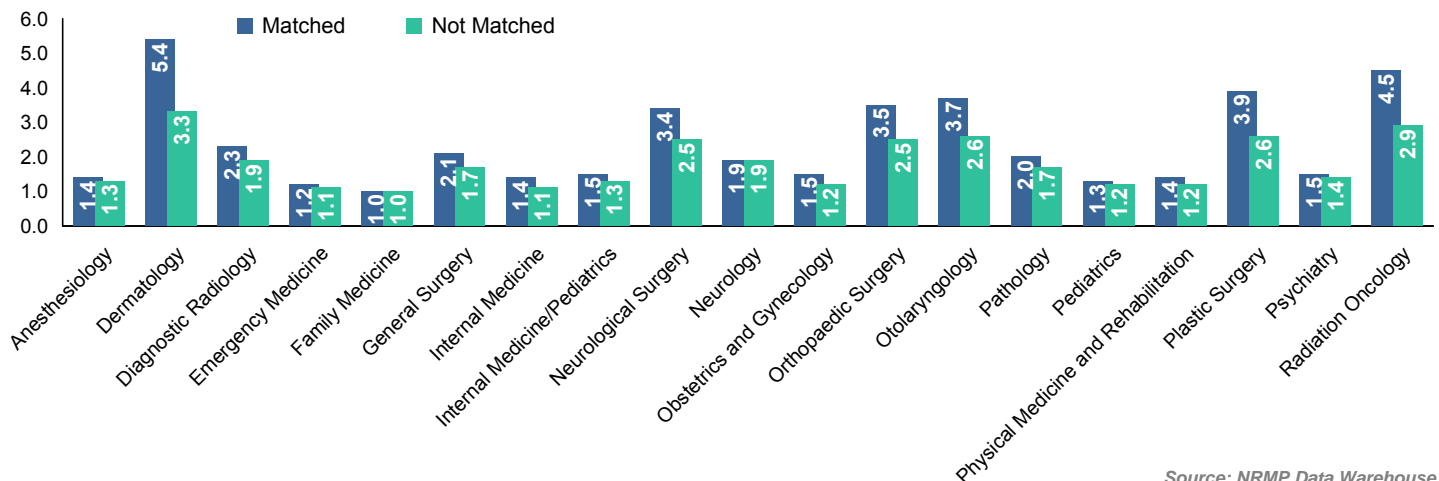
**Chart
8**

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

U.S. Seniors



Independent Applicants



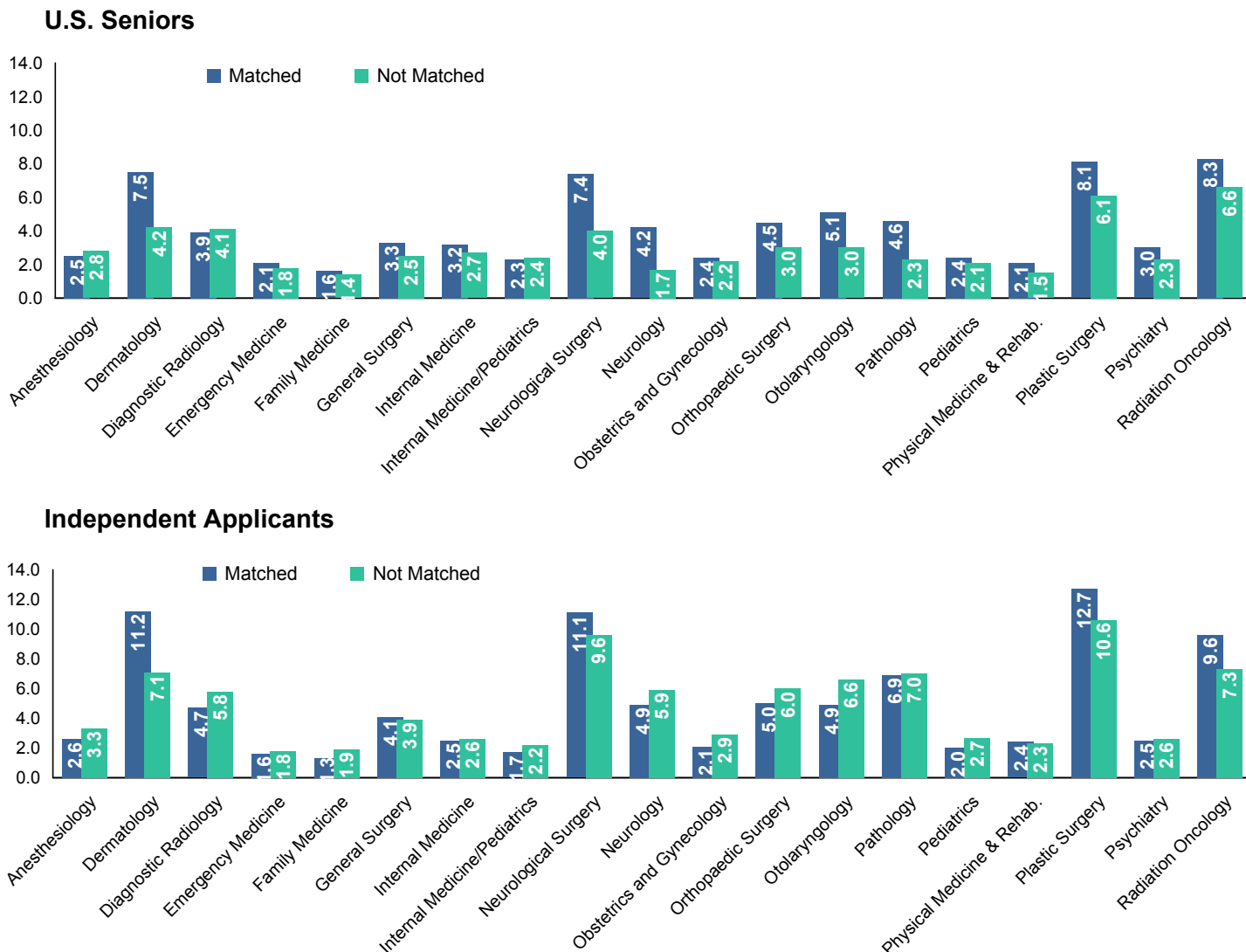
Source: NRMP Data Warehouse

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 2.3 research experiences with 85.0 percent reporting at least one experience. Independent applicants reported, on average, fewer experiences (1.4), and a smaller percentage (62.6%) listed having any research experiences.

Chart 9

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



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, presentations, 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.

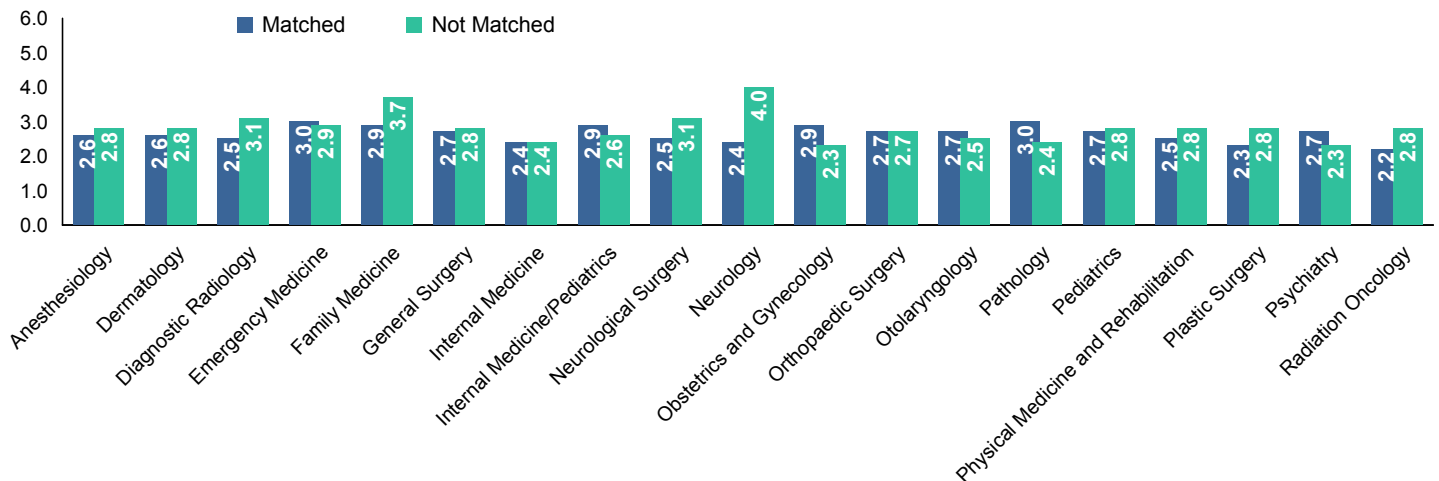
U.S. seniors averaged 3.2 publications with 68.4 percent reporting at least one publication. Independent applicants reported, on average, slightly fewer experiences (3.0); however, a smaller percentage (53.9%) listed any publications.

For some competitive specialties such as Dermatology, Neurological Surgery, Plastic Surgery, and Radiation Oncology, independent applicants reported more publications than U.S. seniors, but this was not true for less competitive specialties like Family Medicine and Pediatrics.

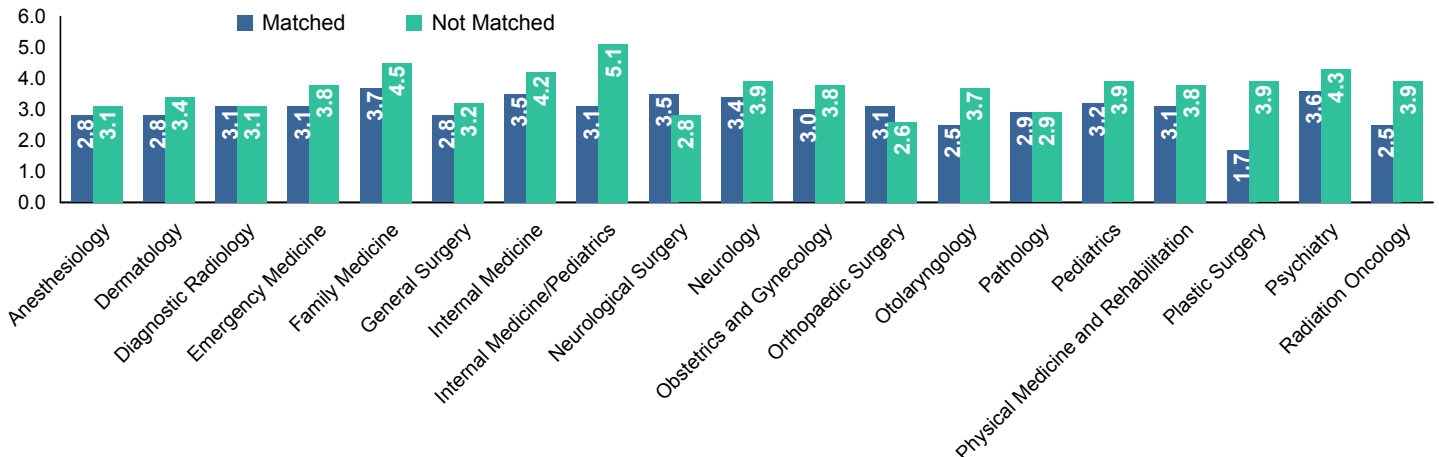
**Chart
10**

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

U.S. Seniors



Independent Applicants

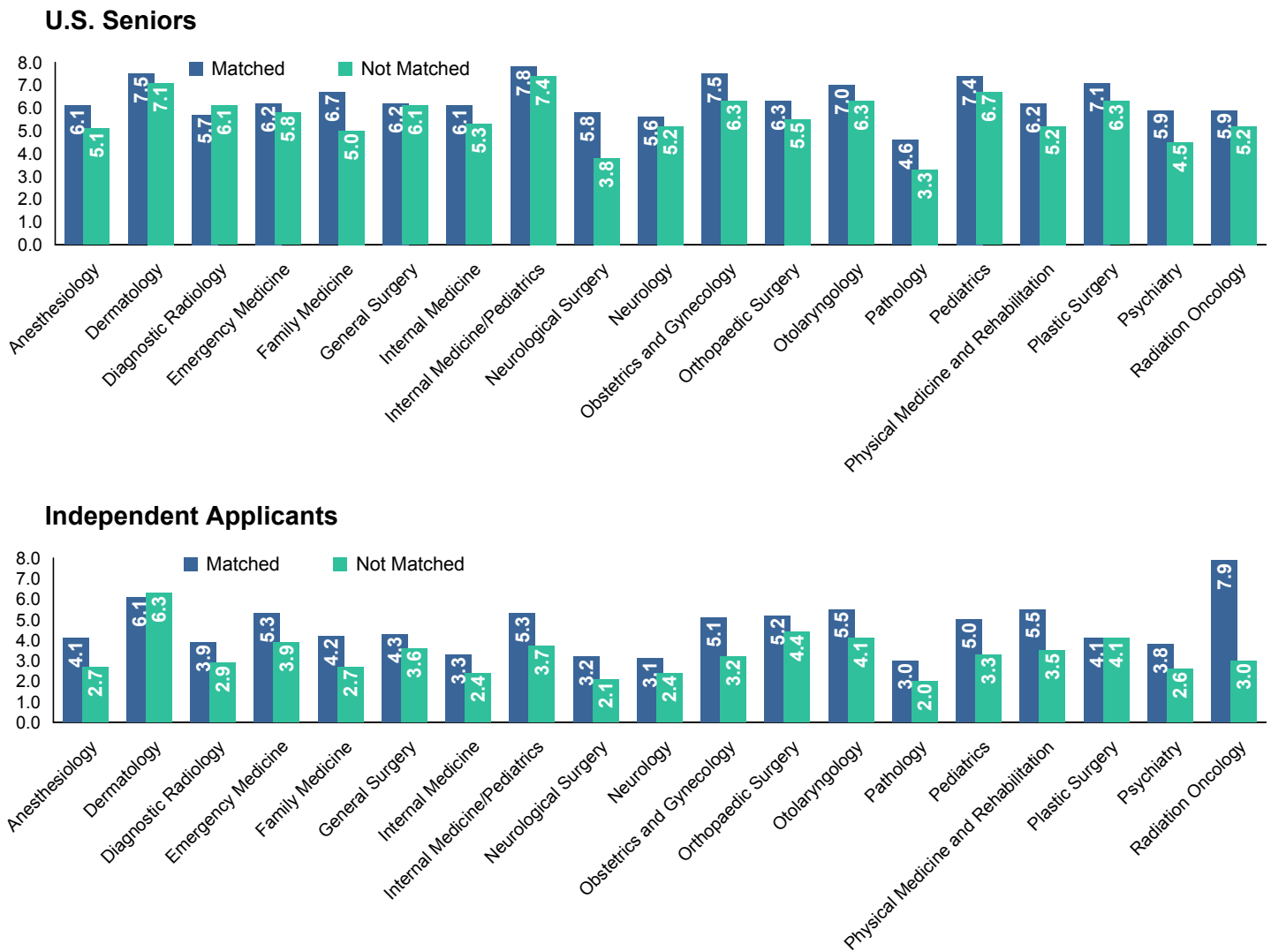


Sources: NRMP Data Warehouse and AAMC Data Warehouse.

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 (3.7 versus 2.7), and a higher proportion of independent applicants (89.0% versus 85.2%) reported at least one work experience.

**Chart
11**

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

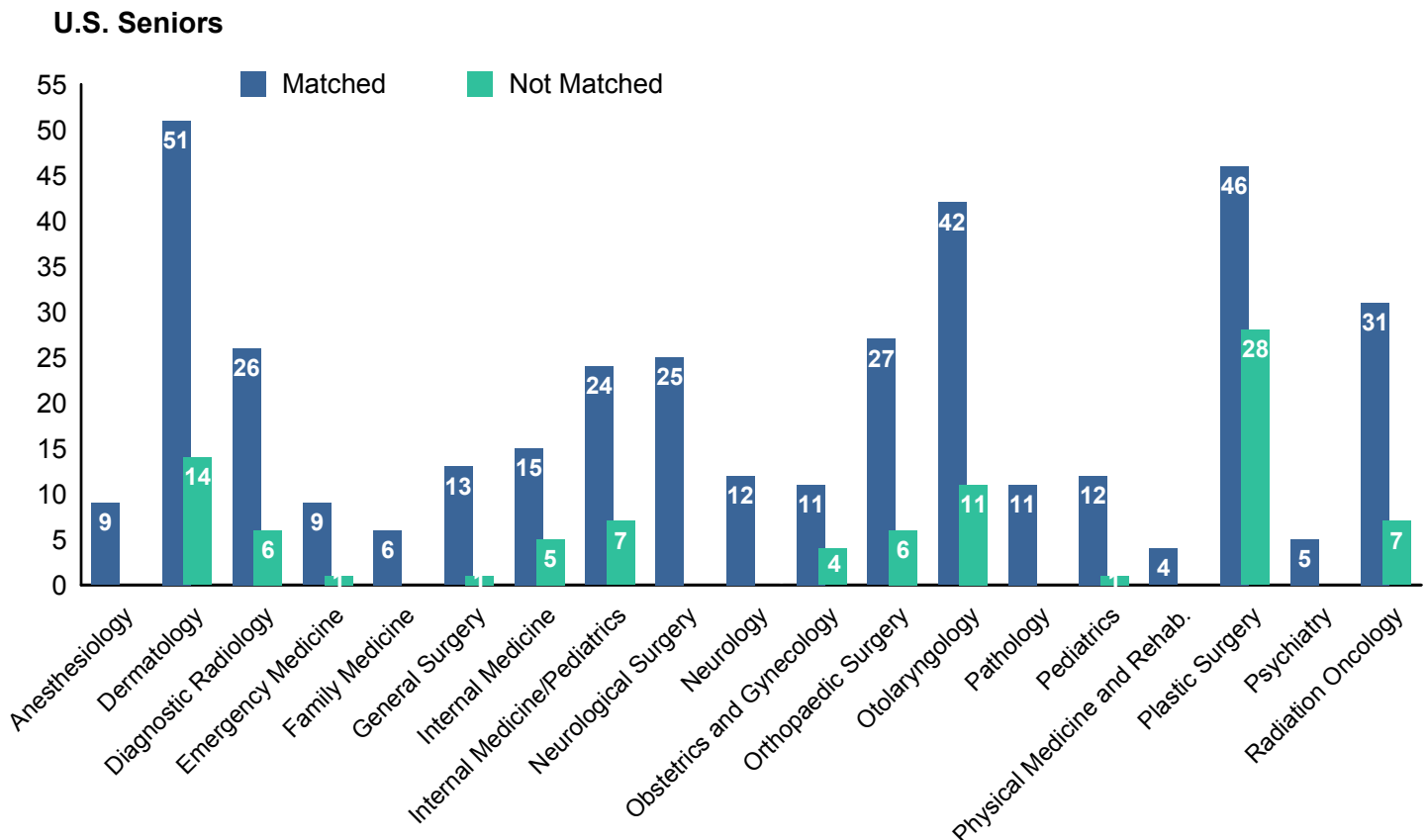


Sources: NRMP Data Warehouse and AAMC Data Warehouse.

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 5.3). 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 (6.4 versus 3.4), and a higher percentage of U.S. seniors (96.6% versus 80.8%) 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.

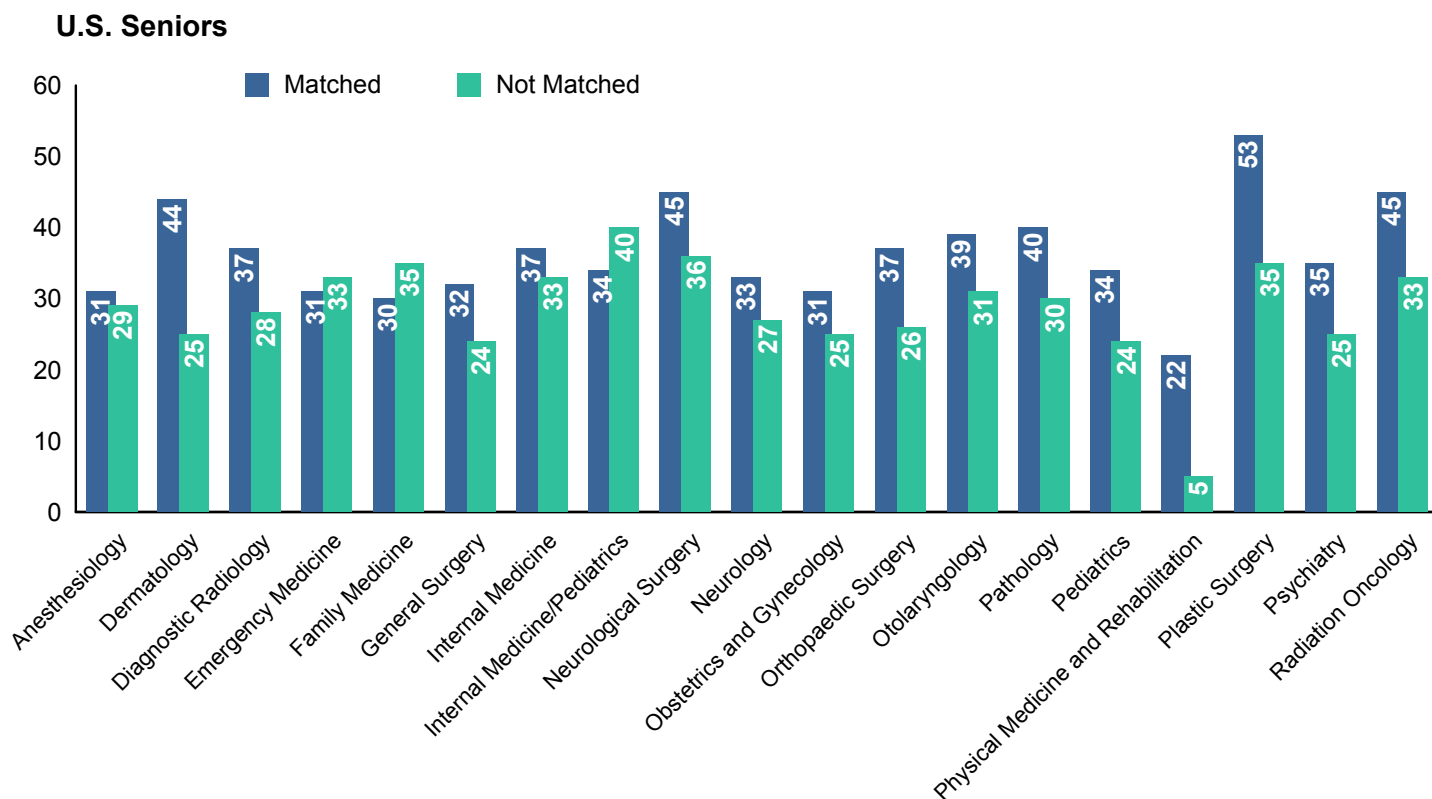
Membership in Alpha Omega Alpha (AOA), the national medical honor society, is an honor reserved for students with high academic achievement. AOA membership is limited to students in medical schools that sponsor an AOA chapter. Most, but not all, allopathic schools in the U.S. and Canada participate, 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, 14.5 percent of U.S. seniors included in this report claimed AOA membership on their ERAS application. Among applicants who matched to their preferred specialty, 15.4 percent reported AOA membership, compared to 6.6 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 \$459 million. The 40 medical schools with the highest NIH funding received \$100 million or more.

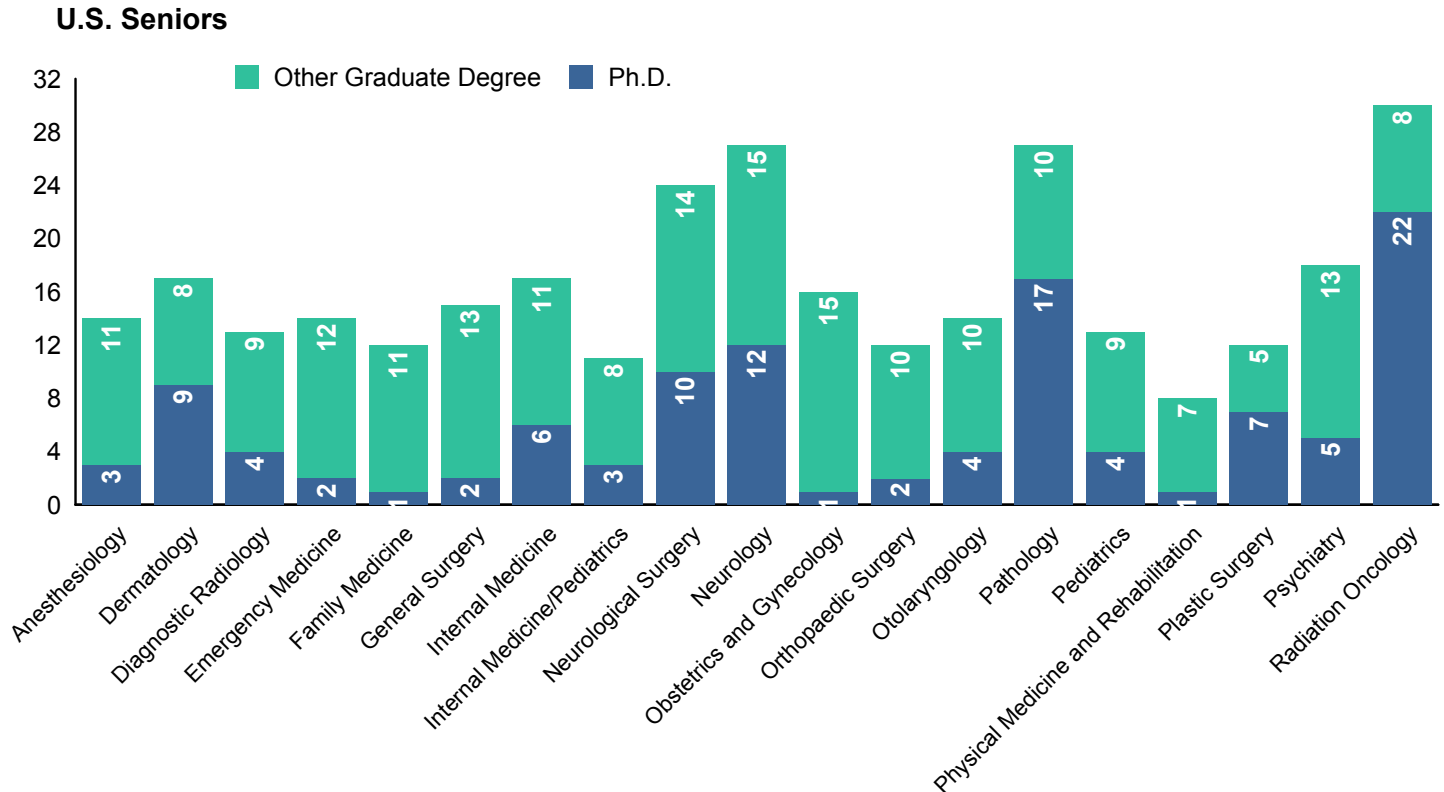
Some program directors may give preference to applicants with research experience or who graduated from a research-intensive medical school. To test this assumption, we obtained data on the amount of NIH grant awards and identified the 40 schools with the highest NIH funding (\$100 million or more). This measure, by definition, is limited to graduates of U.S. medical schools. Overall, 34.6 percent of matched and 30.1 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, 31 percent of U.S. seniors who matched in Anesthesiology were graduates of one of the 40 medical schools with the highest NIH funding and 29 percent of seniors who did not match in Anesthesiology were graduates of those schools.

Plastic Surgery had the highest percentage of matched U.S. seniors who were graduates of a medical school with the highest NIH funding. Dermatology, Neurological Surgery, Pathology, and Radiation Oncology also had higher percentages of matched applicants from those schools compared to the other specialties. For all specialties except Emergency Medicine, Family Medicine, Internal Medicine/Pediatrics and Transitional Year, 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.

**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, Pathology, Neurological Surgery, and Neurology had the highest percentages of matched applicants with Ph.D.s, while Neurology, Obstetrics and Gynecology, Neurological Surgery, Psychiatry, General Surgery, and Emergency Medicine had the highest percentages with other graduate degrees.

AN **Anesthesiology**

Measure	U.S. Seniors		Independent Applicants	
	Matched (n=1,095)	Unmatched (n=41)	Matched (n=242)	Unmatched (n=234)
1. Mean number of contiguous ranks	13.2	3.5	7.7	2.8
2. Mean number of distinct specialties ranked	1.4	2.0	1.4	1.6
3. Mean USMLE Step 1 score	226	203	229	213
4. Mean USMLE Step 2 score	235	209	231	216
5. Mean number of research experiences	2.2	1.7	1.4	1.3
6. Mean number of abstracts, presentations, and publications	2.5	2.8	2.6	3.3
7. Mean number of work experiences	2.6	2.8	2.8	3.1
8. Mean number of volunteer experiences	6.1	5.1	4.1	2.7
9. Percentage who are AOA members	8.9	0.0	n/a	n/a
10. Percentage who graduated from one of the 40 U.S. medical schools with the highest NIH funding	31.4	29.3	n/a	n/a
11. Percentage who have Ph.D. degree	3.5	7.3	n/a	n/a
12. Percentage who have another graduate degree	10.8	14.6	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.

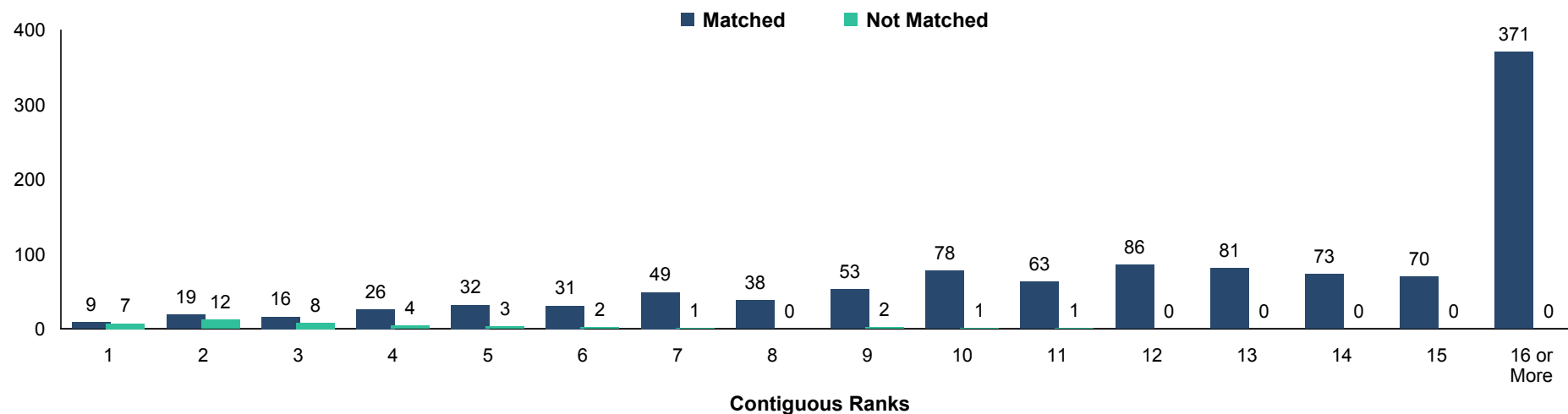
Sources: Measures 1, 2, and match outcome are from the NRMP Data Warehouse; measures 3 and 4 are from the AAMC Data Warehouse and from the ECFMG, both by permission of the NBME and ECFMG; measures 5-9 are from the AAMC Data Warehouse; measure 10 is from the NIH website (<http://report.nih.gov/award/trends/AggregateDate.cfm> 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 20 percent of U.S. allopathic medical school seniors do not take the USMLE Step 2 prior to the Match.

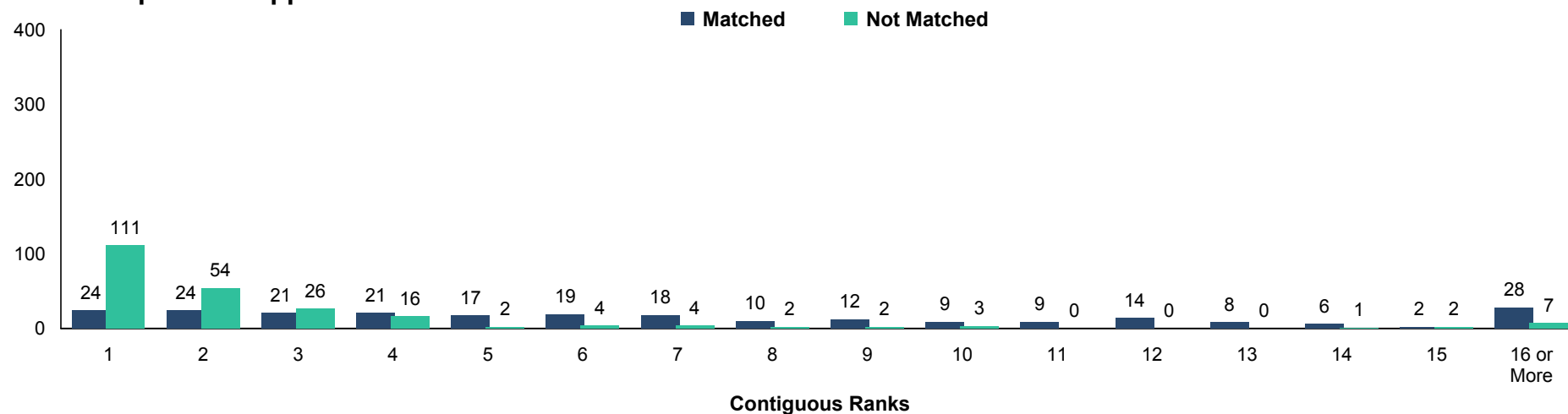
**Chart
AN-1**

Number of Contiguous Ranks Within Preferred Specialty *Anesthesiology*

U.S. Seniors

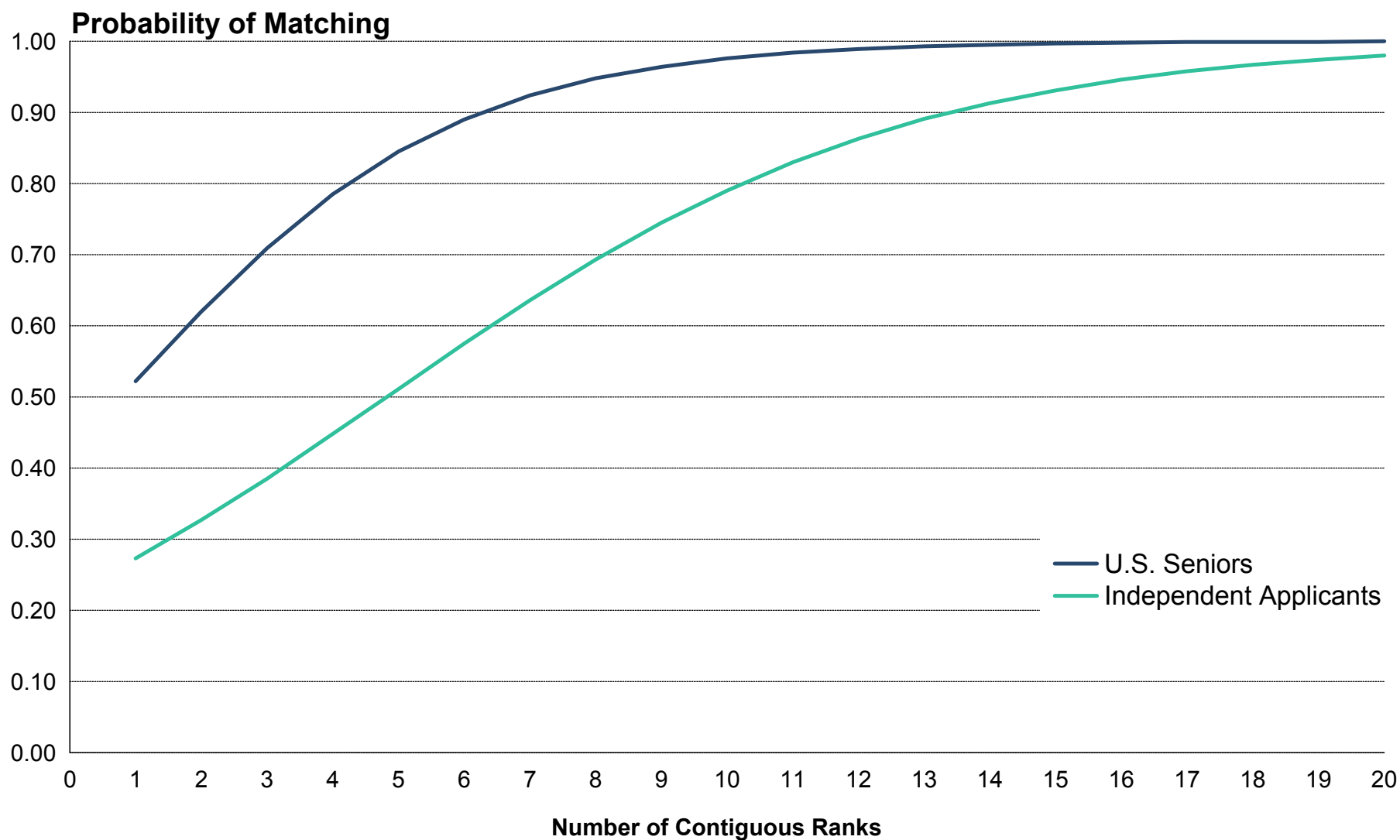


Independent Applicants



Source: NRMP Data Warehouse

Probability of Matching to Preferred Specialty by Number of Contiguous Ranks *Anesthesiology*

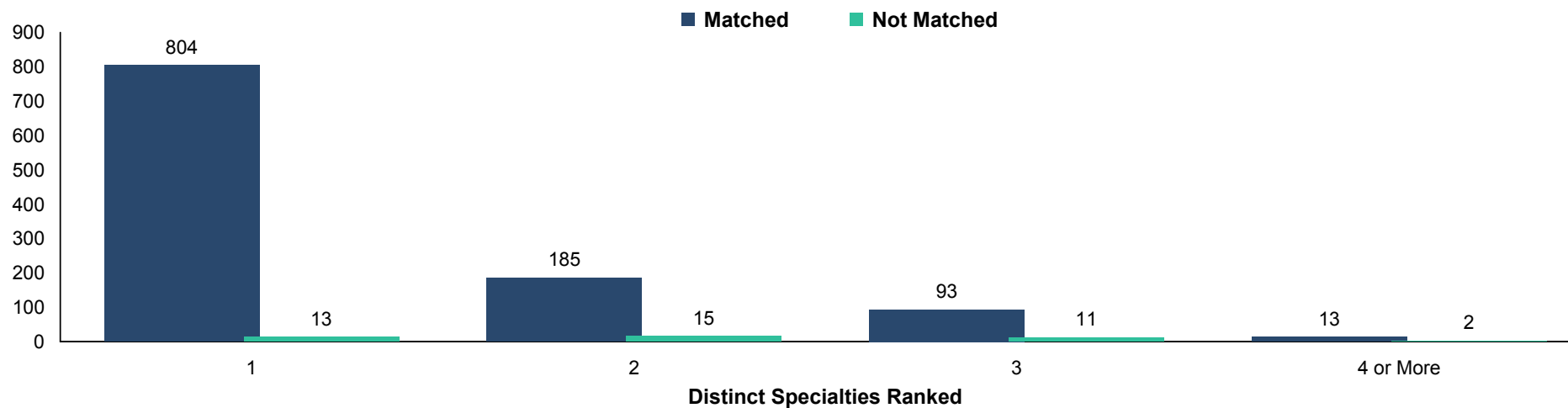


Source: NRMP Data Warehouse. Note: Probabilities calculated based on 2009-2011 applicants

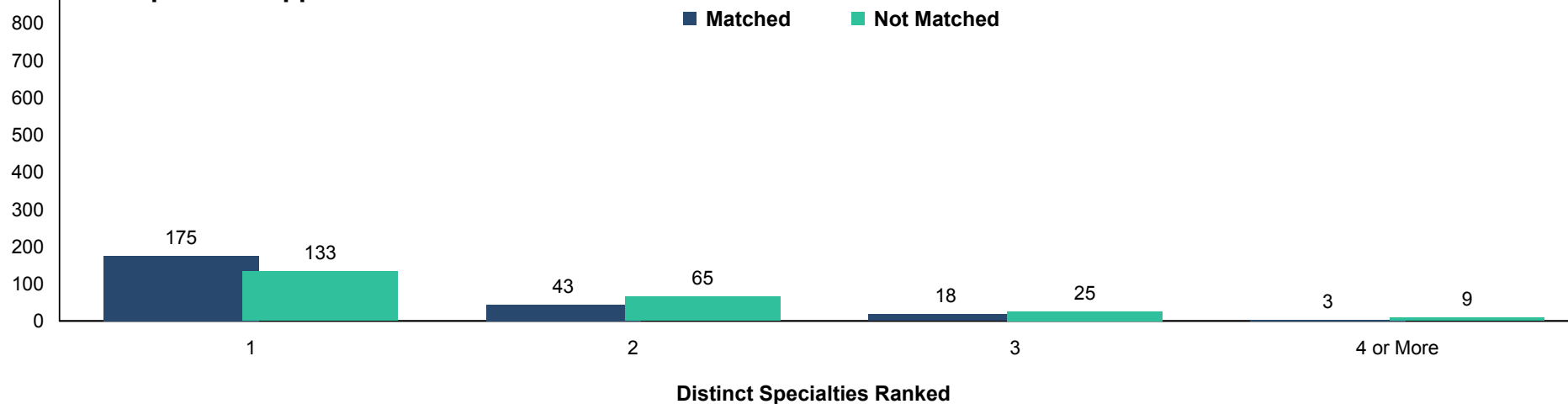
**Chart
AN-2**

Number of Distinct Specialties Ranked *Anesthesiology*

U.S. Seniors



Independent Applicants

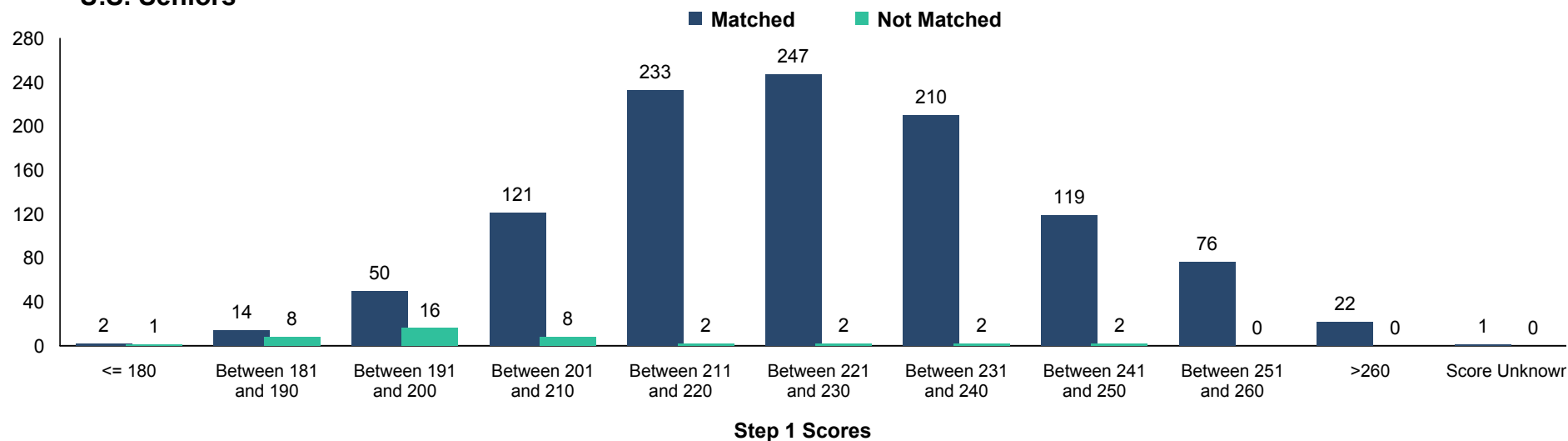


Source: NRMP Data Warehouse

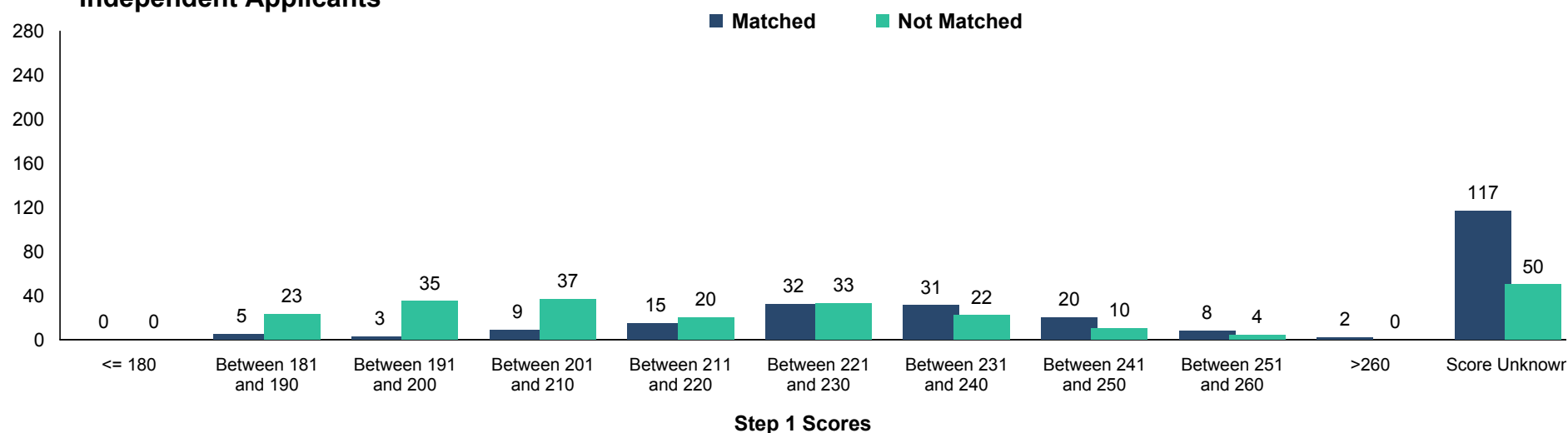
Chart AN-3

USMLE Step 1 Scores Anesthesiology

U.S. Seniors

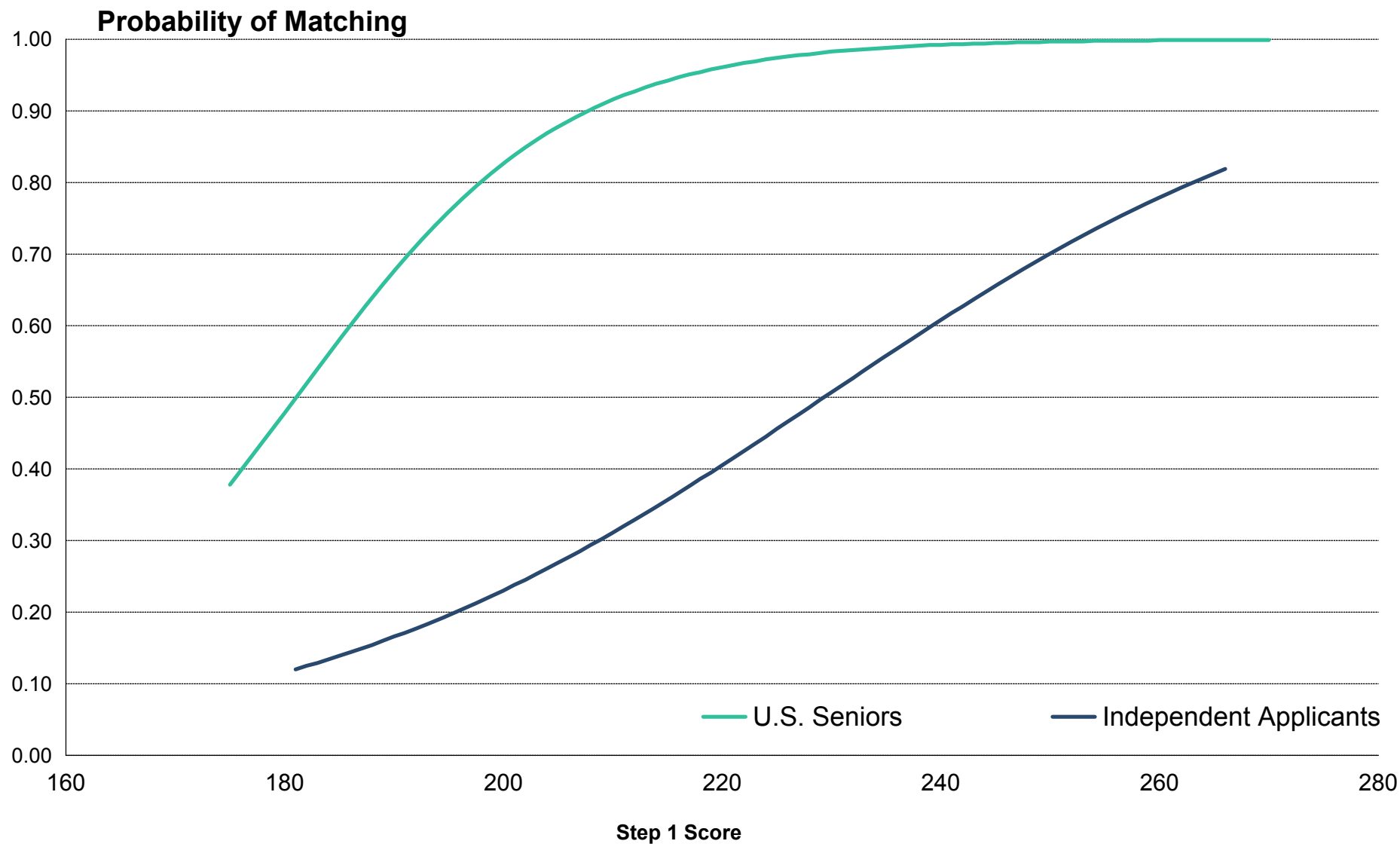


Independent Applicants



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

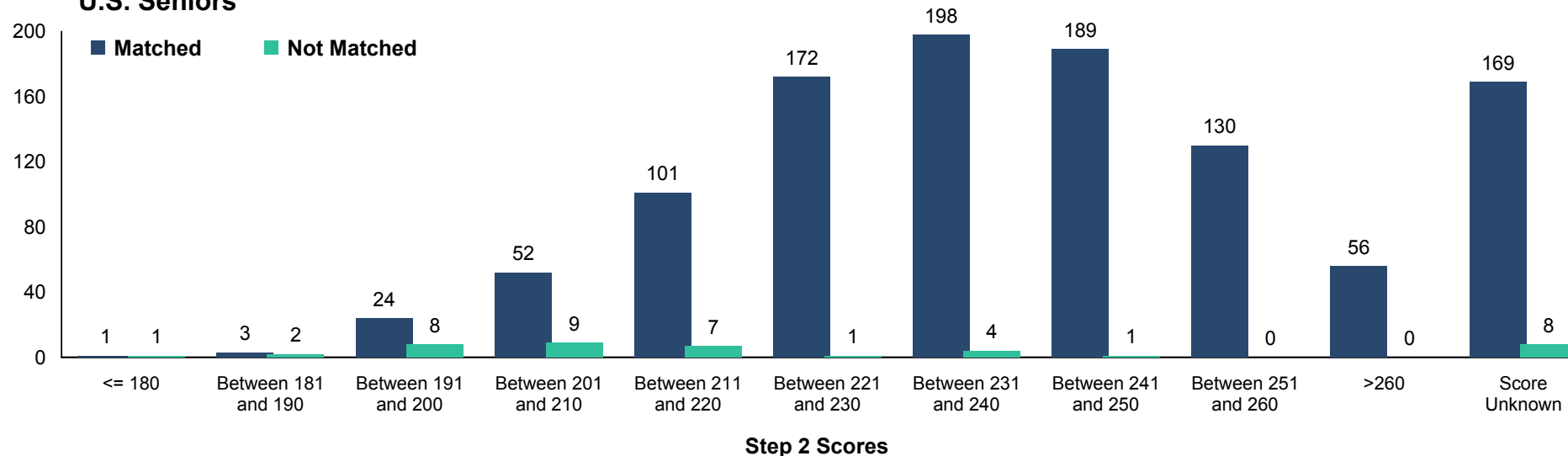


Source: NRMP Data Warehouse and AAMC Data Warehouse. USMLE scores by permission of the NBME and ECFMG. Note: Probabilities calculated based on 2009-2011 applicants.

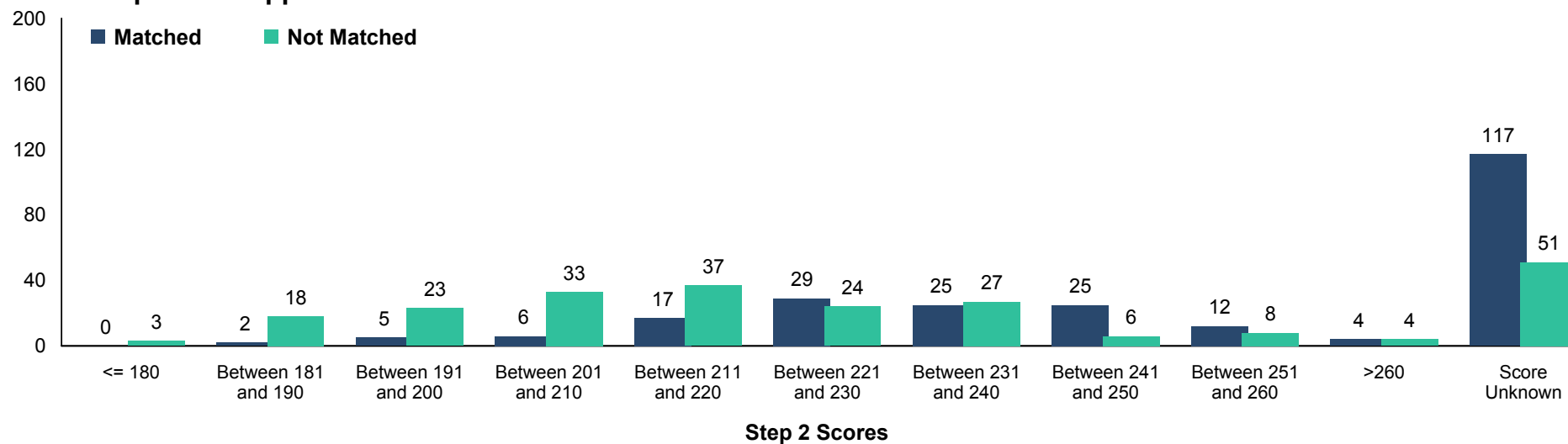
Chart AN-4

USMLE Step 2 Scores *Anesthesiology*

U.S. Seniors



Independent Applicants

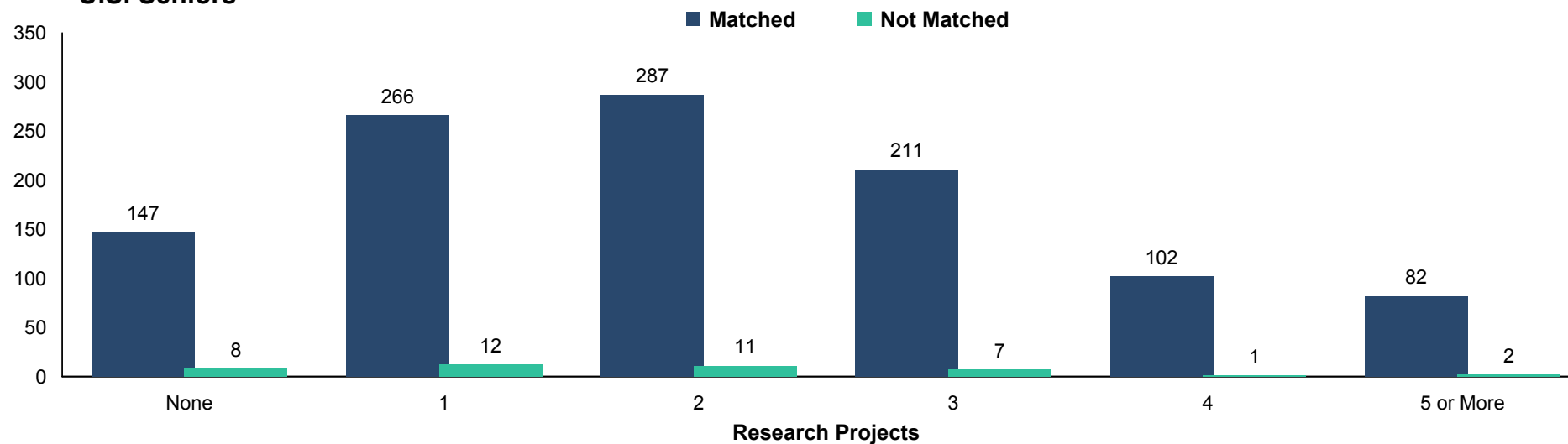


Source: NRMP Data Warehouse and AAMC Data Warehouse. USMLE scores by permission of the NBME and ECFMG.

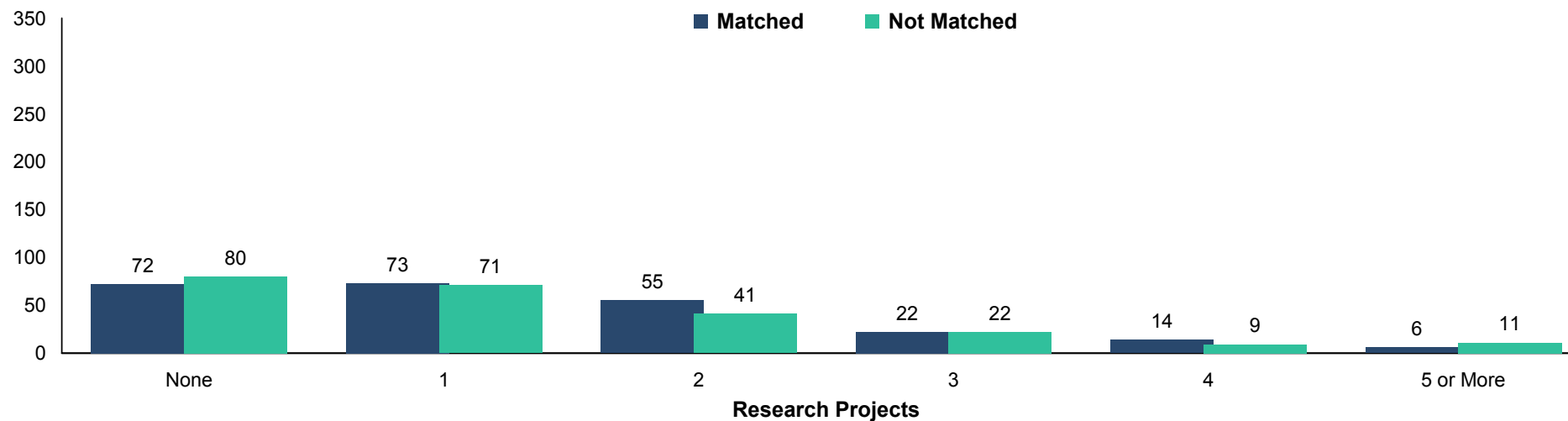
**Chart
AN-5**

Number of Research Projects *Anesthesiology*

U.S. Seniors



Independent Applicants

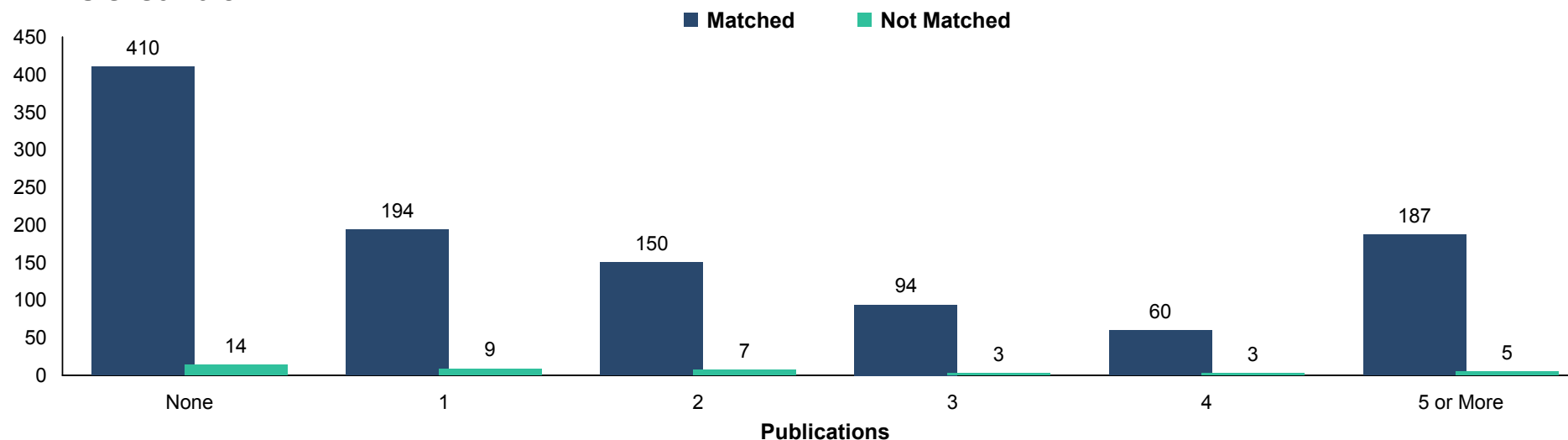


Source: NRMP Data Warehouse and AAMC Data Warehouse

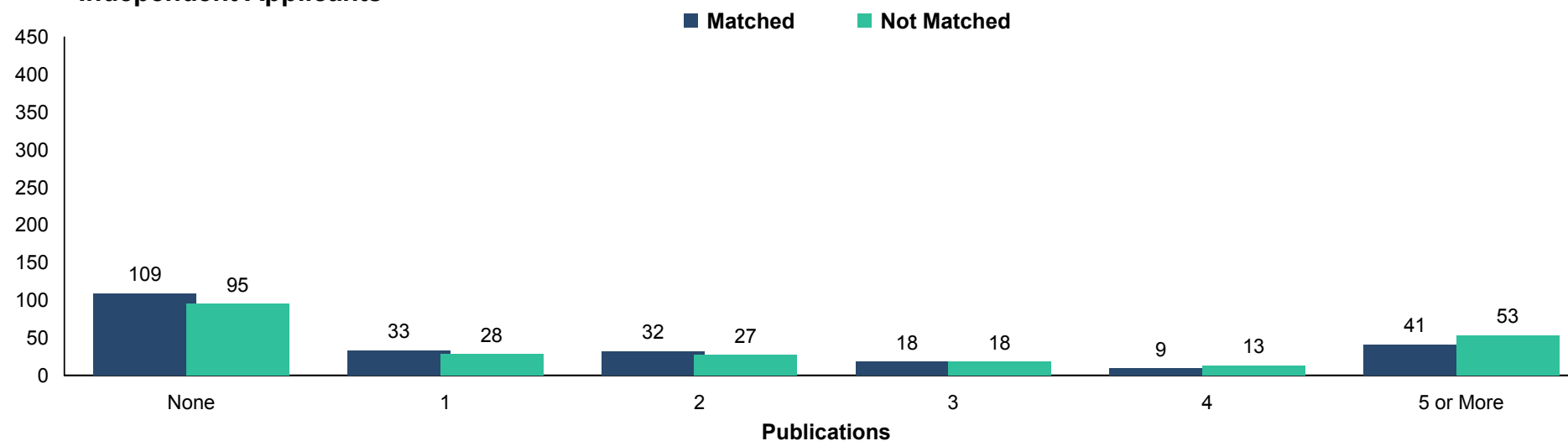
**Chart
AN-6**

Number of Abstracts, Presentations, and Publications *Anesthesiology*

U.S. Seniors



Independent Applicants



Source: NRMP Data Warehouse and AAMC Data Warehouse

**Chart
AN-7**

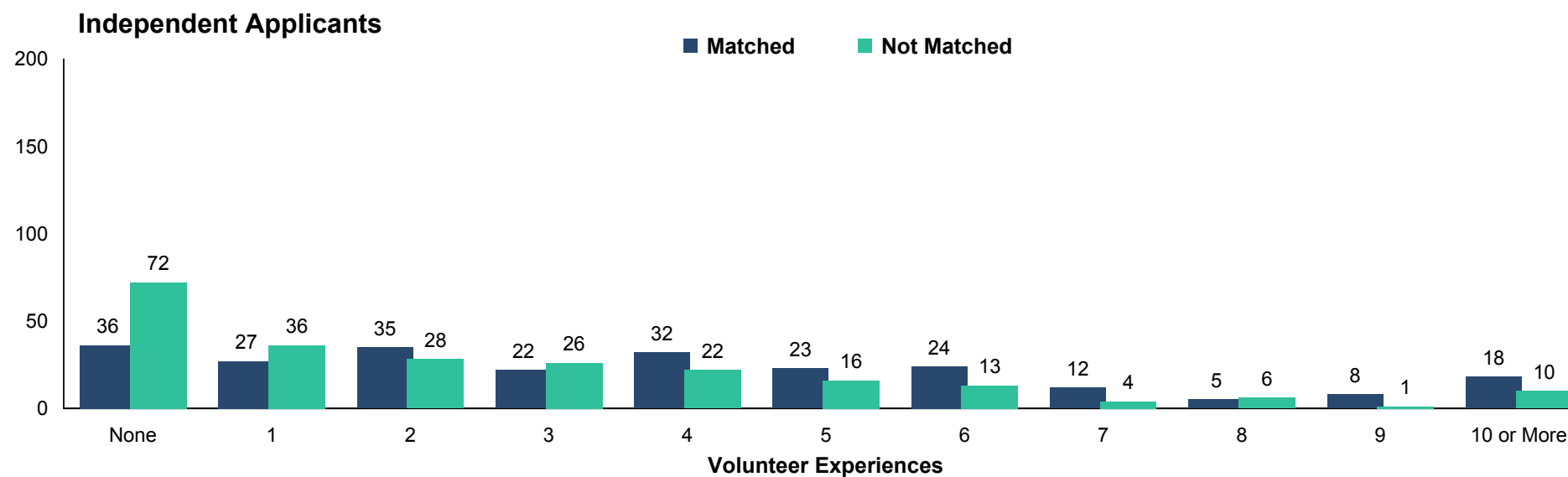
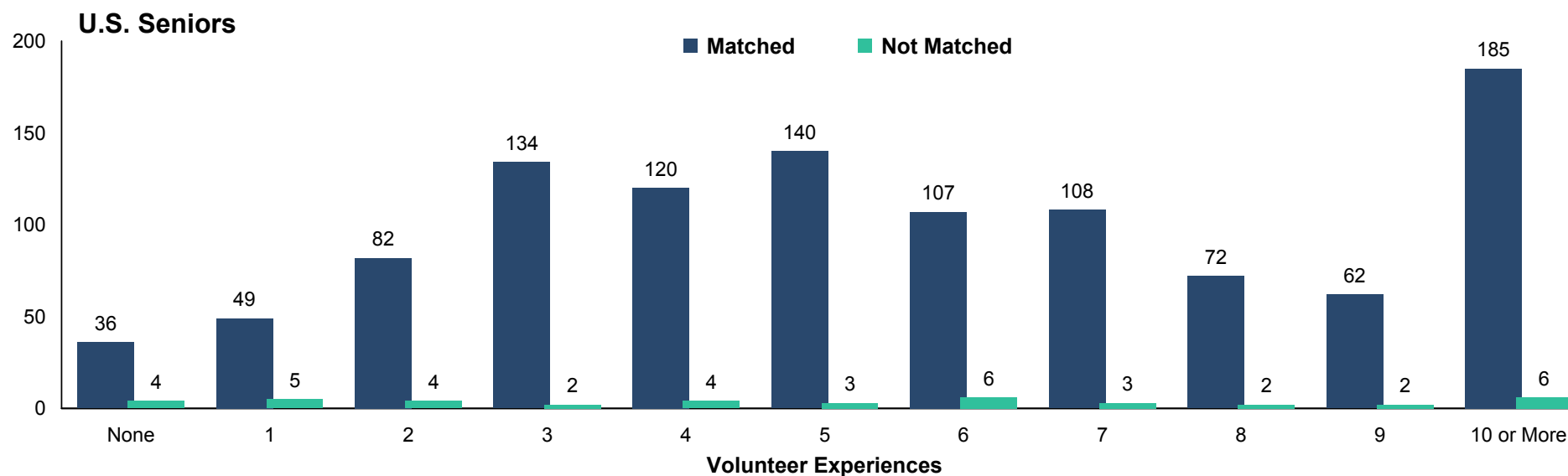
**Number of Work Experiences
*Anesthesiology***



Source: NRMP Data Warehouse and AAMC Data Warehouse

**Chart
AN-8**

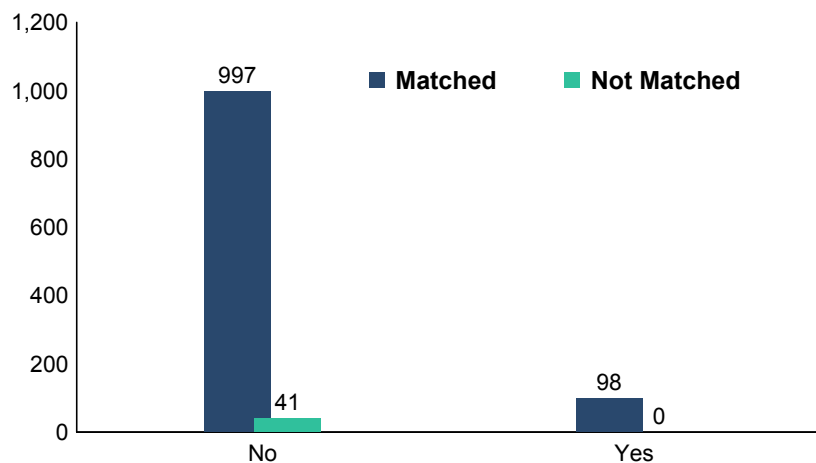
Number of Volunteer Experiences *Anesthesiology*



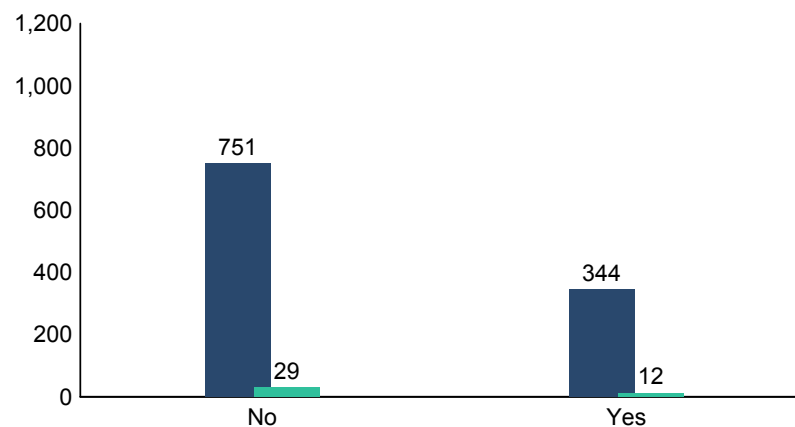
Source: NRMP Data Warehouse and AAMC Data Warehouse

Other Characteristics of U.S. Seniors *Anesthesiology*

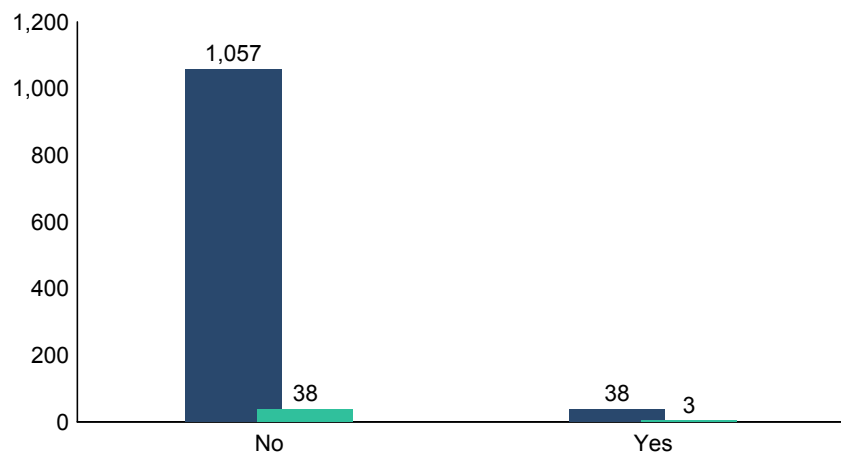
AOA Membership



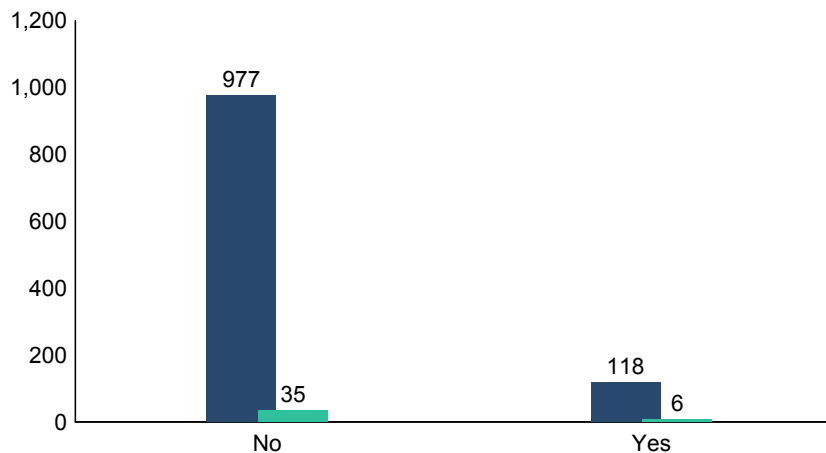
Graduate of One of the 40 U.S. Medical Schools with the Highest NIH Funding



Ph.D. Degree



Other Graduate Degree



Source: 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

DM **Dermatology**

Measure	U.S. Seniors		Independent Applicants	
	Matched (n=307)	Unmatched (n=80)	Matched (n=56)	Unmatched (n=76)
1. Mean number of contiguous ranks	9.0	3.1	3.9	3.4
2. Mean number of distinct specialties ranked	2.1	2.3	1.3	1.4
3. Mean USMLE Step 1 score	244	227	230	225
4. Mean USMLE Step 2 score	253	234	235	228
5. Mean number of research experiences	3.7	2.9	5.4	3.3
6. Mean number of abstracts, presentations, and publications	7.5	4.2	11.2	7.1
7. Mean number of work experiences	2.6	2.8	2.8	3.4
8. Mean number of volunteer experiences	7.5	7.1	6.1	6.3
9. Percentage who are AOA members	50.8	13.8	n/a	n/a
10. Percentage who graduated from one of the 40 U.S. medical schools with the highest NIH funding	43.6	25.0	n/a	n/a
11. Percentage who have Ph.D. degree	9.1	6.3	n/a	n/a
12. Percentage who have another graduate degree	8.1	13.8	n/a	n/a

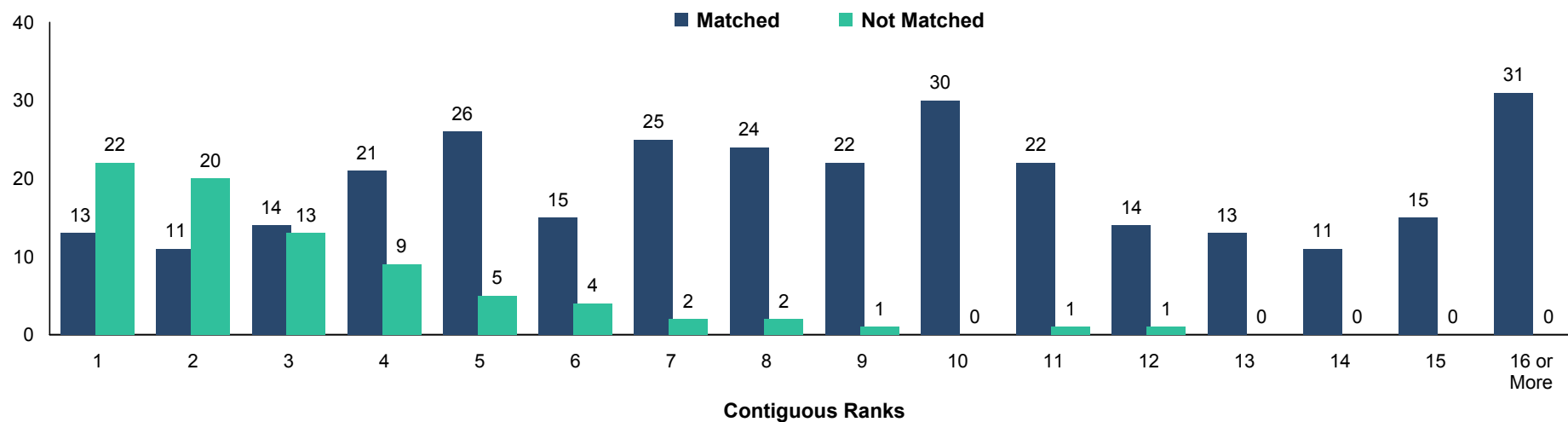
n/a: The measure either does not apply to, applies to only a small percentage of, or no reliable data were available for independent applicants.

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.

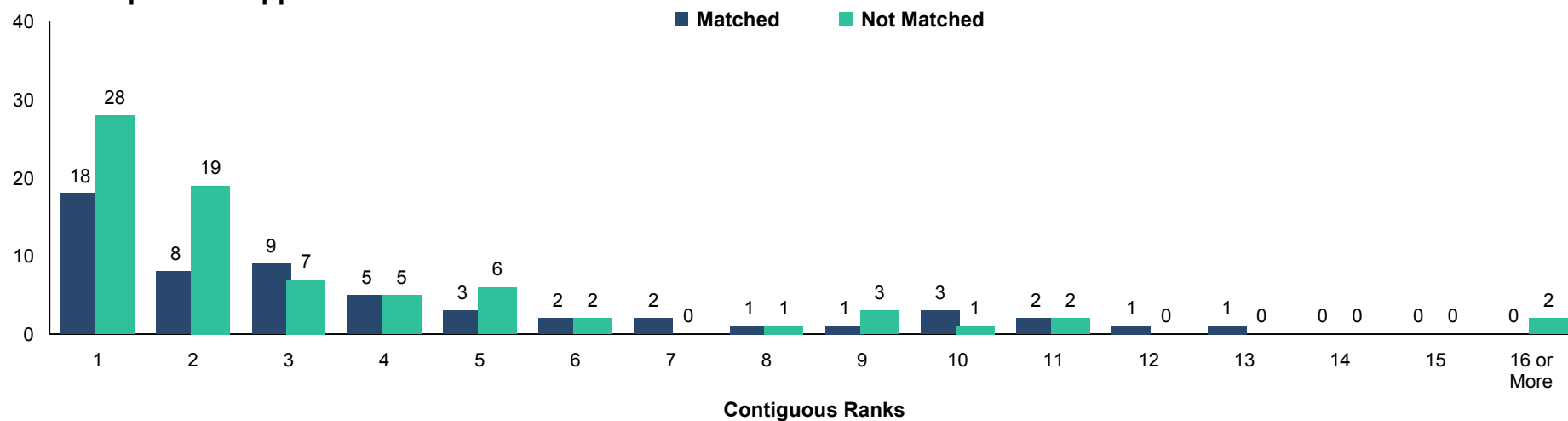
Note: USMLE Step 1 scores are not available for most osteopathic medical school graduates included in the independent applicant group. Approximately 20 percent of U.S. allopathic medical school seniors do not take the USMLE Step 2 prior to the Match.

Number of Contiguous Ranks Within Preferred Specialty *Dermatology*

U.S. Seniors

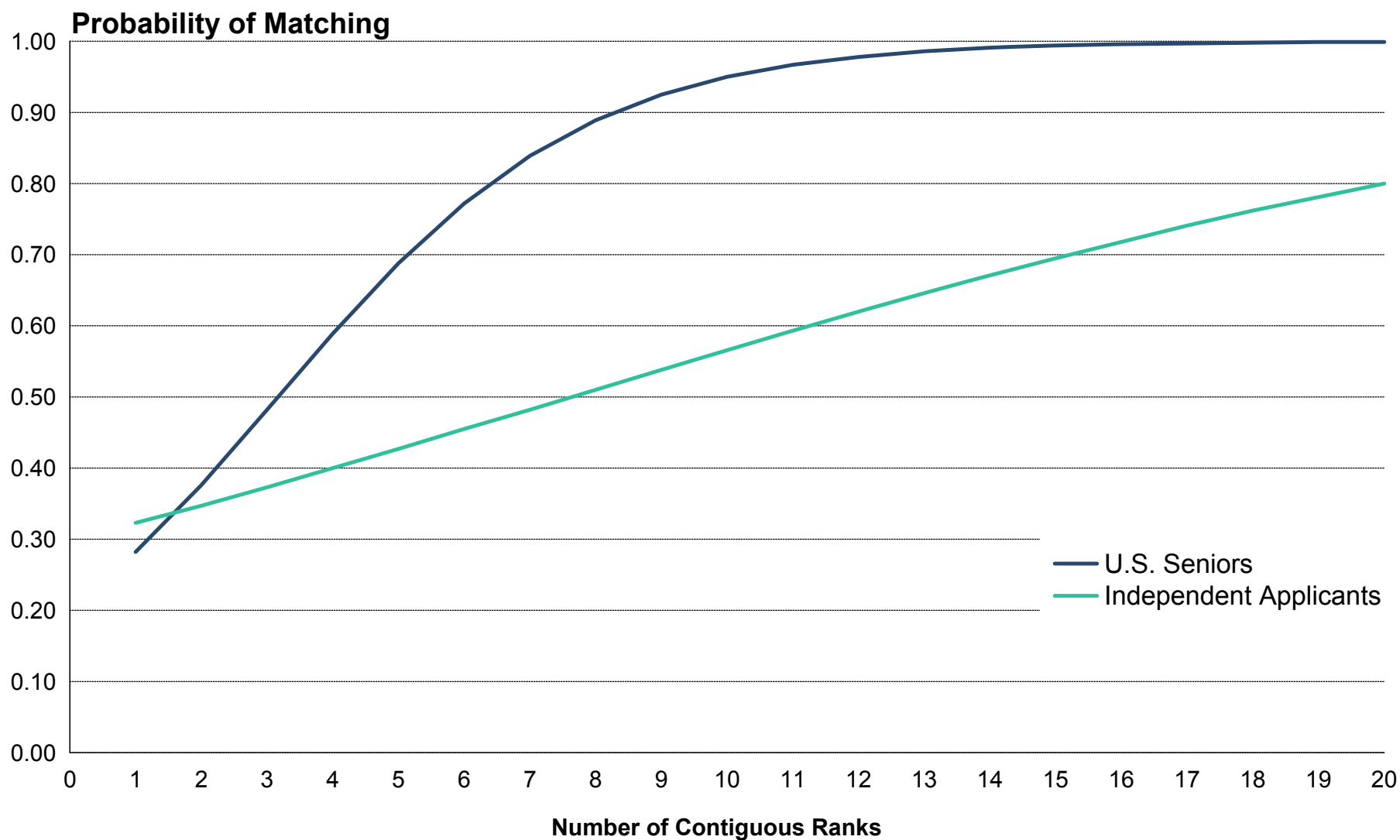


Independent Applicants



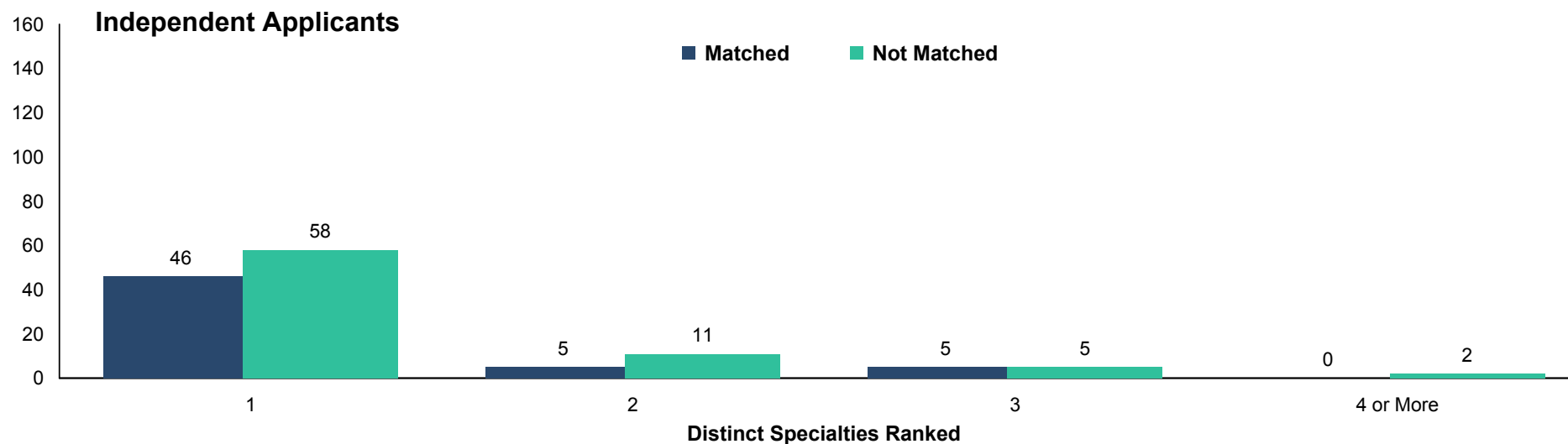
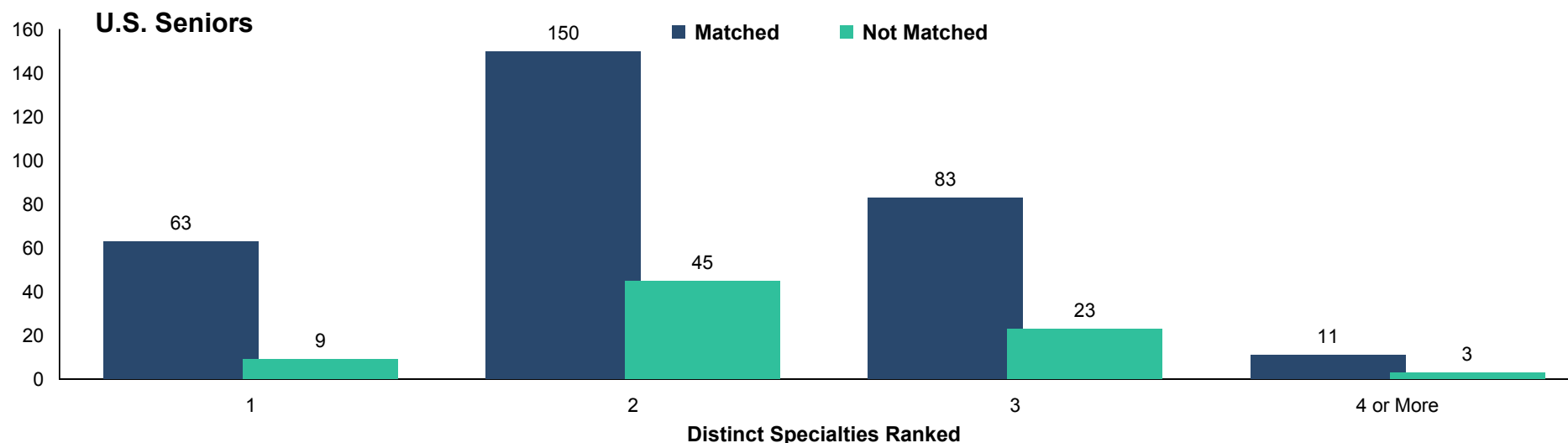
Source: NRMP Data Warehouse

Probability of Matching to Preferred Specialty by Number of Contiguous Ranks *Dermatology*



Source: NRMP Data Warehouse. Note: Probabilities calculated based on 2009-2011 applicants

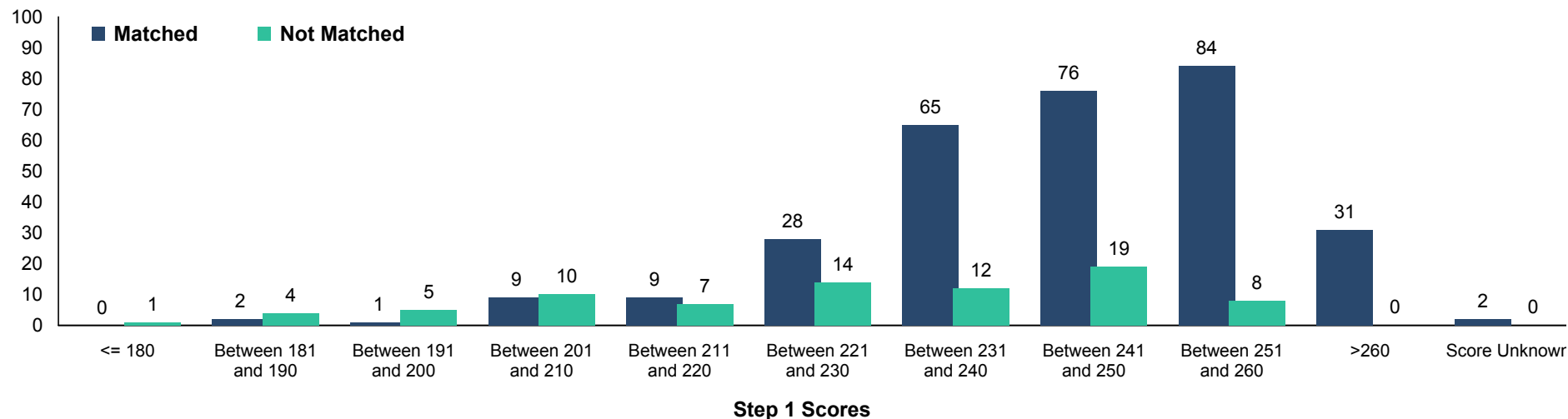
Number of Distinct Specialties Ranked *Dermatology*



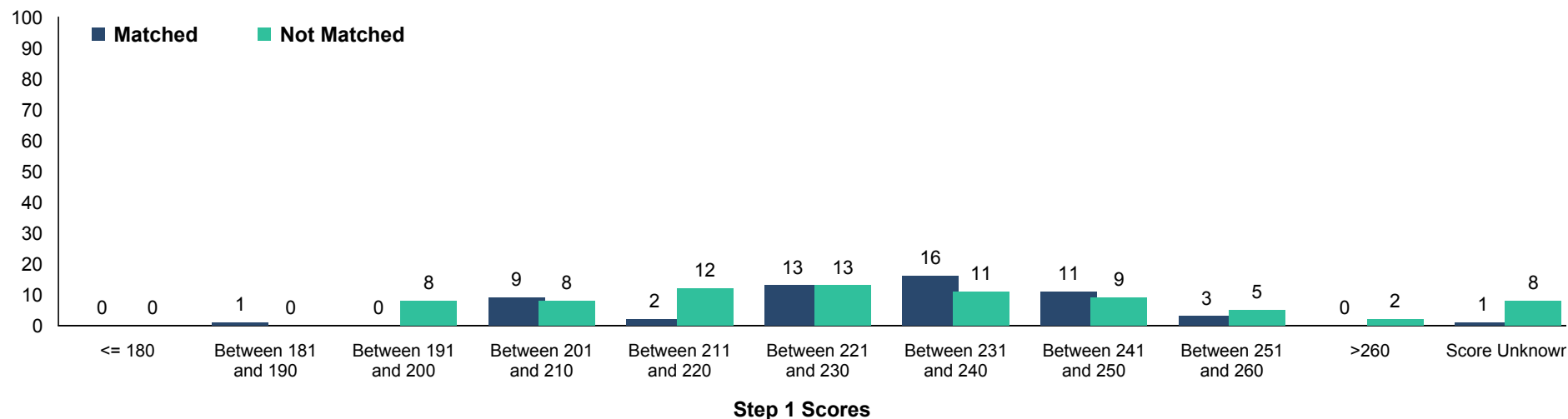
Source: NRMP Data Warehouse

USMLE Step 1 Scores Dermatology

U.S. Seniors

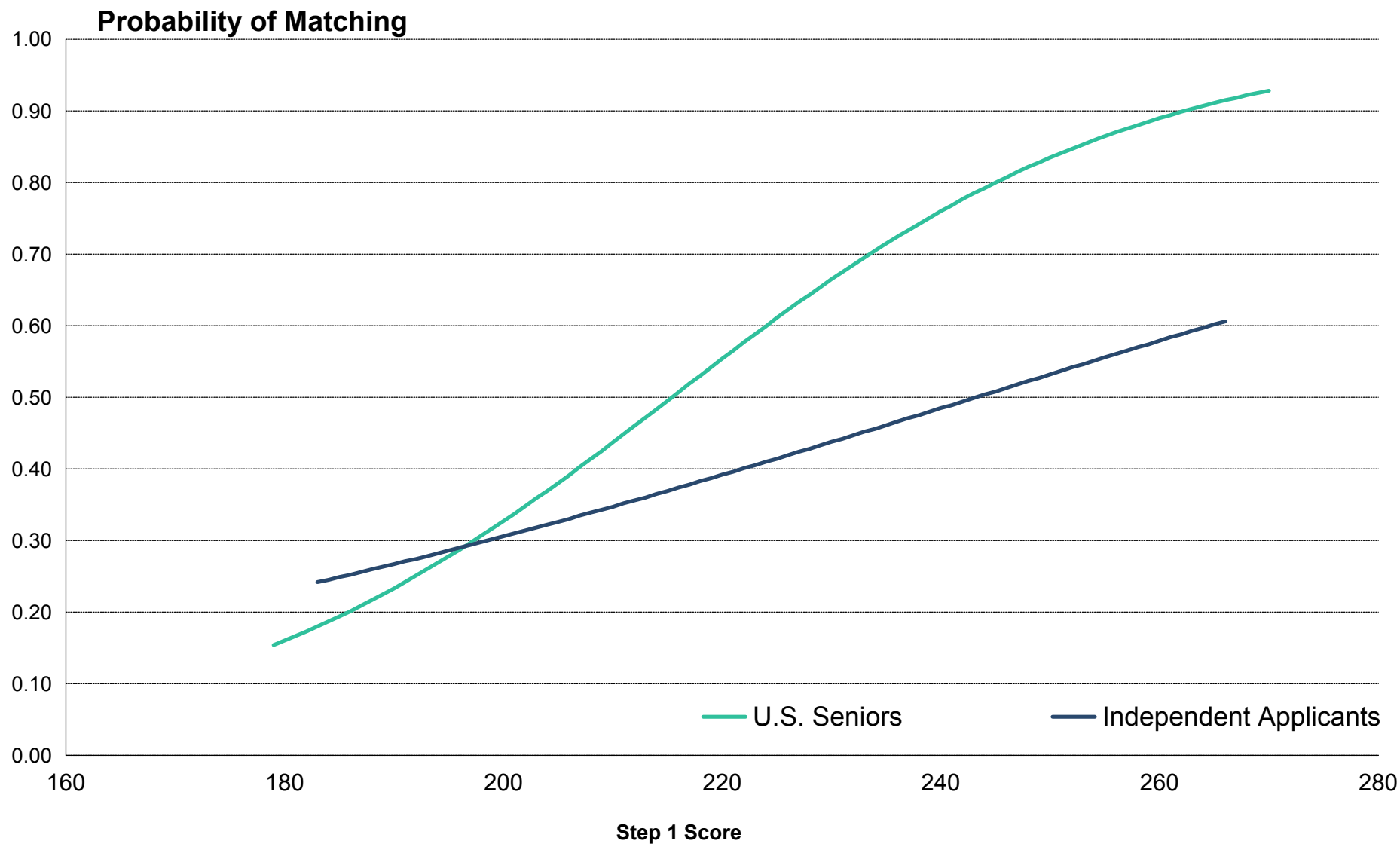


Independent Applicants



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

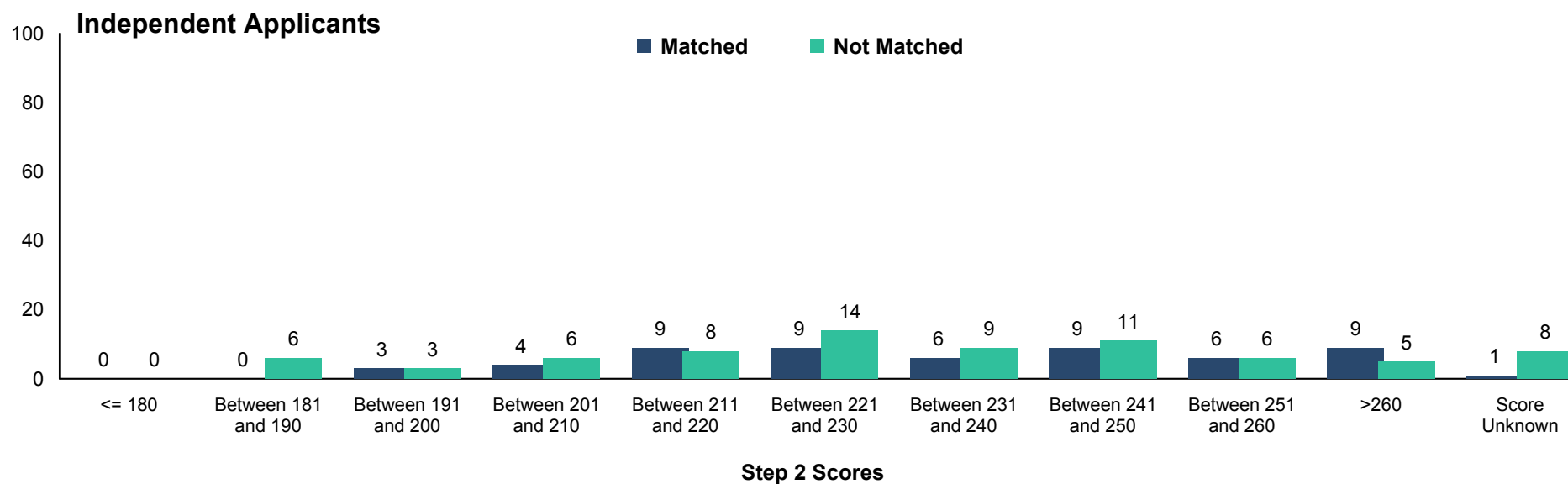
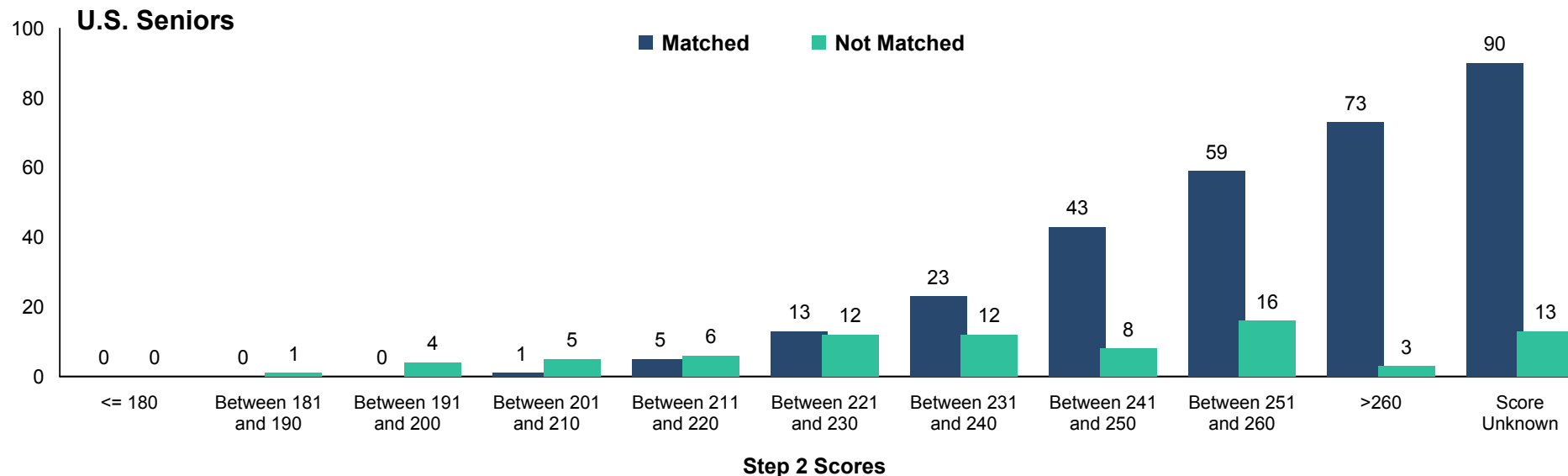
Probability of Matching to Preferred Specialty by USMLE Step 1 Score Dermatology



Source: NRMP Data Warehouse and AAMC Data Warehouse. USMLE scores by permission of the NBME and ECFMG. Note: Probabilities calculated based on 2009-2011 applicants.

**Chart
DM-4**

**USMLE Step 2 Scores
Dermatology**

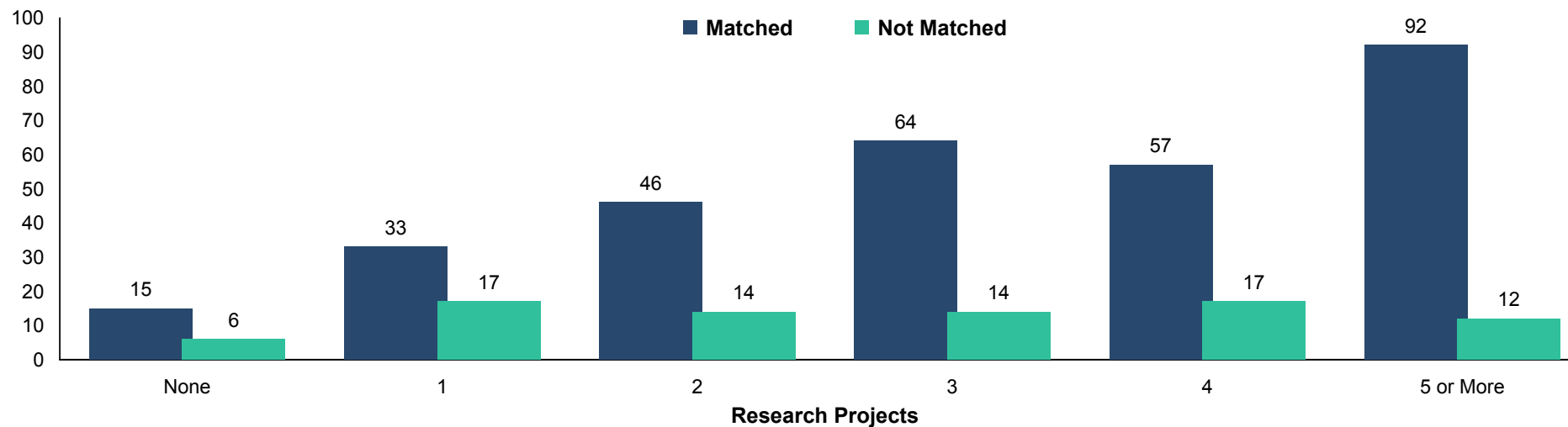


Source: NRMP Data Warehouse and AAMC Data Warehouse. USMLE scores by permission of the NBME and ECFMG.

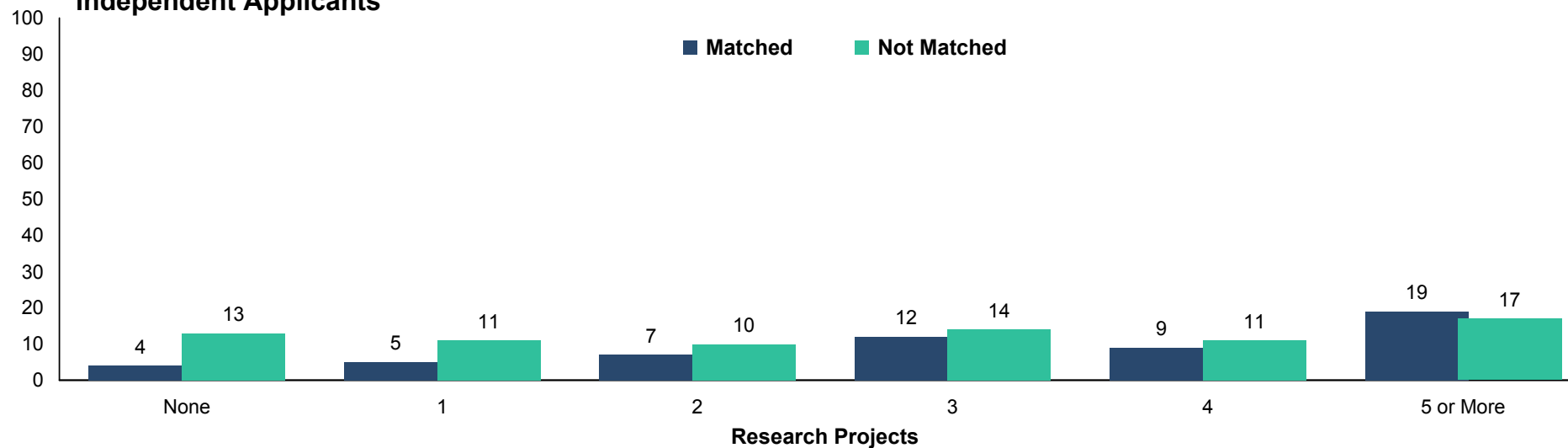
**Chart
DM-5**

Number of Research Projects Dermatology

U.S. Seniors



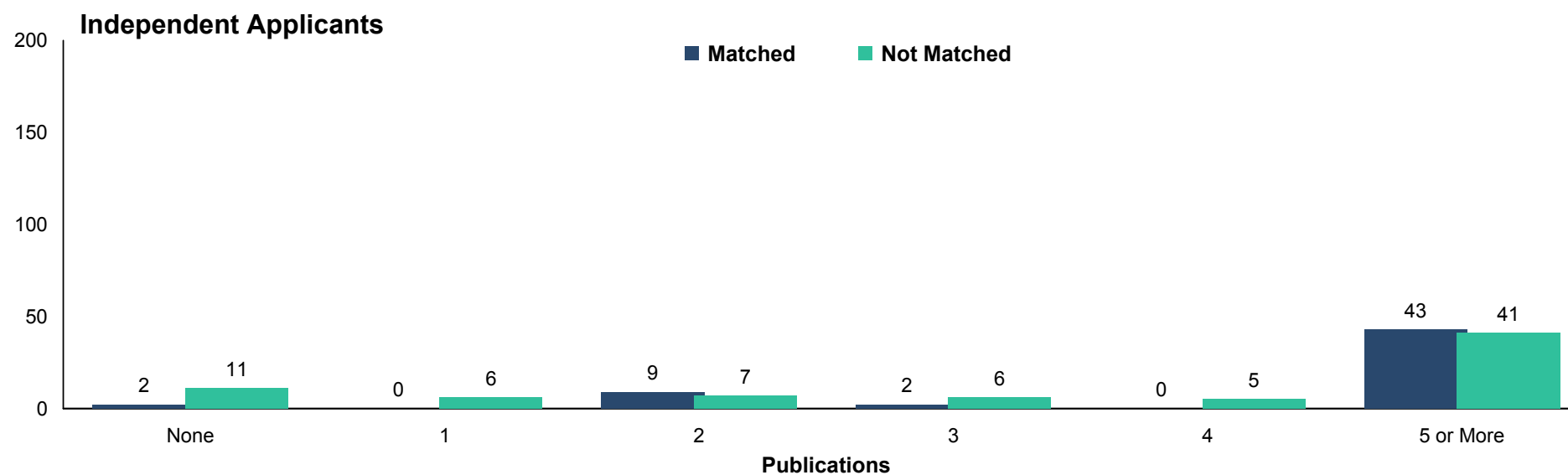
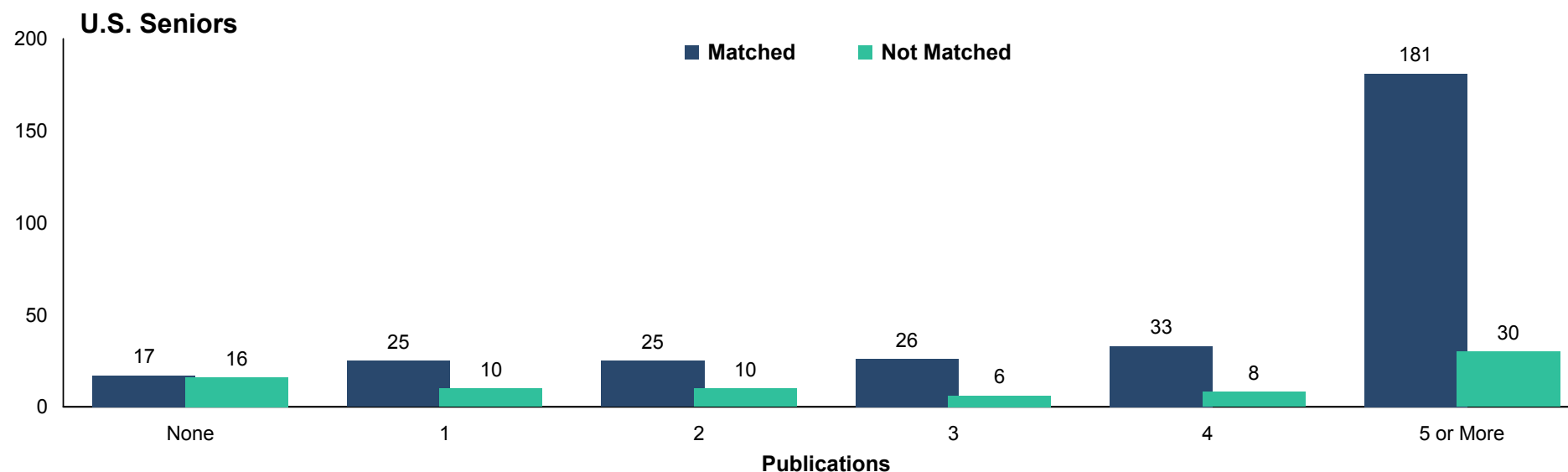
Independent Applicants



Source: NRMP Data Warehouse and AAMC Data Warehouse

**Chart
DM-6**

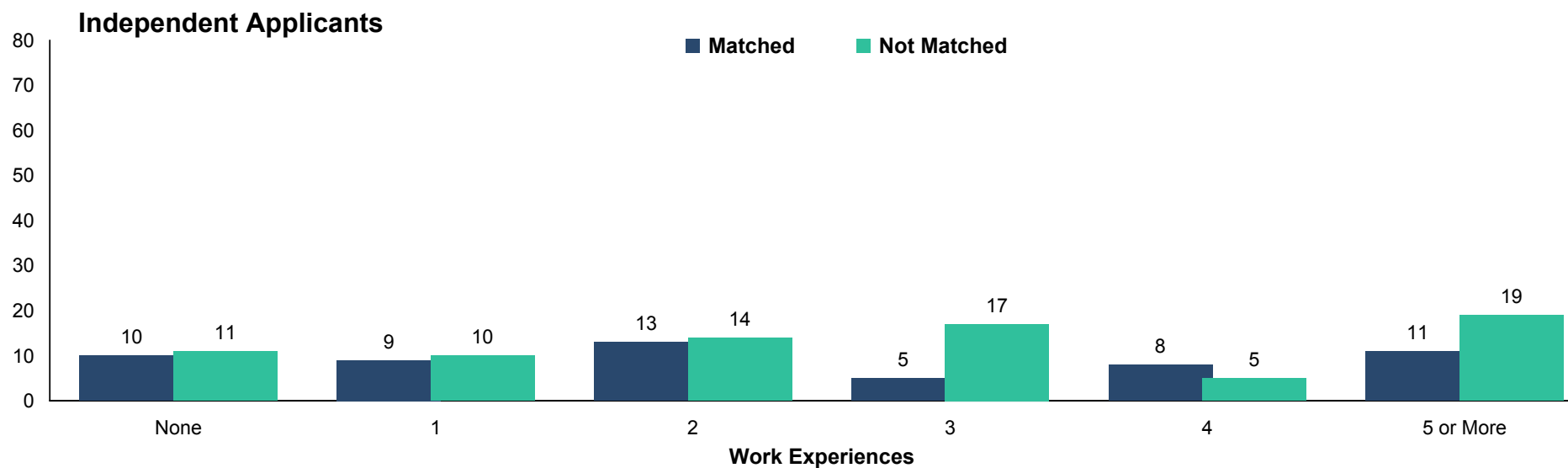
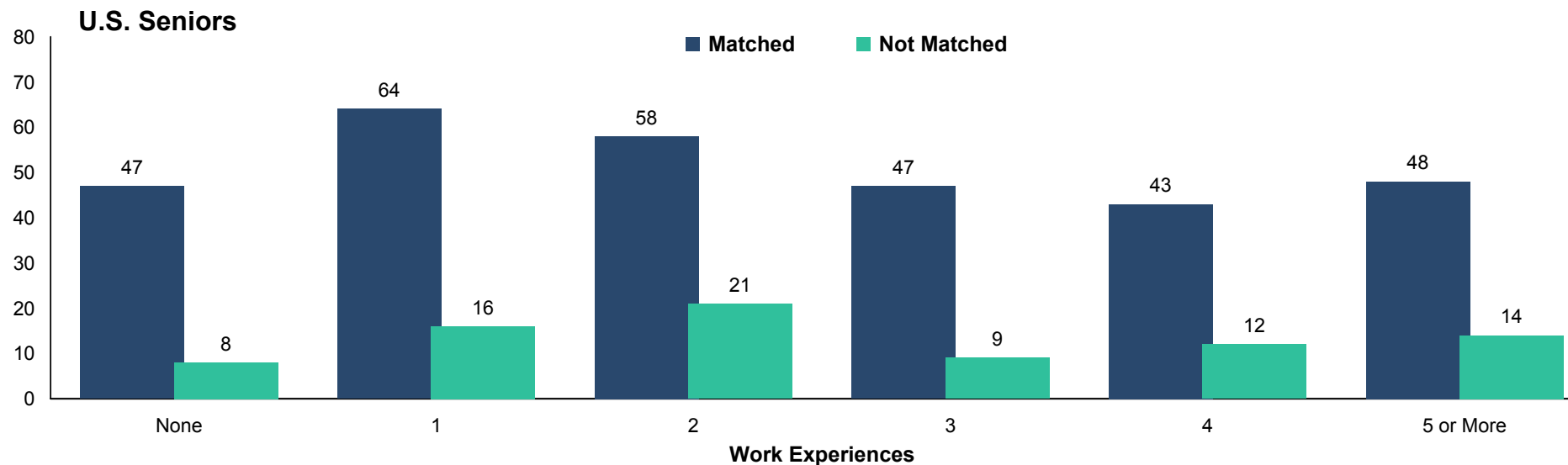
Number of Abstracts, Presentations, and Publications *Dermatology*



Source: NRMP Data Warehouse and AAMC Data Warehouse

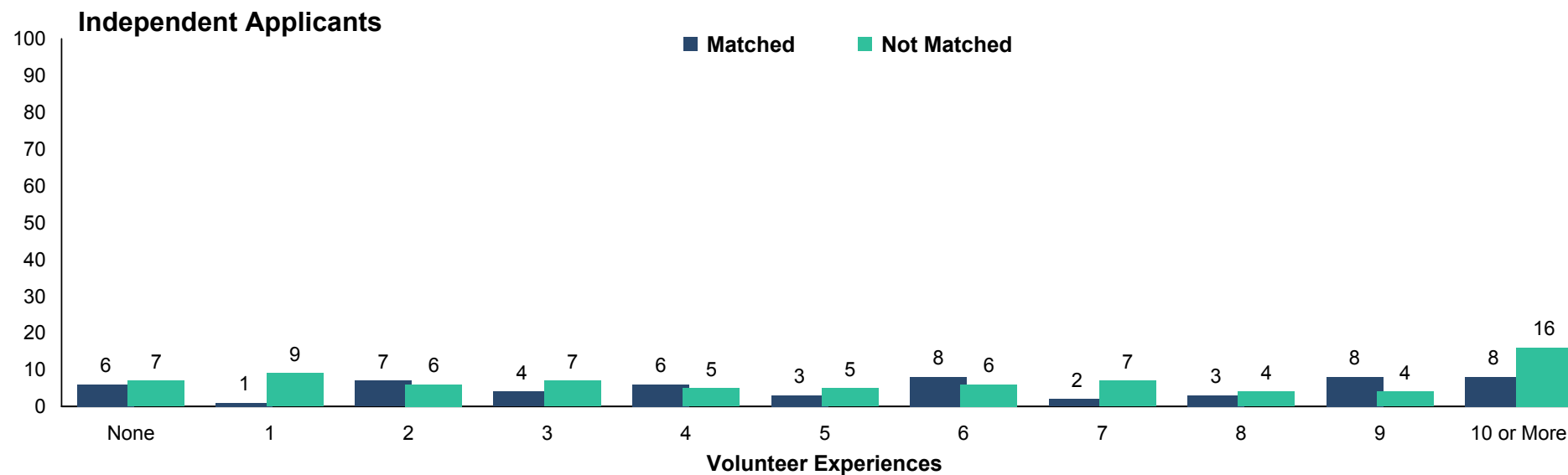
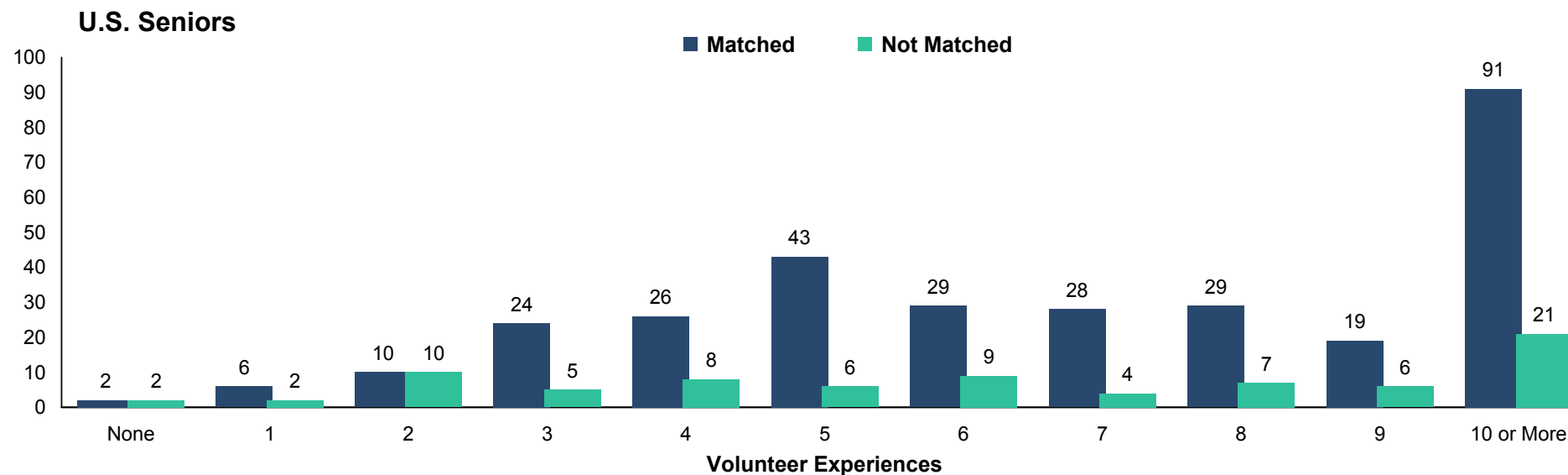
**Chart
DM-7**

Number of Work Experiences
Dermatology



Source: NRMP Data Warehouse and AAMC Data Warehouse

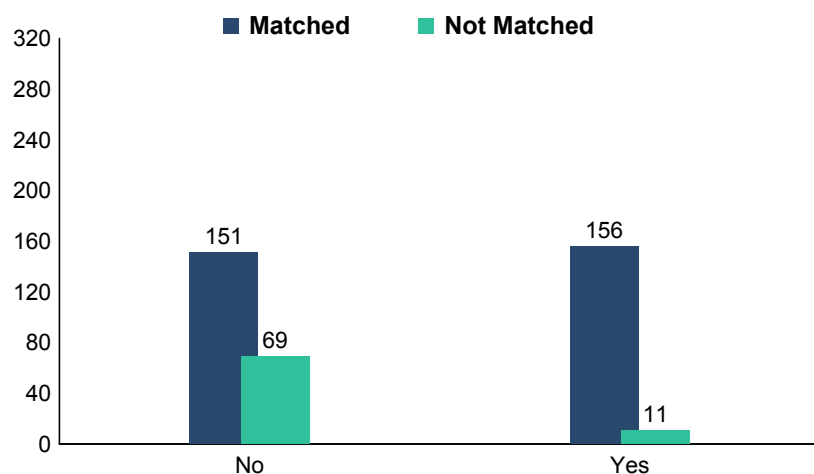
Number of Volunteer Experiences *Dermatology*



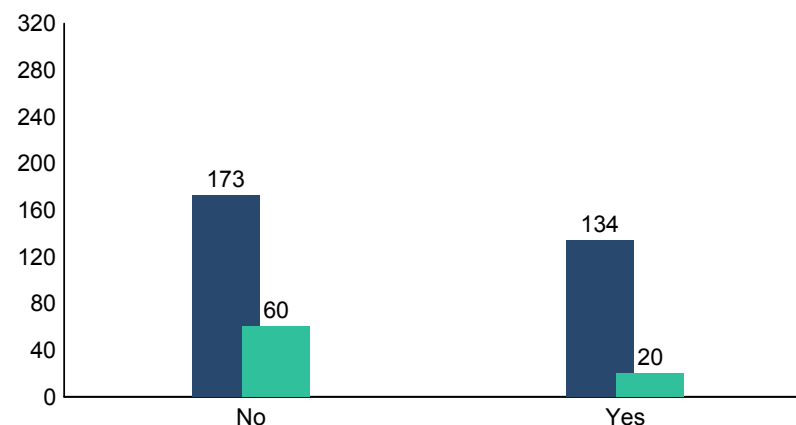
Source: NRMP Data Warehouse and AAMC Data Warehouse

Other Characteristics of U.S. Seniors *Dermatology*

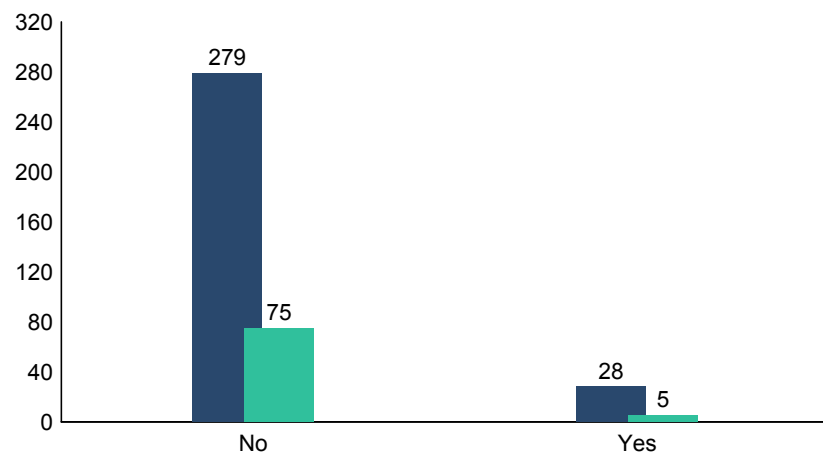
AOA Membership



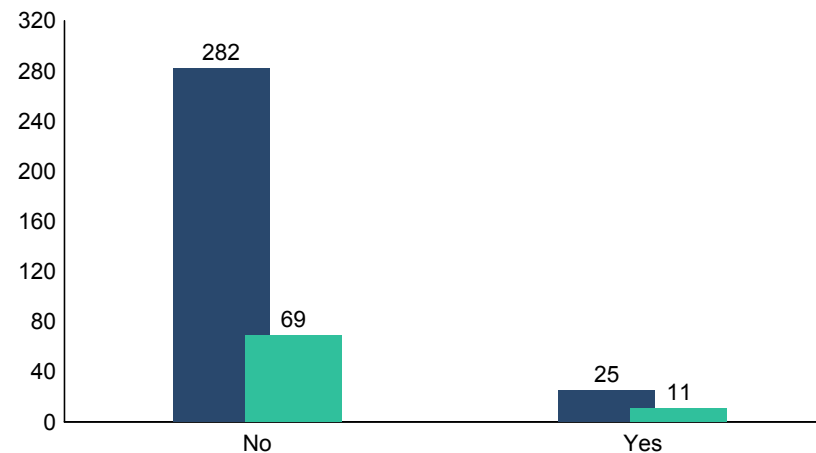
Graduate of One of the 40 U.S. Medical Schools with the Highest NIH Funding



Ph.D. Degree



Other Graduate Degree



Source: 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

DR **Diagnostic Radiology**

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

Measure	U.S. Seniors		Independent Applicants	
	Matched (n=883)	Unmatched (n=36)	Matched (n=191)	Unmatched (n=145)
1. Mean number of contiguous ranks	13.3	3.4	6.3	2.3
2. Mean number of distinct specialties ranked	1.7	2.3	1.6	1.7
3. Mean USMLE Step 1 score	240	211	235	222
4. Mean USMLE Step 2 score	245	214	234	222
5. Mean number of research experiences	2.8	2.0	2.3	1.9
6. Mean number of abstracts, presentations, and publications	3.9	4.1	4.7	5.8
7. Mean number of work experiences	2.5	3.1	3.1	3.1
8. Mean number of volunteer experiences	5.7	6.1	3.9	2.9
9. Percentage who are AOA members	26.4	5.6	n/a	n/a
10. Percentage who graduated from one of the 40 U.S. medical schools with the highest NIH funding	36.7	27.8	n/a	n/a
11. Percentage who have Ph.D. degree	4.3	2.8	n/a	n/a
12. Percentage who have another graduate degree	9.4	19.4	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.

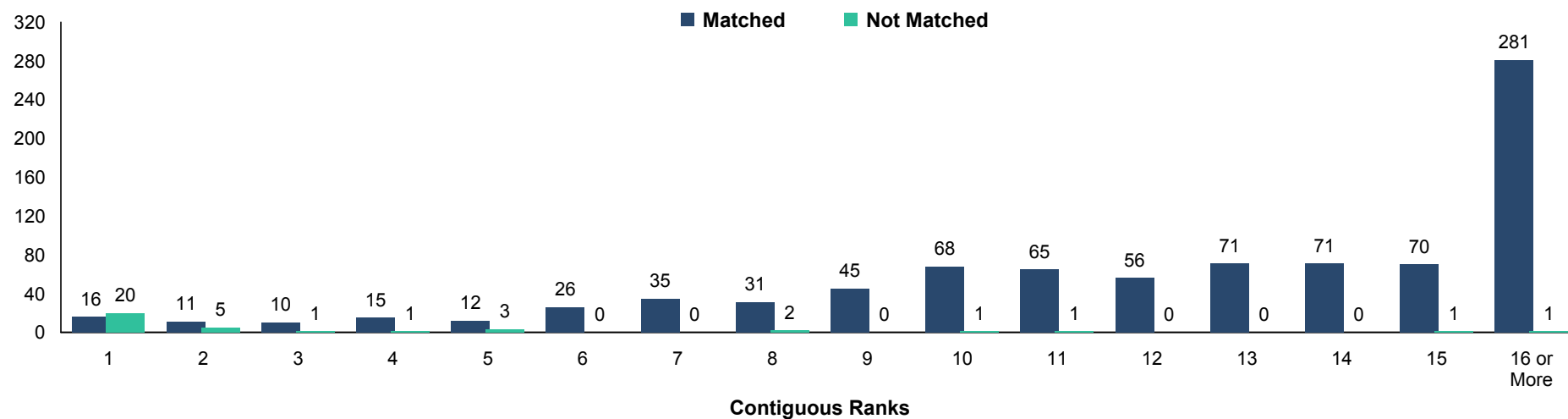
Sources: Measures 1, 2, and match outcome are from the NRMP Data Warehouse; measures 3 and 4 are from the AAMC Data Warehouse and from the ECFMG, both by permission of the NBME and ECFMG; measures 5-9 are from the AAMC Data Warehouse; measure 10 is from the NIH website (<http://report.nih.gov/award/trends/AggregateDate.cfm> 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 20 percent of U.S. allopathic medical school seniors do not take the USMLE Step 2 prior to the Match.

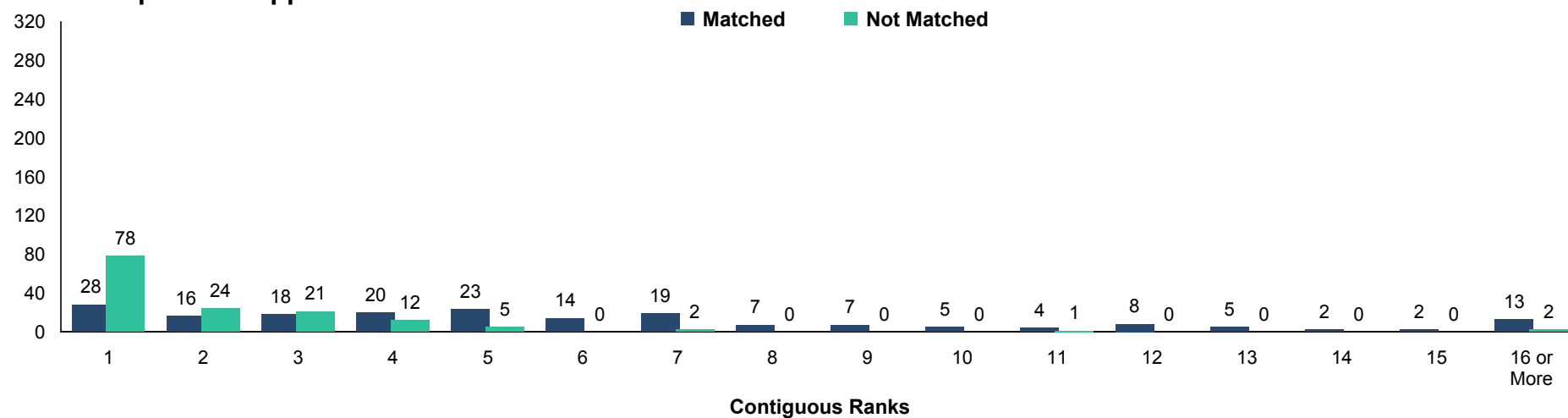
**Chart
DR-1**

Number of Contiguous Ranks Within Preferred Specialty *Diagnostic Radiology*

U.S. Seniors

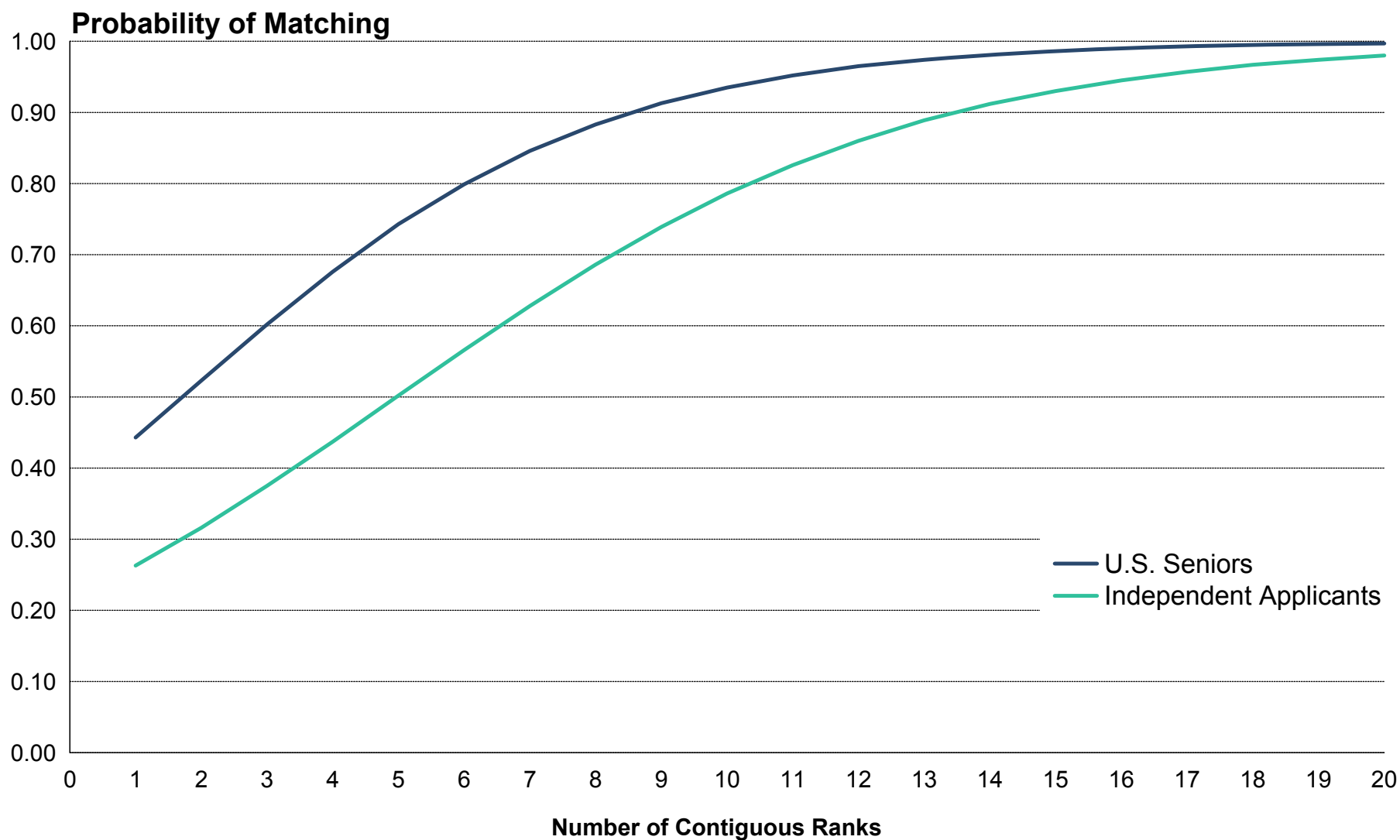


Independent Applicants



Source: NRMP Data Warehouse

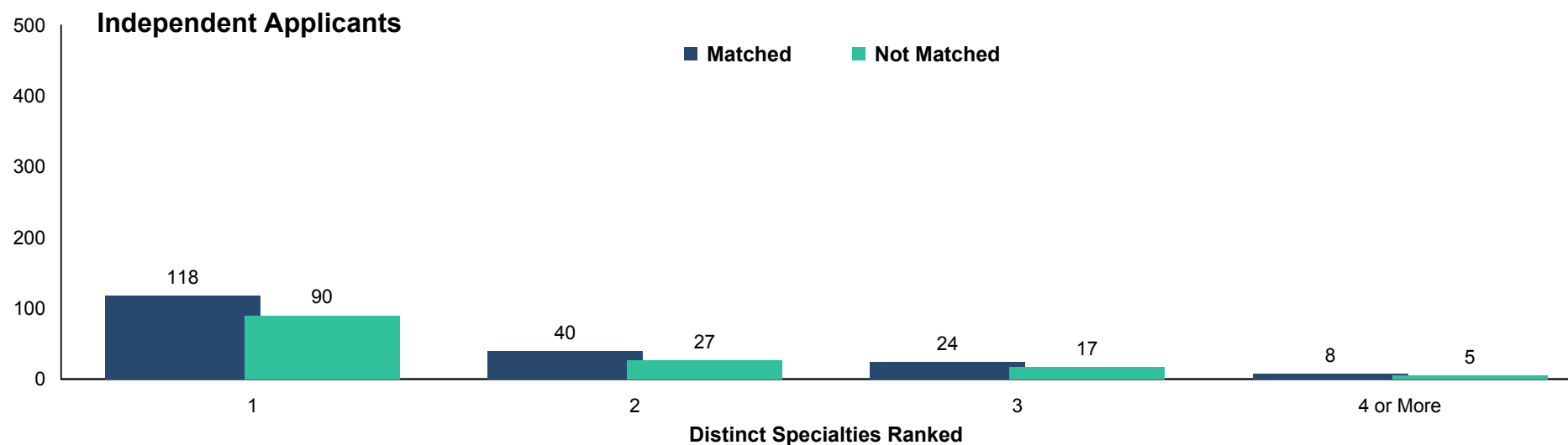
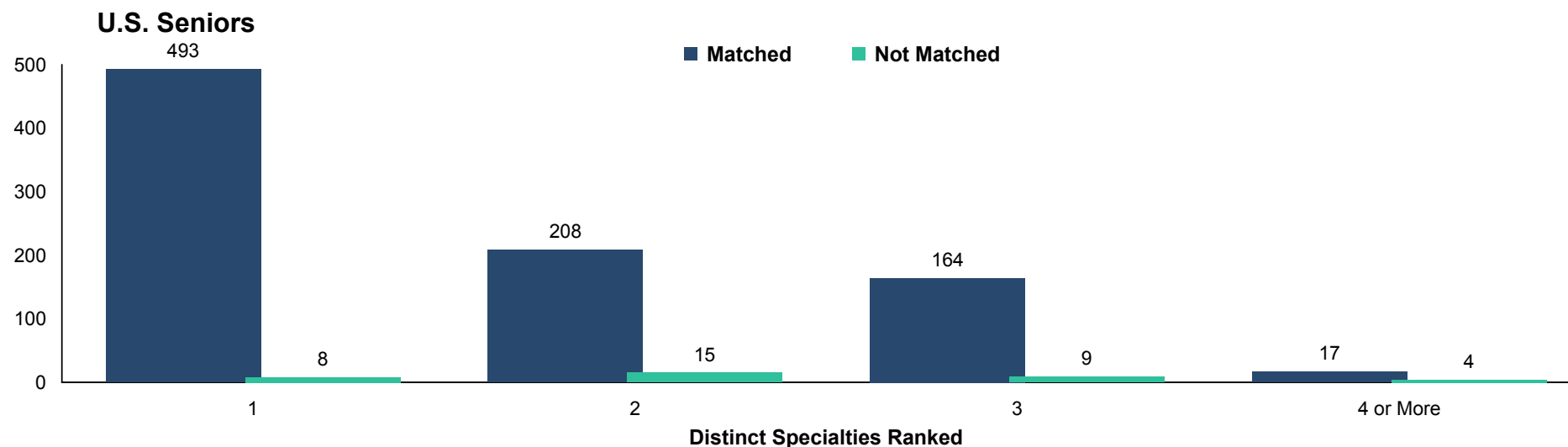
Probability of Matching to Preferred Specialty by Number of Contiguous Ranks *Diagnostic Radiology*



Source: NRMP Data Warehouse. Note: Probabilities calculated based on 2009-2011 applicants

**Chart
DR-2**

Number of Distinct Specialties Ranked *Diagnostic Radiology*

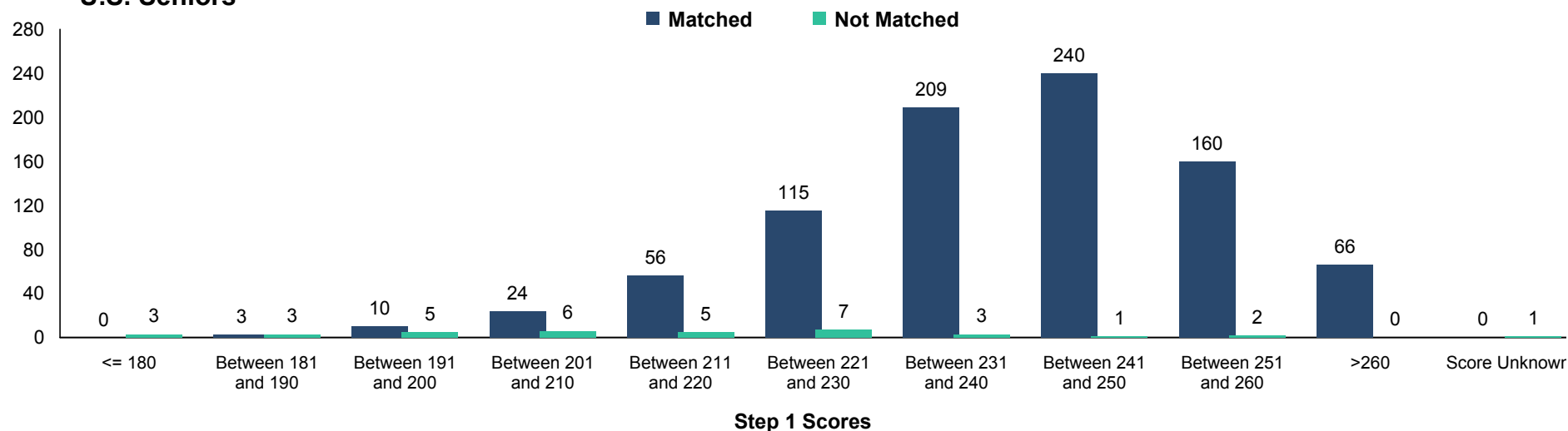


Source: NRMP Data Warehouse

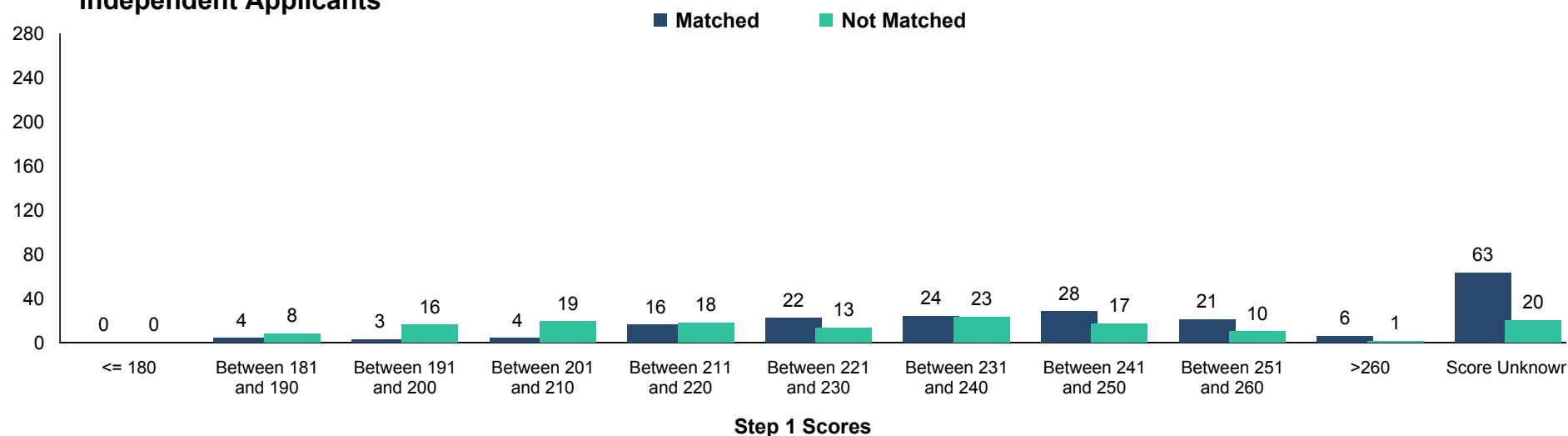
Chart DR-3

USMLE Step 1 Scores Diagnostic Radiology

U.S. Seniors

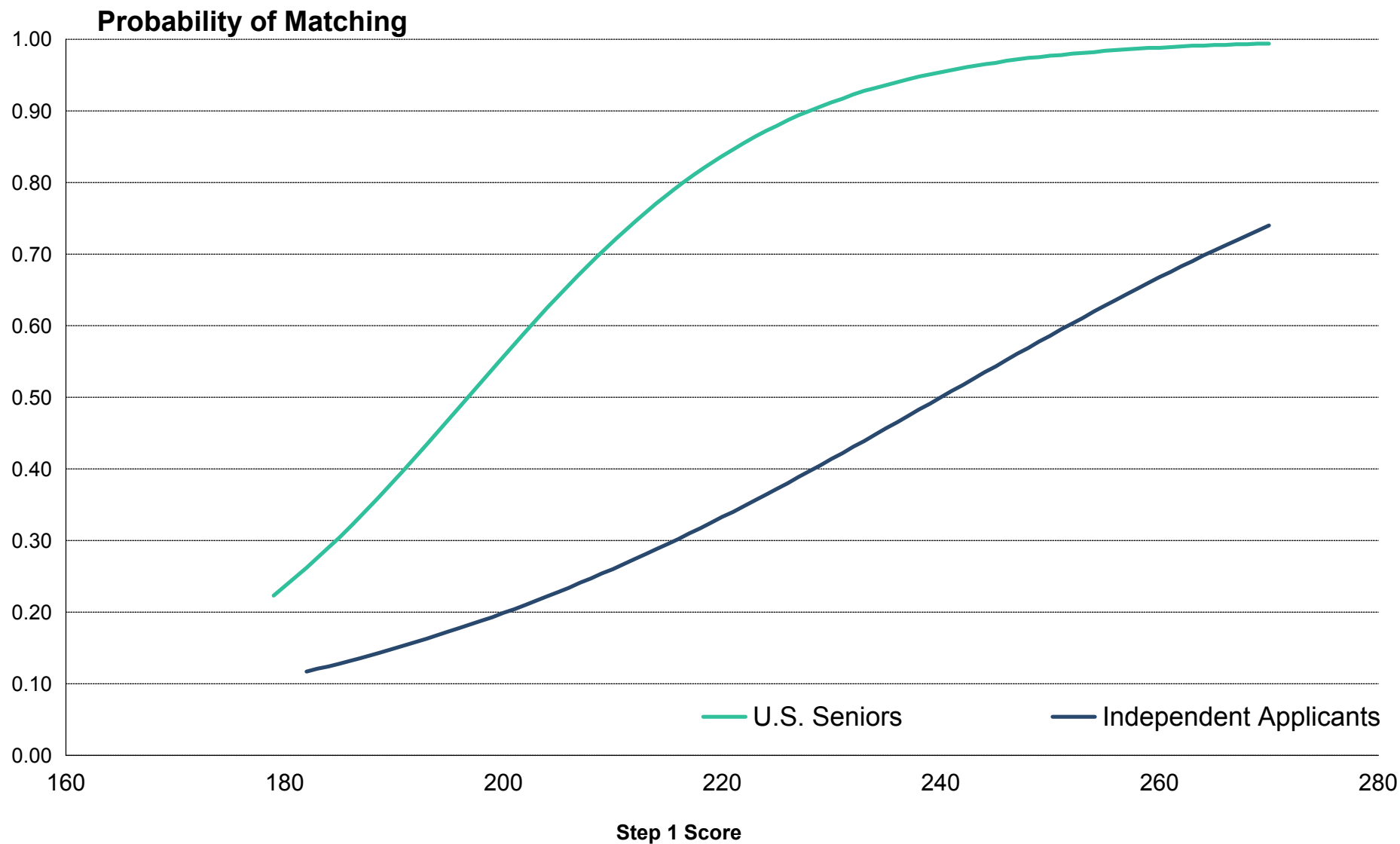


Independent Applicants



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

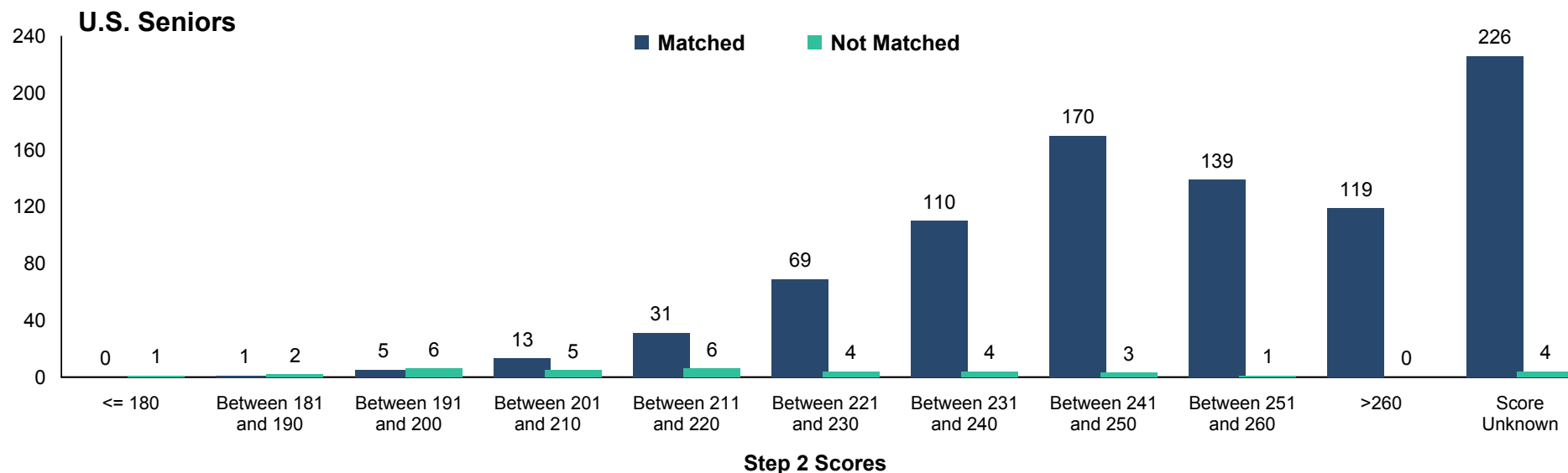
Probability of Matching to Preferred Specialty by USMLE Step 1 Score Diagnostic Radiology



Source: NRMP Data Warehouse and AAMC Data Warehouse. USMLE scores by permission of the NBME and ECFMG. Note: Probabilities calculated based on 2009-2011 applicants.

Chart DR-4

USMLE Step 2 Scores Diagnostic Radiology

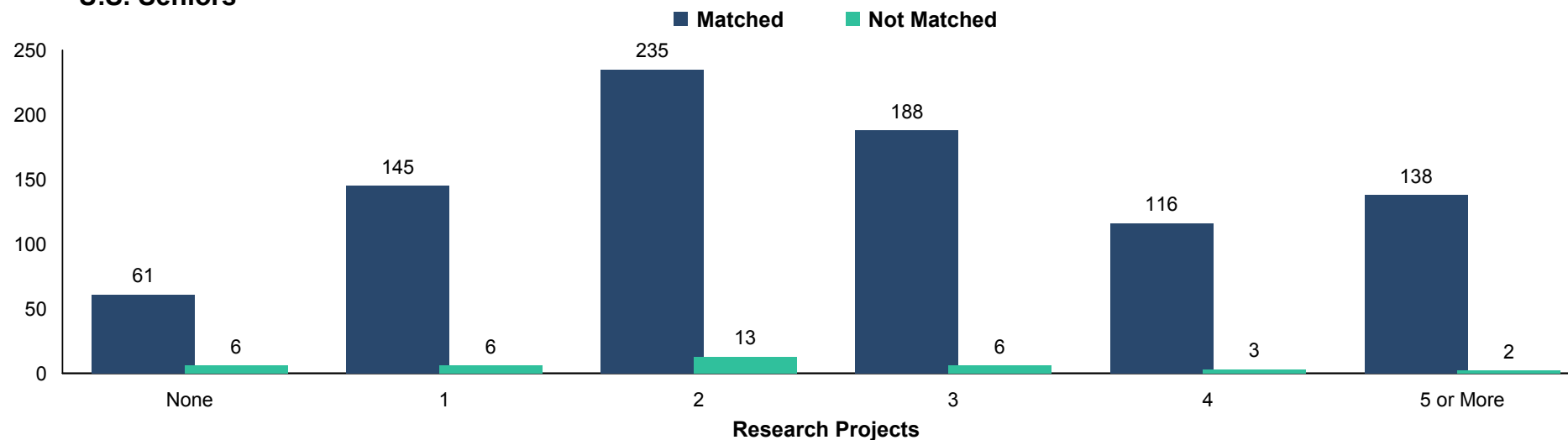


Source: NRMP Data Warehouse and AAMC Data Warehouse. USMLE scores by permission of the NBME and ECFMG.

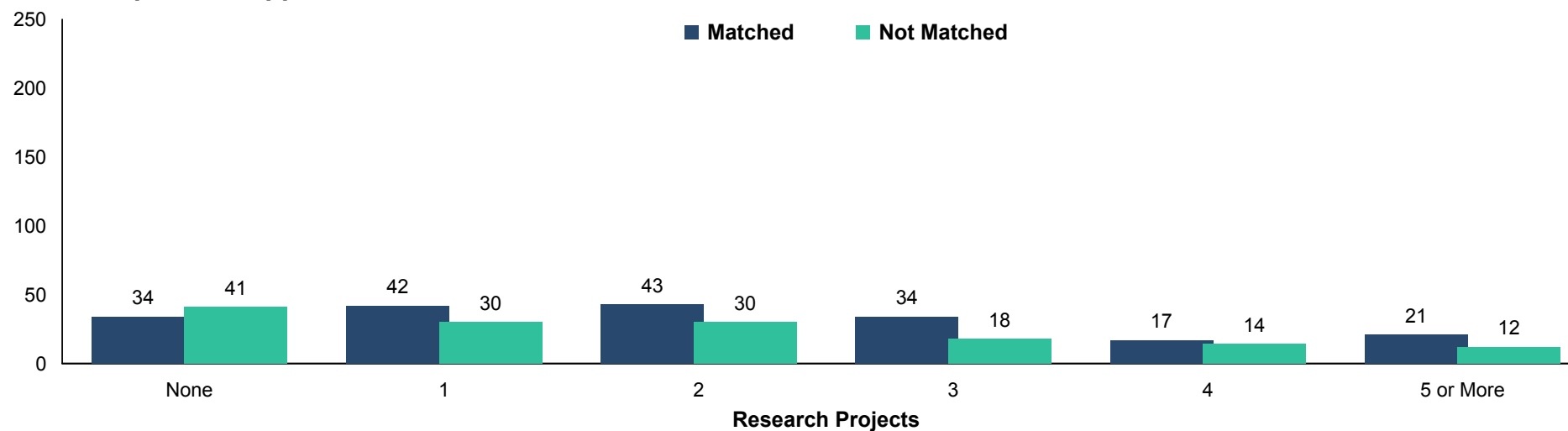
**Chart
DR-5**

Number of Research Projects Diagnostic Radiology

U.S. Seniors



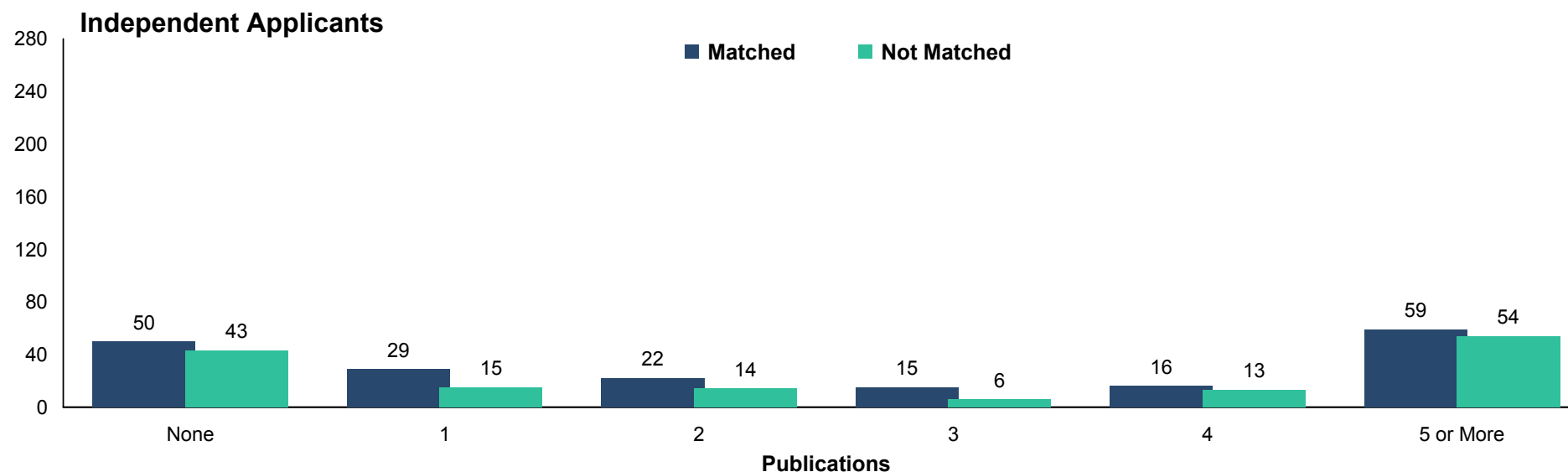
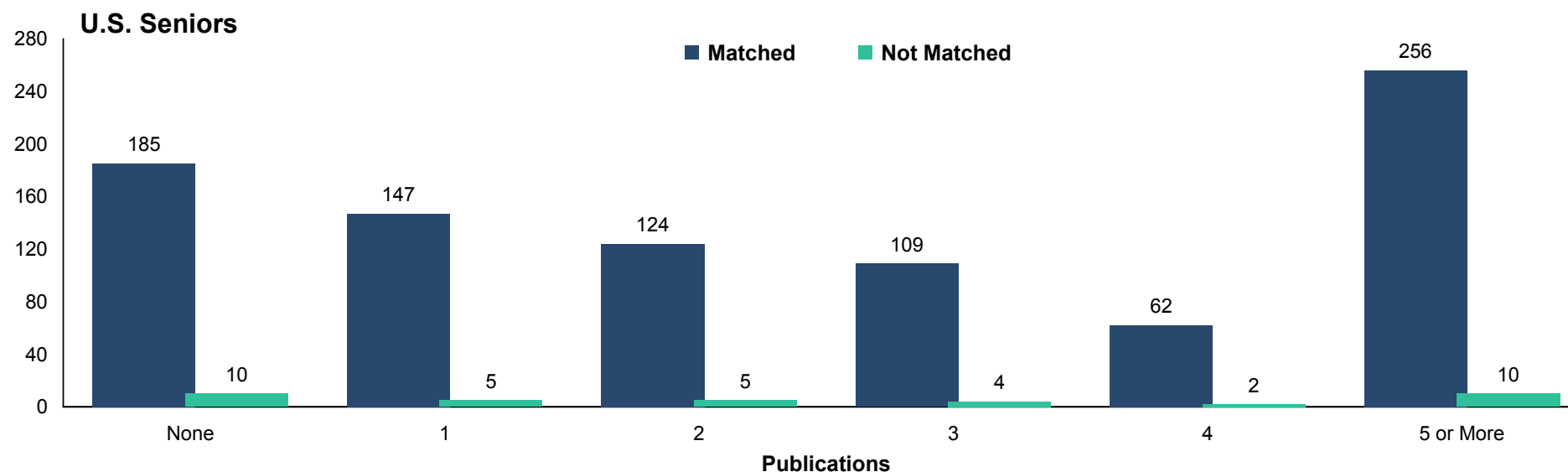
Independent Applicants



Source: NRMP Data Warehouse and AAMC Data Warehouse

**Chart
DR-6**

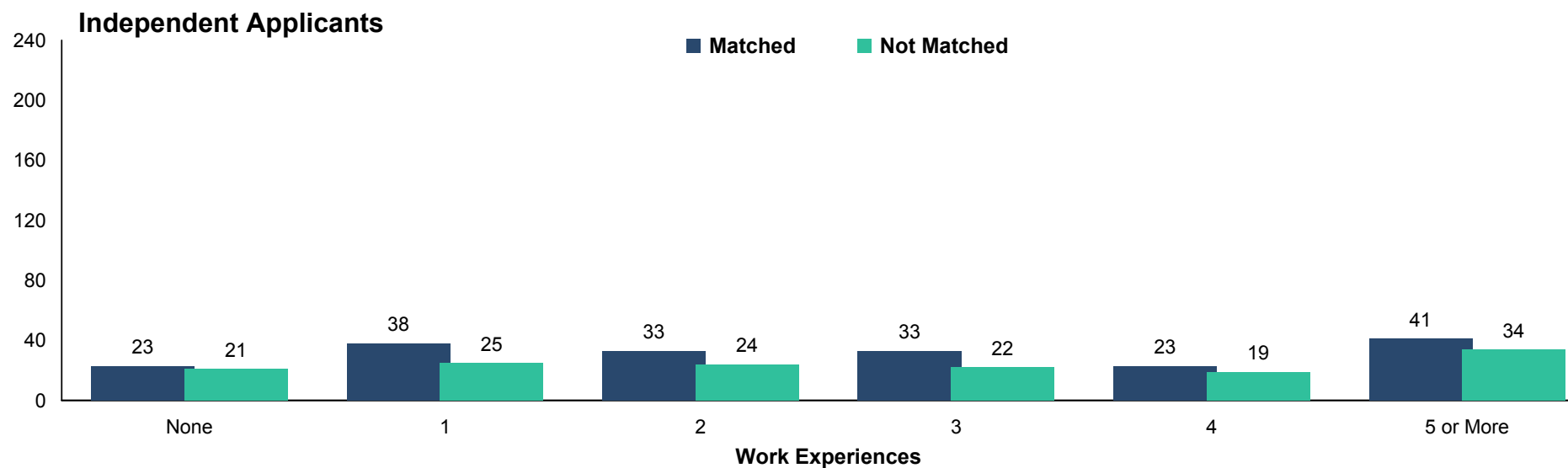
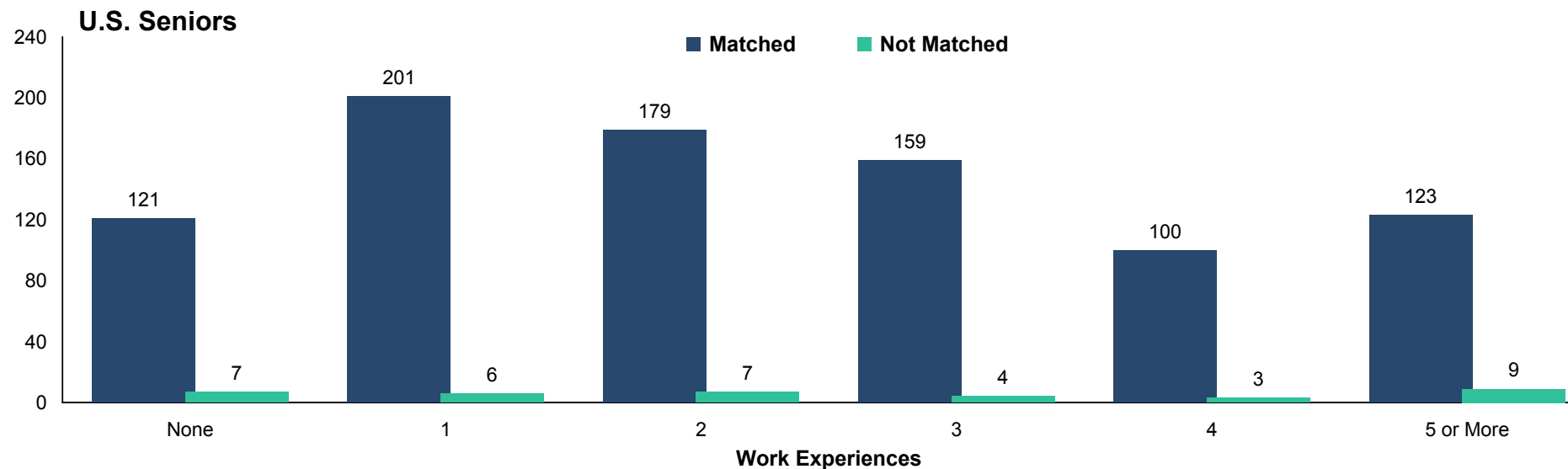
Number of Abstracts, Presentations, and Publications *Diagnostic Radiology*



Source: NRMP Data Warehouse and AAMC Data Warehouse

**Chart
DR-7**

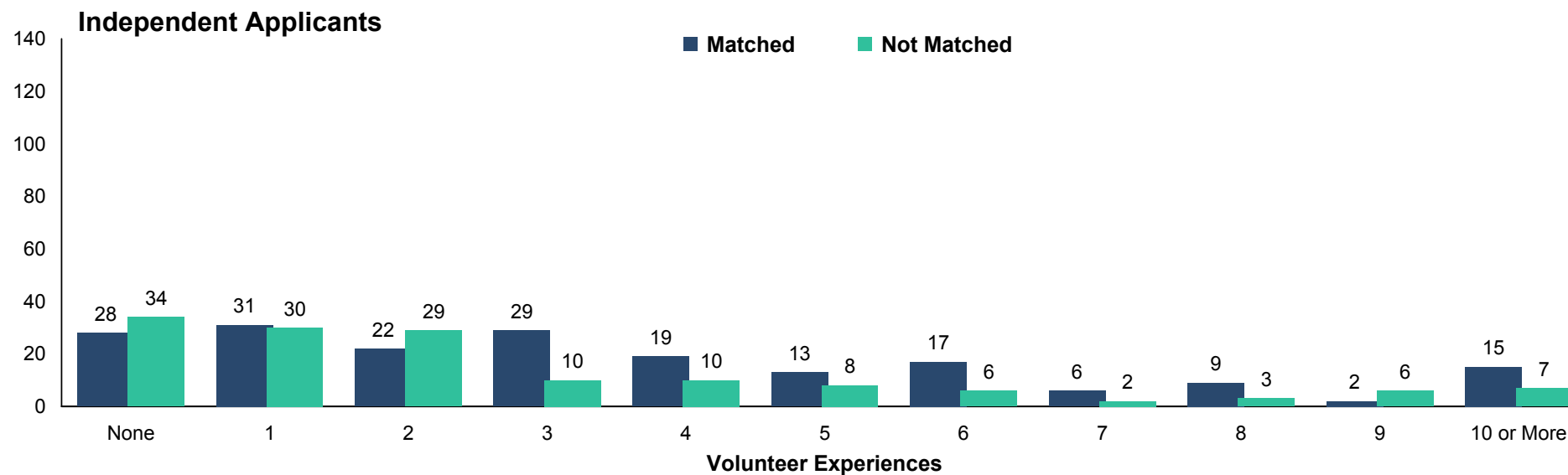
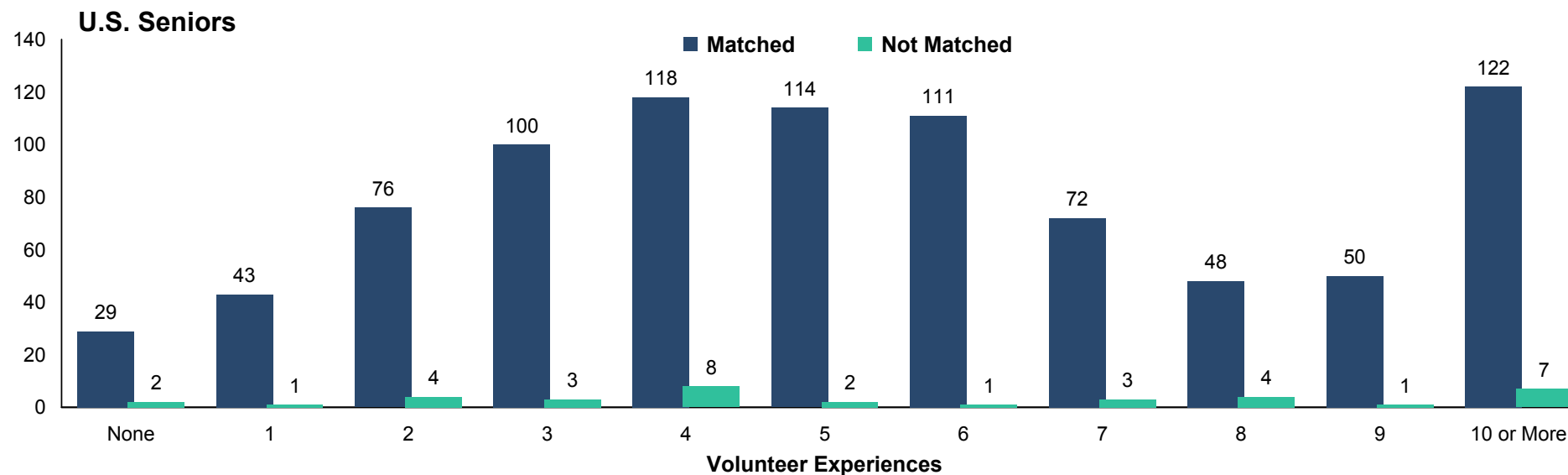
Number of Work Experiences
Diagnostic Radiology



Source: NRMP Data Warehouse and AAMC Data Warehouse

Chart DR-8

Number of Volunteer Experiences *Diagnostic Radiology*

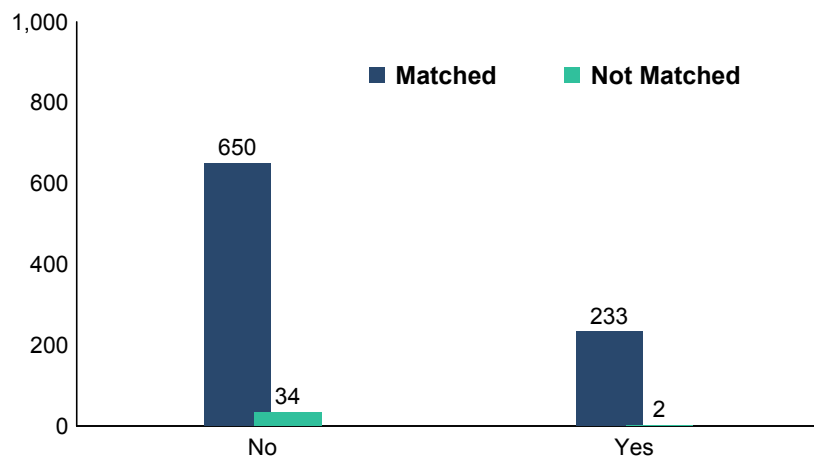


Source: NRMP Data Warehouse and AAMC Data Warehouse

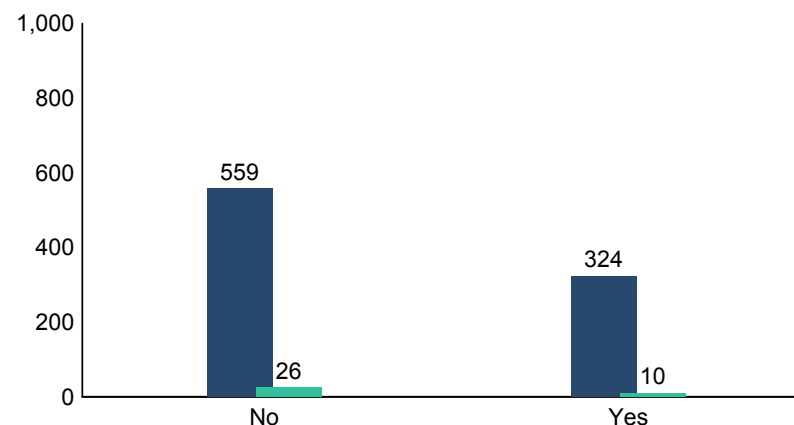
Chart DR-9

Other Characteristics of U.S. Seniors Diagnostic Radiology

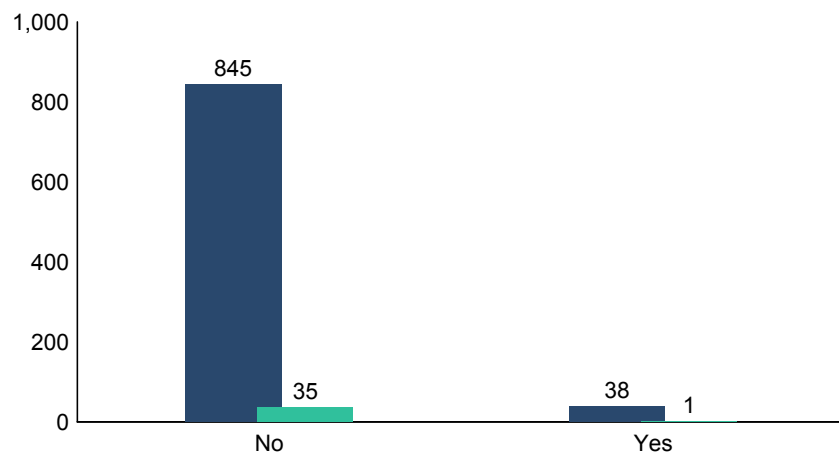
AOA Membership



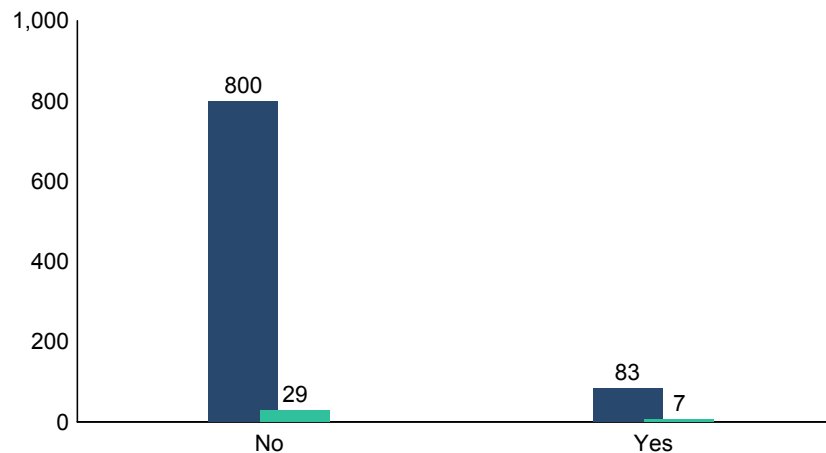
Graduate of One of the 40 U.S. Medical Schools with the Highest NIH Funding



Ph.D. Degree



Other Graduate Degree



Source: 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

EM **Emergency Medicine**

Measure	U.S. Seniors		Independent Applicants	
	Matched (n=1,259)	Unmatched (n=137)	Matched (n=330)	Unmatched (n=299)
1. Mean number of contiguous ranks	10.8	4.9	6.7	3.2
2. Mean number of distinct specialties ranked	1.1	1.5	1.3	1.6
3. Mean USMLE Step 1 score	223	207	218	210
4. Mean USMLE Step 2 score	234	214	223	212
5. Mean number of research experiences	1.8	1.8	1.2	1.1
6. Mean number of abstracts, presentations, and publications	2.1	1.8	1.6	1.8
7. Mean number of work experiences	3.0	2.9	3.1	3.8
8. Mean number of volunteer experiences	6.2	5.8	5.3	3.9
9. Percentage who are AOA members	9.1	0.7	n/a	n/a
10. Percentage who graduated from one of the 40 U.S. medical schools with the highest NIH funding	30.9	32.8	n/a	n/a
11. Percentage who have Ph.D. degree	1.7	2.2	n/a	n/a
12. Percentage who have another graduate degree	11.9	20.4	n/a	n/a

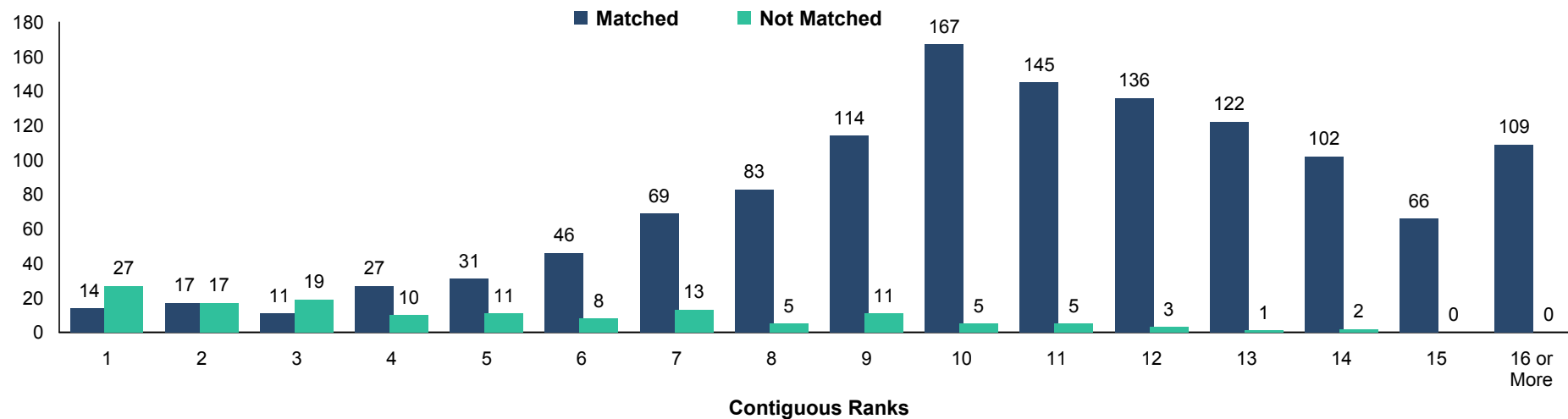
n/a: The measure either does not apply to, applies to only a small percentage of, or no reliable data were available for independent applicants.

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.

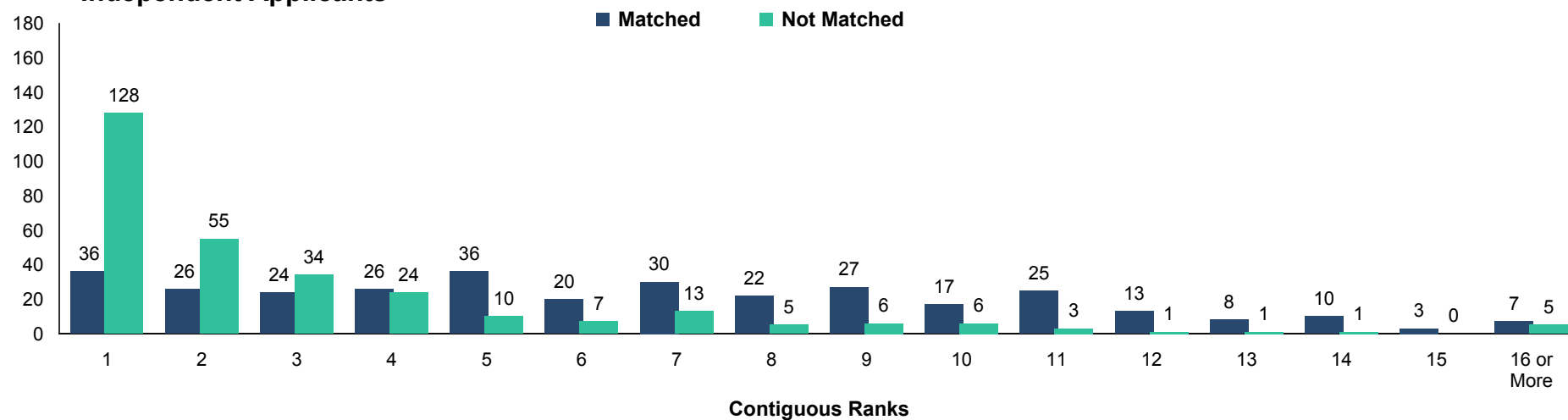
Note: USMLE Step 1 scores are not available for most osteopathic medical school graduates included in the independent applicant group. Approximately 20 percent of U.S. allopathic medical school seniors do not take the USMLE Step 2 prior to the Match.

Number of Contiguous Ranks Within Preferred Specialty *Emergency Medicine*

U.S. Seniors

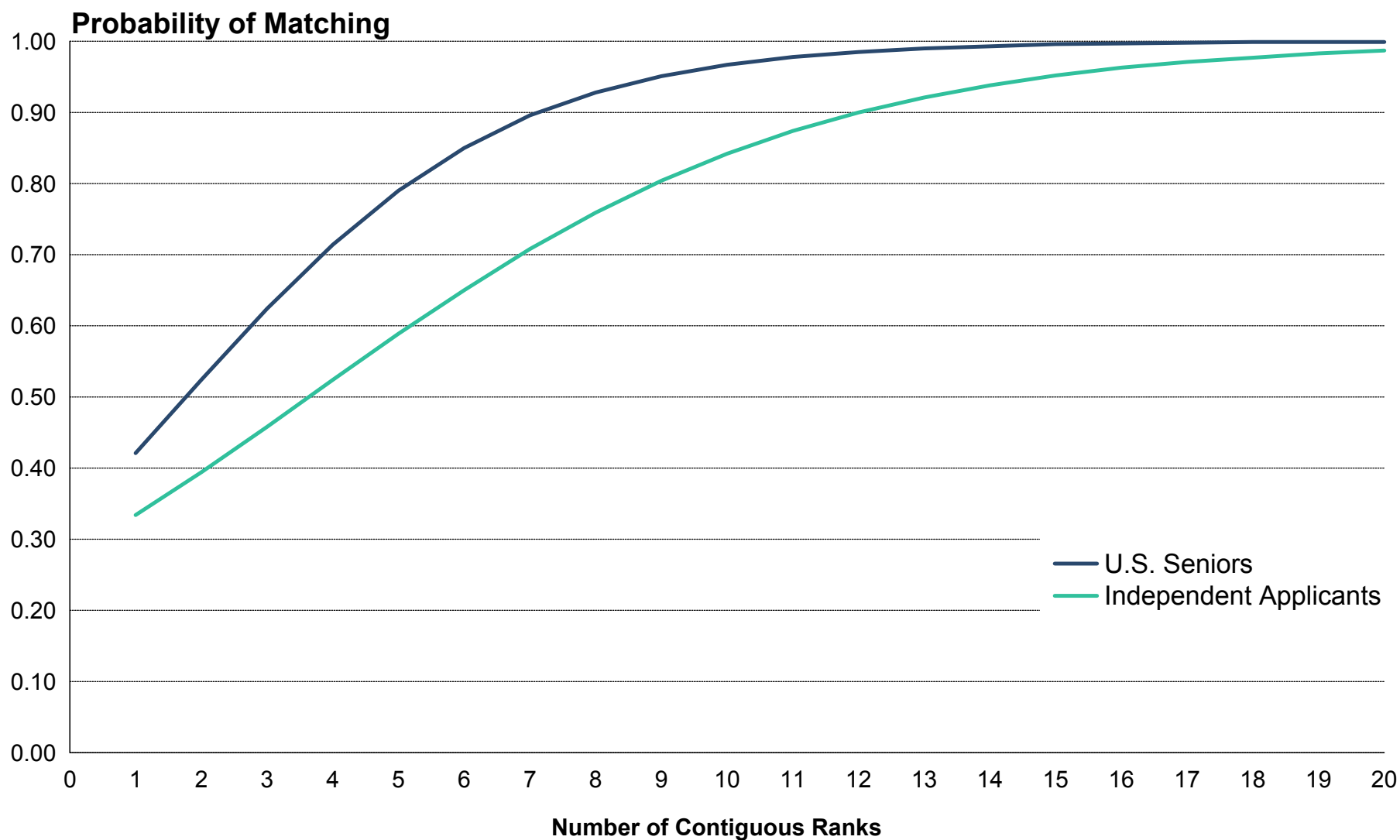


Independent Applicants



Source: NRMP Data Warehouse

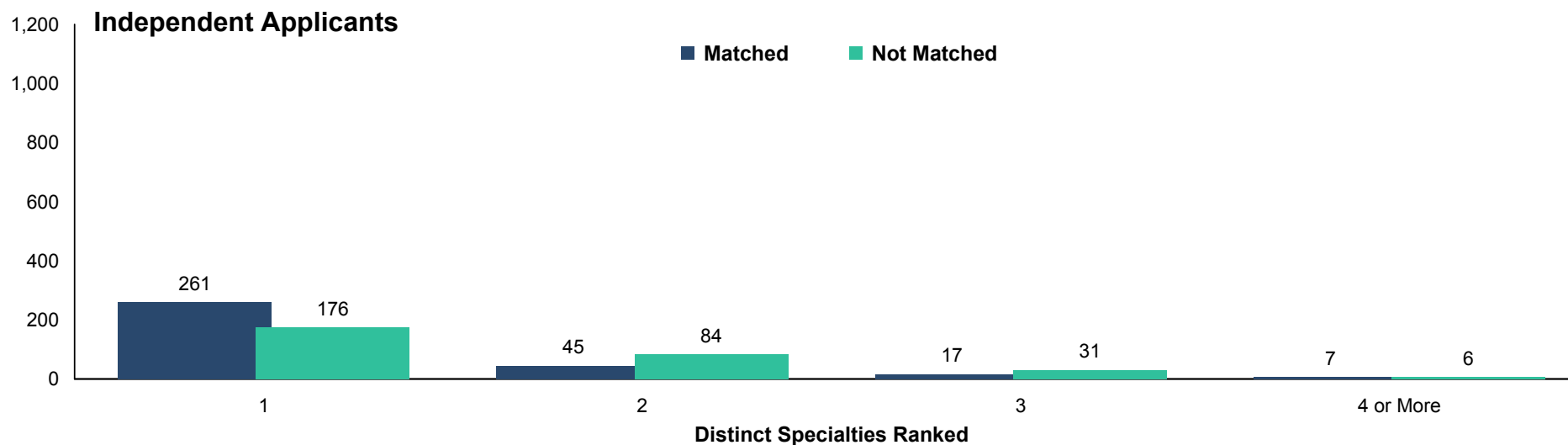
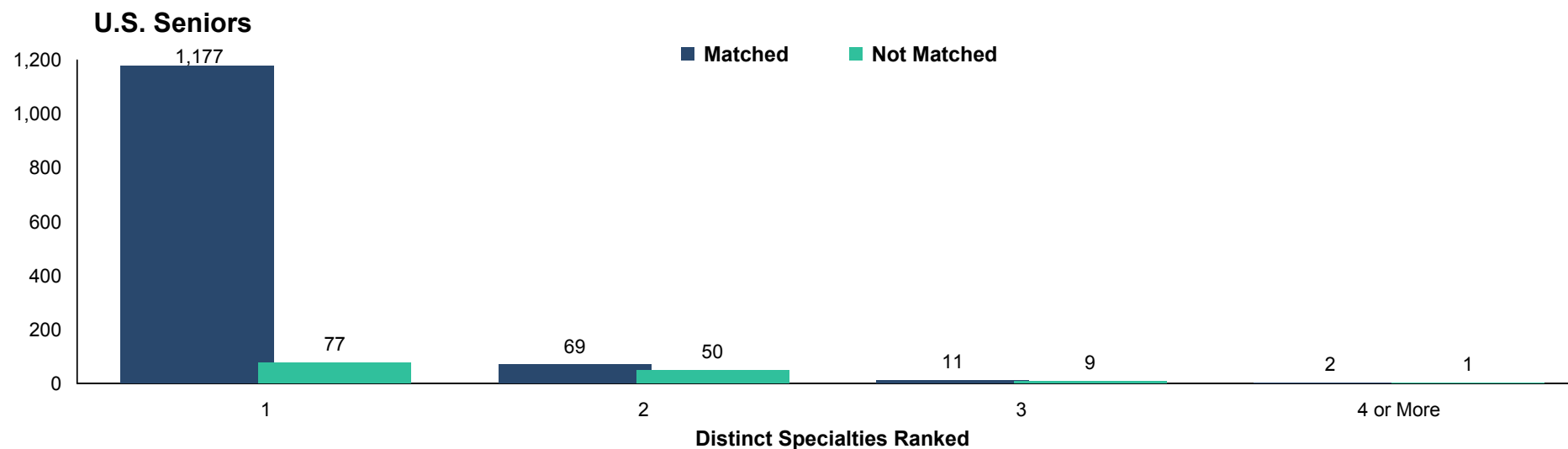
Probability of Matching to Preferred Specialty by Number of Contiguous Ranks *Emergency Medicine*



Source: NRMP Data Warehouse. Note: Probabilities calculated based on 2009-2011 applicants

**Chart
EM-2**

Number of Distinct Specialties Ranked *Emergency Medicine*

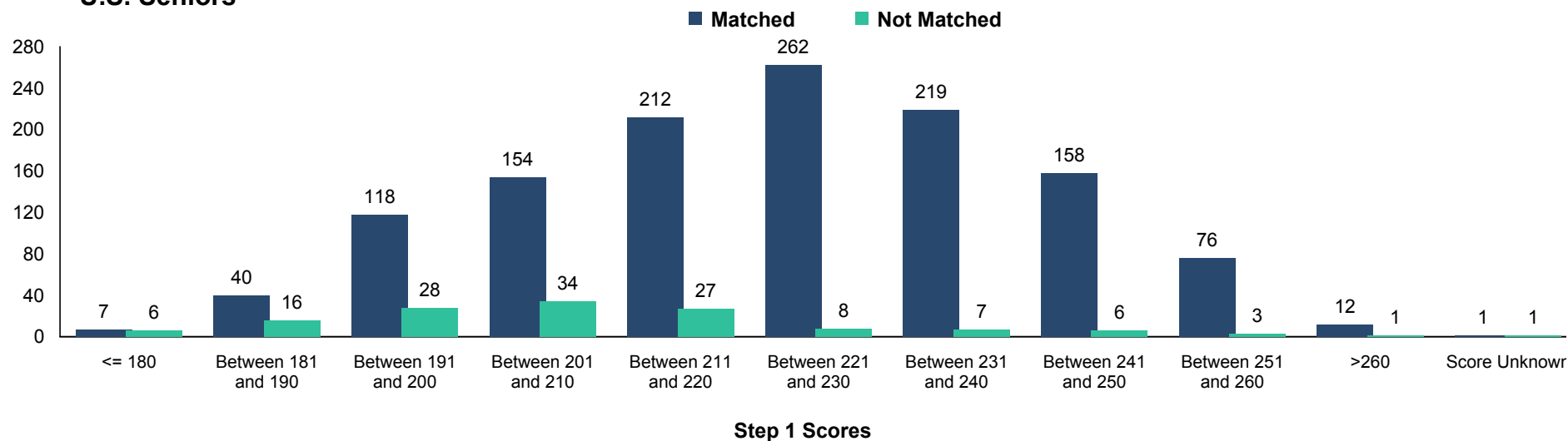


Source: NRMP Data Warehouse

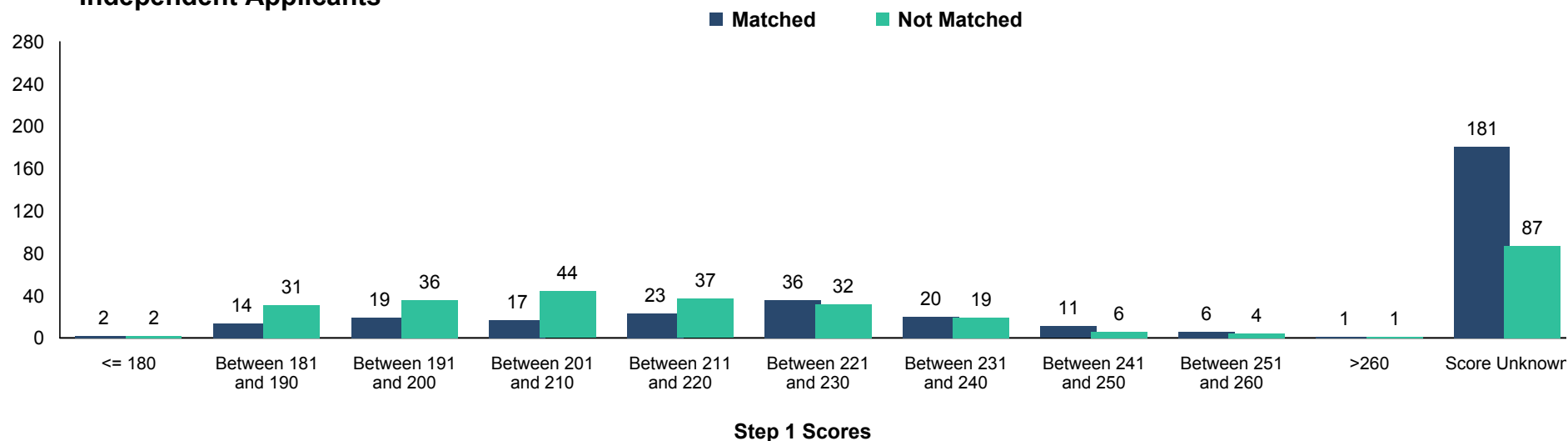
Chart EM-3

USMLE Step 1 Scores Emergency Medicine

U.S. Seniors

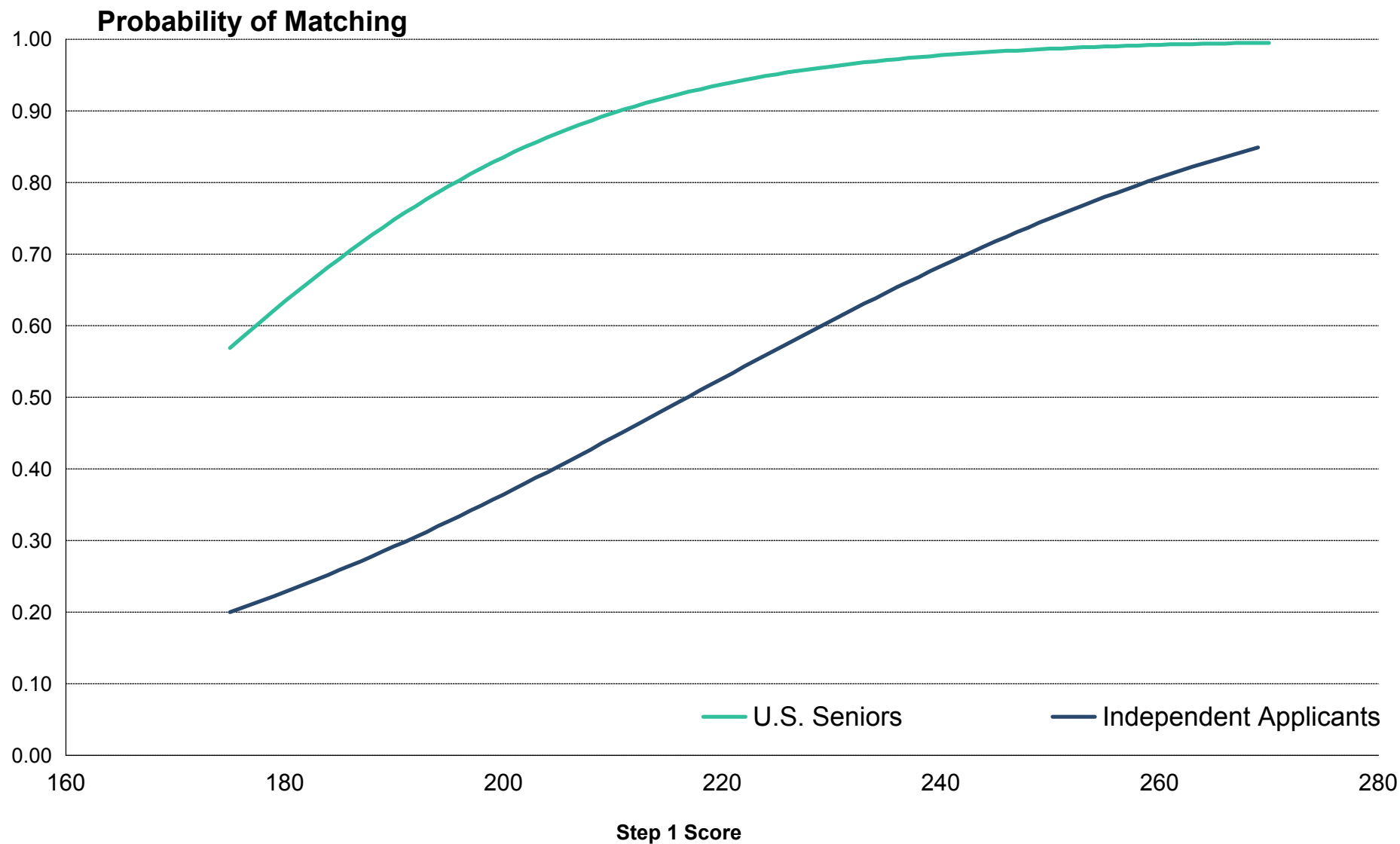


Independent Applicants



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*

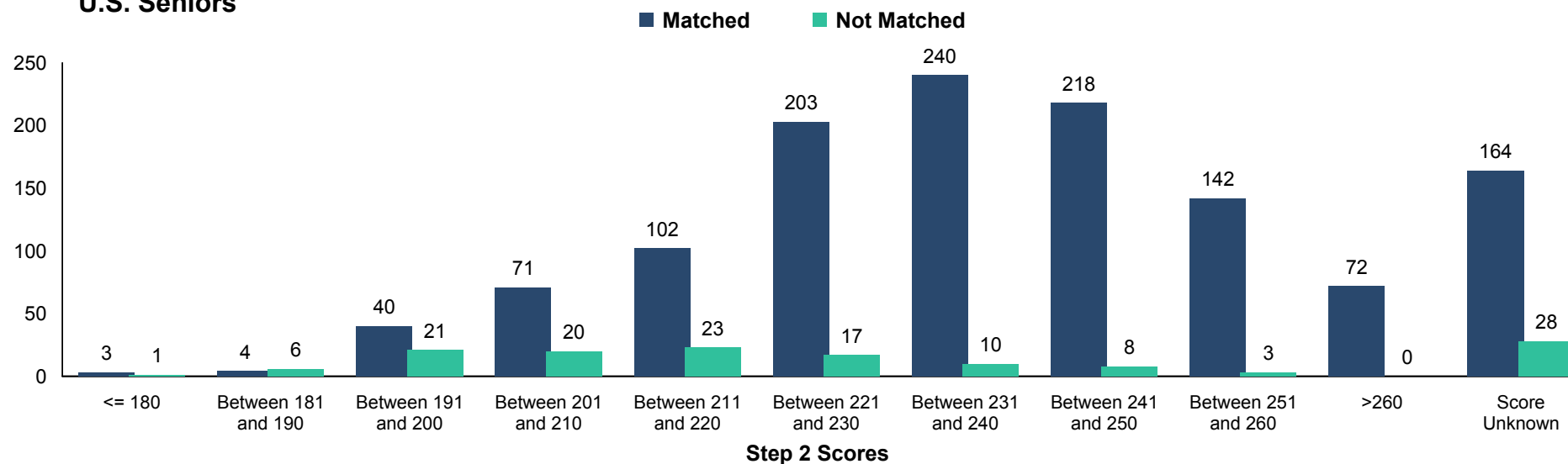


Source: NRMP Data Warehouse and AAMC Data Warehouse. USMLE scores by permission of the NBME and ECFMG. Note: Probabilities calculated based on 2009-2011 applicants.

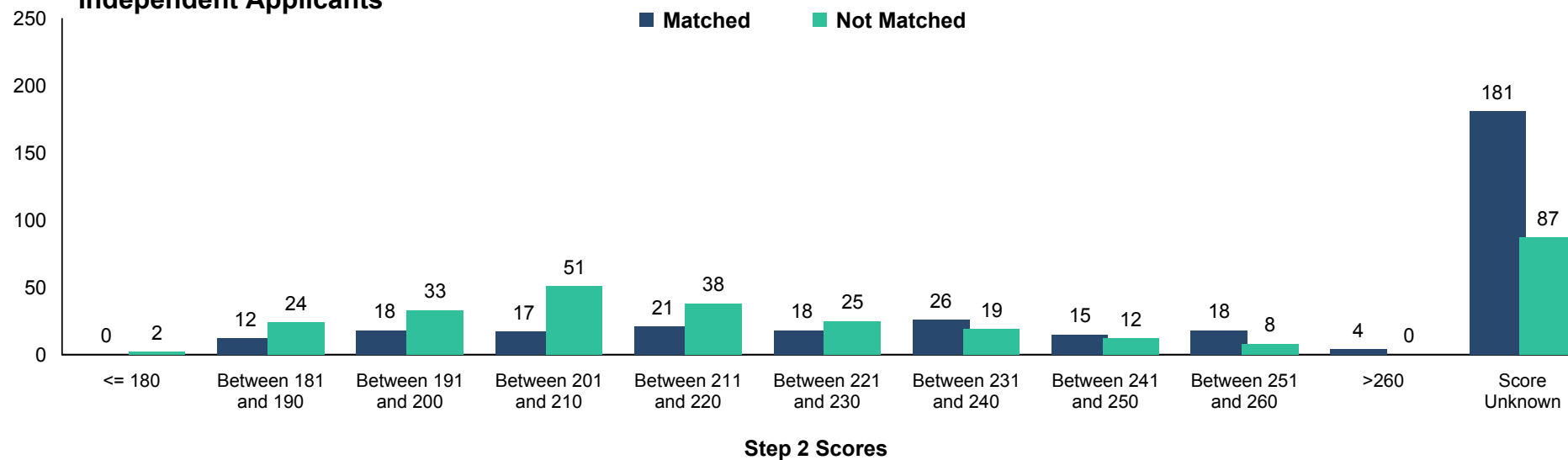
Chart EM-4

USMLE Step 2 Scores Emergency Medicine

U.S. Seniors



Independent Applicants

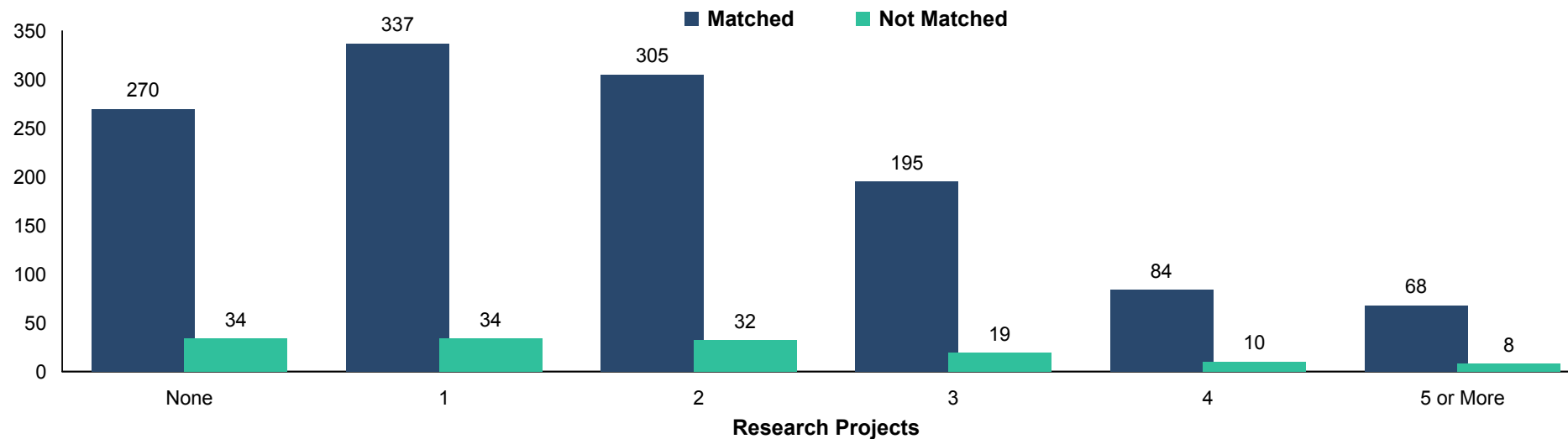


Source: NRMP Data Warehouse and AAMC Data Warehouse. USMLE scores by permission of the NBME and ECFMG.

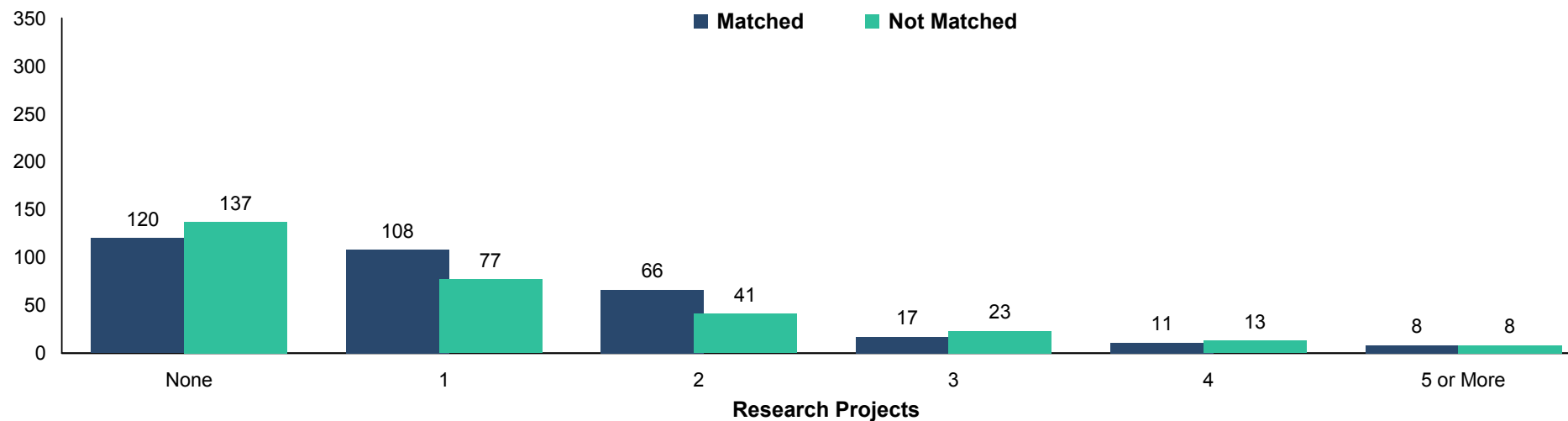
**Chart
EM-5**

Number of Research Projects *Emergency Medicine*

U.S. Seniors



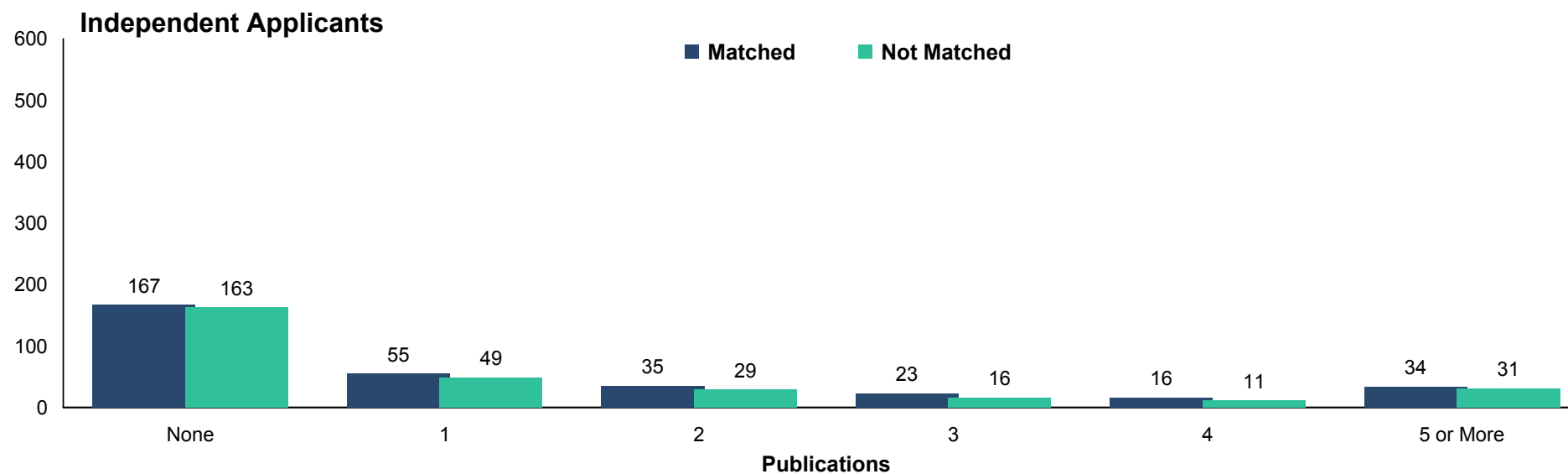
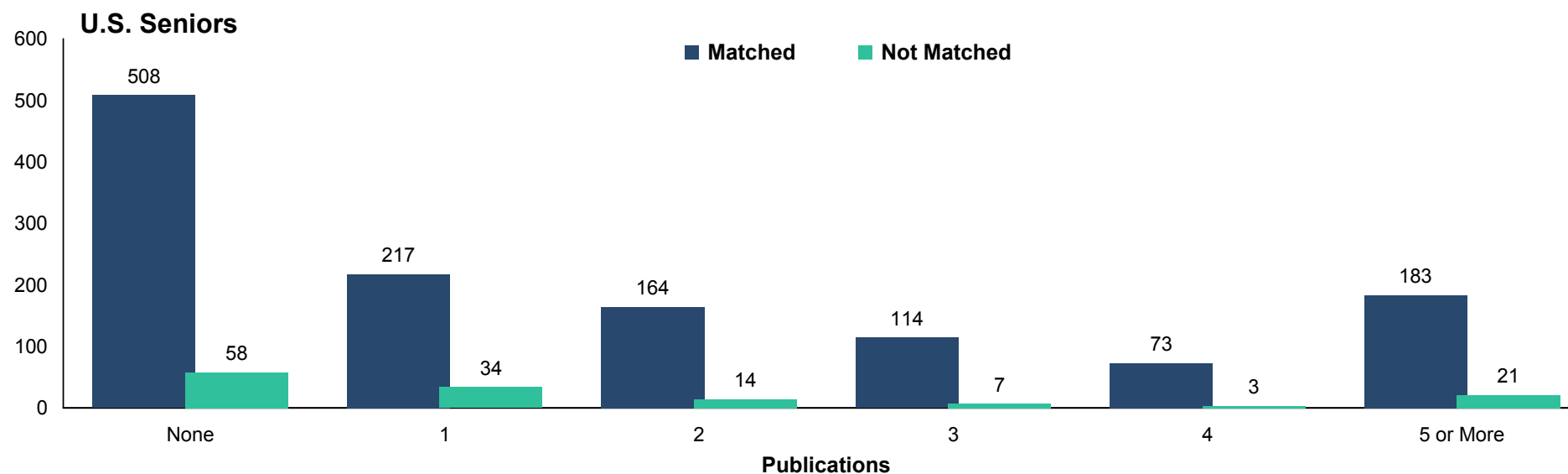
Independent Applicants



Source: NRMP Data Warehouse and AAMC Data Warehouse

**Chart
EM-6**

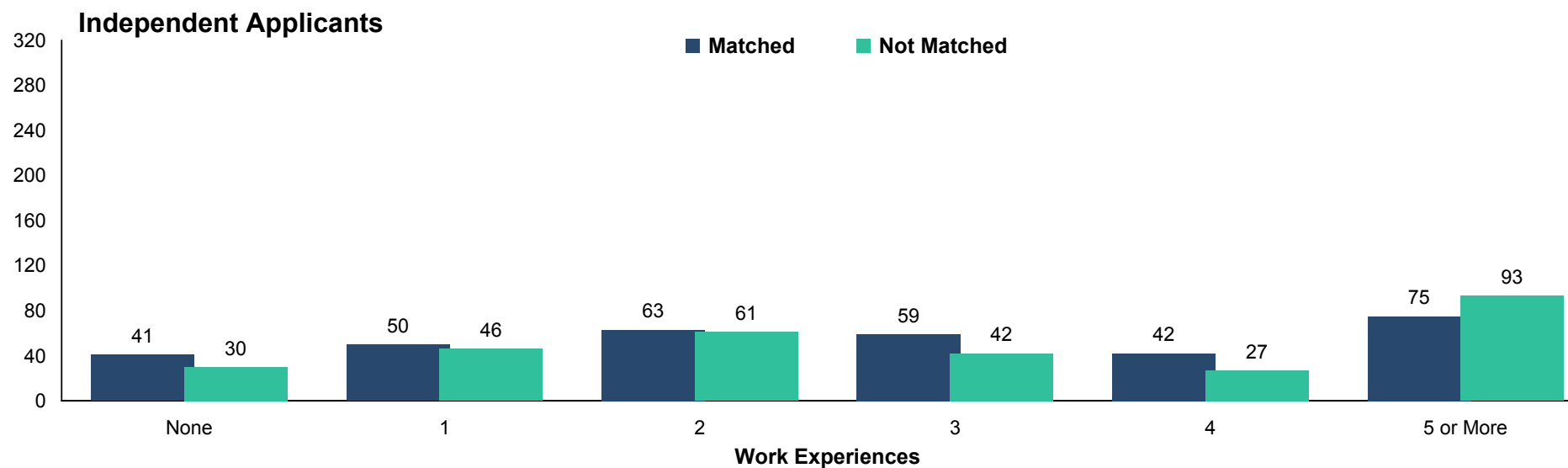
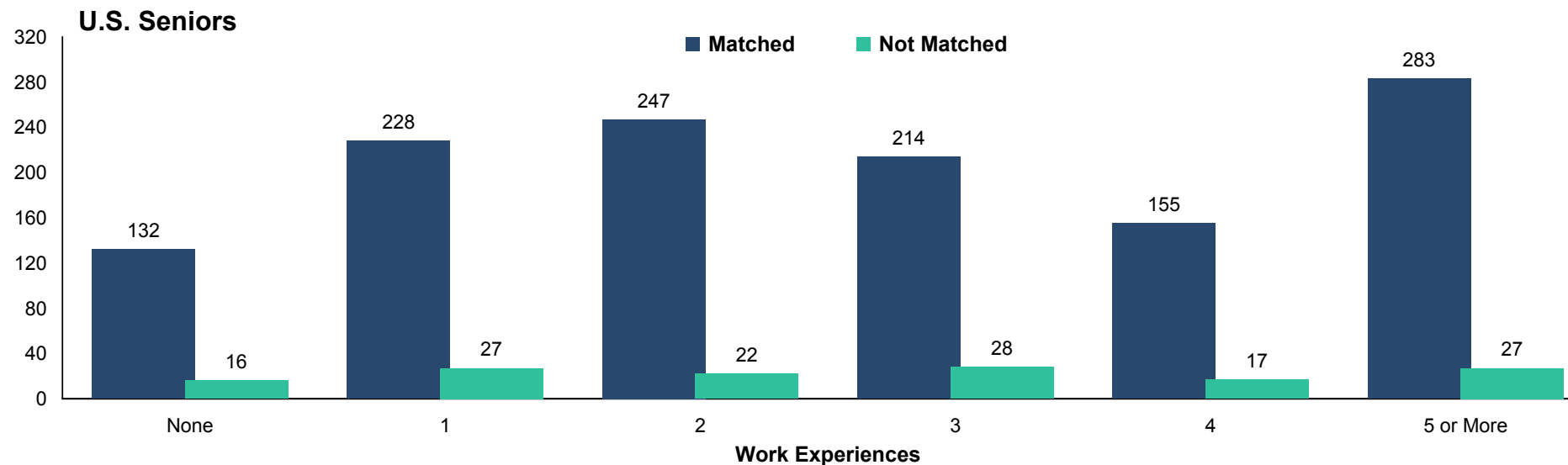
Number of Abstracts, Presentations, and Publications *Emergency Medicine*



Source: NRMP Data Warehouse and AAMC Data Warehouse

**Chart
EM-7**

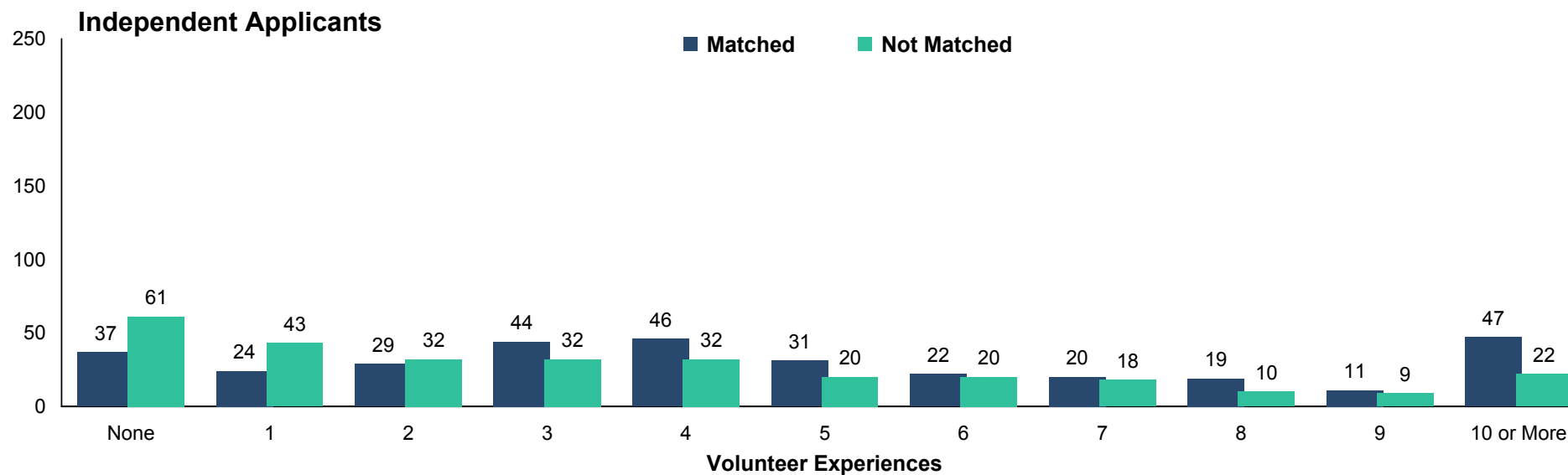
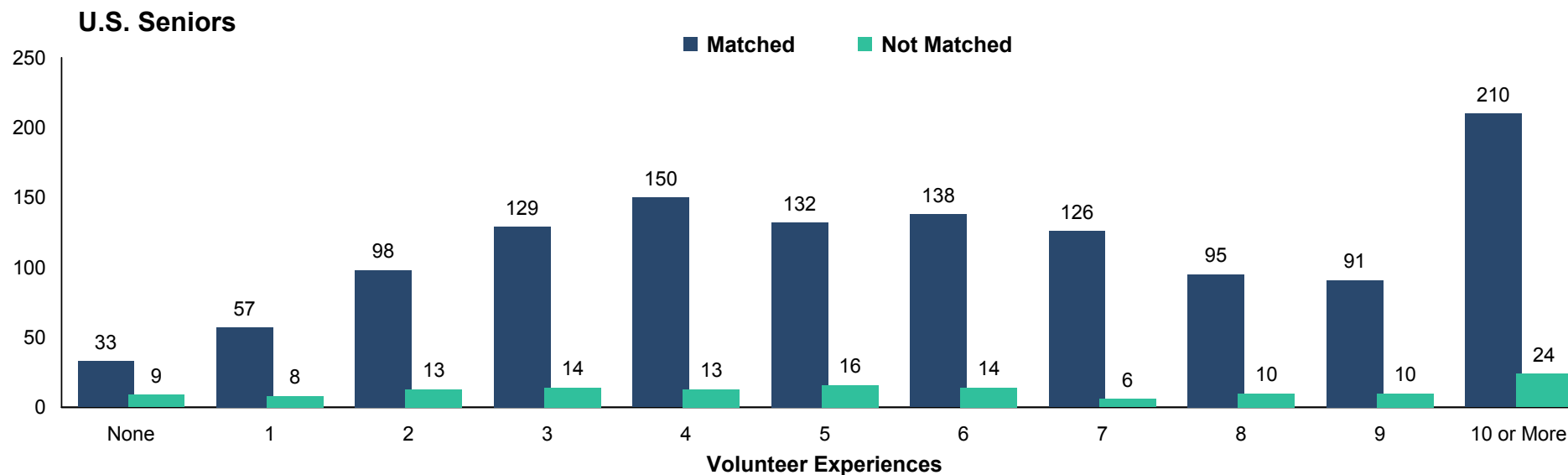
Number of Work Experiences
Emergency Medicine



Source: NRMP Data Warehouse and AAMC Data Warehouse

Chart EM-8

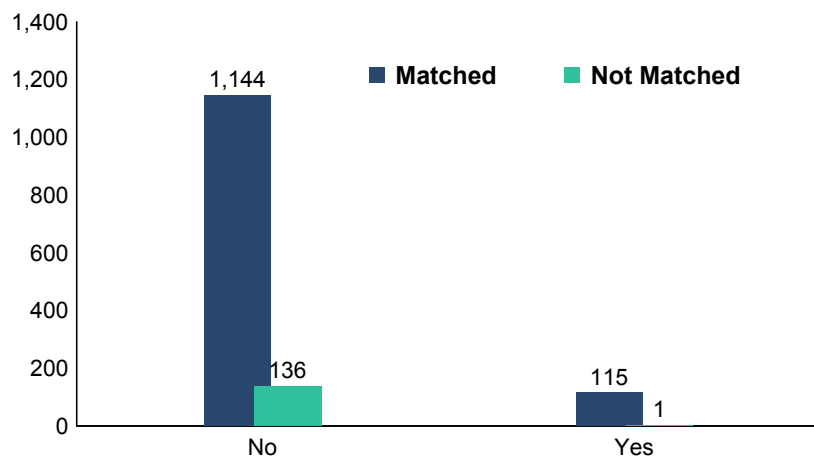
Number of Volunteer Experiences *Emergency Medicine*



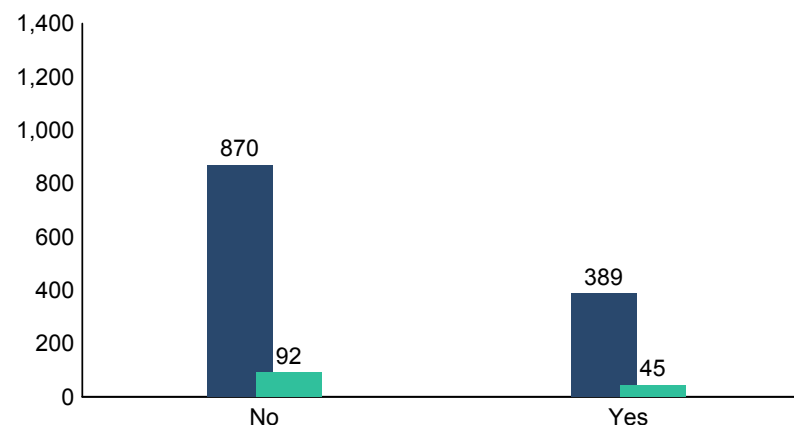
Source: NRMP Data Warehouse and AAMC Data Warehouse

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

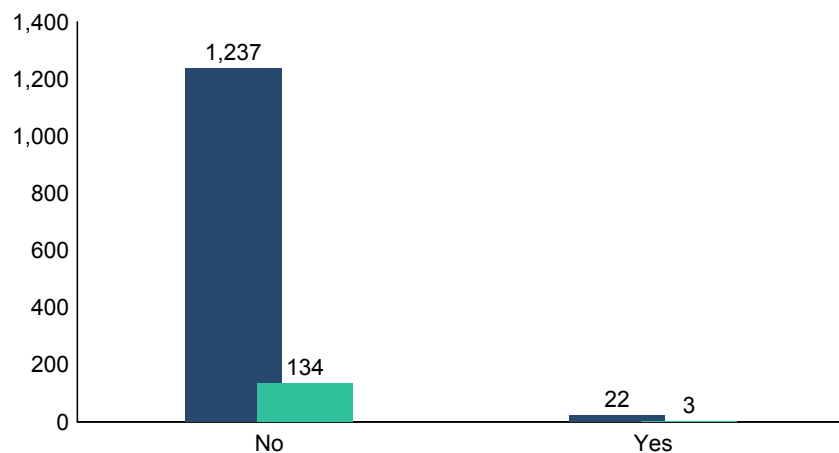
AOA Membership



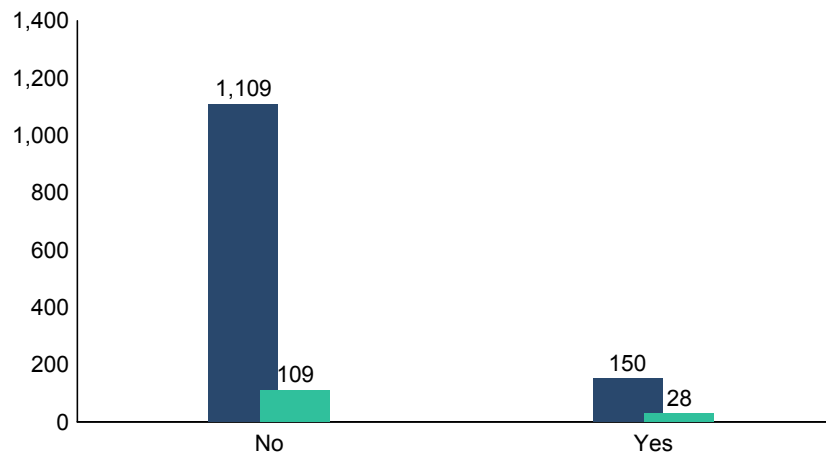
Graduate of One of the 40 U.S. Medical Schools with the Highest NIH Funding



Ph.D. Degree



Other Graduate Degree



Source: 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

FM **Family Medicine**

Measure	U.S. Seniors		Independent Applicants	
	Matched (n=1,265)	Unmatched (n=40)	Matched (n=1,000)	Unmatched (n=1,246)
1. Mean number of contiguous ranks	8.0	4.7	5.2	2.6
2. Mean number of distinct specialties ranked	1.1	1.4	1.3	1.5
3. Mean USMLE Step 1 score	213	201	204	198
4. Mean USMLE Step 2 score	225	205	208	202
5. Mean number of research experiences	1.4	1.2	1.0	1.0
6. Mean number of abstracts, presentations, and publications	1.6	1.4	1.3	1.9
7. Mean number of work experiences	2.9	3.7	3.7	4.5
8. Mean number of volunteer experiences	6.7	5.0	4.2	2.7
9. Percentage who are AOA members	6.5	0.0	n/a	n/a
10. Percentage who graduated from one of the 40 U.S. medical schools with the highest NIH funding	30.4	35.0	n/a	n/a
11. Percentage who have Ph.D. degree	0.9	0.0	n/a	n/a
12. Percentage who have another graduate degree	11.1	35.0	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.

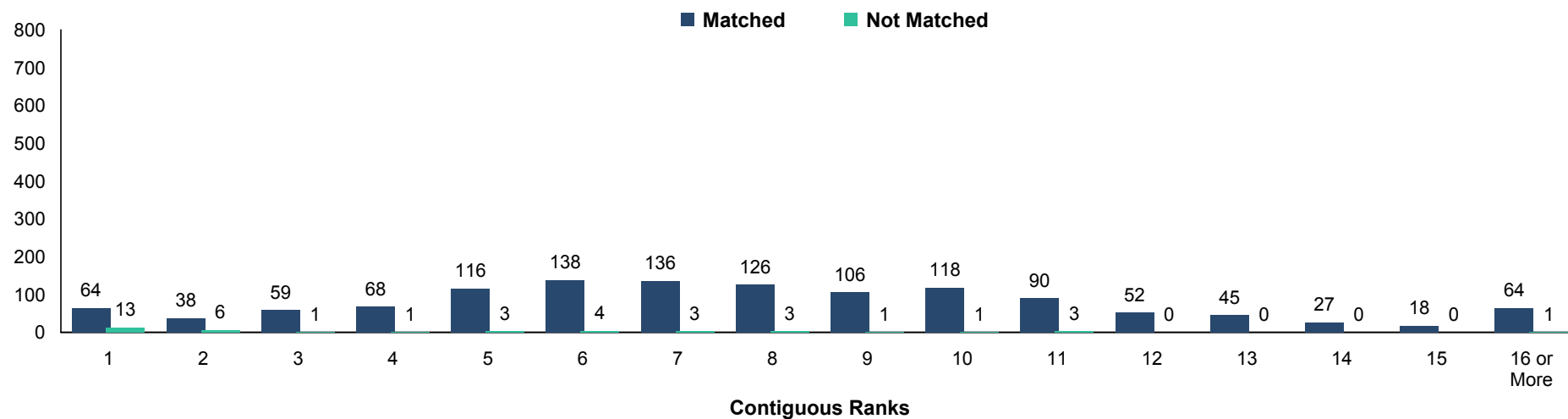
Sources: Measures 1, 2, and match outcome are from the NRMP Data Warehouse; measures 3 and 4 are from the AAMC Data Warehouse and from the ECFMG, both by permission of the NBME and ECFMG; measures 5-9 are from the AAMC Data Warehouse; measure 10 is from the NIH website (<http://report.nih.gov/award/trends/AggregateDate.cfm> 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 20 percent of U.S. allopathic medical school seniors do not take the USMLE Step 2 prior to the Match.

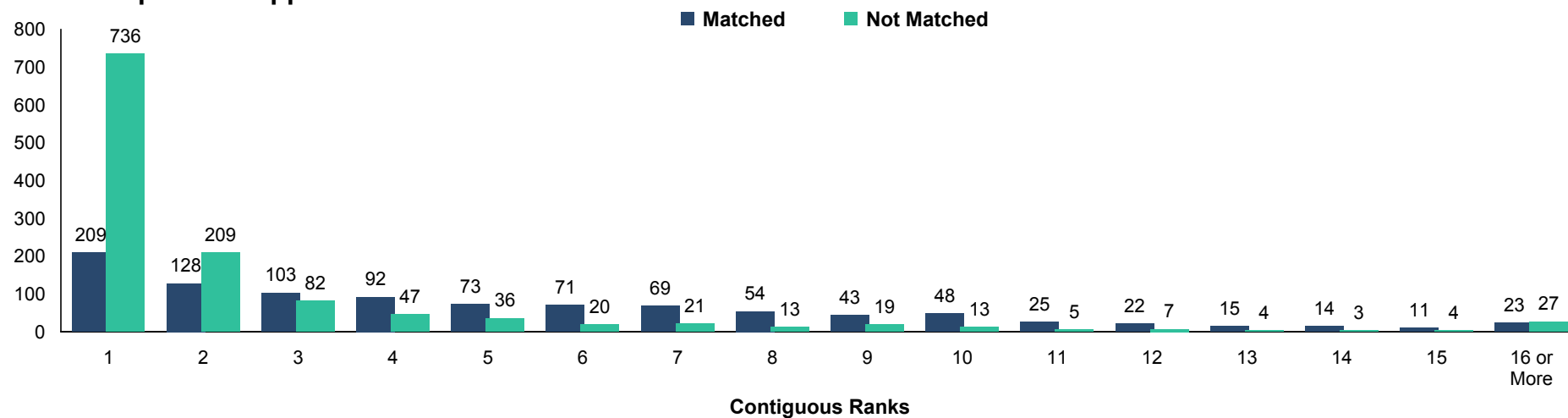
**Chart
FM-1**

Number of Contiguous Ranks Within Preferred Specialty *Family Medicine*

U.S. Seniors

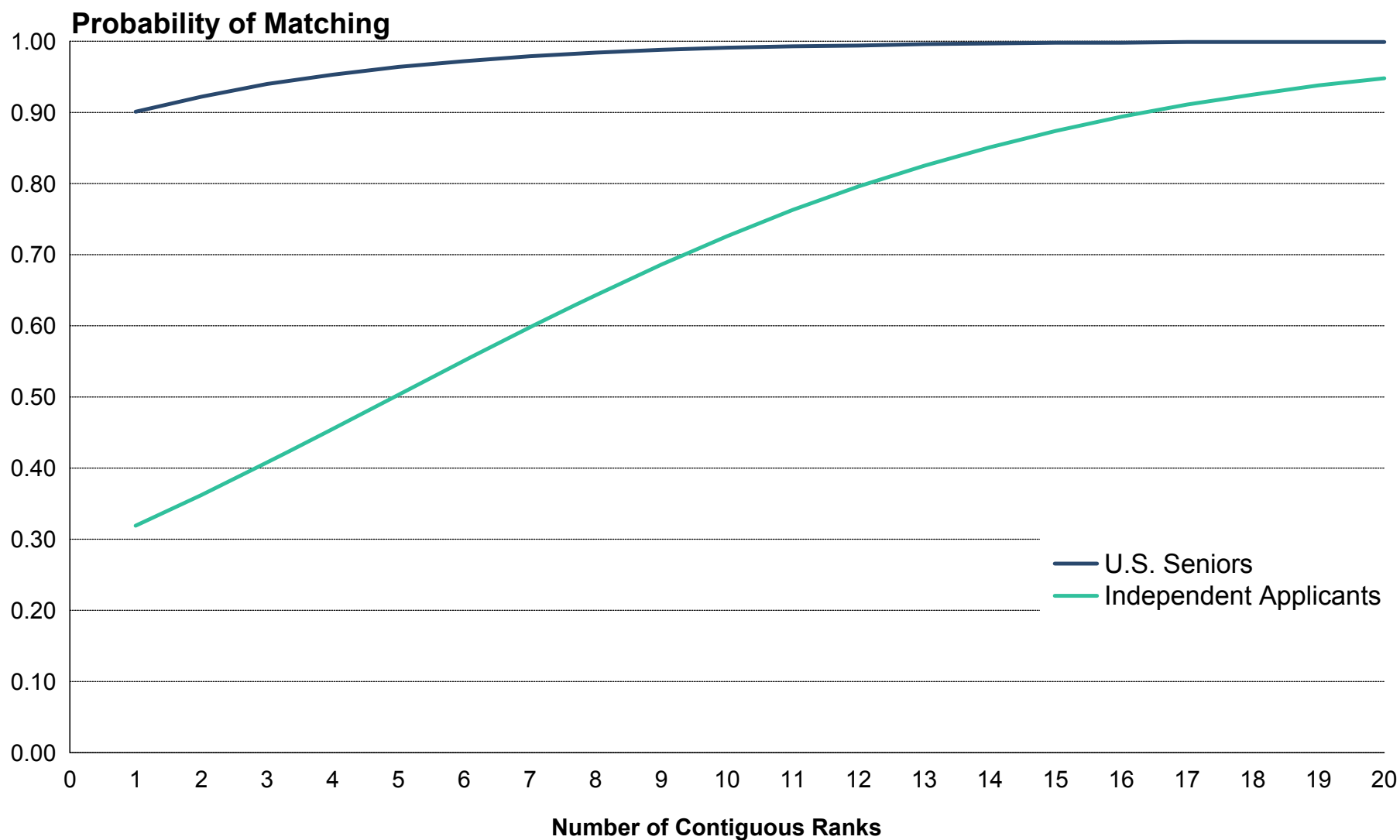


Independent Applicants



Source: NRMP Data Warehouse

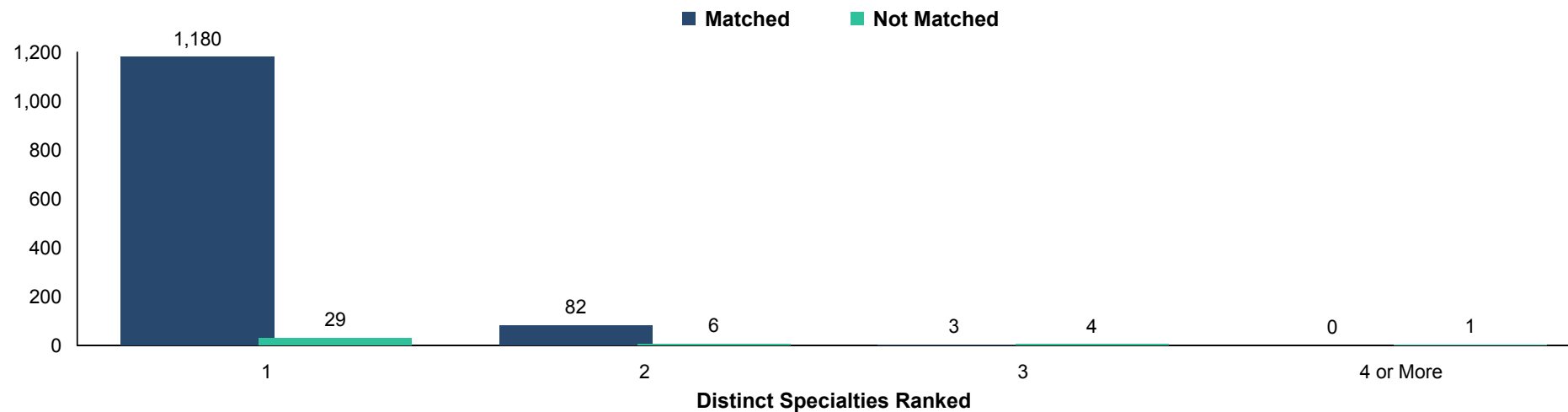
Probability of Matching to Preferred Specialty by Number of Contiguous Ranks *Family Medicine*



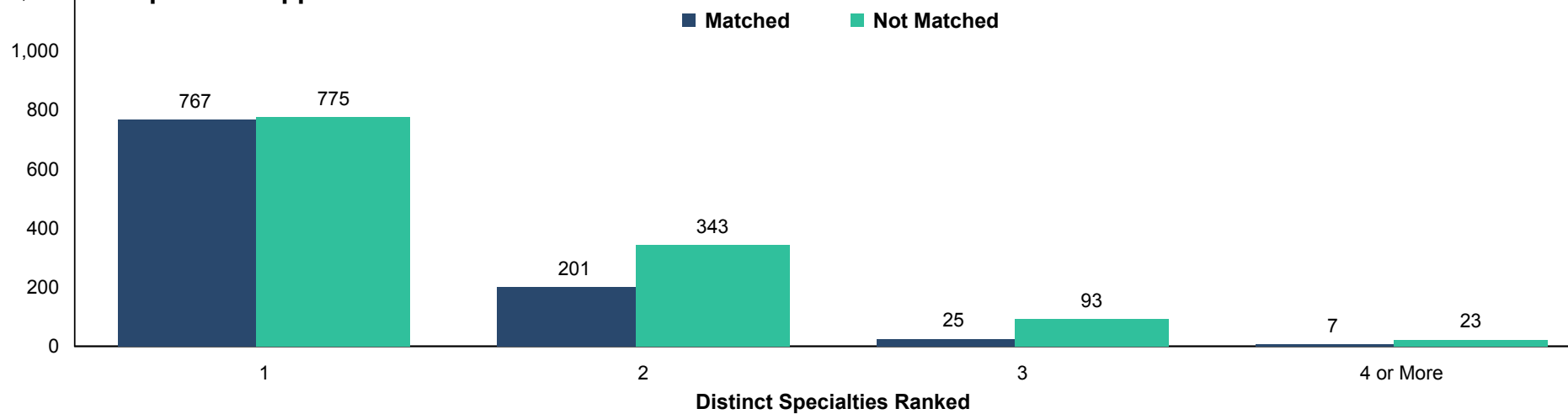
Source: NRMP Data Warehouse. Note: Probabilities calculated based on 2009-2011 applicants

Number of Distinct Specialties Ranked *Family Medicine*

U.S. Seniors



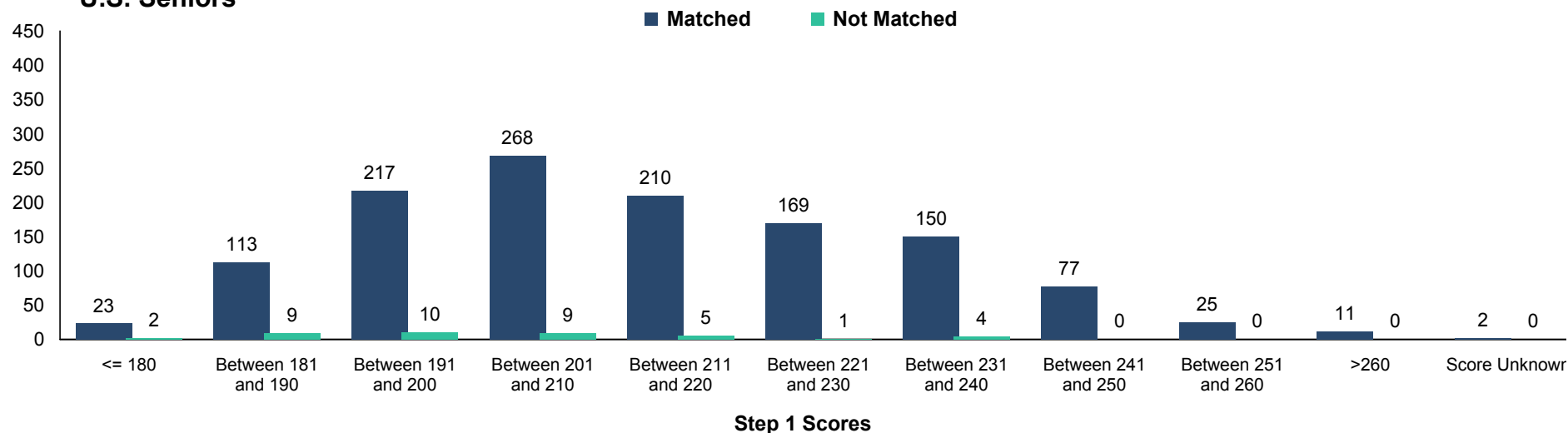
Independent Applicants



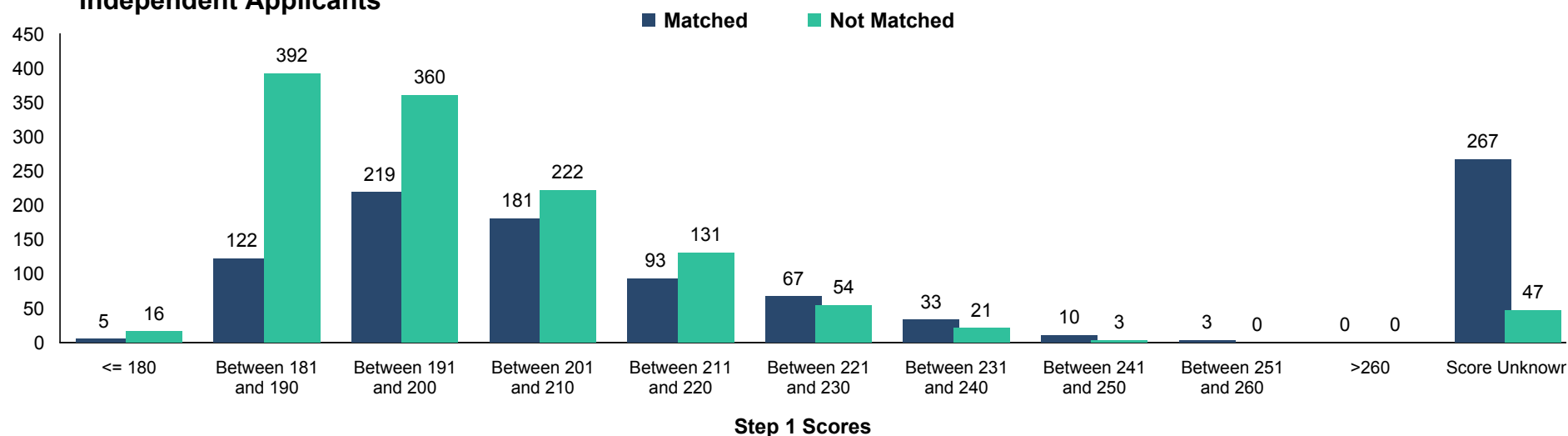
Source: NRMP Data Warehouse

USMLE Step 1 Scores Family Medicine

U.S. Seniors

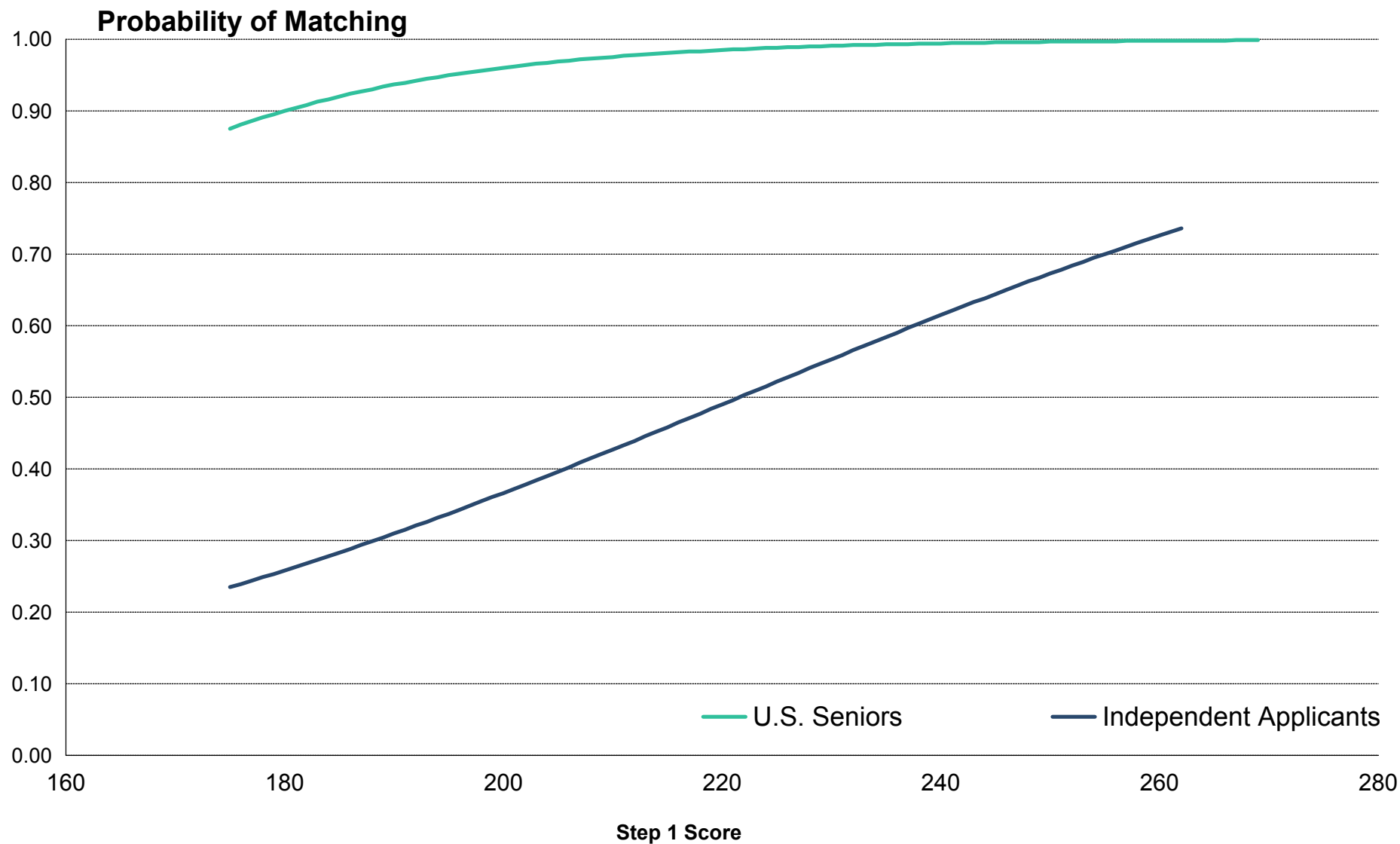


Independent Applicants



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

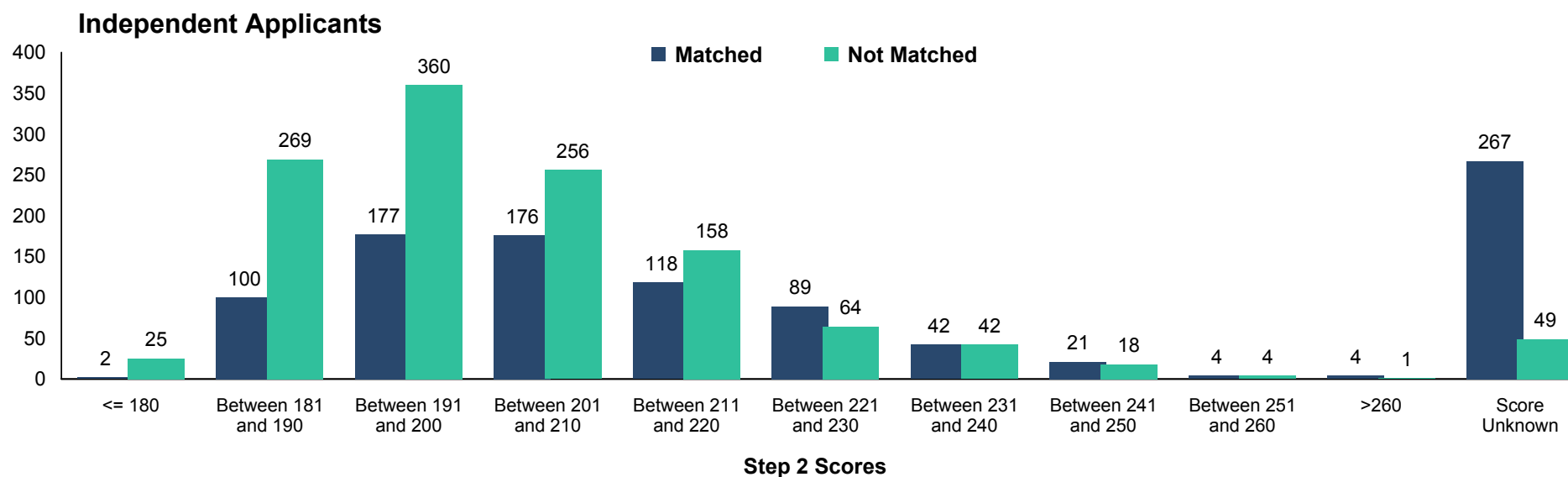
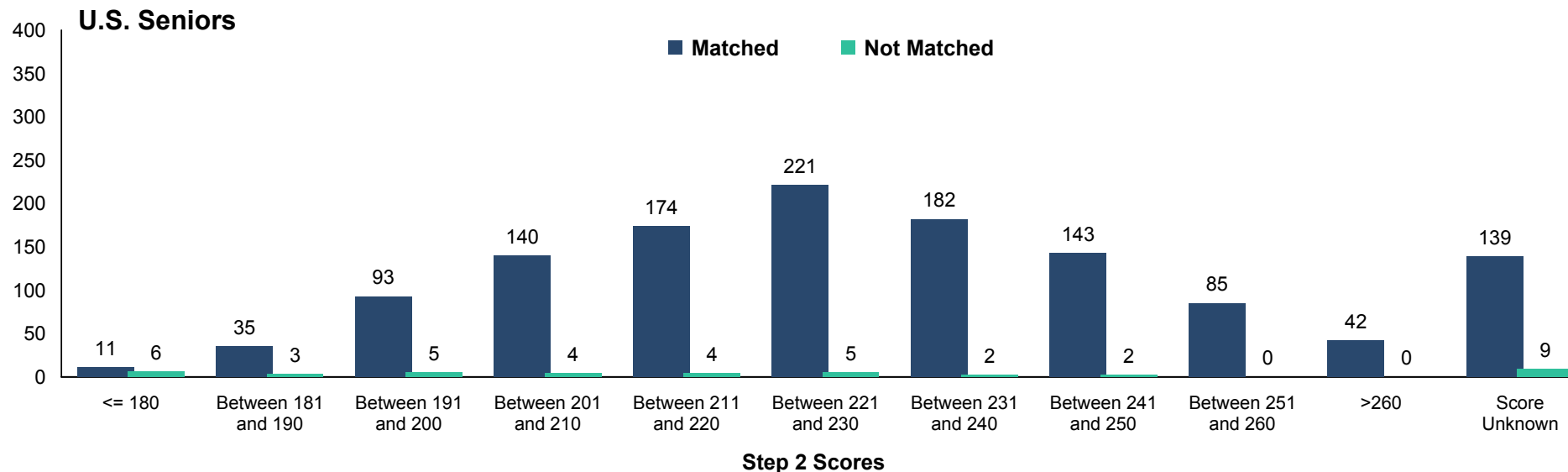
Probability of Matching to Preferred Specialty by USMLE Step 1 Score *Family Medicine*



Source: NRMP Data Warehouse and AAMC Data Warehouse. USMLE scores by permission of the NBME and ECFMG. Note: Probabilities calculated based on 2009-2011 applicants.

**Chart
FM-4**

USMLE Step 2 Scores *Family Medicine*

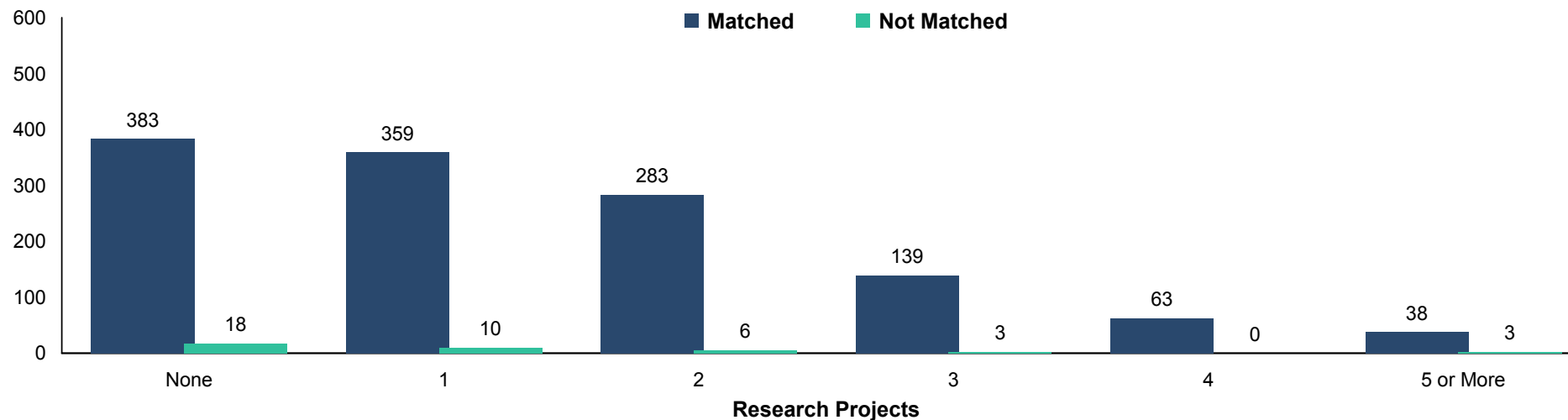


Source: NRMP Data Warehouse and AAMC Data Warehouse. USMLE scores by permission of the NBME and ECFMG.

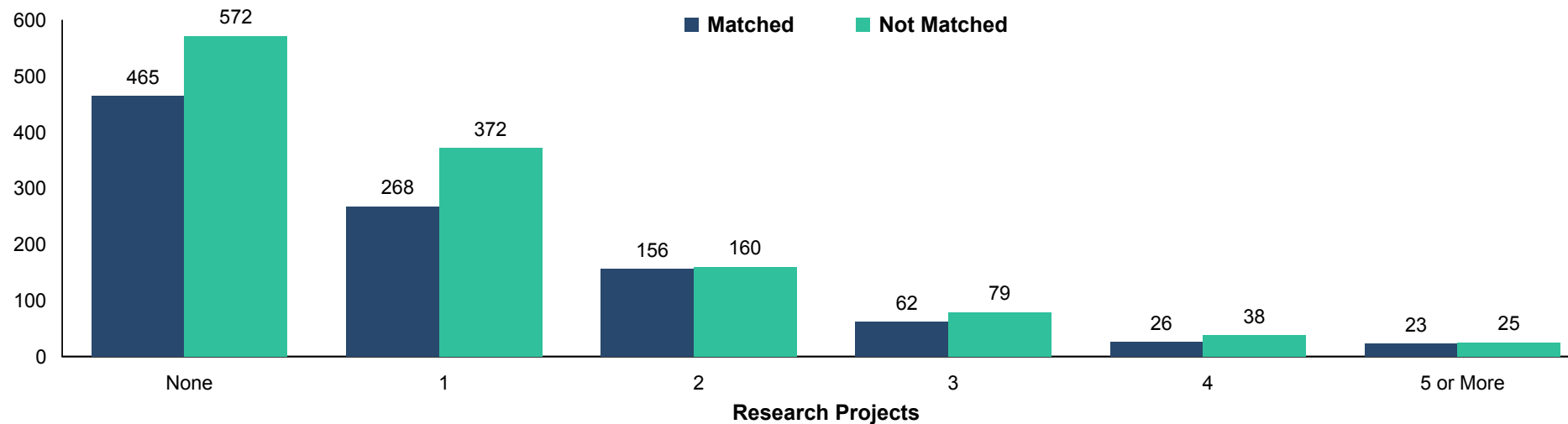
**Chart
FM-5**

Number of Research Projects *Family Medicine*

U.S. Seniors



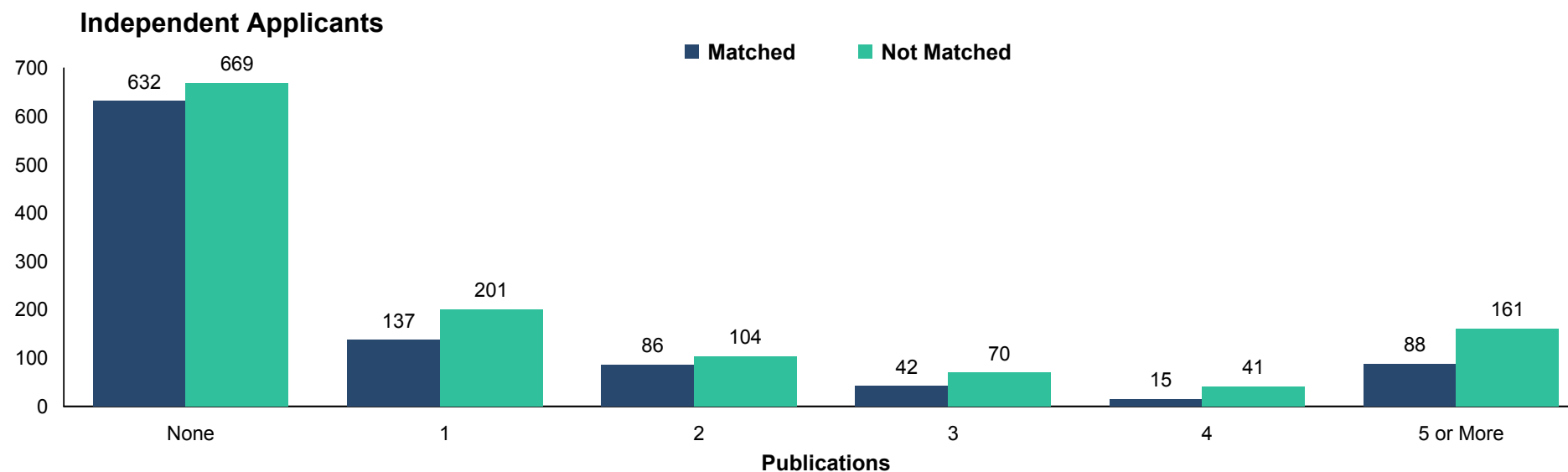
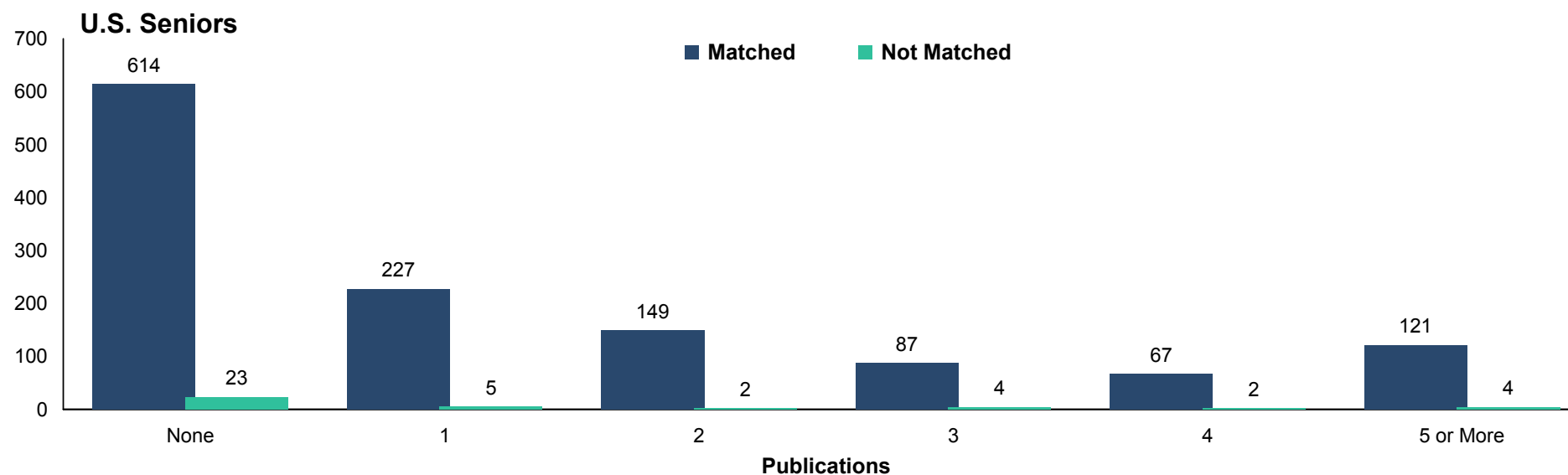
Independent Applicants



Source: NRMP Data Warehouse and AAMC Data Warehouse

**Chart
FM-6**

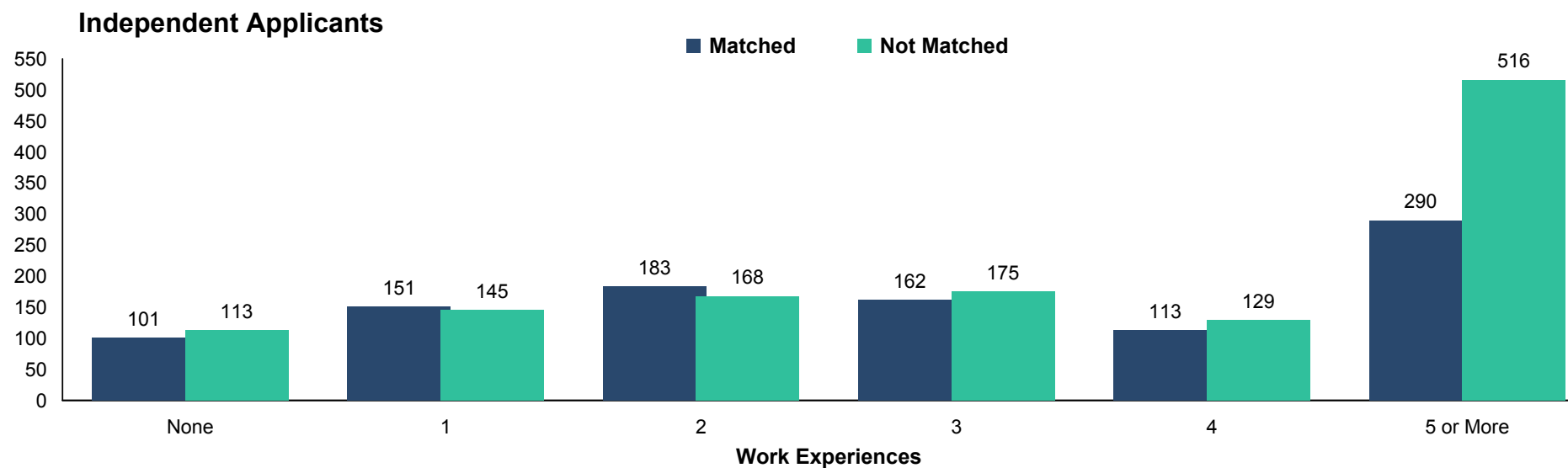
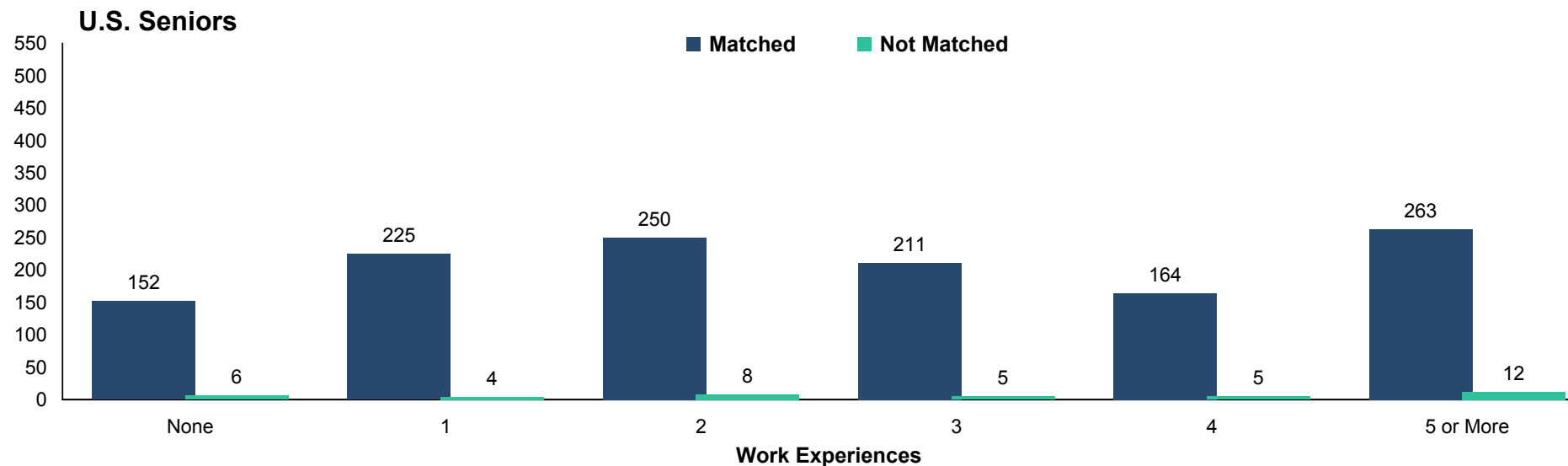
Number of Abstracts, Presentations, and Publications *Family Medicine*



Source: NRMP Data Warehouse and AAMC Data Warehouse

**Chart
FM-7**

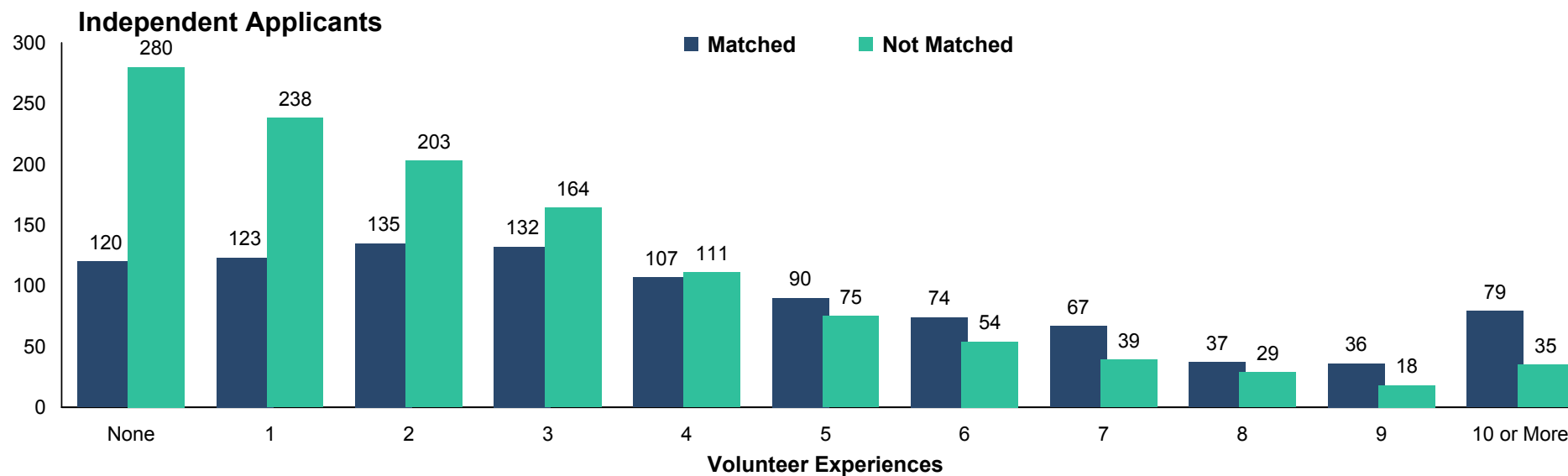
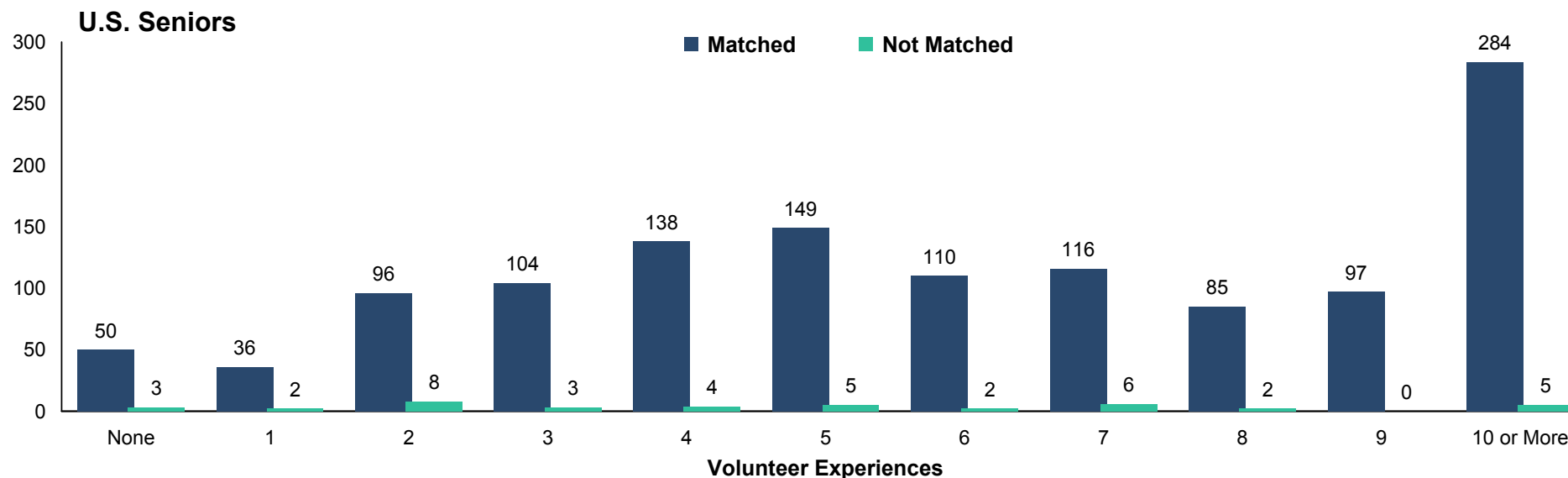
Number of Work Experiences *Family Medicine*



Source: NRMP Data Warehouse and AAMC Data Warehouse

**Chart
FM-8**

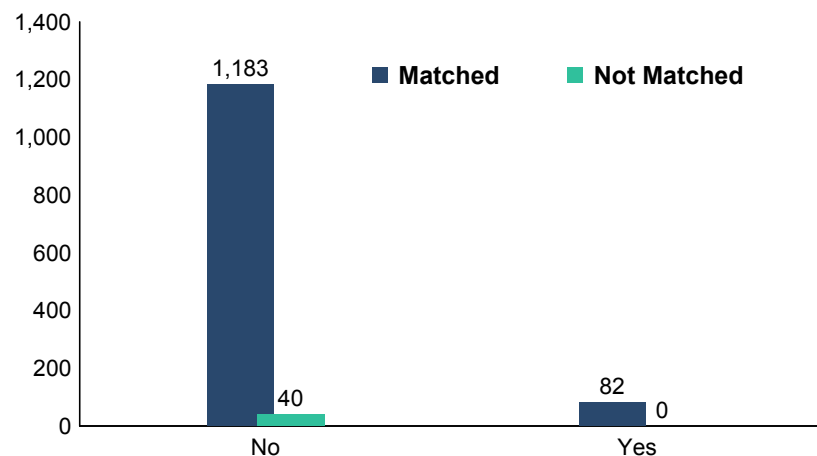
Number of Volunteer Experiences *Family Medicine*



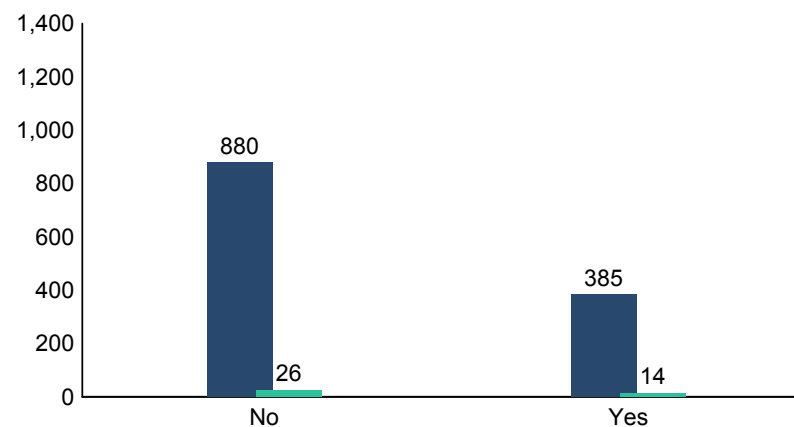
Source: NRMP Data Warehouse and AAMC Data Warehouse

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

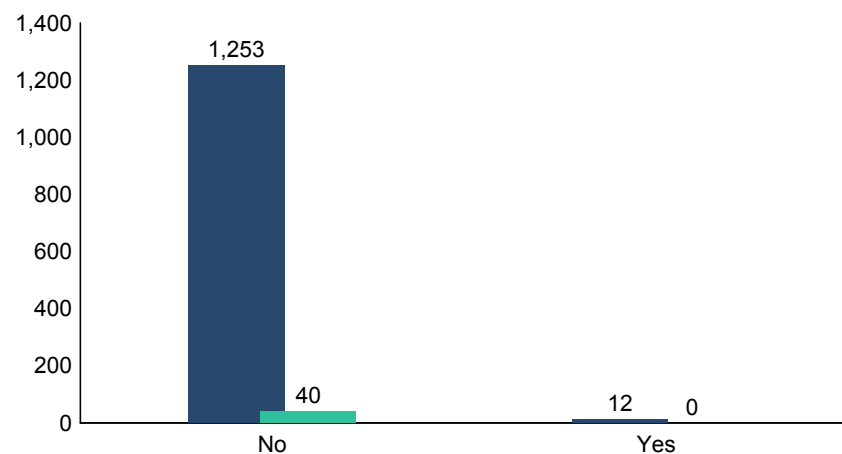
AOA Membership



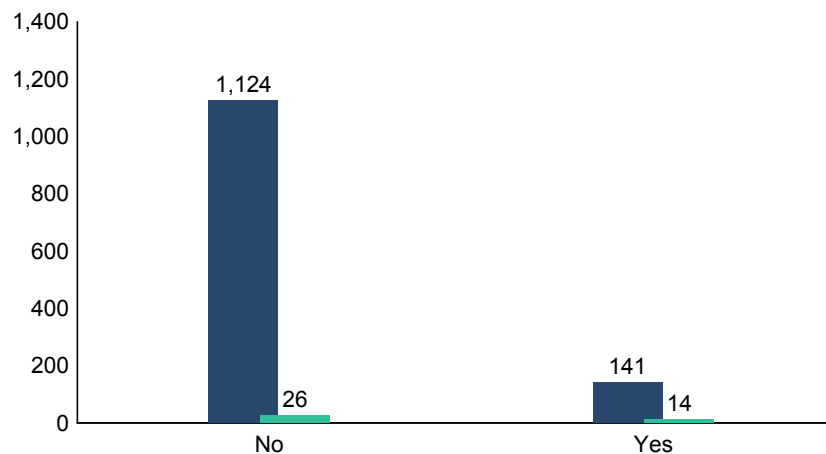
Graduate of One of the 40 U.S. Medical Schools with the Highest NIH Funding



Ph.D. Degree



Other Graduate Degree



Source: 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

GS **General Surgery**

Measure	U.S. Seniors		Independent Applicants	
	Matched (n=830)	Unmatched (n=205)	Matched (n=192)	Unmatched (n=529)
1. Mean number of contiguous ranks	11.2	5.9	6.1	2.7
2. Mean number of distinct specialties ranked	1.0	1.1	1.1	1.3
3. Mean USMLE Step 1 score	227	207	227	219
4. Mean USMLE Step 2 score	238	216	232	222
5. Mean number of research experiences	2.6	2.3	2.1	1.7
6. Mean number of abstracts, presentations, and publications	3.3	2.5	4.1	3.9
7. Mean number of work experiences	2.7	2.8	2.8	3.2
8. Mean number of volunteer experiences	6.2	6.1	4.3	3.6
9. Percentage who are AOA members	13.1	1.0	n/a	n/a
10. Percentage who graduated from one of the 40 U.S. medical schools with the highest NIH funding	32.0	24.4	n/a	n/a
11. Percentage who have Ph.D. degree	2.2	2.4	n/a	n/a
12. Percentage who have another graduate degree	13.1	15.6	n/a	n/a

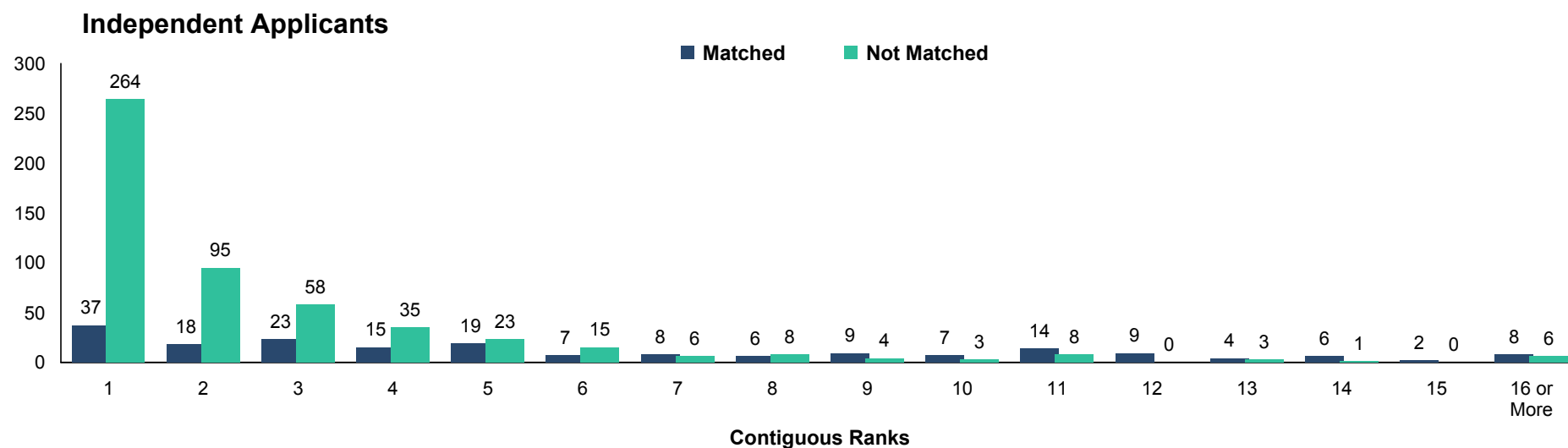
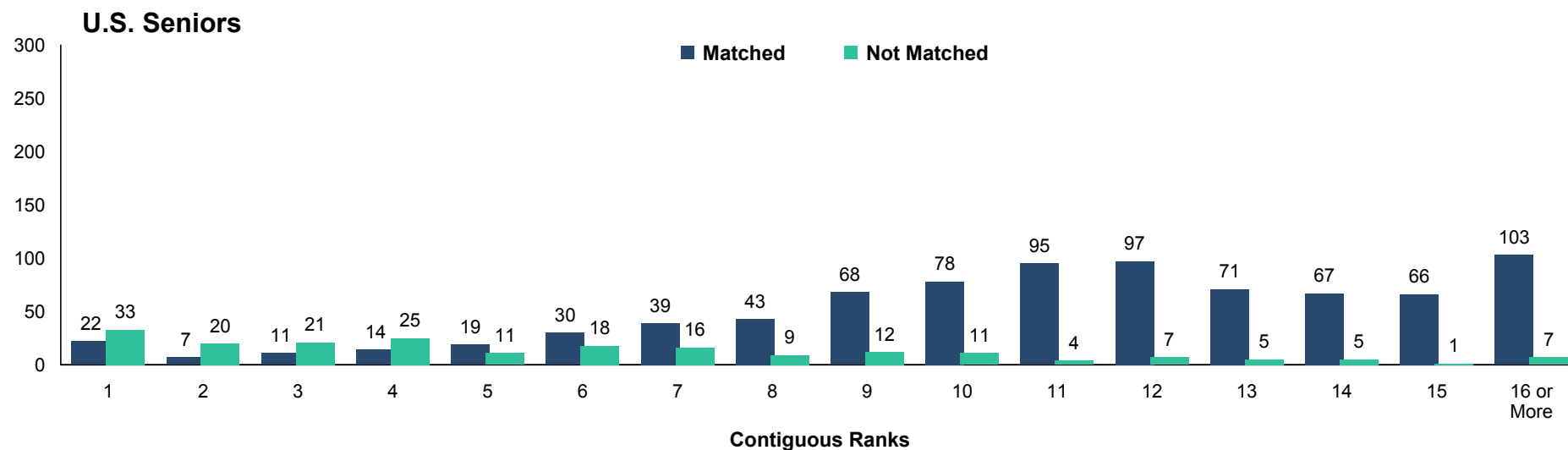
n/a: The measure either does not apply to, applies to only a small percentage of, or no reliable data were available for independent applicants.

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 20 percent of U.S. allopathic medical school seniors do not take the USMLE Step 2 prior to the Match.

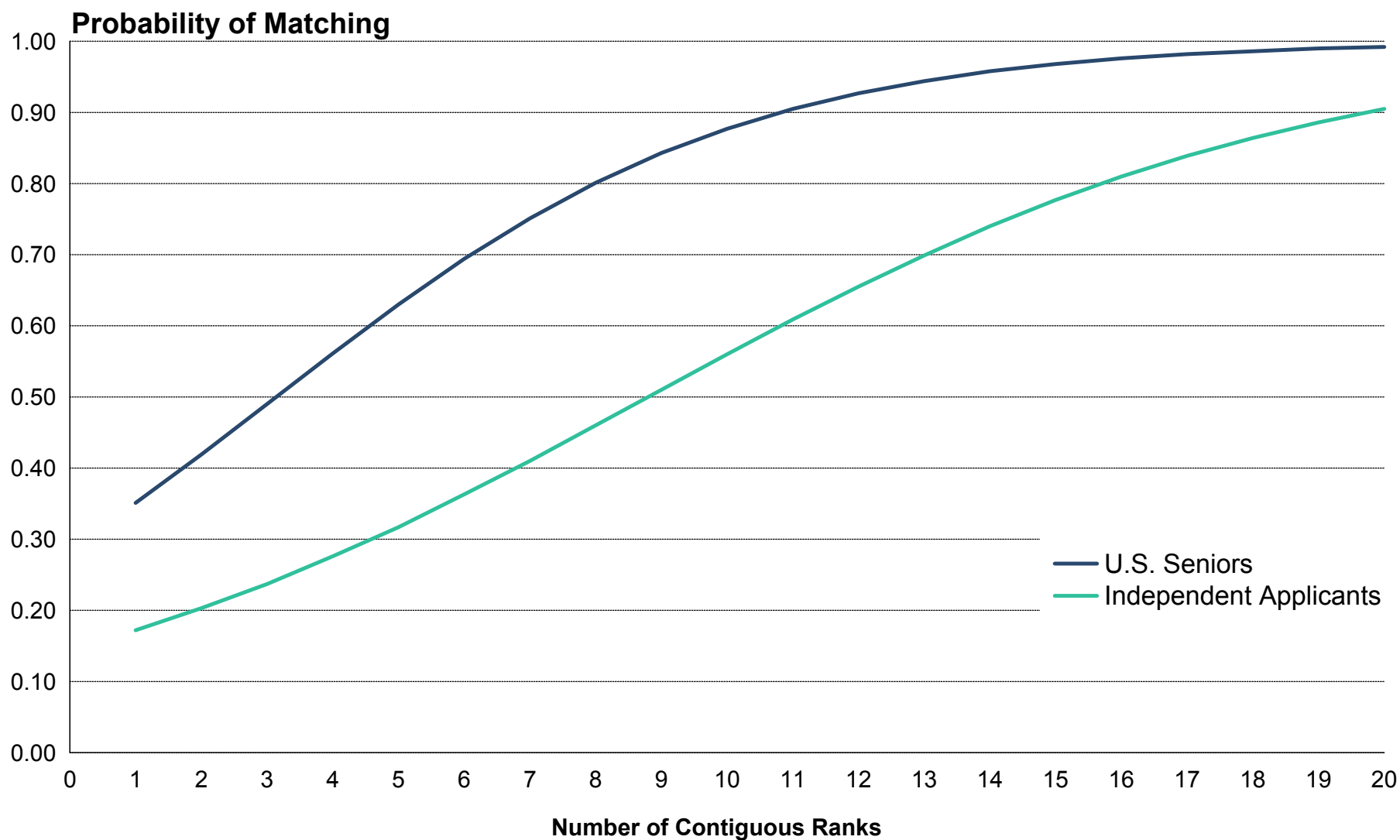
**Chart
GS-1**

Number of Contiguous Ranks Within Preferred Specialty *General Surgery*



Source: NRMP Data Warehouse

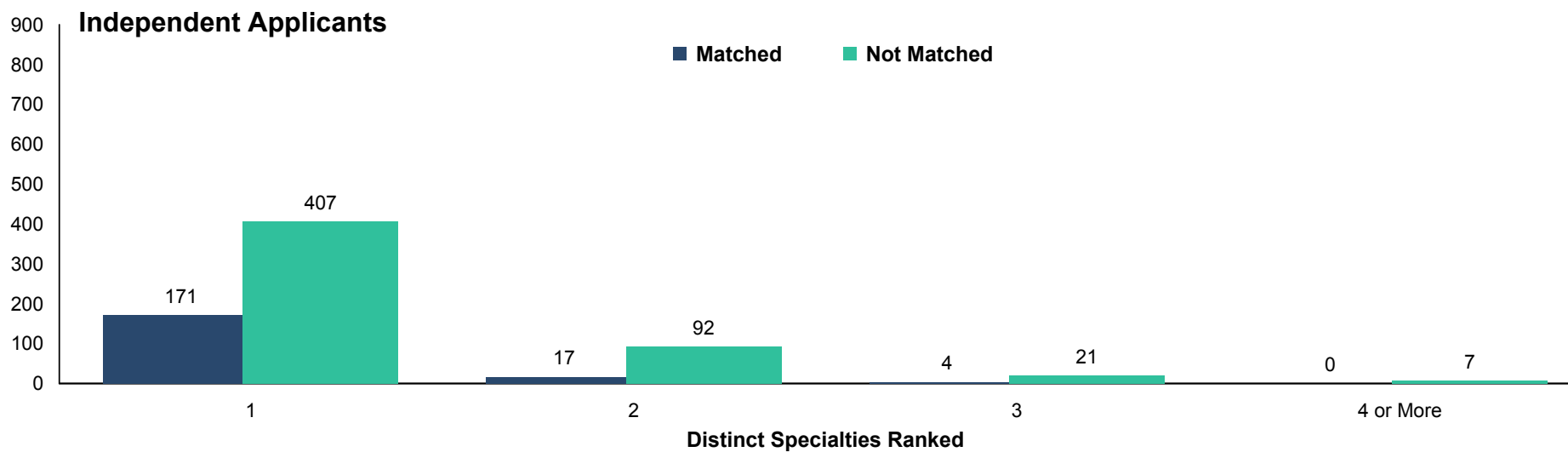
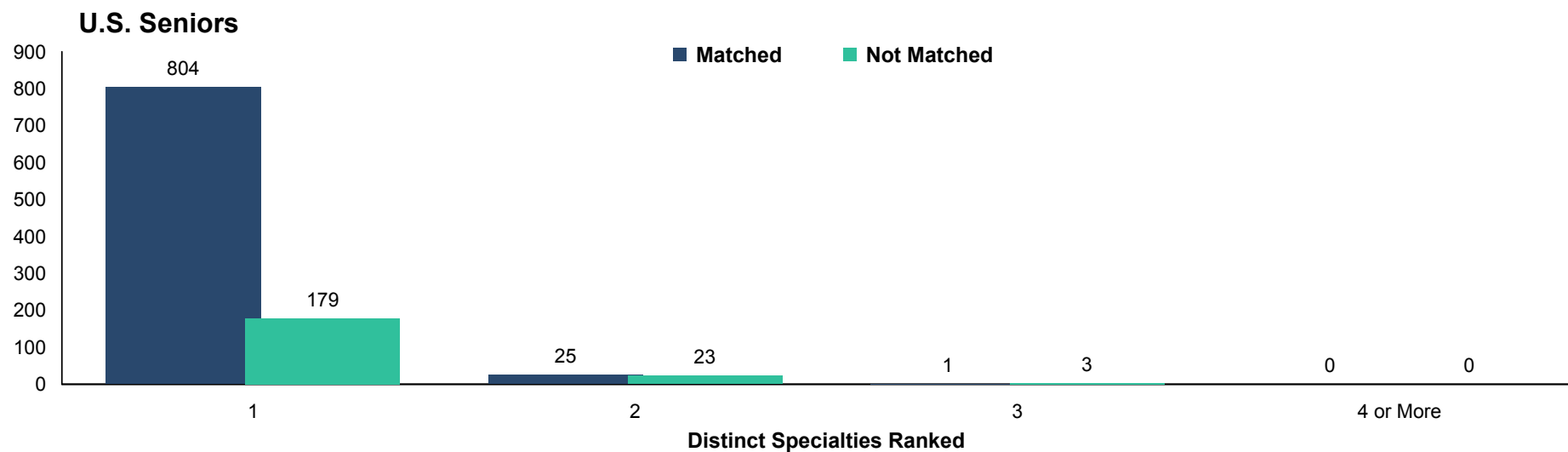
Probability of Matching to Preferred Specialty by Number of Contiguous Ranks *General Surgery*



Source: NRMP Data Warehouse. Note: Probabilities calculated based on 2009-2011 applicants

**Chart
GS-2**

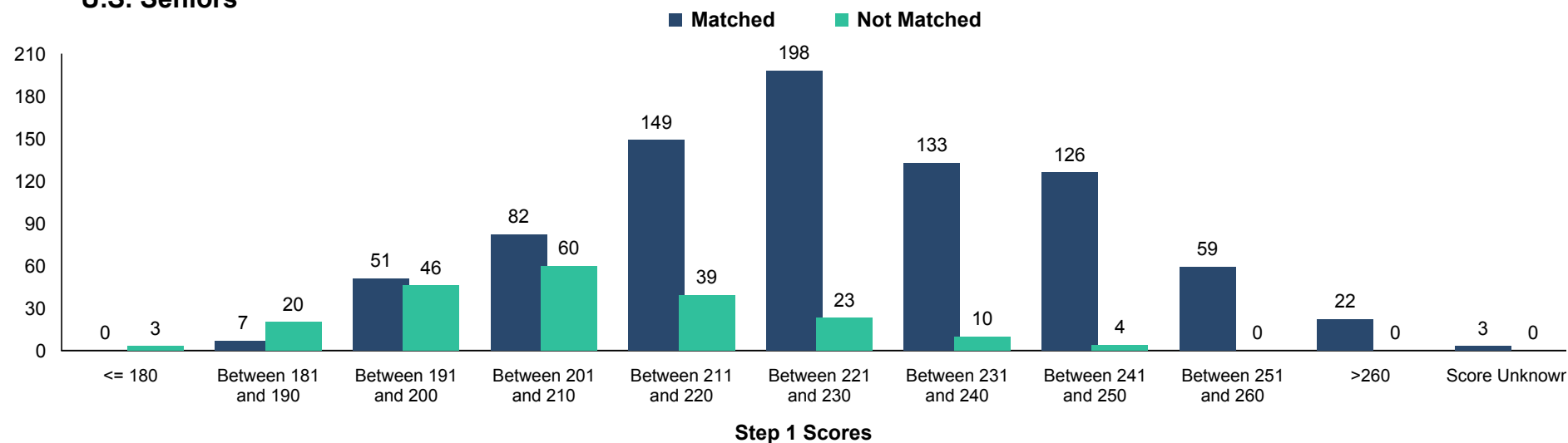
Number of Distinct Specialties Ranked *General Surgery*



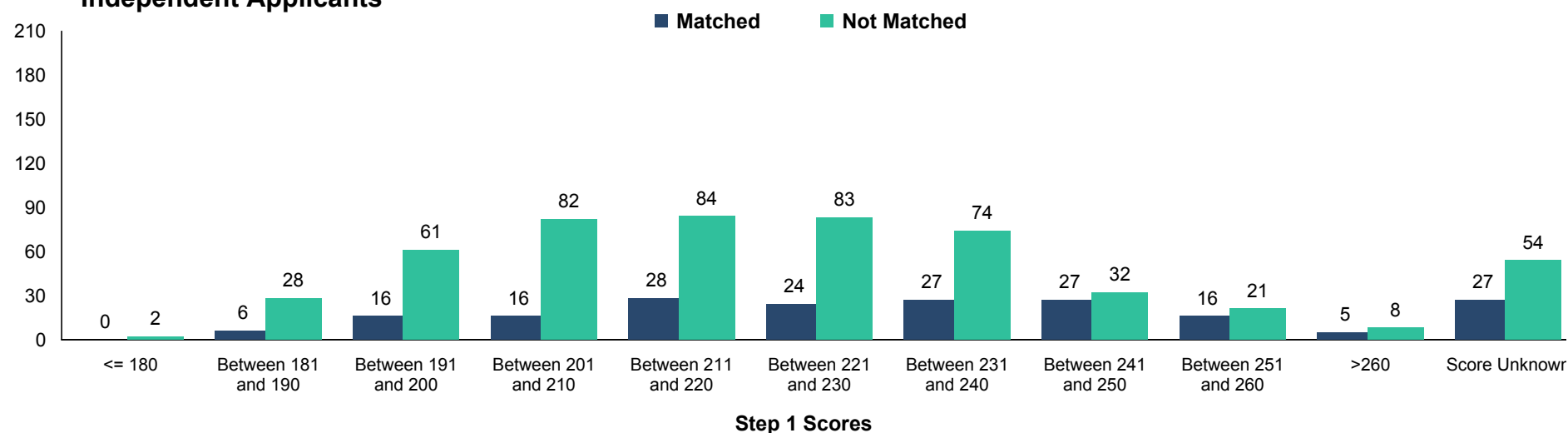
Source: NRMP Data Warehouse

USMLE Step 1 Scores General Surgery

U.S. Seniors

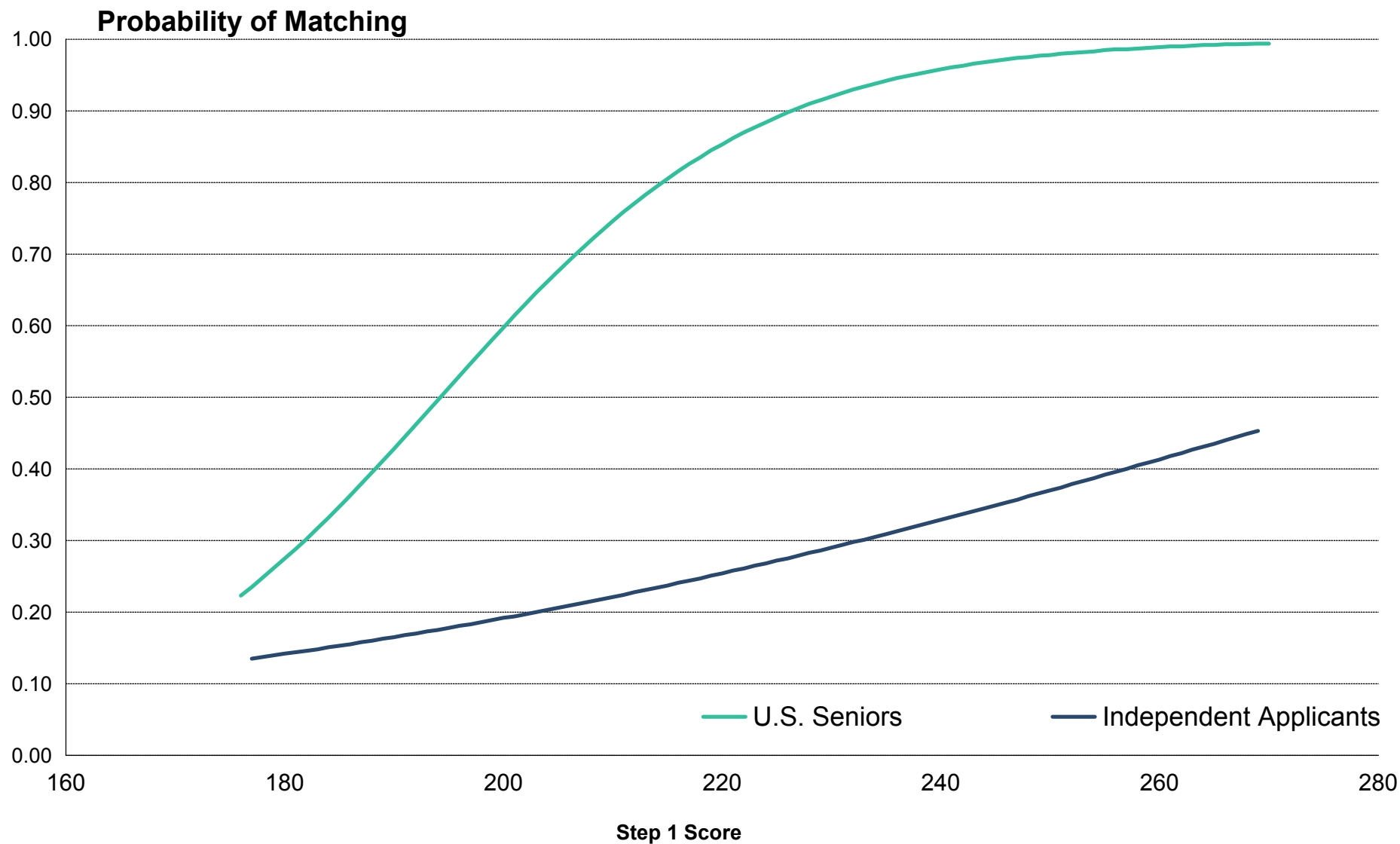


Independent Applicants



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

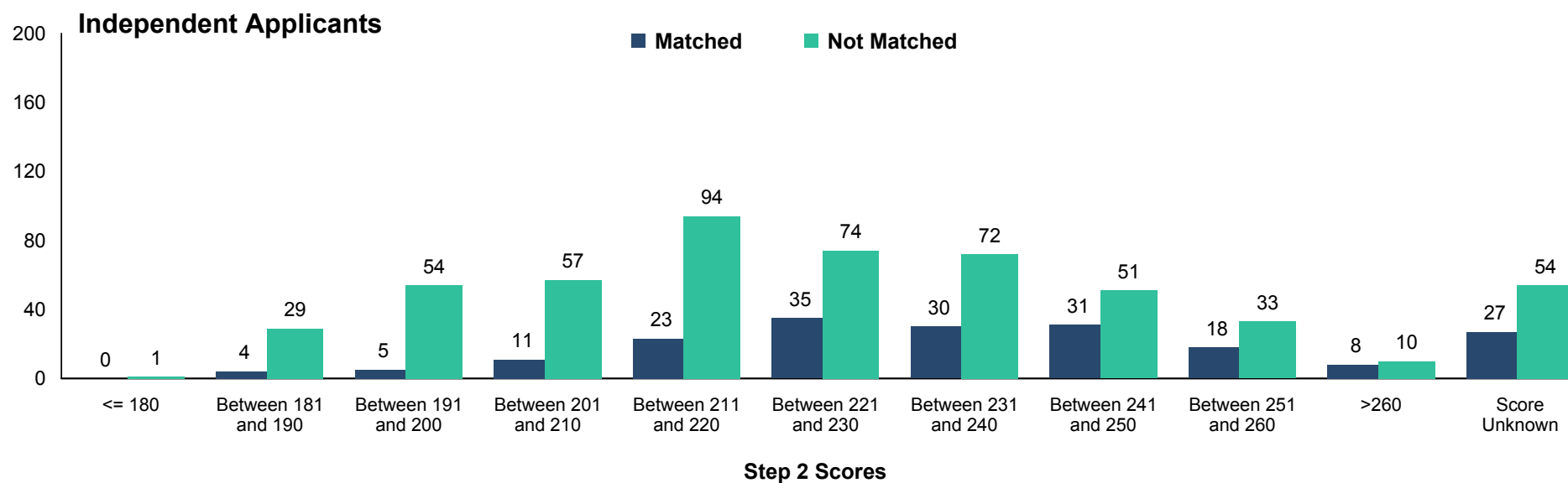
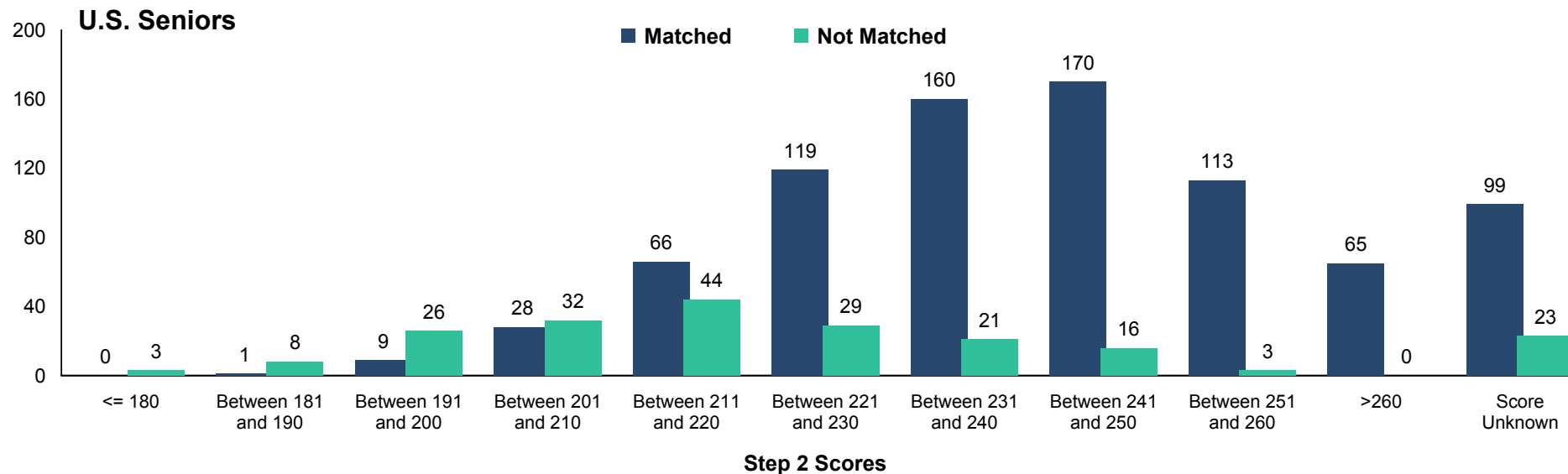
Probability of Matching to Preferred Specialty by USMLE Step 1 Score General Surgery



Source: NRMP Data Warehouse and AAMC Data Warehouse. USMLE scores by permission of the NBME and ECFMG. Note: Probabilities calculated based on 2009-2011 applicants.

**Chart
GS-4**

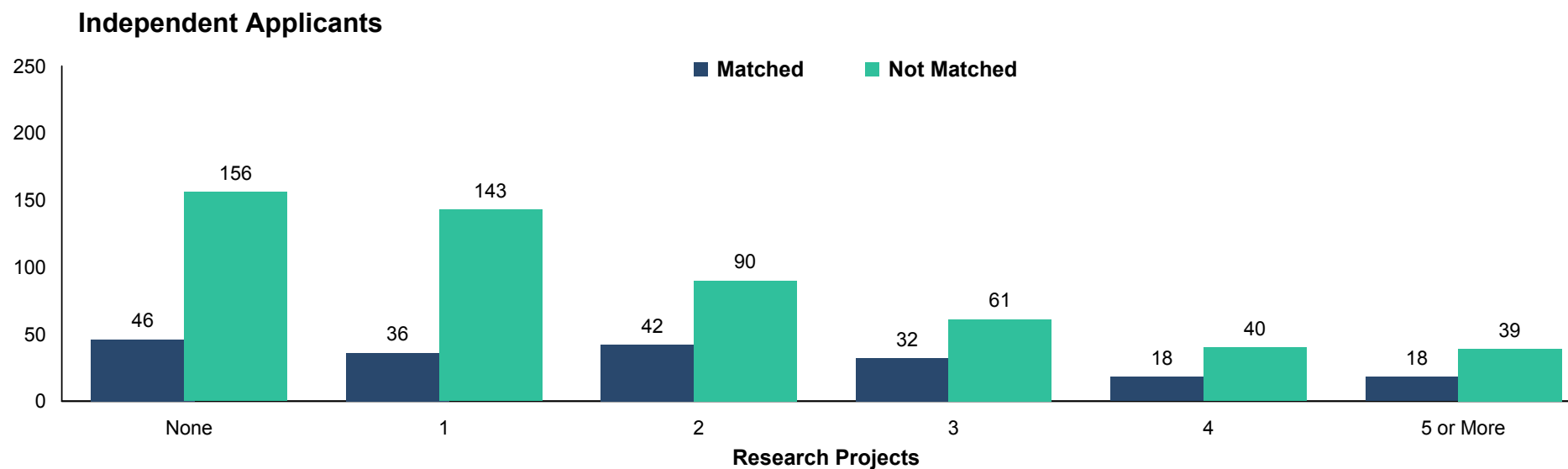
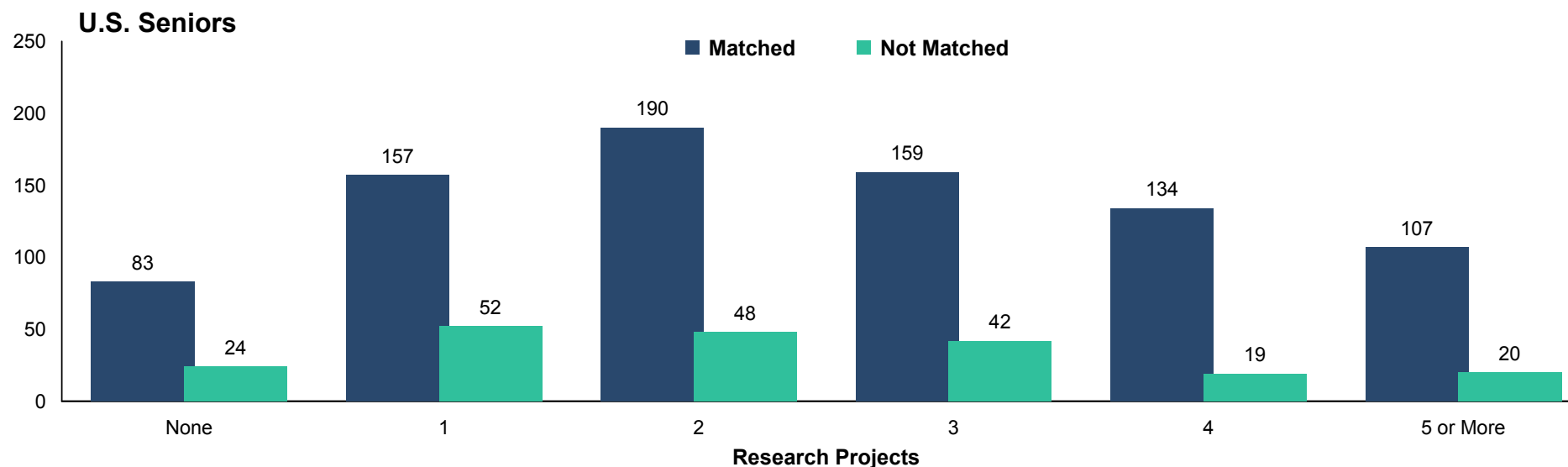
**USMLE Step 2 Scores
General Surgery**



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

**Chart
GS-5**

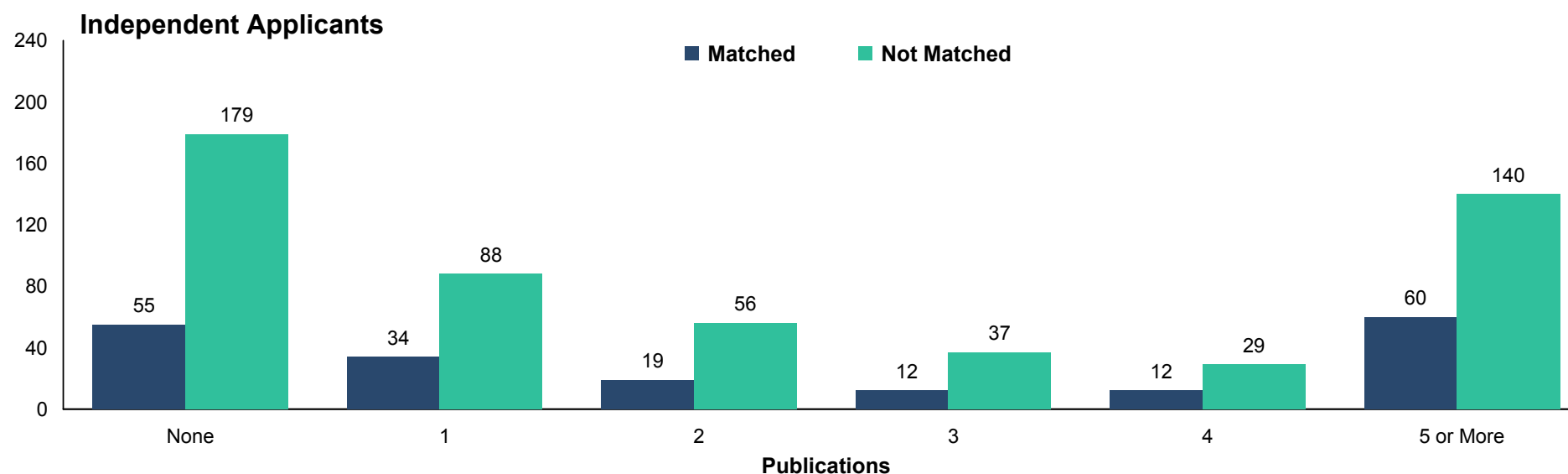
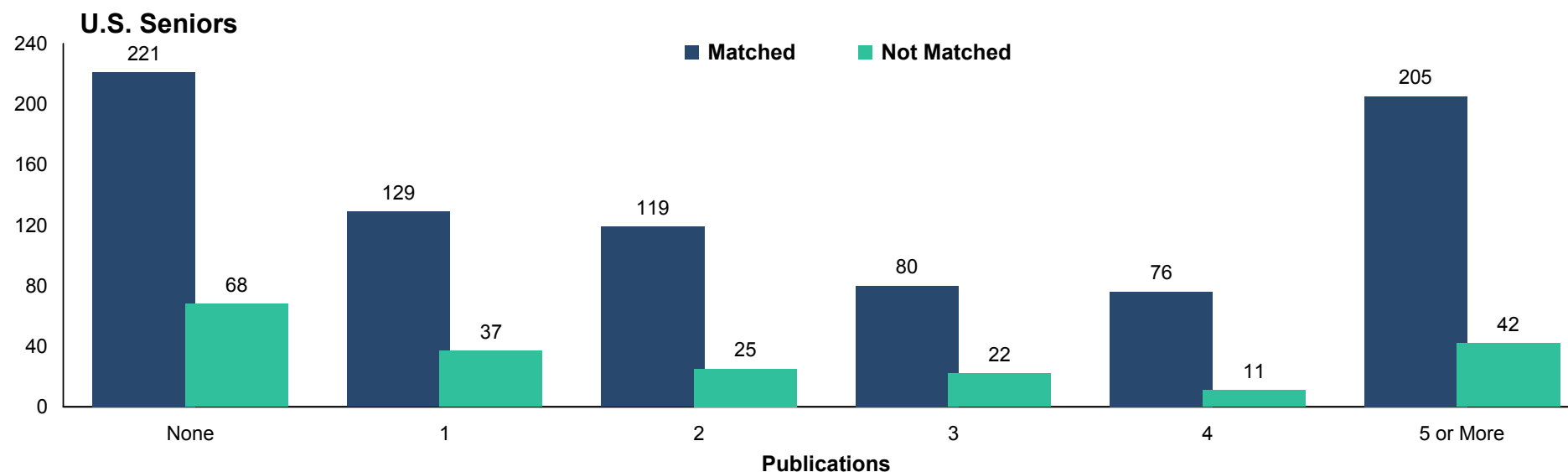
**Number of Research Projects
General Surgery**



Source: NRMP Data Warehouse and AAMC Data Warehouse

**Chart
GS-6**

Number of Abstracts, Presentations, and Publications General Surgery

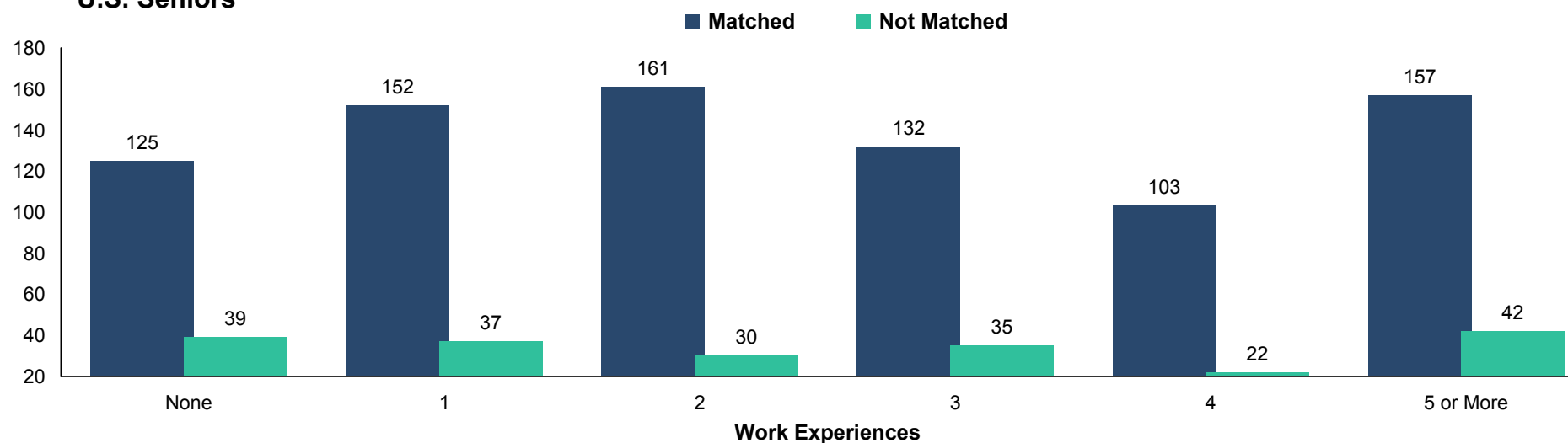


Source: NRMP Data Warehouse and AAMC Data Warehouse

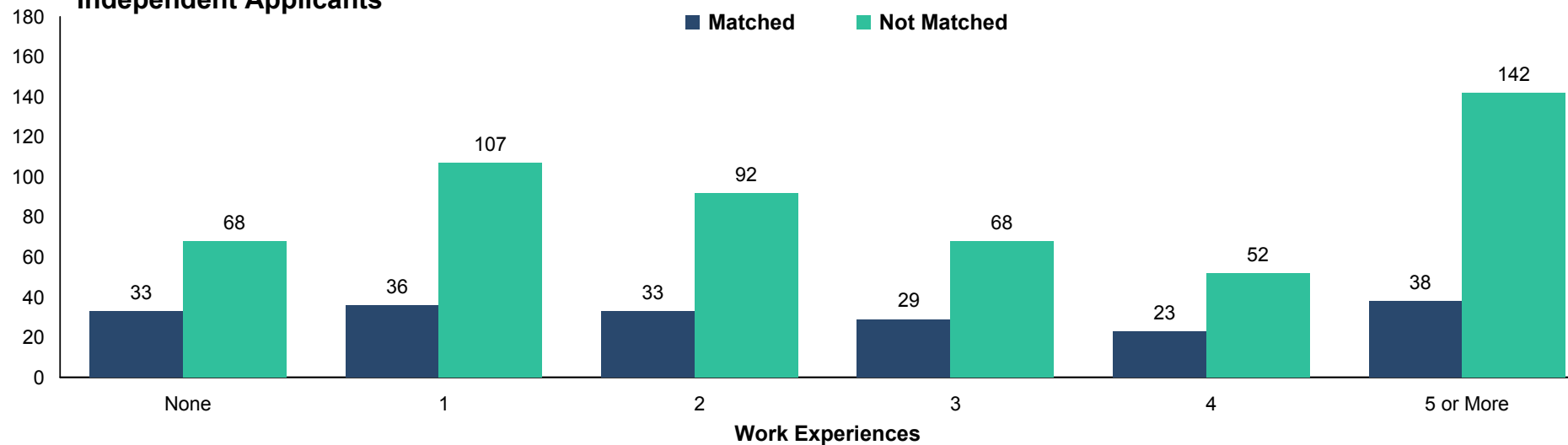
**Chart
GS-7**

Number of Work Experiences General Surgery

U.S. Seniors



Independent Applicants

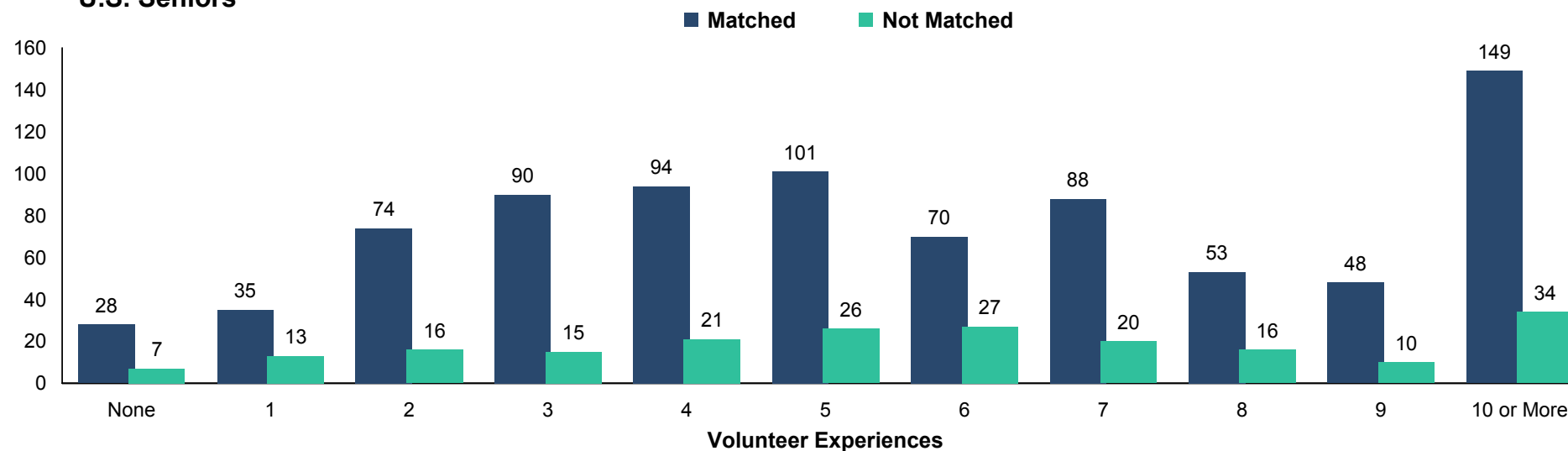


Source: NRMP Data Warehouse and AAMC Data Warehouse

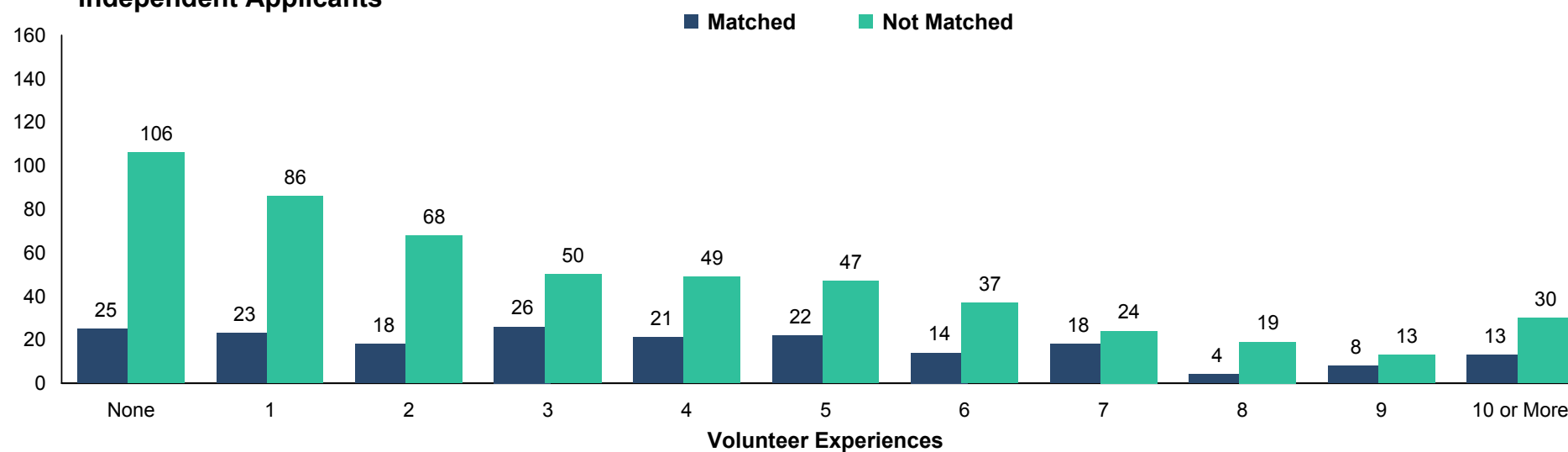
Chart GS-8

Number of Volunteer Experiences General Surgery

U.S. Seniors



Independent Applicants

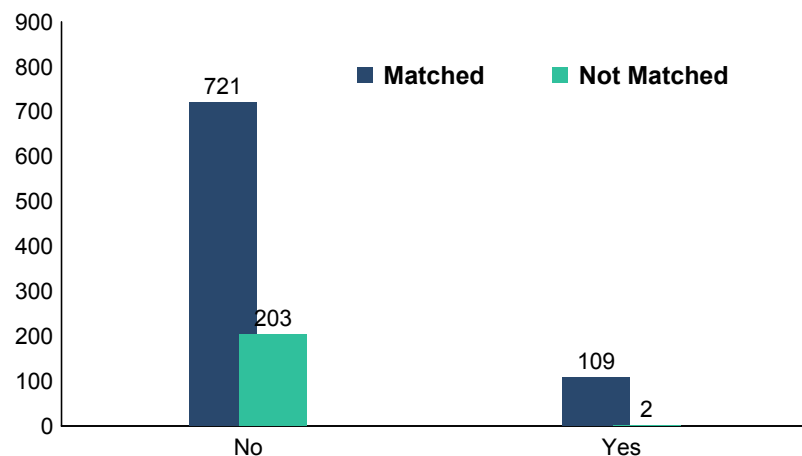


Source: NRMP Data Warehouse and AAMC Data Warehouse

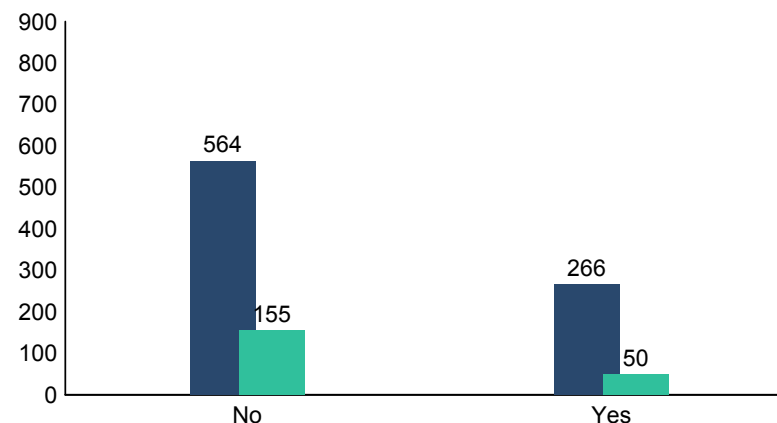
Chart GS-9

Other Characteristics of U.S. Seniors General Surgery

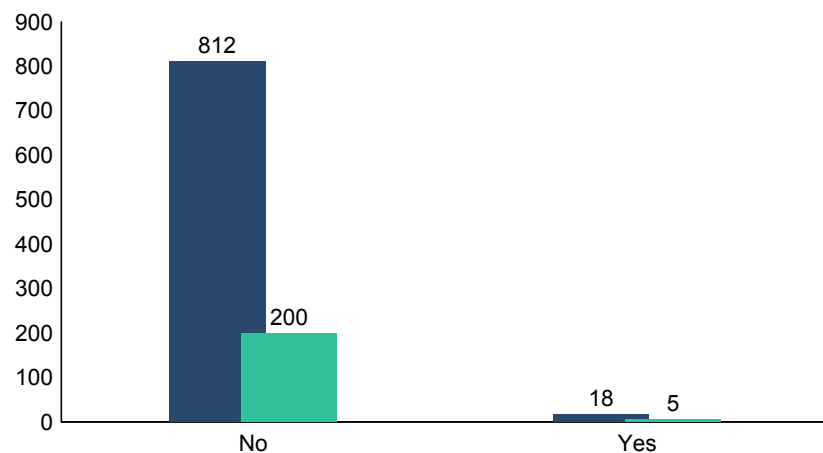
AOA Membership



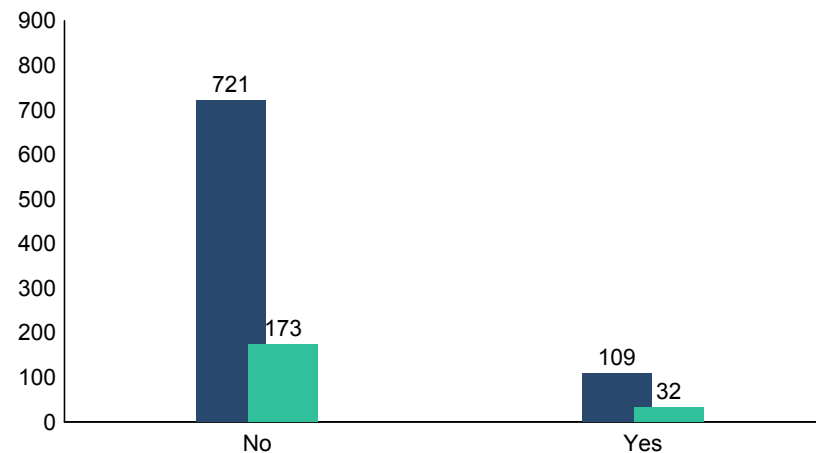
Graduate of One of the 40 U.S. Medical Schools with the Highest NIH Funding



Ph.D. Degree



Other Graduate Degree



Source: 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

IM **Internal Medicine**

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

Measure	U.S. Seniors		Independent Applicants	
	Matched (n=2,947)	Unmatched (n=171)	Matched (n=1,952)	Unmatched (n=2,804)
1. Mean number of contiguous ranks	9.6	8.2	6.5	2.7
2. Mean number of distinct specialties ranked	1.0	1.2	1.3	1.5
3. Mean USMLE Step 1 score	226	210	225	211
4. Mean USMLE Step 2 score	237	220	228	214
5. Mean number of research experiences	2.3	2.0	1.4	1.1
6. Mean number of abstracts, presentations, and publications	3.2	2.7	2.5	2.6
7. Mean number of work experiences	2.4	2.4	3.5	4.2
8. Mean number of volunteer experiences	6.1	5.3	3.3	2.4
9. Percentage who are AOA members	15.5	4.7	n/a	n/a
10. Percentage who graduated from one of the 40 U.S. medical schools with the highest NIH funding	37.1	32.7	n/a	n/a
11. Percentage who have Ph.D. degree	5.7	4.1	n/a	n/a
12. Percentage who have another graduate degree	10.6	12.3	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.

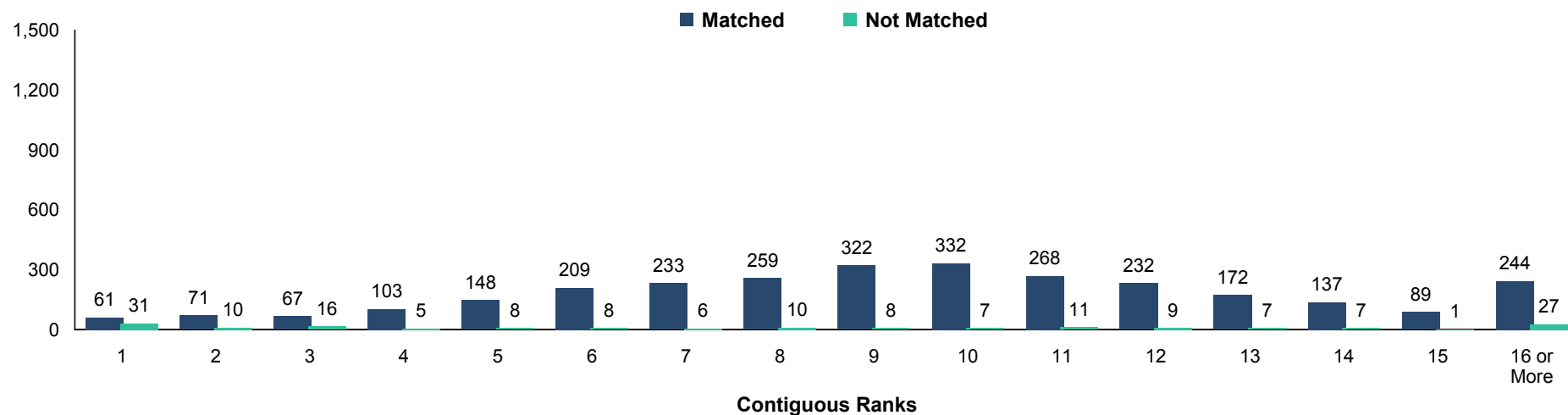
Sources: Measures 1, 2, and match outcome are from the NRMP Data Warehouse; measures 3 and 4 are from the AAMC Data Warehouse and from the ECFMG, both by permission of the NBME and ECFMG; measures 5-9 are from the AAMC Data Warehouse; measure 10 is from the NIH website (<http://report.nih.gov/award/trends/AggregateDate.cfm> 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 20 percent of U.S. allopathic medical school seniors do not take the USMLE Step 2 prior to the Match.

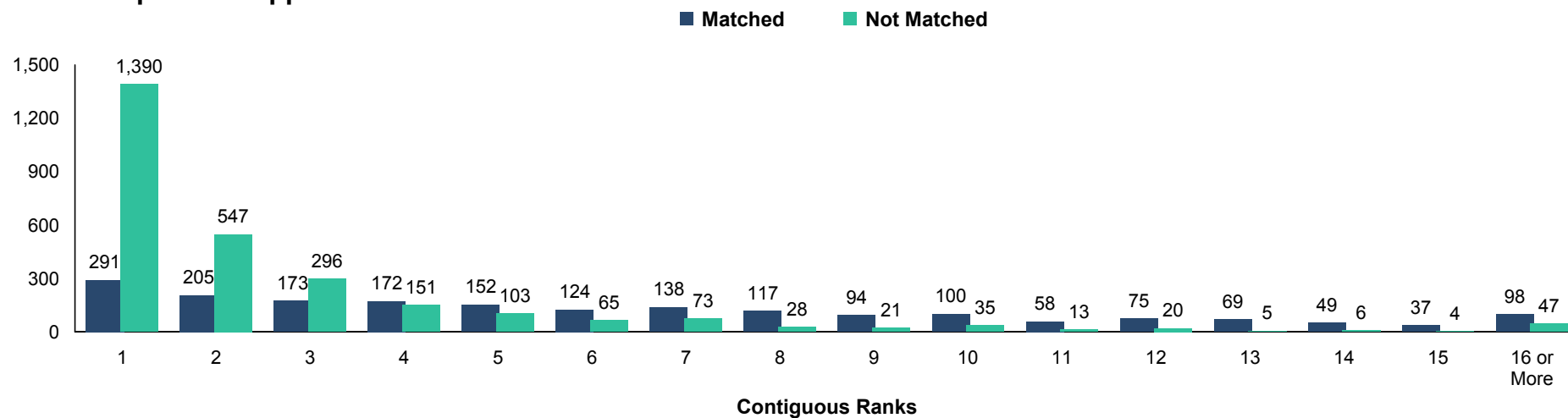
Chart IM-1

Number of Contiguous Ranks Within Preferred Specialty *Internal Medicine*

U.S. Seniors

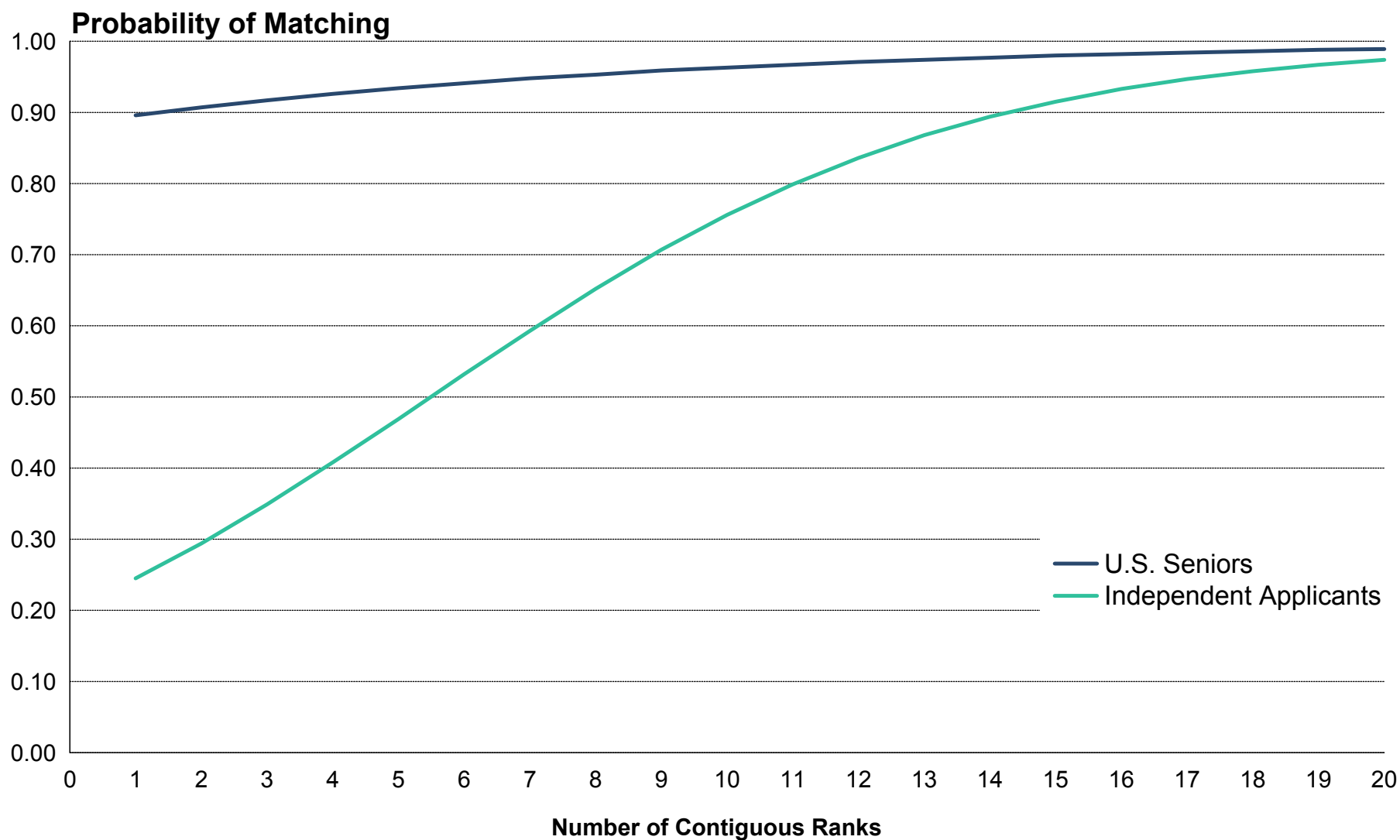


Independent Applicants



Source: NRMP Data Warehouse

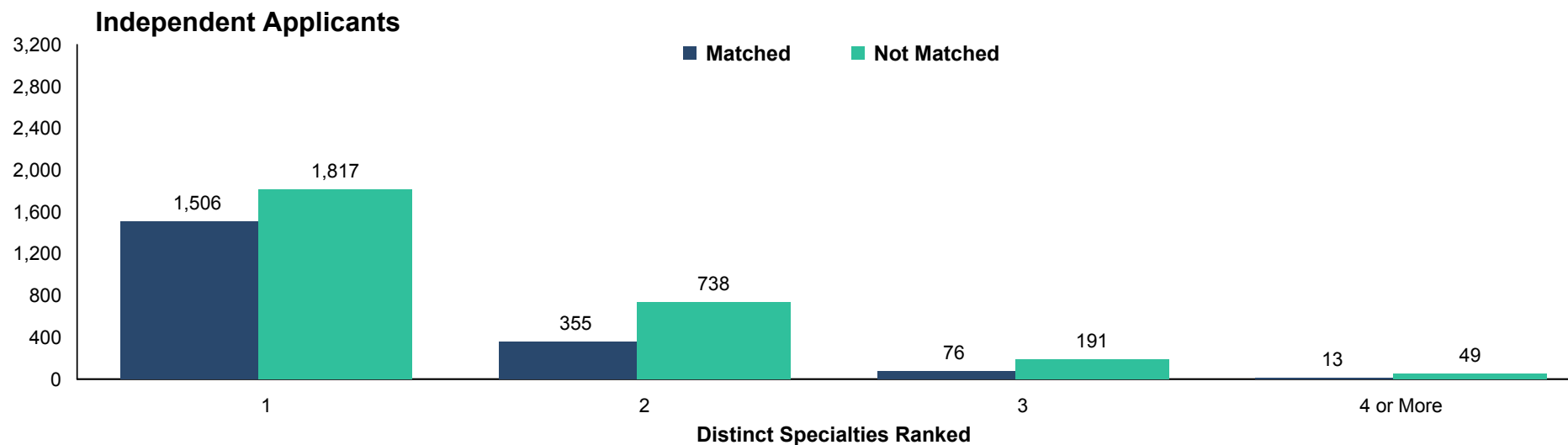
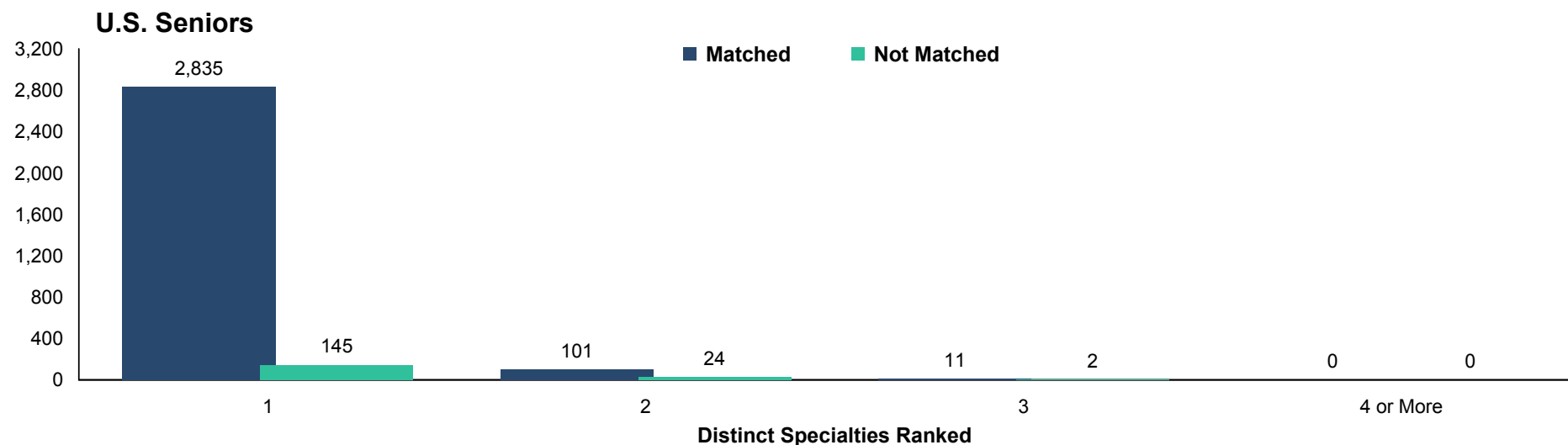
Probability of Matching to Preferred Specialty by Number of Contiguous Ranks *Internal Medicine*



Source: NRMP Data Warehouse. Note: Probabilities calculated based on 2009-2011 applicants

**Chart
IM-2**

Number of Distinct Specialties Ranked *Internal Medicine*

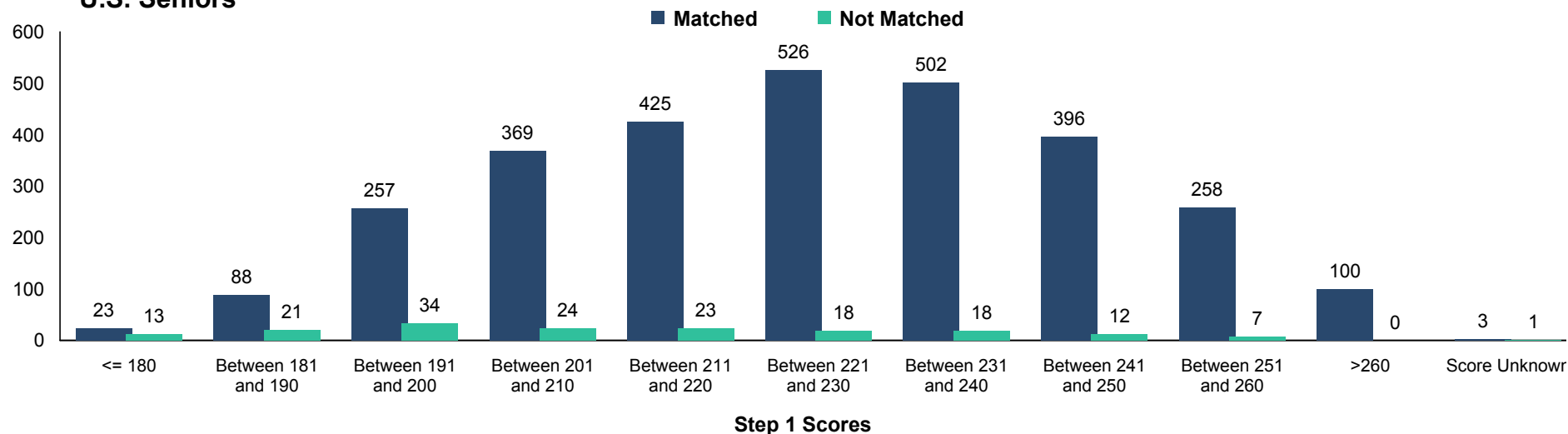


Source: NRMP Data Warehouse

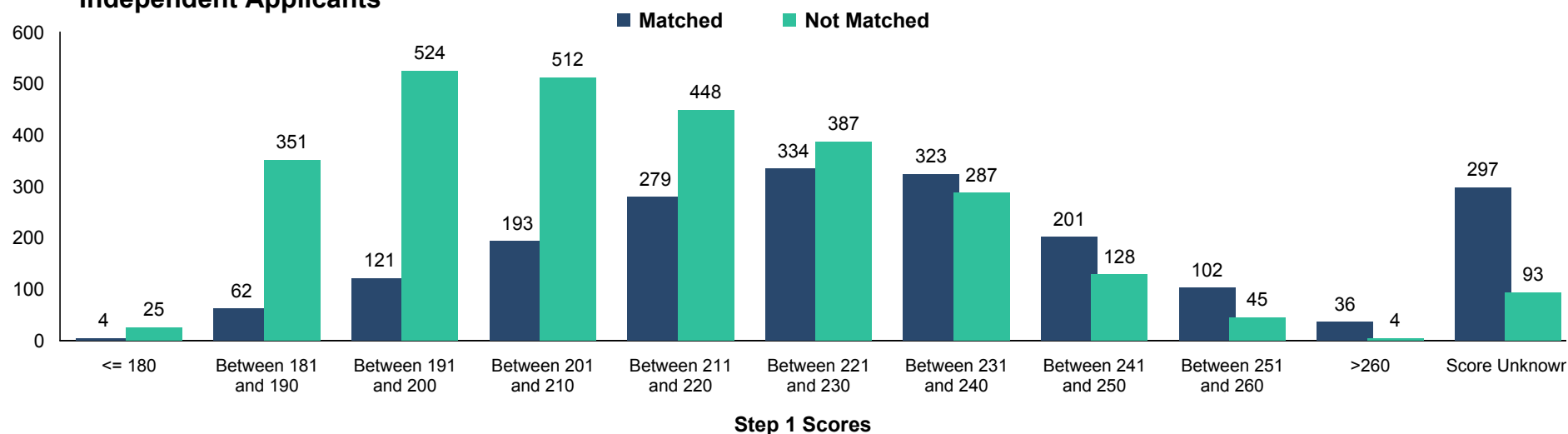
Chart IM-3

USMLE Step 1 Scores Internal Medicine

U.S. Seniors

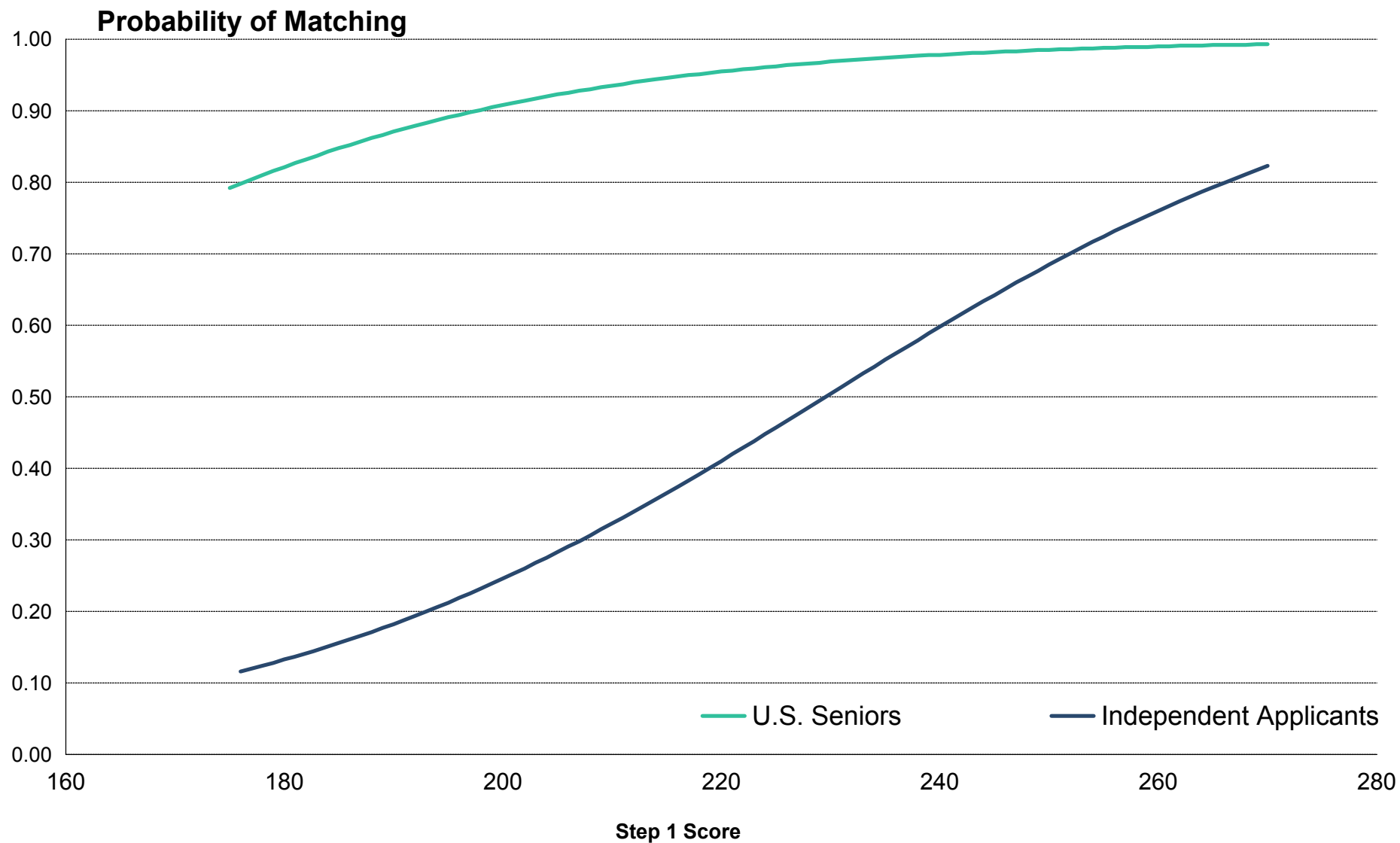


Independent Applicants



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*

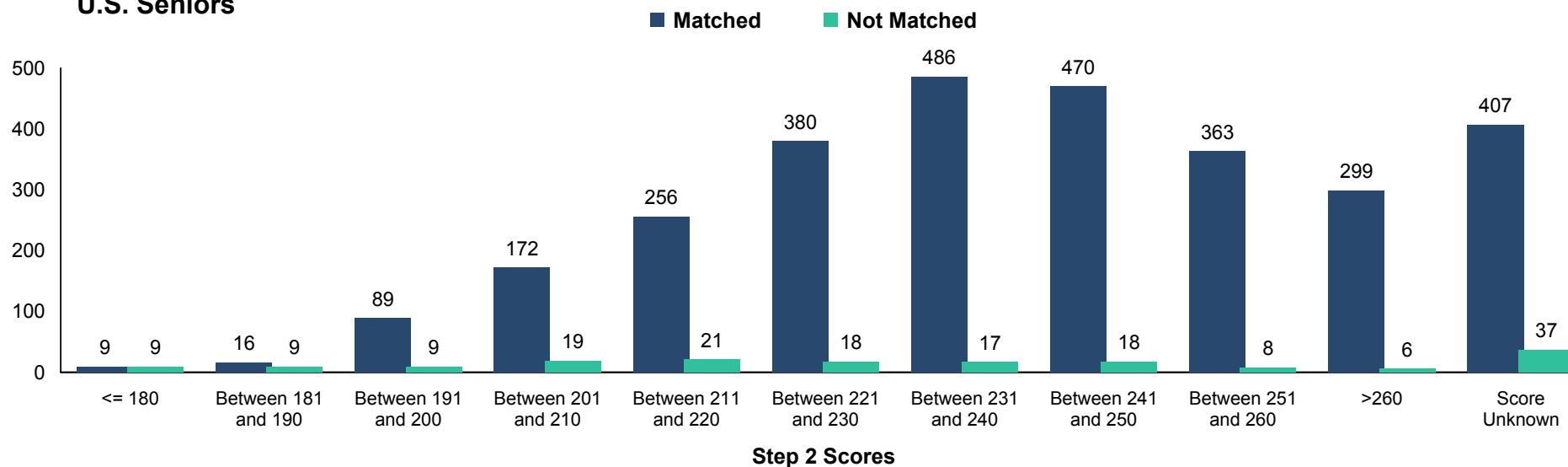


Source: NRMP Data Warehouse and AAMC Data Warehouse. USMLE scores by permission of the NBME and ECFMG. Note: Probabilities calculated based on 2009-2011 applicants.

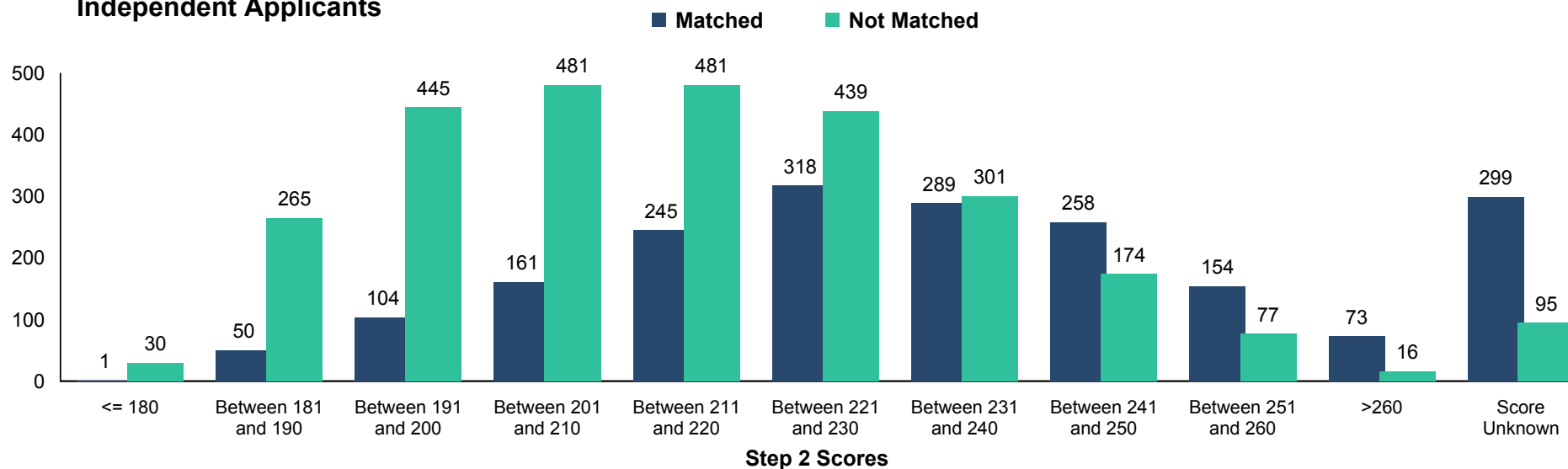
Chart IM-4

USMLE Step 2 Scores Internal Medicine

U.S. Seniors



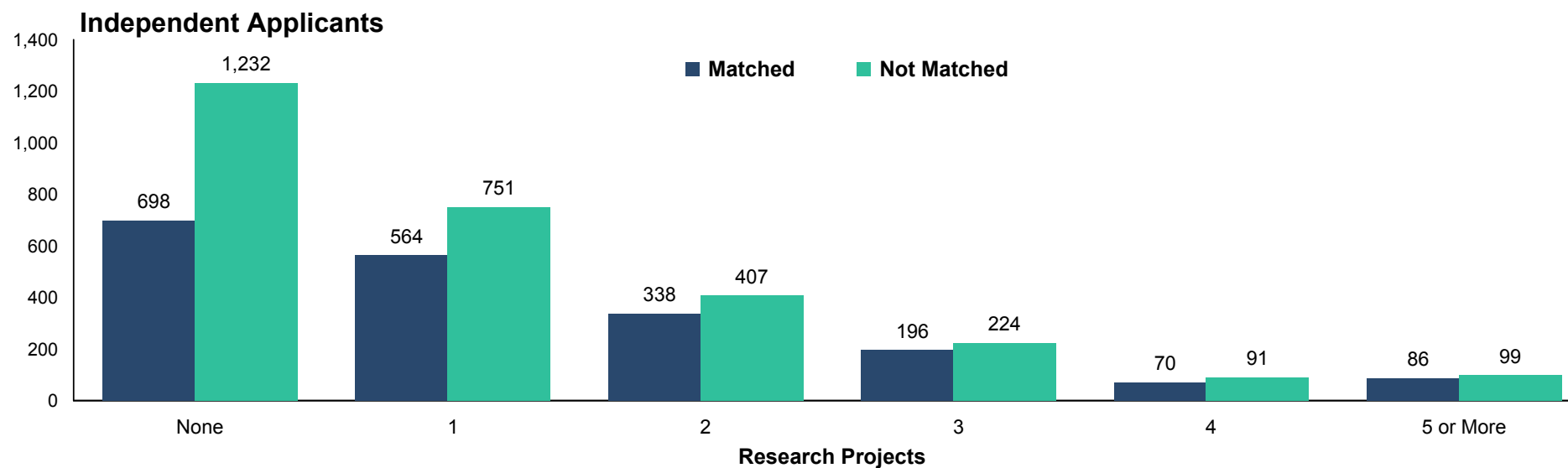
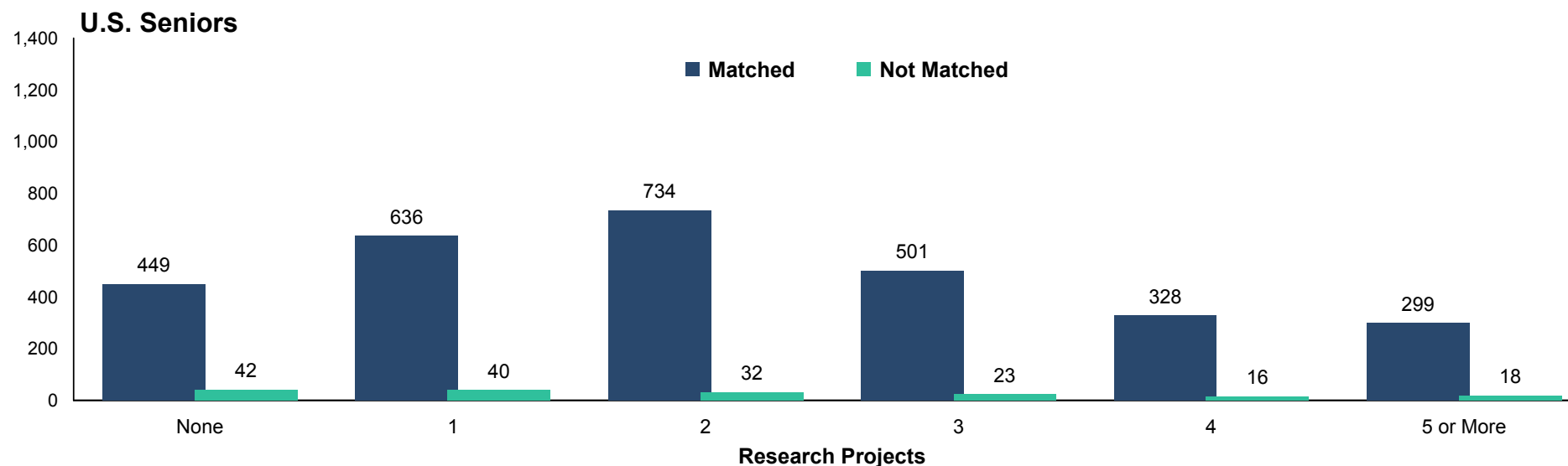
Independent Applicants



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

Chart IM-5

Number of Research Projects *Internal Medicine*

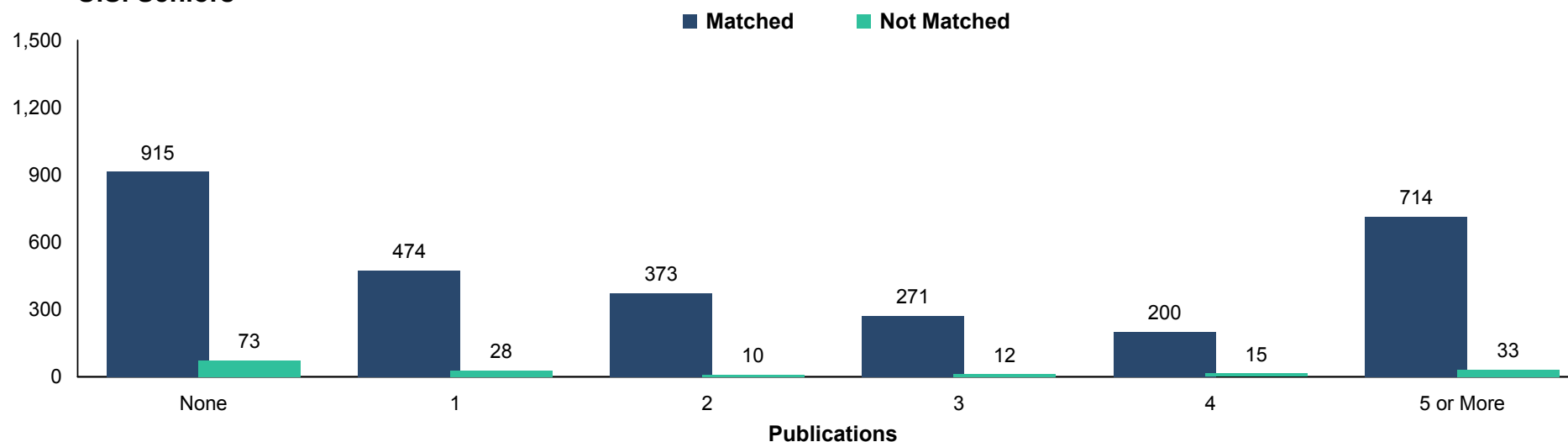


Source: NRMP Data Warehouse and AAMC Data Warehouse

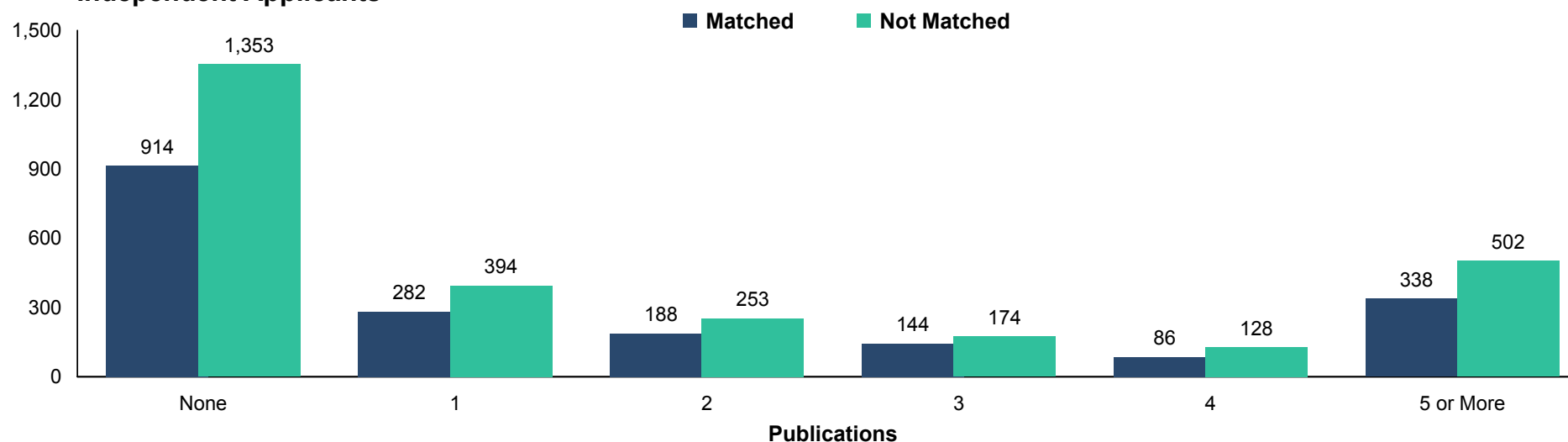
Chart IM-6

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

U.S. Seniors



Independent Applicants

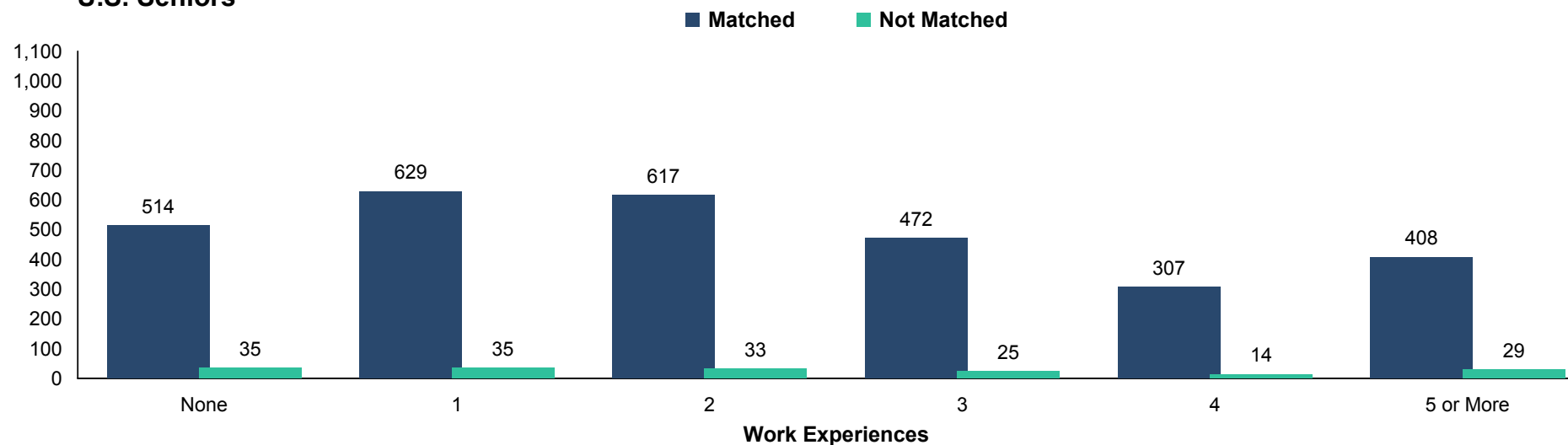


Source: NRMP Data Warehouse and AAMC Data Warehouse

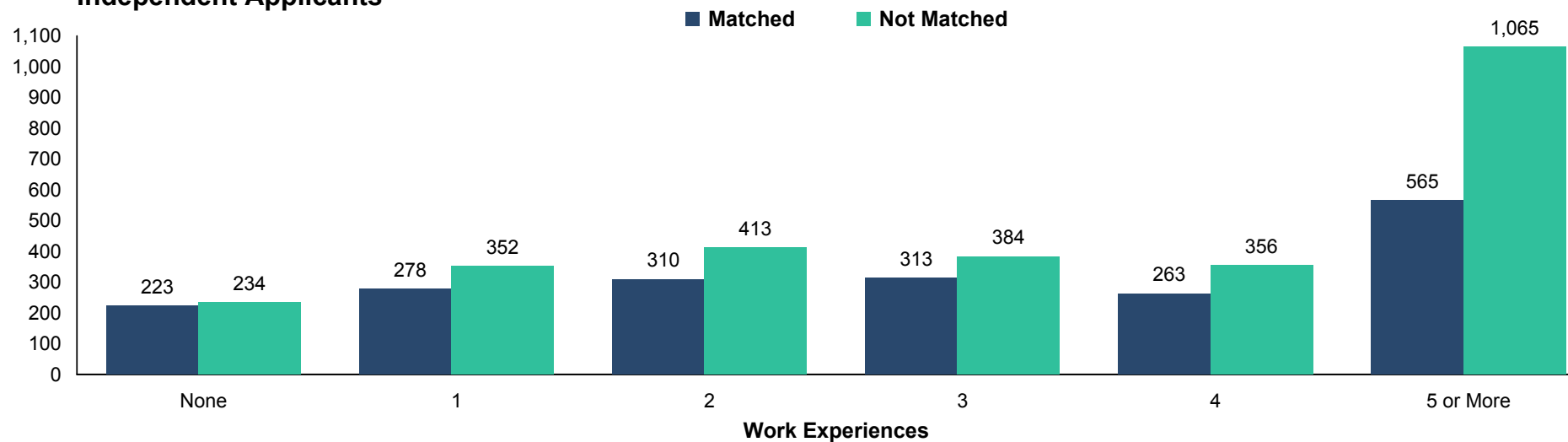
**Chart
IM-7**

Number of Work Experiences *Internal Medicine*

U.S. Seniors



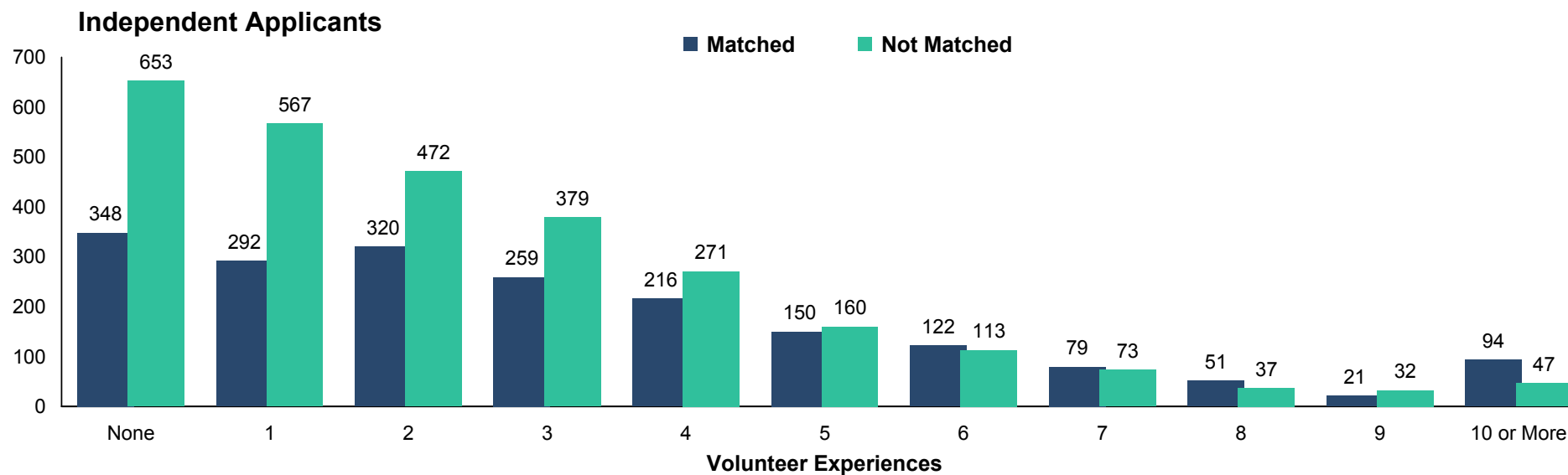
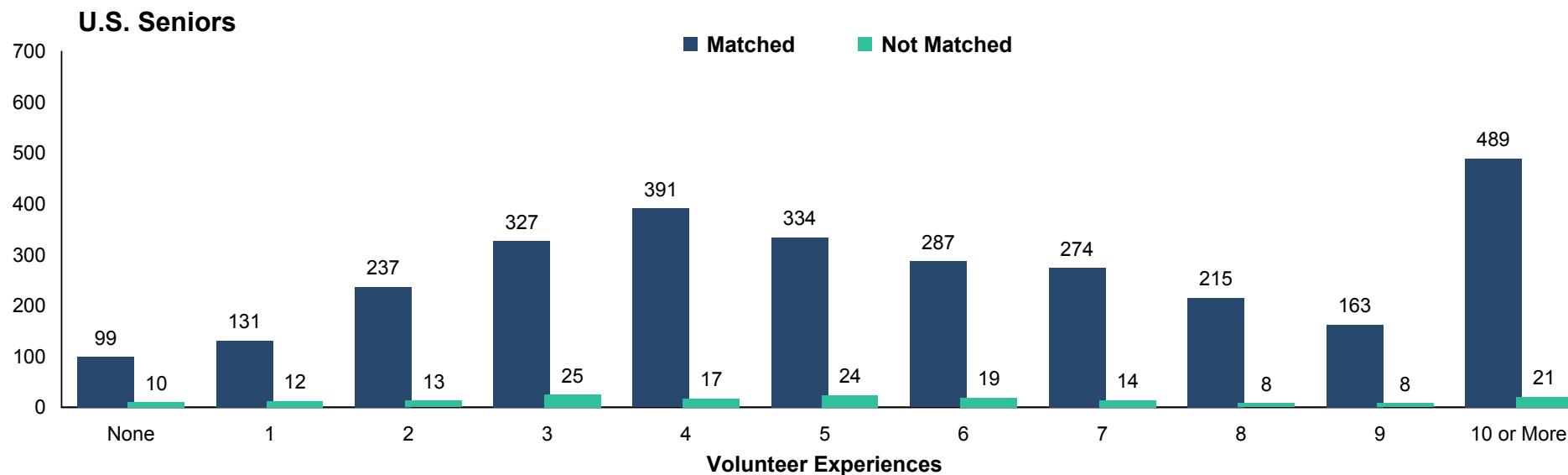
Independent Applicants



Source: NRMP Data Warehouse and AAMC Data Warehouse

Chart IM-8

Number of Volunteer Experiences *Internal Medicine*

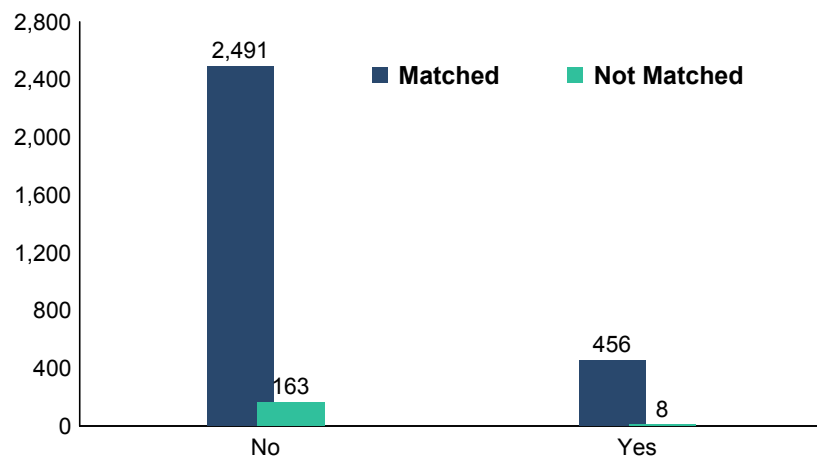


Source: NRMP Data Warehouse and AAMC Data Warehouse

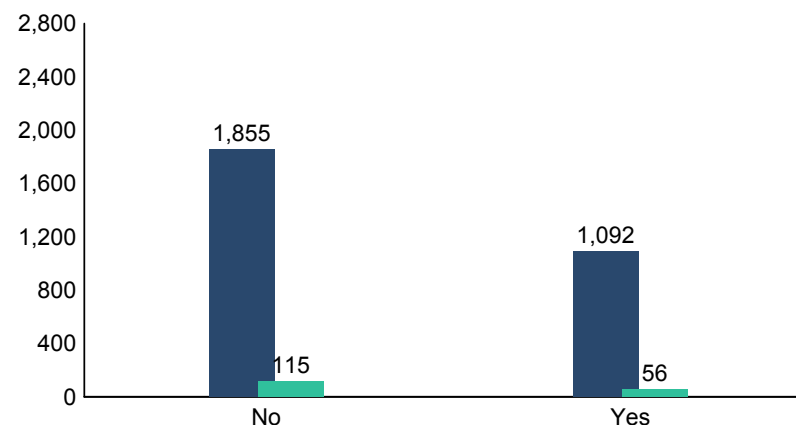
Chart IM-9

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

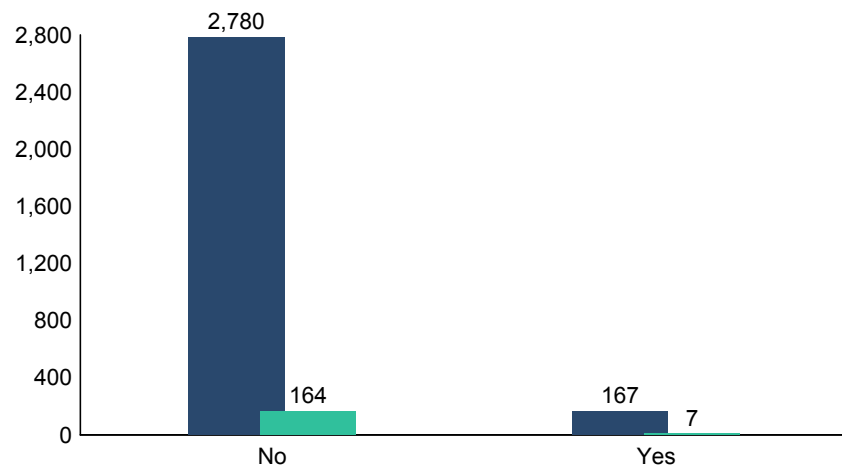
AOA Membership



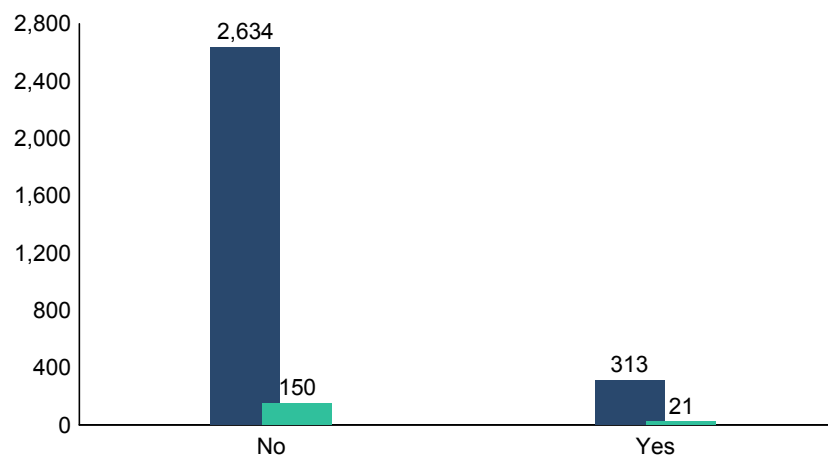
Graduate of One of the 40 U.S. Medical Schools with the Highest NIH Funding



Ph.D. Degree



Other Graduate Degree



Source: 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

IP

Internal Medicine/Pediatrics

Measure	U.S. Seniors		Independent Applicants	
	Matched (n=302)	Unmatched (n=43)	Matched (n=44)	Unmatched (n=45)
1. Mean number of contiguous ranks	8.6	3.7	5.6	1.6
2. Mean number of distinct specialties ranked	1.2	2.0	1.8	2.2
3. Mean USMLE Step 1 score	230	219	217	218
4. Mean USMLE Step 2 score	242	224	221	217
5. Mean number of research experiences	1.9	2.0	1.5	1.3
6. Mean number of abstracts, presentations, and publications	2.3	2.4	1.7	2.2
7. Mean number of work experiences	2.9	2.6	3.1	5.1
8. Mean number of volunteer experiences	7.8	7.4	5.3	3.7
9. Percentage who are AOA members	24.2	7.0	n/a	n/a
10. Percentage who graduated from one of the 40 U.S. medical schools with the highest NIH funding	34.1	39.5	n/a	n/a
11. Percentage who have Ph.D. degree	3.3	0.0	n/a	n/a
12. Percentage who have another graduate degree	8.3	11.6	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.

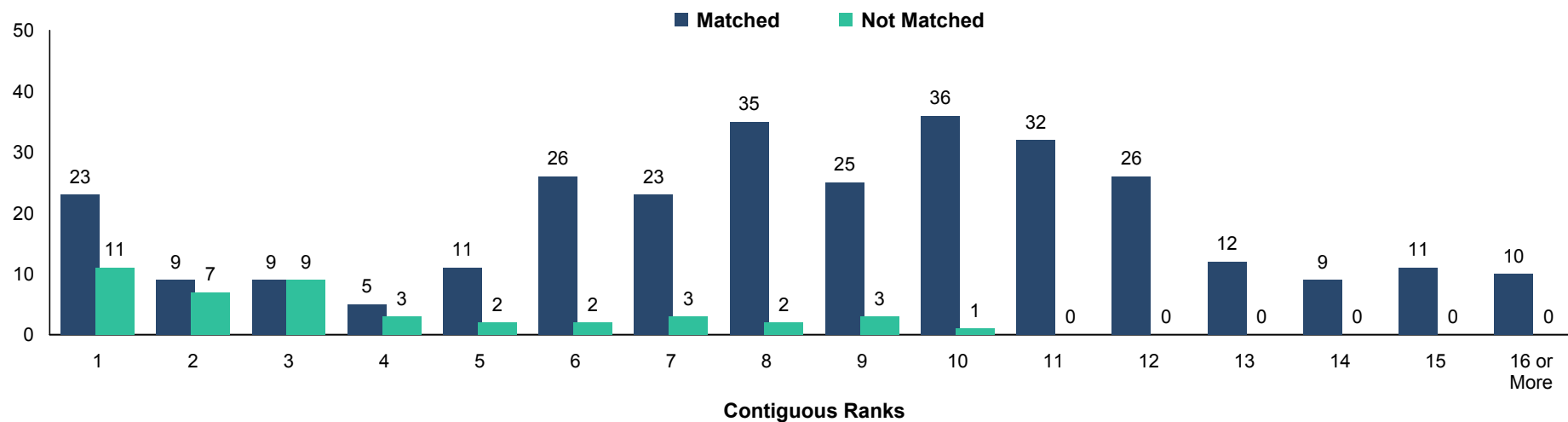
Sources: Measures 1, 2, and match outcome are from the NRMP Data Warehouse; measures 3 and 4 are from the AAMC Data Warehouse and from the ECFMG, both by permission of the NBME and ECFMG; measures 5-9 are from the AAMC Data Warehouse; measure 10 is from the NIH website (<http://report.nih.gov/award/trends/AggregateDate.cfm> 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 20 percent of U.S. allopathic medical school seniors do not take the USMLE Step 2 prior to the Match.

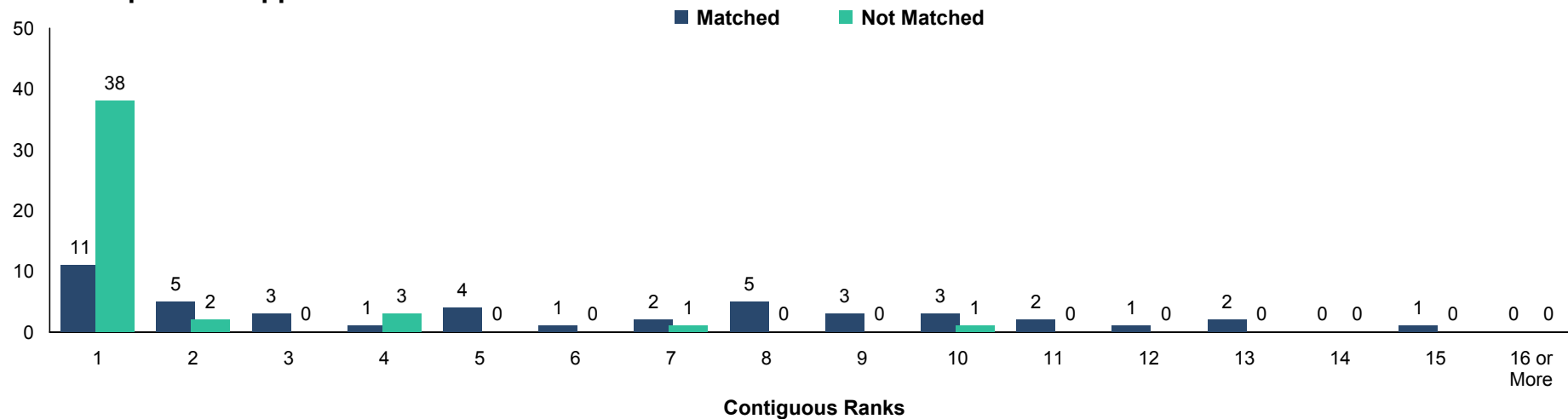
**Chart
IP-1**

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

U.S. Seniors

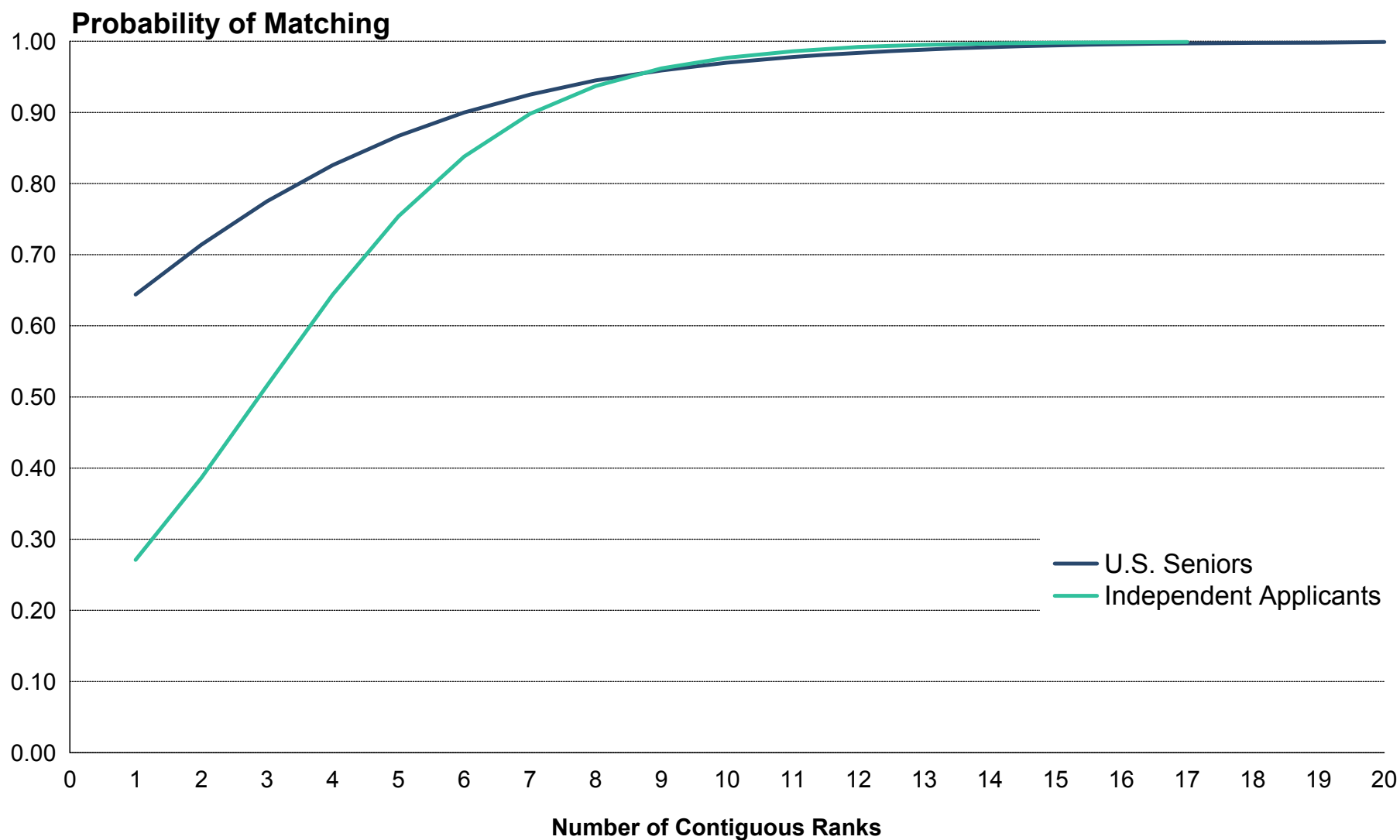


Independent Applicants



Source: NRMP Data Warehouse

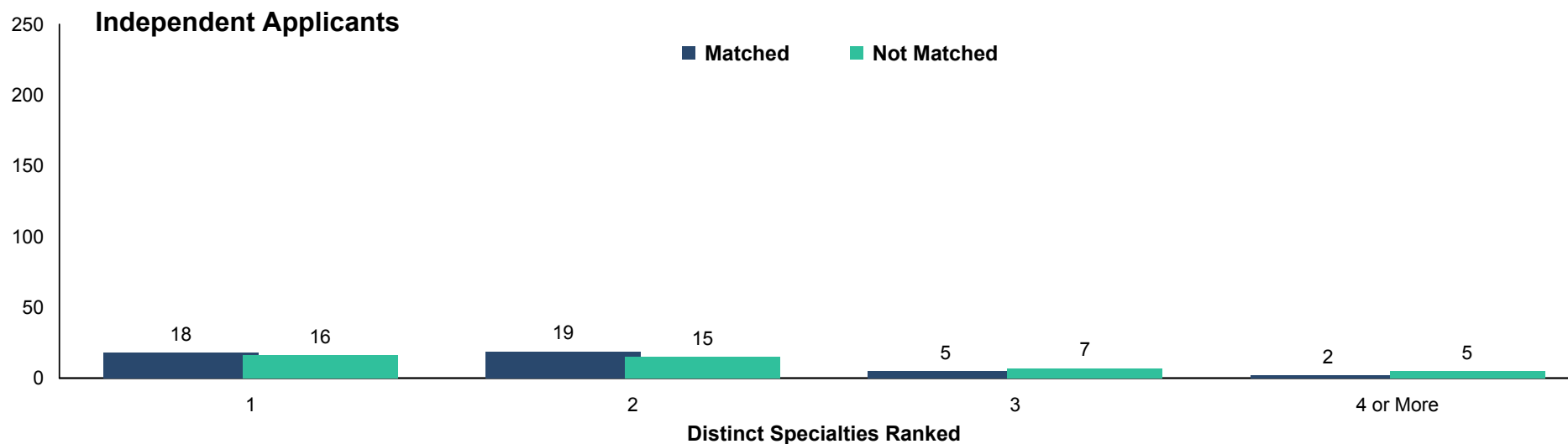
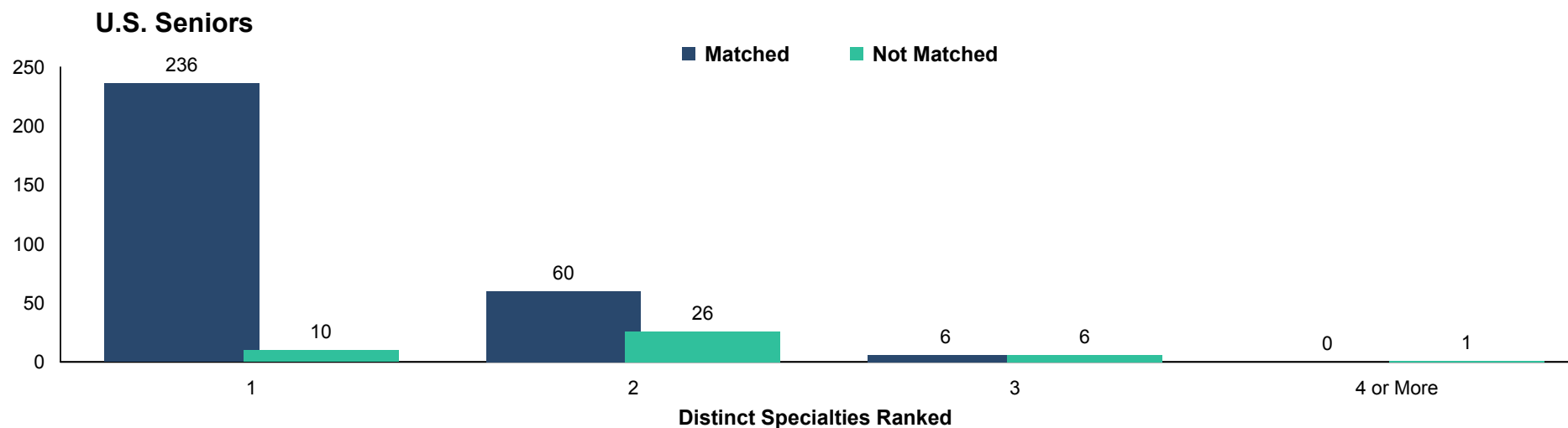
Probability of Matching to Preferred Specialty by Number of Contiguous Ranks *Internal Medicine/Pediatrics*



Source: NRMP Data Warehouse. Note: Probabilities calculated based on 2009-2011 applicants

**Chart
IP-2**

Number of Distinct Specialties Ranked *Internal Medicine/Pediatrics*

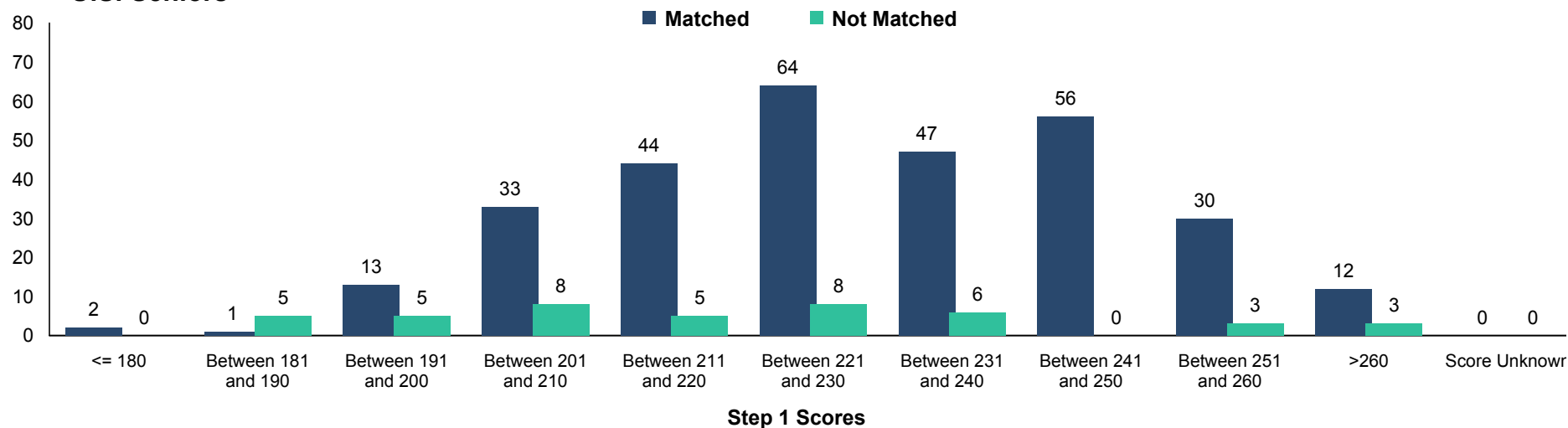


Source: NRMP Data Warehouse

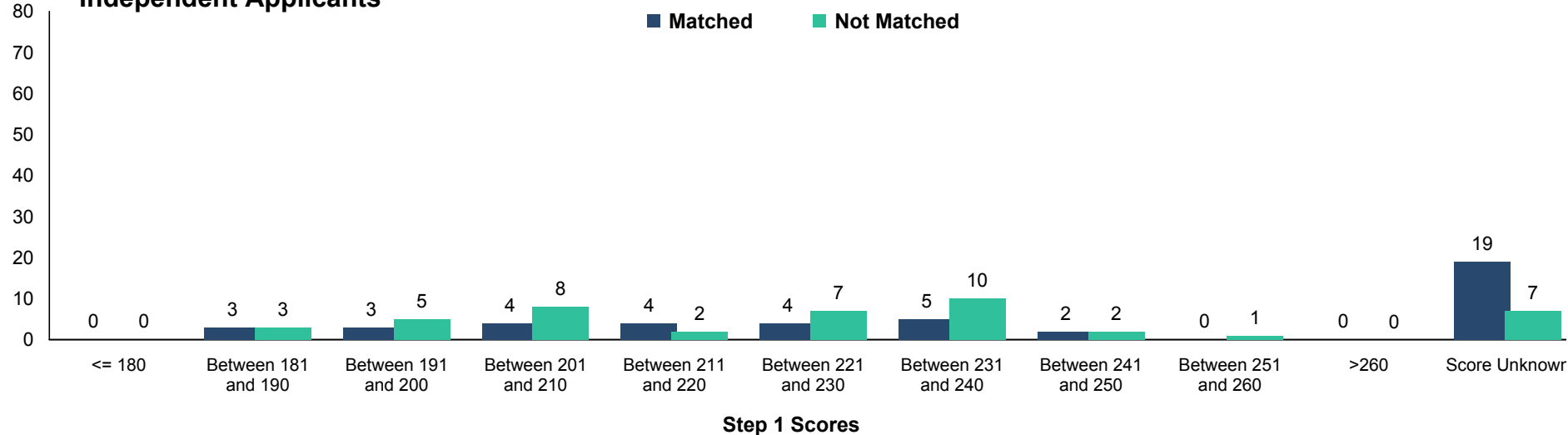
Chart IP-3

USMLE Step 1 Scores Internal Medicine/Pediatrics

U.S. Seniors



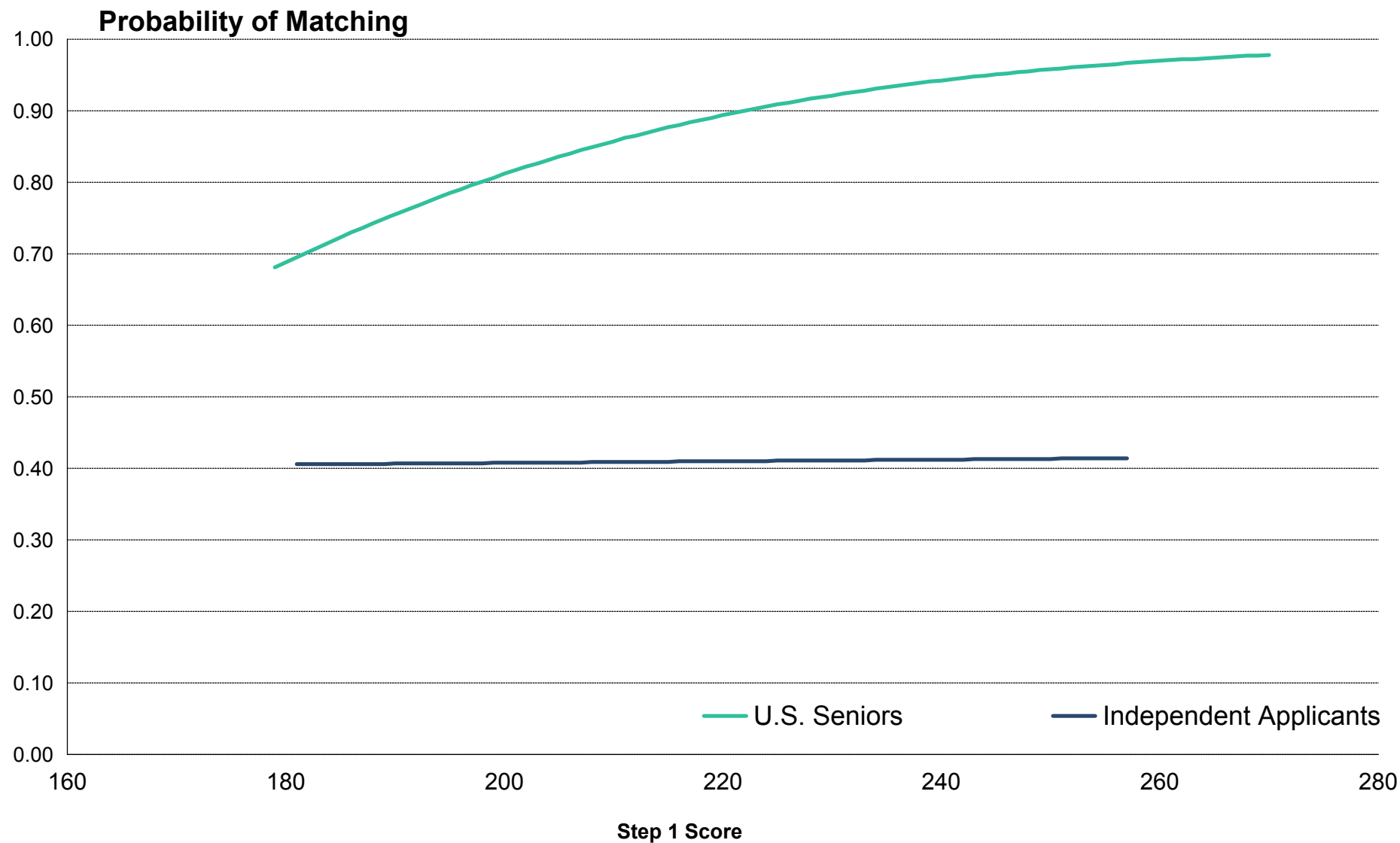
Independent Applicants



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

**Graph
IP-2**

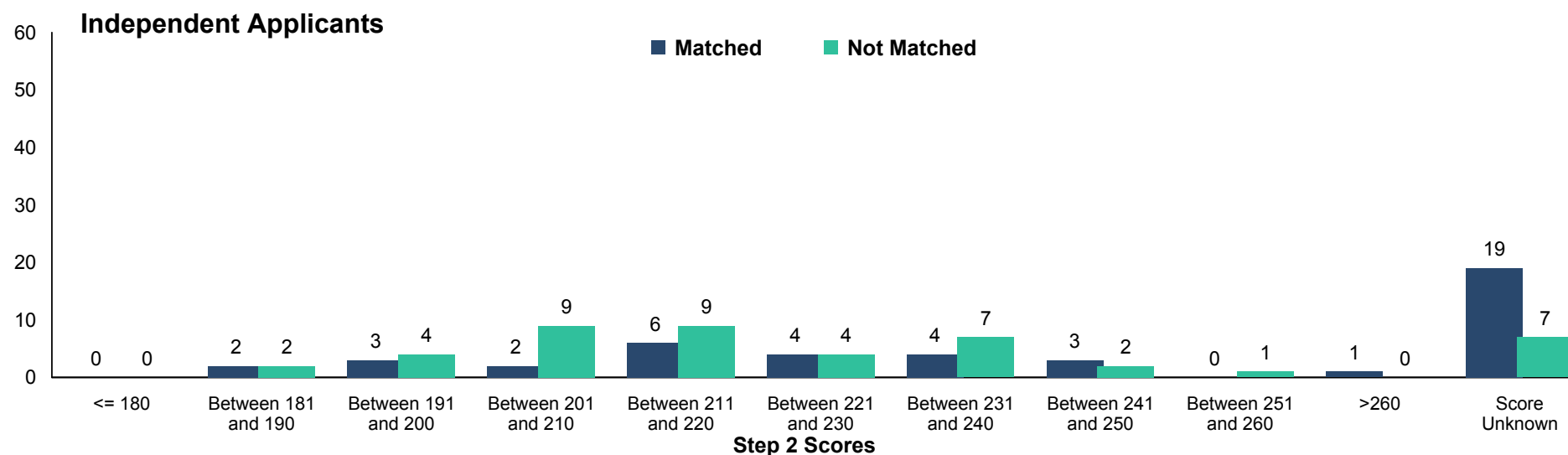
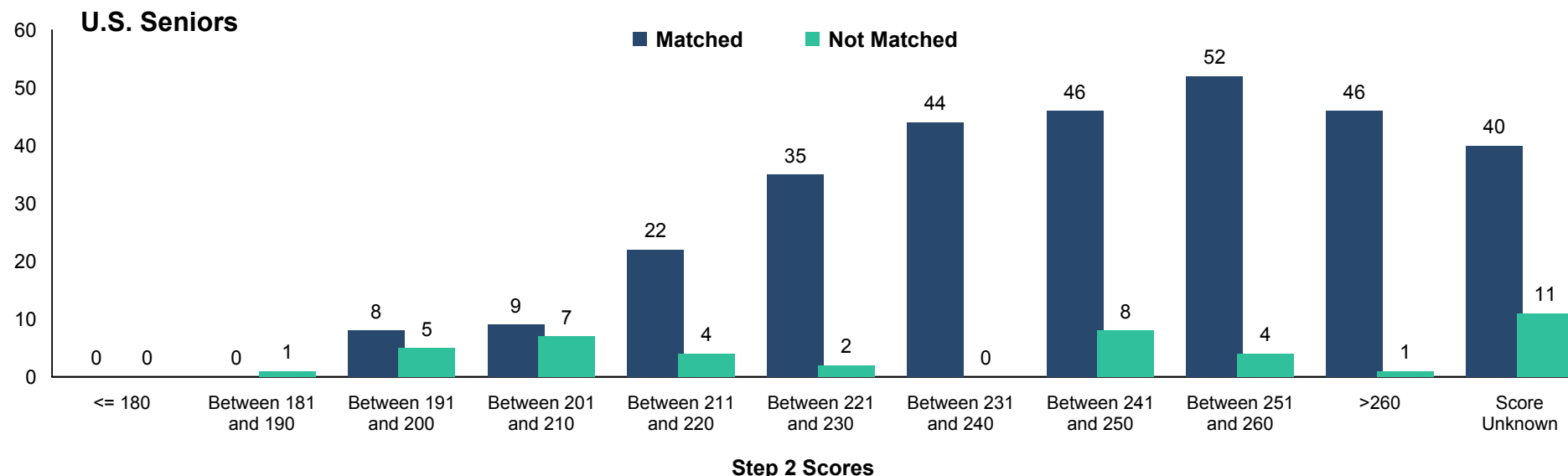
Probability of Matching to Preferred Specialty by USMLE Step 1 Score
Internal Medicine/Pediatrics



Source: NRMP Data Warehouse and AAMC Data Warehouse. USMLE scores by permission of the NBME and ECFMG. Note: Probabilities calculated based on 2009-2011 applicants.

Chart IP-4

USMLE Step 2 Scores Internal Medicine/Pediatrics

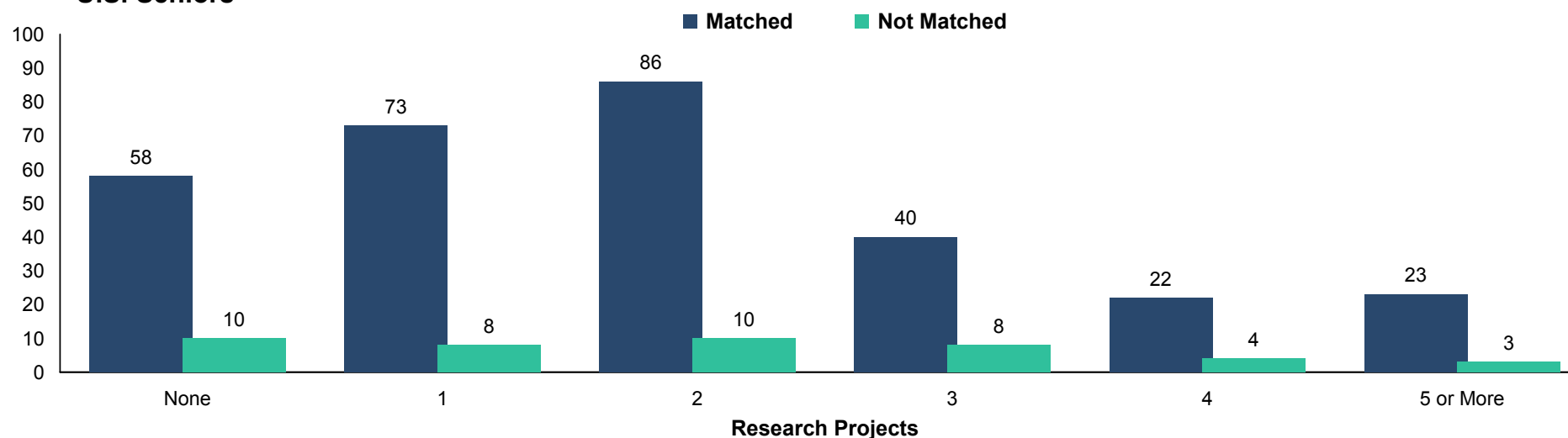


Source: NRMP Data Warehouse and AAMC Data Warehouse. USMLE scores by permission of the NBME and ECFMG.

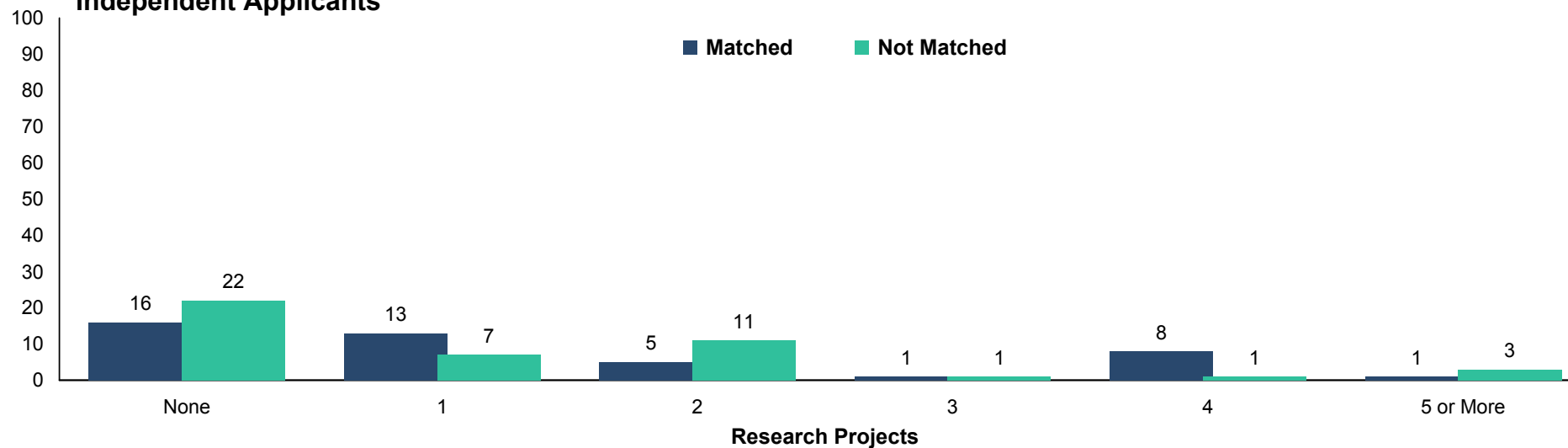
Chart IP-5

Number of Research Projects *Internal Medicine/Pediatrics*

U.S. Seniors



Independent Applicants

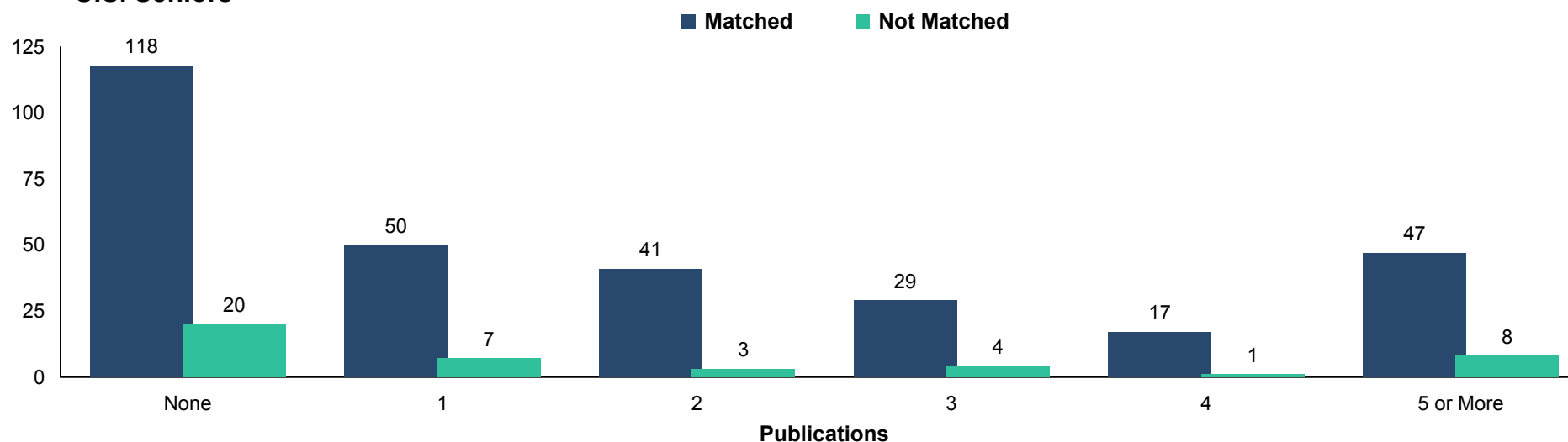


Source: NRMP Data Warehouse and AAMC Data Warehouse

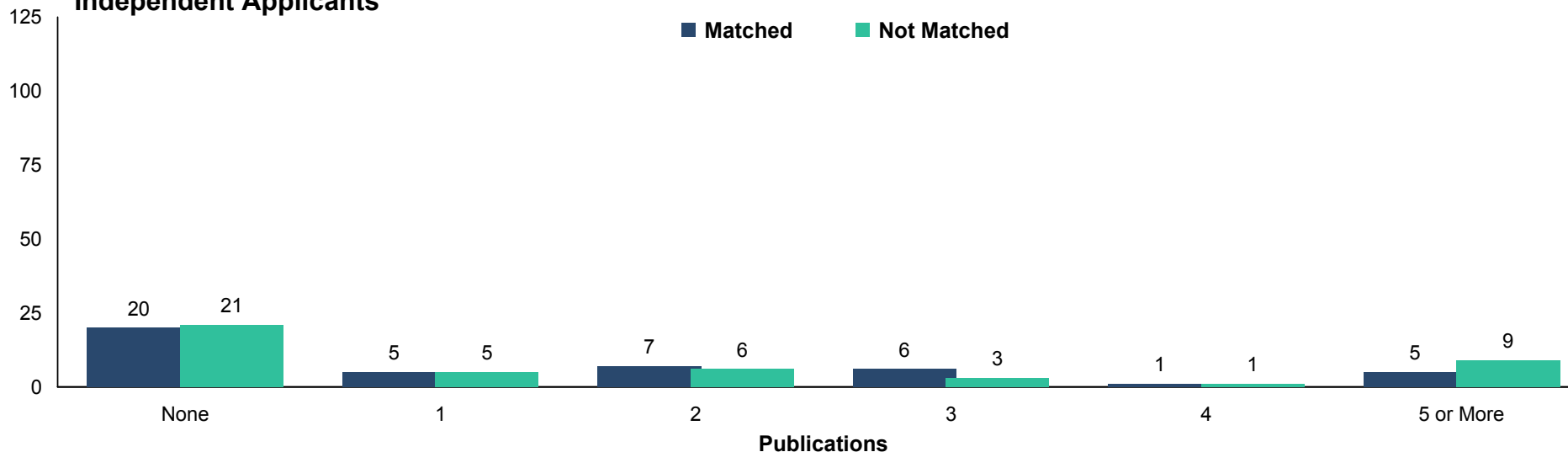
Chart IP-6

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

U.S. Seniors



Independent Applicants

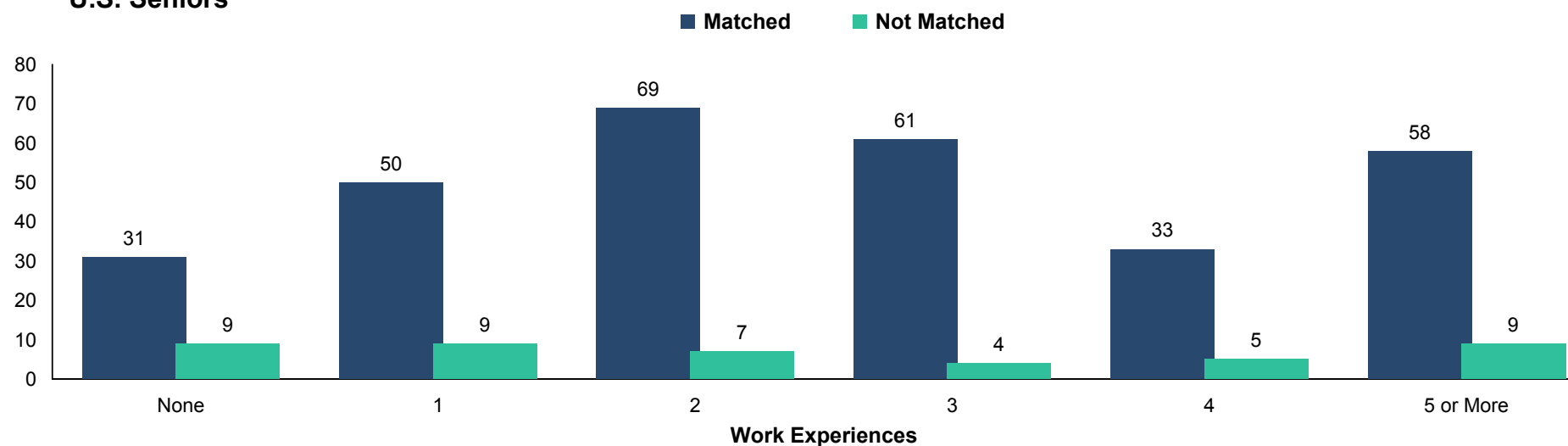


Source: NRMP Data Warehouse and AAMC Data Warehouse

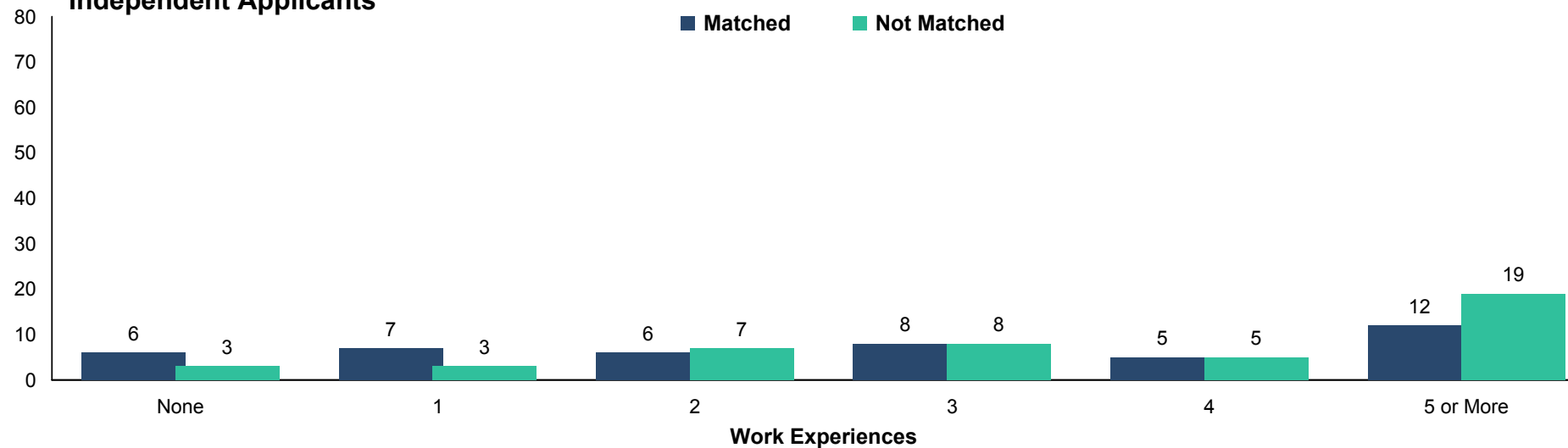
Chart IP-7

Number of Work Experiences *Internal Medicine/Pediatrics*

U.S. Seniors



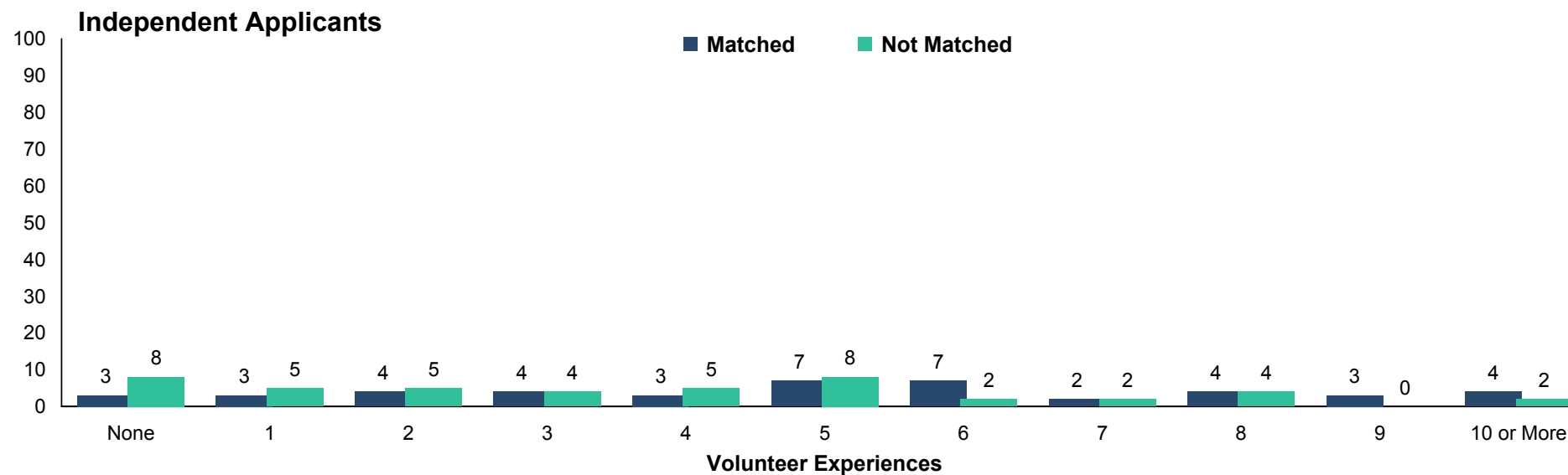
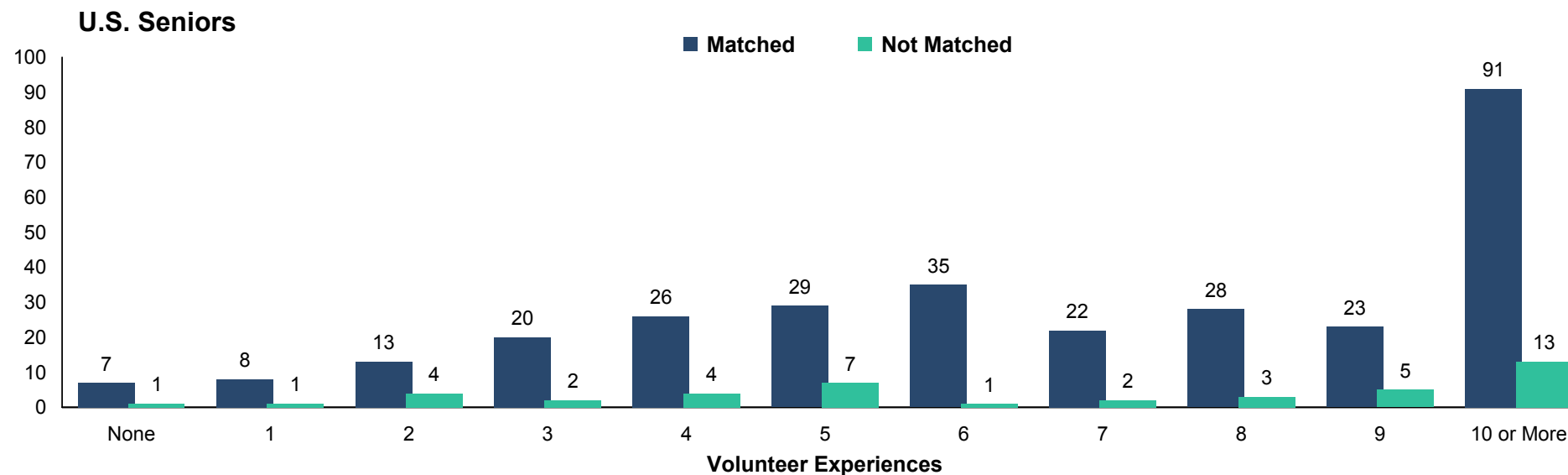
Independent Applicants



Source: NRMP Data Warehouse and AAMC Data Warehouse

Chart IP-8

Number of Volunteer Experiences *Internal Medicine/Pediatrics*

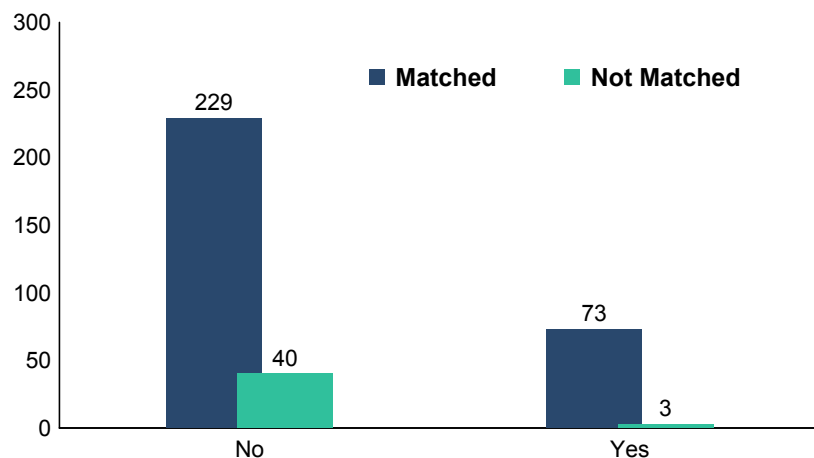


Source: NRMP Data Warehouse and AAMC Data Warehouse

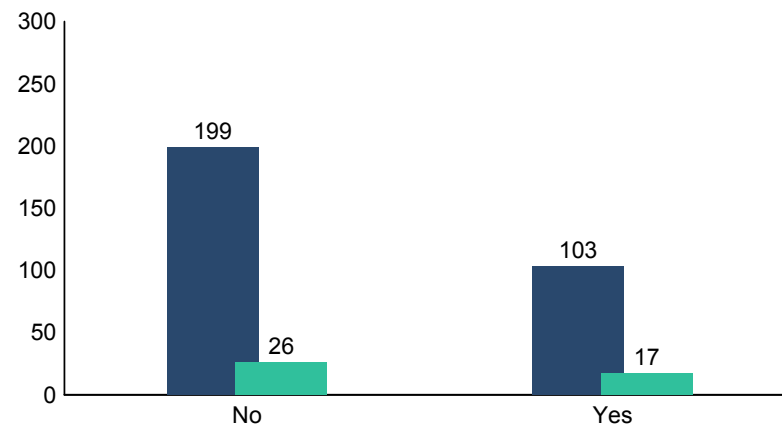
Chart IP-9

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

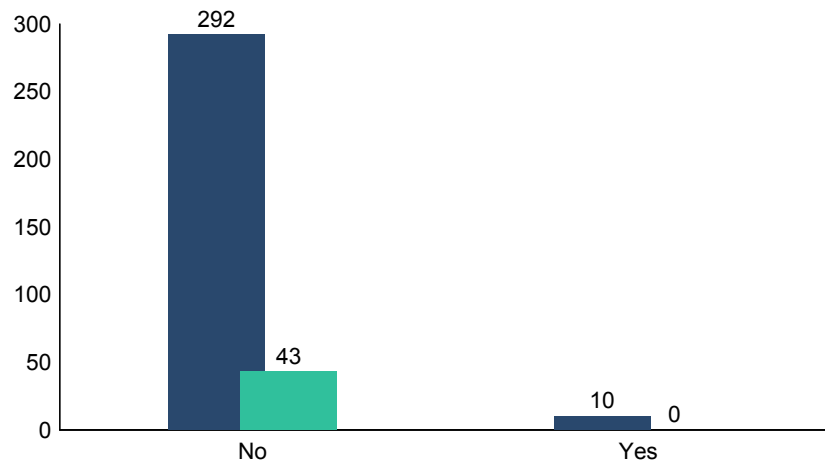
AOA Membership



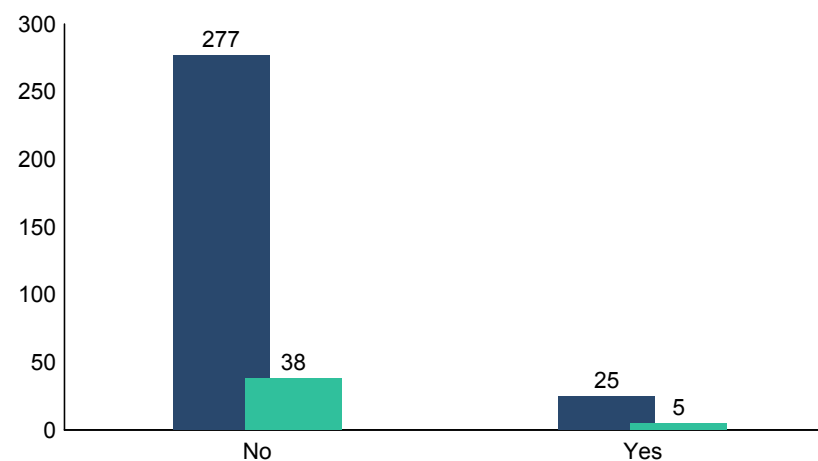
Graduate of One of the 40 U.S. Medical Schools with the Highest NIH Funding



Ph.D. Degree



Other Graduate Degree



Source: 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

NS **Neurological Surgery**

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

Measure	U.S. Seniors		Independent Applicants	
	Matched (n=174)	Unmatched (n=28)	Matched (n=17)	Unmatched (n=49)
1. Mean number of contiguous ranks	15.2	7.5	6.3	3.3
2. Mean number of distinct specialties ranked	1.1	1.4	1.4	1.7
3. Mean USMLE Step 1 score	239	218	232	226
4. Mean USMLE Step 2 score	241	221	229	222
5. Mean number of research experiences	3.4	3.0	3.4	2.5
6. Mean number of abstracts, presentations, and publications	7.4	4.0	11.1	9.6
7. Mean number of work experiences	2.5	3.1	3.5	2.8
8. Mean number of volunteer experiences	5.8	3.8	3.2	2.1
9. Percentage who are AOA members	25.3	0.0	n/a	n/a
10. Percentage who graduated from one of the 40 U.S. medical schools with the highest NIH funding	44.8	35.7	n/a	n/a
11. Percentage who have Ph.D. degree	10.3	14.3	n/a	n/a
12. Percentage who have another graduate degree	14.4	3.6	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.

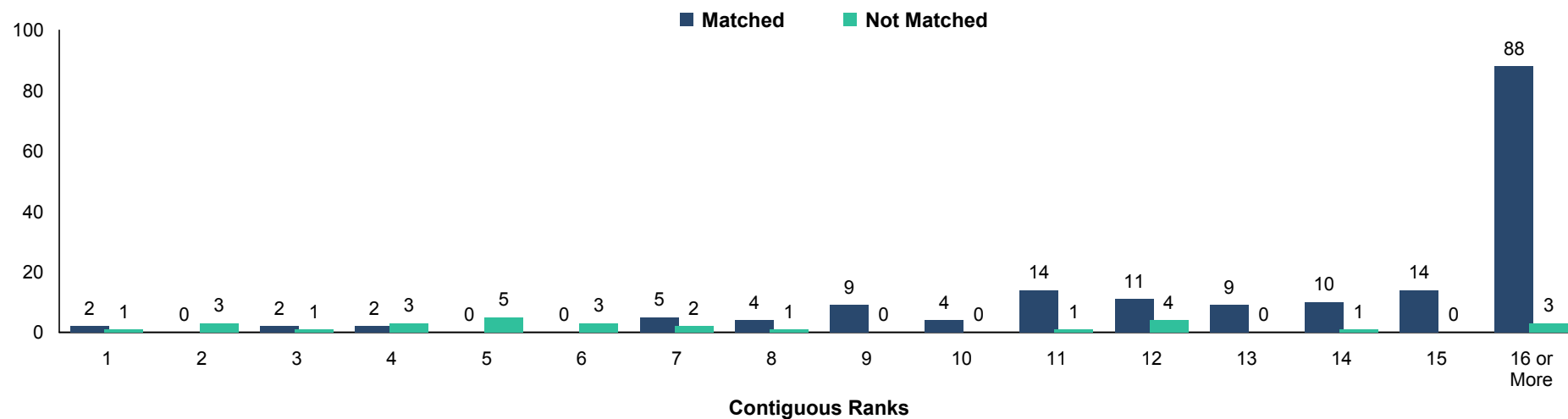
Sources: Measures 1, 2, and match outcome are from the NRMP Data Warehouse; measures 3 and 4 are from the AAMC Data Warehouse and from the ECFMG, both by permission of the NBME and ECFMG; measures 5-9 are from the AAMC Data Warehouse; measure 10 is from the NIH website (<http://report.nih.gov/award/trends/AggregateDate.cfm> 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 20 percent of U.S. allopathic medical school seniors do not take the USMLE Step 2 prior to the Match.

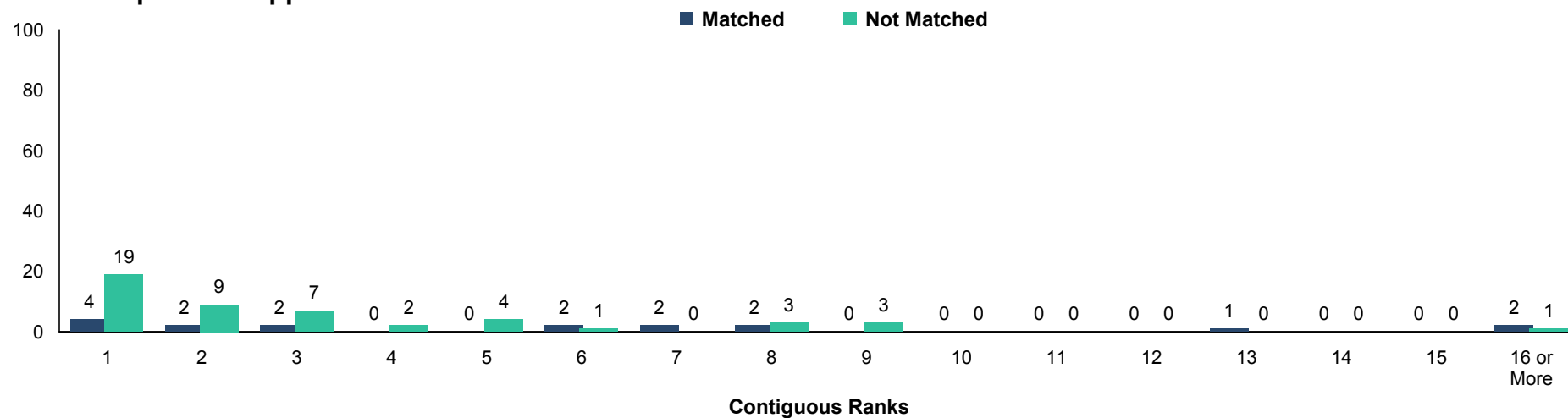
**Chart
NS-1**

Number of Contiguous Ranks Within Preferred Specialty *Neurological Surgery*

U.S. Seniors

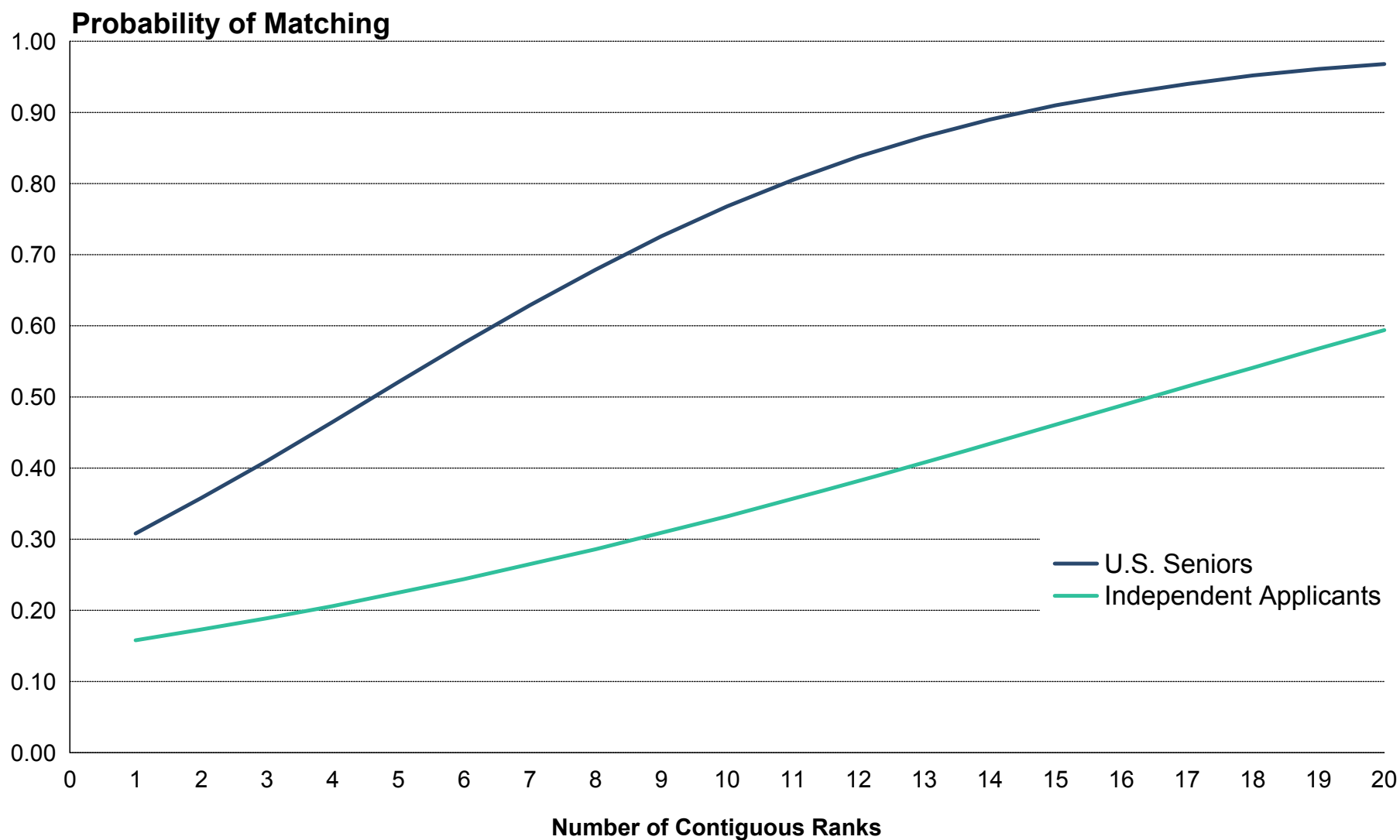


Independent Applicants



Source: NRMP Data Warehouse

Probability of Matching to Preferred Specialty by Number of Contiguous Ranks *Neurological Surgery*

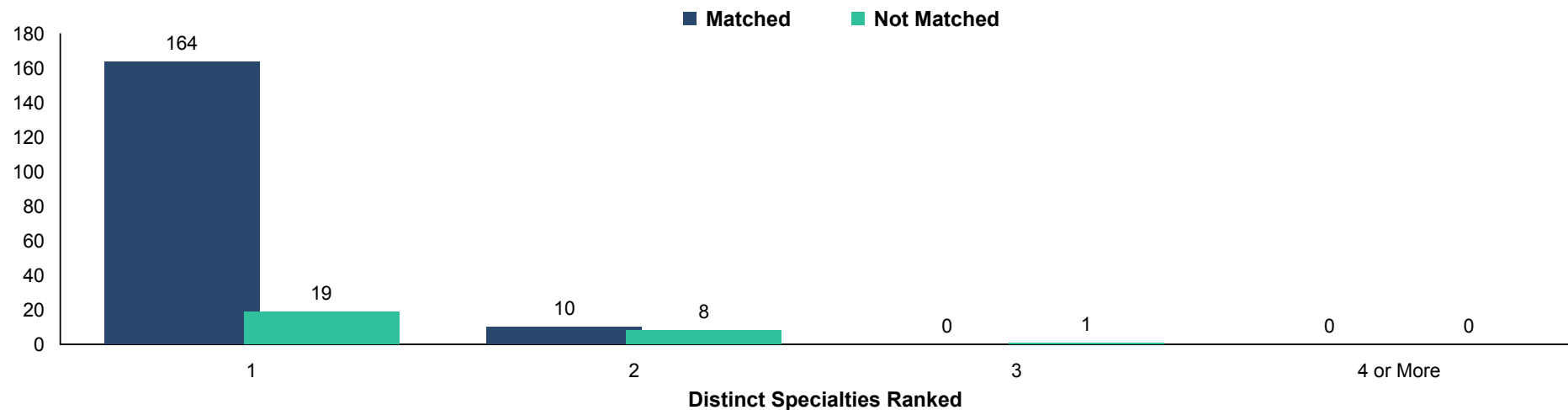


Source: NRMP Data Warehouse. Note: Probabilities calculated based on 2009-2011 applicants

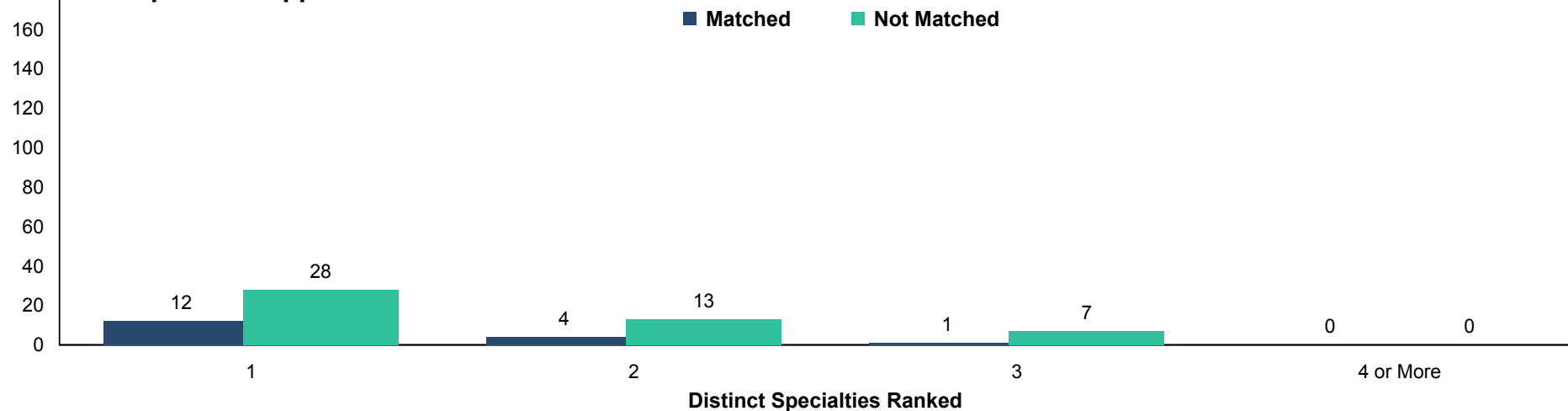
**Chart
NS-2**

Number of Distinct Specialties Ranked *Neurological Surgery*

U.S. Seniors



Independent Applicants

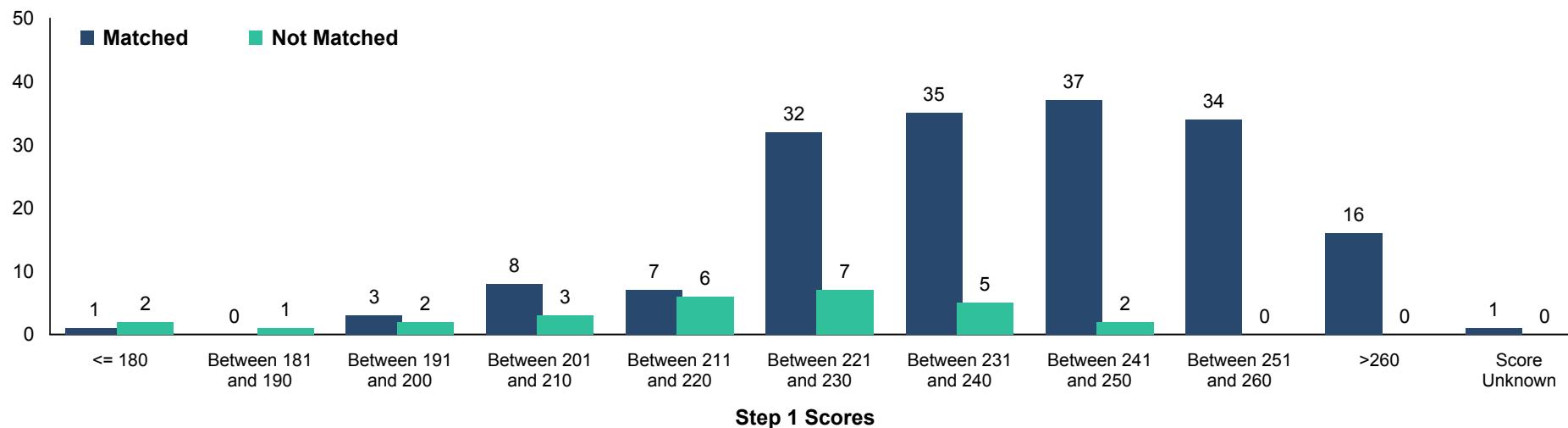


Source: NRMP Data Warehouse

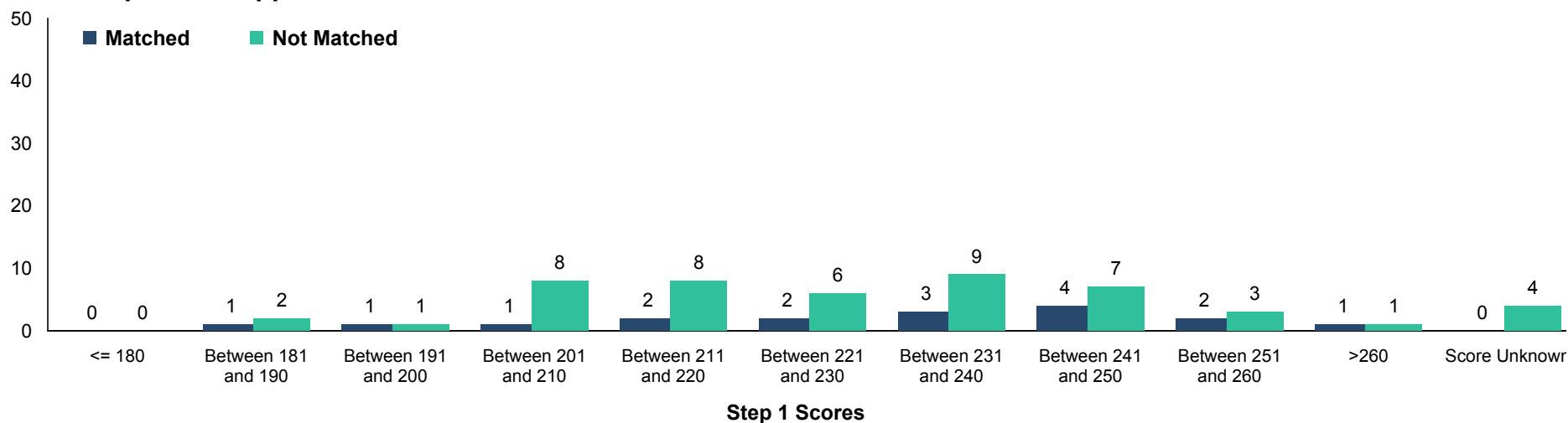
Chart NS-3

USMLE Step 1 Scores Neurological Surgery

U.S. Seniors

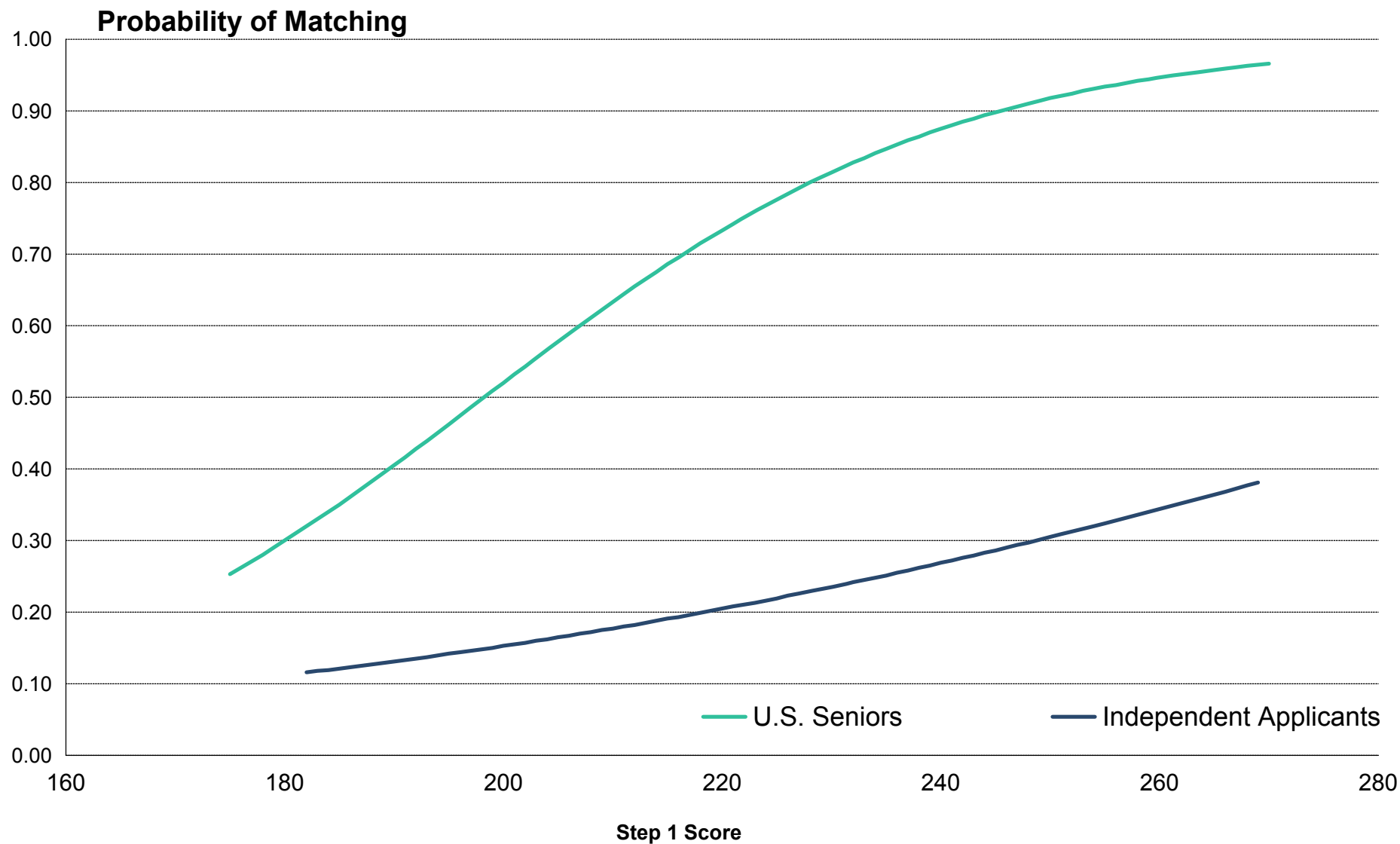


Independent Applicants



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

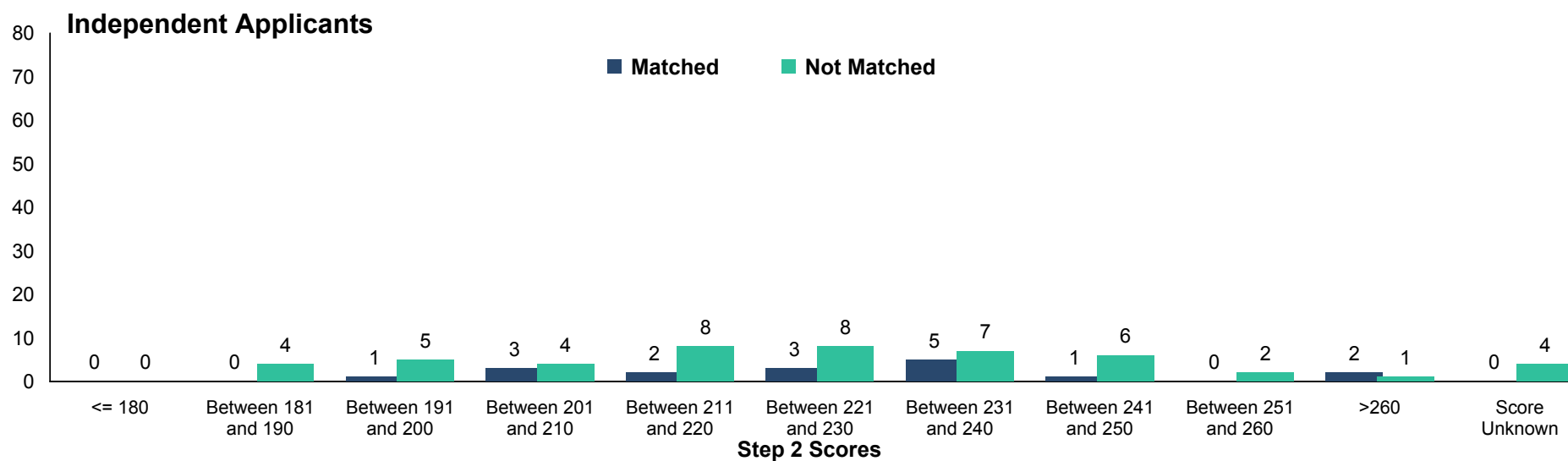
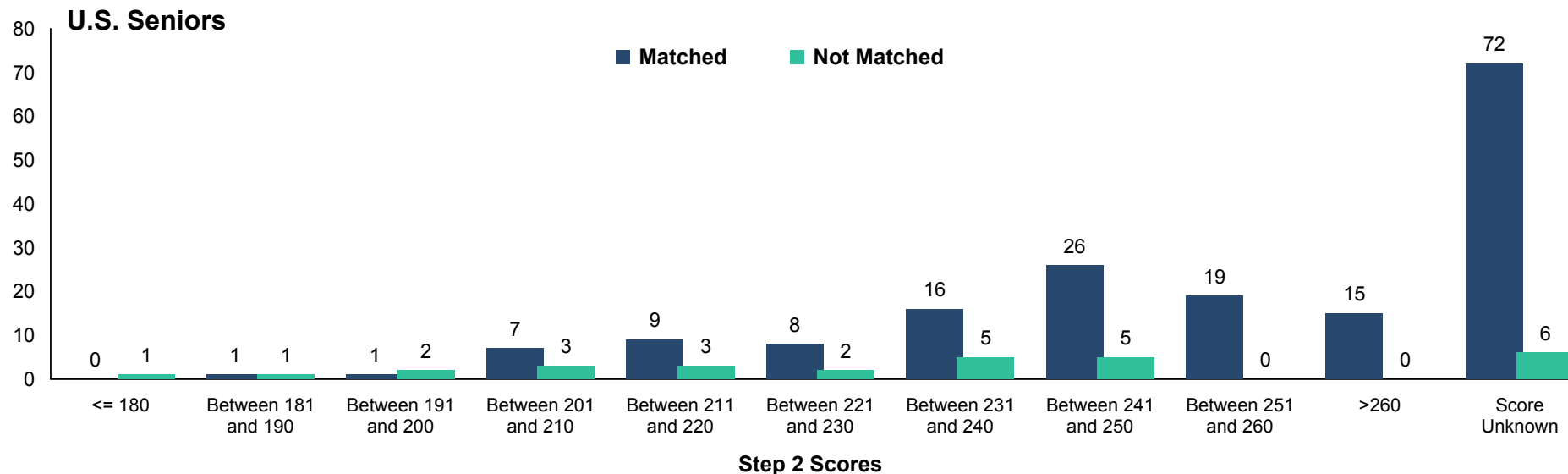
Probability of Matching to Preferred Specialty by USMLE Step 1 Score *Neurological Surgery*



Source: NRMP Data Warehouse and AAMC Data Warehouse. USMLE scores by permission of the NBME and ECFMG. Note: Probabilities calculated based on 2009-2011 applicants.

Chart NS-4

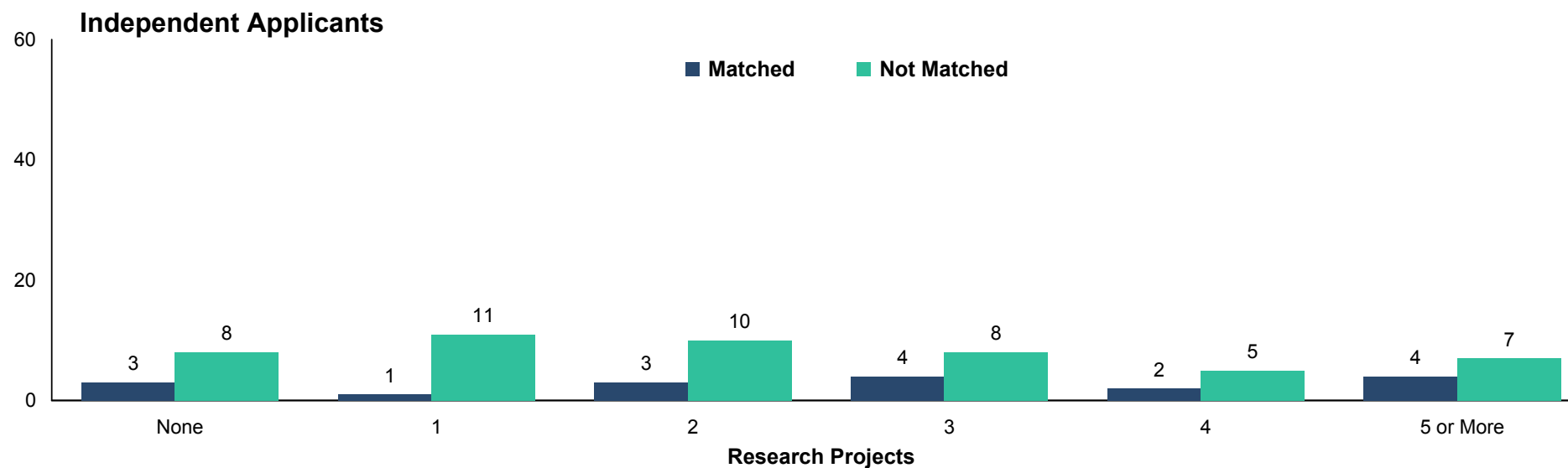
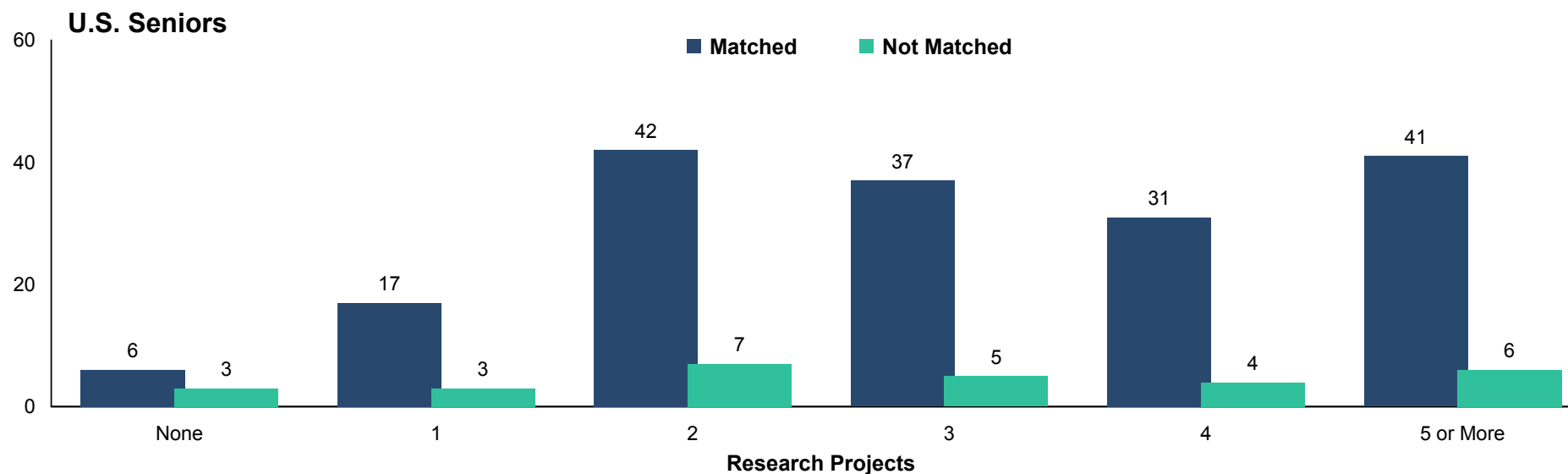
USMLE Step 2 Scores Neurological Surgery



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

**Chart
NS-5**

**Number of Research Projects
*Neurological Surgery***

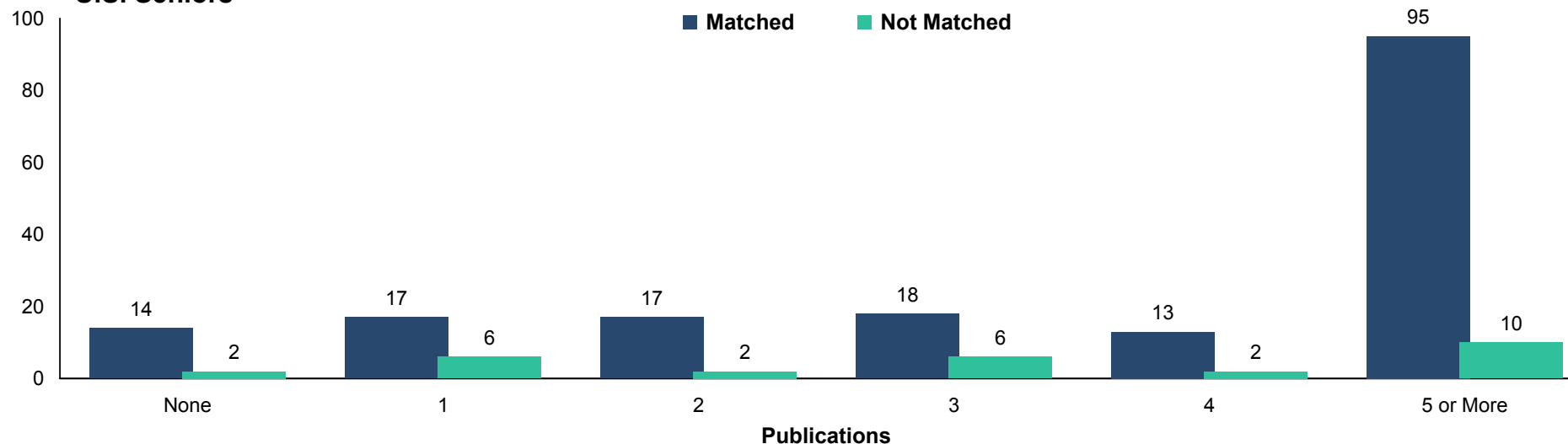


Source: NRMP Data Warehouse and AAMC Data Warehouse

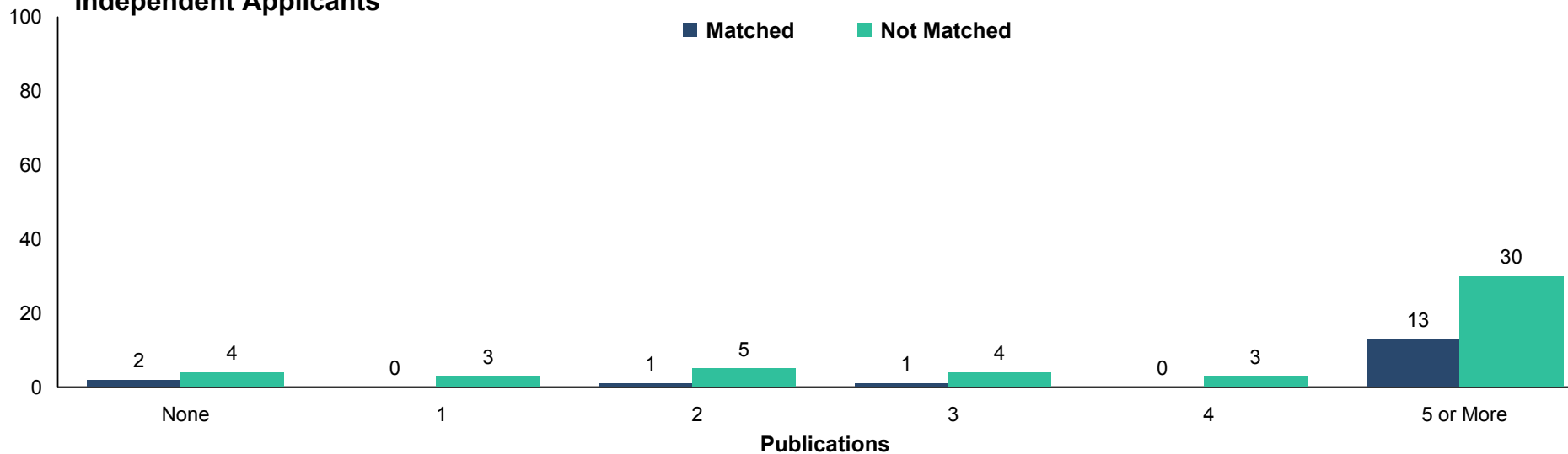
**Chart
NS-6**

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

U.S. Seniors



Independent Applicants

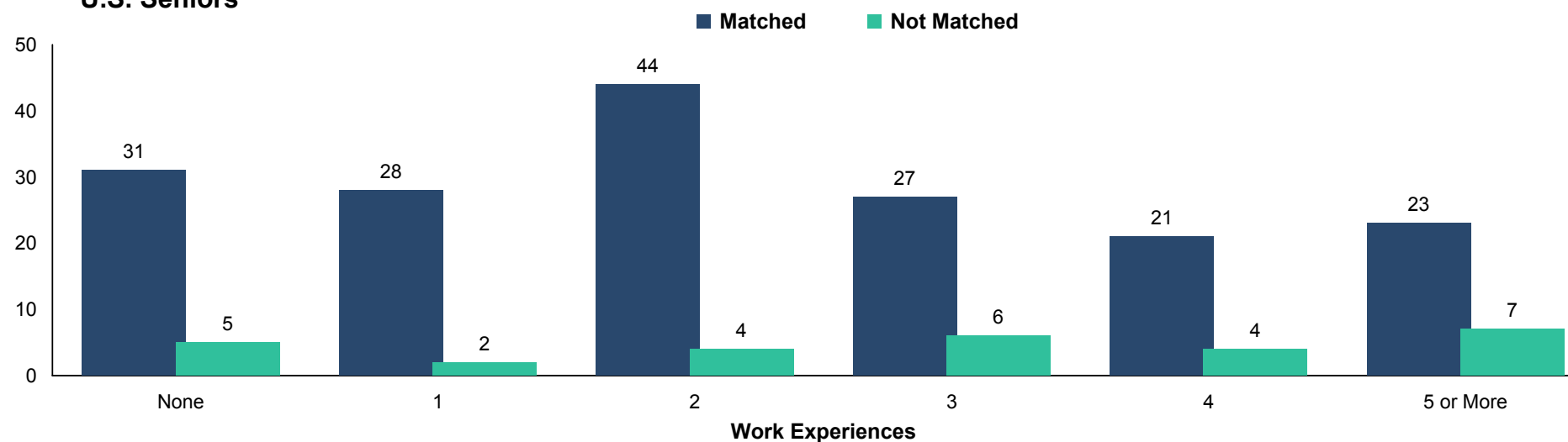


Source: NRMP Data Warehouse and AAMC Data Warehouse

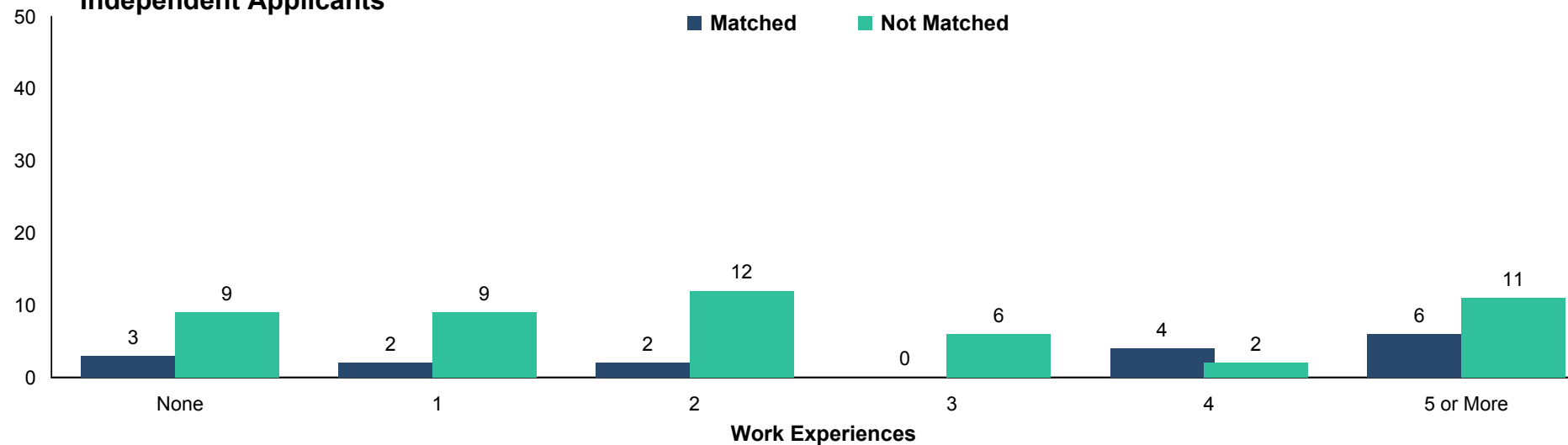
**Chart
NS-7**

**Number of Work Experiences
*Neurological Surgery***

U.S. Seniors



Independent Applicants

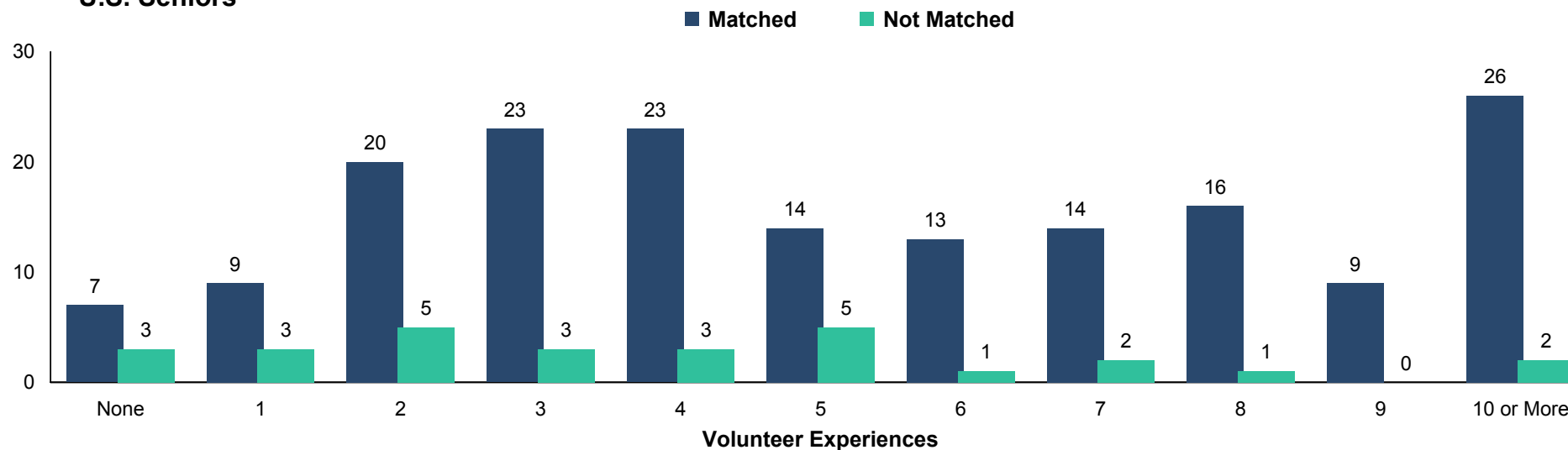


Source: NRMP Data Warehouse and AAMC Data Warehouse

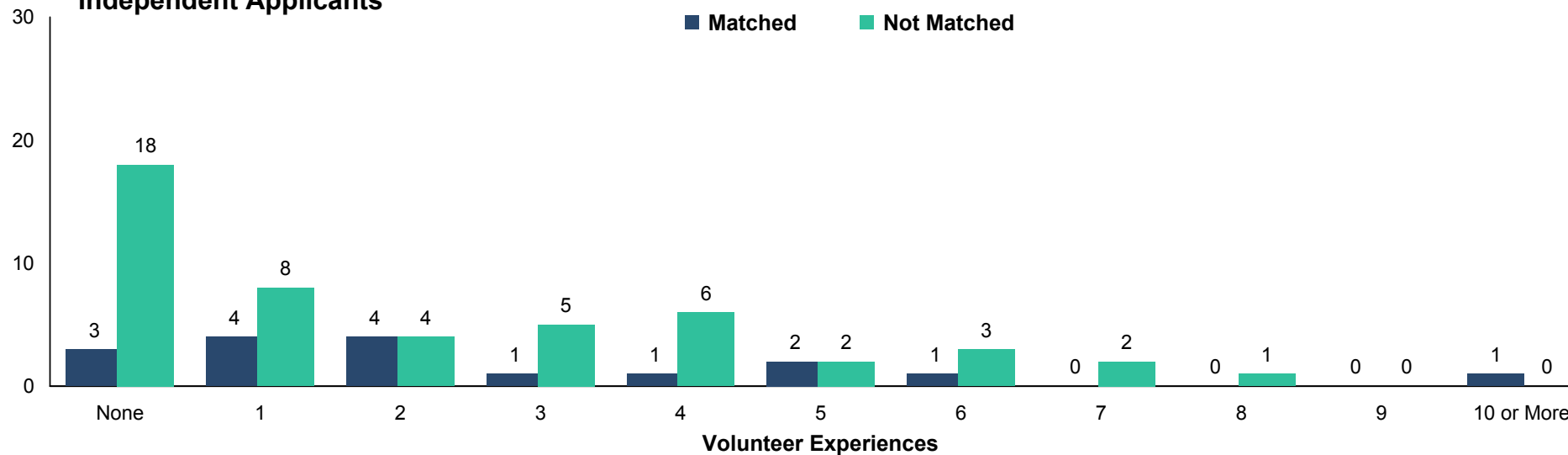
Chart NS-8

Number of Volunteer Experiences *Neurological Surgery*

U.S. Seniors



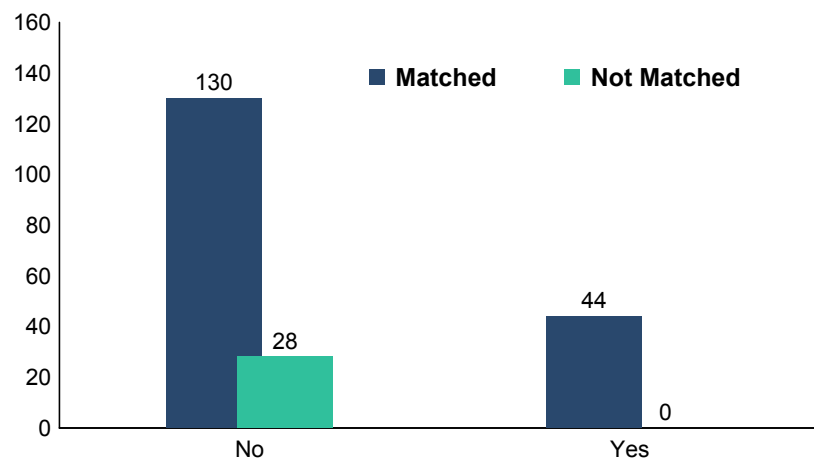
Independent Applicants



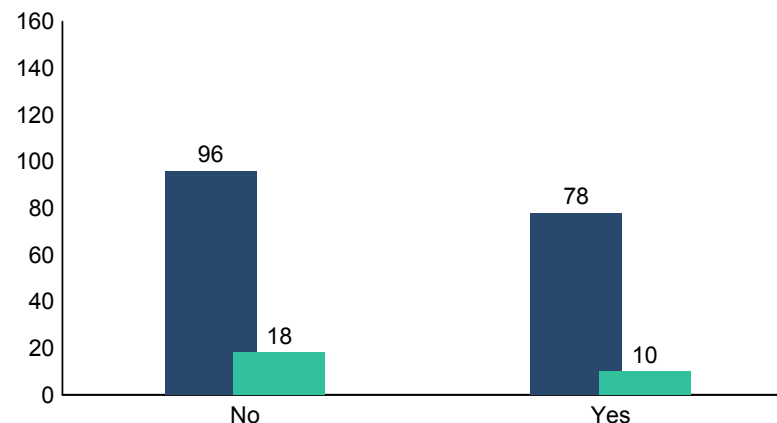
Source: NRMP Data Warehouse and AAMC Data Warehouse

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

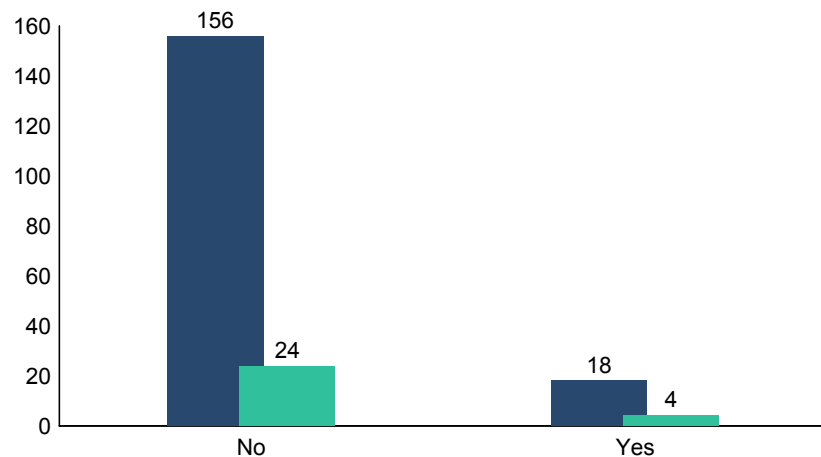
AOA Membership



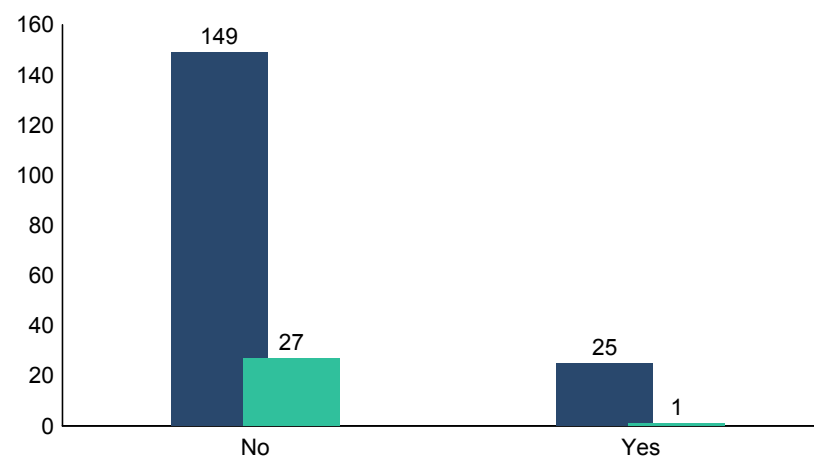
Graduate of One of the 40 U.S. Medical Schools with the Highest NIH Funding



Ph.D. Degree



Other Graduate Degree



Source: 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

N

Neurology

Table N-1 Summary Statistics Neurology

Measure	U.S. Seniors		Independent Applicants	
	Matched (n=360)	Unmatched (n=15)	Matched (n=210)	Unmatched (n=170)
1. Mean number of contiguous ranks	10.2	5.1	6.3	2.1
2. Mean number of distinct specialties ranked	1.2	2.0	1.6	1.9
3. Mean USMLE Step 1 score	225	212	224	216
4. Mean USMLE Step 2 score	233	209	227	216
5. Mean number of research experiences	2.9	2.2	1.9	1.9
6. Mean number of abstracts, presentations, and publications	4.2	1.7	4.9	5.9
7. Mean number of work experiences	2.4	4.0	3.4	3.9
8. Mean number of volunteer experiences	5.6	5.2	3.1	2.4
9. Percentage who are AOA members	11.9	0.0	n/a	n/a
10. Percentage who graduated from one of the 40 U.S. medical schools with the highest NIH funding	32.5	26.7	n/a	n/a
11. Percentage who have Ph.D. degree	11.9	6.7	n/a	n/a
12. Percentage who have another graduate degree	15.3	26.7	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.

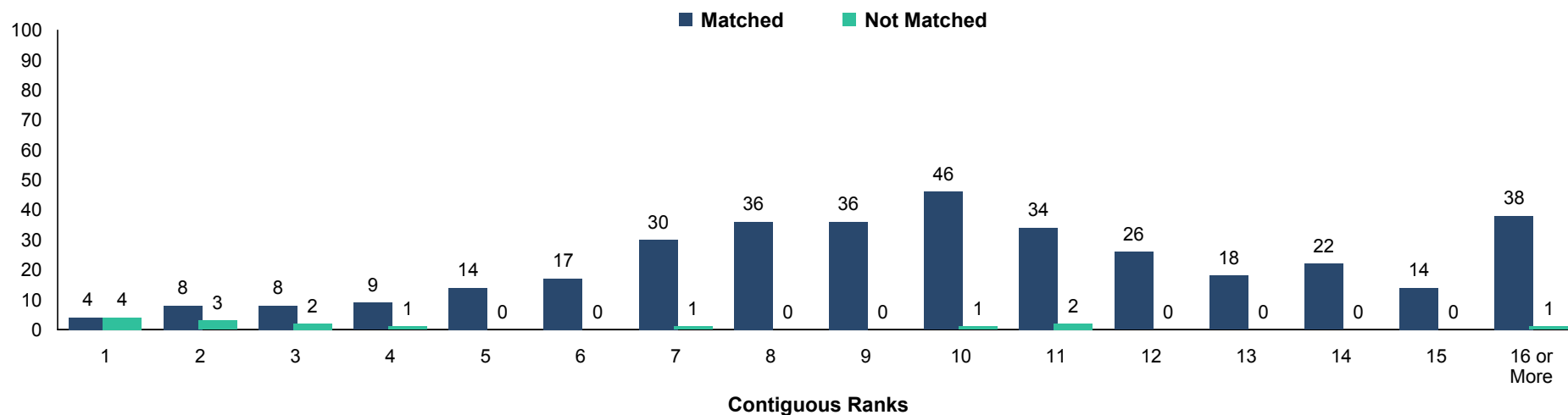
Sources: Measures 1, 2, and match outcome are from the NRMP Data Warehouse; measures 3 and 4 are from the AAMC Data Warehouse and from the ECFMG, both by permission of the NBME and ECFMG; measures 5-9 are from the AAMC Data Warehouse; measure 10 is from the NIH website (<http://report.nih.gov/award/trends/AggregateDate.cfm> 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 20 percent of U.S. allopathic medical school seniors do not take the USMLE Step 2 prior to the Match.

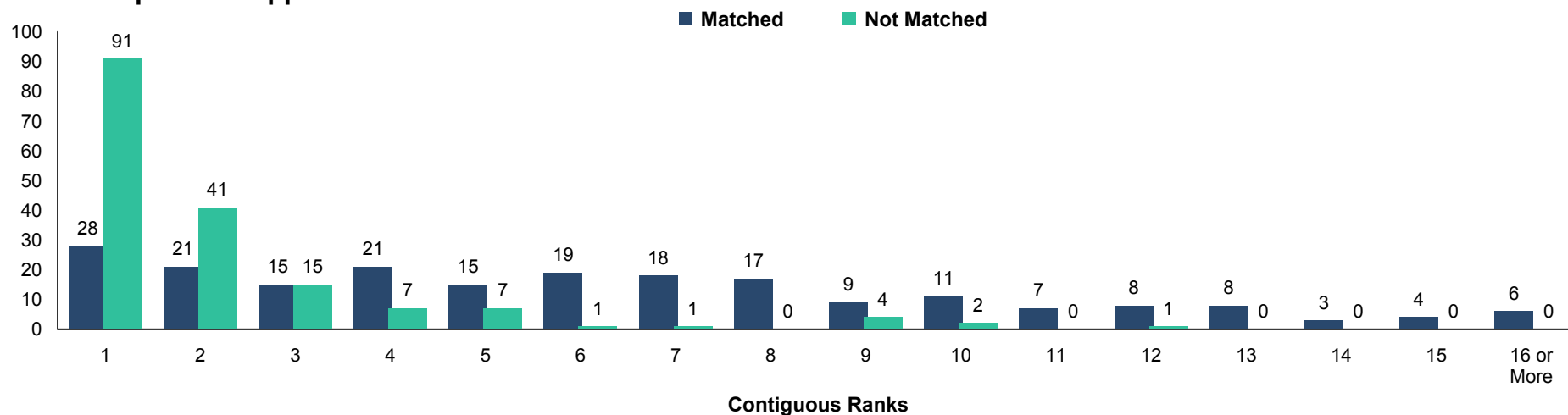
**Chart
N-1**

Number of Contiguous Ranks Within Preferred Specialty Neurology

U.S. Seniors



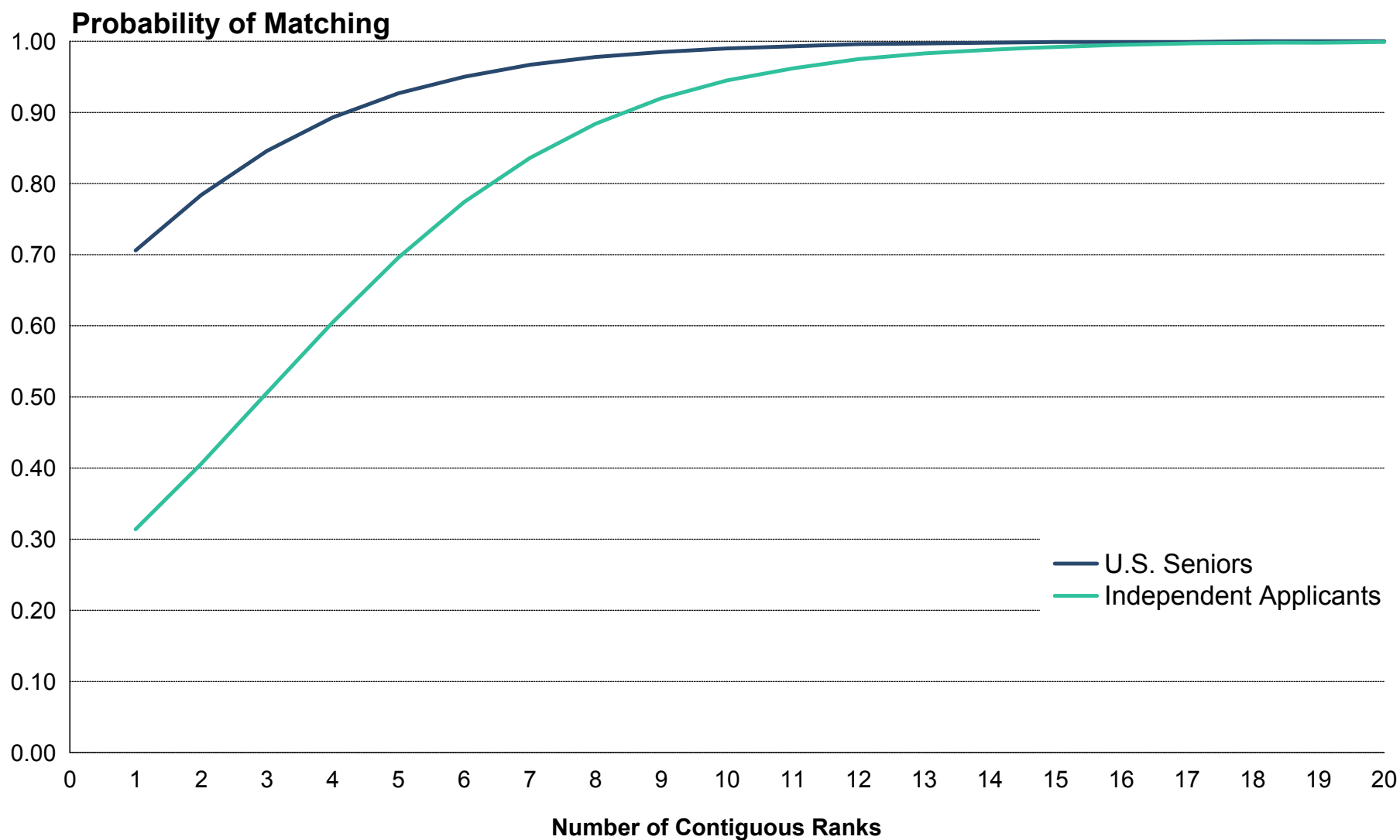
Independent Applicants



Source: NRMP Data Warehouse

**Graph
N-1**

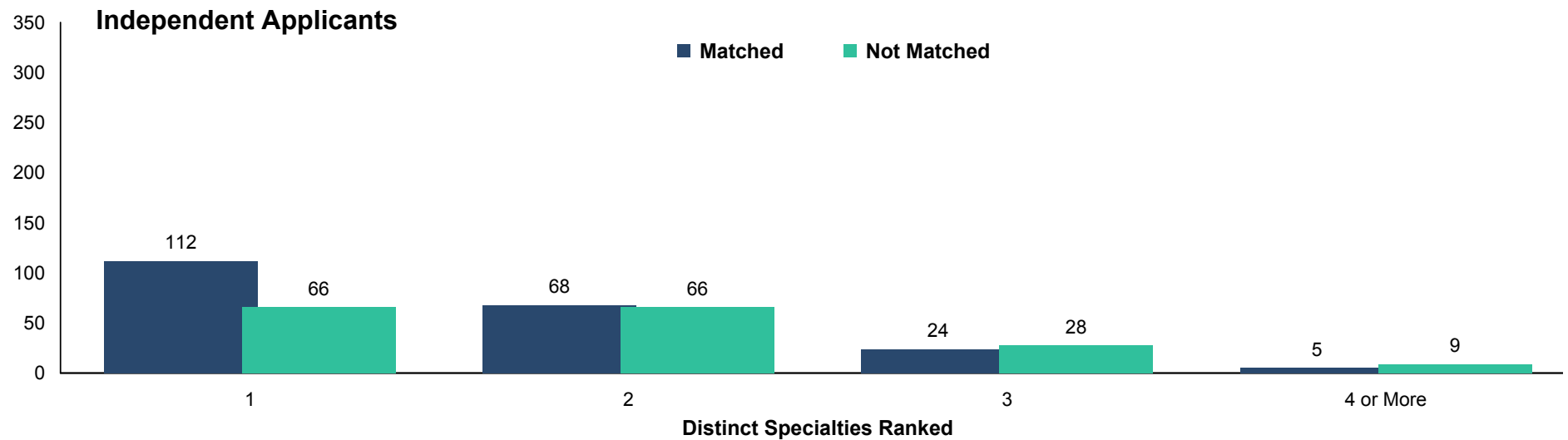
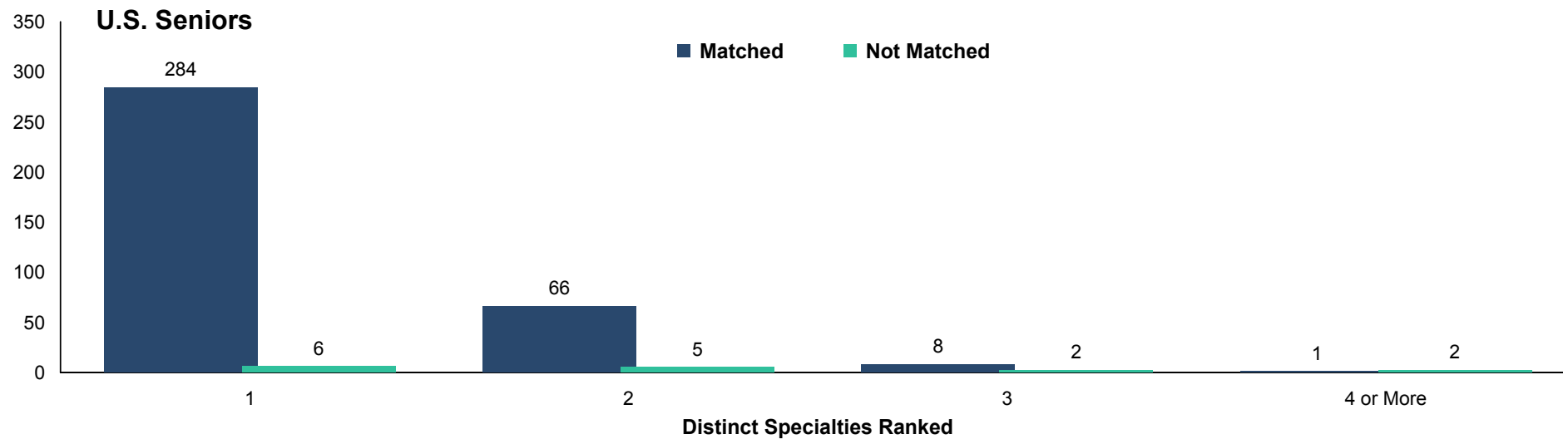
Probability of Matching to Preferred Specialty by Number of Contiguous Ranks
Neurology



Source: NRMP Data Warehouse. Note: Probabilities calculated based on 2009-2011 applicants

**Chart
N-2**

Number of Distinct Specialties Ranked *Neurology*

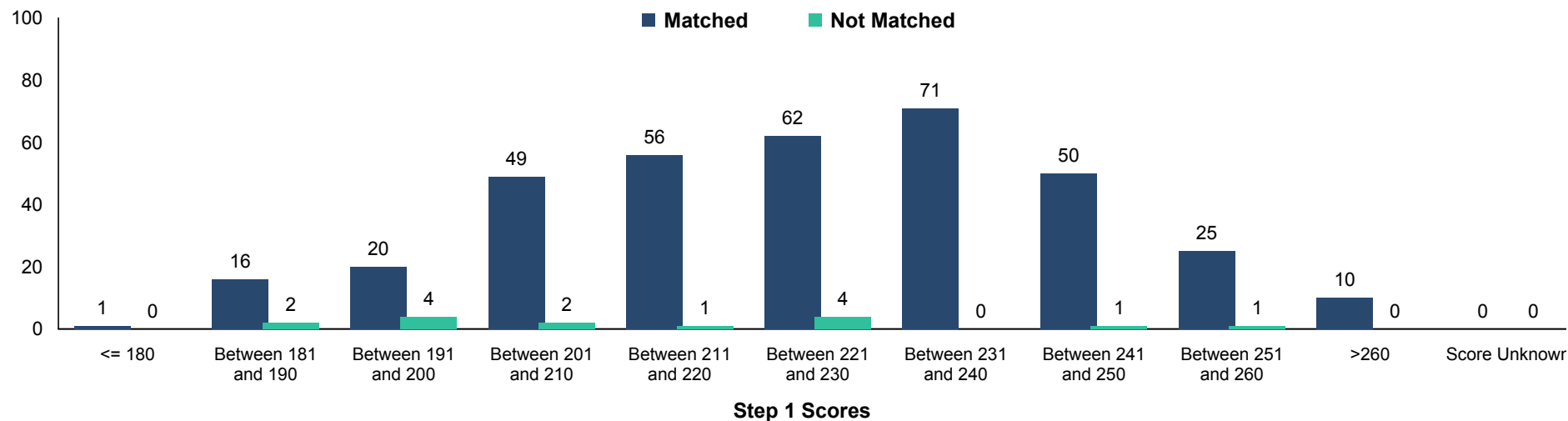


Source: NRMP Data Warehouse

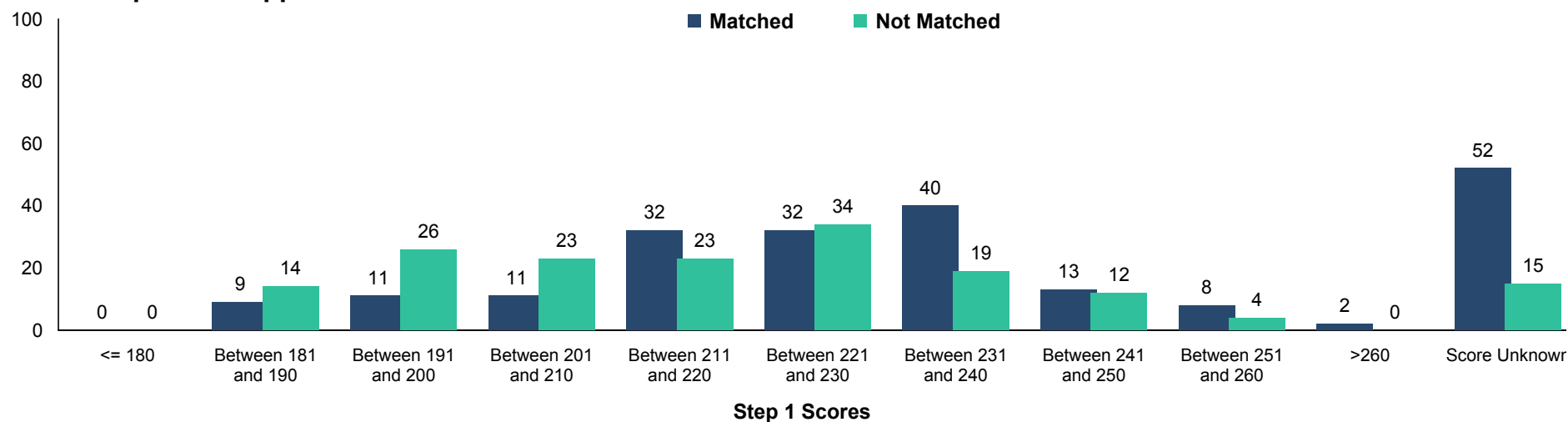
Chart N-3

USMLE Step 1 Scores Neurology

U.S. Seniors



Independent Applicants

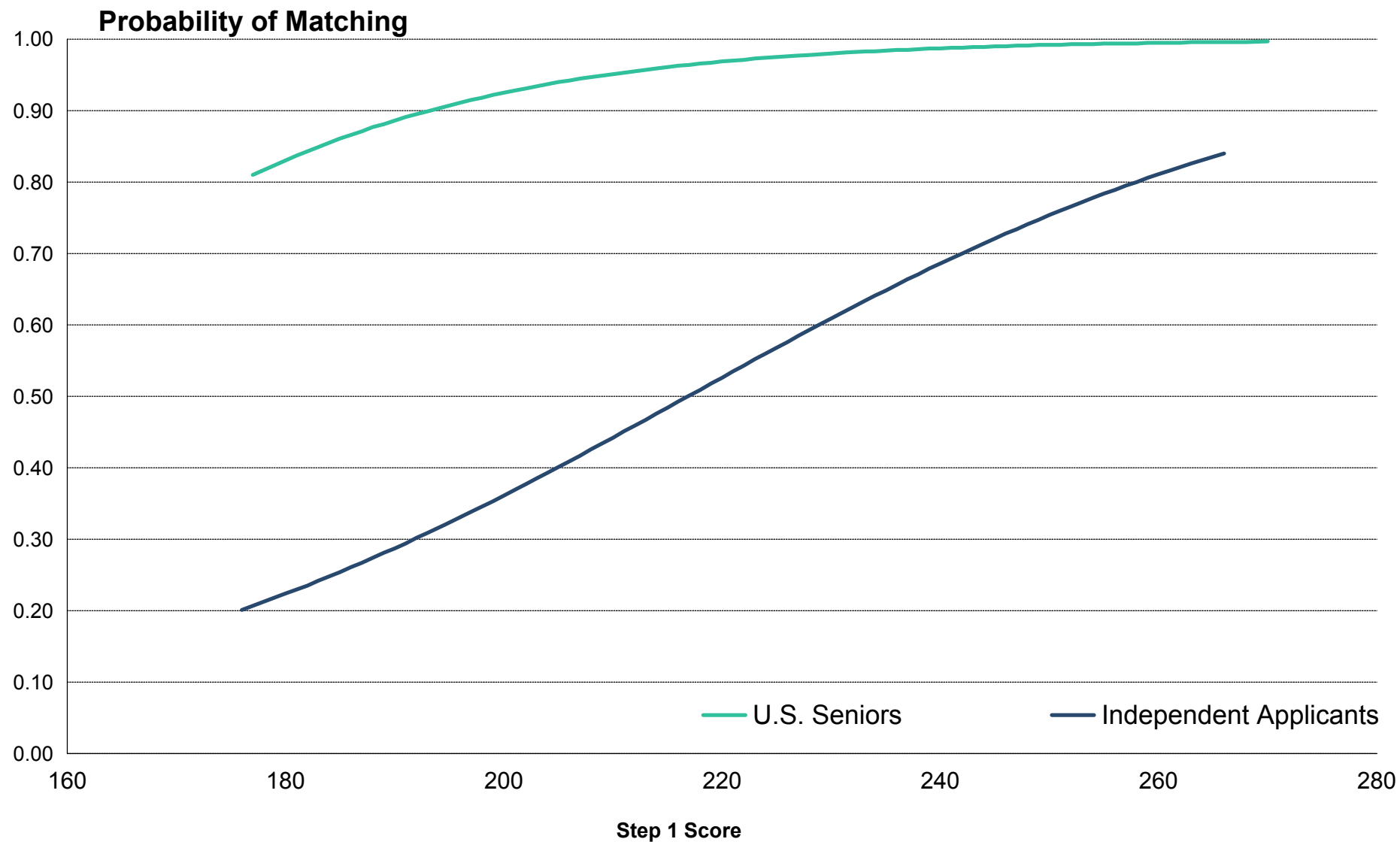


Source: NRMP Data Warehouse and AAMC Data Warehouse. USMLE scores by permission of the NBME and ECFMG.

**Graph
N-2**

Probability of Matching to Preferred Specialty by USMLE Step 1 Score

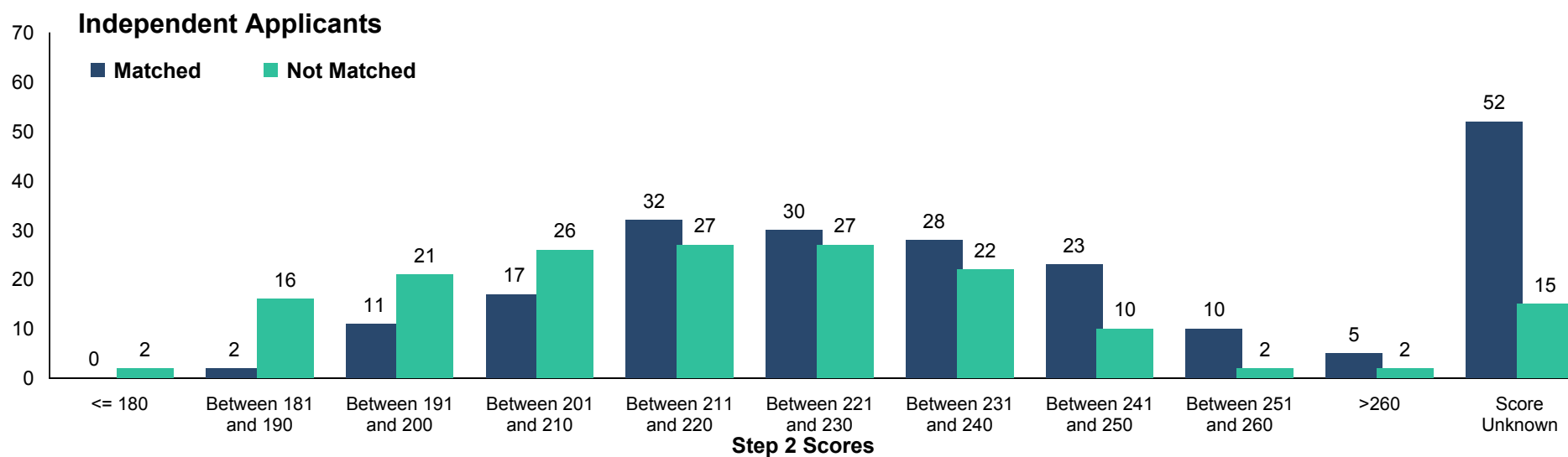
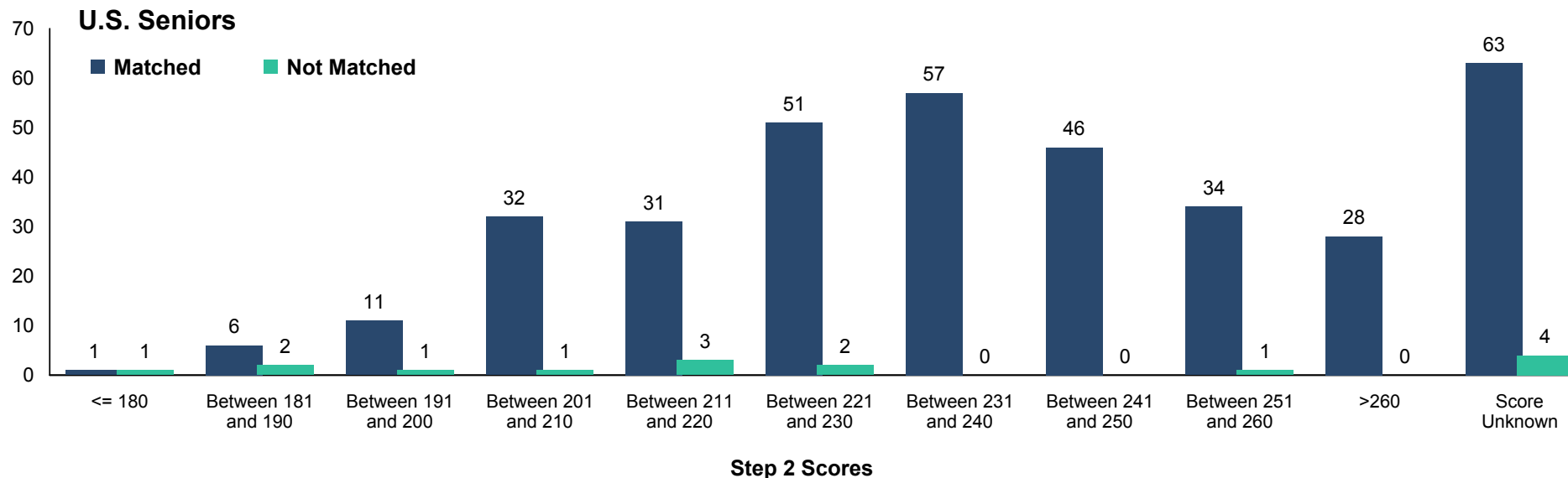
Neurology



Source: NRMP Data Warehouse and AAMC Data Warehouse. USMLE scores by permission of the NBME and ECFMG. Note: Probabilities calculated based on 2009-2011 applicants.

Chart N-4

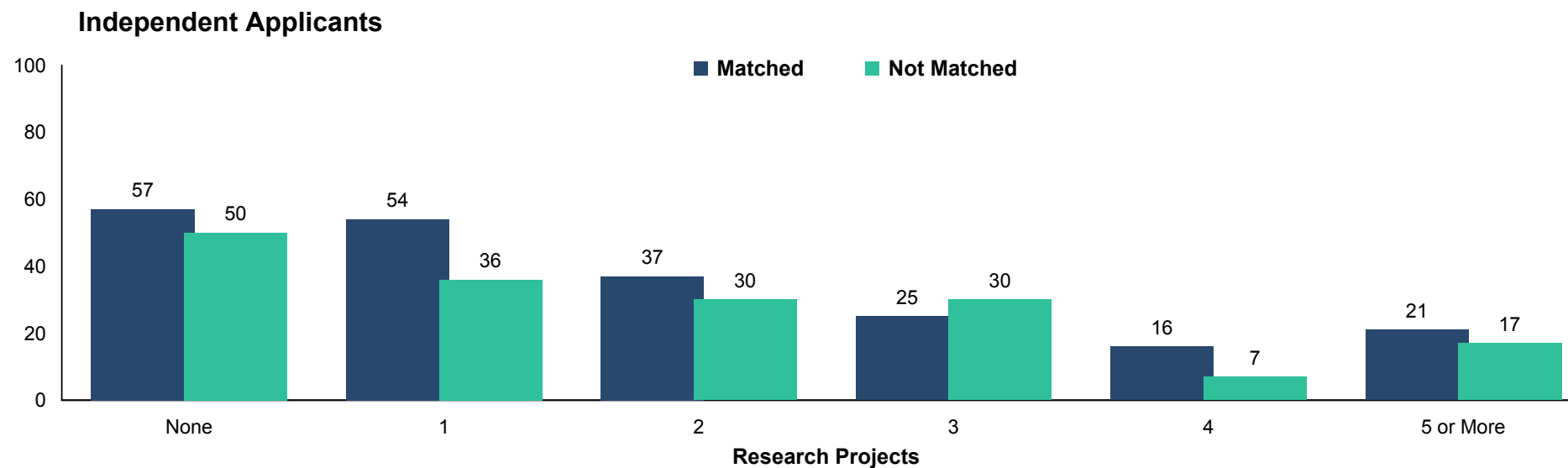
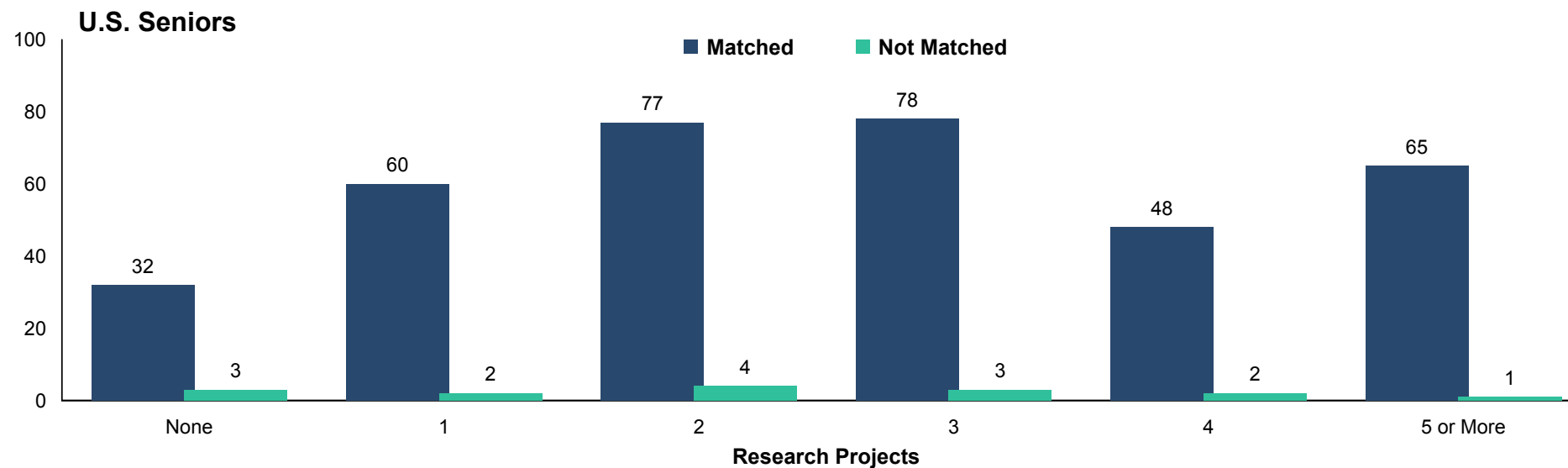
USMLE Step 2 Scores Neurology



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

Chart N-5

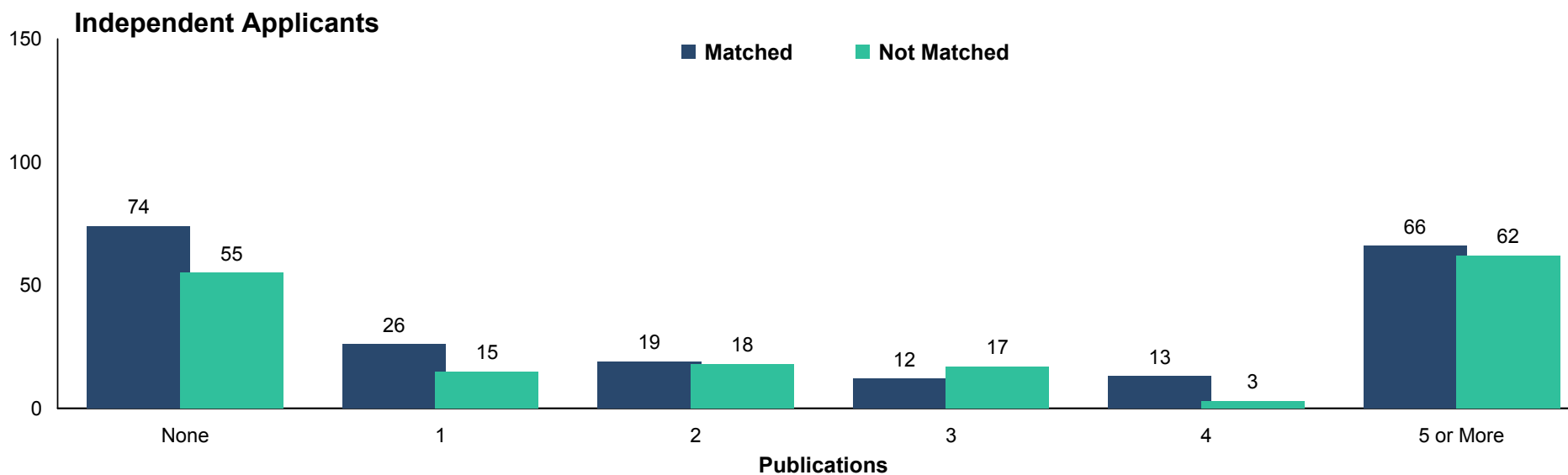
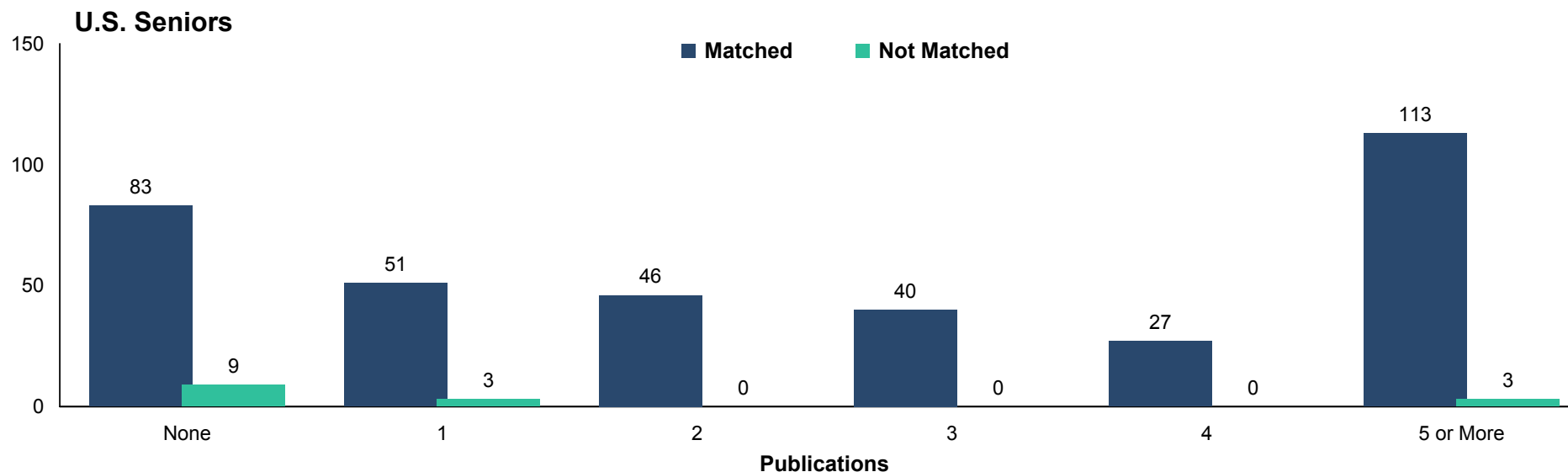
Number of Research Projects *Neurology*



Source: NRMP Data Warehouse and AAMC Data Warehouse

**Chart
N-6**

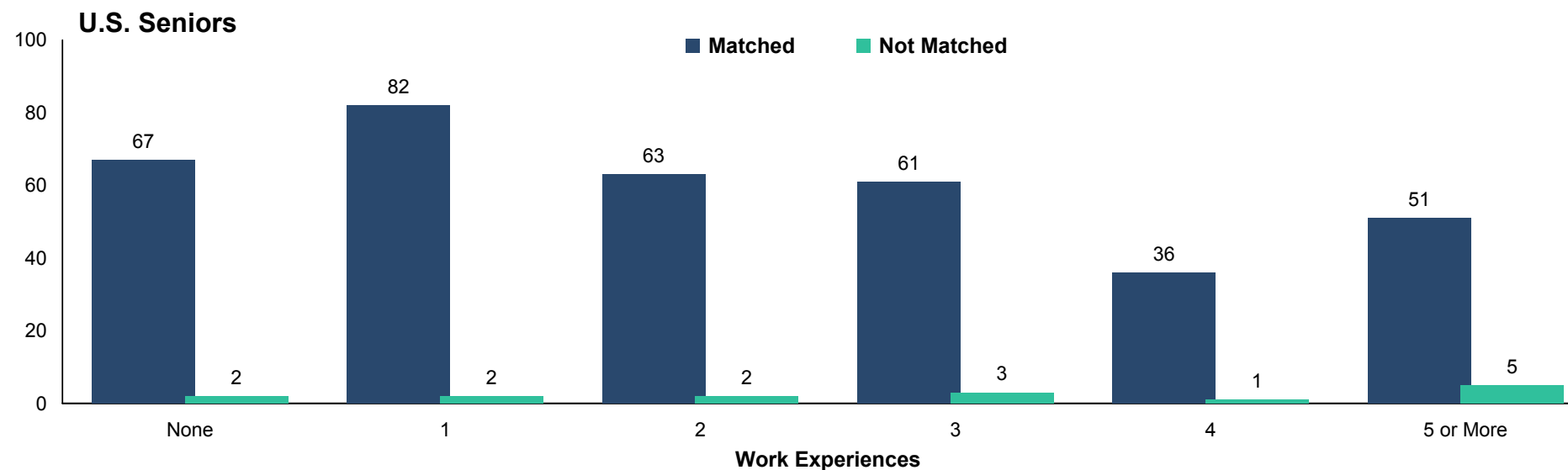
Number of Abstracts, Presentations, and Publications
Neurology



Source: NRMP Data Warehouse and AAMC Data Warehouse

Chart N-7

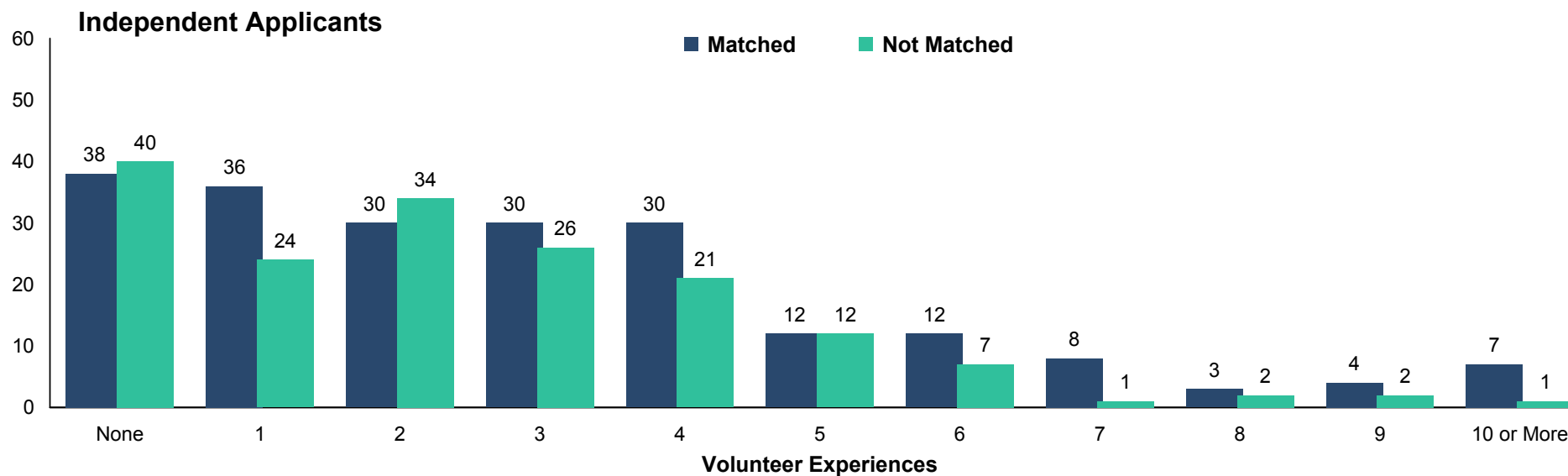
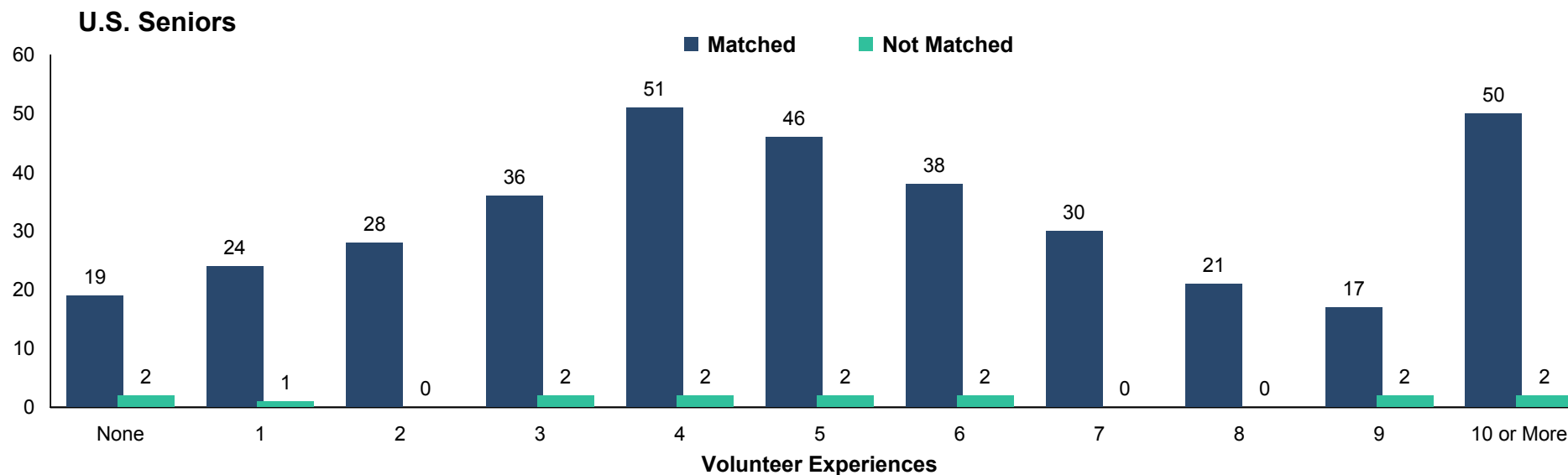
Number of Work Experiences Neurology



Source: NRMP Data Warehouse and AAMC Data Warehouse

Chart N-8

Number of Volunteer Experiences *Neurology*

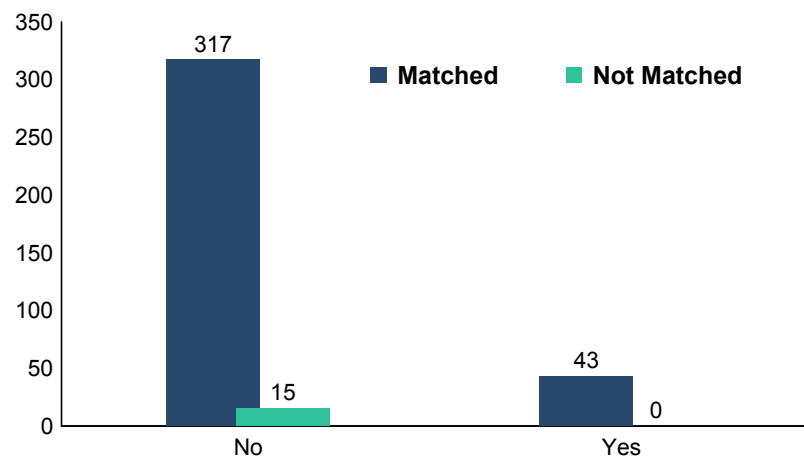


Source: NRMP Data Warehouse and AAMC Data Warehouse

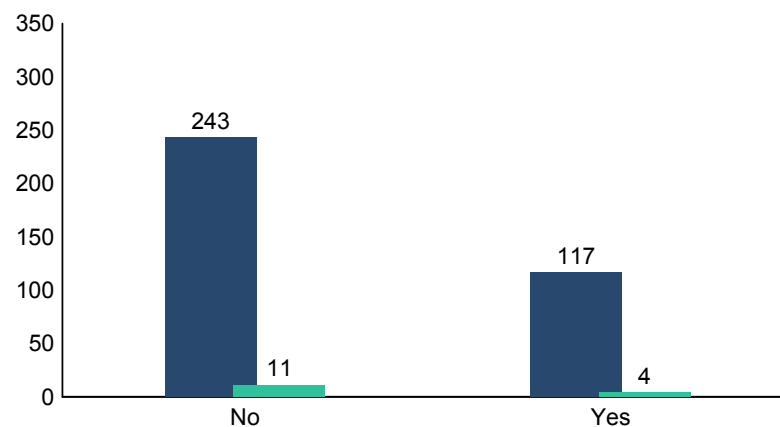
Chart N-9

Other Characteristics of U.S. Seniors *Neurology*

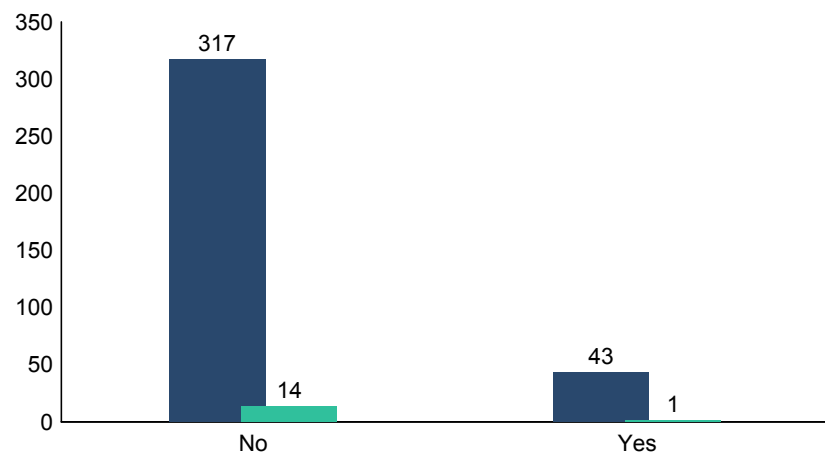
AOA Membership



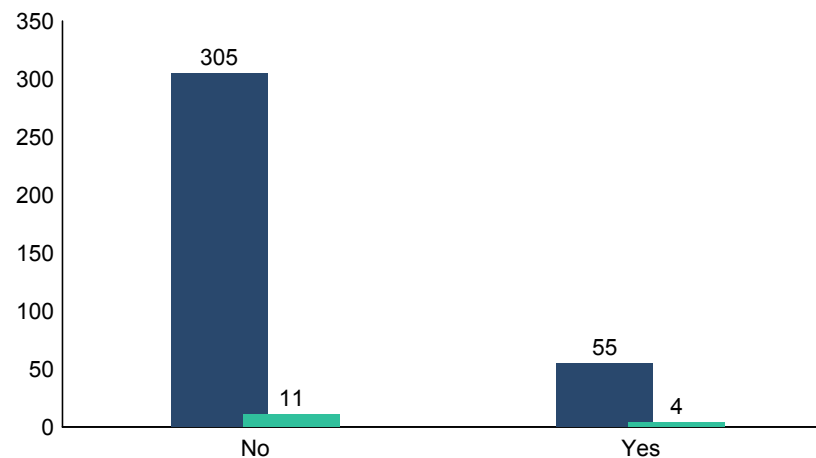
Graduate of One of the 40 U.S. Medical Schools with the Highest NIH Funding



Ph.D. Degree



Other Graduate Degree



Source: 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

OB **Obstetrics and Gynecology**

Measure	U.S. Seniors		Independent Applicants	
	Matched (n=890)	Unmatched (n=57)	Matched (n=291)	Unmatched (n=271)
1. Mean number of contiguous ranks	11.0	5.4	8.2	2.8
2. Mean number of distinct specialties ranked	1.0	1.2	1.2	1.5
3. Mean USMLE Step 1 score	220	202	218	206
4. Mean USMLE Step 2 score	233	210	223	212
5. Mean number of research experiences	2.2	2.2	1.5	1.2
6. Mean number of abstracts, presentations, and publications	2.4	2.2	2.1	2.9
7. Mean number of work experiences	2.9	2.3	3.0	3.8
8. Mean number of volunteer experiences	7.5	6.3	5.1	3.2
9. Percentage who are AOA members	10.8	3.5	n/a	n/a
10. Percentage who graduated from one of the 40 U.S. medical schools with the highest NIH funding	30.6	24.6	n/a	n/a
11. Percentage who have Ph.D. degree	1.3	7.0	n/a	n/a
12. Percentage who have another graduate degree	14.9	12.3	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.

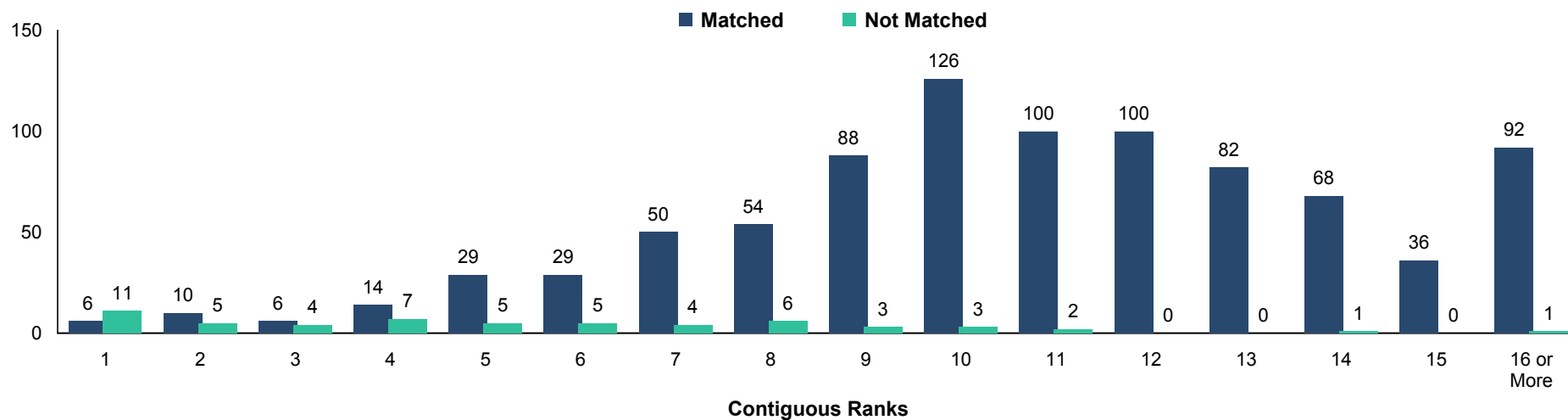
Sources: Measures 1, 2, and match outcome are from the NRMP Data Warehouse; measures 3 and 4 are from the AAMC Data Warehouse and from the ECFMG, both by permission of the NBME and ECFMG; measures 5-9 are from the AAMC Data Warehouse; measure 10 is from the NIH website (<http://report.nih.gov/award/trends/AggregateDate.cfm> 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 20 percent of U.S. allopathic medical school seniors do not take the USMLE Step 2 prior to the Match.

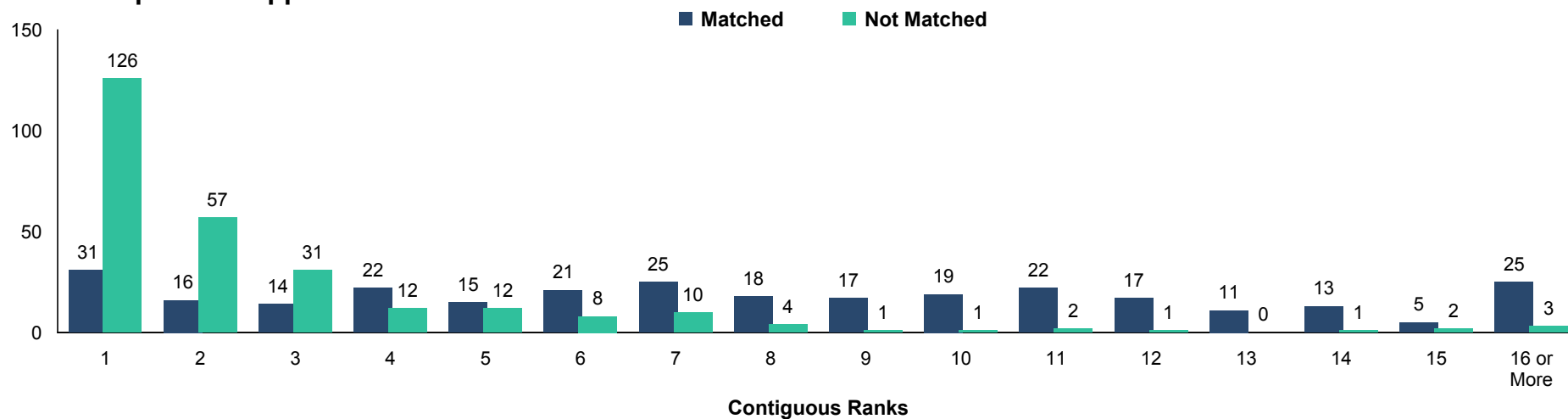
**Chart
OB-1**

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

U.S. Seniors

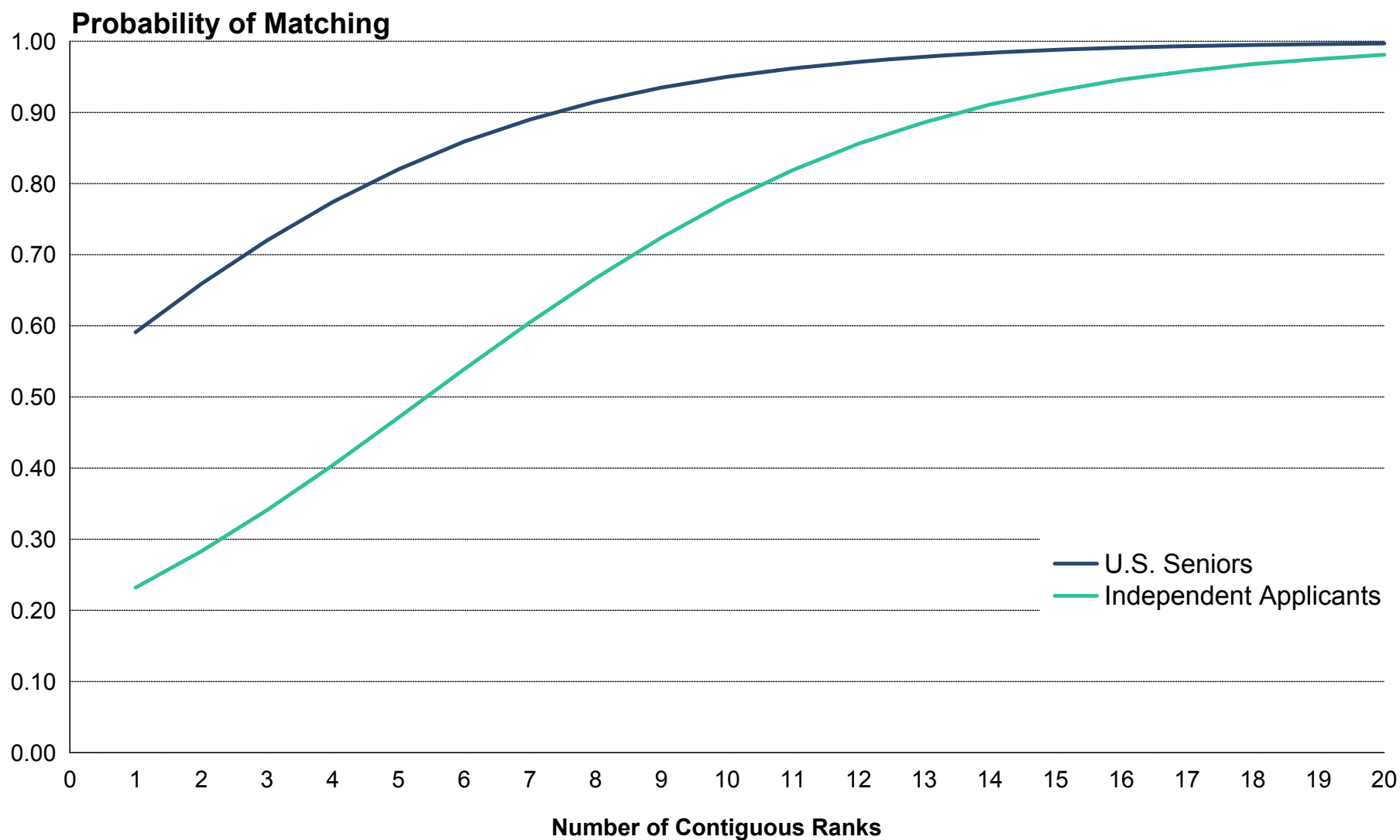


Independent Applicants



Source: NRMP Data Warehouse

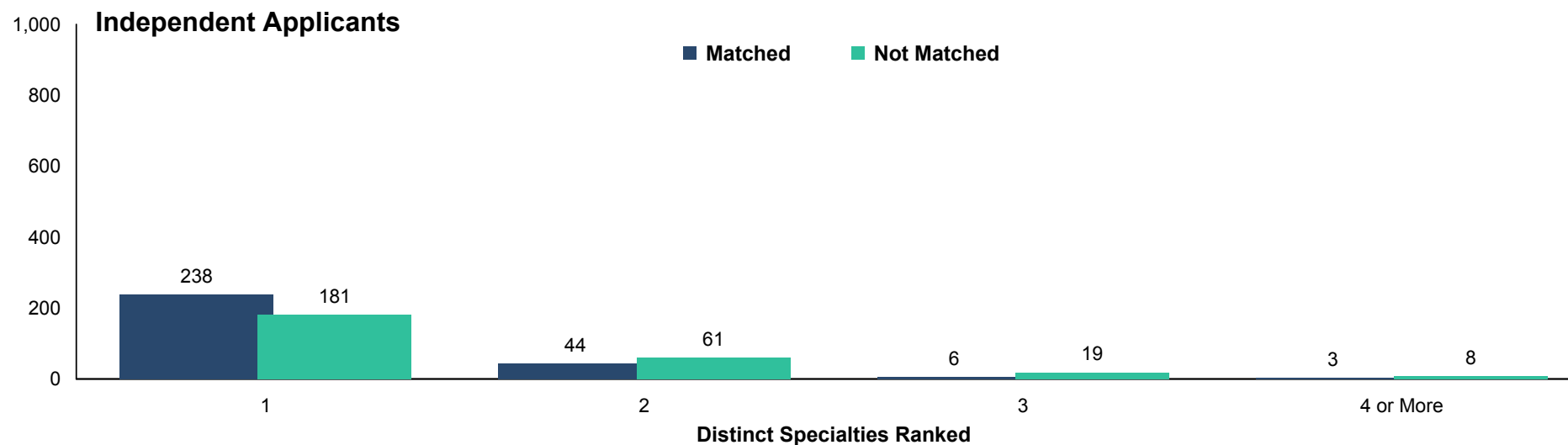
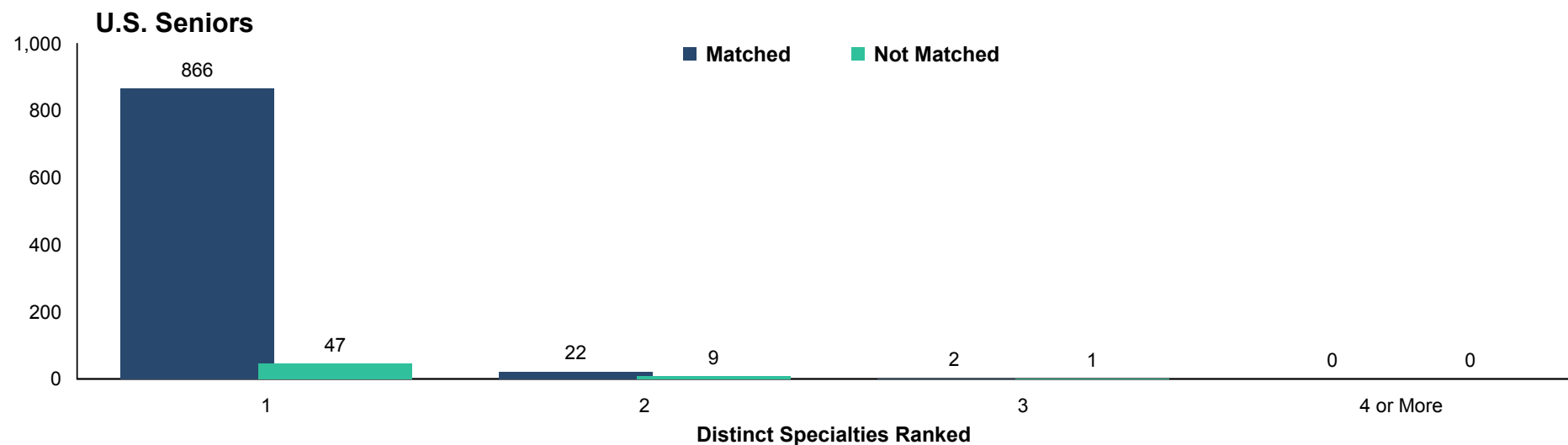
Probability of Matching to Preferred Specialty by Number of Contiguous Ranks *Obstetrics and Gynecology*



Source: NRMP Data Warehouse. Note: Probabilities calculated based on 2009-2011 applicants

**Chart
OB-2**

Number of Distinct Specialties Ranked *Obstetrics and Gynecology*

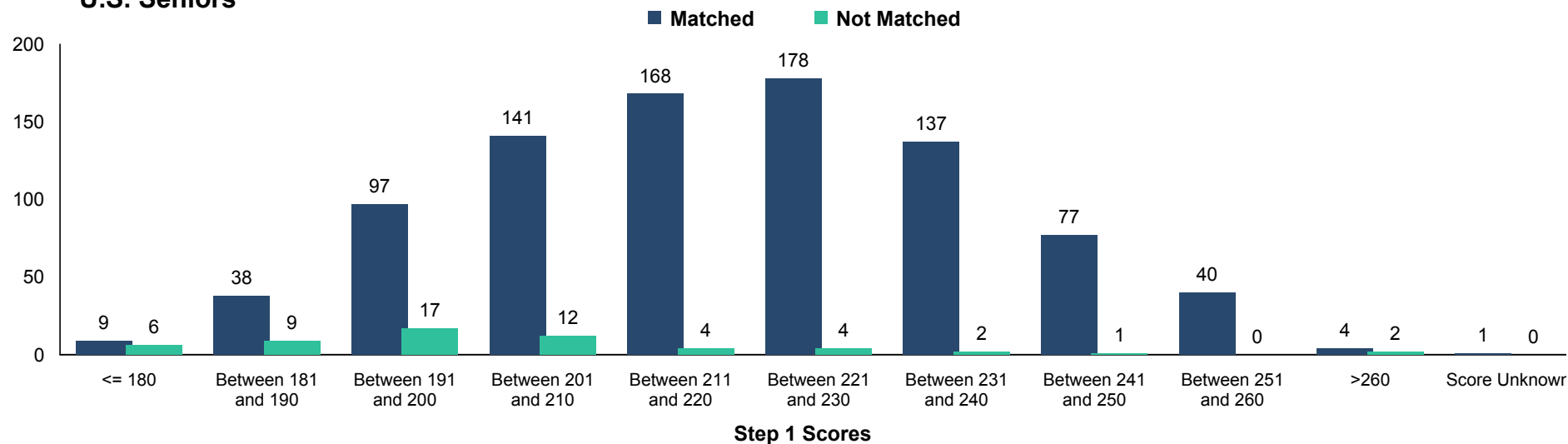


Source: NRMP Data Warehouse

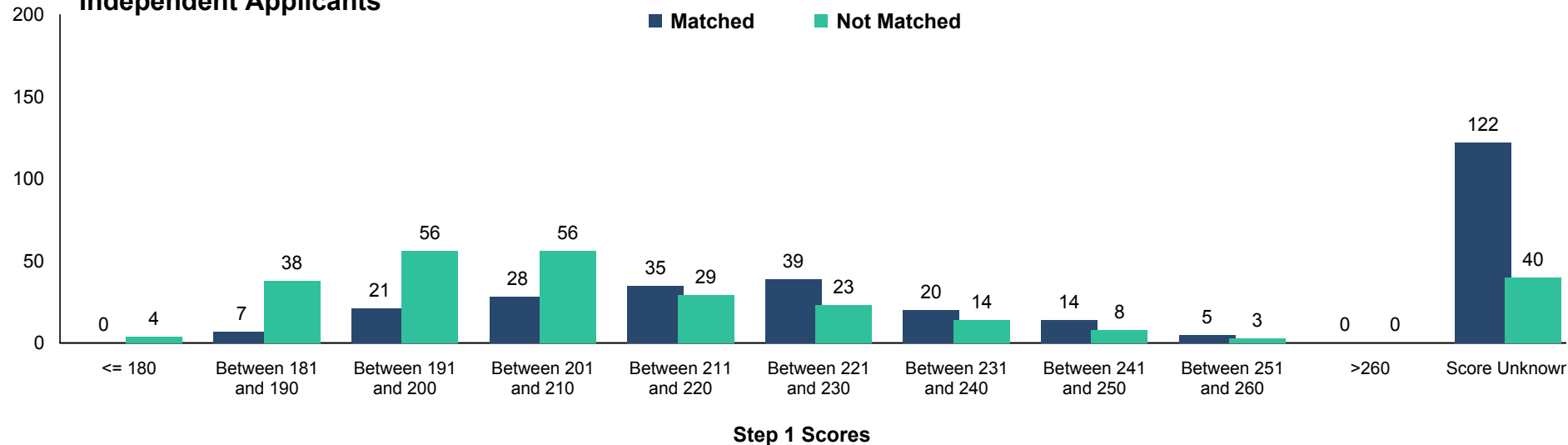
Chart OB-3

USMLE Step 1 Scores *Obstetrics and Gynecology*

U.S. Seniors

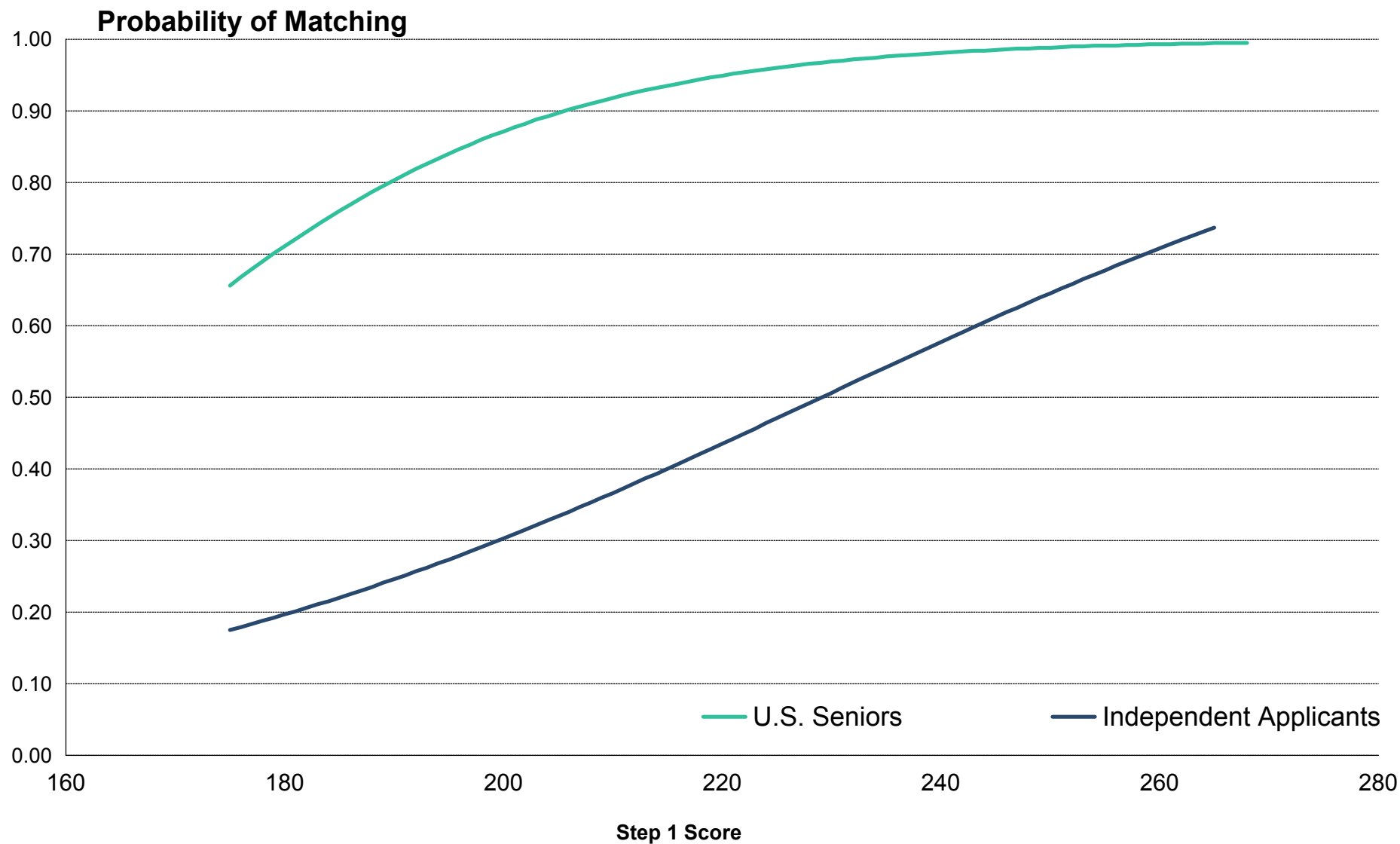


Independent Applicants



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*

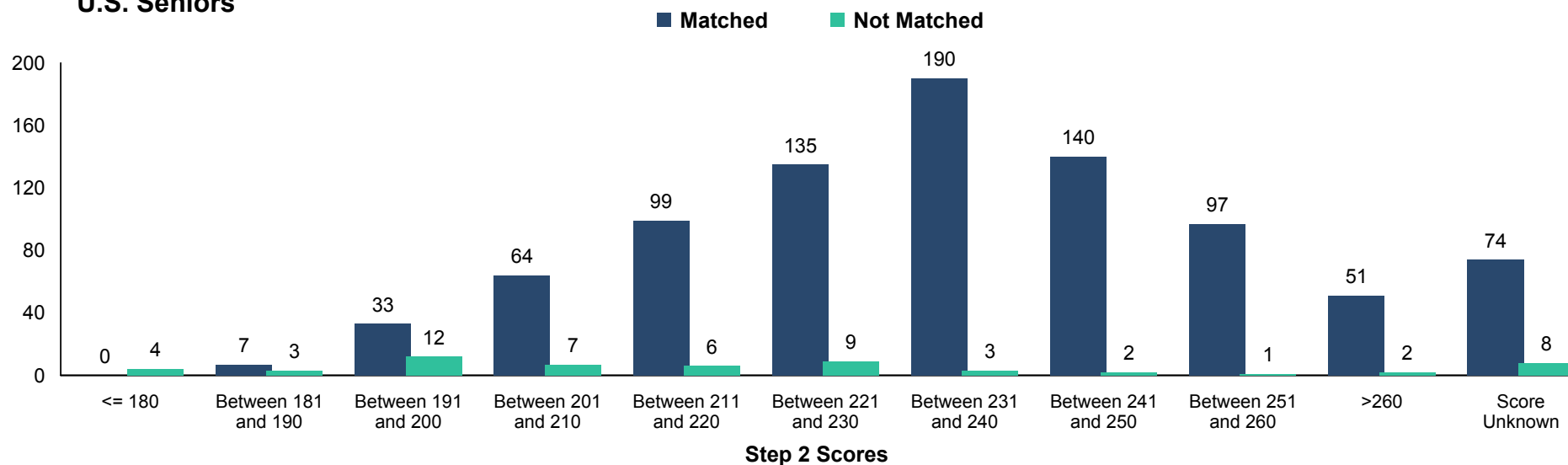


Source: NRMP Data Warehouse and AAMC Data Warehouse. USMLE scores by permission of the NBME and ECFMG. Note: Probabilities calculated based on 2009-2011 applicants.

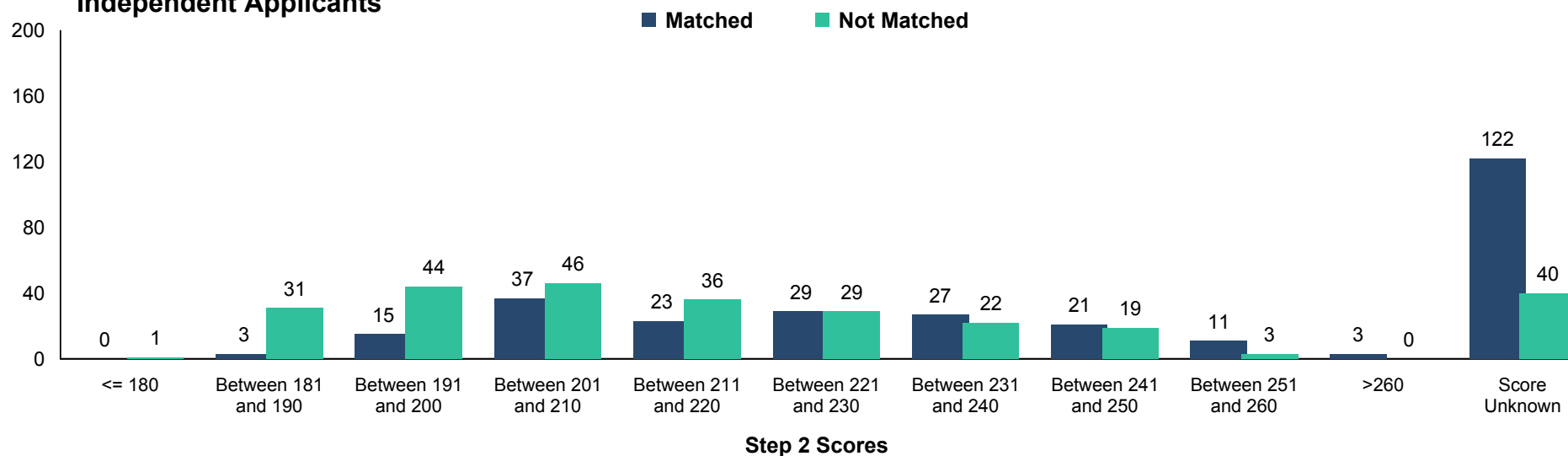
Chart OB-4

USMLE Step 2 Scores Obstetrics and Gynecology

U.S. Seniors



Independent Applicants

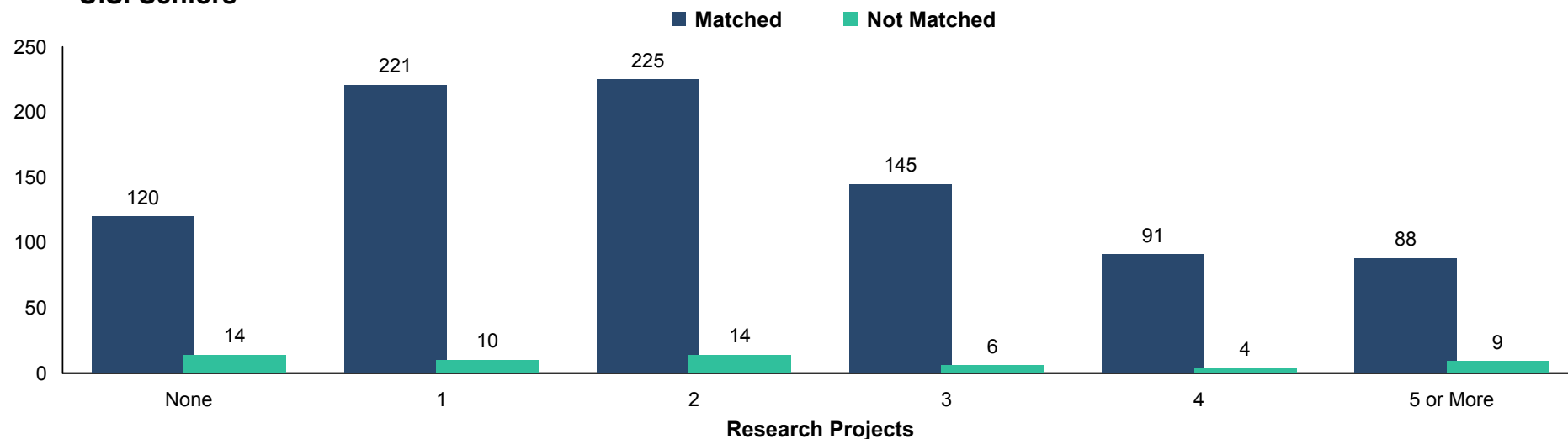


Source: NRMP Data Warehouse and AAMC Data Warehouse. USMLE scores by permission of the NBME and ECFMG.

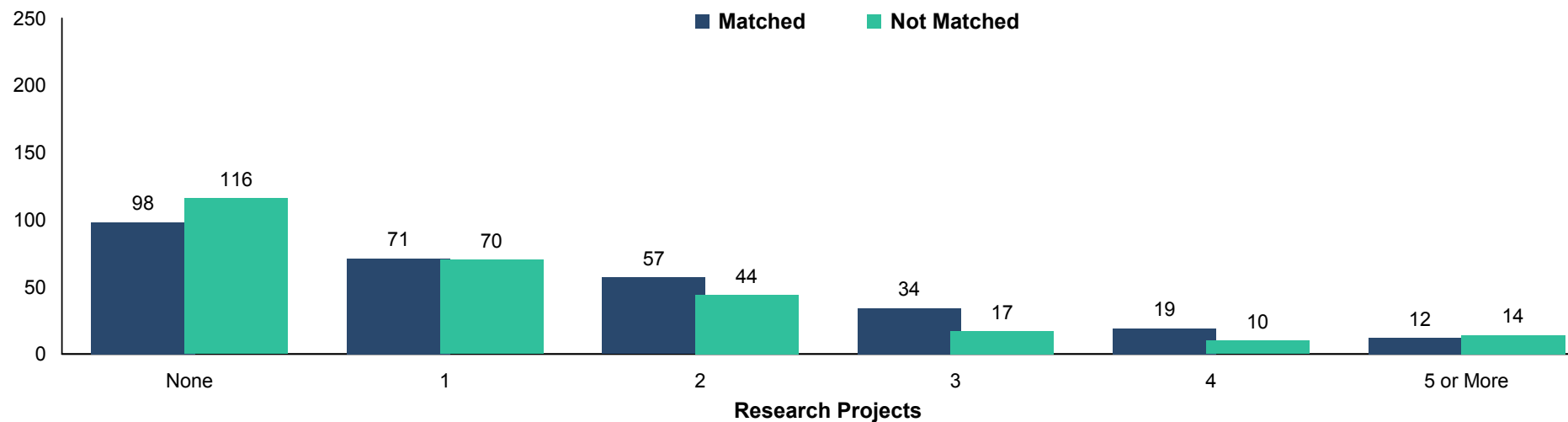
**Chart
OB-5**

Number of Research Projects *Obstetrics and Gynecology*

U.S. Seniors



Independent Applicants

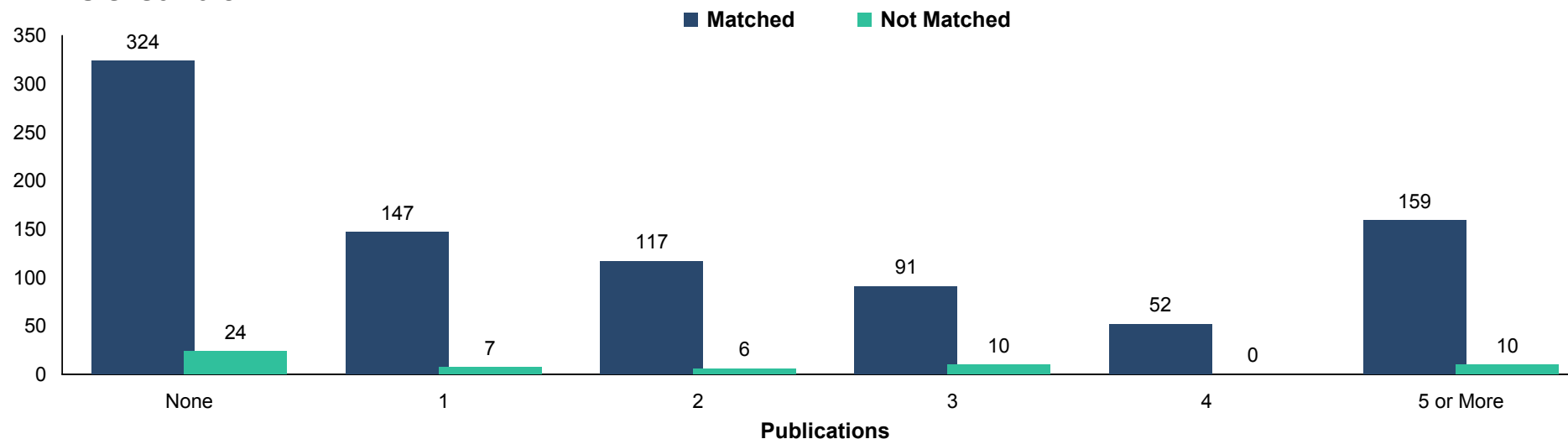


Source: NRMP Data Warehouse and AAMC Data Warehouse

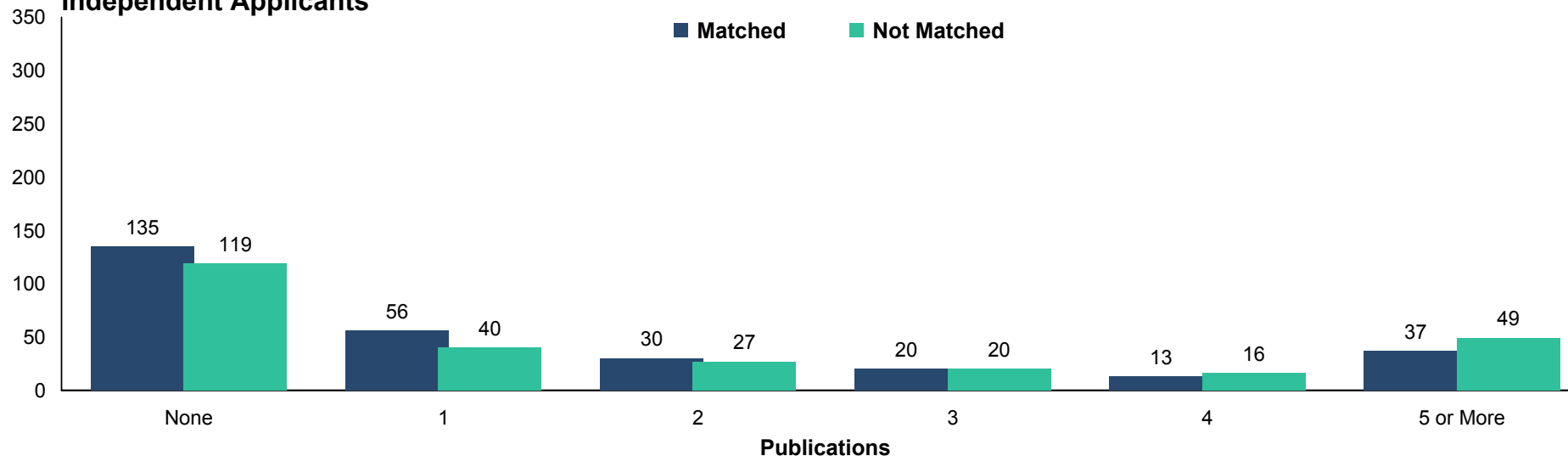
**Chart
OB-6**

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

U.S. Seniors



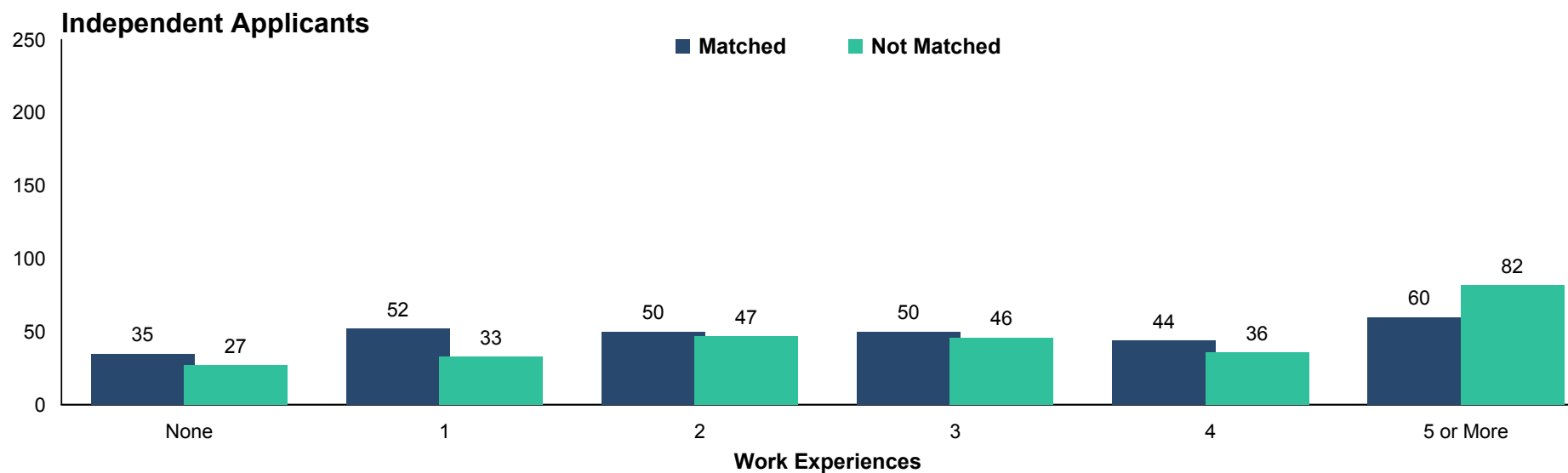
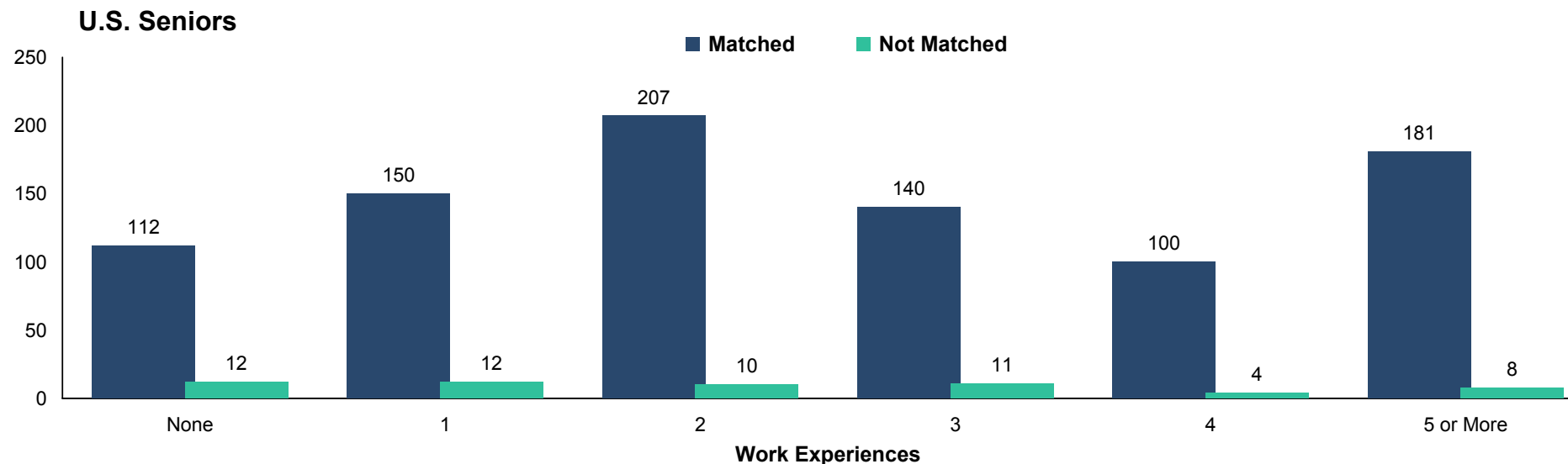
Independent Applicants



Source: NRMP Data Warehouse and AAMC Data Warehouse

**Chart
OB-7**

Number of Work Experiences
Obstetrics and Gynecology

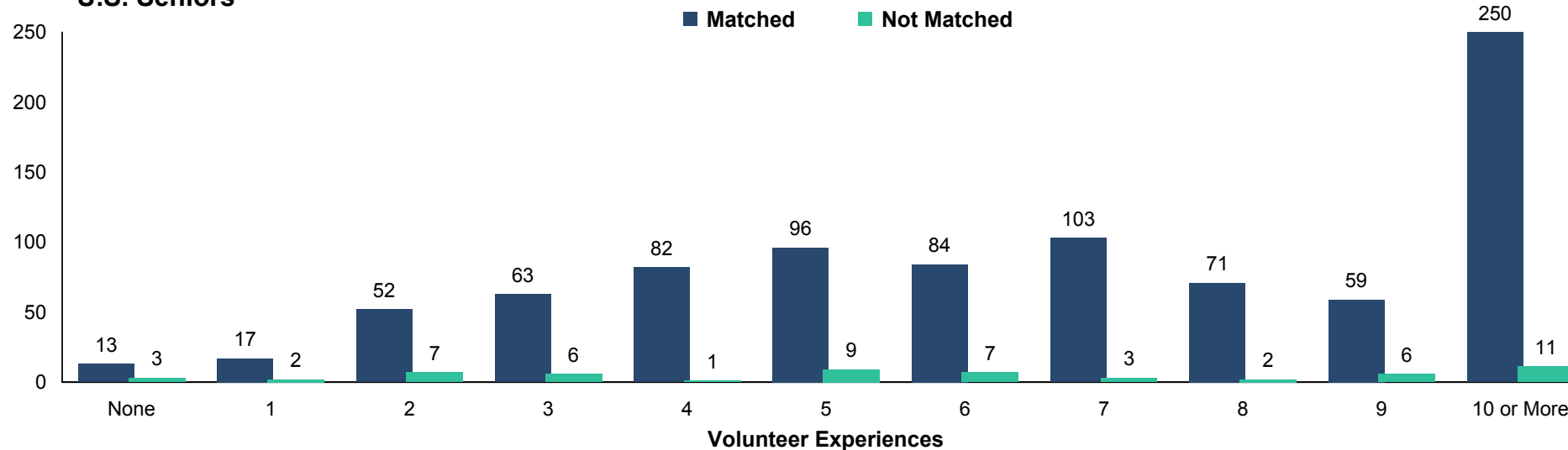


Source: NRMP Data Warehouse and AAMC Data Warehouse

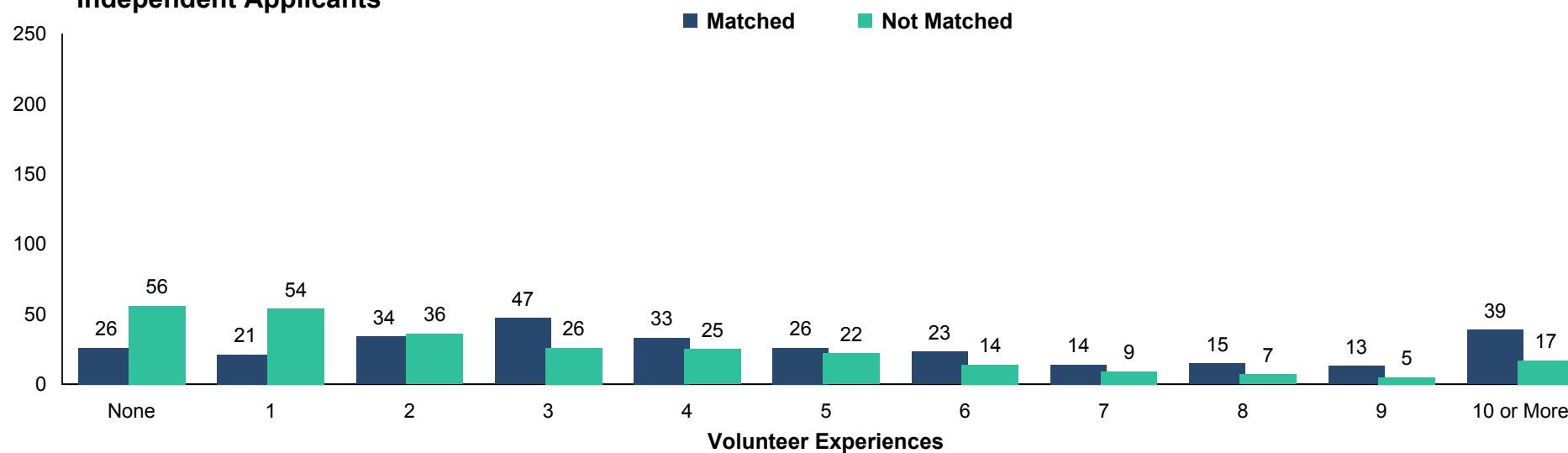
**Chart
OB-8**

Number of Volunteer Experiences *Obstetrics and Gynecology*

U.S. Seniors



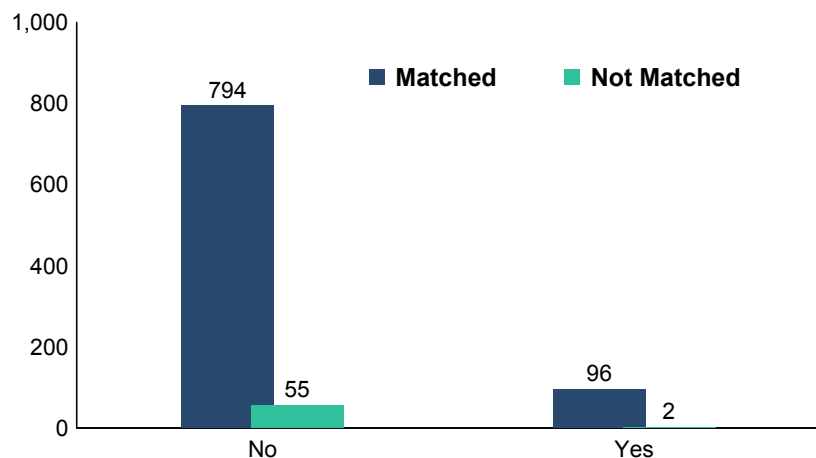
Independent Applicants



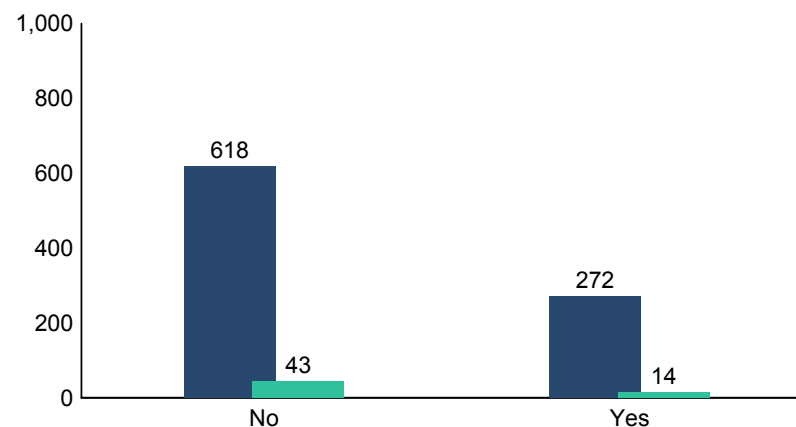
Source: NRMP Data Warehouse and AAMC Data Warehouse

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

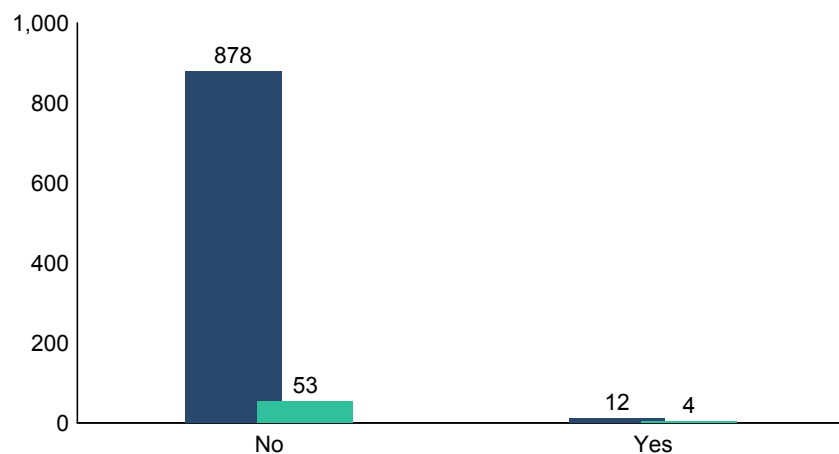
AOA Membership



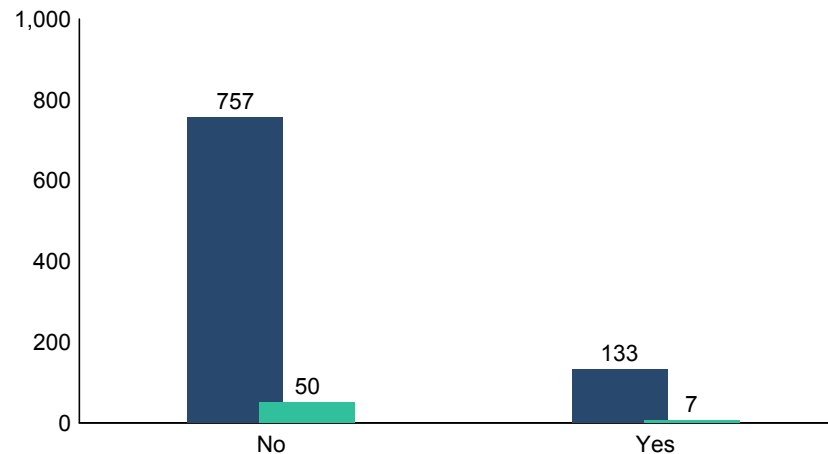
Graduate of One of the 40 U.S. Medical Schools with the Highest NIH Funding



Ph.D. Degree



Other Graduate Degree



Source: 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

ORS Orthopaedic Surgery

Measure	U.S. Seniors		Independent Applicants	
	Matched (n=621)	Unmatched (n=186)	Matched (n=47)	Unmatched (n=120)
1. Mean number of contiguous ranks	11.5	5.7	5.1	2.9
2. Mean number of distinct specialties ranked	1.1	1.3	1.3	1.6
3. Mean USMLE Step 1 score	240	225	230	220
4. Mean USMLE Step 2 score	245	231	232	223
5. Mean number of research experiences	2.9	2.8	3.5	2.5
6. Mean number of abstracts, presentations, and publications	4.5	3.0	5.0	6.0
7. Mean number of work experiences	2.7	2.7	3.1	2.6
8. Mean number of volunteer experiences	6.3	5.5	5.2	4.4
9. Percentage who are AOA members	27.1	5.9	n/a	n/a
10. Percentage who graduated from one of the 40 U.S. medical schools with the highest NIH funding	37.4	25.8	n/a	n/a
11. Percentage who have Ph.D. degree	2.4	1.6	n/a	n/a
12. Percentage who have another graduate degree	10.3	18.3	n/a	n/a

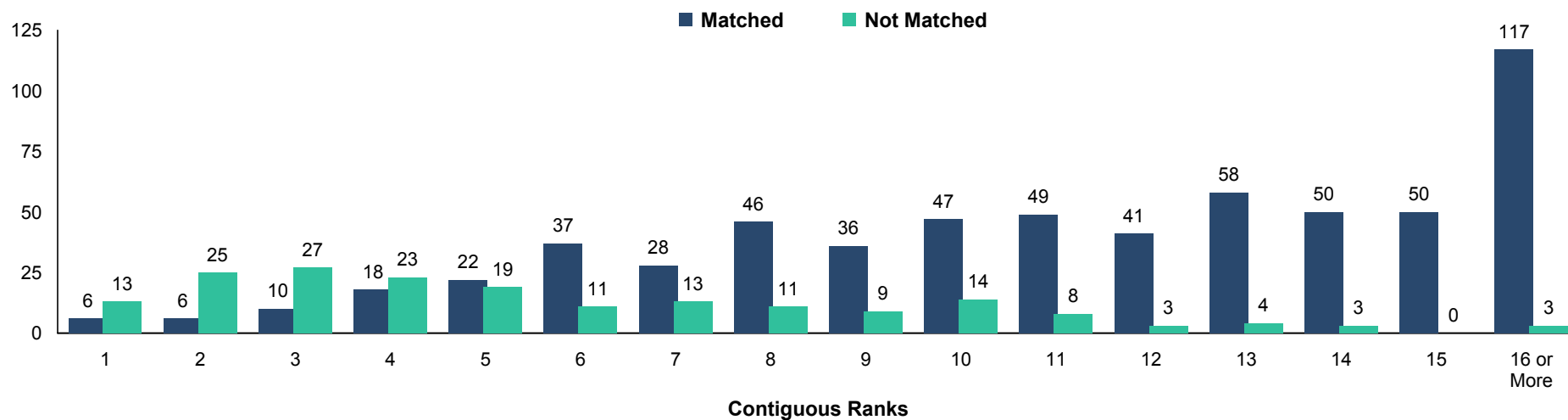
n/a: The measure either does not apply to, applies to only a small percentage of, or no reliable data were available for independent applicants.

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.

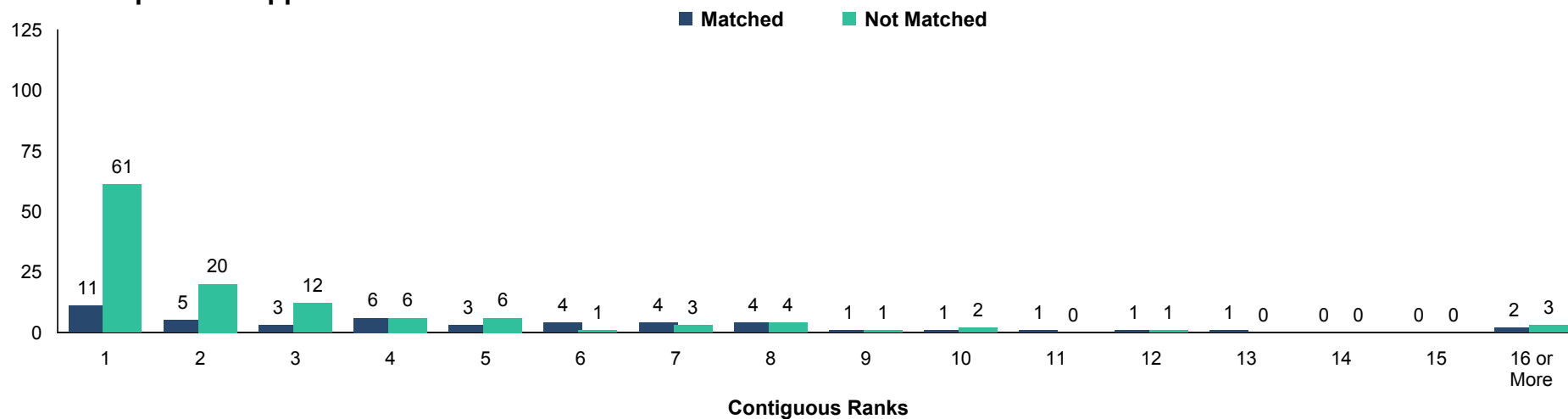
Note: USMLE Step 1 scores are not available for most osteopathic medical school graduates included in the independent applicant group. Approximately 20 percent of U.S. allopathic medical school seniors do not take the USMLE Step 2 prior to the Match.

Number of Contiguous Ranks Within Preferred Specialty *Orthopaedic Surgery*

U.S. Seniors

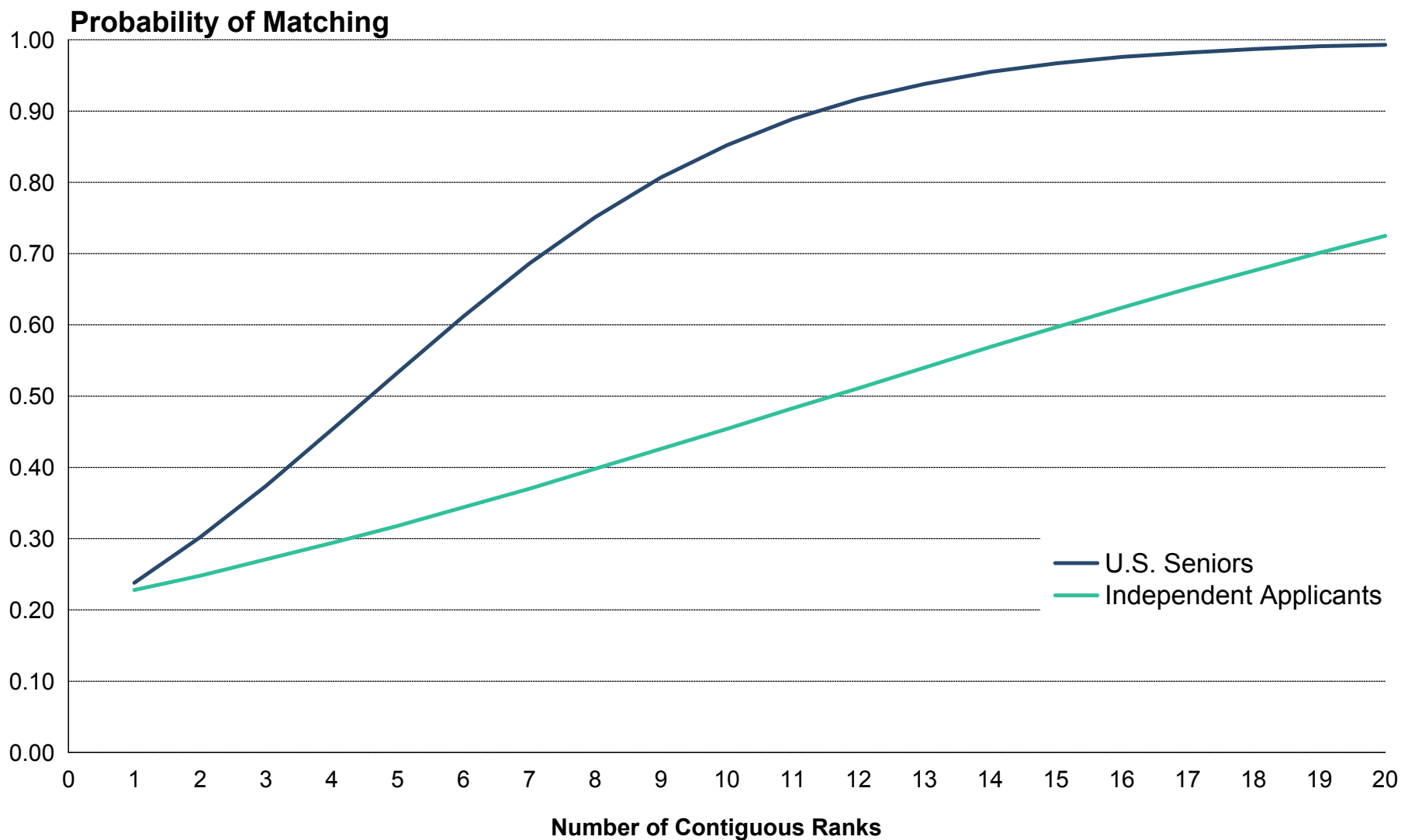


Independent Applicants



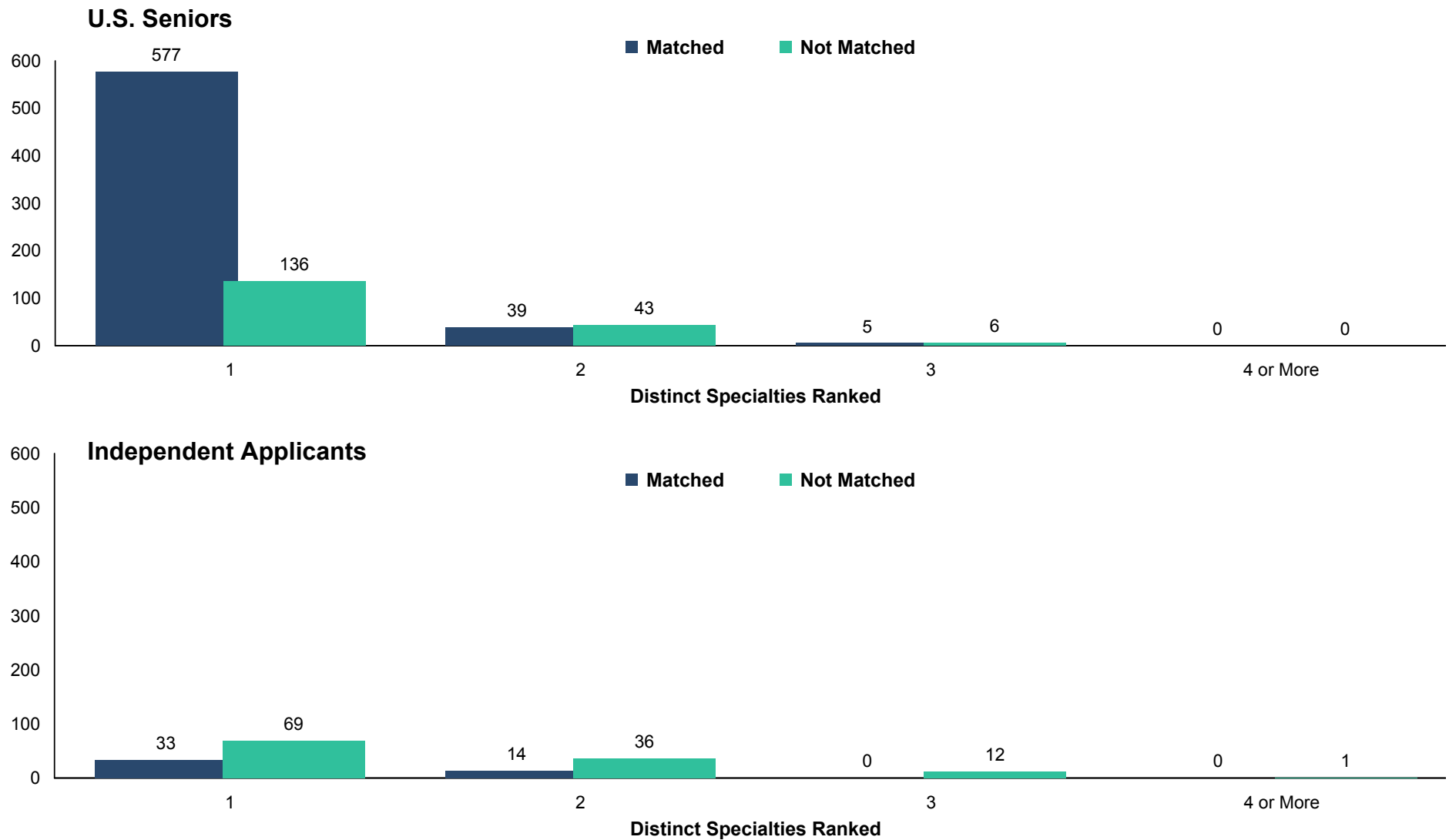
Source: NRMP Data Warehouse

Probability of Matching to Preferred Specialty by Number of Contiguous Ranks *Orthopaedic Surgery*



Source: NRMP Data Warehouse. Note: Probabilities calculated based on 2009-2011 applicants

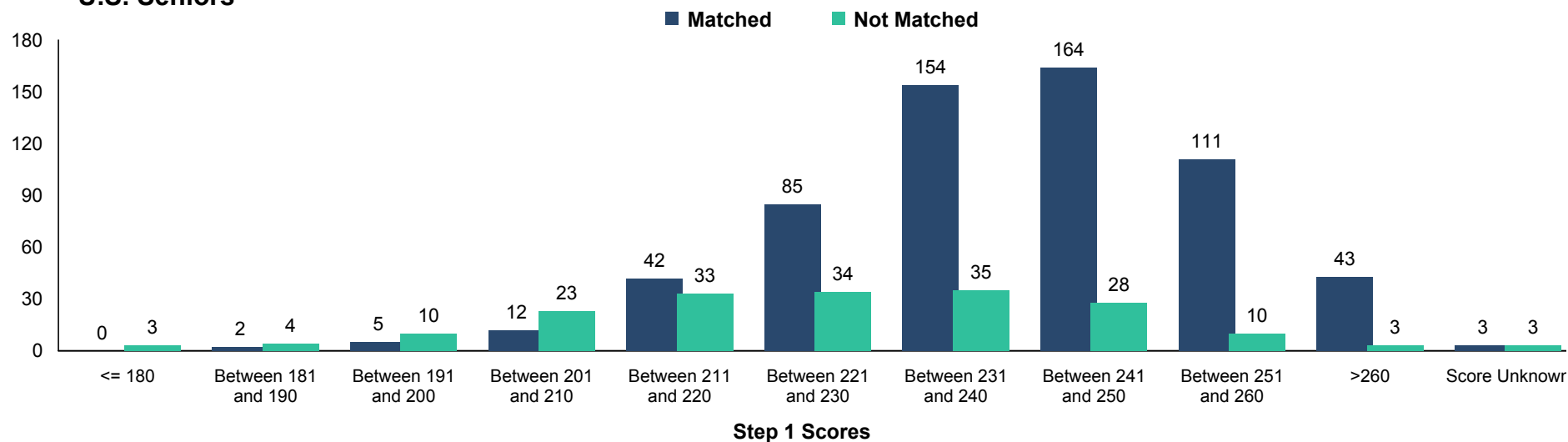
Number of Distinct Specialties Ranked *Orthopaedic Surgery*



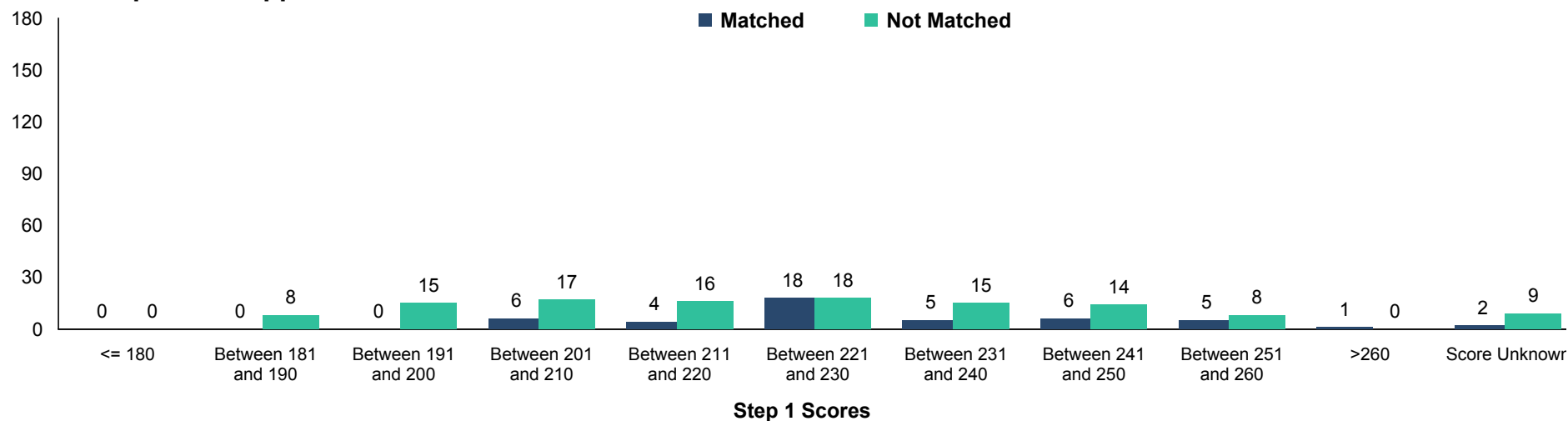
Source: NRMP Data Warehouse

USMLE Step 1 Scores Orthopaedic Surgery

U.S. Seniors

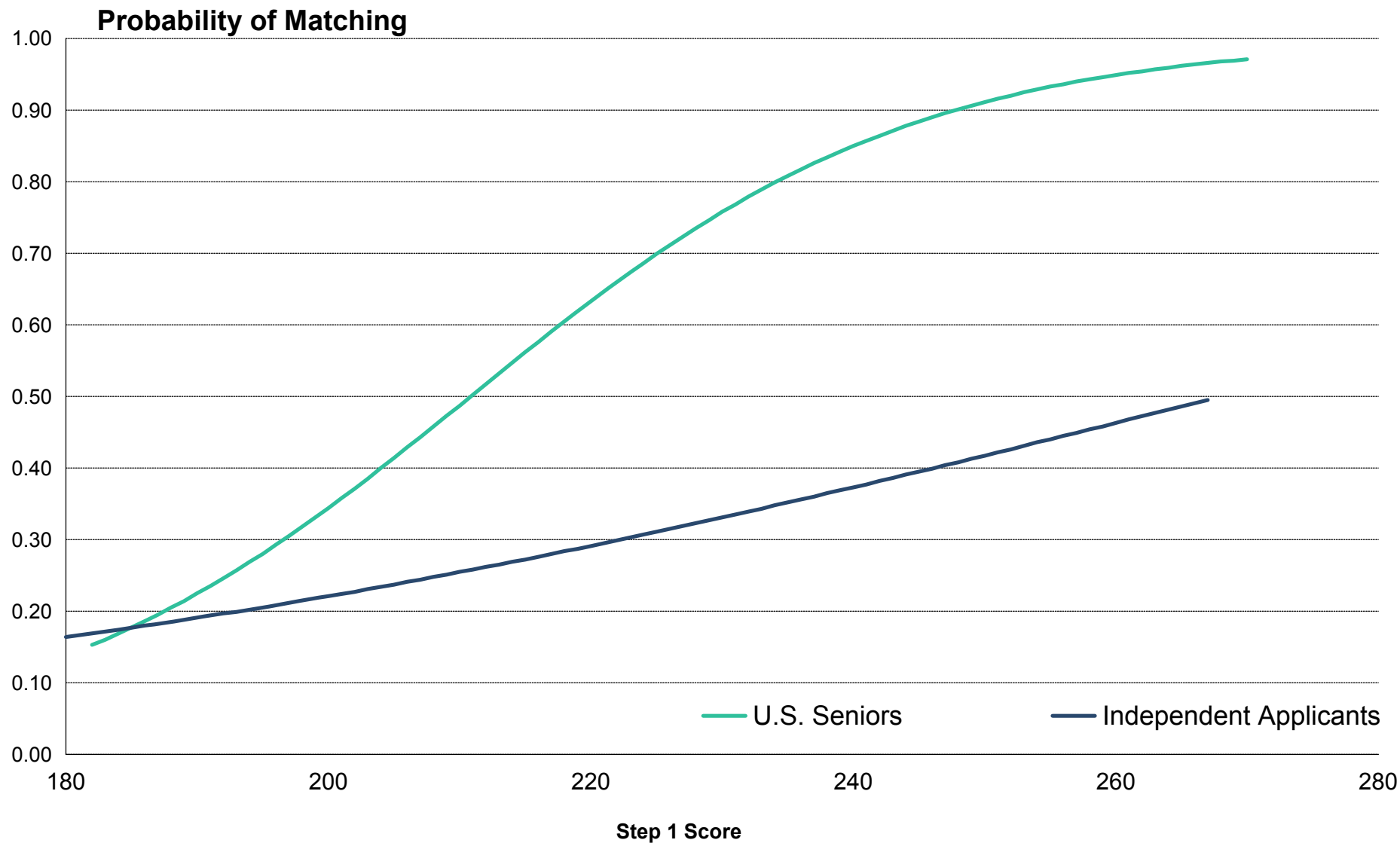


Independent Applicants



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

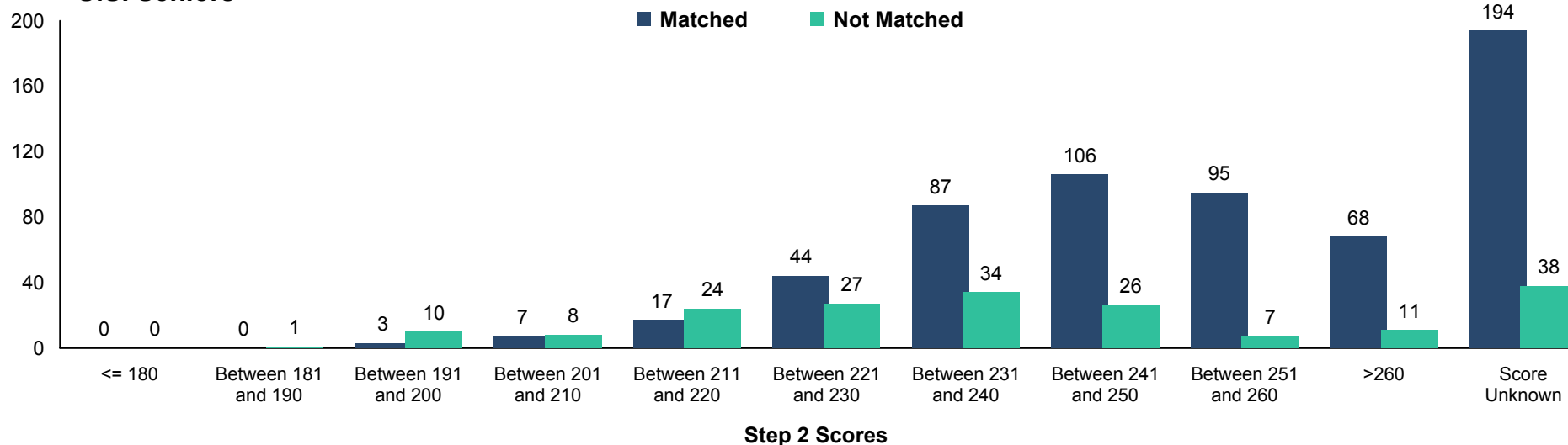
Probability of Matching to Preferred Specialty by USMLE Step 1 Score *Orthopaedic Surgery*



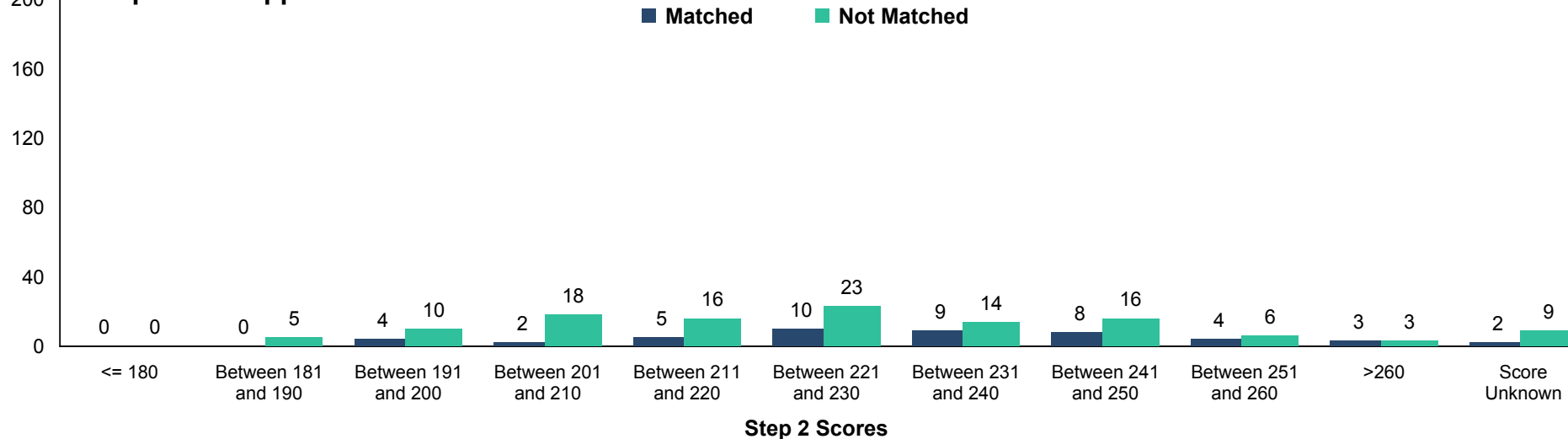
Source: NRMP Data Warehouse and AAMC Data Warehouse. USMLE scores by permission of the NBME and ECFMG. Note: Probabilities calculated based on 2009-2011 applicants.

USMLE Step 2 Scores *Orthopaedic Surgery*

U.S. Seniors



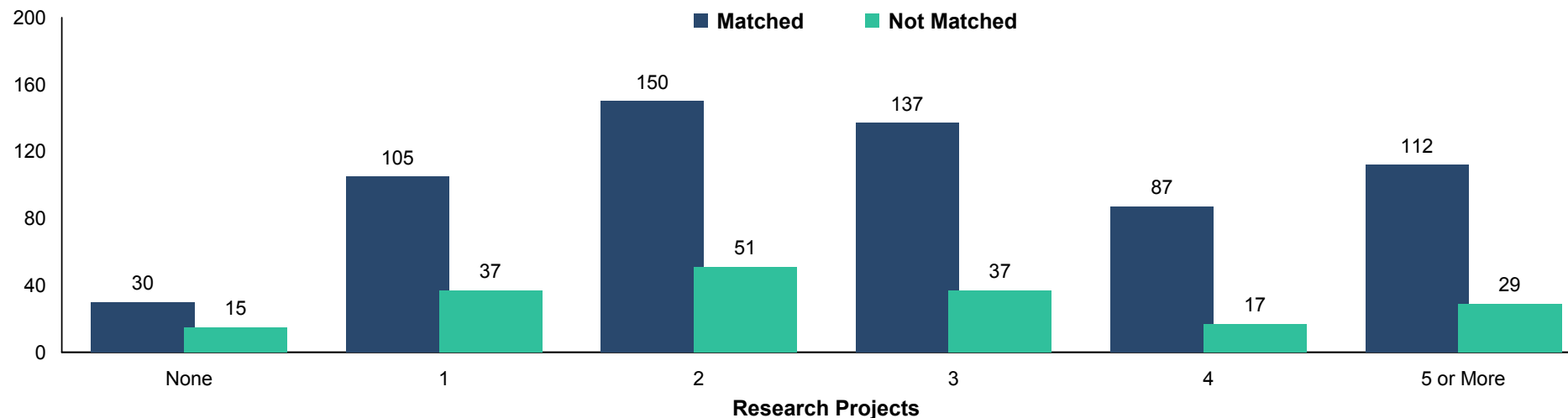
Independent Applicants



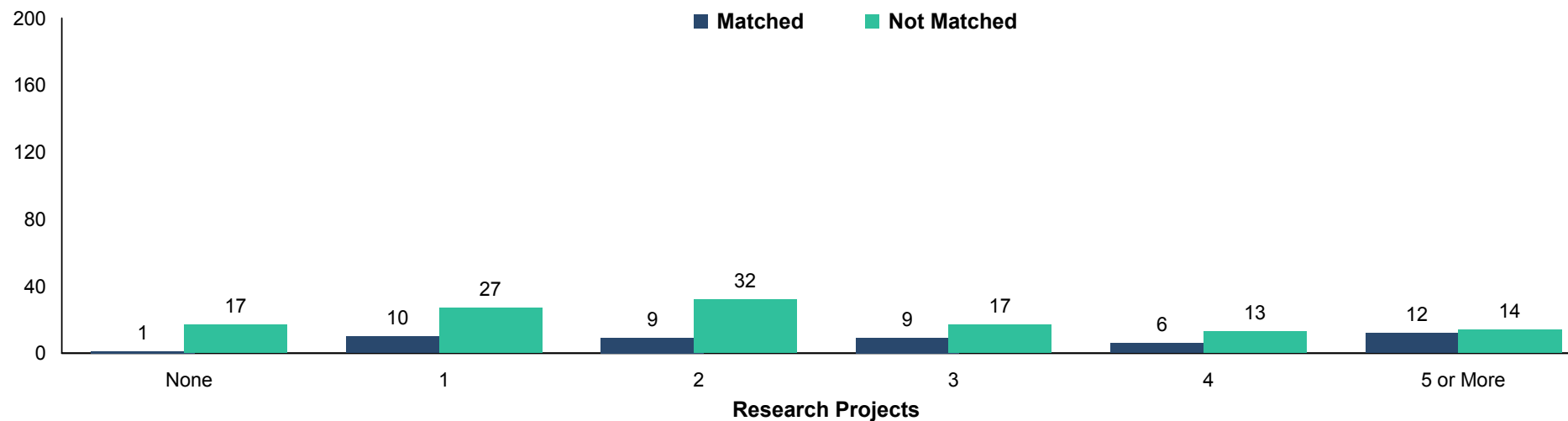
Source: NRMP Data Warehouse and AAMC Data Warehouse. USMLE scores by permission of the NBME and ECFMG.

Number of Research Projects *Orthopaedic Surgery*

U.S. Seniors



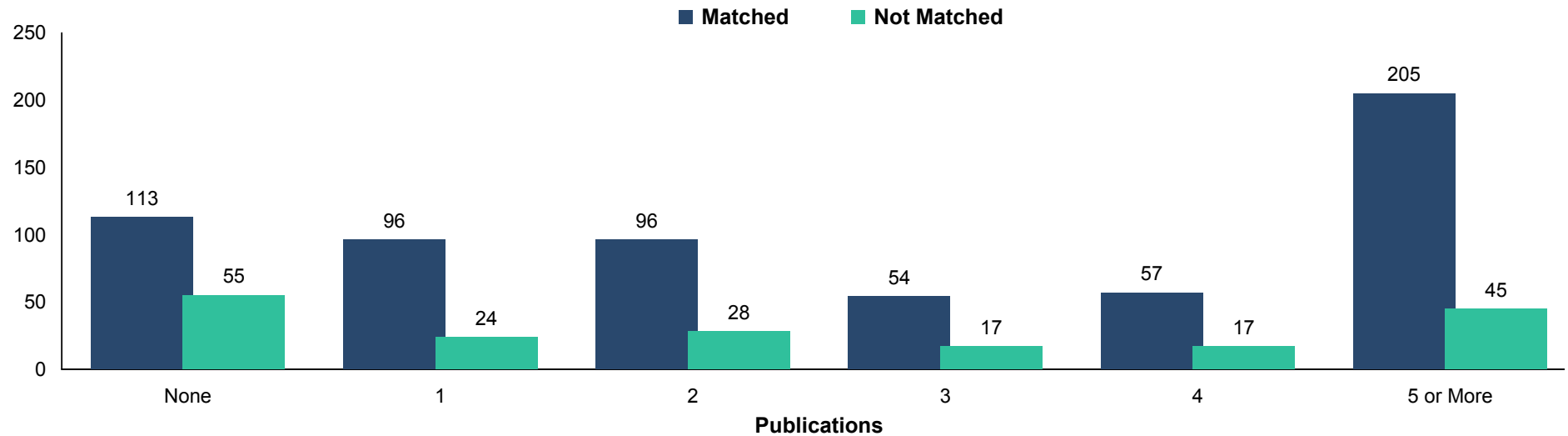
Independent Applicants



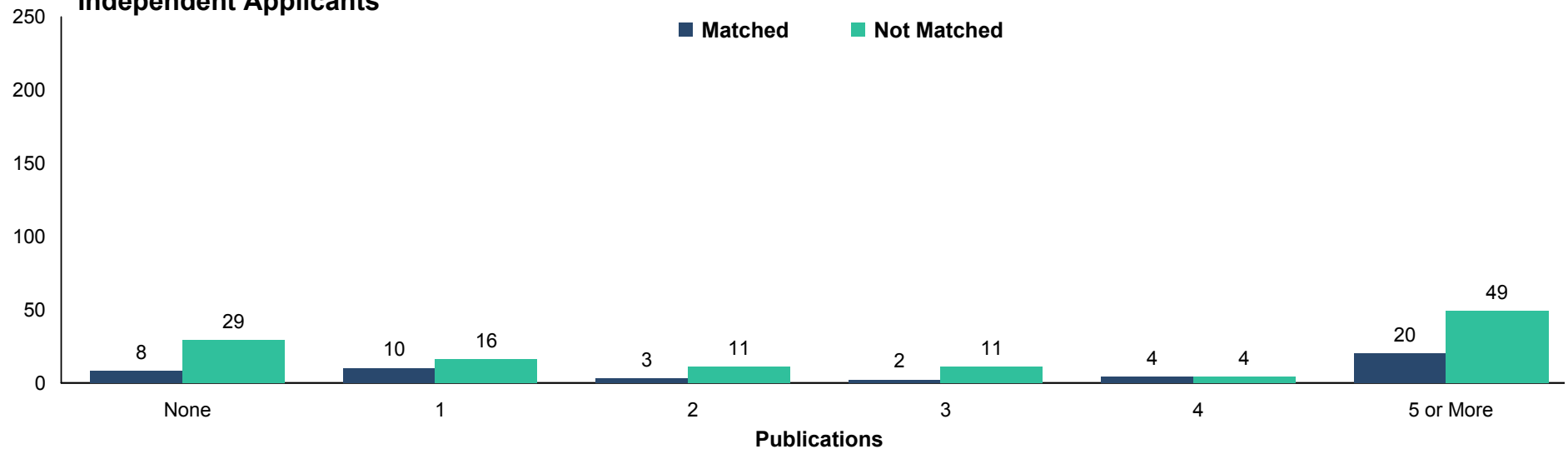
Source: NRMP Data Warehouse and AAMC Data Warehouse

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

U.S. Seniors

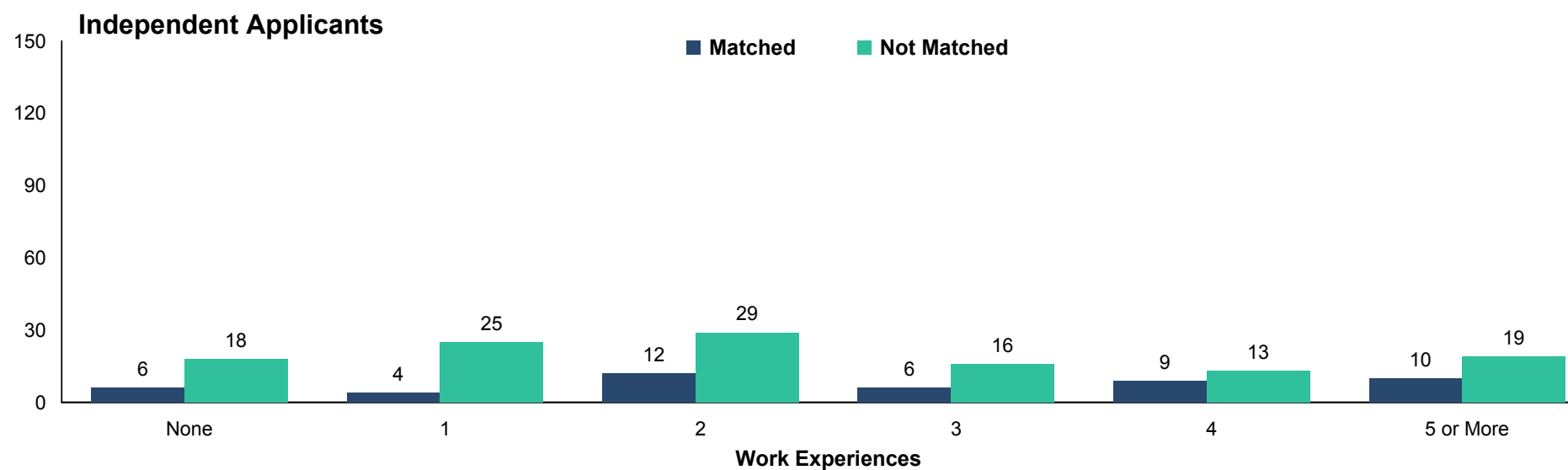
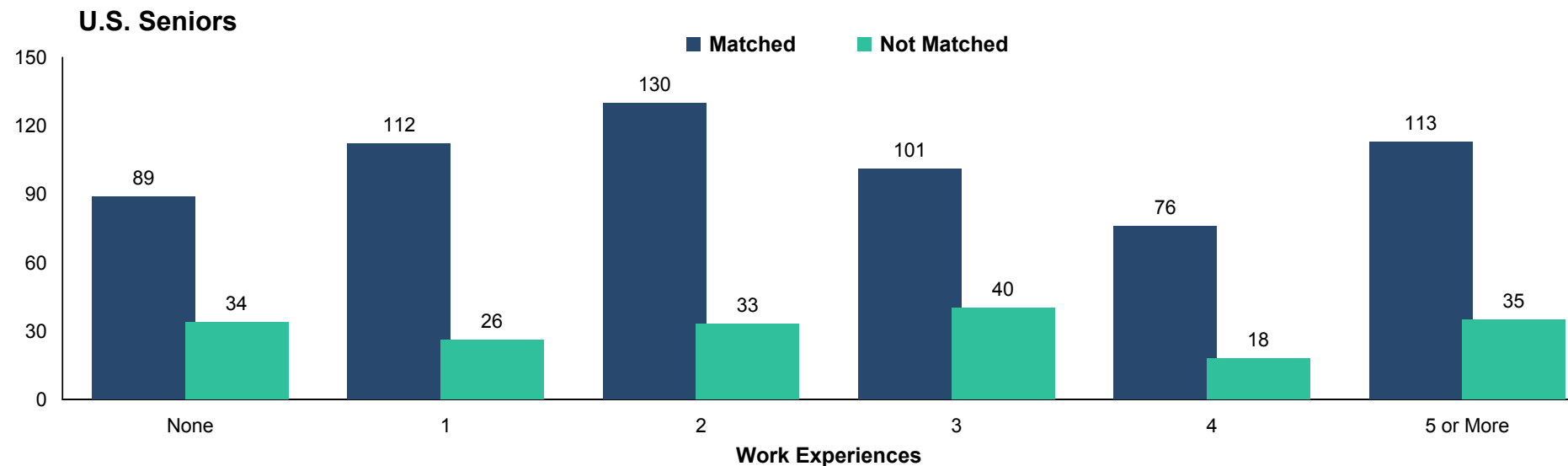


Independent Applicants



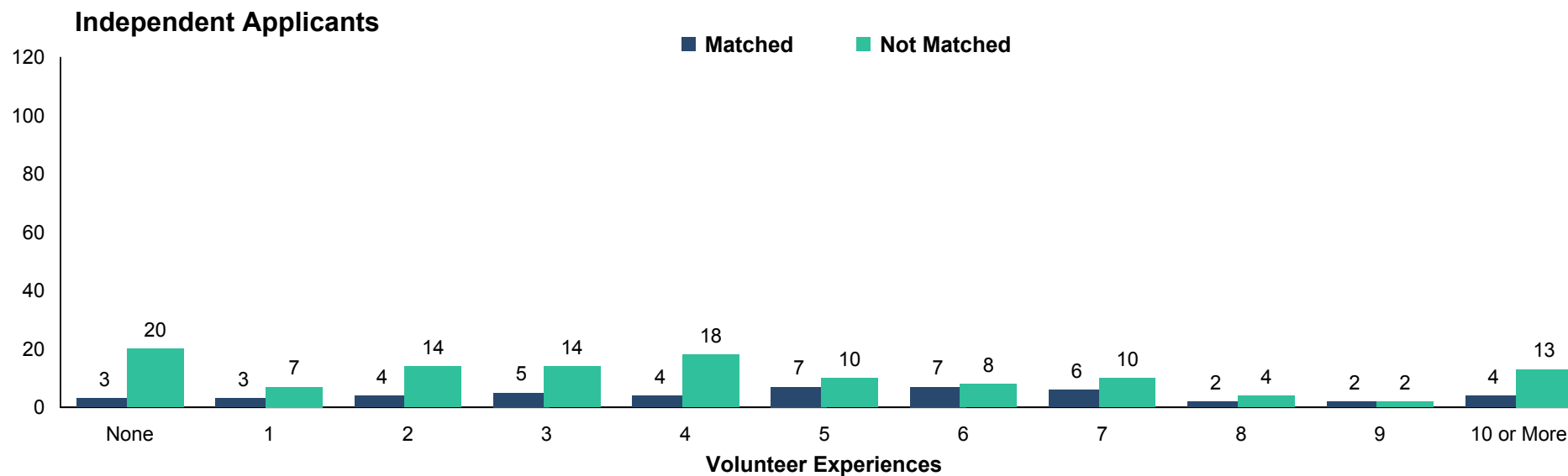
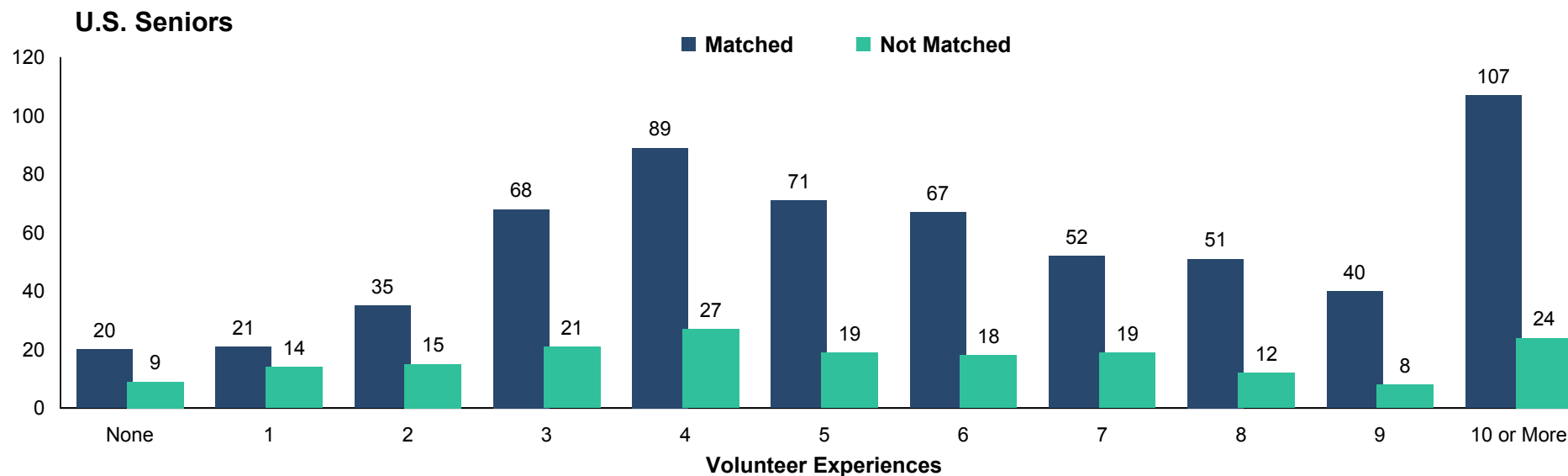
Source: NRMP Data Warehouse and AAMC Data Warehouse

Number of Work Experiences *Orthopaedic Surgery*



Source: NRMP Data Warehouse and AAMC Data Warehouse

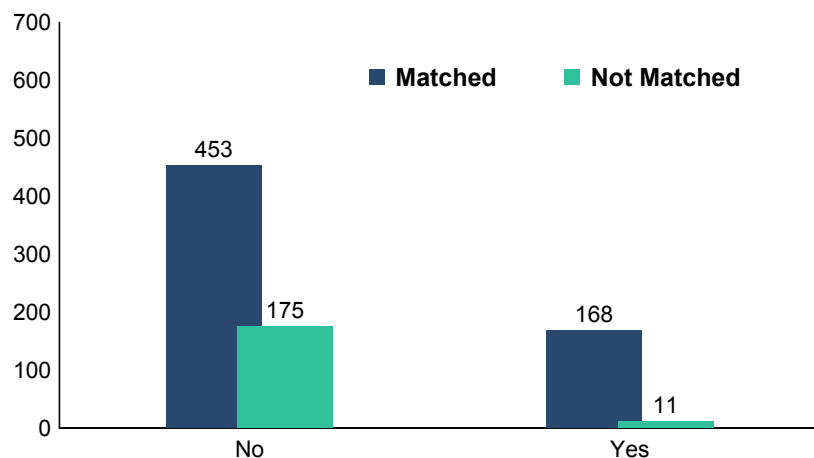
Number of Volunteer Experiences *Orthopaedic Surgery*



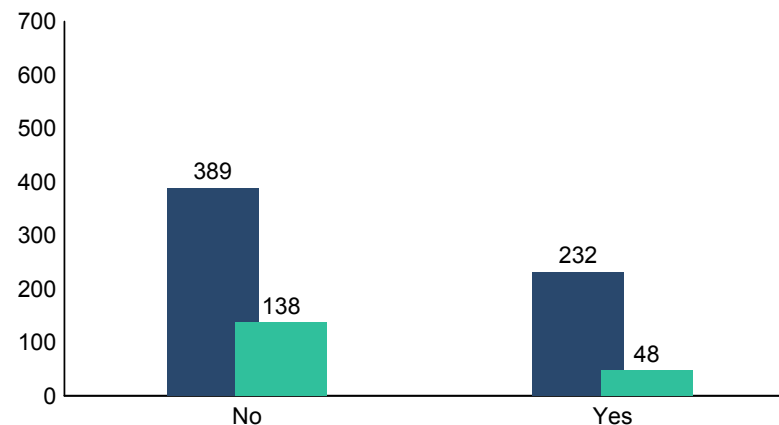
Source: NRMP Data Warehouse and AAMC Data Warehouse

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

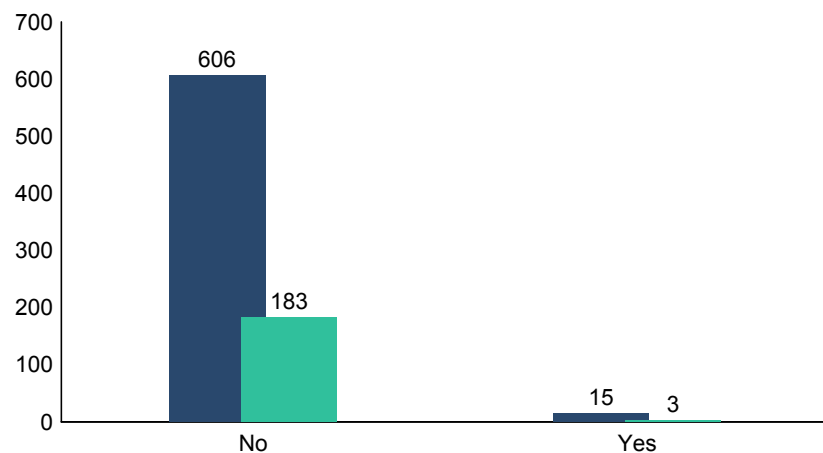
AOA Membership



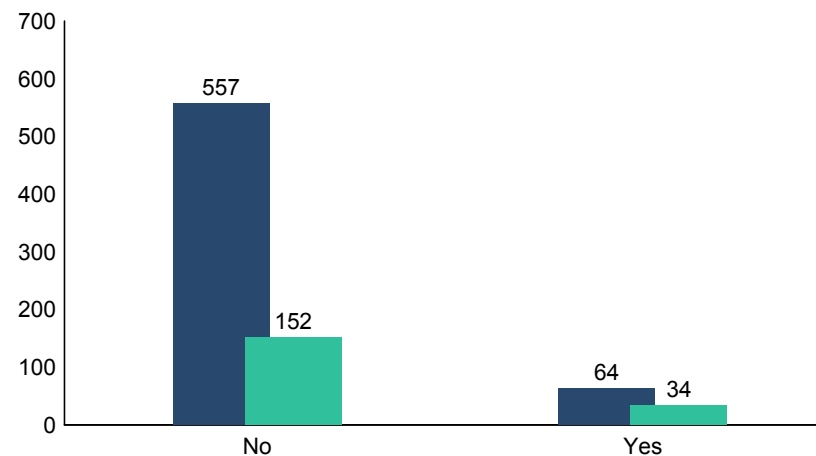
Graduate of One of the 40 U.S. Medical Schools with the Highest NIH Funding



Ph.D. Degree



Other Graduate Degree



Source: 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

OTO Otolaryngology

Measure	U.S. Seniors		Independent Applicants	
	Matched (n=267)	Unmatched (n=45)	Matched (n=11)	Unmatched (n=41)
1. Mean number of contiguous ranks	11.7	6.1	6.5	3.2
2. Mean number of distinct specialties ranked	1.1	1.4	1.2	1.6
3. Mean USMLE Step 1 score	243	232	231	220
4. Mean USMLE Step 2 score	250	235	240	225
5. Mean number of research experiences	3.5	3.3	3.7	2.6
6. Mean number of abstracts, presentations, and publications	5.1	3.0	4.9	6.6
7. Mean number of work experiences	2.7	2.5	2.5	3.7
8. Mean number of volunteer experiences	7.0	6.3	5.5	4.1
9. Percentage who are AOA members	41.6	11.1	n/a	n/a
10. Percentage who graduated from one of the 40 U.S. medical schools with the highest NIH funding	38.6	31.1	n/a	n/a
11. Percentage who have Ph.D. degree	3.7	2.2	n/a	n/a
12. Percentage who have another graduate degree	9.7	11.1	n/a	n/a

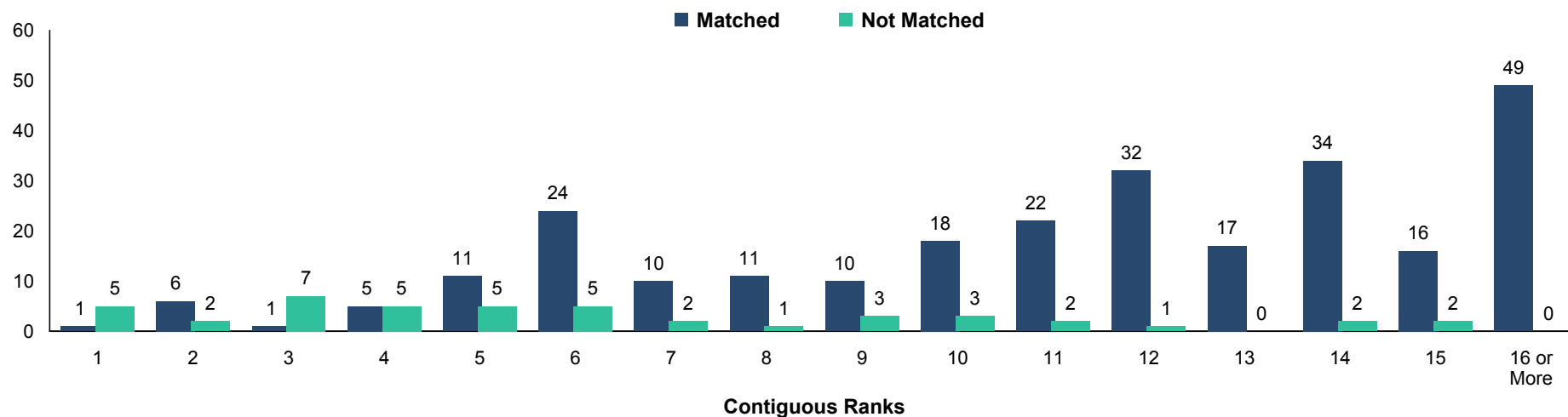
n/a: The measure either does not apply to, applies to only a small percentage of, or no reliable data were available for independent applicants.

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.

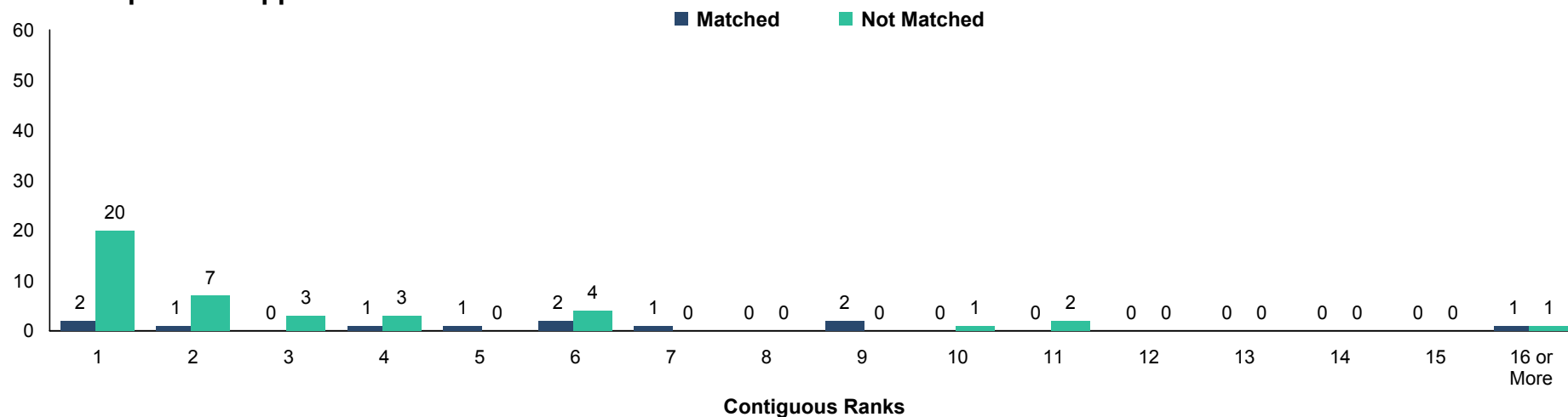
Note: USMLE Step 1 scores are not available for most osteopathic medical school graduates included in the independent applicant group. Approximately 20 percent of U.S. allopathic medical school seniors do not take the USMLE Step 2 prior to the Match.

Number of Contiguous Ranks Within Preferred Specialty *Otolaryngology*

U.S. Seniors

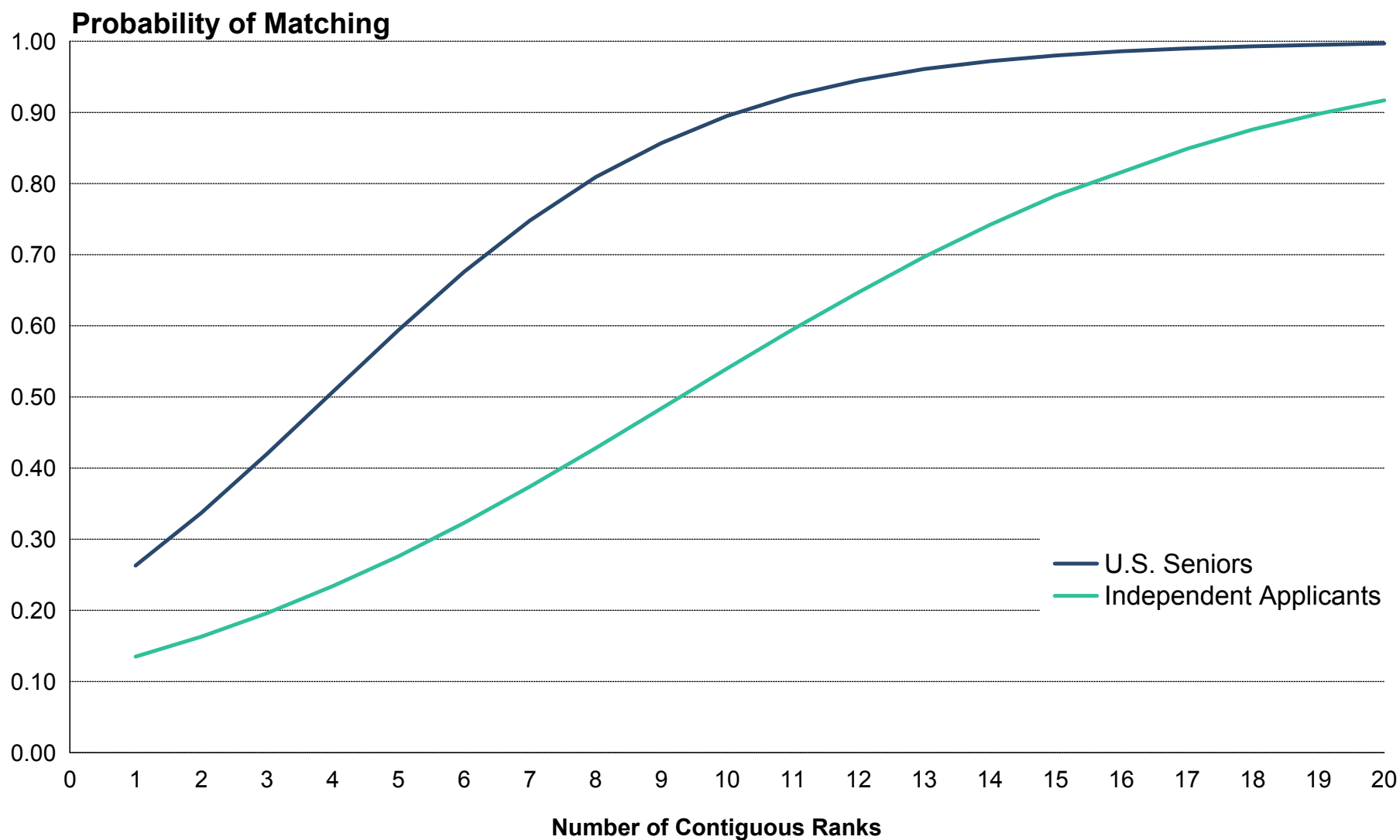


Independent Applicants



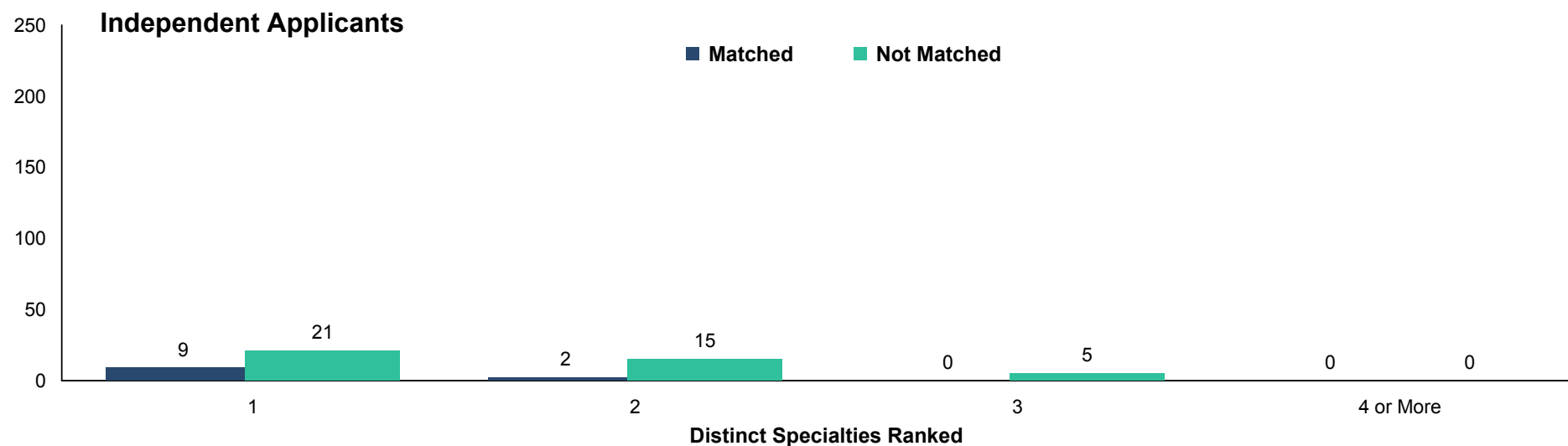
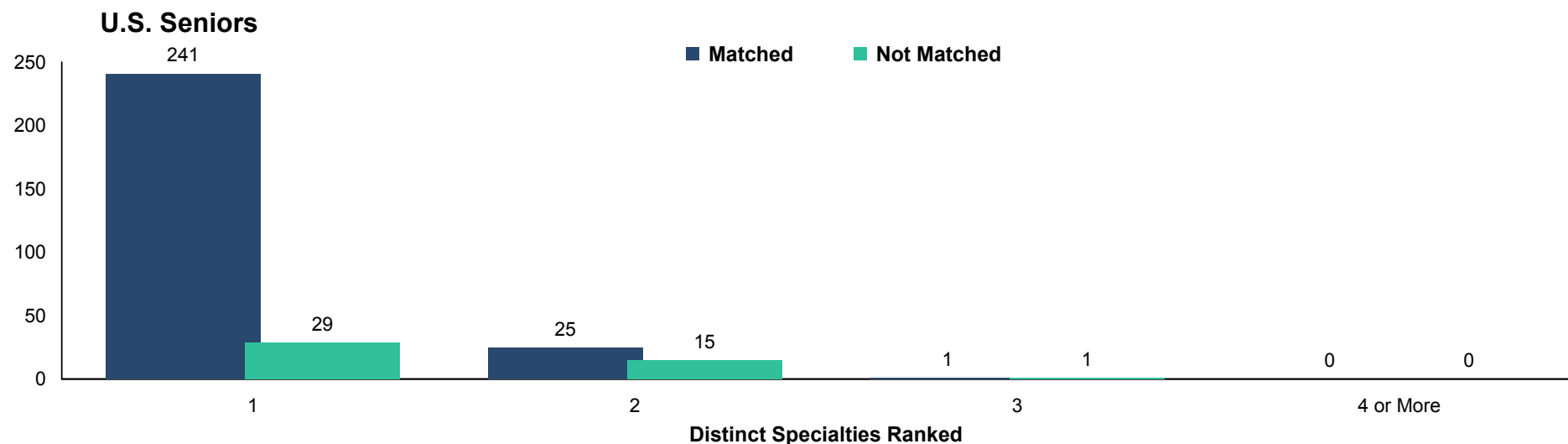
Source: NRMP Data Warehouse

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



Source: NRMP Data Warehouse. Note: Probabilities calculated based on 2009-2011 applicants

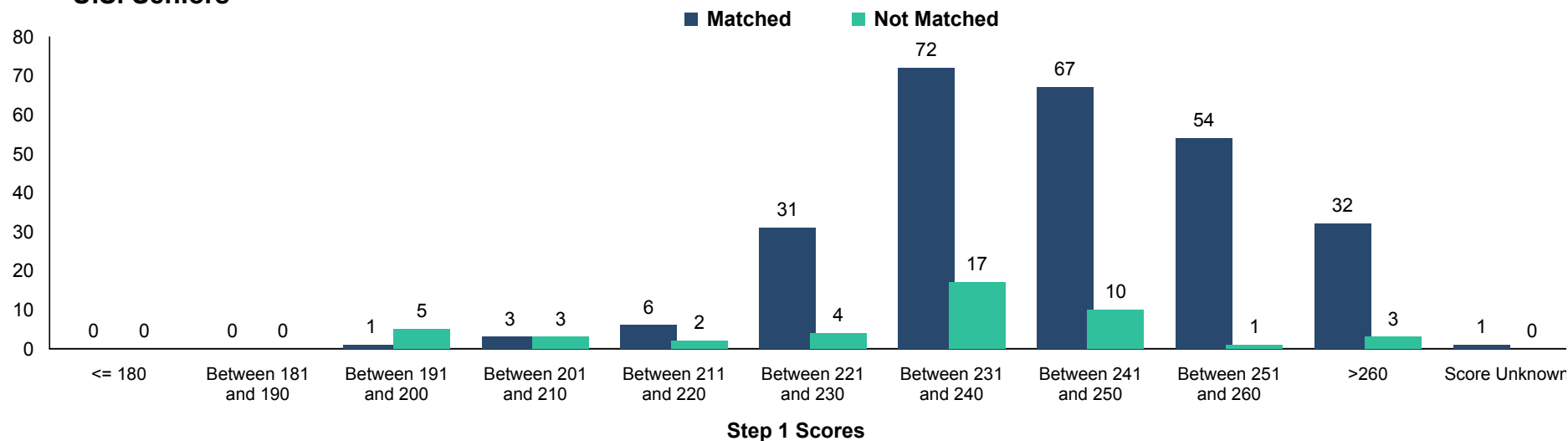
Number of Distinct Specialties Ranked *Otolaryngology*



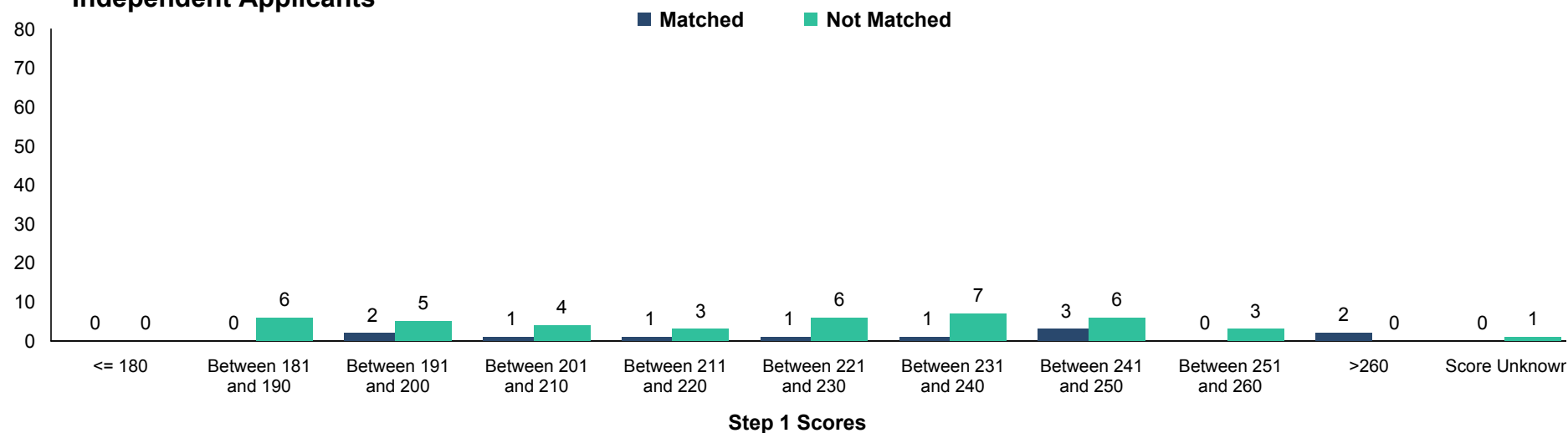
Source: NRMP Data Warehouse

USMLE Step 1 Scores Otolaryngology

U.S. Seniors

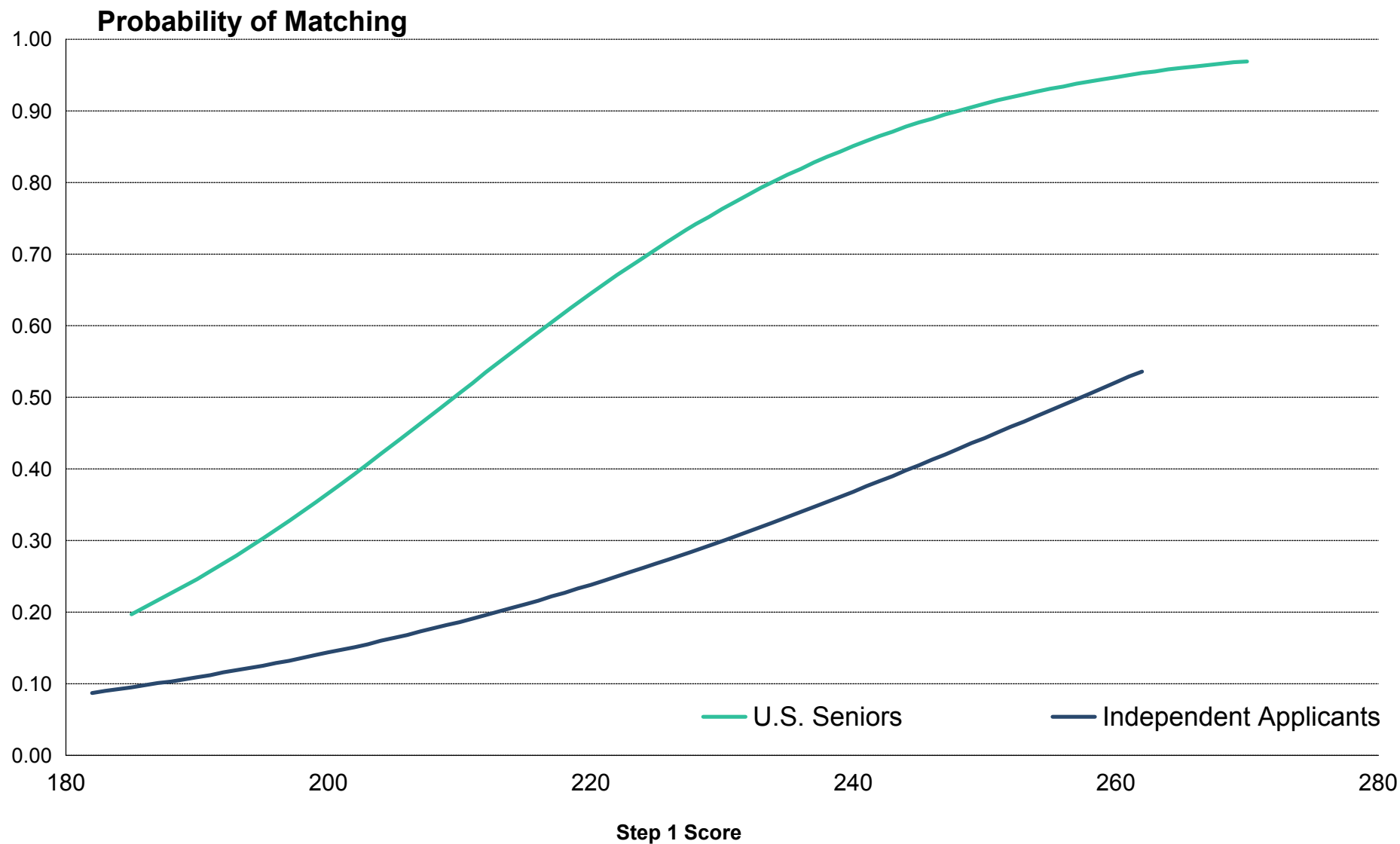


Independent Applicants



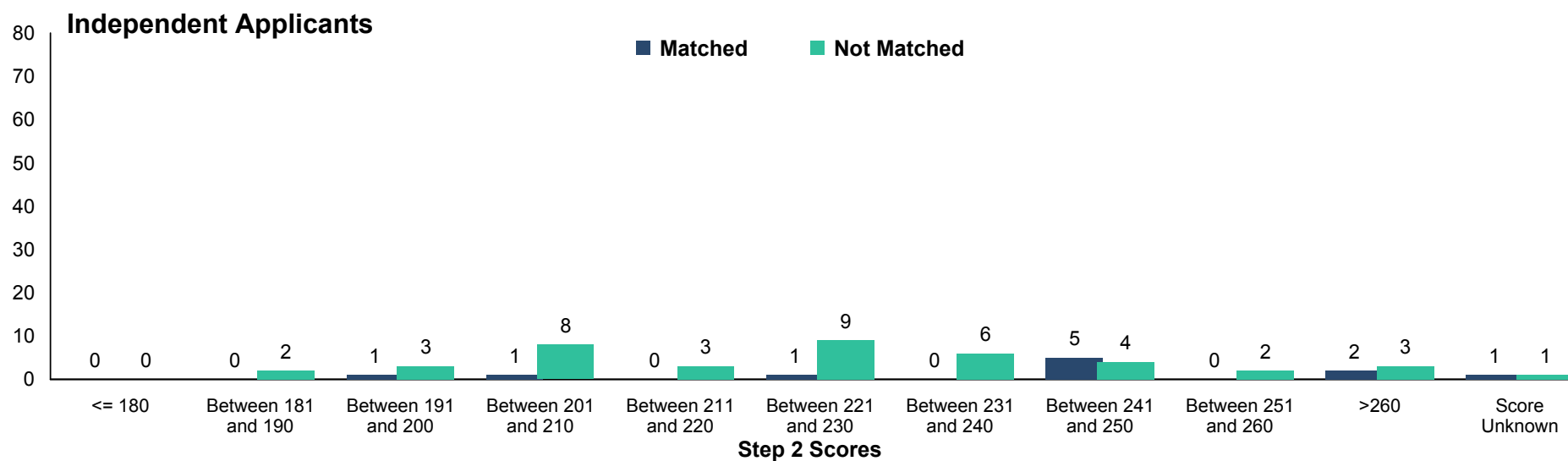
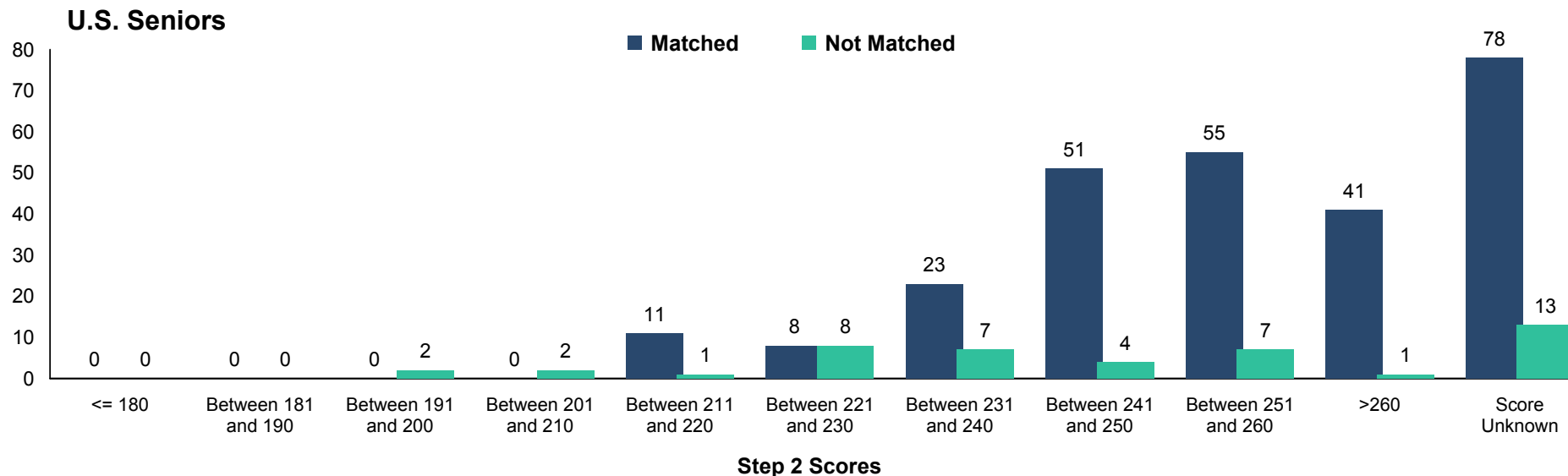
Source: NRMP Data Warehouse and AAMC Data Warehouse. USMLE scores by permission of the NBME and ECFMG.

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 2009-2011 applicants.

USMLE Step 2 Scores Otolaryngology

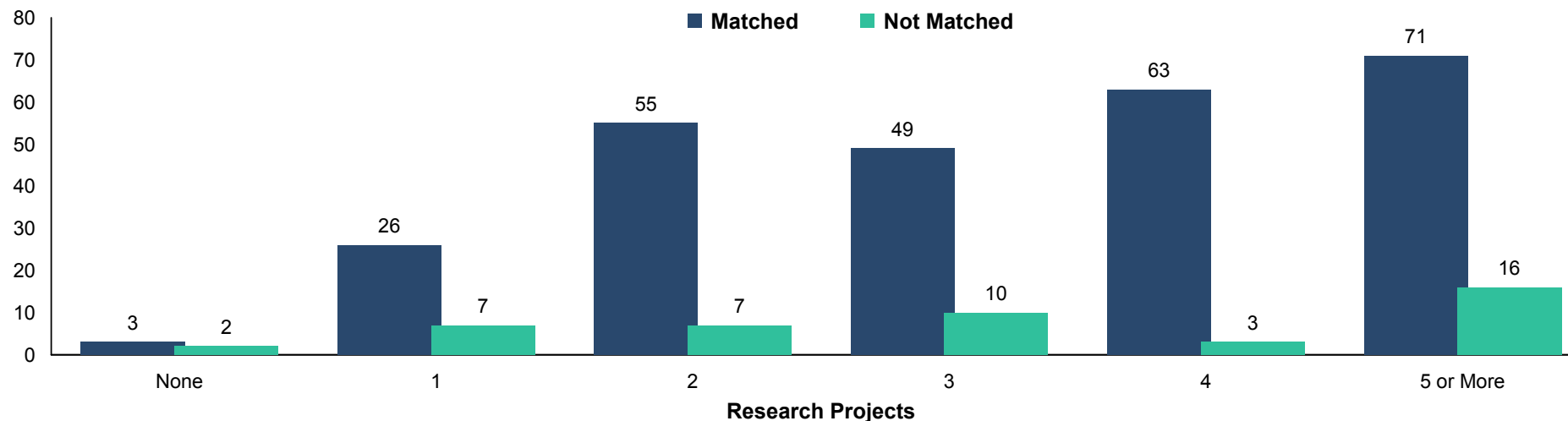


Source: NRMP Data Warehouse and AAMC Data Warehouse. USMLE scores by permission of the NBME and ECFMG.

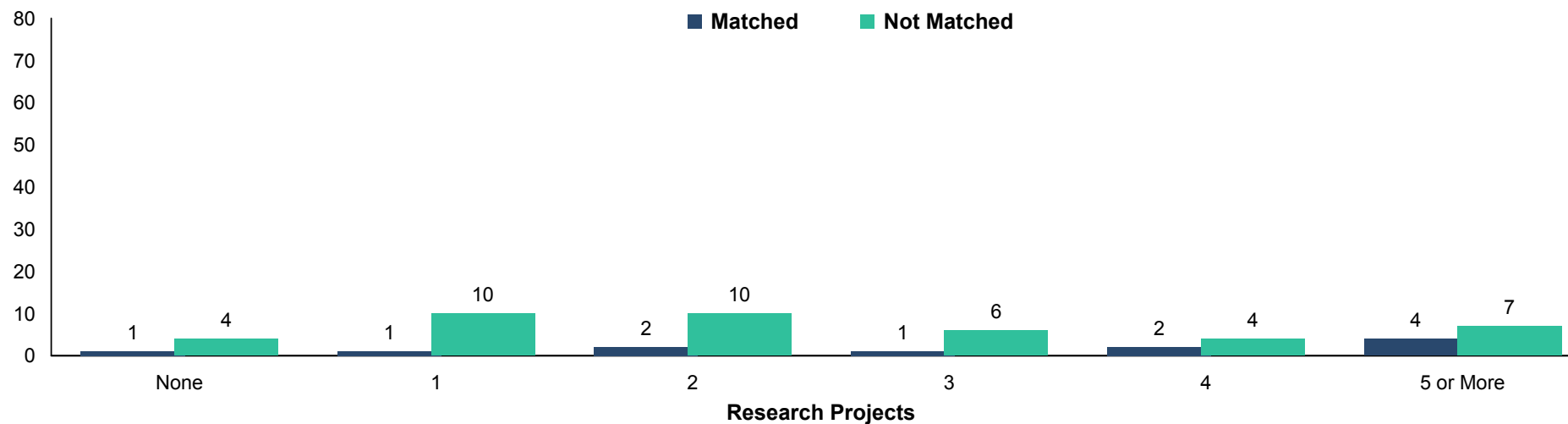
Chart OTO-5

Number of Research Projects Otolaryngology

U.S. Seniors



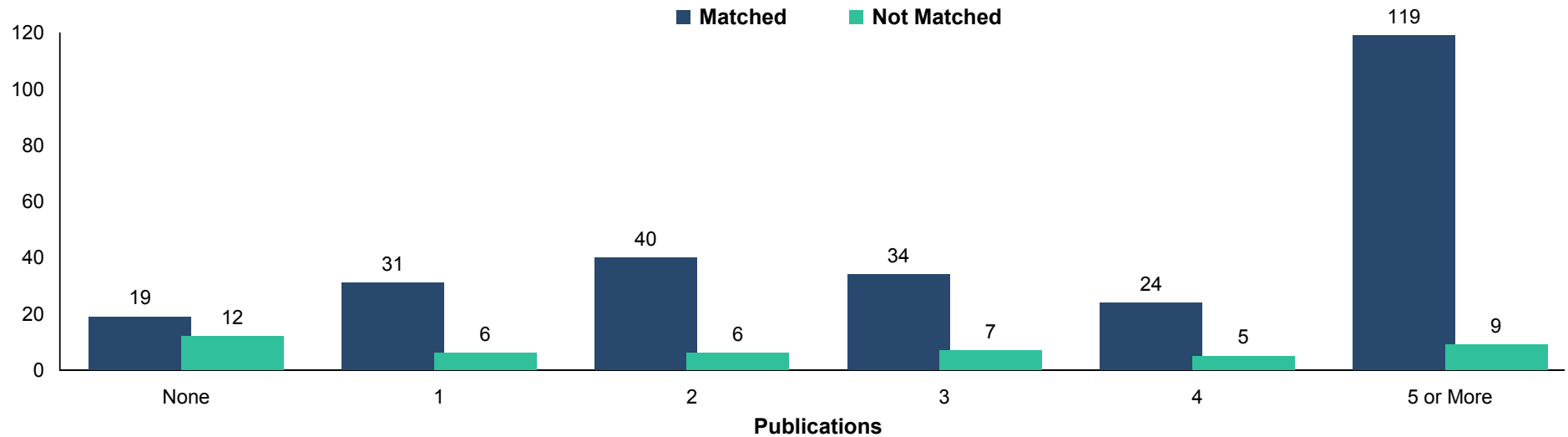
Independent Applicants



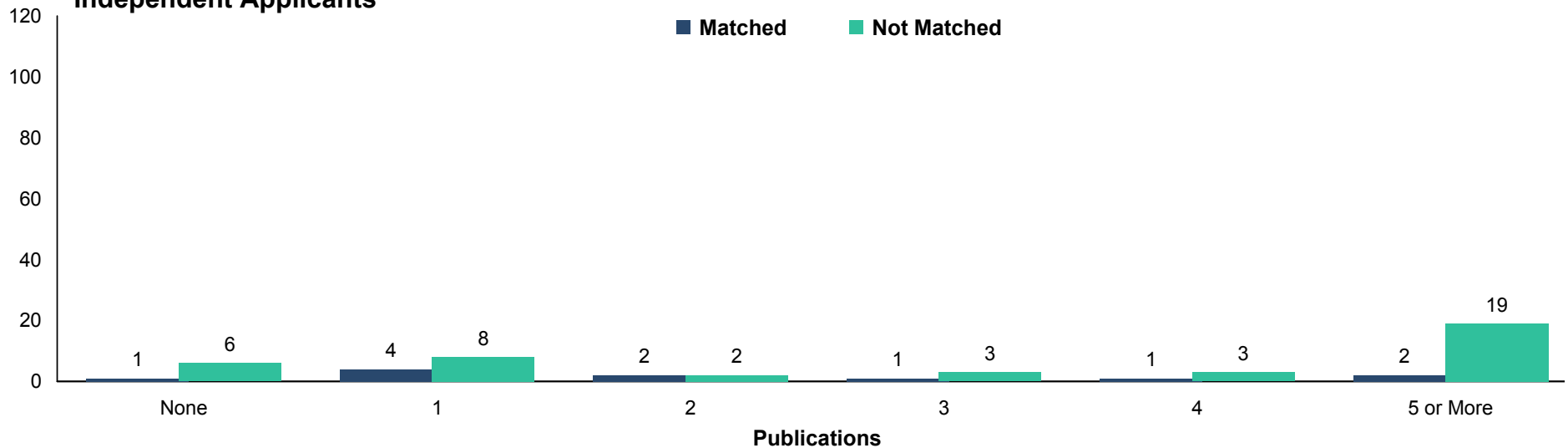
Source: NRMP Data Warehouse and AAMC Data Warehouse

Number of Abstracts, Presentations, and Publications *Otolaryngology*

U.S. Seniors

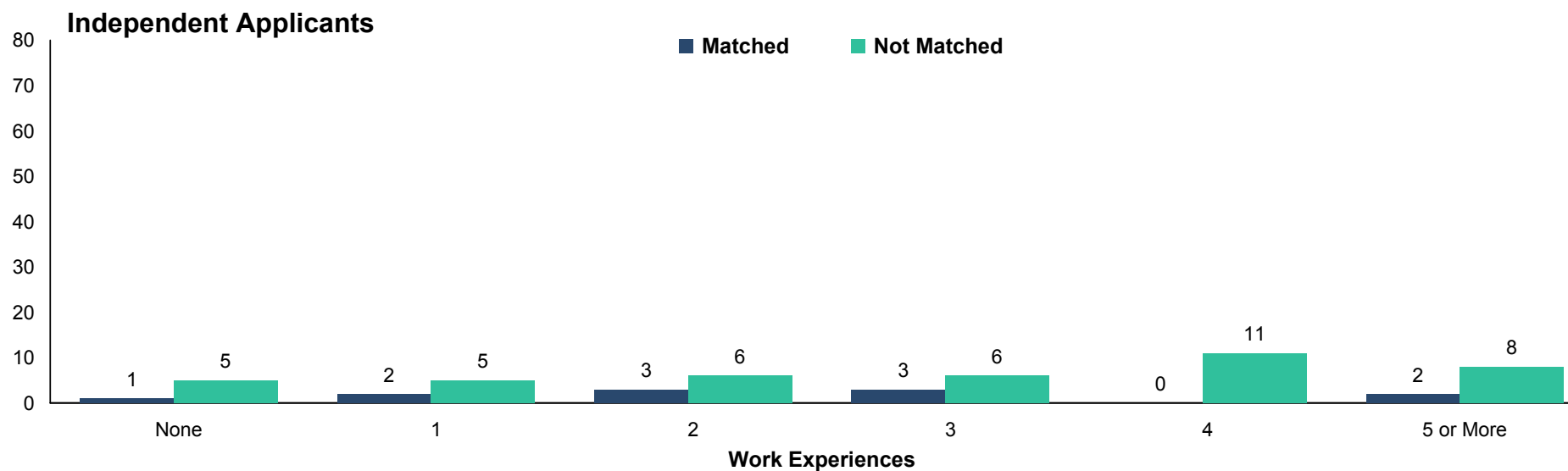
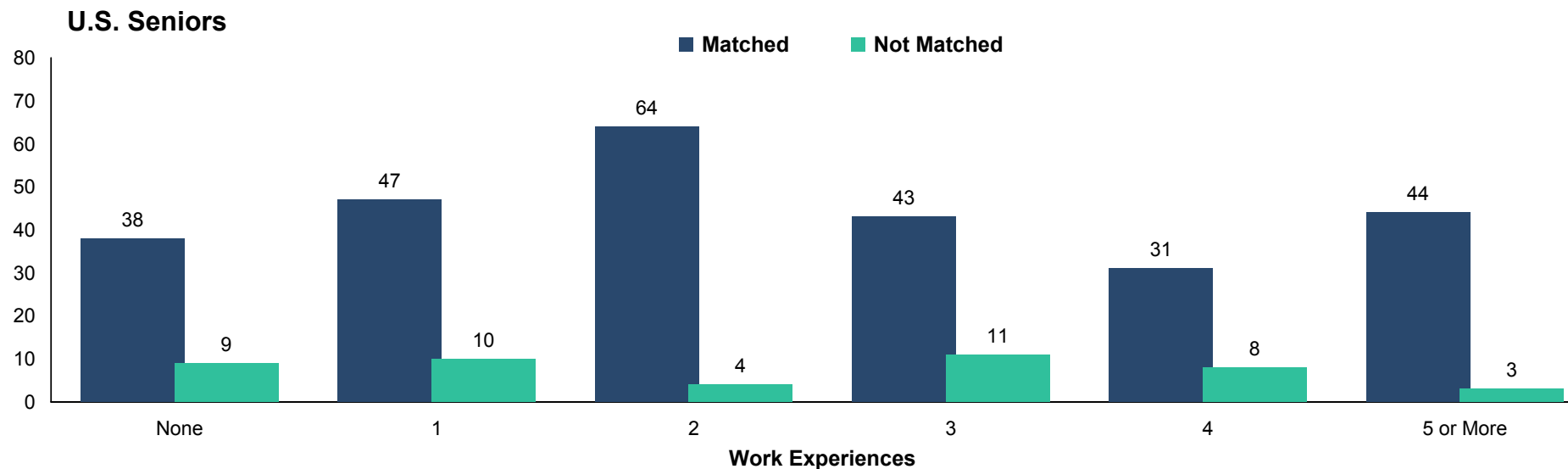


Independent Applicants



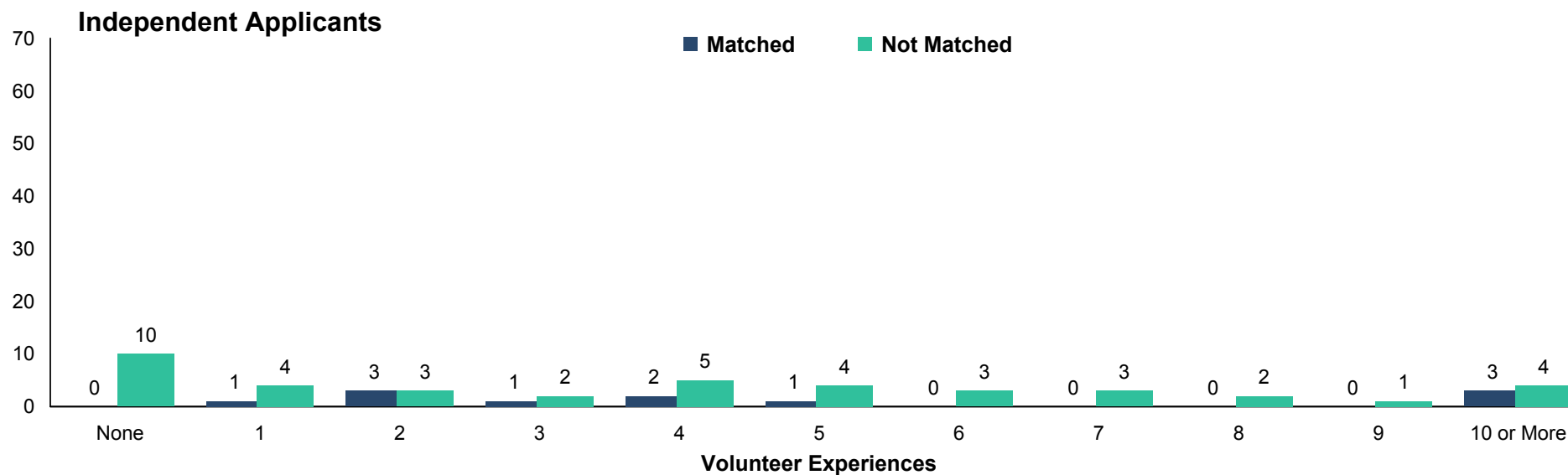
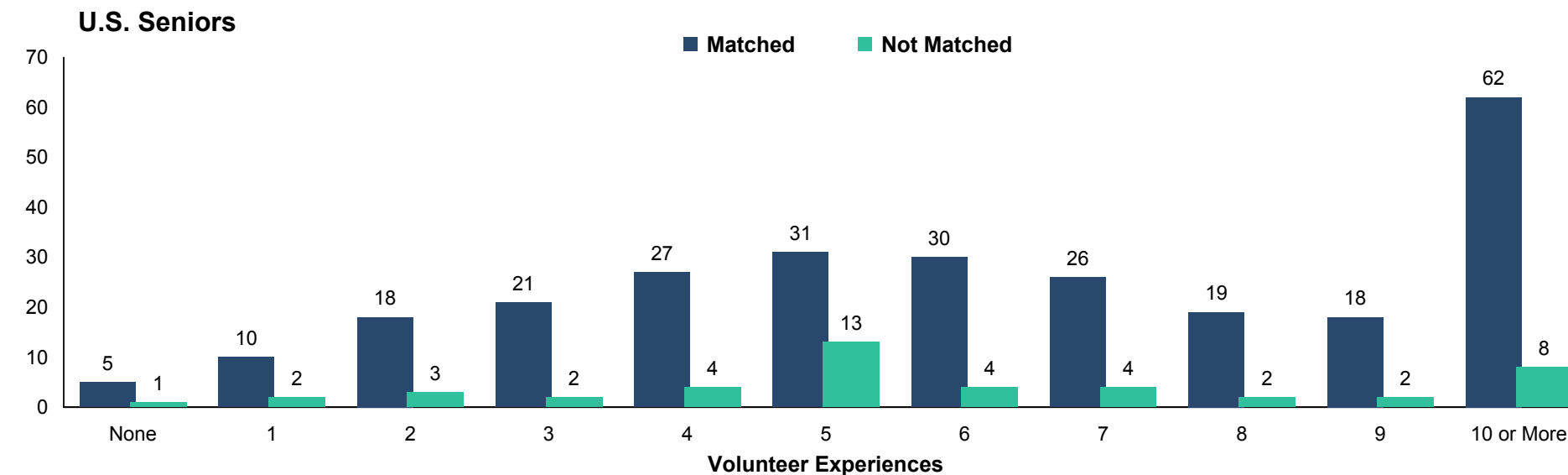
Source: NRMP Data Warehouse and AAMC Data Warehouse

Number of Work Experiences *Otolaryngology*



Source: NRMP Data Warehouse and AAMC Data Warehouse

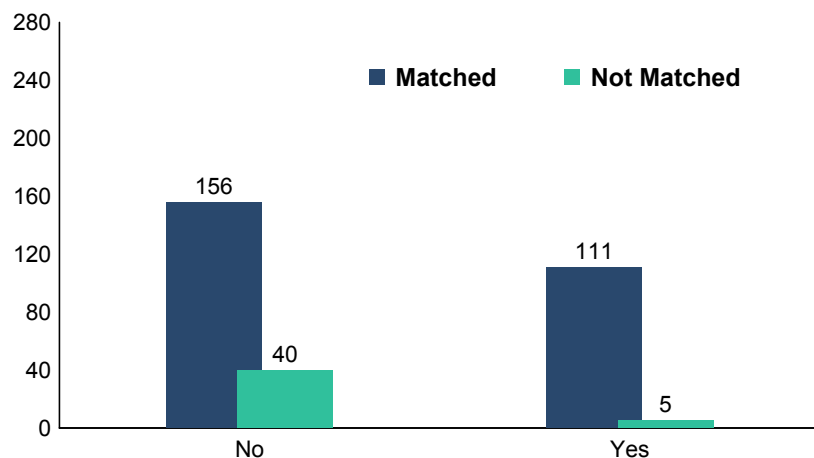
Number of Volunteer Experiences *Otolaryngology*



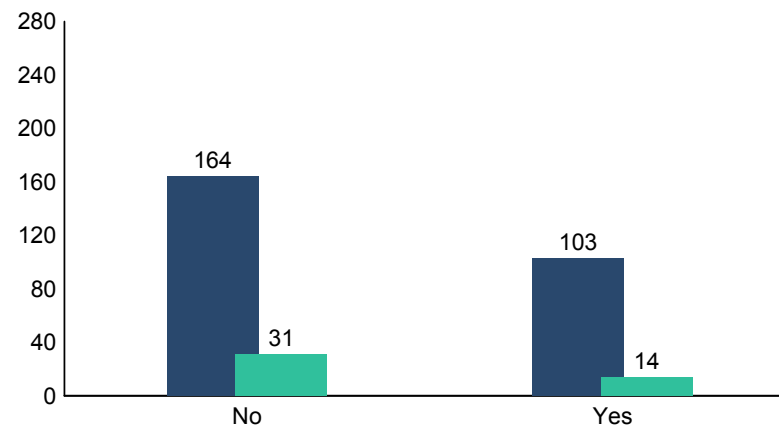
Source: NRMP Data Warehouse and AAMC Data Warehouse

Other Characteristics of U.S. Seniors *Otolaryngology*

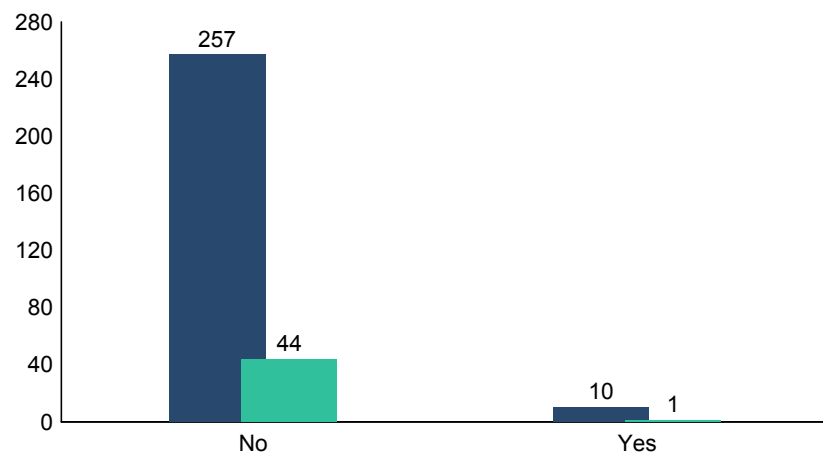
AOA Membership



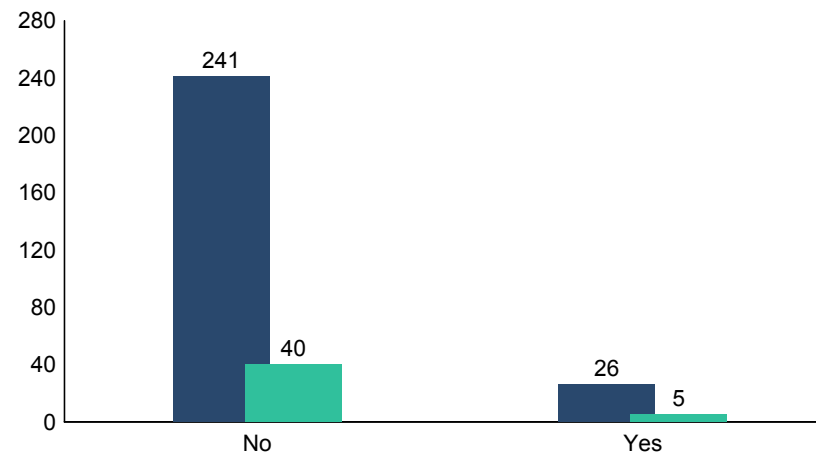
Graduate of One of the 40 U.S. Medical Schools with the Highest NIH Funding



Ph.D. Degree



Other Graduate Degree



Source: 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

Measure	U.S. Seniors		Independent Applicants	
	Matched (n=267)	Unmatched (n=10)	Matched (n=192)	Unmatched (n=189)
1. Mean number of contiguous ranks	8.9	4.5	5.7	3.0
2. Mean number of distinct specialties ranked	1.0	1.2	1.2	1.4
3. Mean USMLE Step 1 score	226	195	224	212
4. Mean USMLE Step 2 score	233	203	225	210
5. Mean number of research experiences	2.5	2.2	2.0	1.7
6. Mean number of abstracts, presentations, and publications	4.6	2.3	6.9	7.0
7. Mean number of work experiences	3.0	2.4	2.9	2.9
8. Mean number of volunteer experiences	4.6	3.3	3.0	2.0
9. Percentage who are AOA members	10.9	0.0	n/a	n/a
10. Percentage who graduated from one of the 40 U.S. medical schools with the highest NIH funding	40.4	30.0	n/a	n/a
11. Percentage who have Ph.D. degree	17.2	10.0	n/a	n/a
12. Percentage who have another graduate degree	10.5	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.

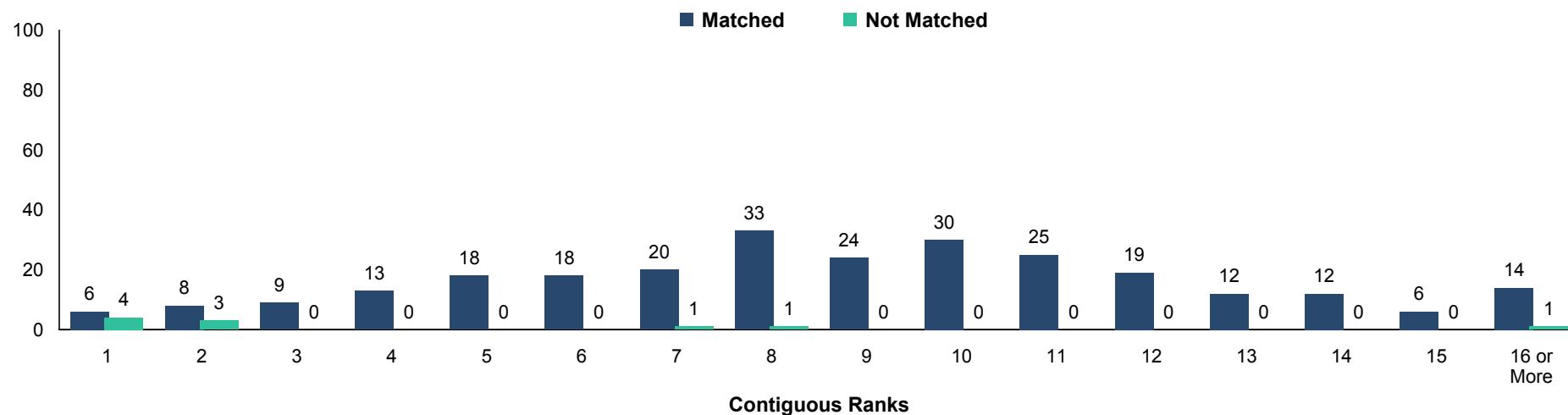
Sources: Measures 1, 2, and match outcome are from the NRMP Data Warehouse; measures 3 and 4 are from the AAMC Data Warehouse and from the ECFMG, both by permission of the NBME and ECFMG; measures 5-9 are from the AAMC Data Warehouse; measure 10 is from the NIH website (<http://report.nih.gov/award/trends/AggregateDate.cfm> 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 20 percent of U.S. allopathic medical school seniors do not take the USMLE Step 2 prior to the Match.

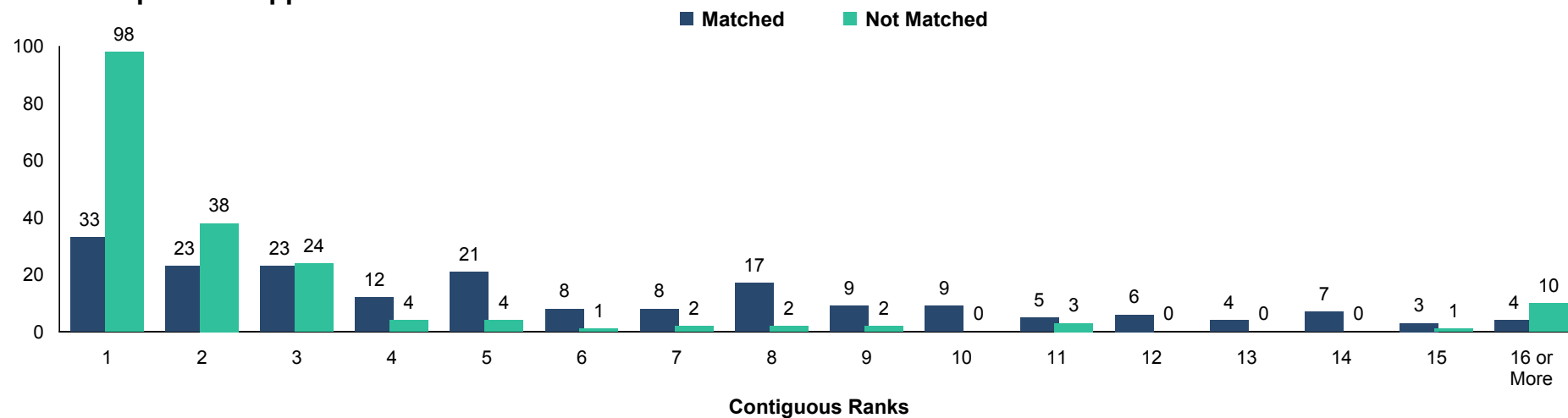
**Chart
PTH-1**

Number of Contiguous Ranks Within Preferred Specialty *Pathology*

U.S. Seniors

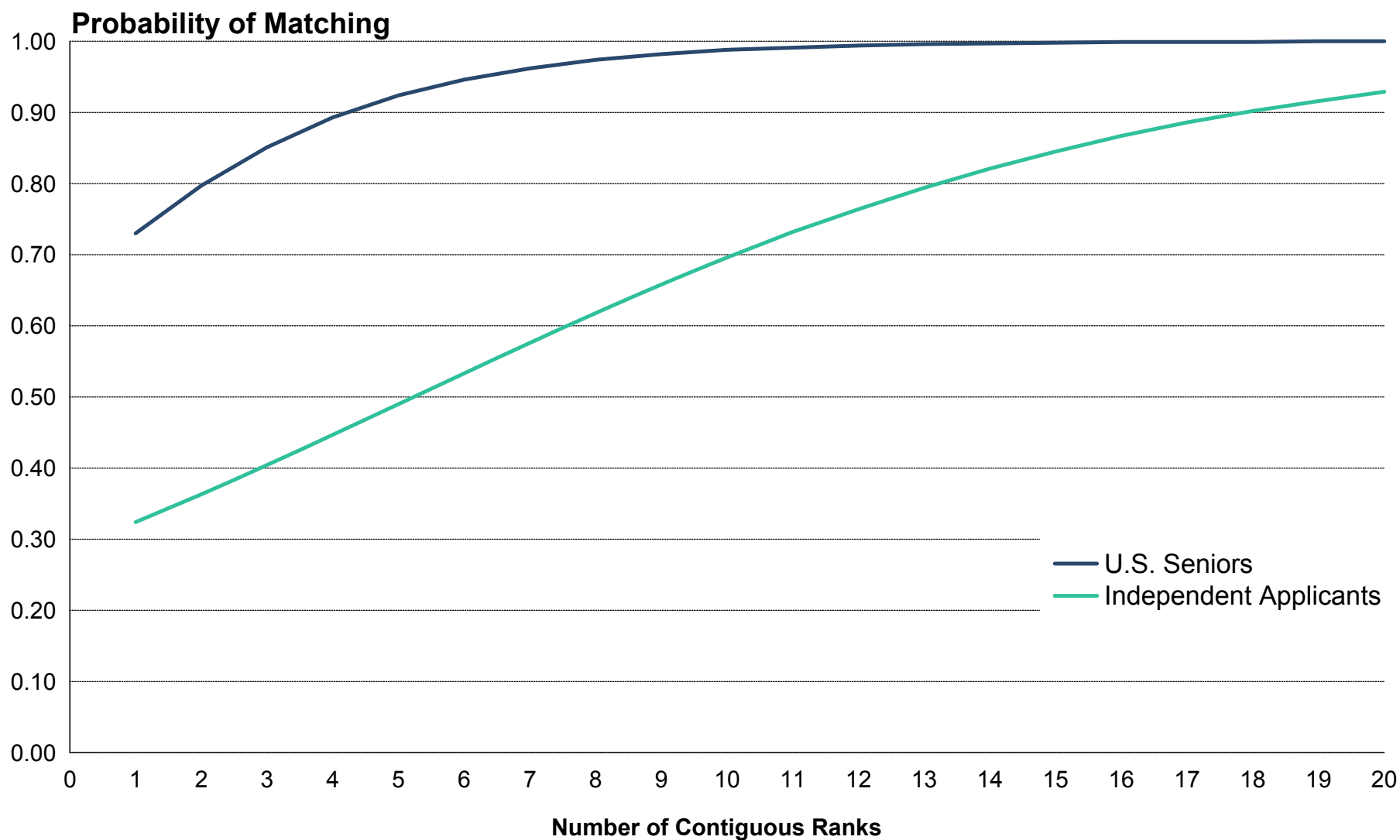


Independent Applicants



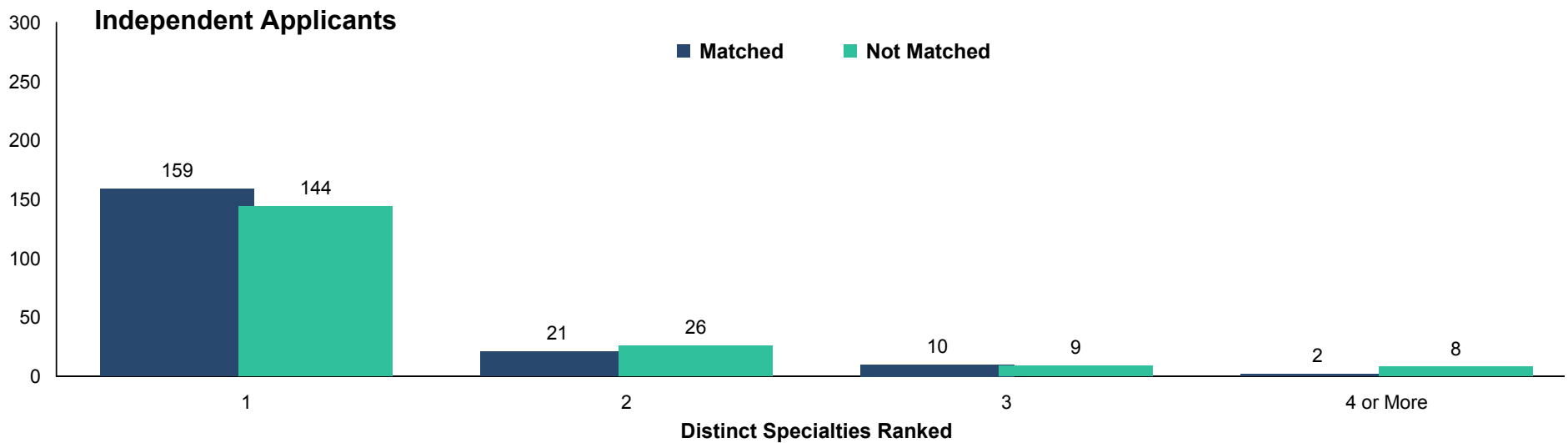
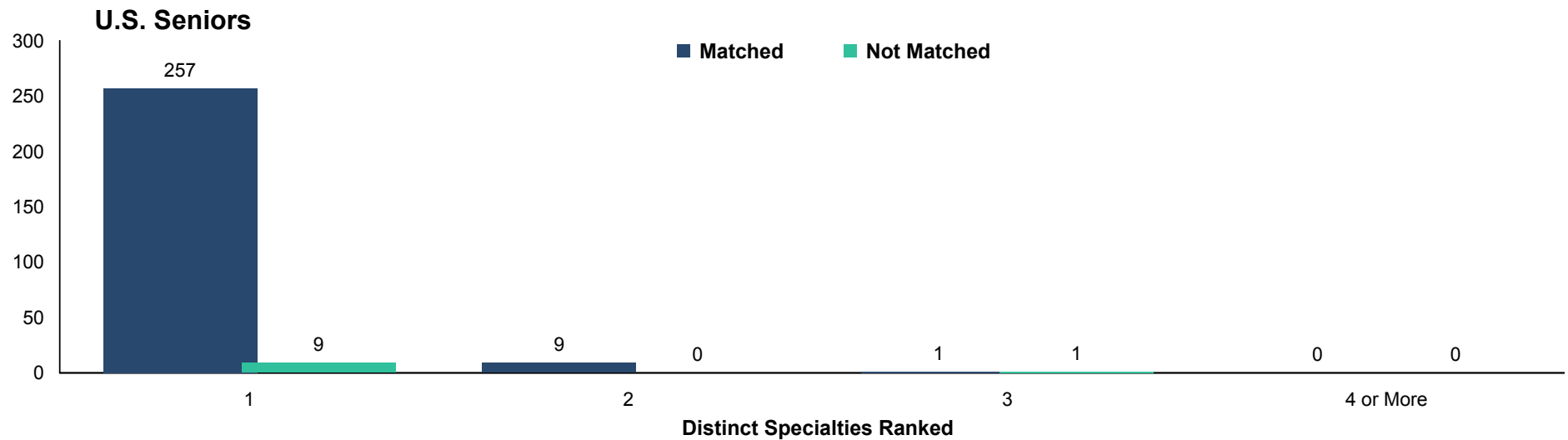
Source: NRMP Data Warehouse

Probability of Matching to Preferred Specialty by Number of Contiguous Ranks *Pathology*



Source: NRMP Data Warehouse. Note: Probabilities calculated based on 2009-2011 applicants

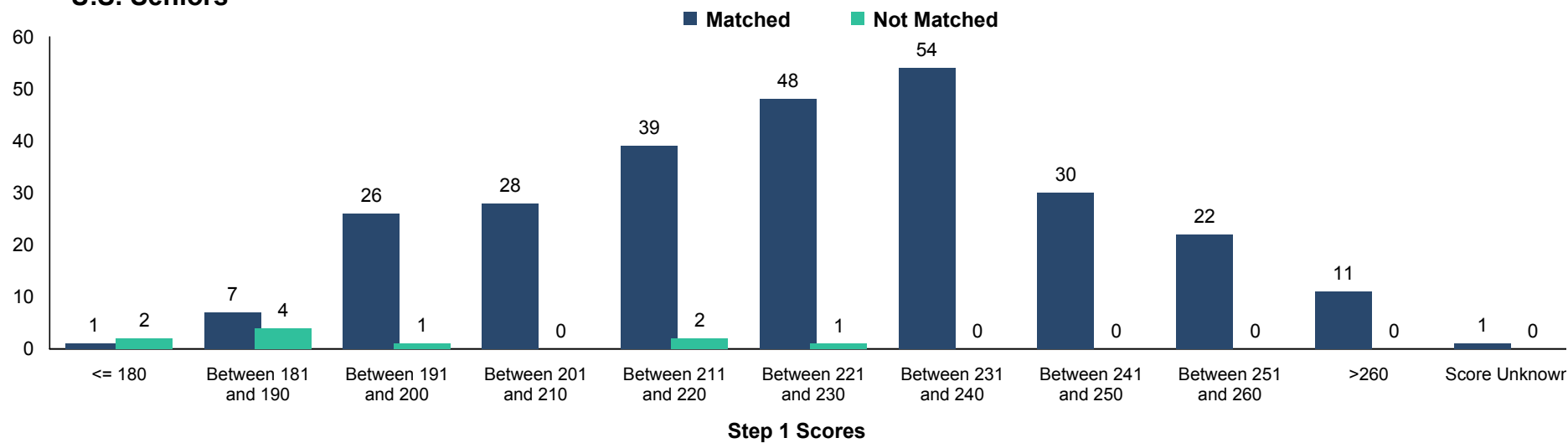
Number of Distinct Specialties Ranked *Pathology*



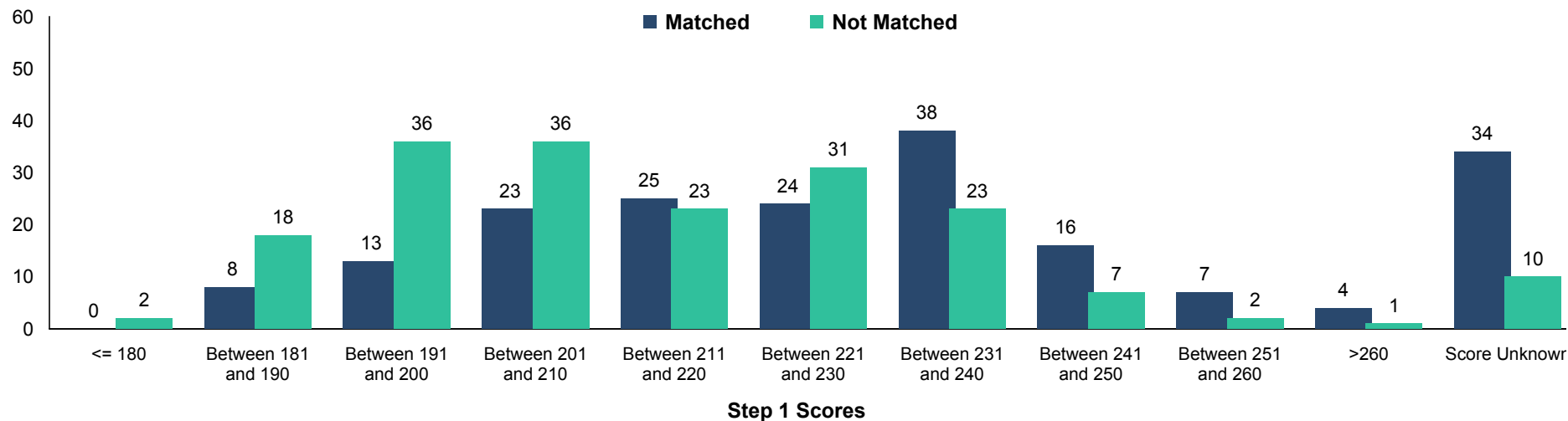
Source: NRMP Data Warehouse

USMLE Step 1 Scores Pathology

U.S. Seniors

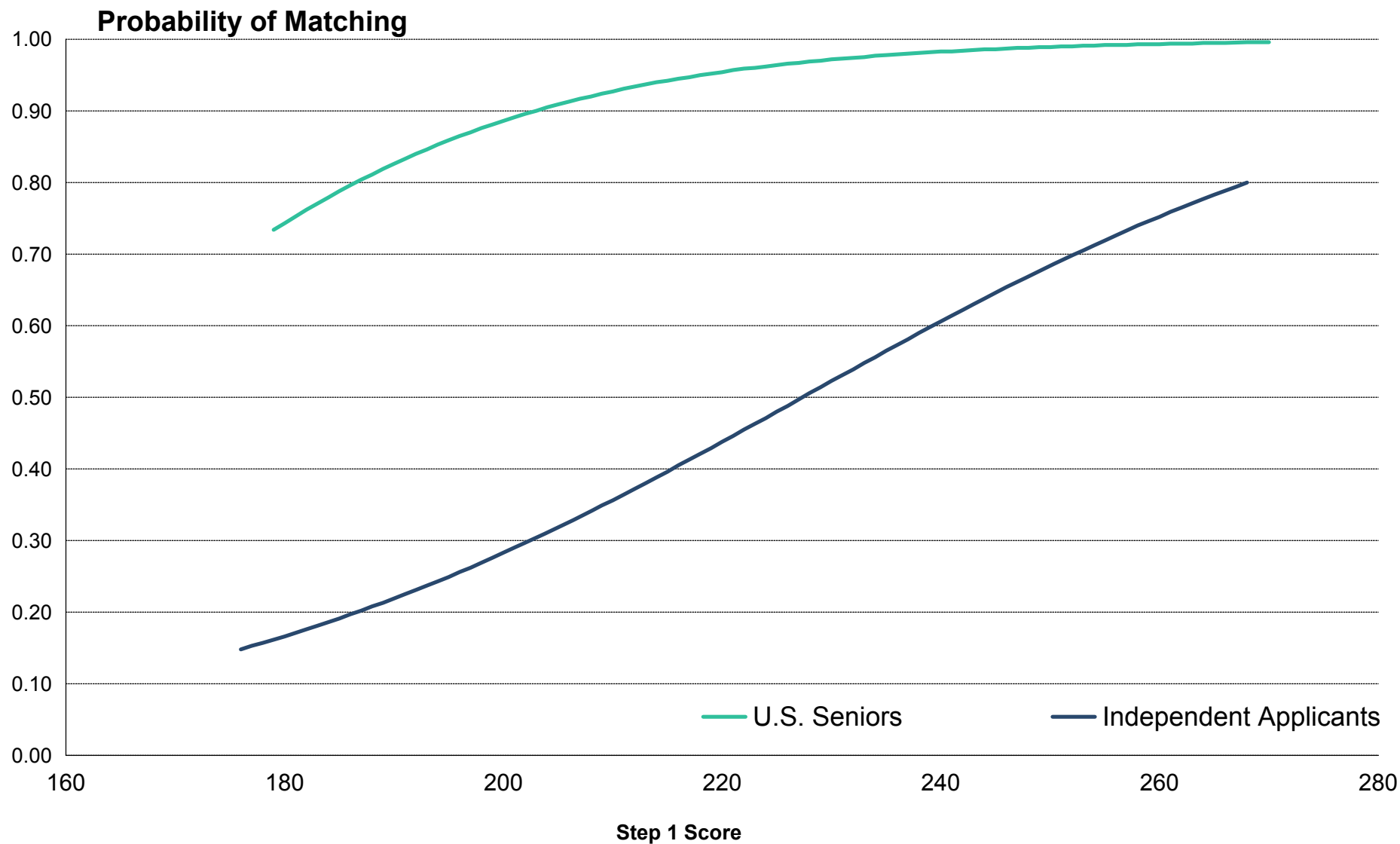


Independent Applicants



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

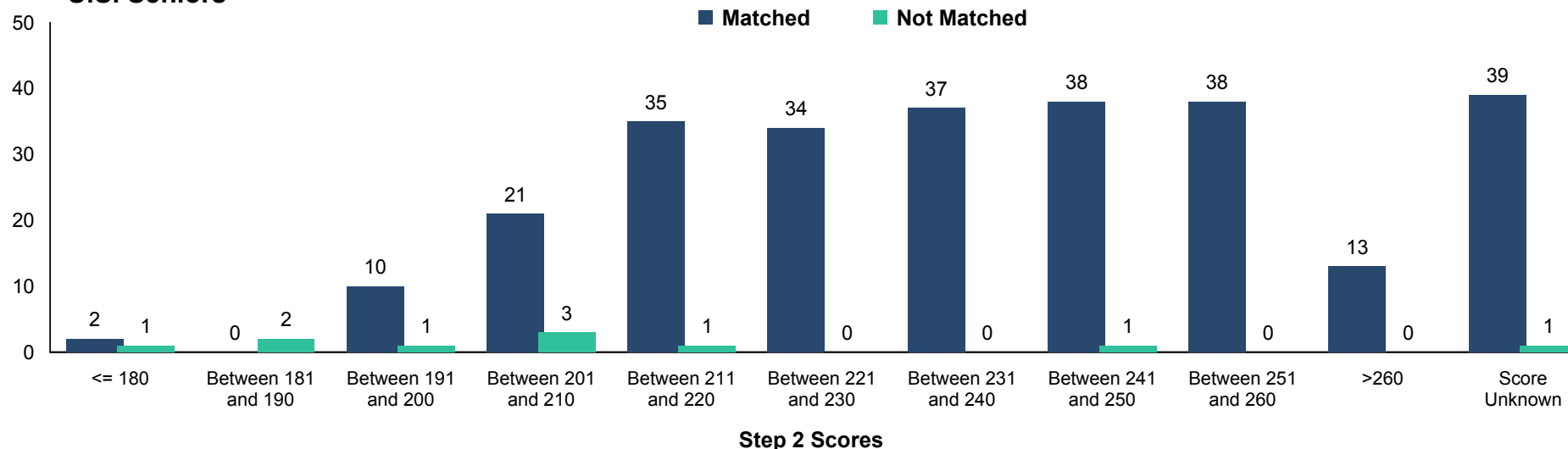
Probability of Matching to Preferred Specialty by USMLE Step 1 Score *Pathology*



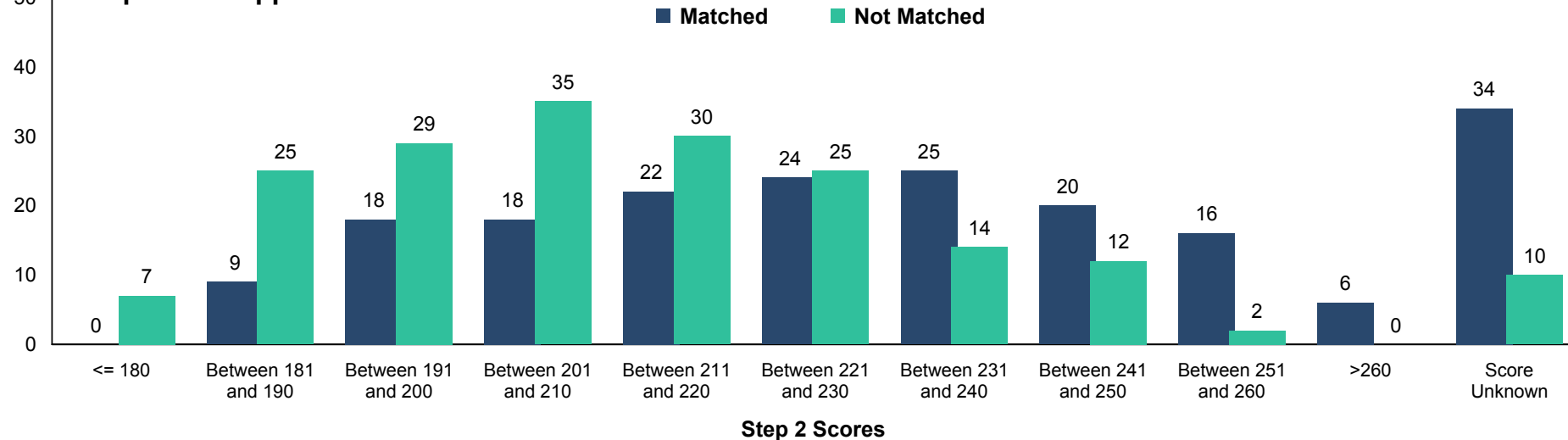
Source: NRMP Data Warehouse and AAMC Data Warehouse. USMLE scores by permission of the NBME and ECFMG. Note: Probabilities calculated based on 2009-2011 applicants.

USMLE Step 2 Scores Pathology

U.S. Seniors



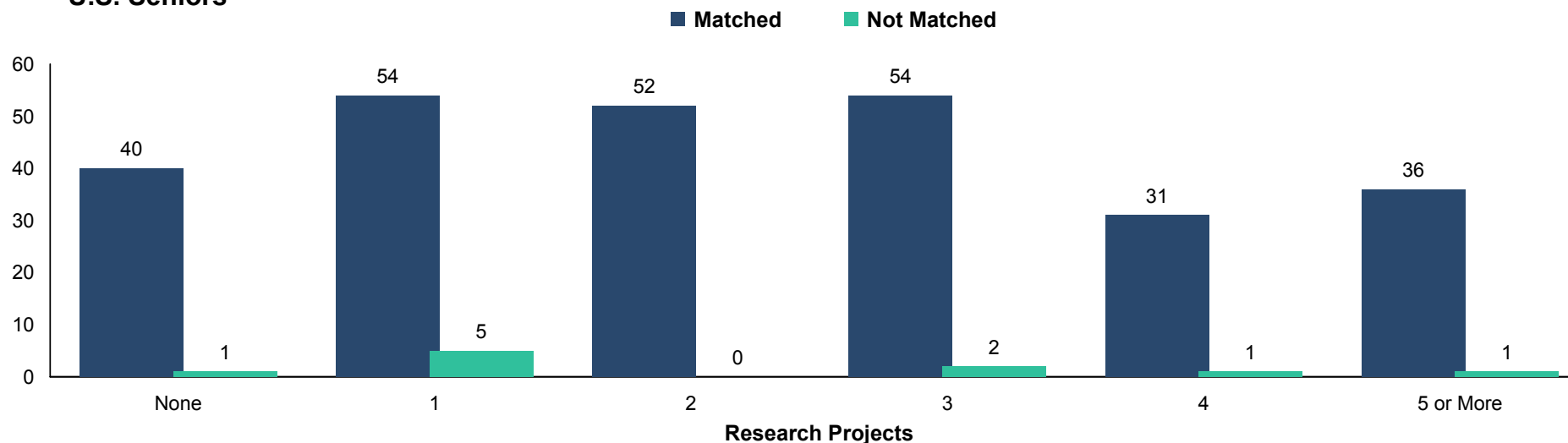
Independent Applicants



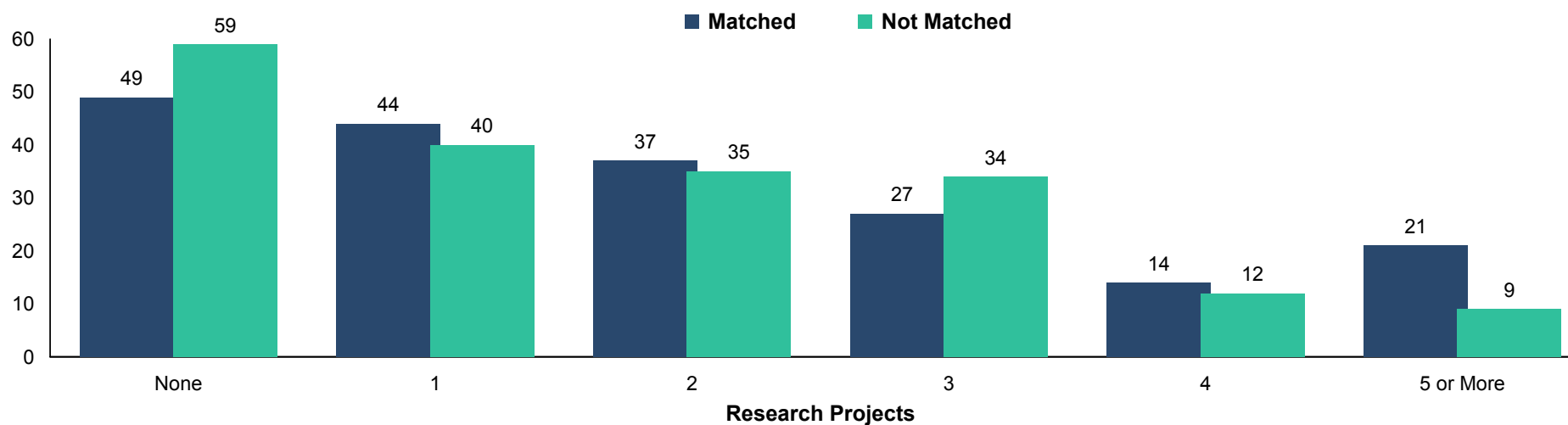
Source: NRMP Data Warehouse and AAMC Data Warehouse. USMLE scores by permission of the NBME and ECFMG.

Number of Research Projects *Pathology*

U.S. Seniors



Independent Applicants

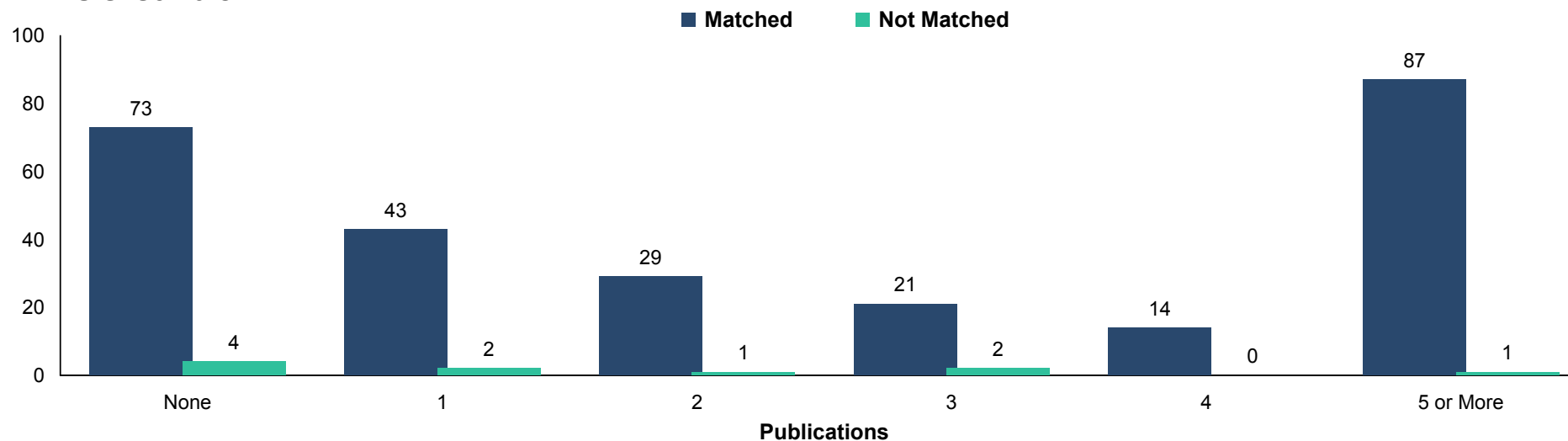


Source: NRMP Data Warehouse and AAMC Data Warehouse

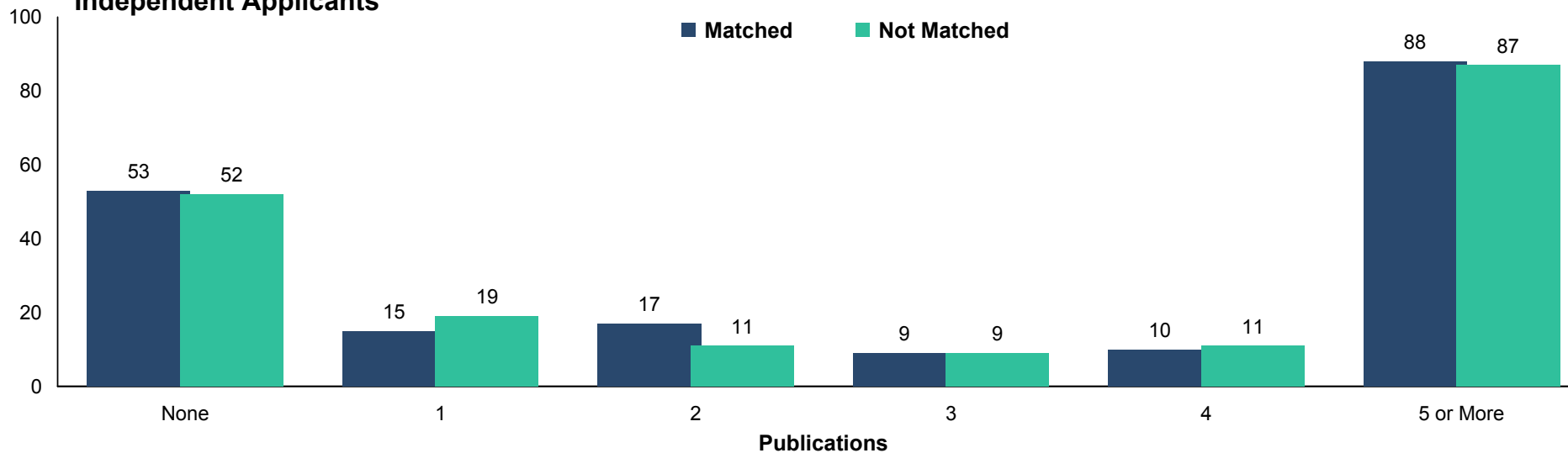
**Chart
PTH-6**

Number of Abstracts, Presentations, and Publications *Pathology*

U.S. Seniors

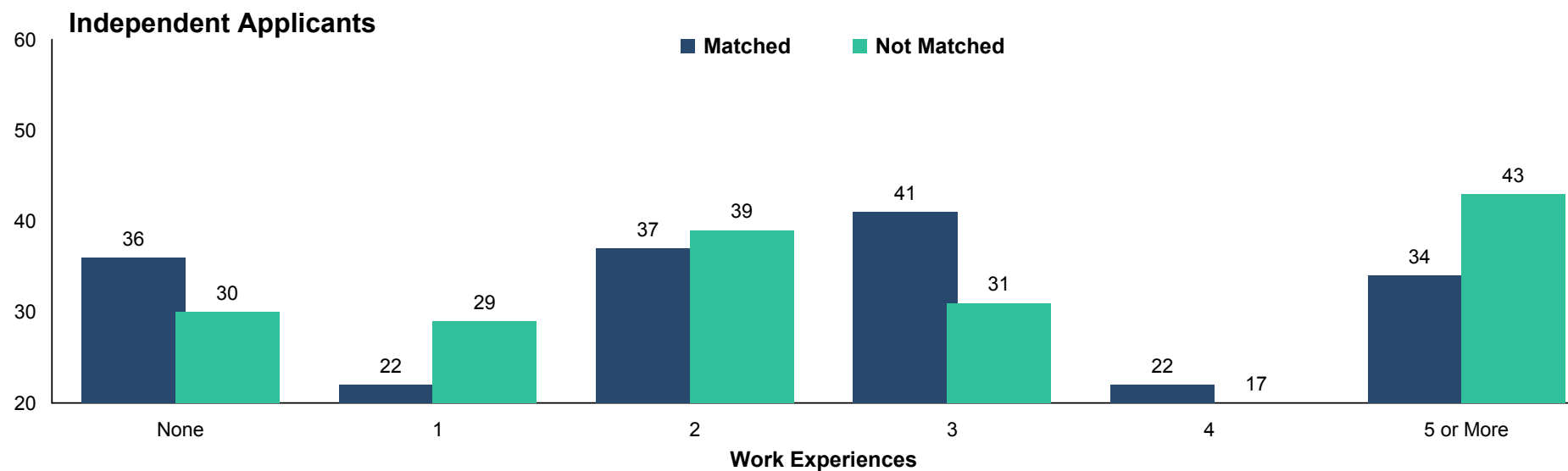
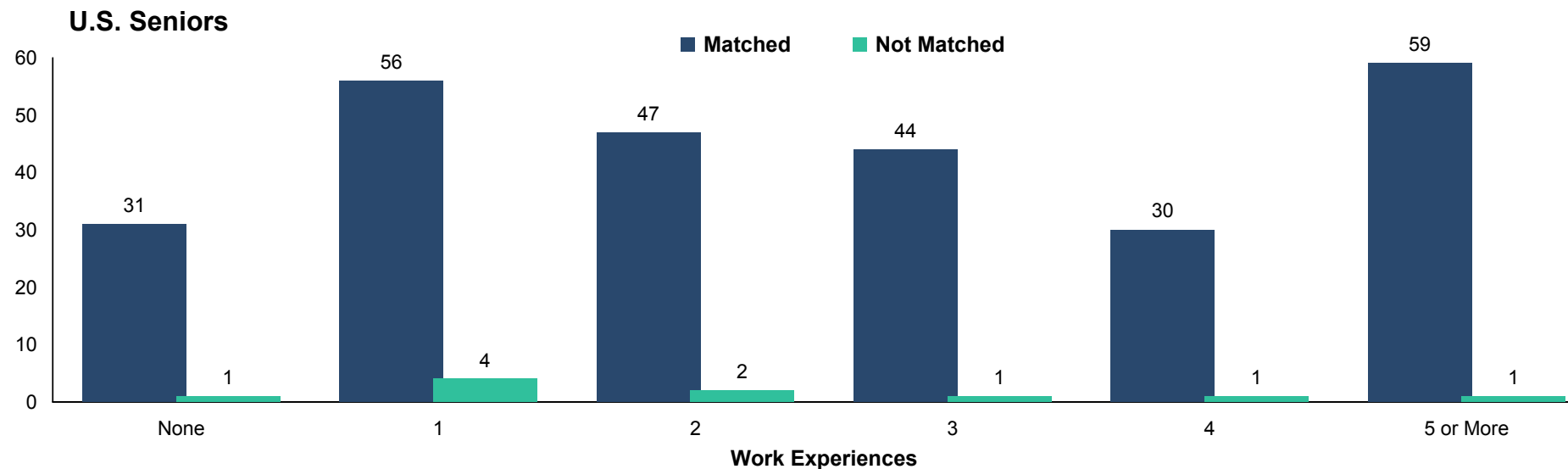


Independent Applicants



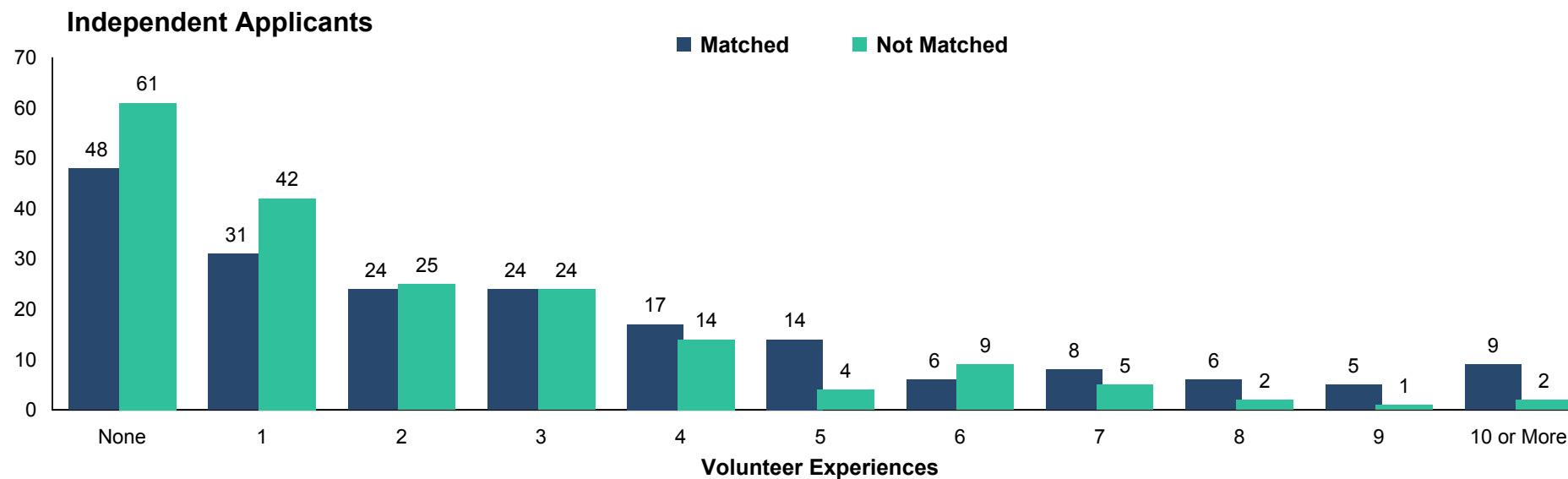
Source: NRMP Data Warehouse and AAMC Data Warehouse

Number of Work Experiences *Pathology*



Source: NRMP Data Warehouse and AAMC Data Warehouse

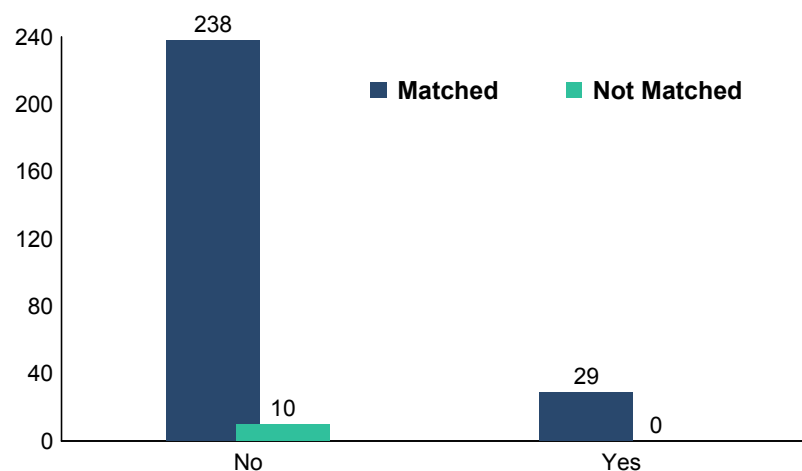
Number of Volunteer Experiences *Pathology*



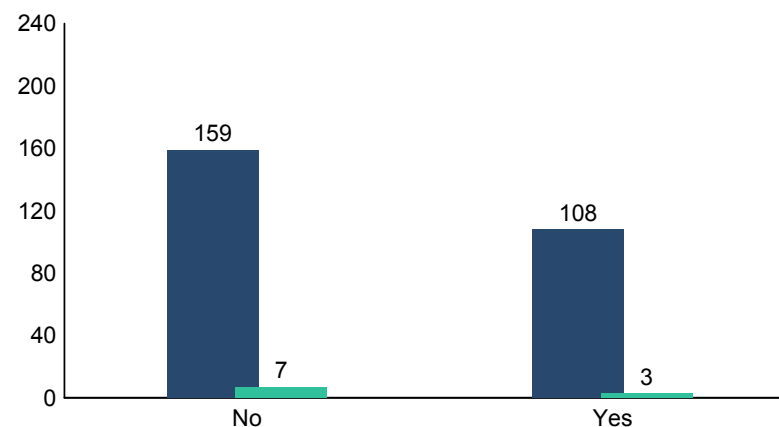
Source: NRMP Data Warehouse and AAMC Data Warehouse

Other Characteristics of U.S. Seniors *Pathology*

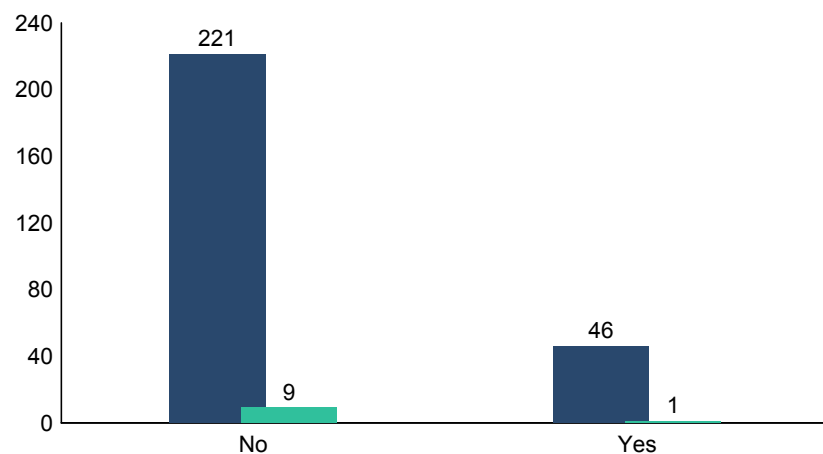
AOA Membership



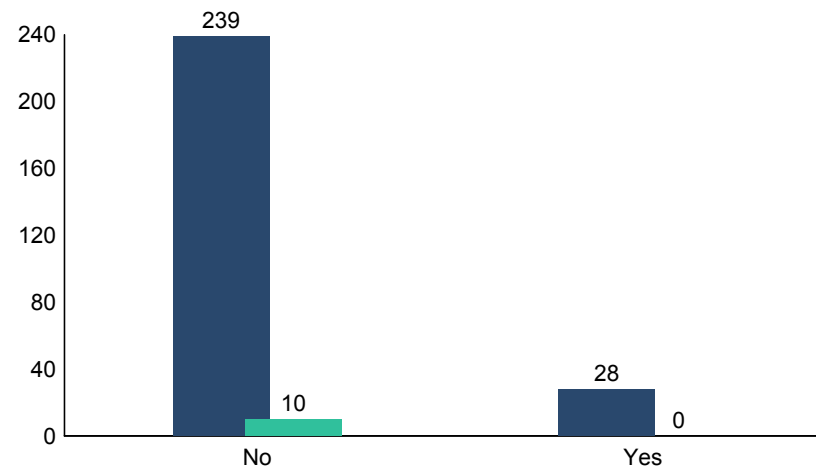
Graduate of One of the 40 U.S. Medical Schools with the Highest NIH Funding



Ph.D. Degree



Other Graduate Degree



Source: 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

PD **Pediatrics**

Measure	U.S. Seniors		Independent Applicants	
	Matched (n=1,734)	Unmatched (n=78)	Matched (n=595)	Unmatched (n=581)
1. Mean number of contiguous ranks	9.6	6.8	6.7	2.5
2. Mean number of distinct specialties ranked	1.0	1.1	1.2	1.5
3. Mean USMLE Step 1 score	221	206	217	204
4. Mean USMLE Step 2 score	234	215	221	209
5. Mean number of research experiences	2.0	1.6	1.3	1.2
6. Mean number of abstracts, presentations, and publications	2.4	2.1	2.0	2.7
7. Mean number of work experiences	2.7	2.8	3.2	3.9
8. Mean number of volunteer experiences	7.4	6.7	5.0	3.3
9. Percentage who are AOA members	11.6	1.3	n/a	n/a
10. Percentage who graduated from one of the 40 U.S. medical schools with the highest NIH funding	33.6	24.4	n/a	n/a
11. Percentage who have Ph.D. degree	4.2	1.3	n/a	n/a
12. Percentage who have another graduate degree	8.9	17.9	n/a	n/a

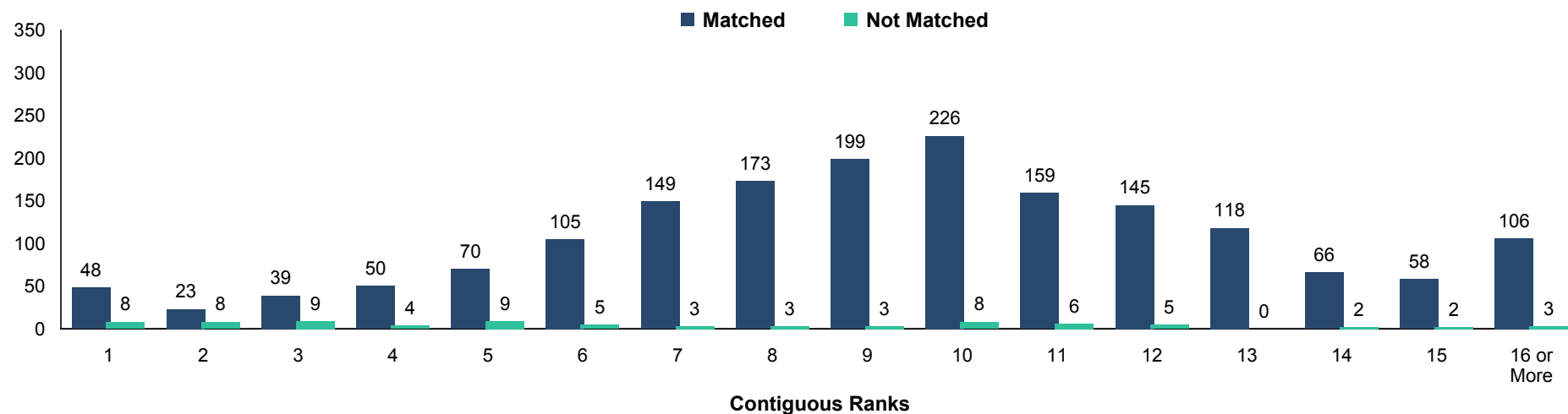
n/a: The measure either does not apply to, applies to only a small percentage of, or no reliable data were available for independent applicants.

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.

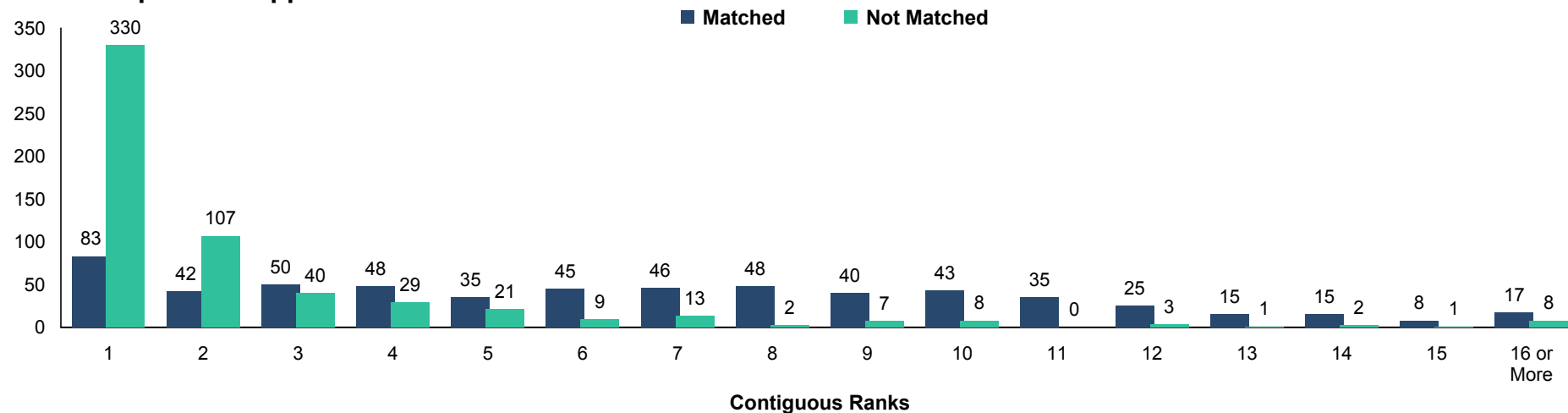
Note: USMLE Step 1 scores are not available for most osteopathic medical school graduates included in the independent applicant group. Approximately 20 percent of U.S. allopathic medical school seniors do not take the USMLE Step 2 prior to the Match.

Number of Contiguous Ranks Within Preferred Specialty *Pediatrics*

U.S. Seniors

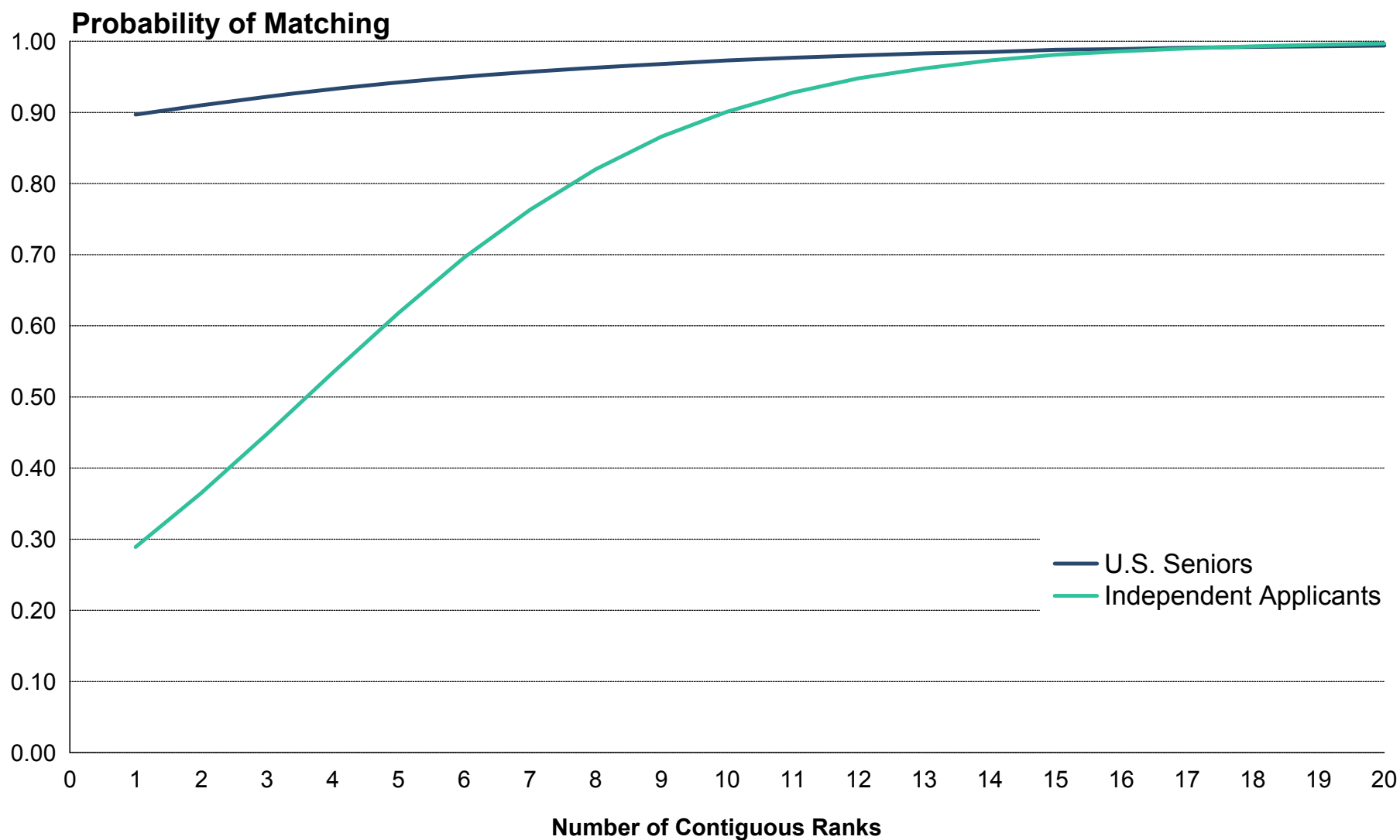


Independent Applicants



Source: NRMP Data Warehouse

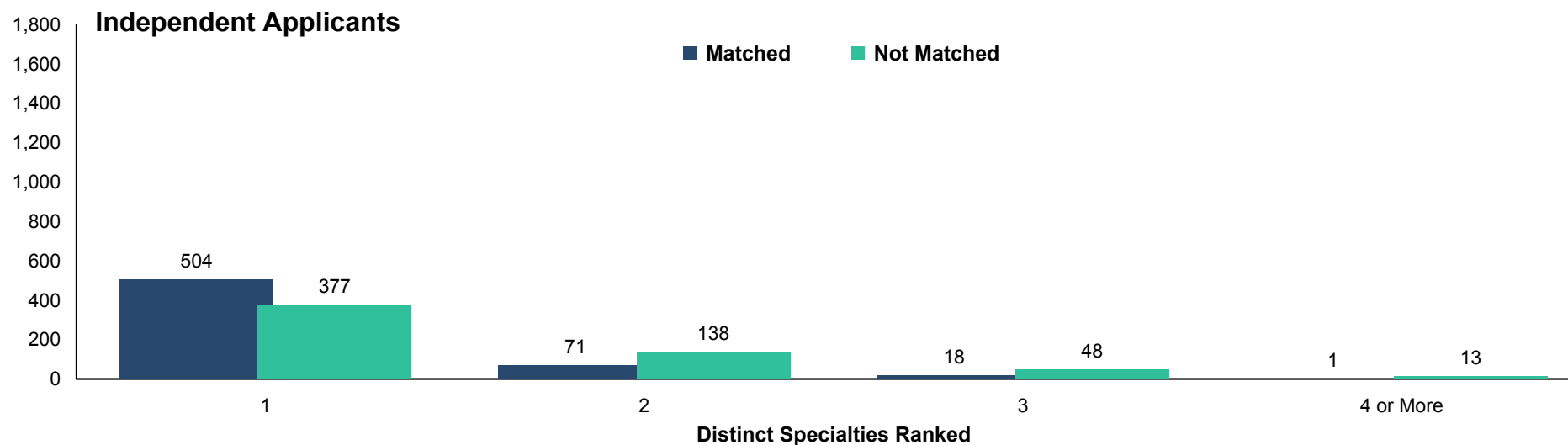
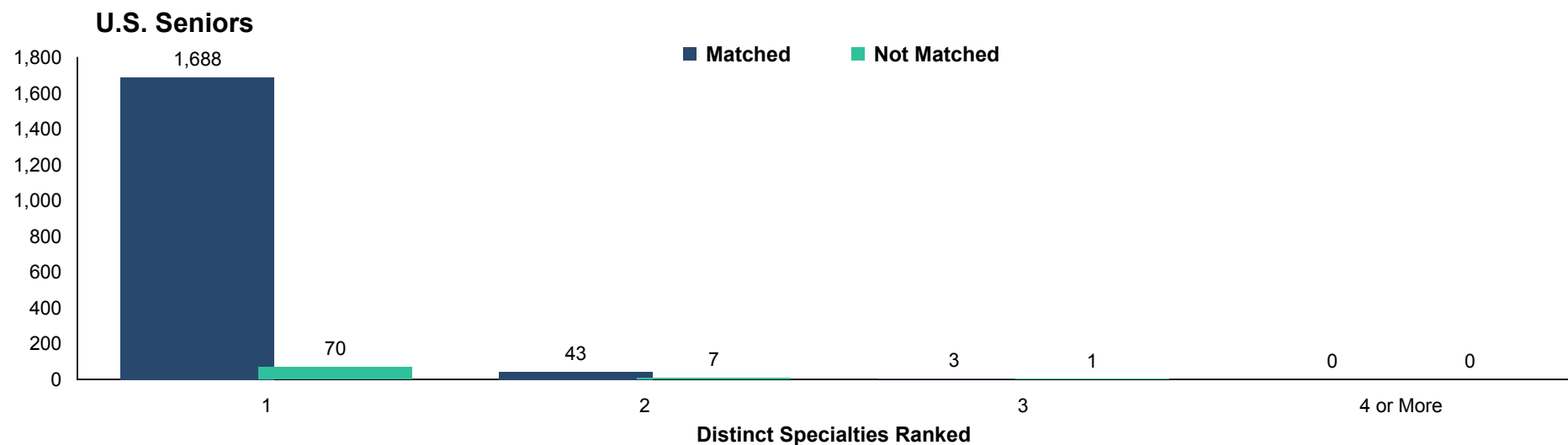
Probability of Matching to Preferred Specialty by Number of Contiguous Ranks *Pediatrics*



Source: NRMP Data Warehouse. Note: Probabilities calculated based on 2009-2011 applicants

**Chart
PD-2**

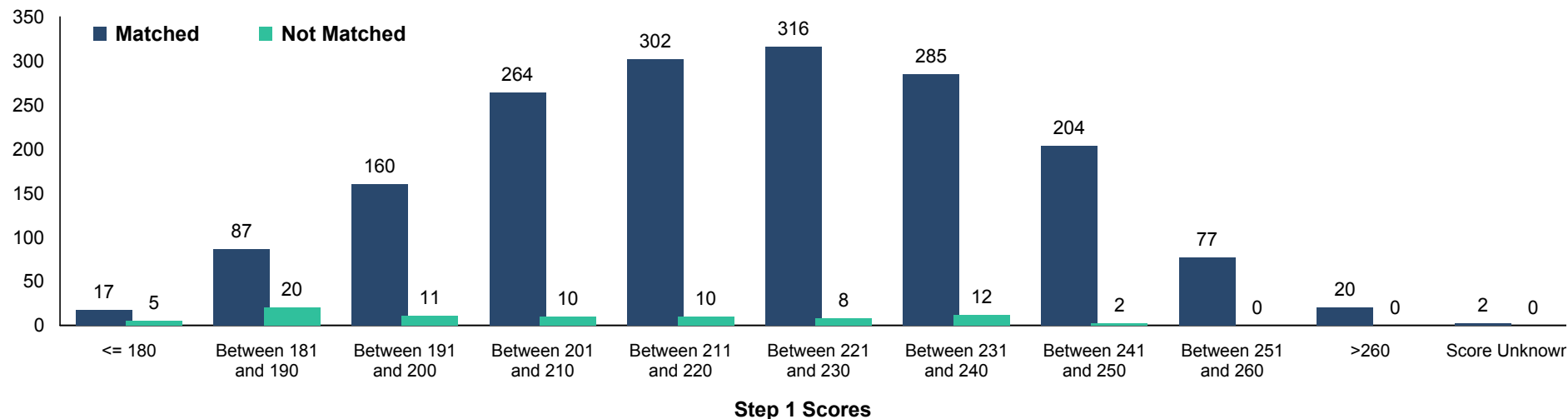
Number of Distinct Specialties Ranked *Pediatrics*



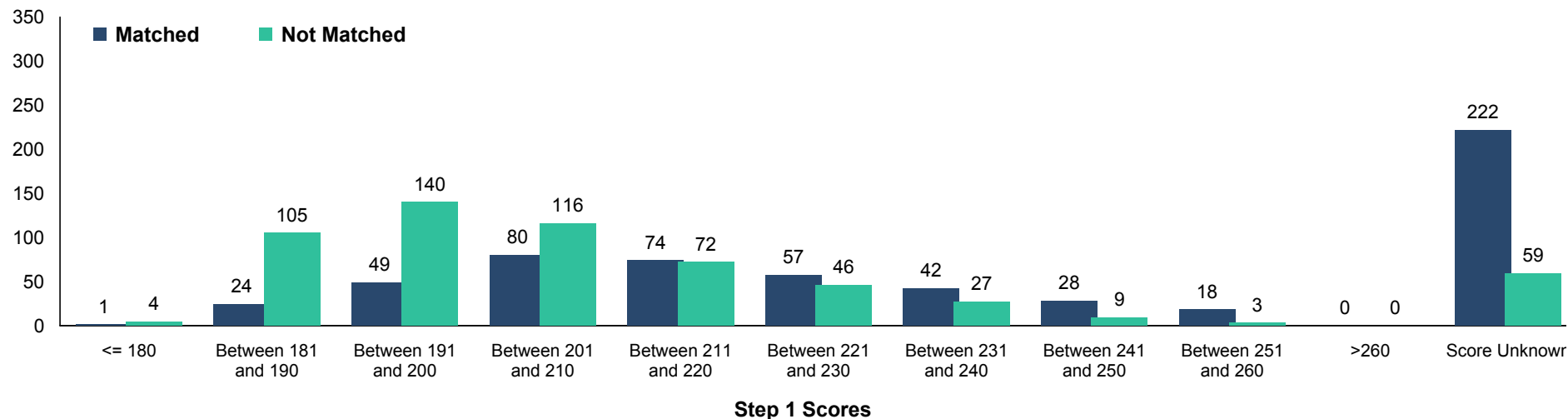
Source: NRMP Data Warehouse

USMLE Step 1 Scores Pediatrics

U.S. Seniors

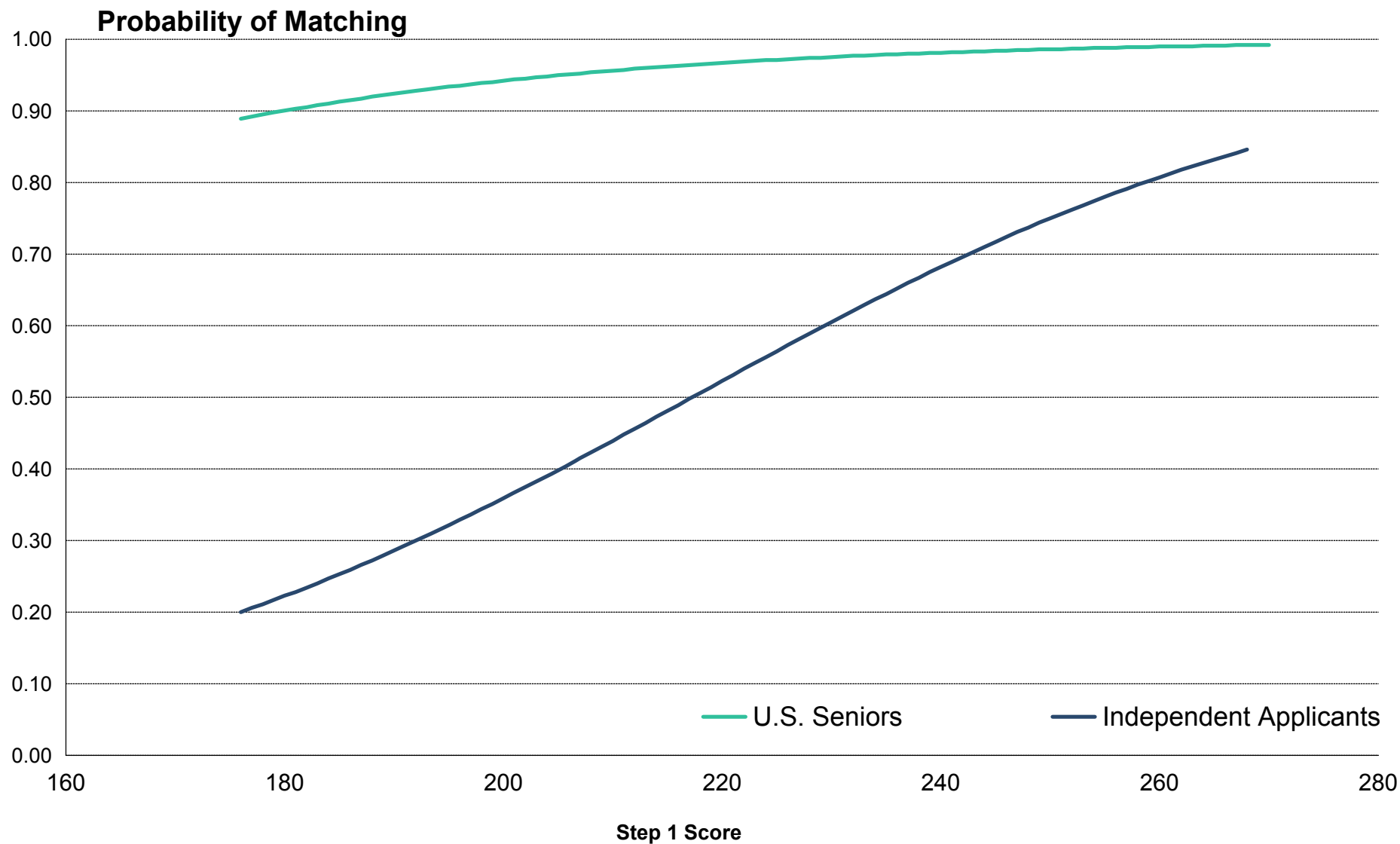


Independent Applicants



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

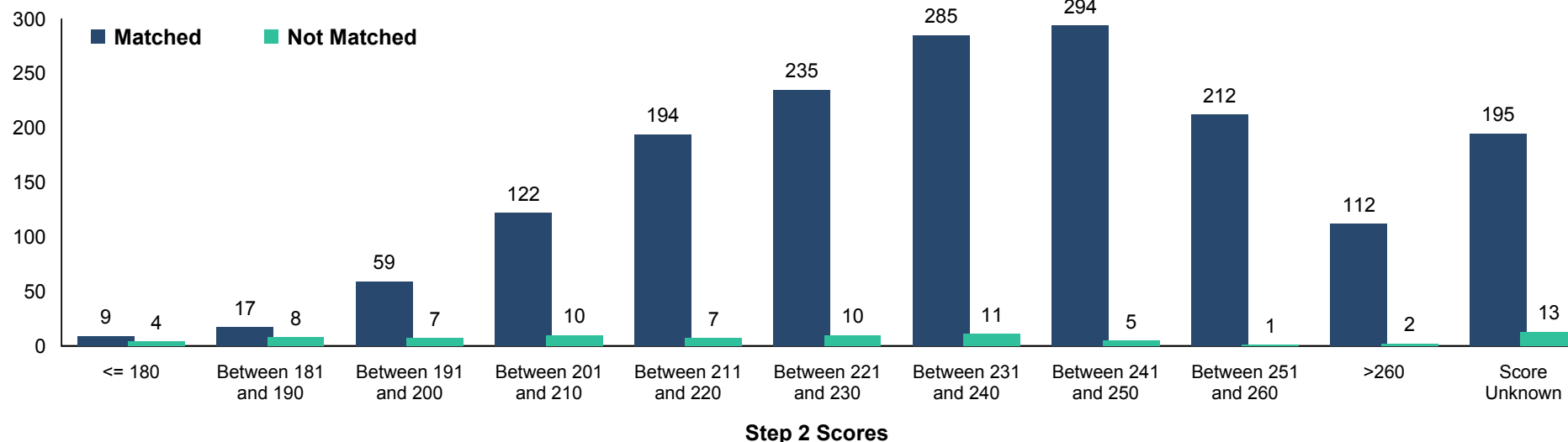
Probability of Matching to Preferred Specialty by USMLE Step 1 Score *Pediatrics*



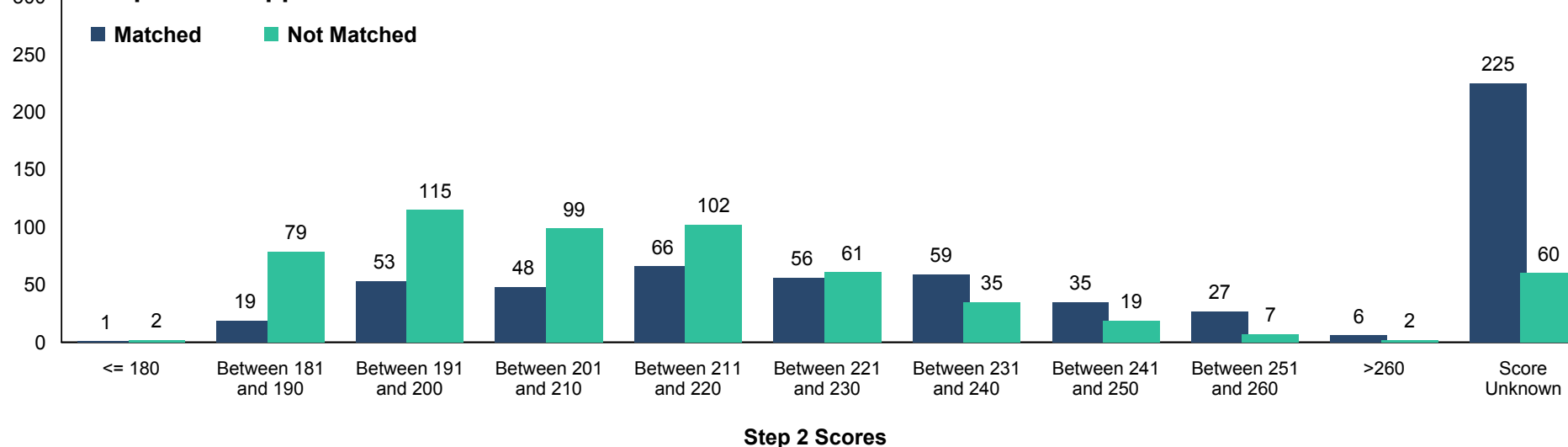
Source: NRMP Data Warehouse and AAMC Data Warehouse. USMLE scores by permission of the NBME and ECFMG. Note: Probabilities calculated based on 2009-2011 applicants.

USMLE Step 2 Scores Pediatrics

U.S. Seniors



Independent Applicants

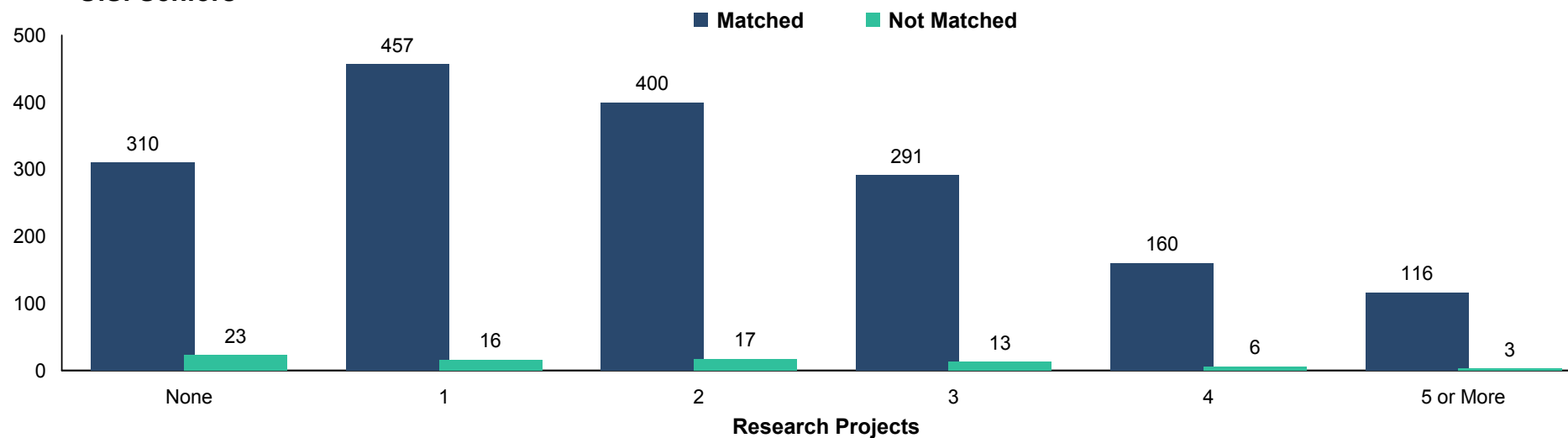


Source: NRMP Data Warehouse and AAMC Data Warehouse. USMLE scores by permission of the NBME and ECFMG.

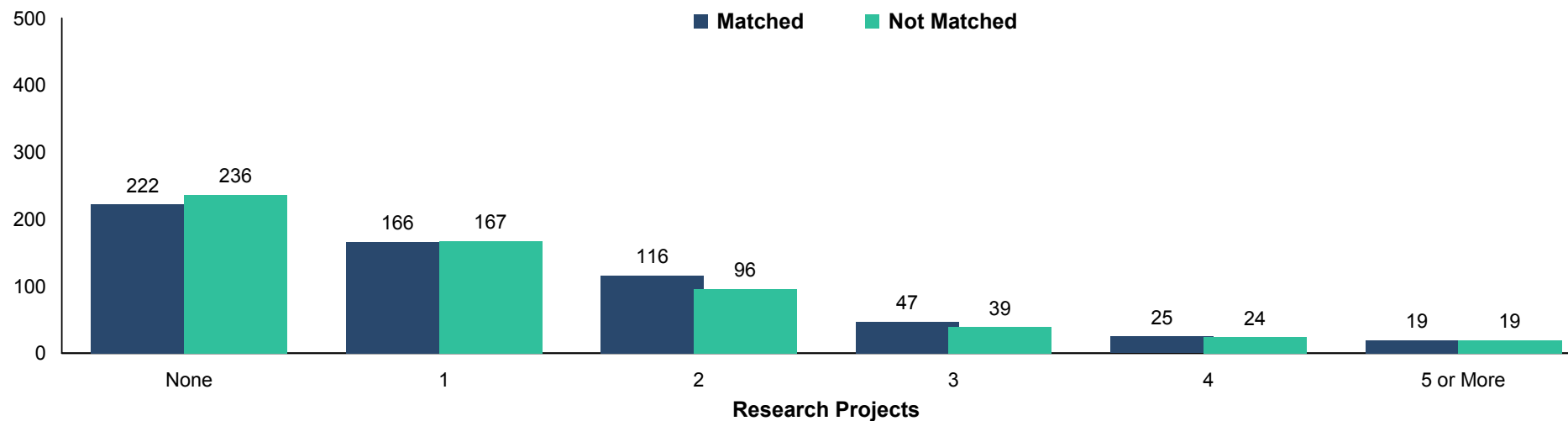
**Chart
PD-5**

Number of Research Projects *Pediatrics*

U.S. Seniors



Independent Applicants

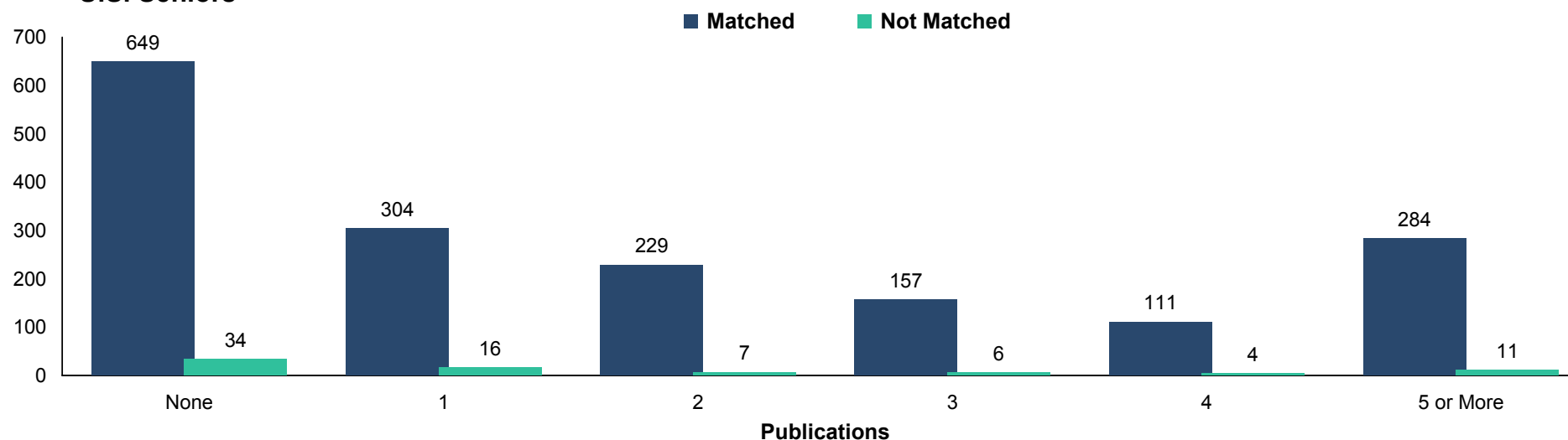


Source: NRMP Data Warehouse and AAMC Data Warehouse

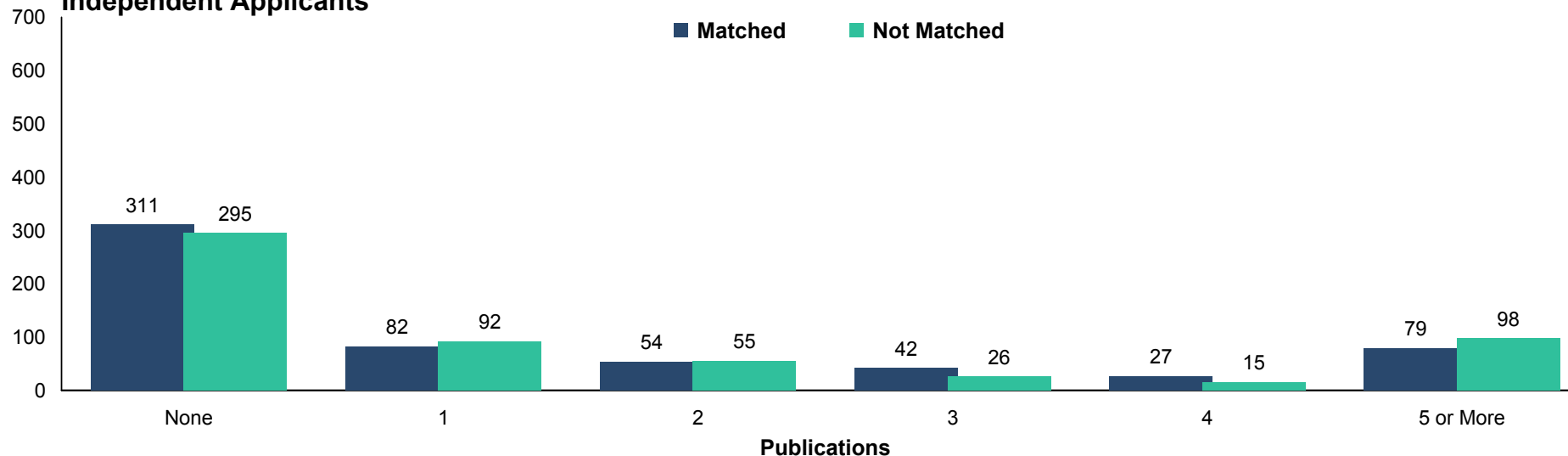
**Chart
PD-6**

Number of Abstracts, Presentations, and Publications *Pediatrics*

U.S. Seniors



Independent Applicants

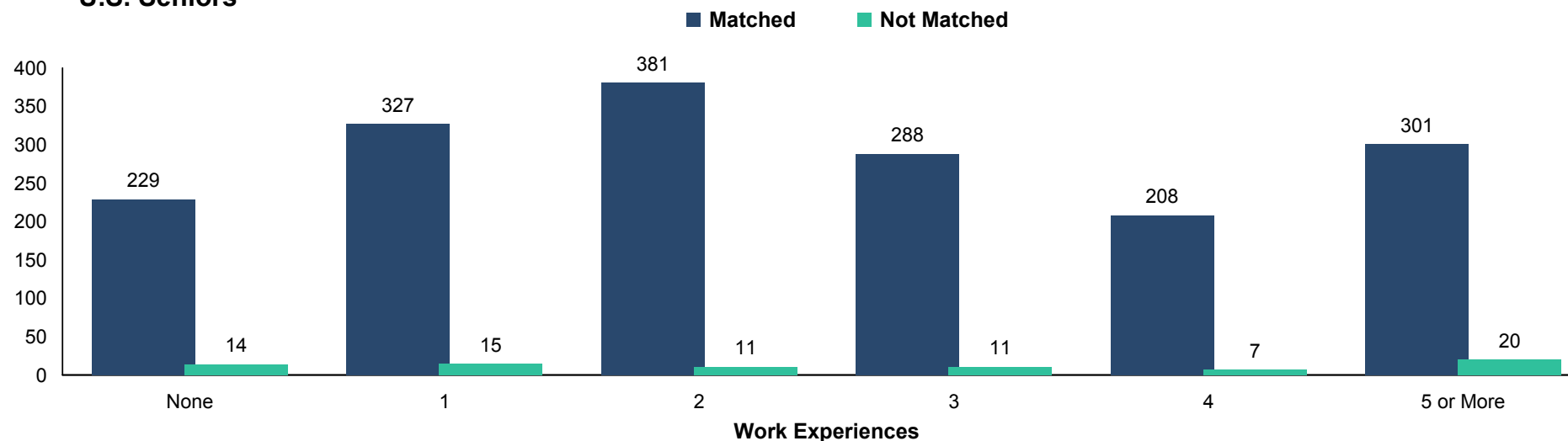


Source: NRMP Data Warehouse and AAMC Data Warehouse

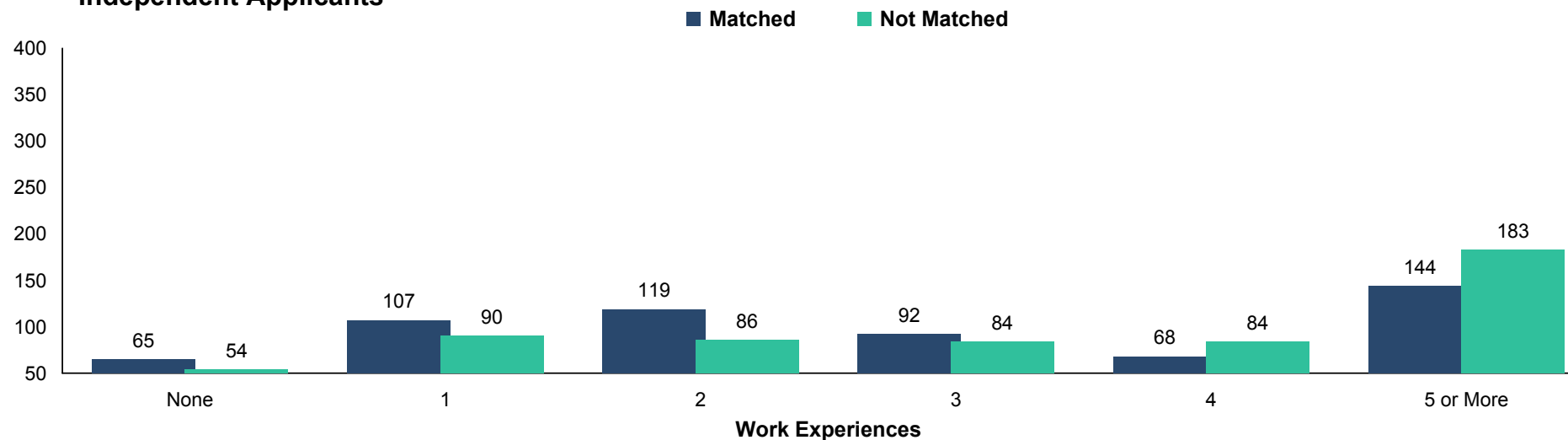
**Chart
PD-7**

Number of Work Experiences *Pediatrics*

U.S. Seniors



Independent Applicants

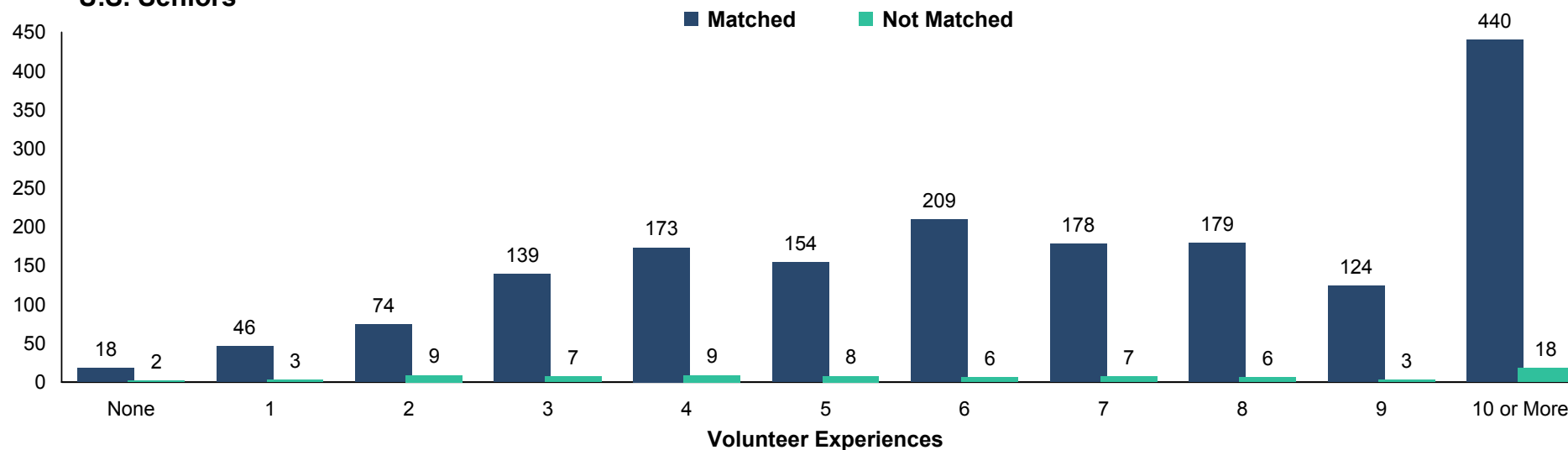


Source: NRMP Data Warehouse and AAMC Data Warehouse

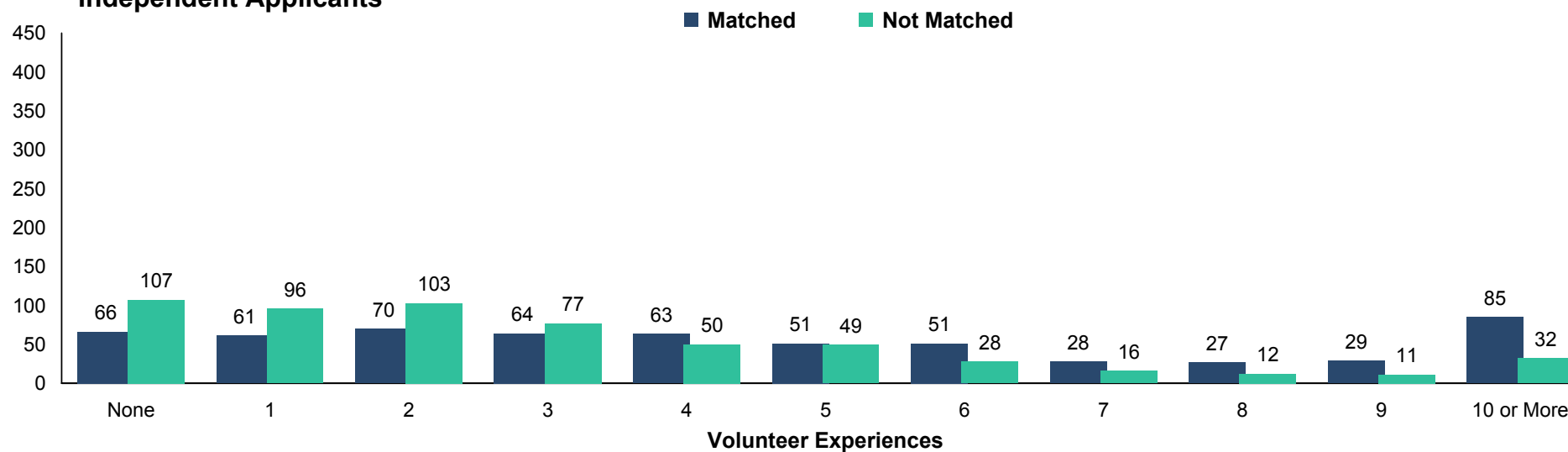
**Chart
PD-8**

Number of Volunteer Experiences *Pediatrics*

U.S. Seniors



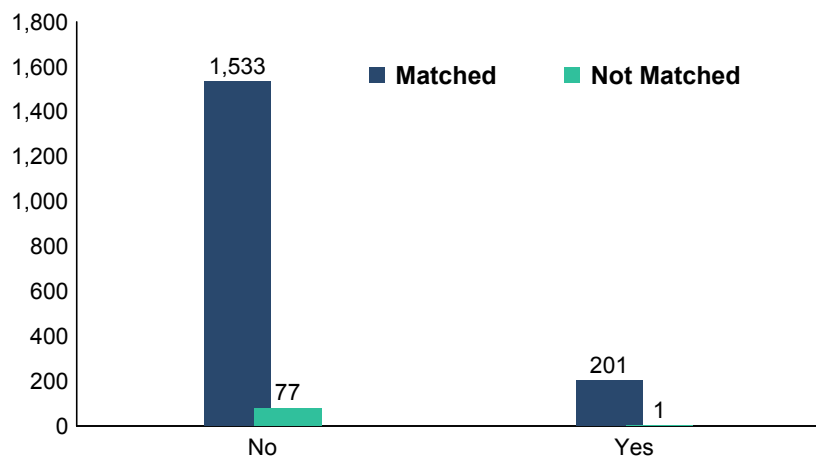
Independent Applicants



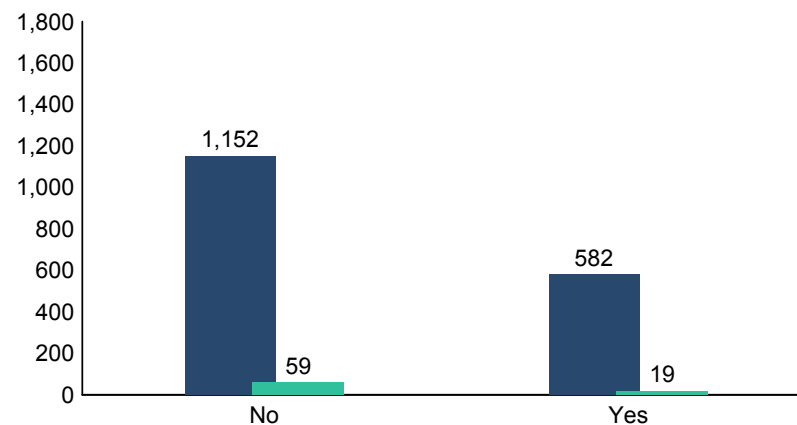
Source: NRMP Data Warehouse and AAMC Data Warehouse

Other Characteristics of U.S. Seniors *Pediatrics*

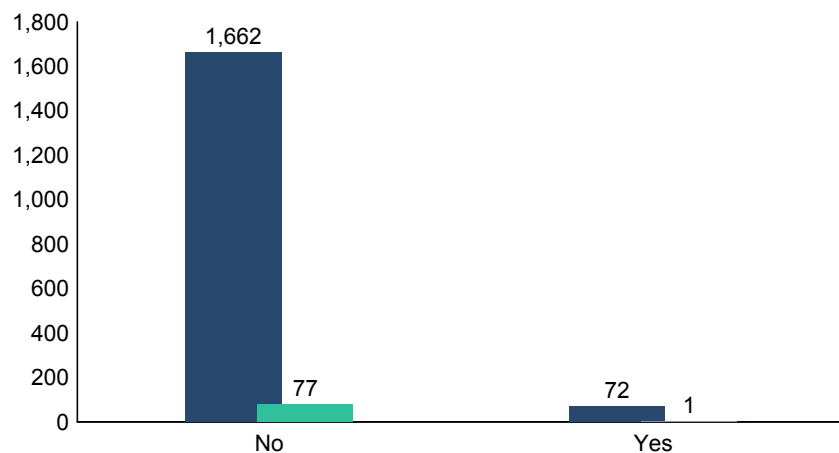
AOA Membership



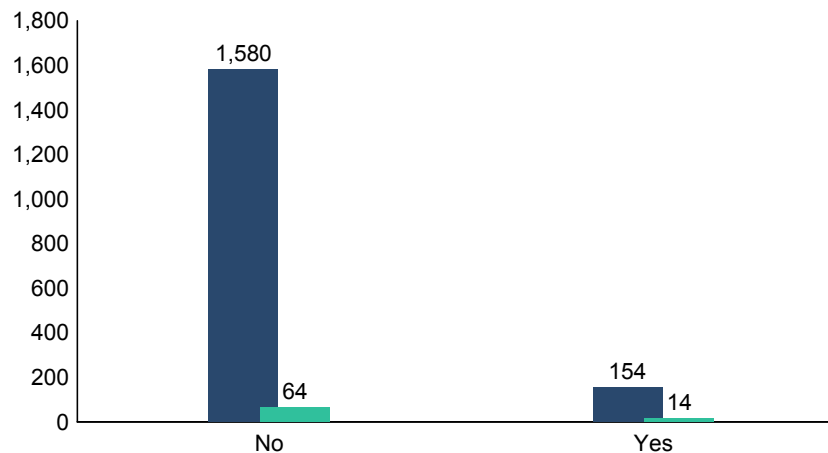
Graduate of One of the 40 U.S. Medical Schools with the Highest NIH Funding



Ph.D. Degree



Other Graduate Degree



Source: 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

PM **Physical Medicine and Rehabilitation**

Measure	U.S. Seniors		Independent Applicants	
	Matched (n=178)	Unmatched (n=19)	Matched (n=174)	Unmatched (n=113)
1. Mean number of contiguous ranks	10.9	4.0	7.4	3.1
2. Mean number of distinct specialties ranked	1.4	1.9	1.3	1.6
3. Mean USMLE Step 1 score	214	195	212	203
4. Mean USMLE Step 2 score	224	200	213	205
5. Mean number of research experiences	1.9	1.7	1.4	1.2
6. Mean number of abstracts, presentations, and publications	2.1	1.5	2.4	2.3
7. Mean number of work experiences	2.5	2.8	3.1	3.8
8. Mean number of volunteer experiences	6.2	5.2	5.5	3.5
9. Percentage who are AOA members	3.9	0.0	n/a	n/a
10. Percentage who graduated from one of the 40 U.S. medical schools with the highest NIH funding	22.5	5.3	n/a	n/a
11. Percentage who have Ph.D. degree	1.1	0.0	n/a	n/a
12. Percentage who have another graduate degree	7.3	26.3	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.

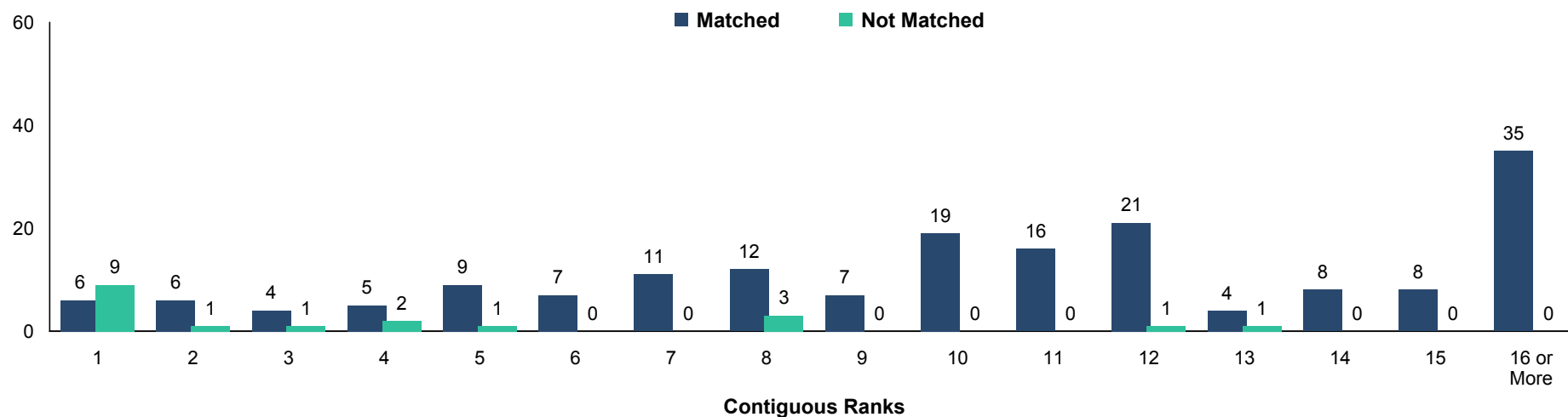
Sources: Measures 1, 2, and match outcome are from the NRMP Data Warehouse; measures 3 and 4 are from the AAMC Data Warehouse and from the ECFMG, both by permission of the NBME and ECFMG; measures 5-9 are from the AAMC Data Warehouse; measure 10 is from the NIH website (<http://report.nih.gov/award/trends/AggregateDate.cfm> 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 20 percent of U.S. allopathic medical school seniors do not take the USMLE Step 2 prior to the Match.

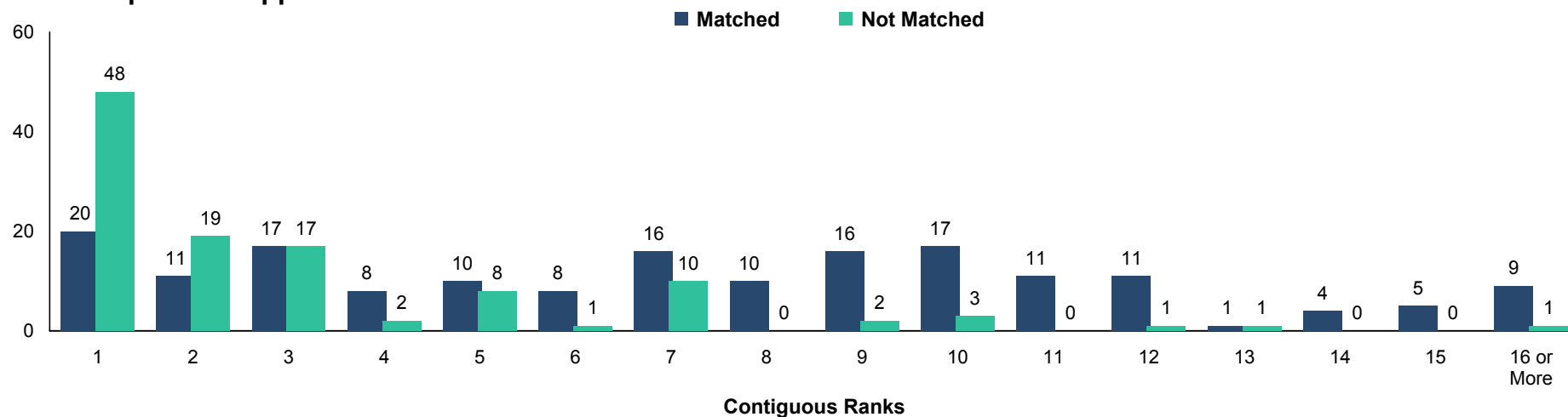
**Chart
PM-1**

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

U.S. Seniors



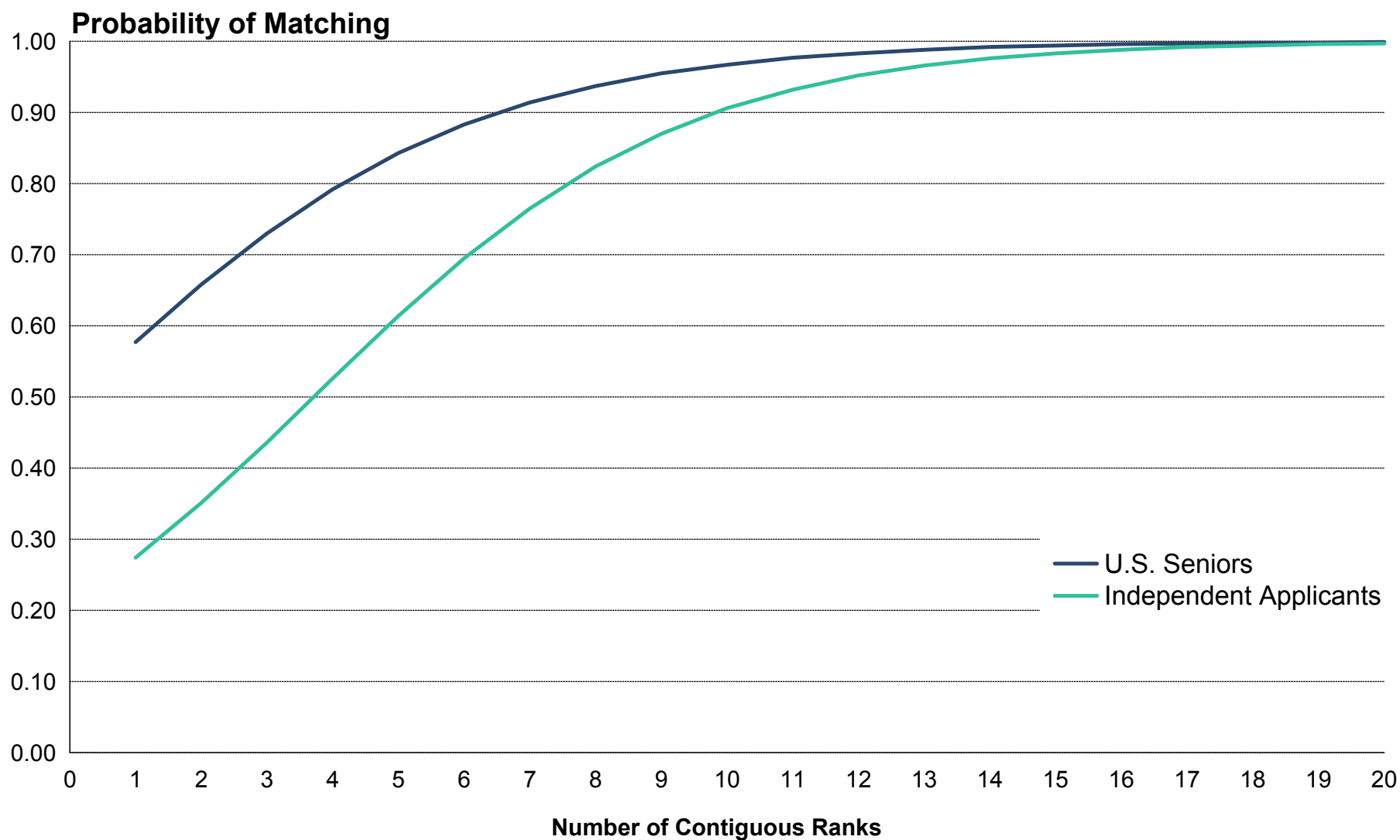
Independent Applicants



Source: NRMP Data Warehouse

Probability of Matching to Preferred Specialty by Number of Contiguous Ranks

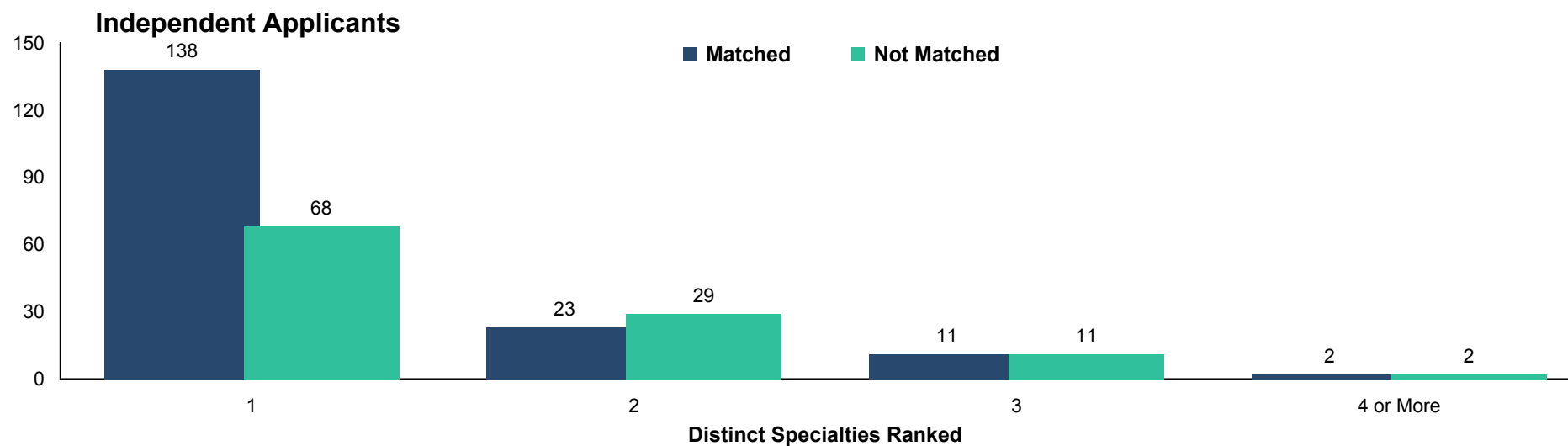
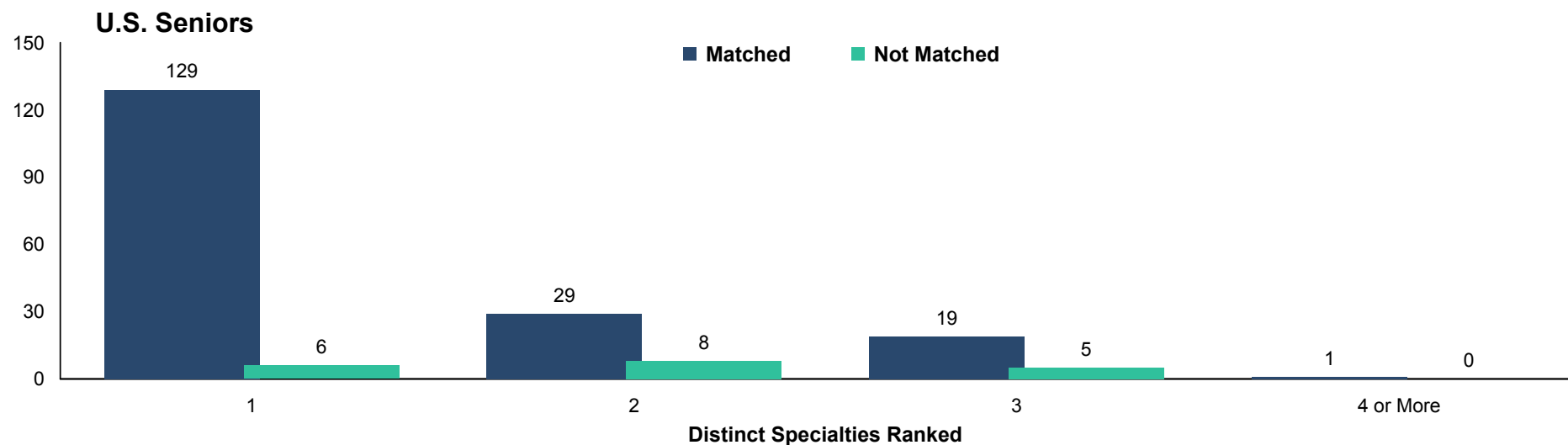
Physical Medicine and Rehabilitation



Source: NRMP Data Warehouse. Note: Probabilities calculated based on 2009-2011 applicants

**Chart
PM-2**

Number of Distinct Specialties Ranked *Physical Medicine and Rehabilitation*

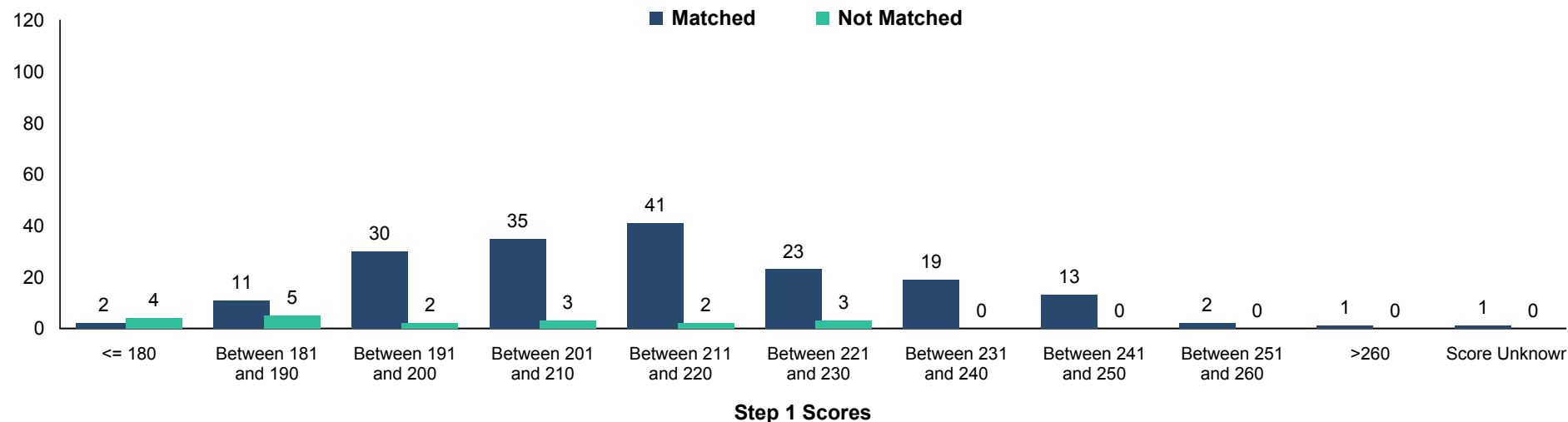


Source: NRMP Data Warehouse

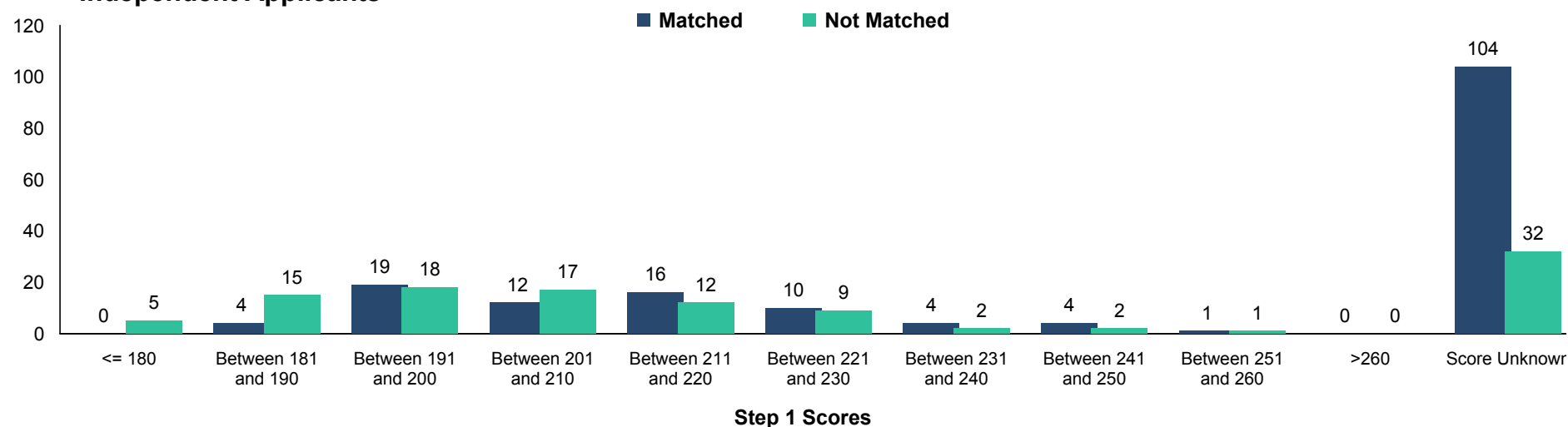
Chart PM-3

USMLE Step 1 Scores *Physical Medicine and Rehabilitation*

U.S. Seniors

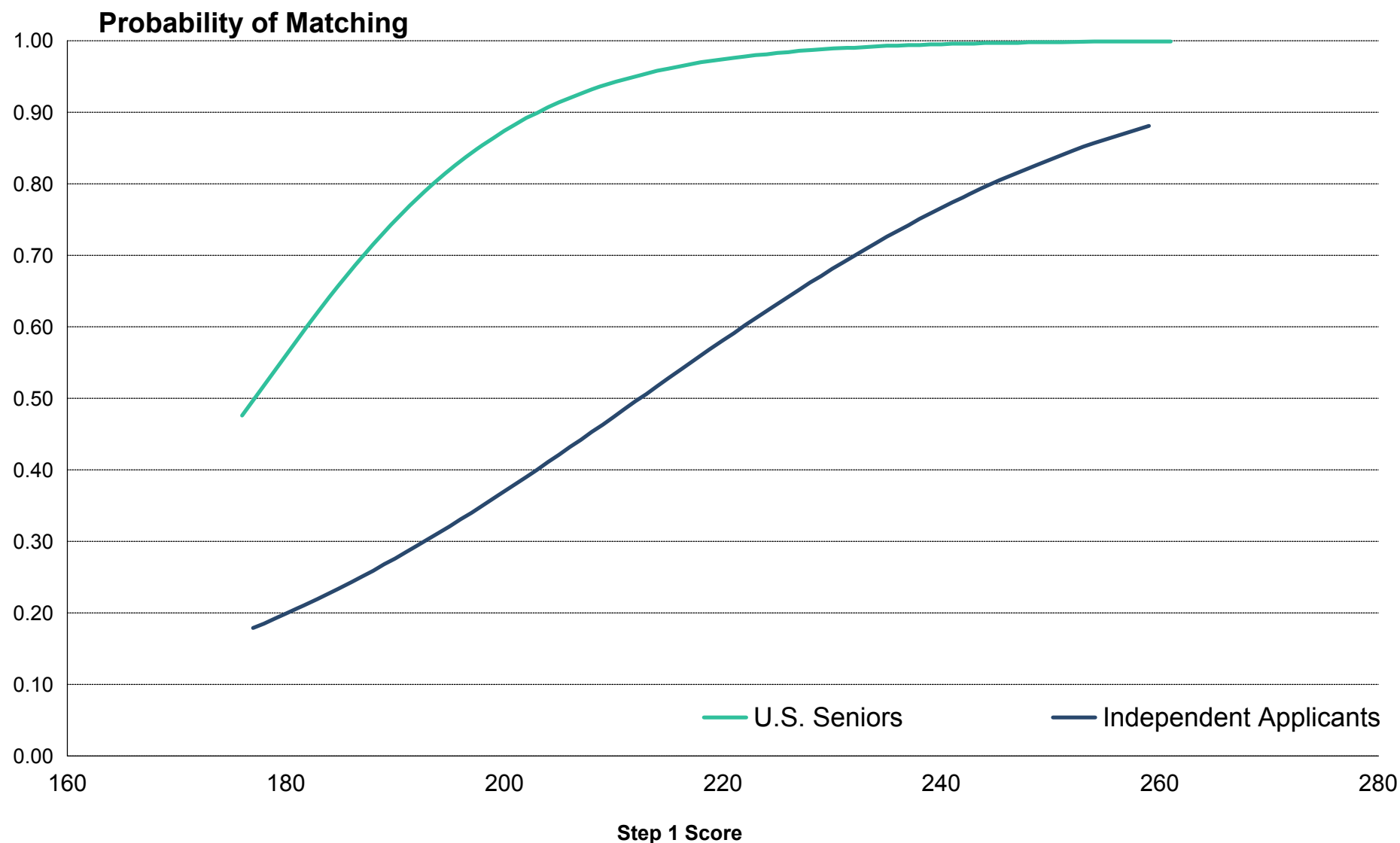


Independent Applicants



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

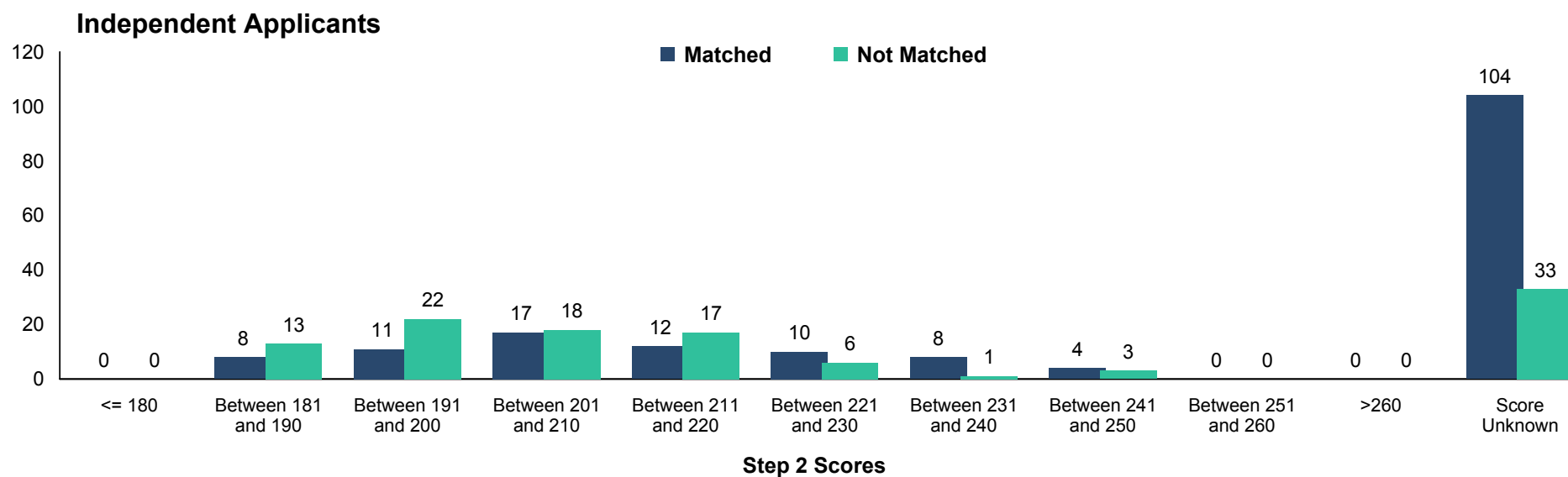
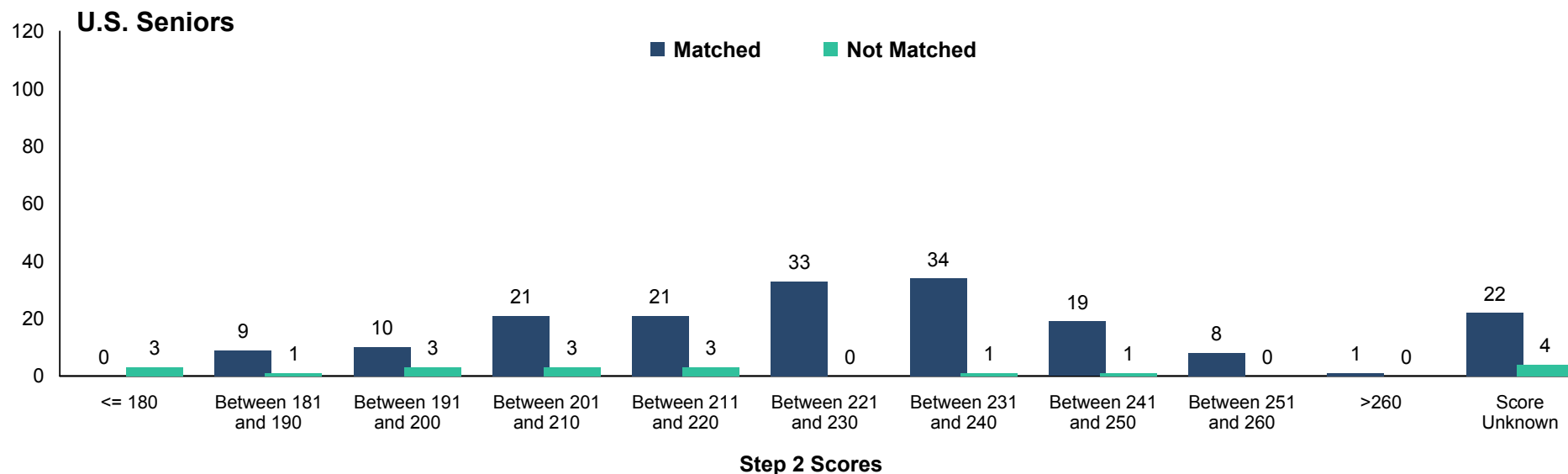
Probability of Matching to Preferred Specialty by USMLE Step 1 Score Physical Medicine and Rehabilitation



Source: NRMP Data Warehouse and AAMC Data Warehouse. USMLE scores by permission of the NBME and ECFMG. Note: Probabilities calculated based on 2009-2011 applicants.

Chart PM-4

USMLE Step 2 Scores *Physical Medicine and Rehabilitation*

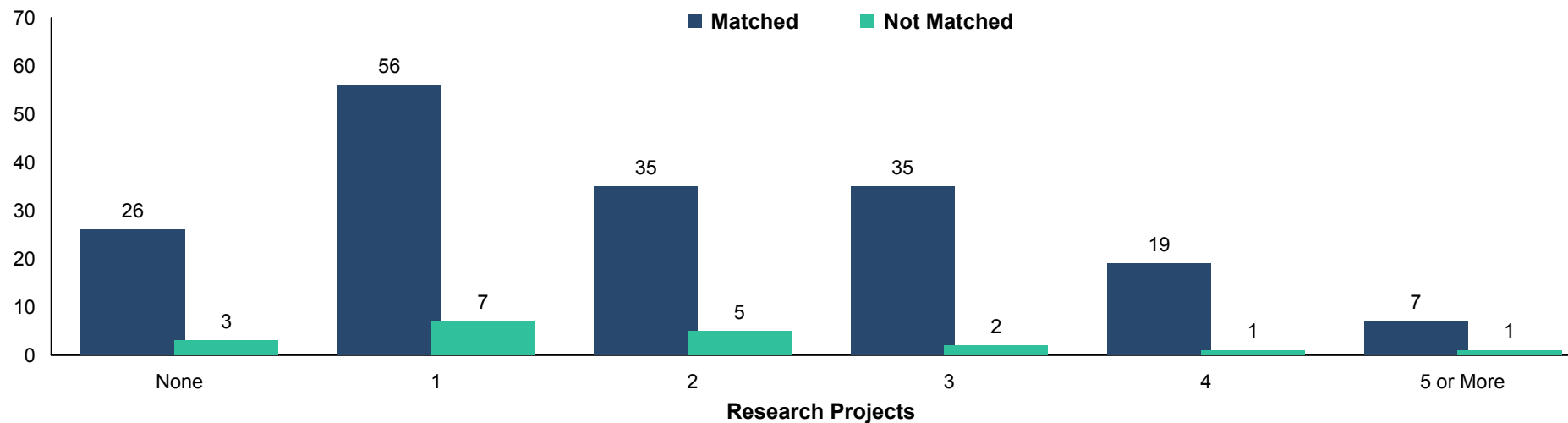


Source: NRMP Data Warehouse and AAMC Data Warehouse. USMLE scores by permission of the NBME and ECFMG.

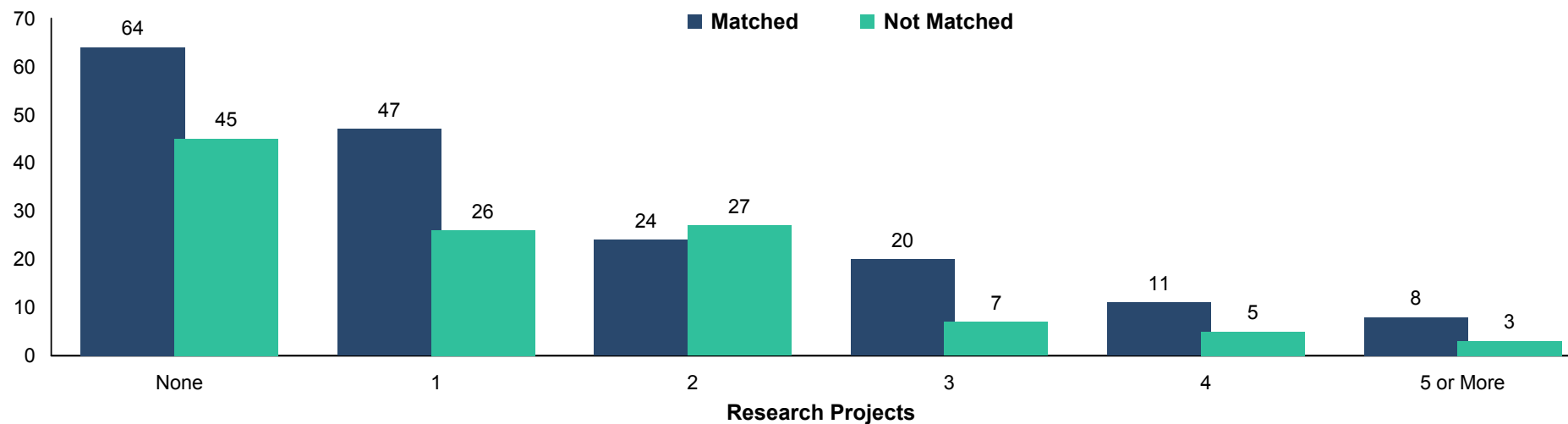
**Chart
PM-5**

Number of Research Projects *Physical Medicine and Rehabilitation*

U.S. Seniors



Independent Applicants

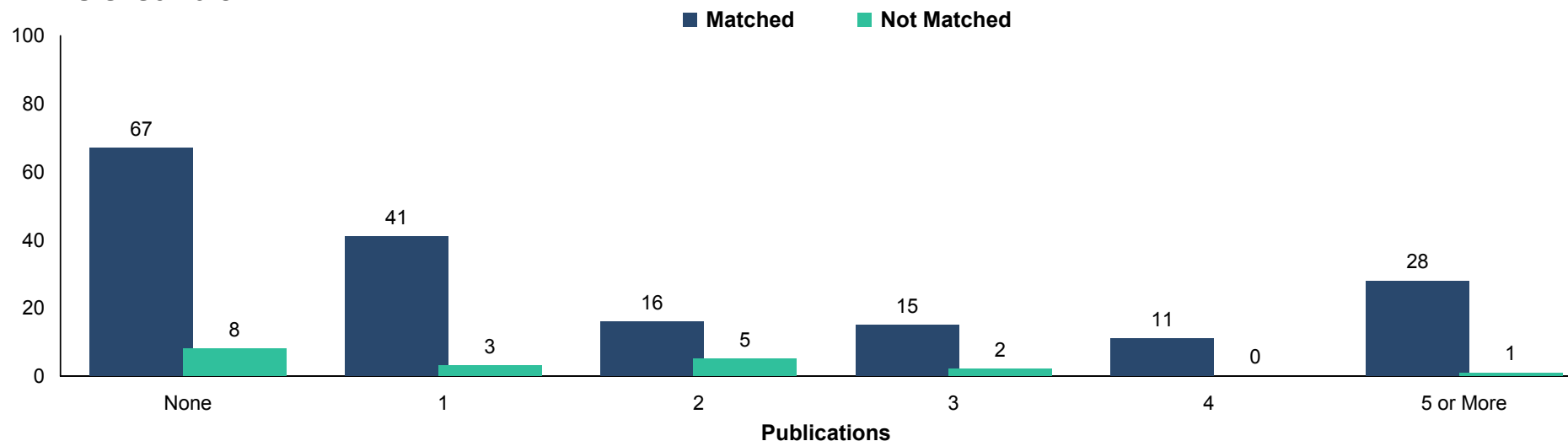


Source: NRMP Data Warehouse and AAMC Data Warehouse

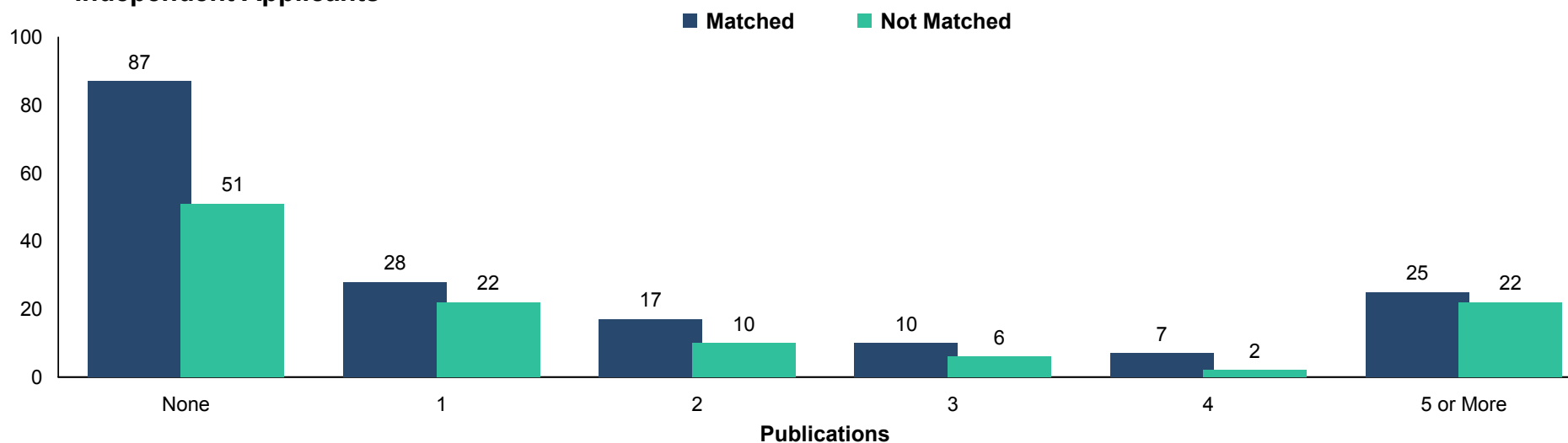
**Chart
PM-6**

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

U.S. Seniors



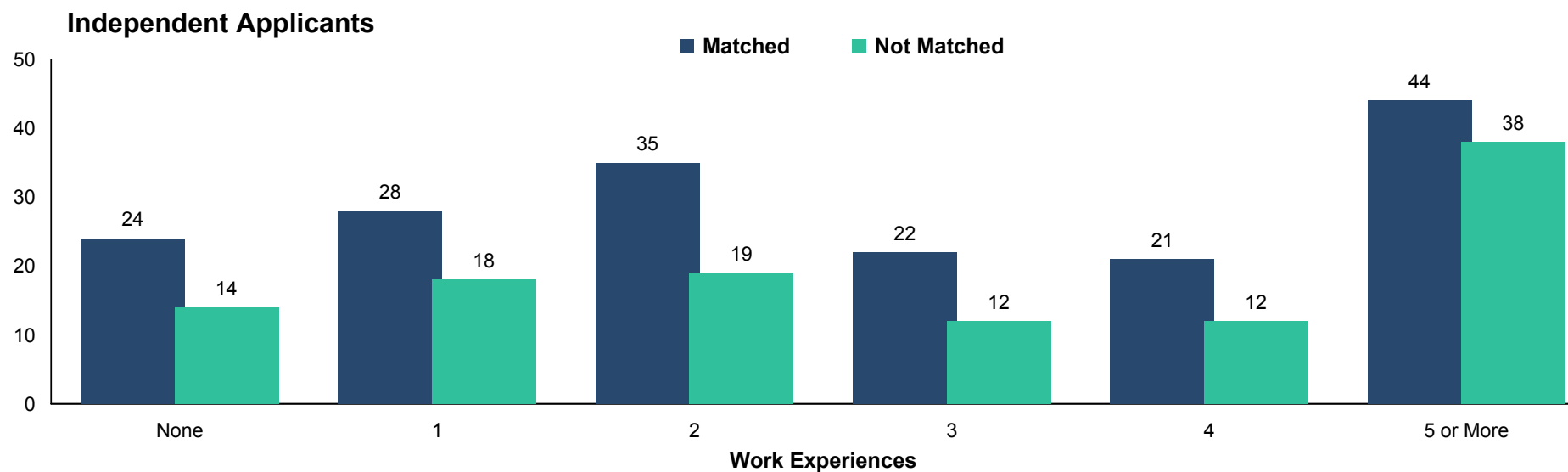
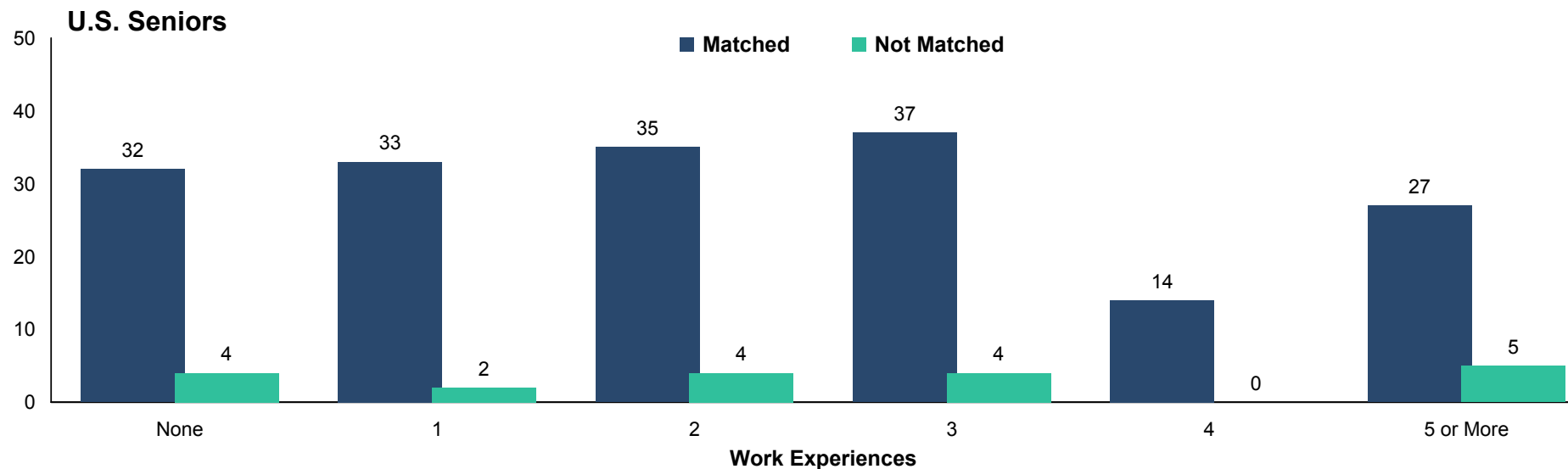
Independent Applicants



Source: NRMP Data Warehouse and AAMC Data Warehouse

**Chart
PM-7**

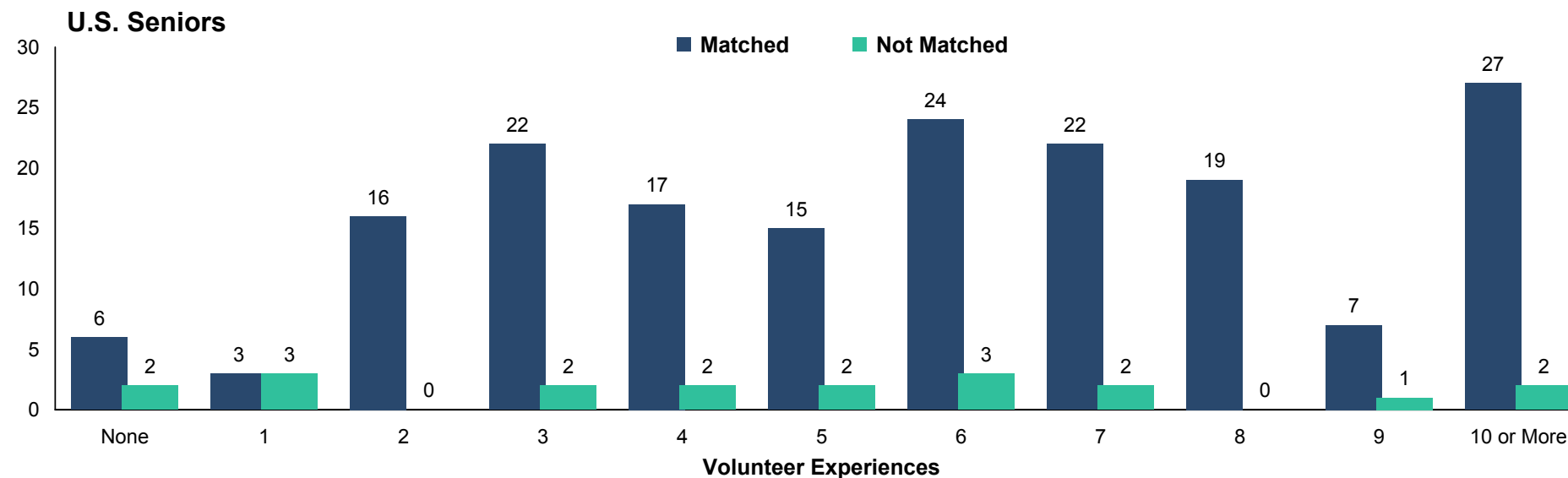
Number of Work Experiences
Physical Medicine and Rehabilitation



Source: NRMP Data Warehouse and AAMC Data Warehouse

Chart PM-8

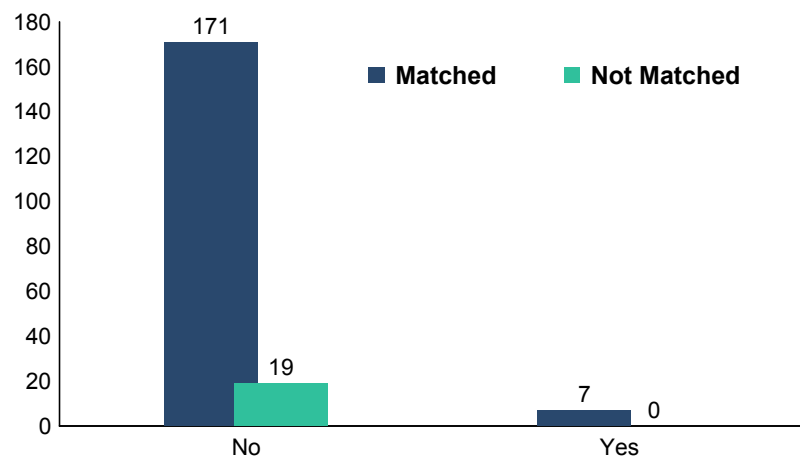
Number of Volunteer Experiences *Physical Medicine and Rehabilitation*



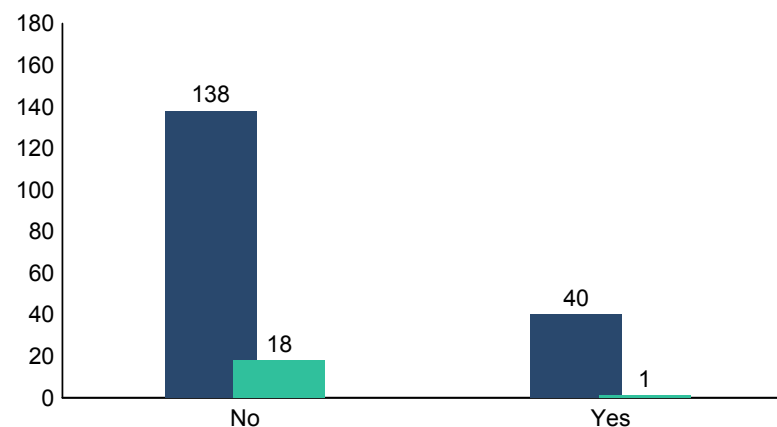
Source: NRMP Data Warehouse and AAMC Data Warehouse

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

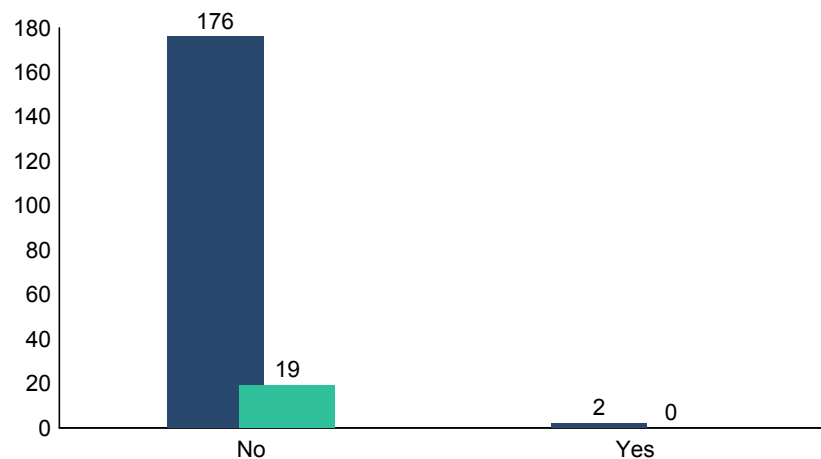
AOA Membership



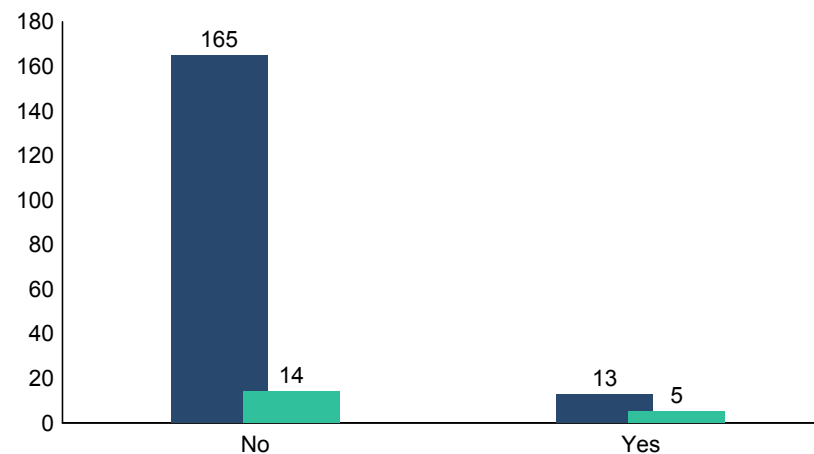
Graduate of One of the 40 U.S. Medical Schools with the Highest NIH Funding



Ph.D. Degree



Other Graduate Degree



Source: 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

PS Plastic Surgery

Measure	U.S. Seniors		Independent Applicants	
	Matched (n=74)	Unmatched (n=94)	Matched (n=7)	Unmatched (n=22)
1. Mean number of contiguous ranks	10.7 ^r	6.5 ^r	3.3 ^r	4.3 ^r
2. Mean number of distinct specialties ranked	2.3	2.6	2.3	2.3
3. Mean USMLE Step 1 score	249	238	221	226
4. Mean USMLE Step 2 score	249	242	223	225
5. Mean number of research experiences	3.8	3.7	3.9	2.6
6. Mean number of abstracts, presentations, and publications	8.1	6.1	12.7	10.6
7. Mean number of work experiences	2.3	2.8	1.7	3.9
8. Mean number of volunteer experiences	7.1	6.3	4.1	4.1
9. Percentage who are AOA members	45.9	27.7	n/a	n/a
10. Percentage who graduated from one of the 40 U.S. medical schools with the highest NIH funding	52.7	35.1	n/a	n/a
11. Percentage who have Ph.D. degree	6.8	3.2	n/a	n/a
12. Percentage who have another graduate degree	5.4	7.4	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.

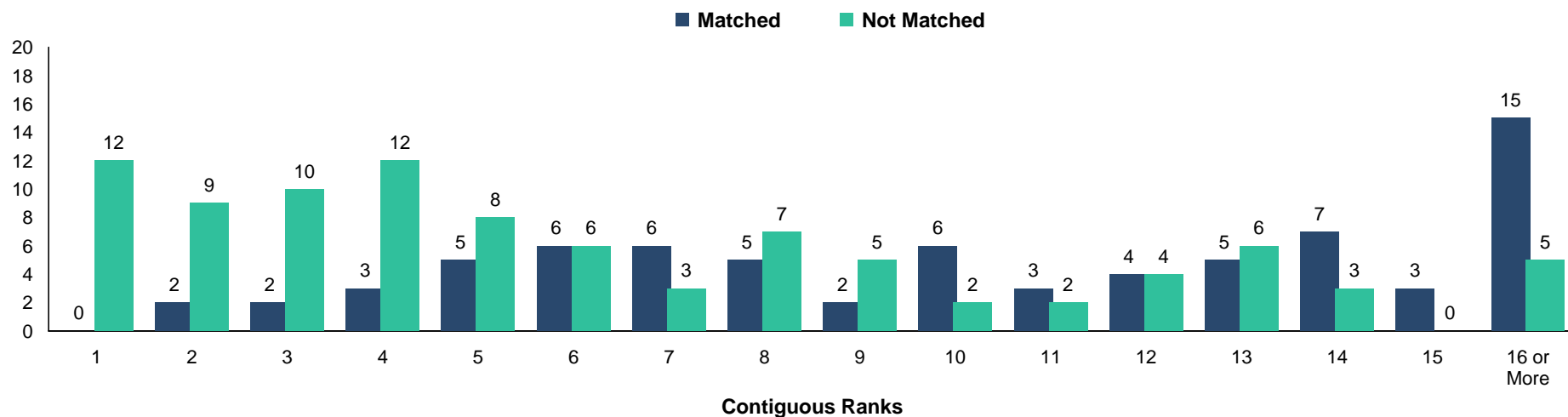
r: Revised

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.

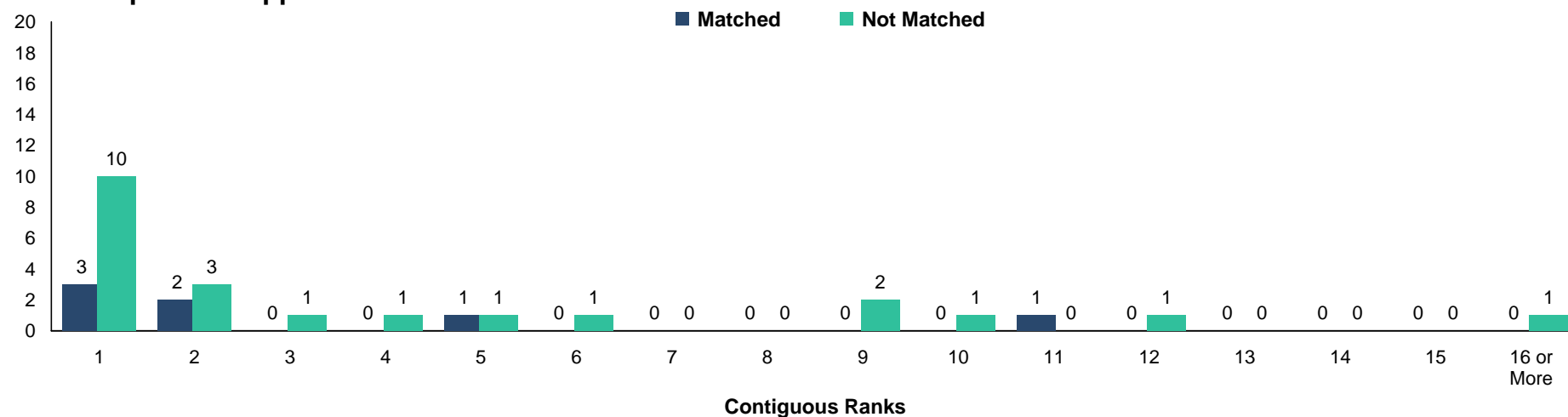
**Chart
PS-1**

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

U.S. Seniors



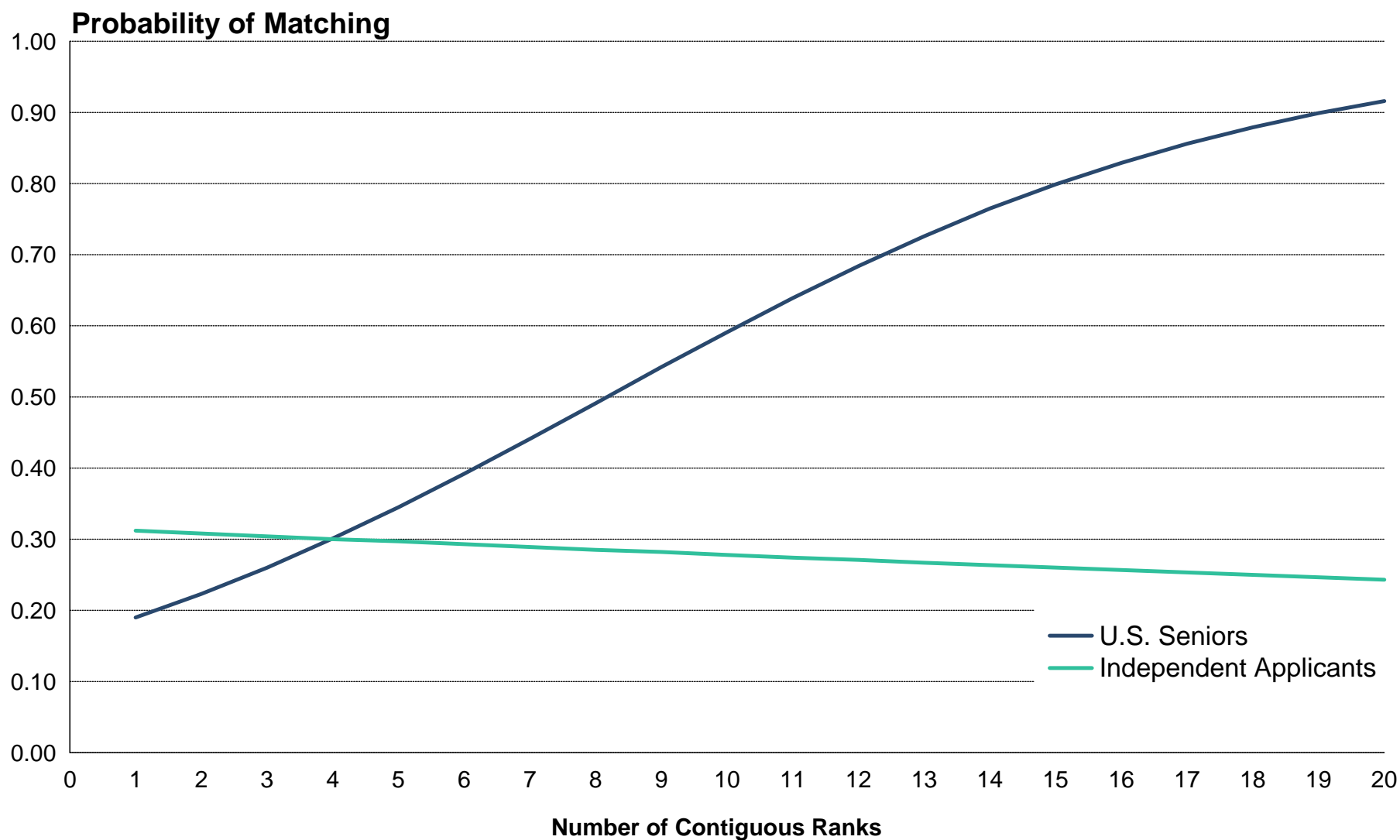
Independent Applicants



^r: Revised

Source: NRMP Data Warehouse

Probability of Matching to Preferred Specialty by Number of Contiguous Ranks *Plastic Surgery*^r



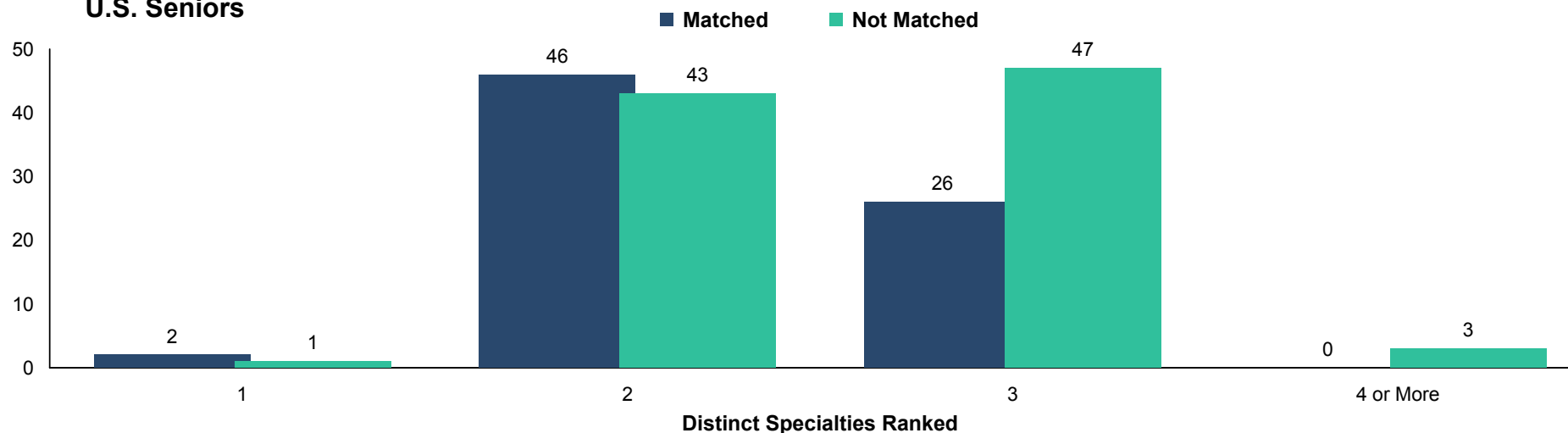
r: Revised

Source: NRMP Data Warehouse. Note: Probabilities calculated based on 2009-2011 applicants

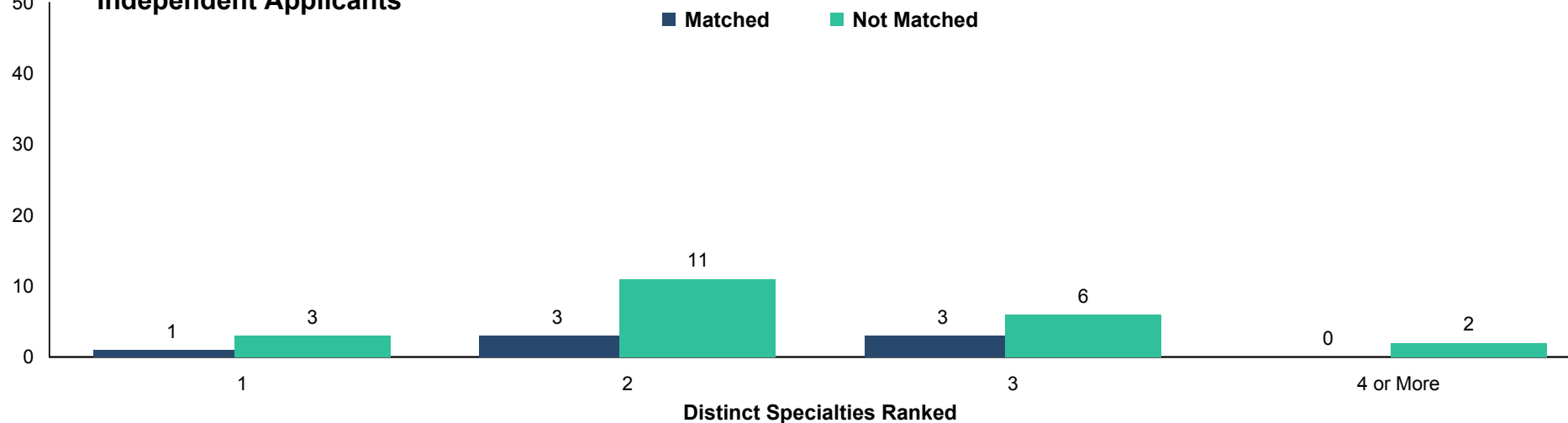
**Chart
PS-2**

Number of Distinct Specialties Ranked *Plastic Surgery*

U.S. Seniors



Independent Applicants

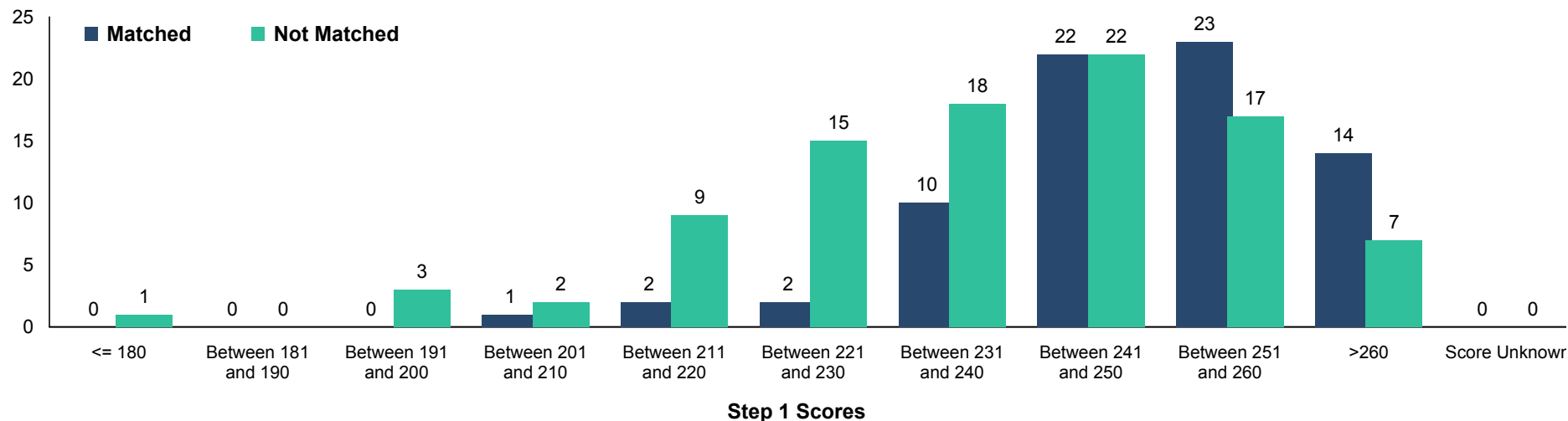


Source: NRMP Data Warehouse

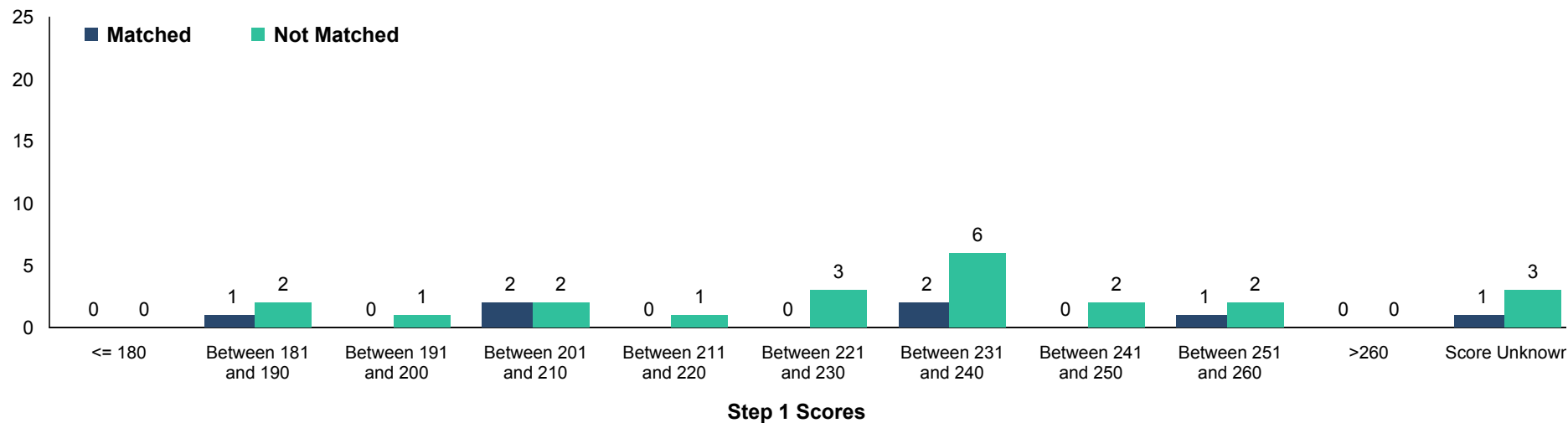
Chart PS-3

USMLE Step 1 Scores *Plastic Surgery*

U.S. Seniors

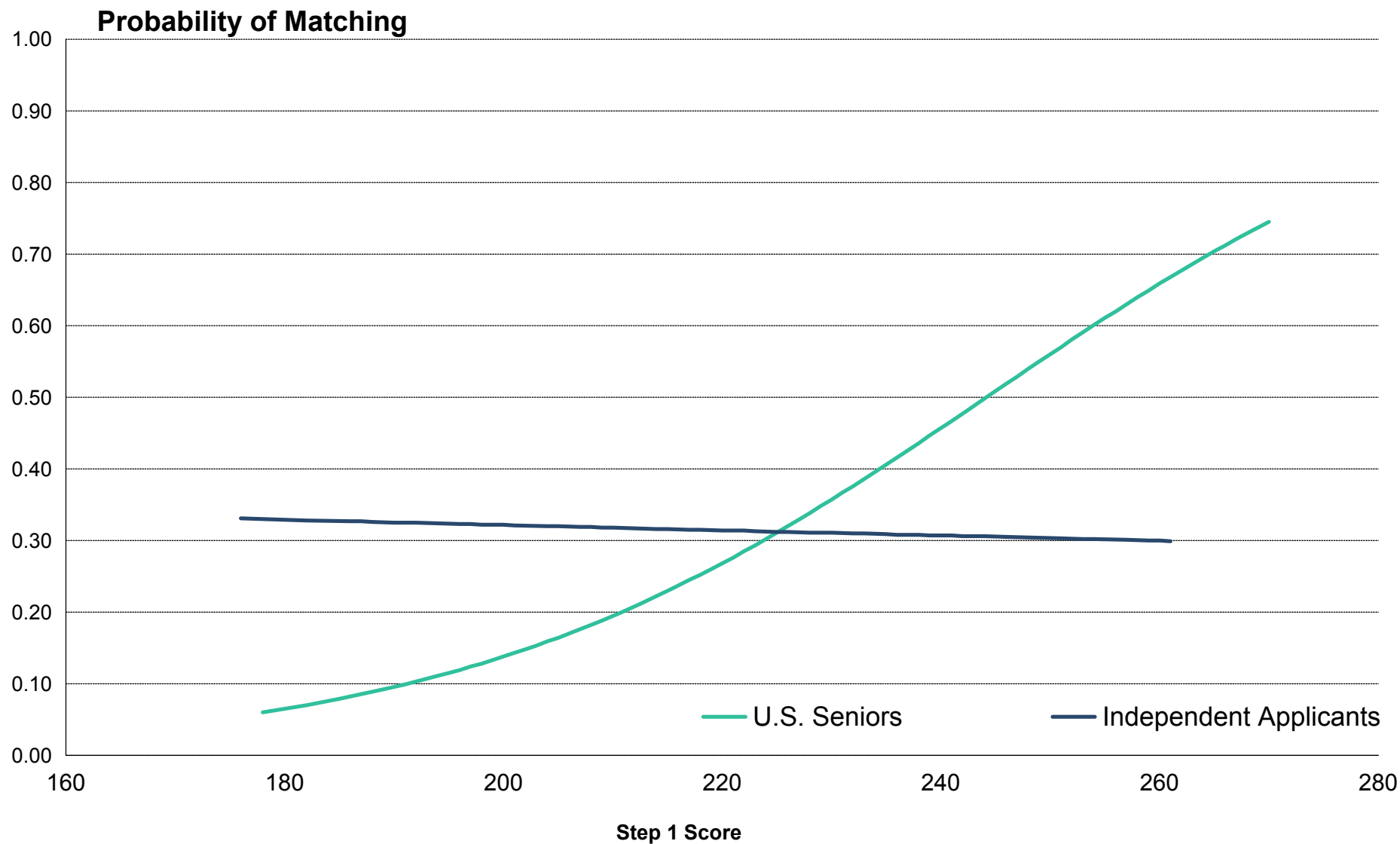


Independent Applicants



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*

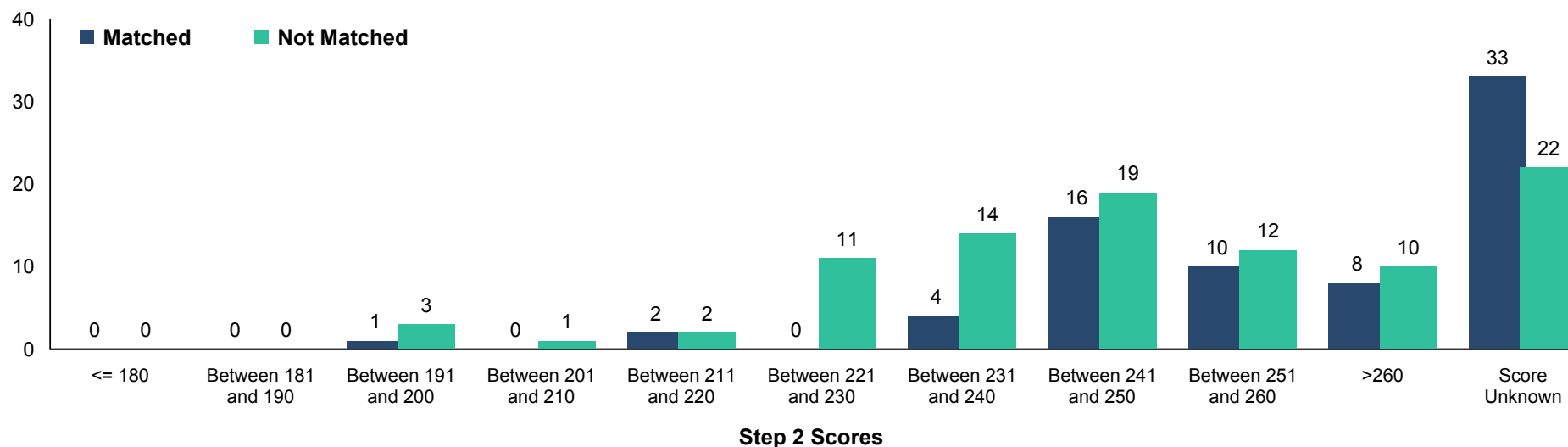


Source: NRMP Data Warehouse and AAMC Data Warehouse. USMLE scores by permission of the NBME and ECFMG. Note: Probabilities calculated based on 2009-2011 applicants.

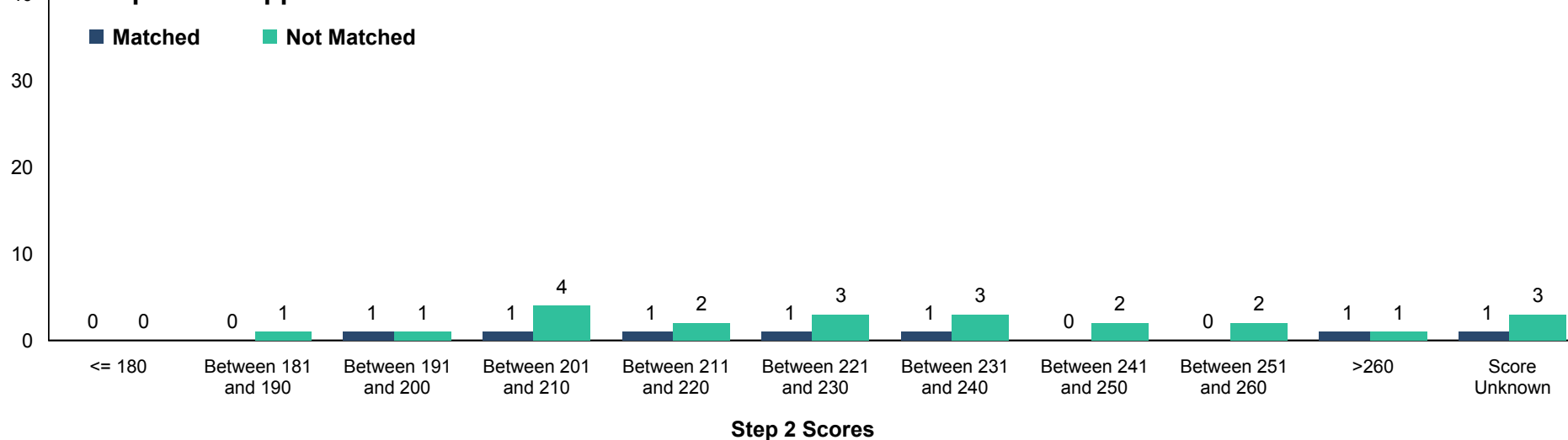
Chart PS-4

USMLE Step 2 Scores *Plastic Surgery*

U.S. Seniors



Independent Applicants

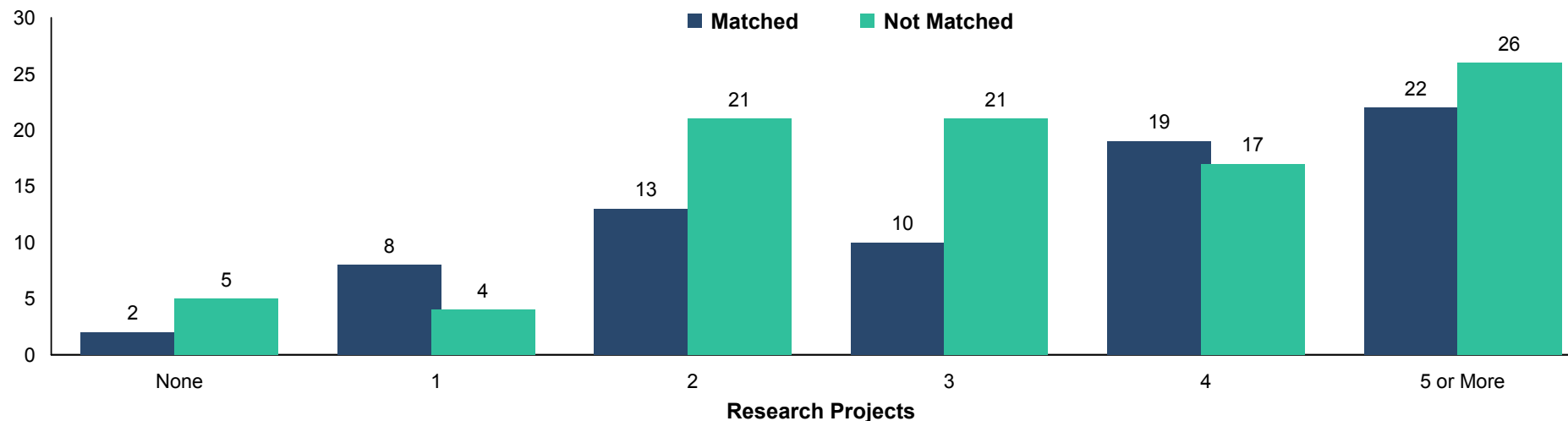


Source: NRMP Data Warehouse and AAMC Data Warehouse. USMLE scores by permission of the NBME and ECFMG.

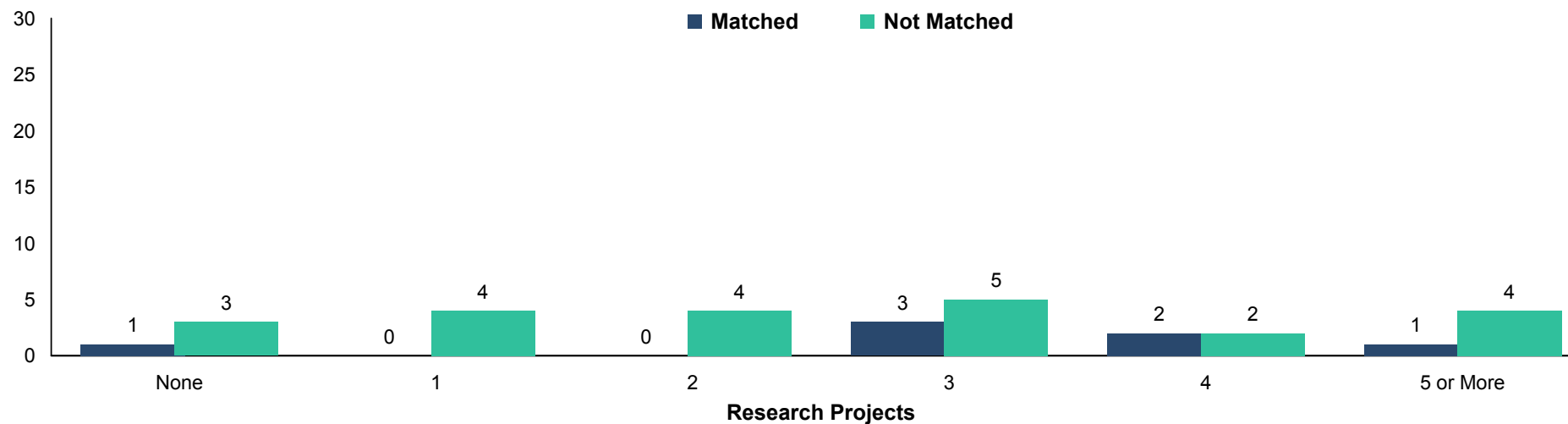
**Chart
PS-5**

Number of Research Projects Plastic Surgery

U.S. Seniors



Independent Applicants

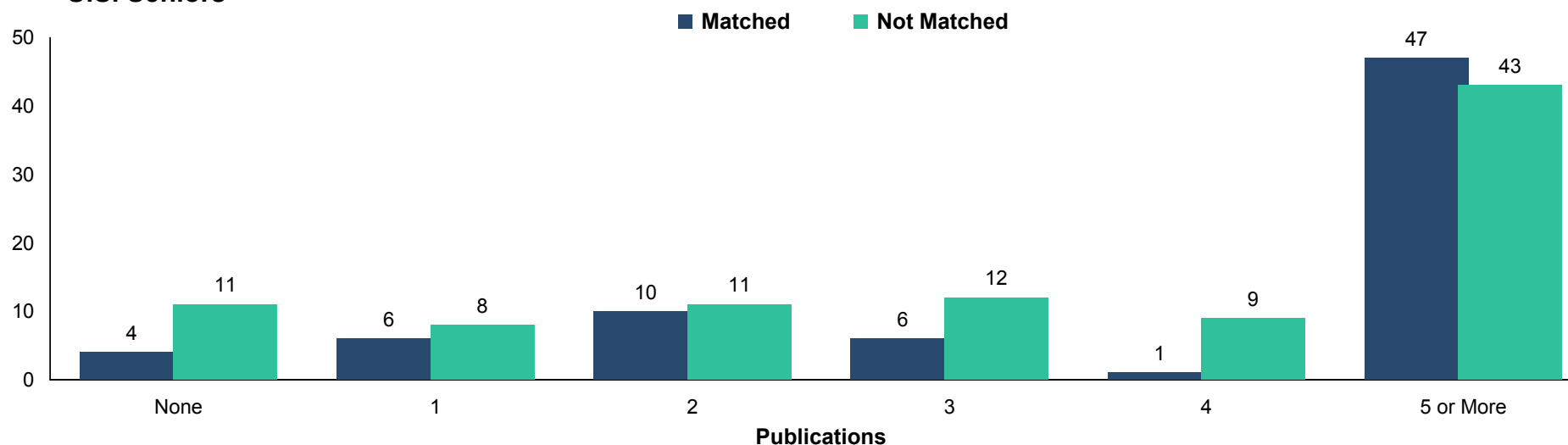


Source: NRMP Data Warehouse and AAMC Data Warehouse

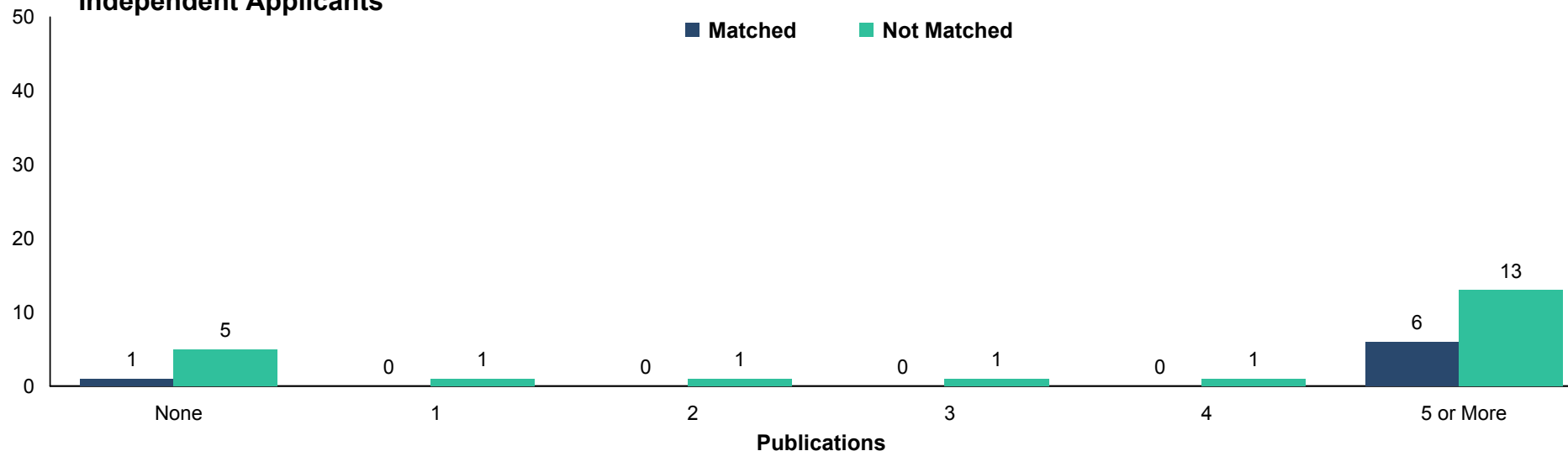
**Chart
PS-6**

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

U.S. Seniors



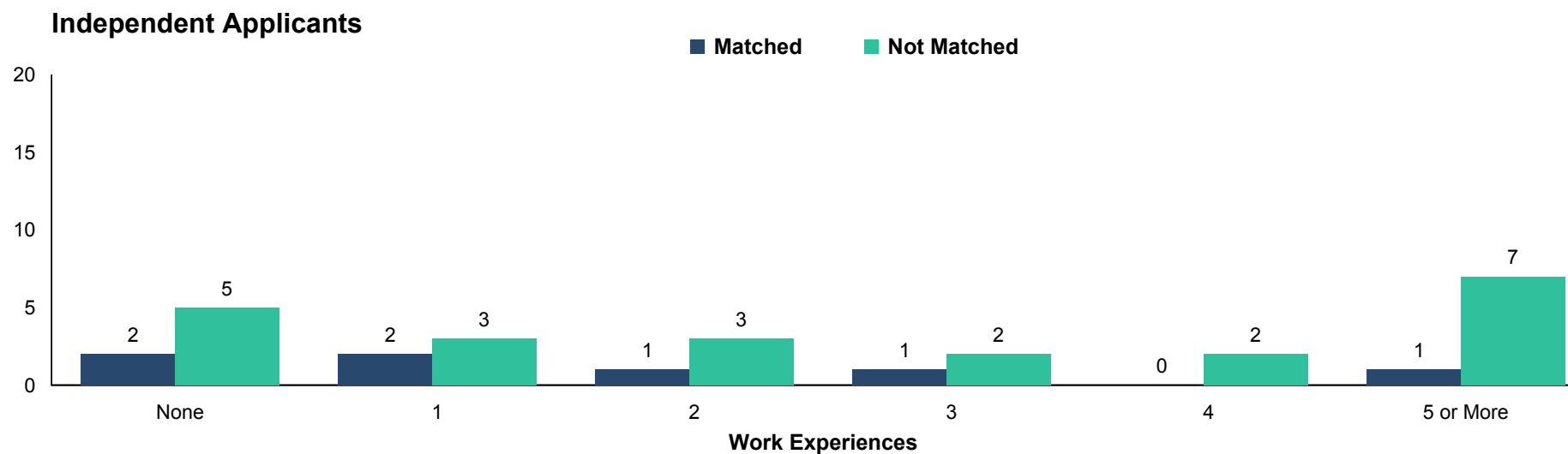
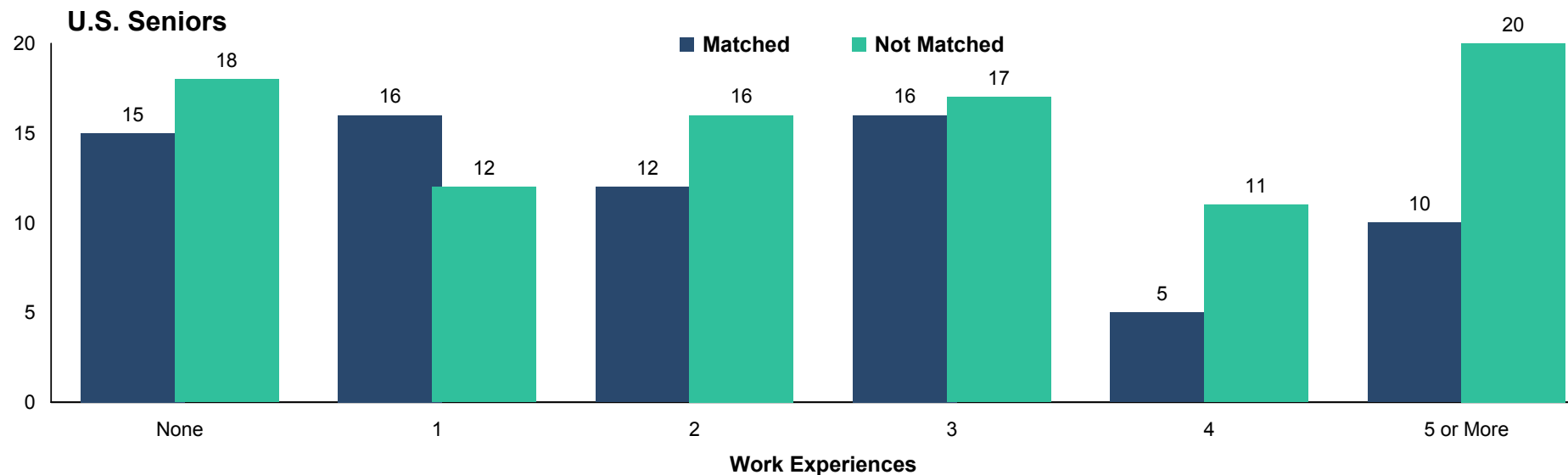
Independent Applicants



Source: NRMP Data Warehouse and AAMC Data Warehouse

**Chart
PS-7**

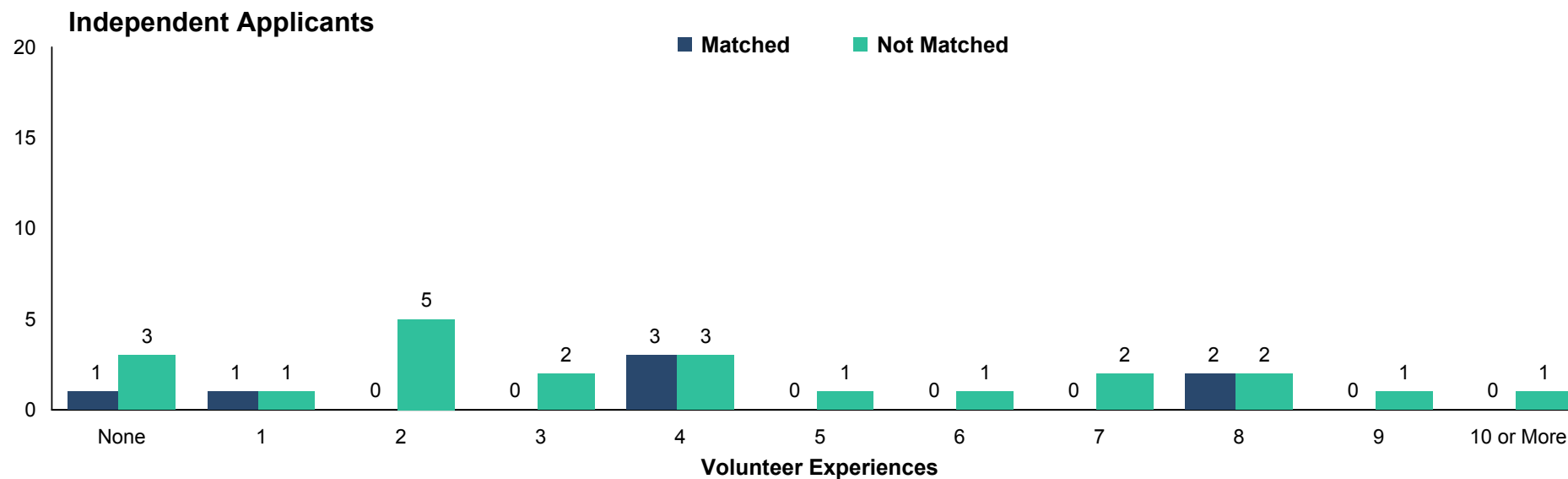
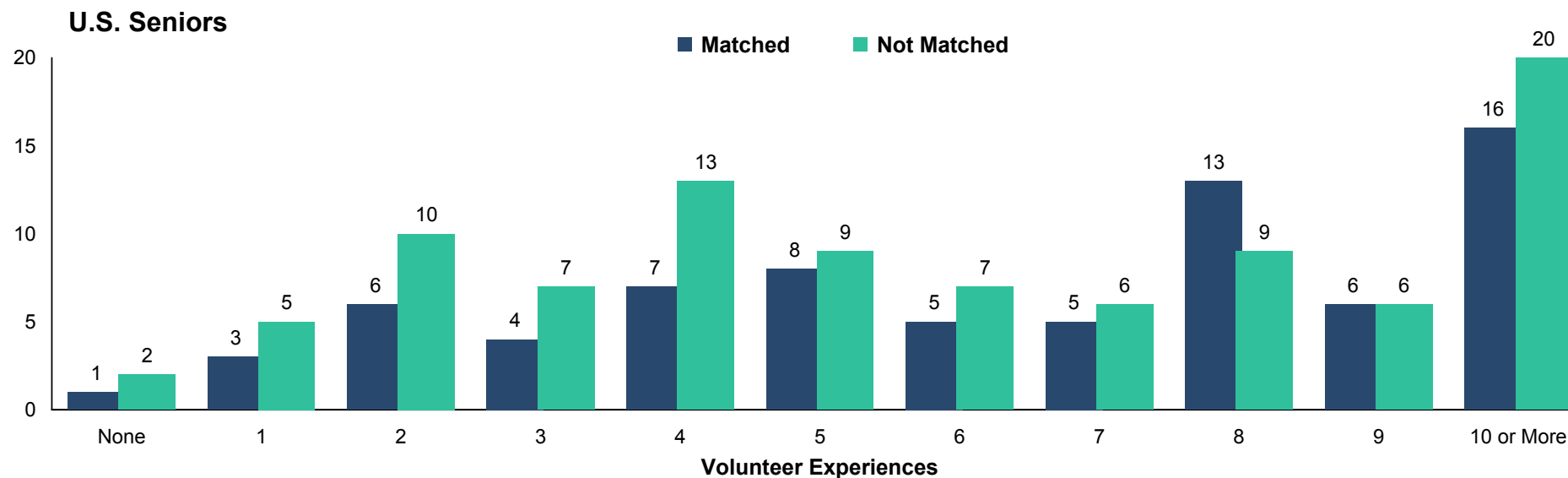
Number of Work Experiences *Plastic Surgery*



Source: NRMP Data Warehouse and AAMC Data Warehouse

Chart PS-8

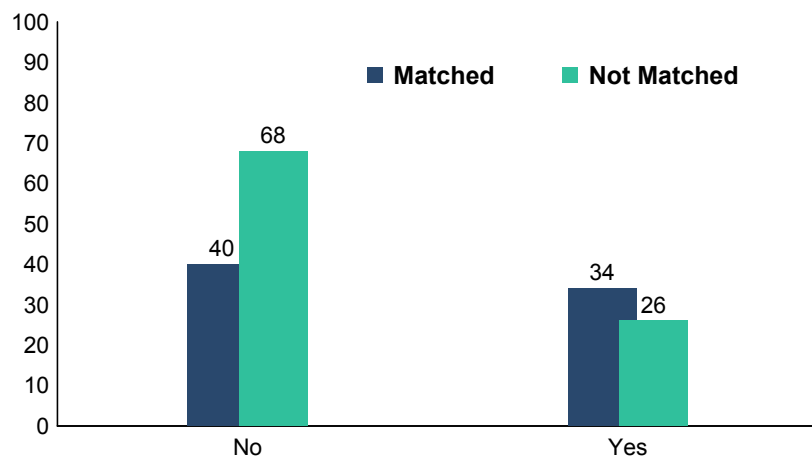
Number of Volunteer Experiences *Plastic Surgery*



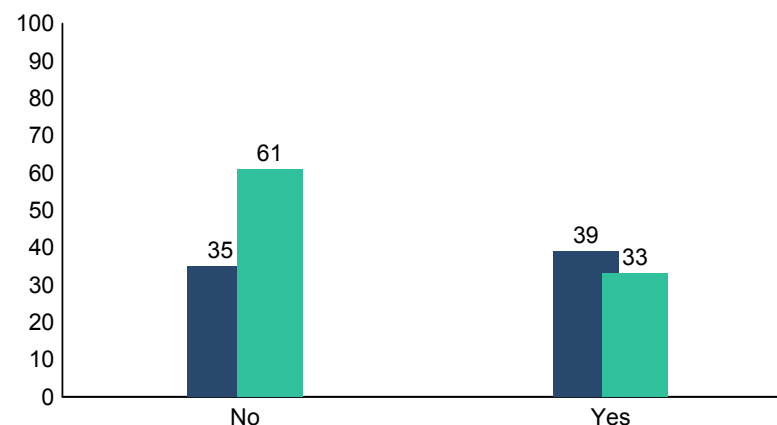
Source: NRMP Data Warehouse and AAMC Data Warehouse

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

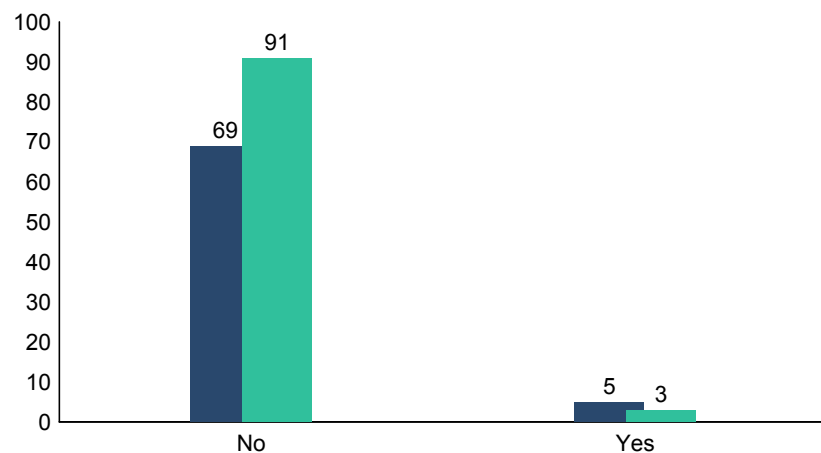
AOA Membership



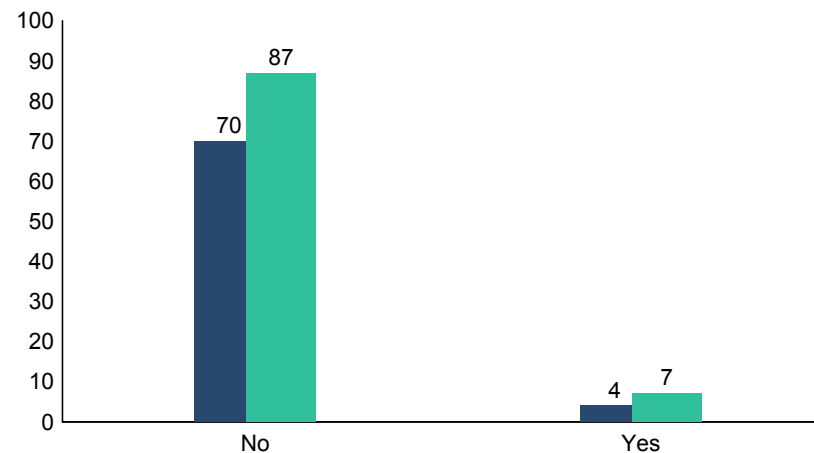
Graduate of One of the 40 U.S. Medical Schools with the Highest NIH Funding



Ph.D. Degree



Other Graduate Degree



Source: 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

P

Psychiatry

Measure	U.S. Seniors		Independent Applicants	
	Matched (n=630)	Unmatched (n=28)	Matched (n=402)	Unmatched (n=537)
1. Mean number of contiguous ranks	8.5	4.1	5.9	2.7
2. Mean number of distinct specialties ranked	1.1	1.4	1.3	1.3
3. Mean USMLE Step 1 score	214	198	209	200
4. Mean USMLE Step 2 score	225	200	211	203
5. Mean number of research experiences	2.1	1.6	1.5	1.4
6. Mean number of abstracts, presentations, and publications	3.0	2.3	2.5	2.6
7. Mean number of work experiences	2.7	2.3	3.6	4.3
8. Mean number of volunteer experiences	5.9	4.5	3.8	2.6
9. Percentage who are AOA members	4.6	0.0	n/a	n/a
10. Percentage who graduated from one of the 40 U.S. medical schools with the highest NIH funding	35.1	25.0	n/a	n/a
11. Percentage who have Ph.D. degree	5.1	0.0	n/a	n/a
12. Percentage who have another graduate degree	13.2	10.7	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.

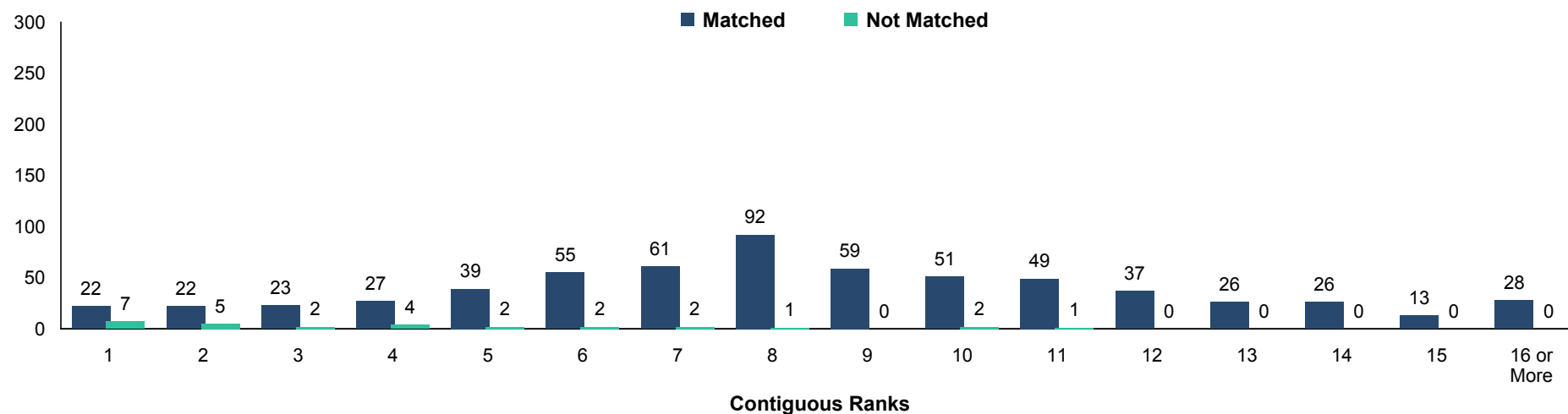
Sources: Measures 1, 2, and match outcome are from the NRMP Data Warehouse; measures 3 and 4 are from the AAMC Data Warehouse and from the ECFMG, both by permission of the NBME and ECFMG; measures 5-9 are from the AAMC Data Warehouse; measure 10 is from the NIH website (<http://report.nih.gov/award/trends/AggregateDate.cfm> 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 20 percent of U.S. allopathic medical school seniors do not take the USMLE Step 2 prior to the Match.

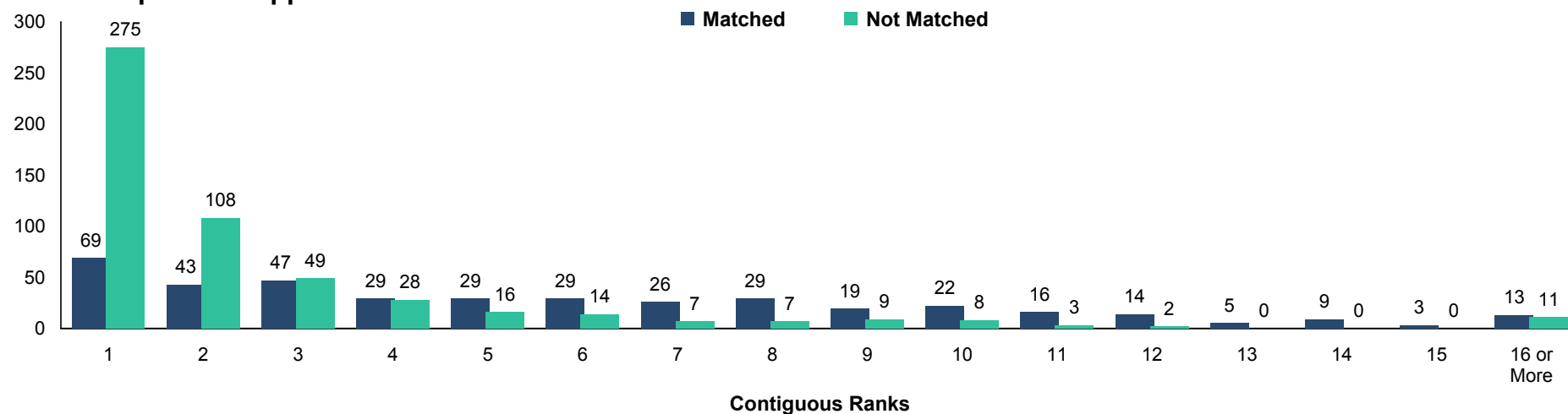
**Chart
P-1**

Number of Contiguous Ranks Within Preferred Specialty *Psychiatry*

U.S. Seniors

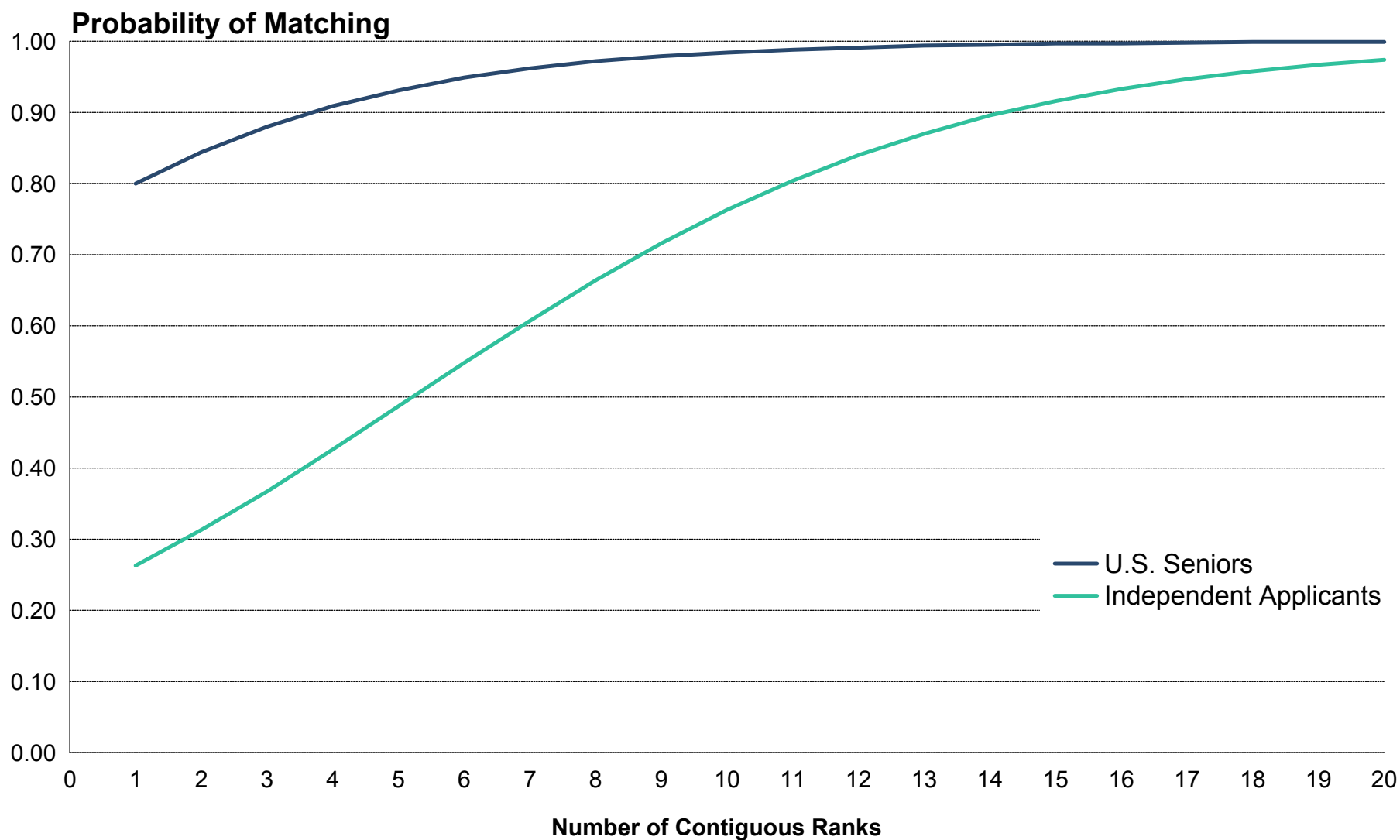


Independent Applicants



Source: NRMP Data Warehouse

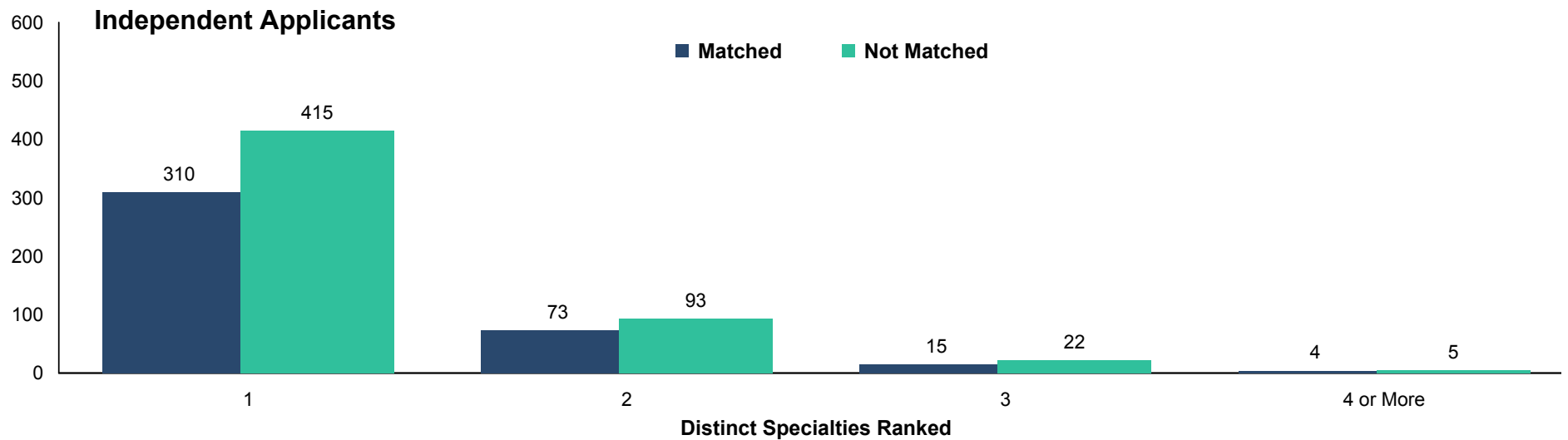
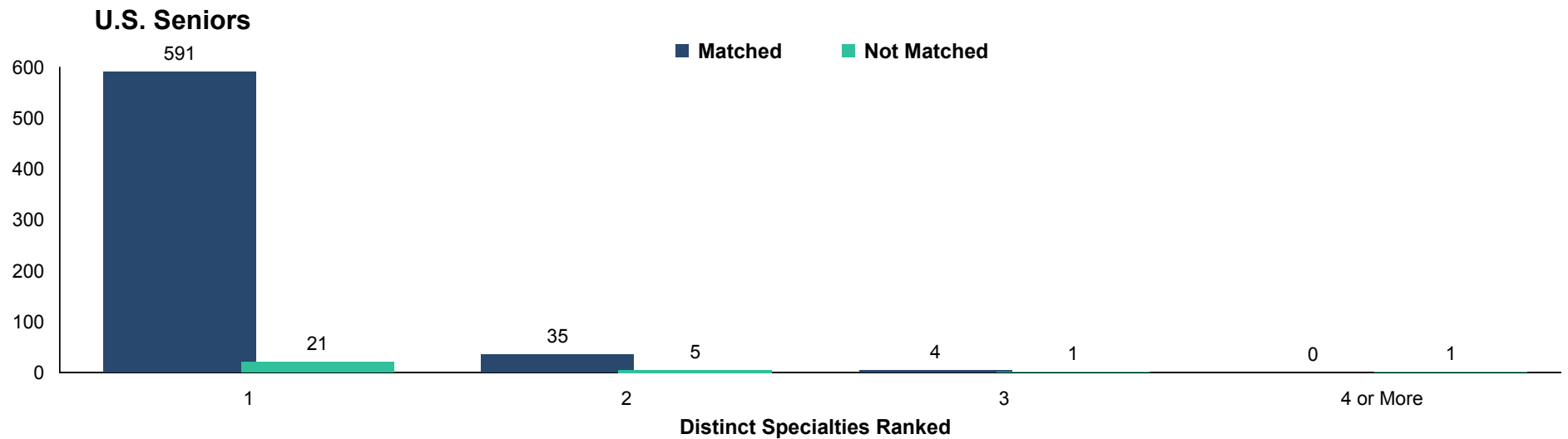
Probability of Matching to Preferred Specialty by Number of Contiguous Ranks *Psychiatry*



Source: NRMP Data Warehouse. Note: Probabilities calculated based on 2009-2011 applicants

**Chart
P-2**

Number of Distinct Specialties Ranked *Psychiatry*

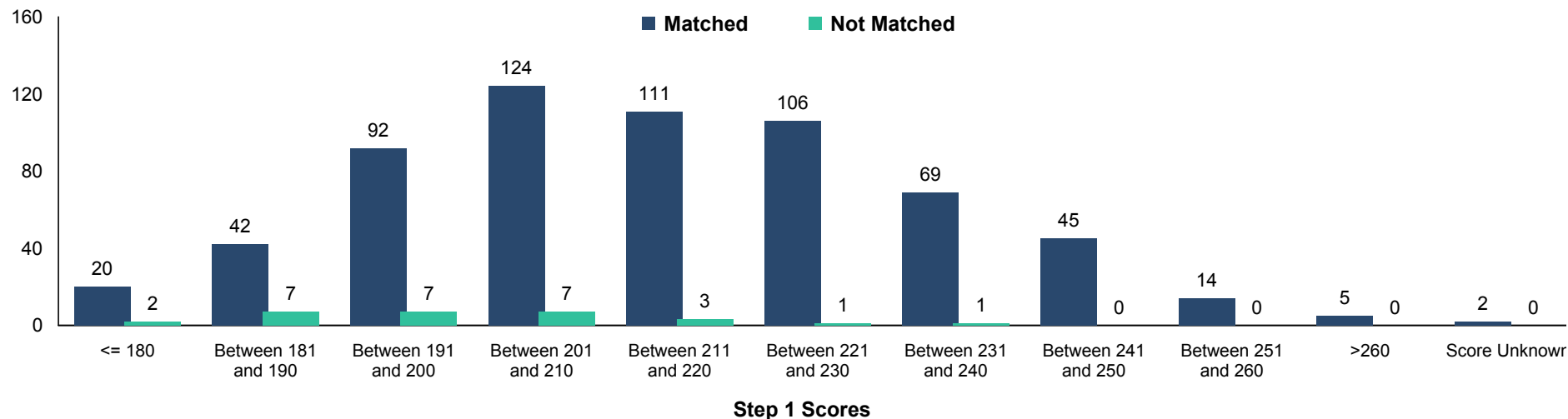


Source: NRMP Data Warehouse

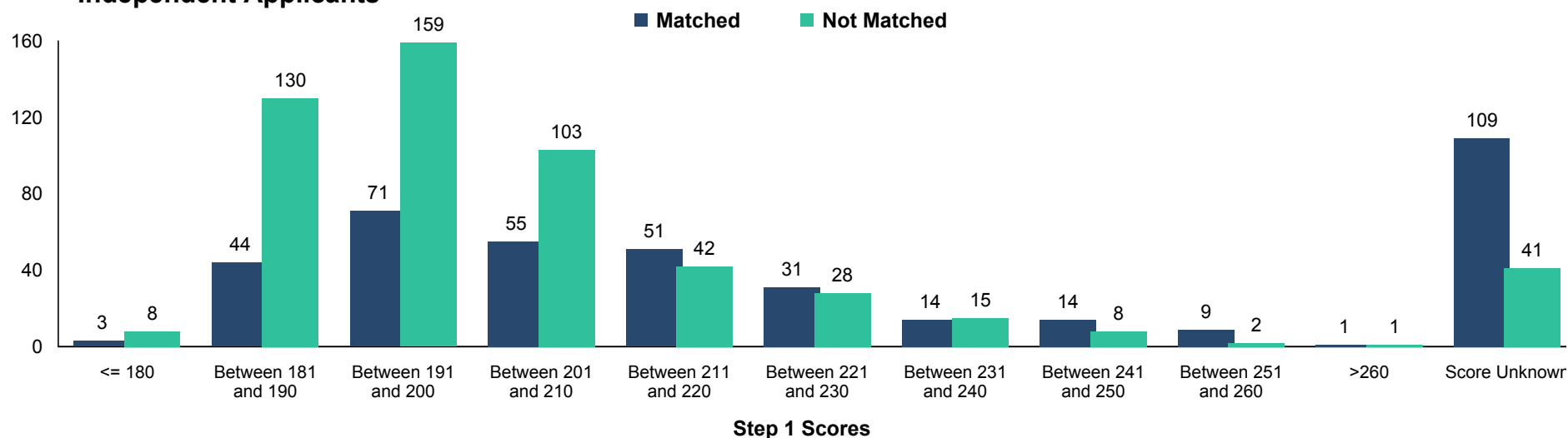
Chart P-3

USMLE Step 1 Scores Psychiatry

U.S. Seniors

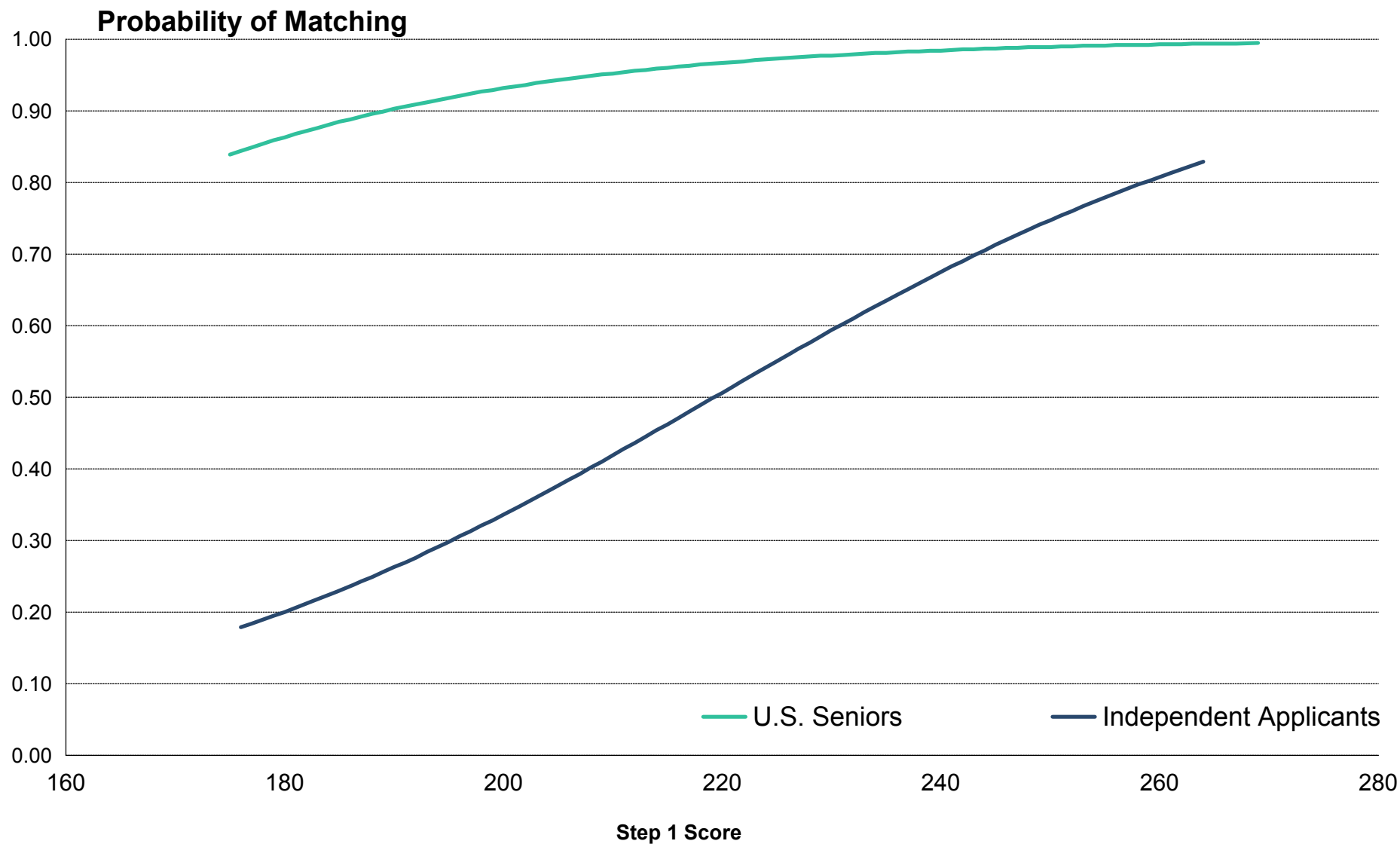


Independent Applicants



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

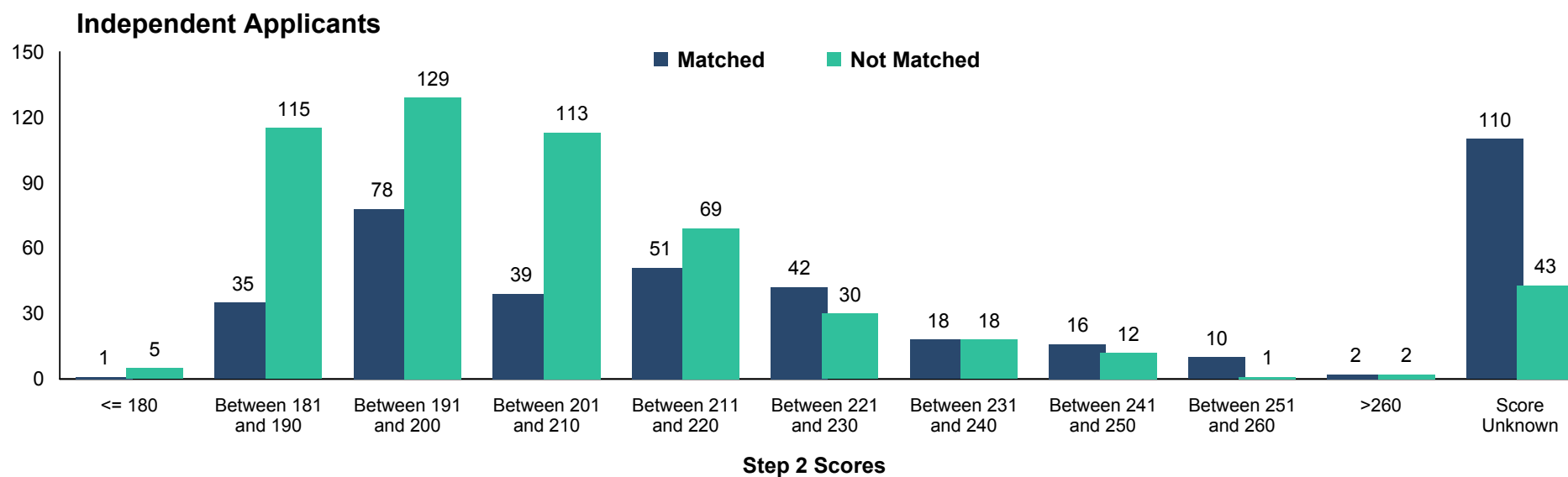
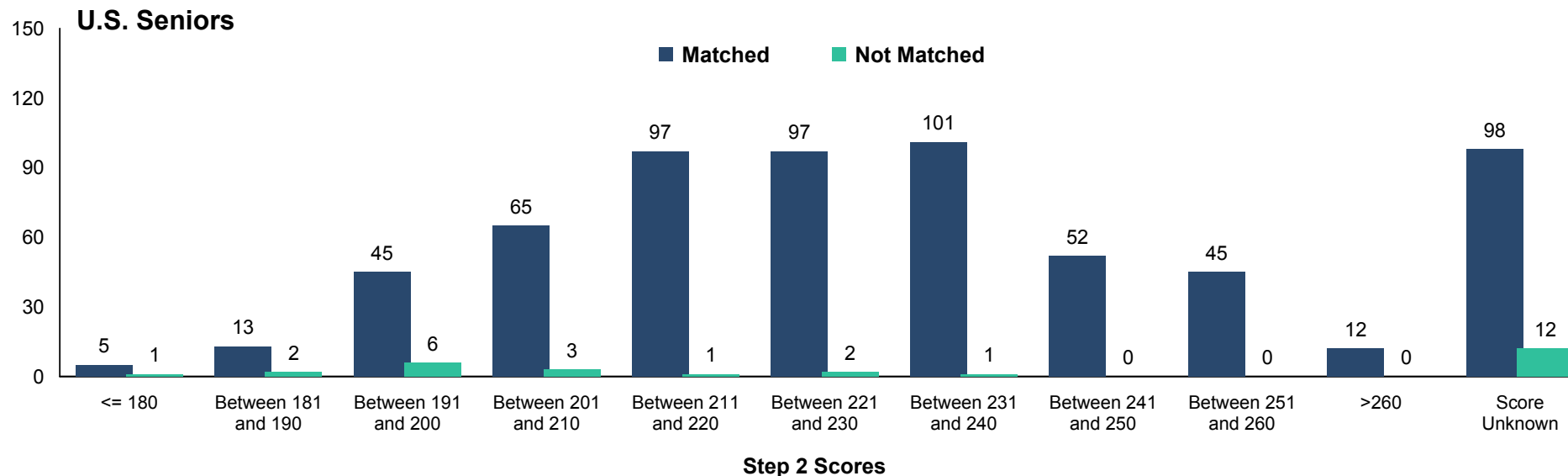
Probability of Matching to Preferred Specialty by USMLE Step 1 Score Psychiatry



Source: NRMP Data Warehouse and AAMC Data Warehouse. USMLE scores by permission of the NBME and ECFMG. Note: Probabilities calculated based on 2009-2011 applicants.

**Chart
P-4**

**USMLE Step 2 Scores
Psychiatry**

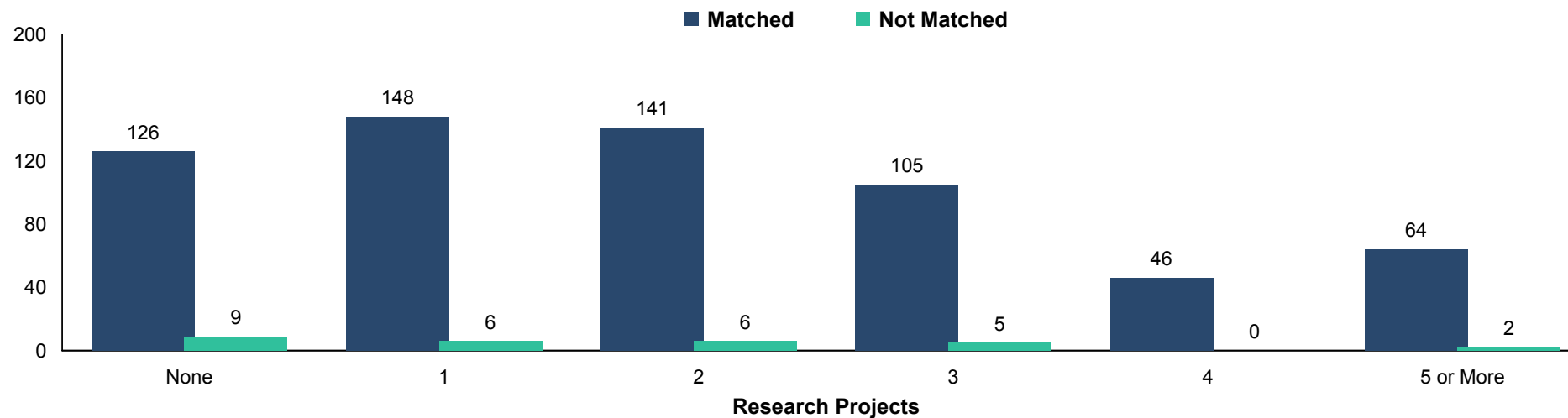


Source: NRMP Data Warehouse and AAMC Data Warehouse. USMLE scores by permission of the NBME and ECFMG.

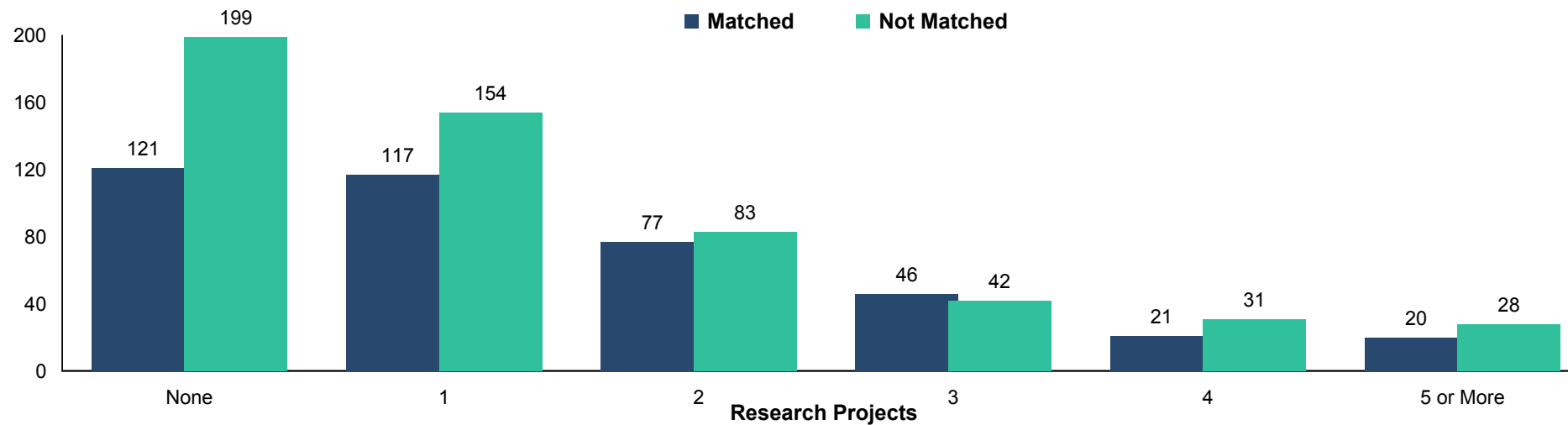
**Chart
P-5**

Number of Research Projects *Psychiatry*

U.S. Seniors



Independent Applicants

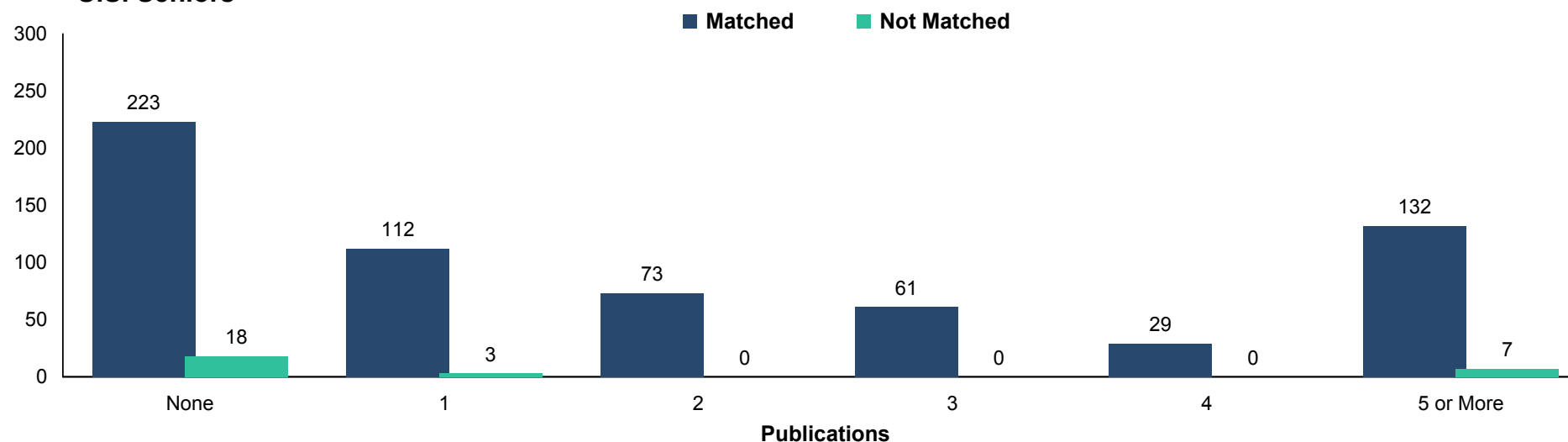


Source: NRMP Data Warehouse and AAMC Data Warehouse

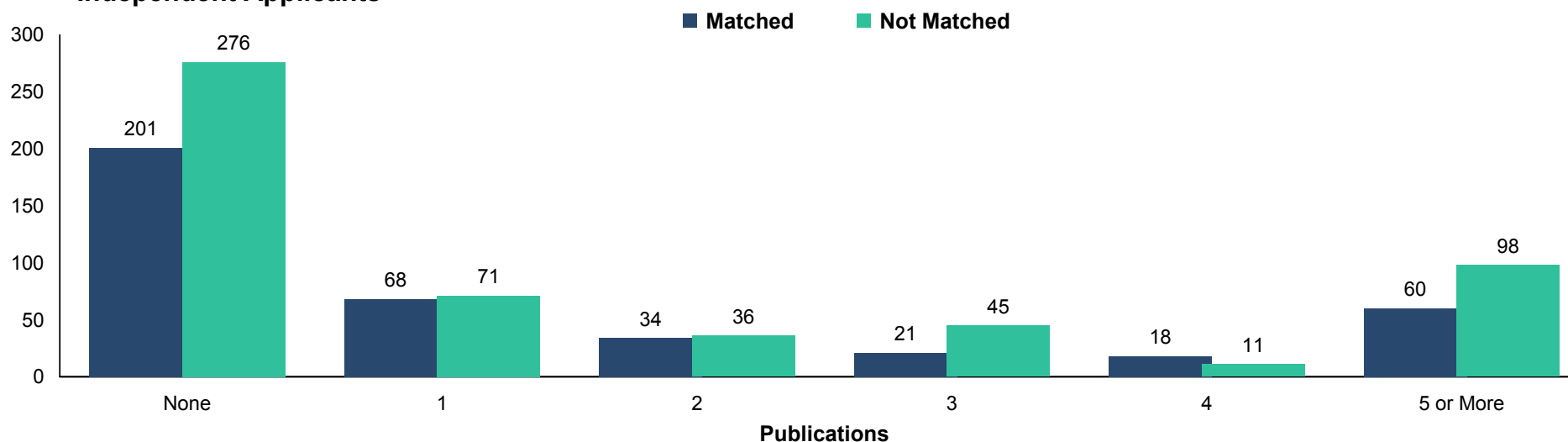
**Chart
P-6**

Number of Abstracts, Presentations, and Publications *Psychiatry*

U.S. Seniors



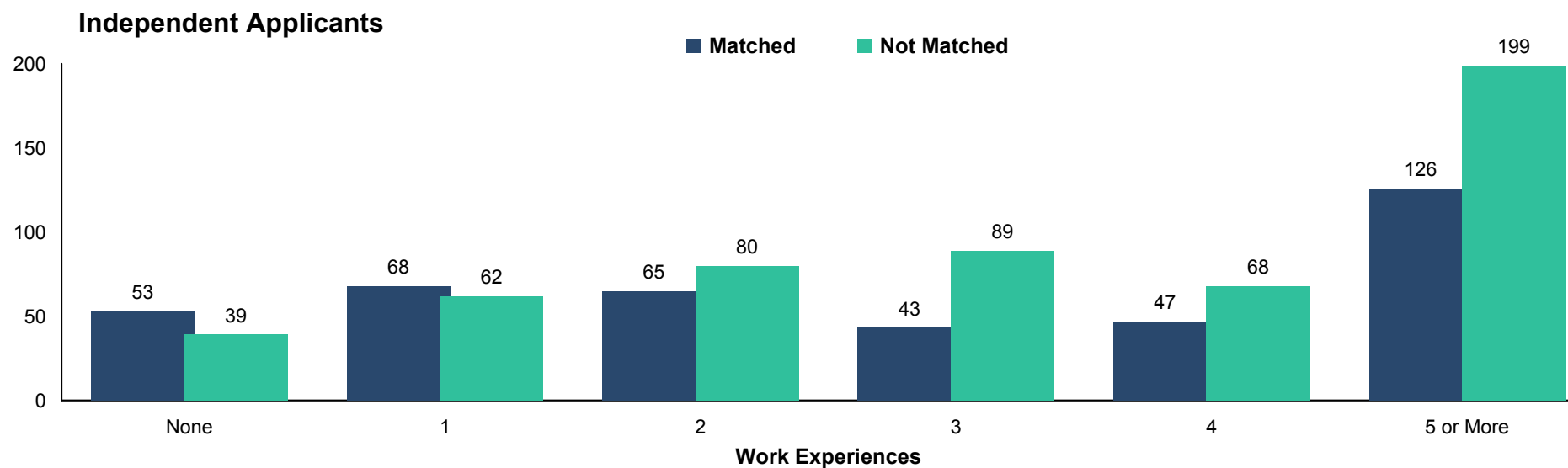
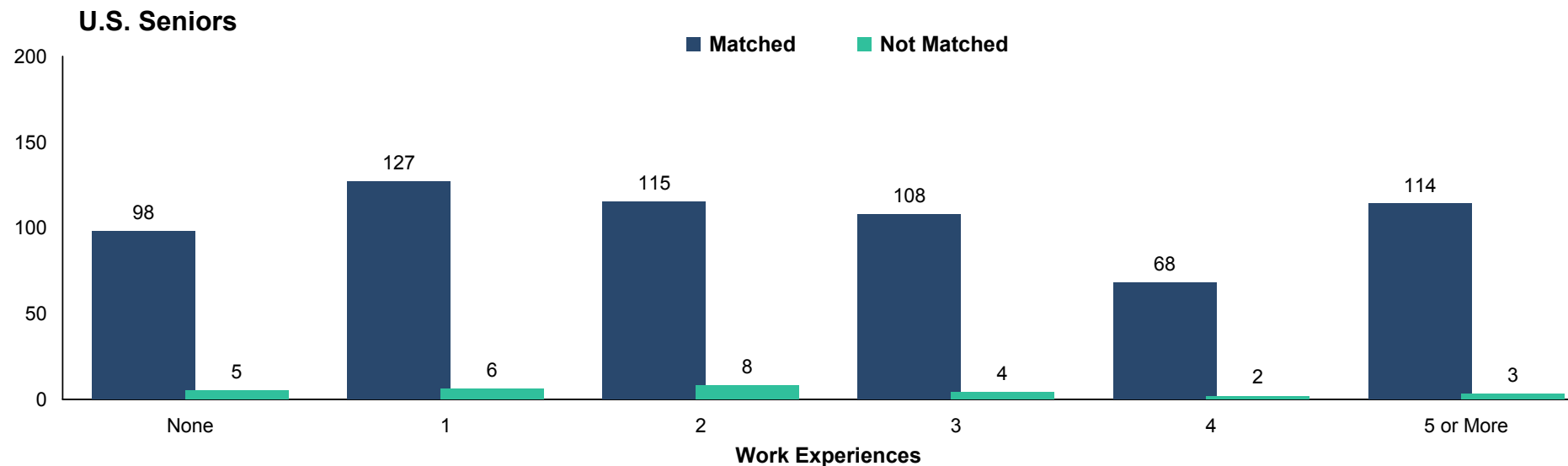
Independent Applicants



Source: NRMP Data Warehouse and AAMC Data Warehouse

**Chart
P-7**

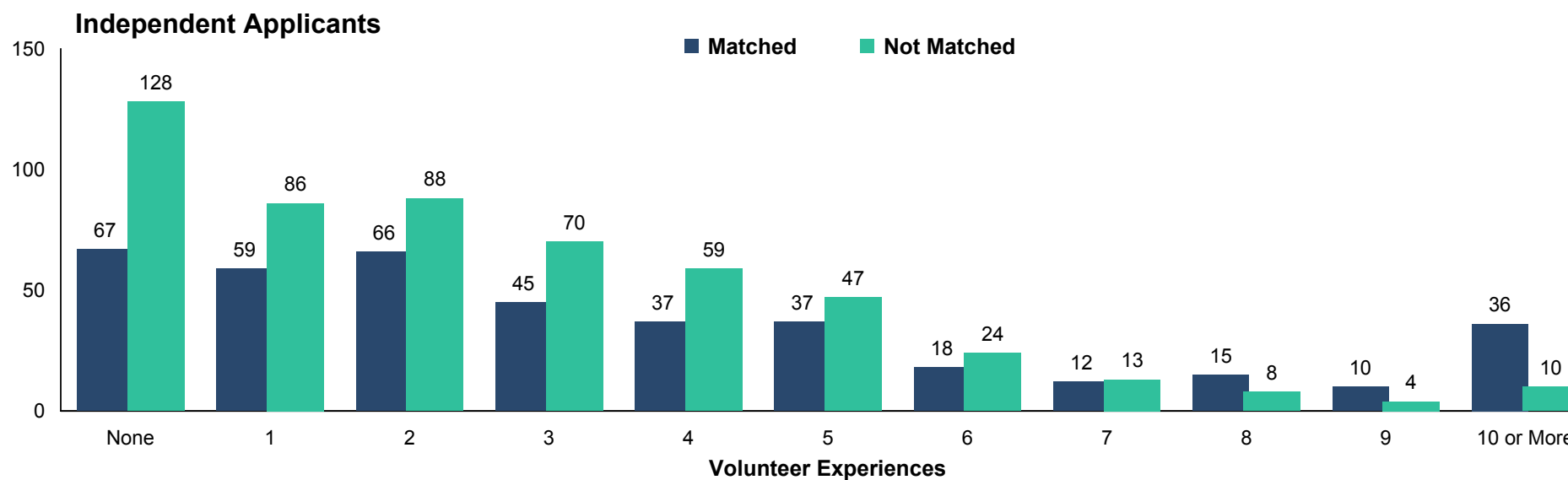
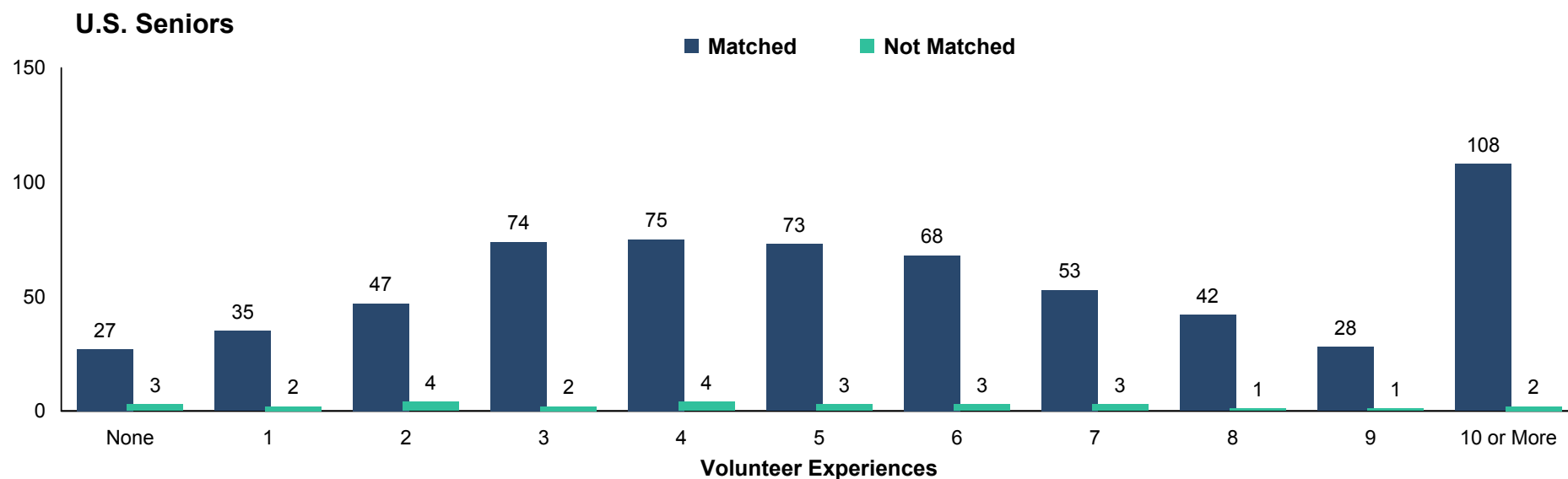
Number of Work Experiences Psychiatry



Source: NRMP Data Warehouse and AAMC Data Warehouse

**Chart
P-8**

Number of Volunteer Experiences Psychiatry

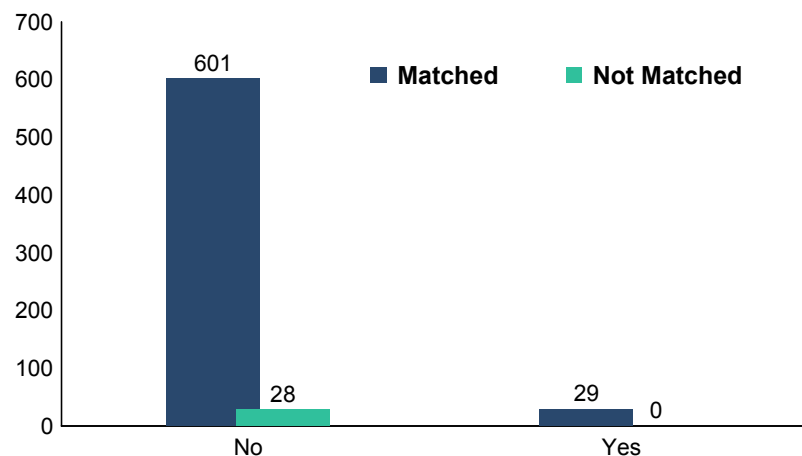


Source: NRMP Data Warehouse and AAMC Data Warehouse

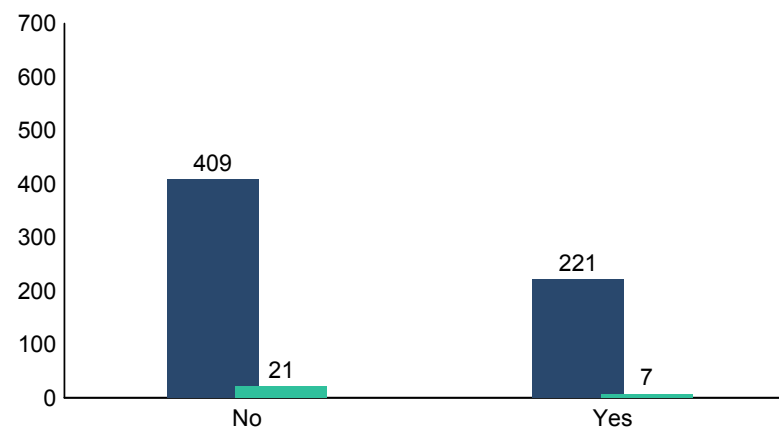
**Chart
P-9**

Other Characteristics of U.S. Seniors Psychiatry

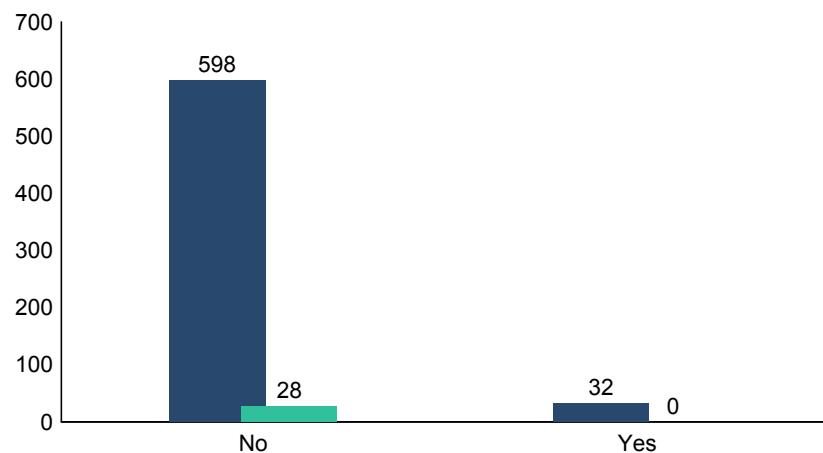
AOA Membership



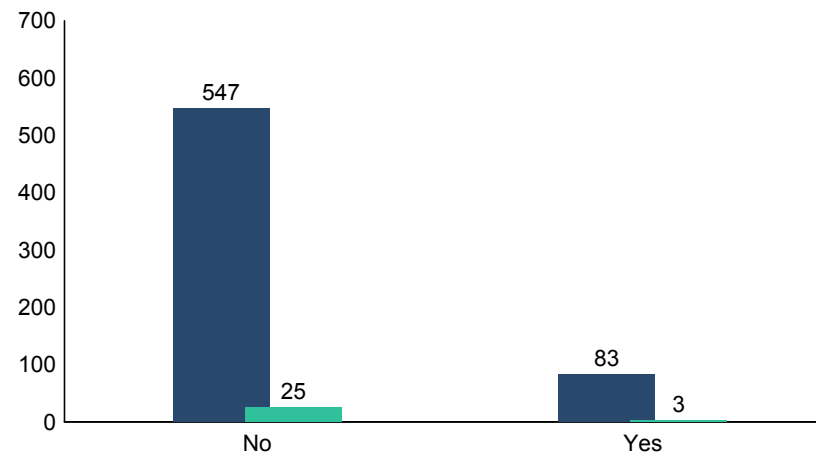
Graduate of One of the 40 U.S. Medical Schools with the Highest NIH Funding



Ph.D. Degree



Other Graduate Degree



Source: 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

RO **Radiation Oncology**

Table RO-1	Summary Statistics
	Radiation Oncology

Measure	U.S. Seniors		Independent Applicants	
	Matched (n=154)	Unmatched (n=27)	Matched (n=10)	Unmatched (n=20)
1. Mean number of contiguous ranks	10.8	4.3	7.0	3.5
2. Mean number of distinct specialties ranked	1.8	2.1	1.7	1.7
3. Mean USMLE Step 1 score	240	217	241	214
4. Mean USMLE Step 2 score	244	222	246	216
5. Mean number of research experiences	4.2	3.9	4.5	2.9
6. Mean number of abstracts, presentations, and publications	8.3	6.6	9.6	7.3
7. Mean number of work experiences	2.2	2.8	2.5	3.9
8. Mean number of volunteer experiences	5.9	5.2	7.9	3.0
9. Percentage who are AOA members	31.2	7.4	n/a	n/a
10. Percentage who graduated from one of the 40 U.S. medical schools with the highest NIH funding	45.5	33.3	n/a	n/a
11. Percentage who have Ph.D. degree	22.1	14.8	n/a	n/a
12. Percentage who have another graduate degree	7.8	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.

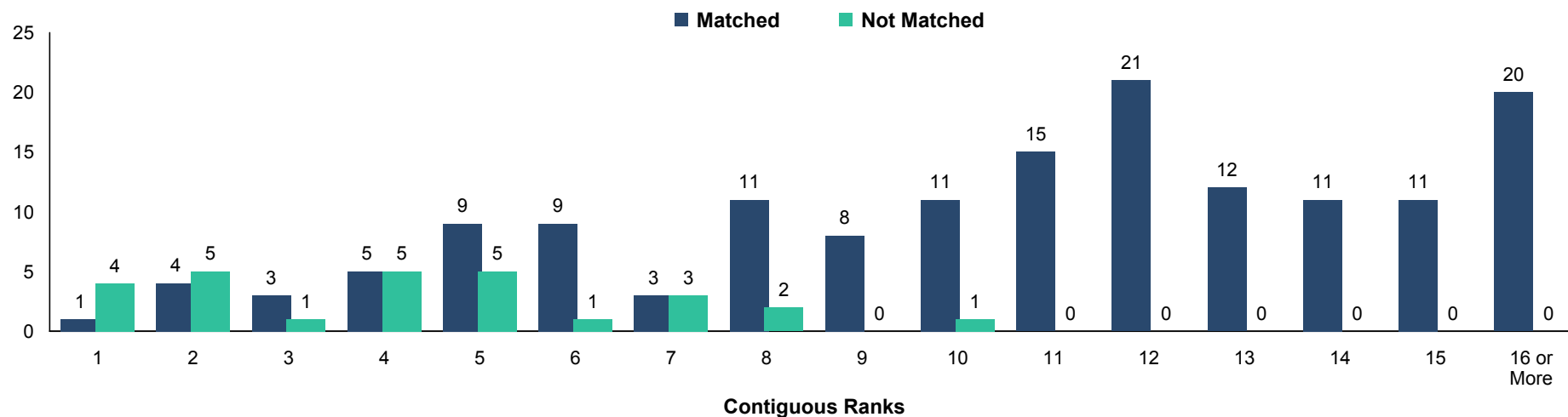
Sources: Measures 1, 2, and match outcome are from the NRMP Data Warehouse; measures 3 and 4 are from the AAMC Data Warehouse and from the ECFMG, both by permission of the NBME and ECFMG; measures 5-9 are from the AAMC Data Warehouse; measure 10 is from the NIH website (<http://report.nih.gov/award/trends/AggregateDate.cfm> 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 20 percent of U.S. allopathic medical school seniors do not take the USMLE Step 2 prior to the Match.

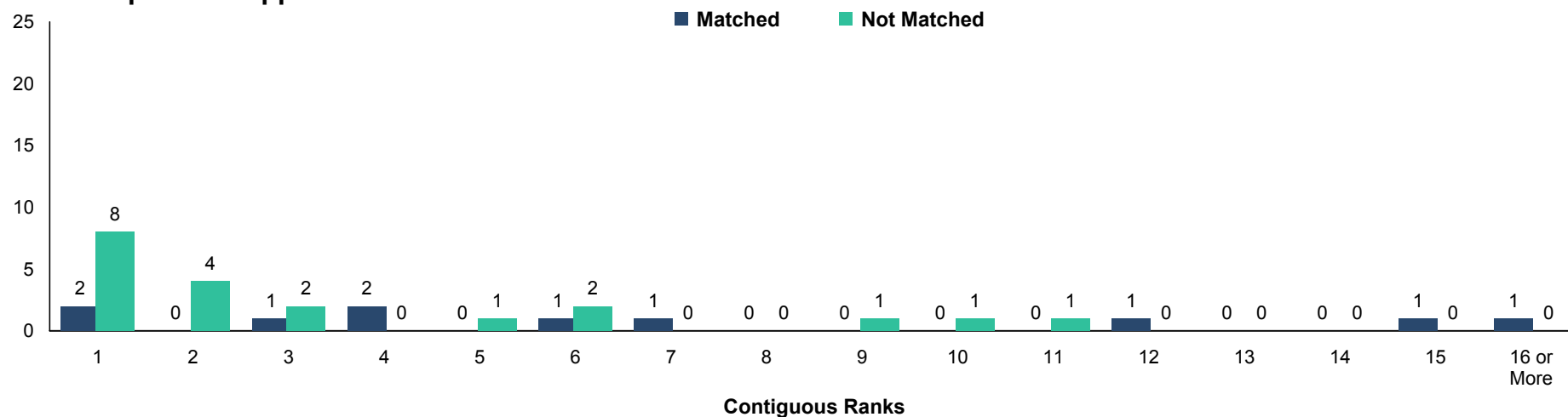
**Chart
RO-1**

Number of Contiguous Ranks Within Preferred Specialty *Radiation Oncology*

U.S. Seniors



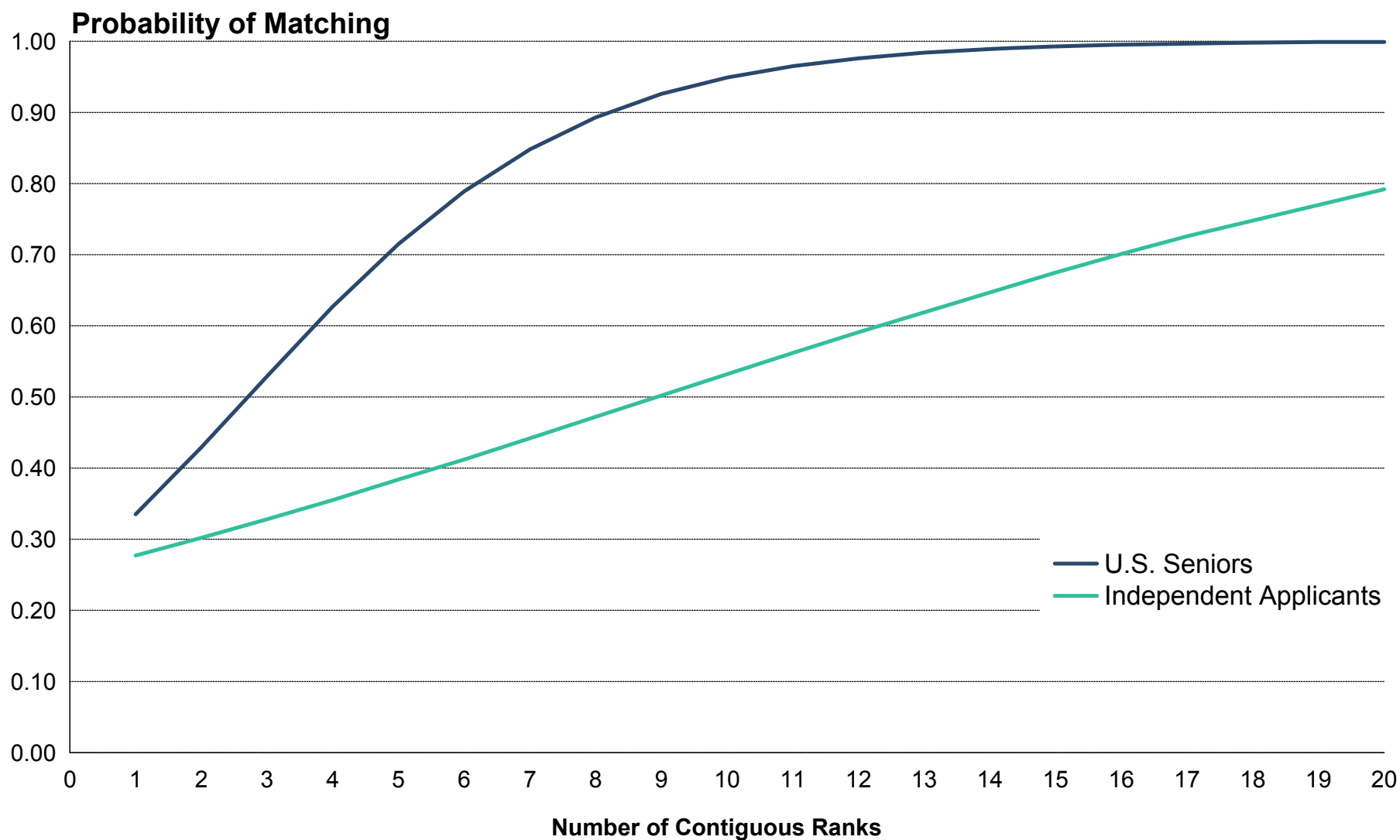
Independent Applicants



Source: NRMP Data Warehouse

Probability of Matching to Preferred Specialty by Number of Contiguous Ranks

Radiation Oncology

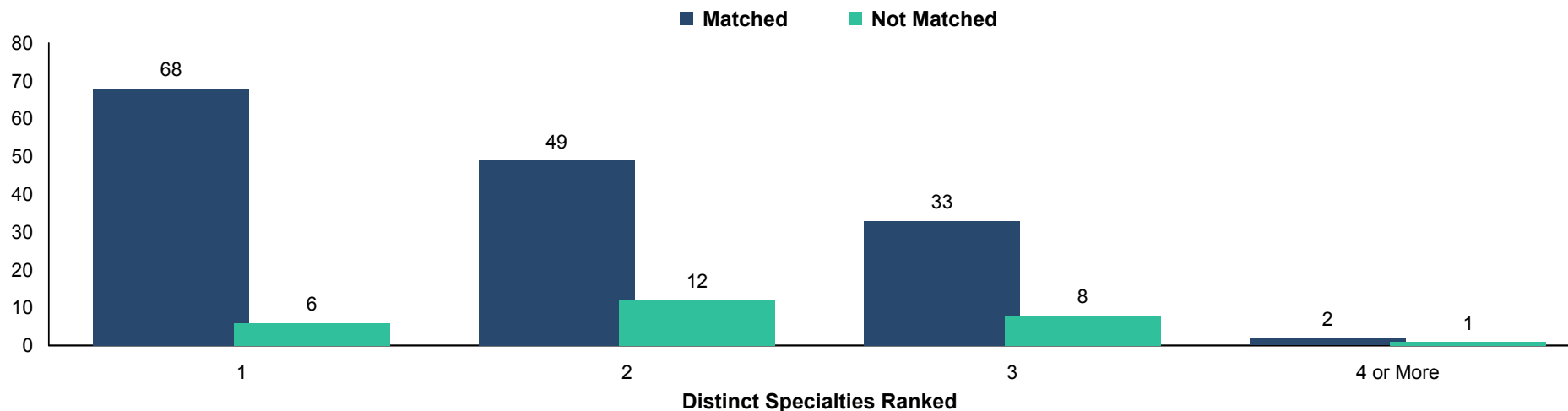


Source: NRMP Data Warehouse. Note: Probabilities calculated based on 2009-2011 applicants

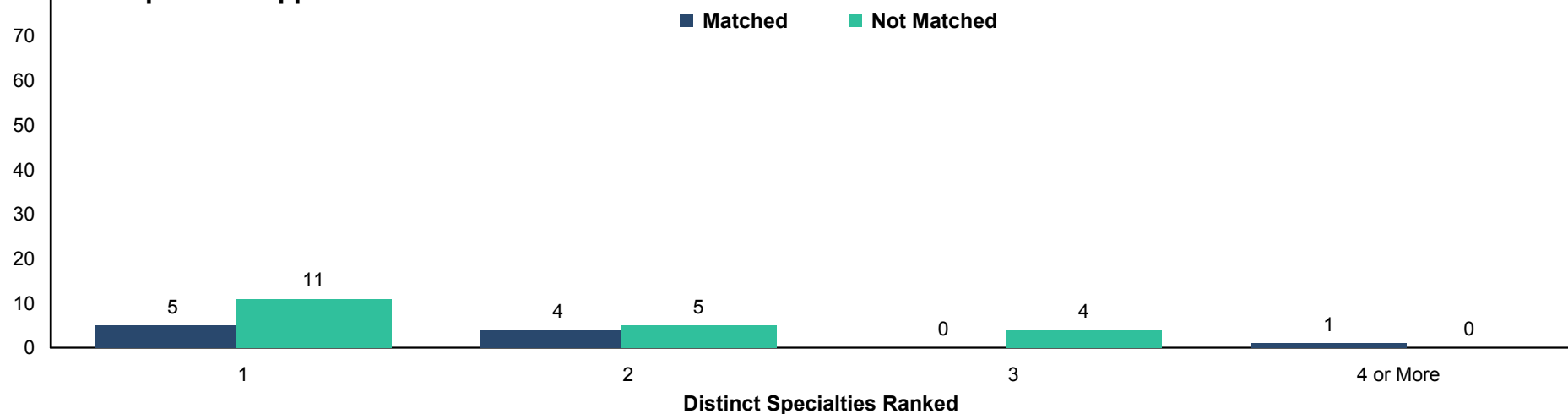
**Chart
RO-2**

Number of Distinct Specialties Ranked *Radiation Oncology*

U.S. Seniors



Independent Applicants

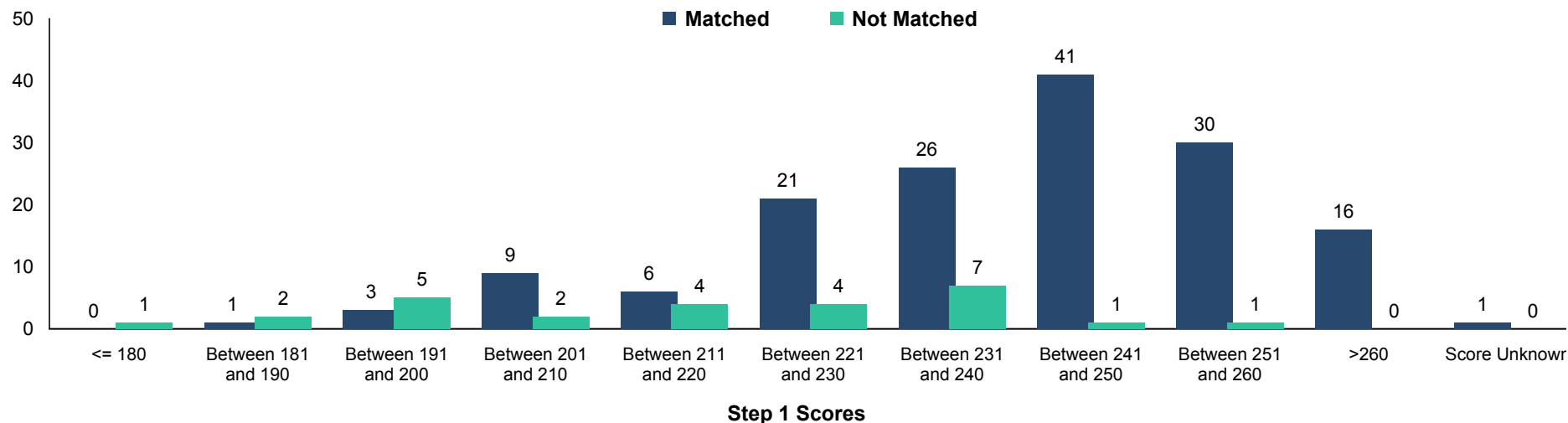


Source: NRMP Data Warehouse

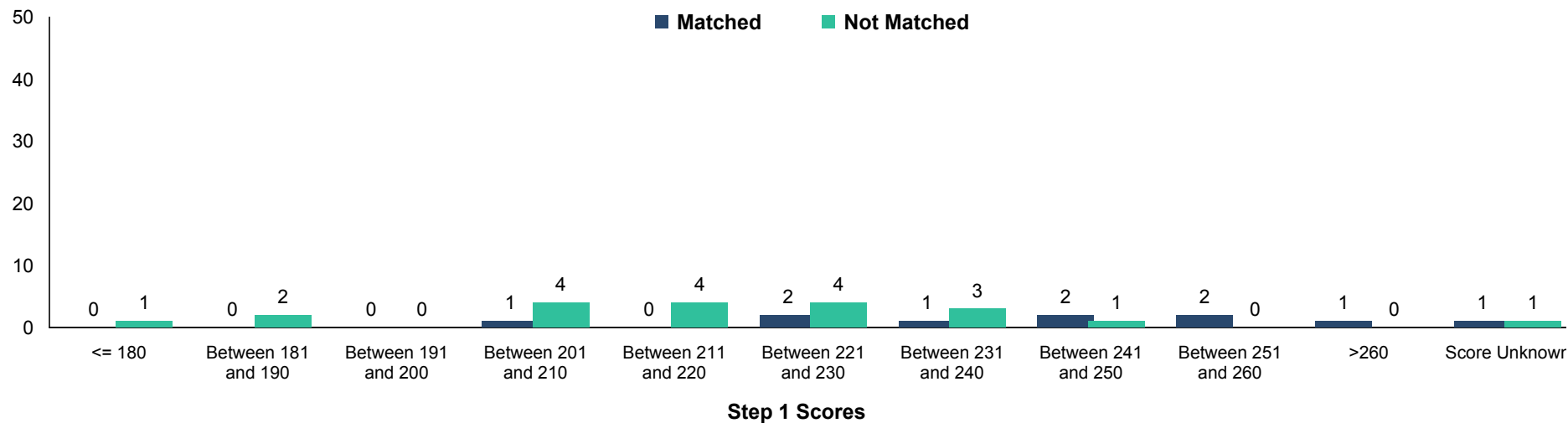
Chart RO-3

USMLE Step 1 Scores Radiation Oncology

U.S. Seniors



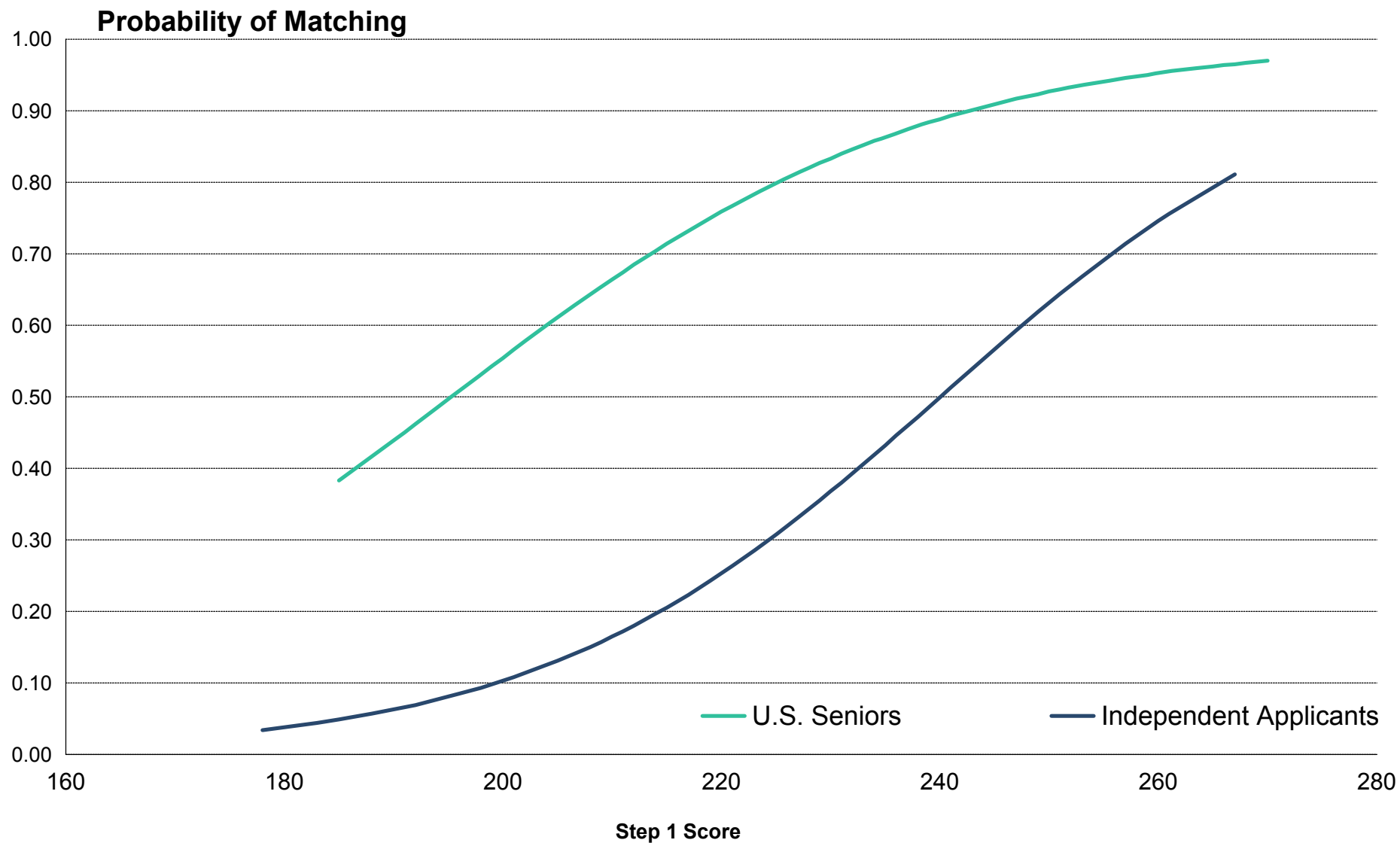
Independent Applicants



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

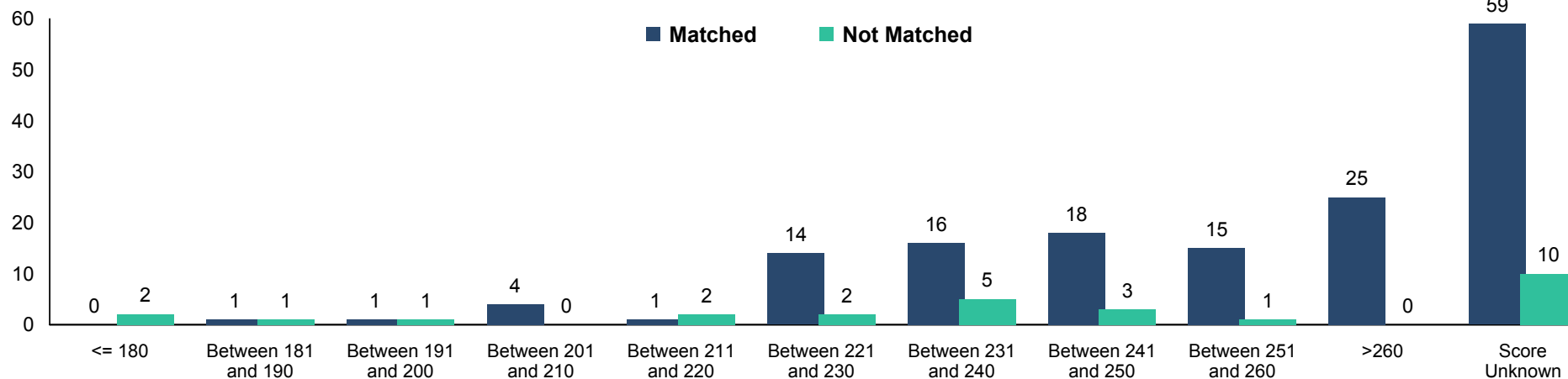


Source: NRMP Data Warehouse and AAMC Data Warehouse. USMLE scores by permission of the NBME and ECFMG. Note: Probabilities calculated based on 2009-2011 applicants.

Chart RO-4

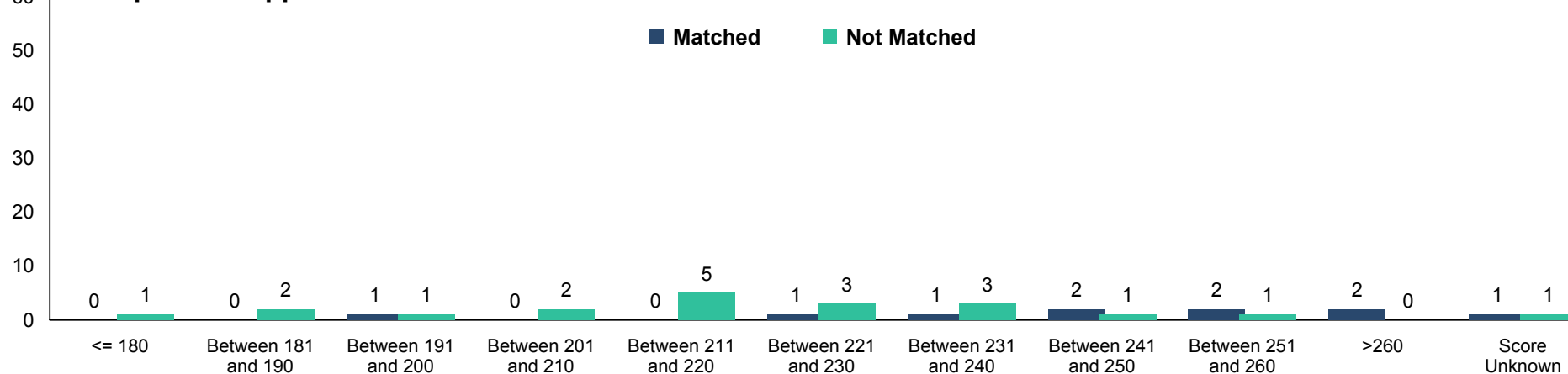
USMLE Step 2 Scores Radiation Oncology

U.S. Seniors



Step 2 Scores

Independent Applicants



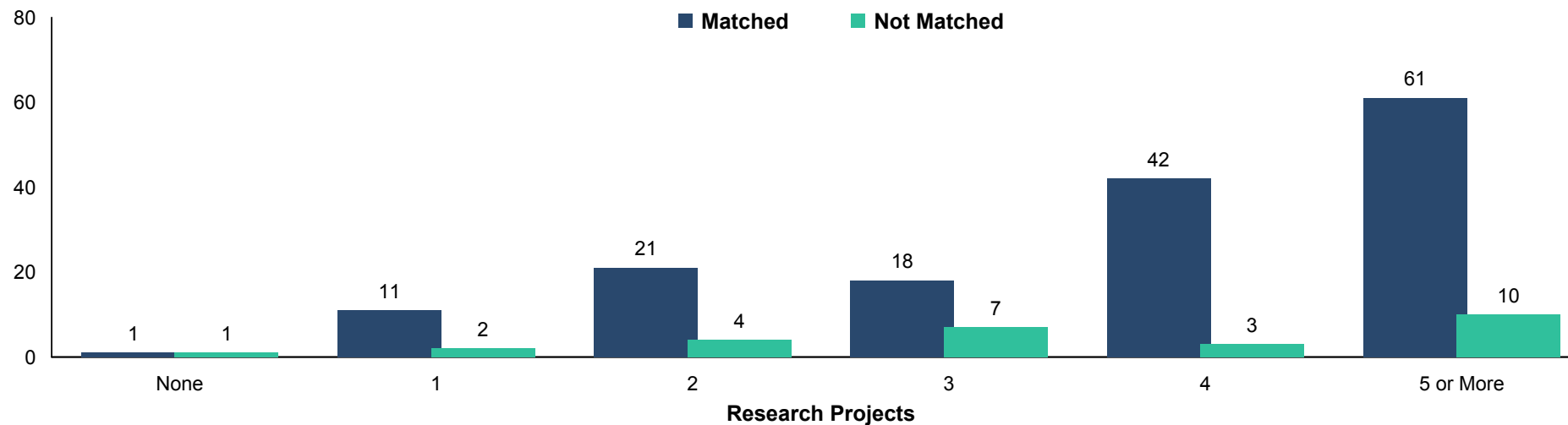
Step 2 Scores

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

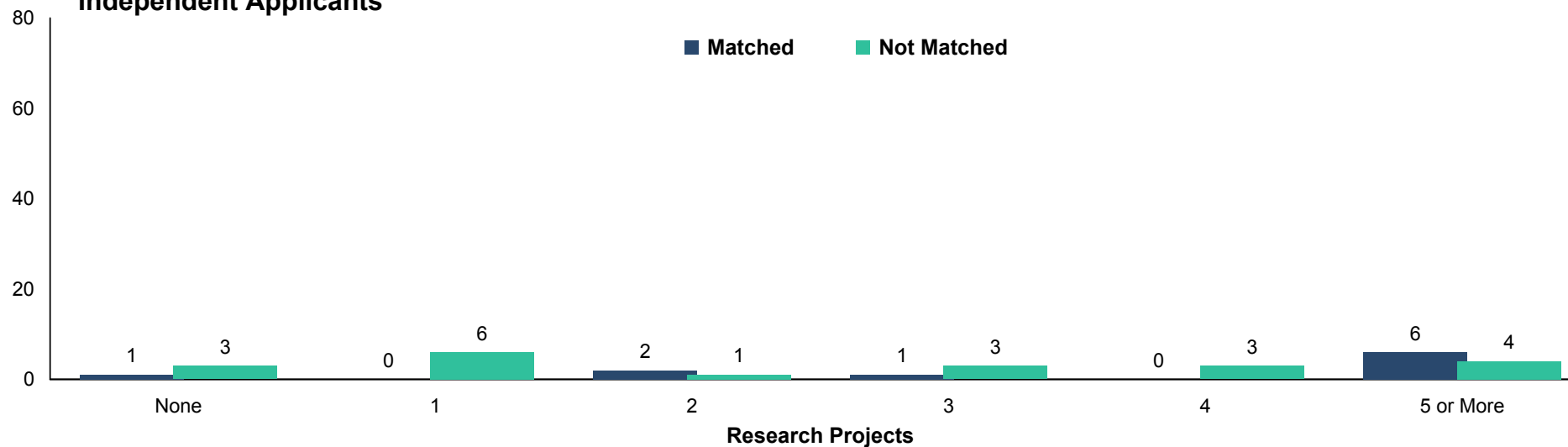
**Chart
RO-5**

Number of Research Projects *Radiation Oncology*

U.S. Seniors



Independent Applicants

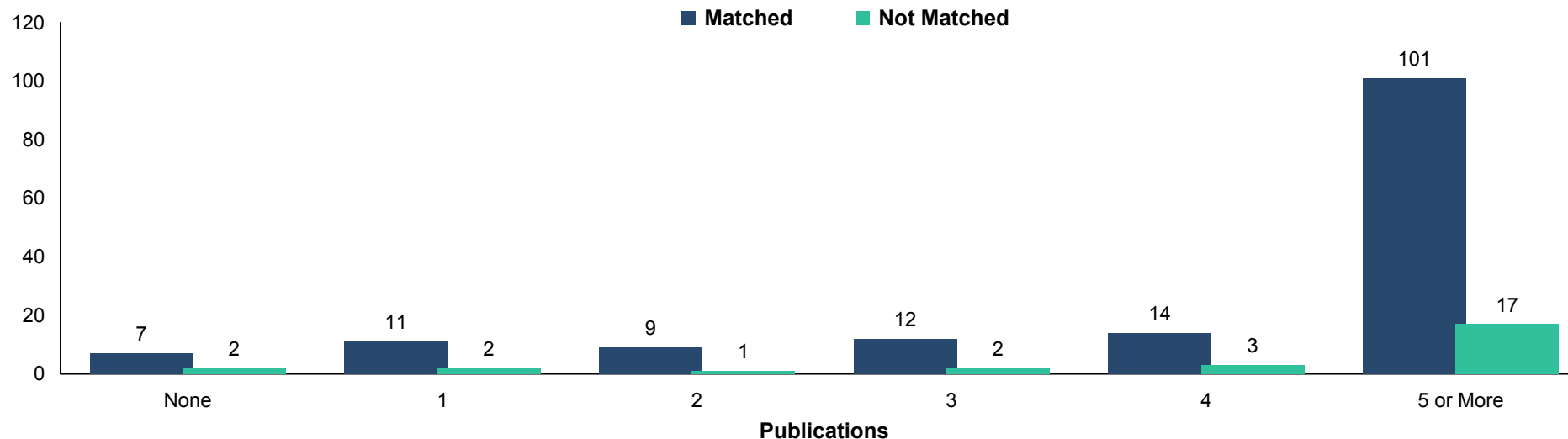


Source: NRMP Data Warehouse and AAMC Data Warehouse

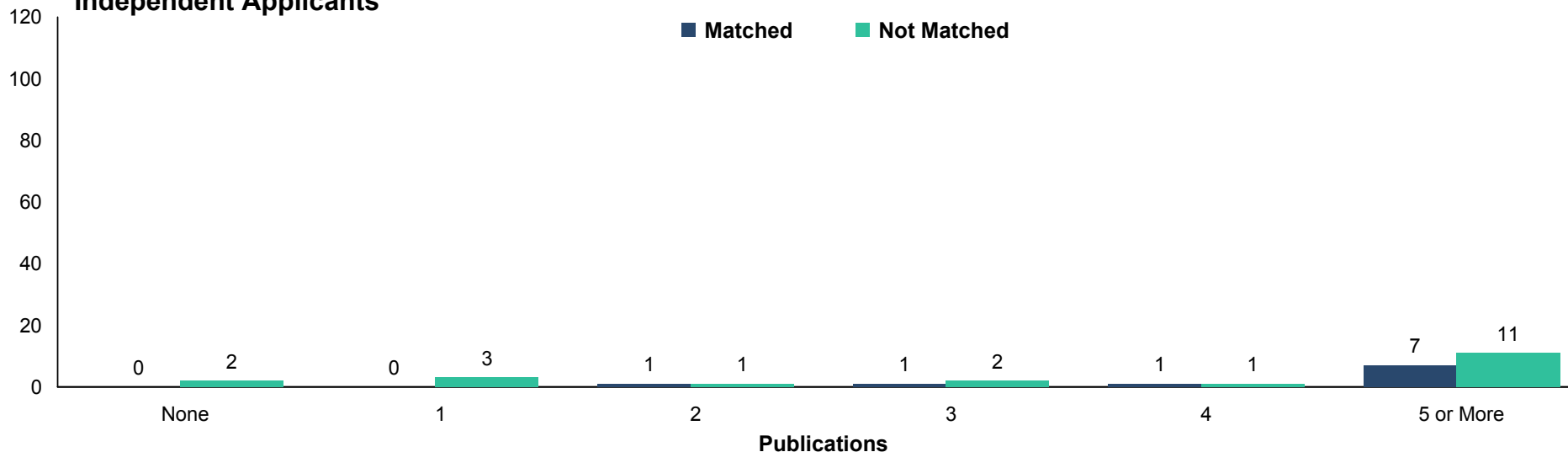
**Chart
RO-6**

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

U.S. Seniors



Independent Applicants

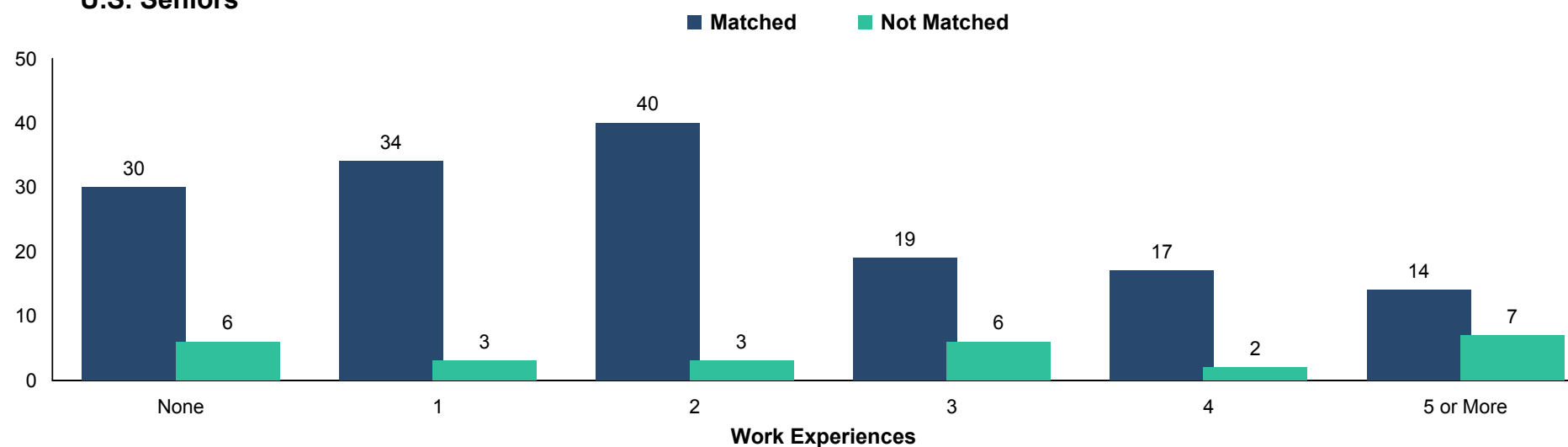


Source: NRMP Data Warehouse and AAMC Data Warehouse

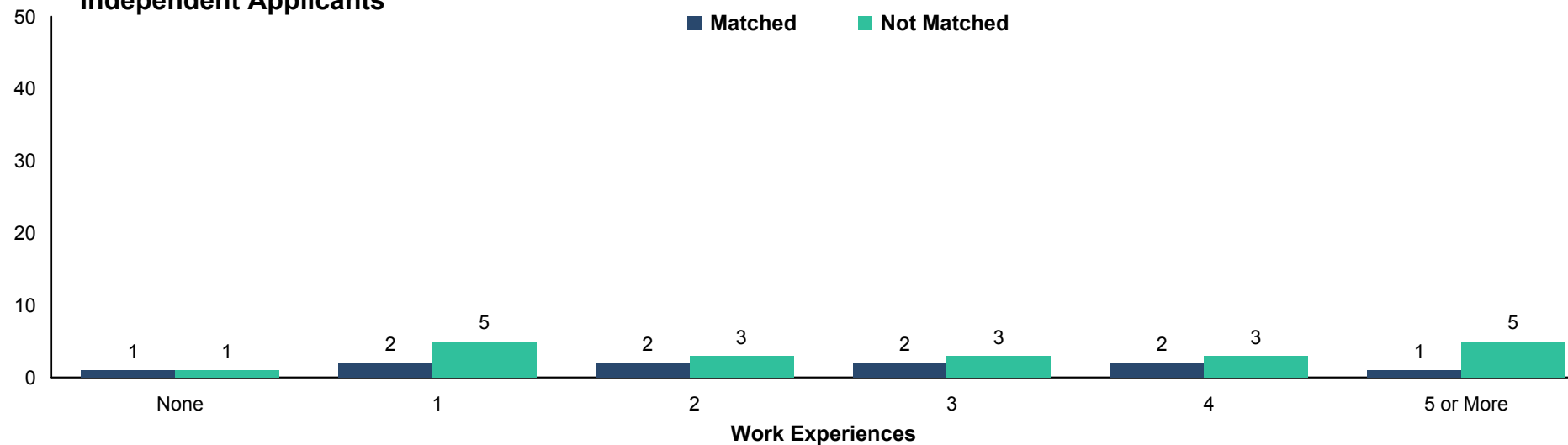
**Chart
RO-7**

Number of Work Experiences *Radiation Oncology*

U.S. Seniors



Independent Applicants

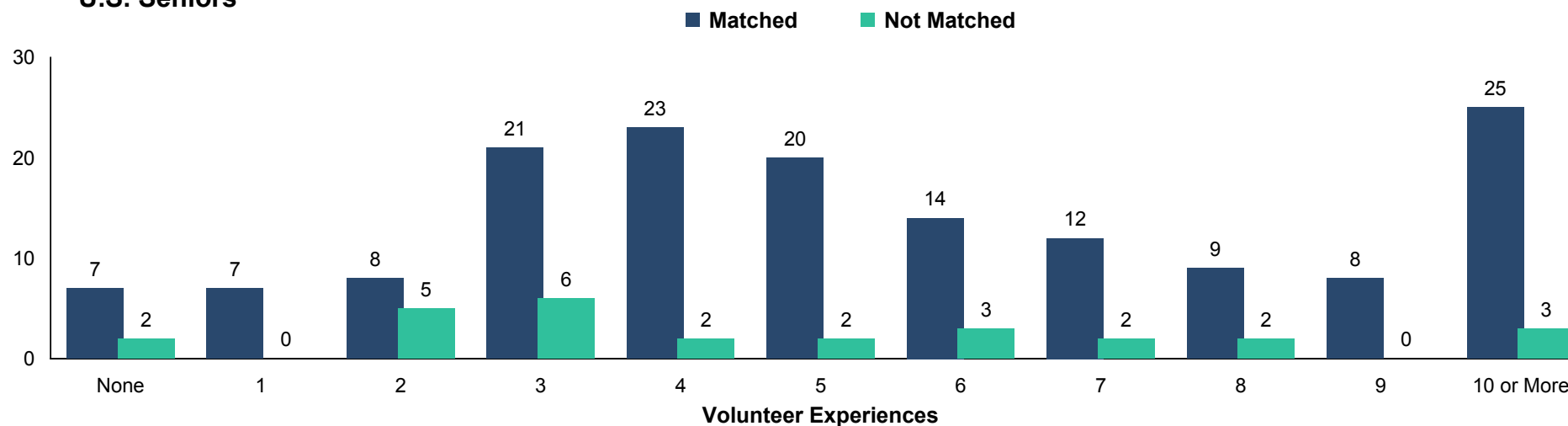


Source: NRMP Data Warehouse and AAMC Data Warehouse

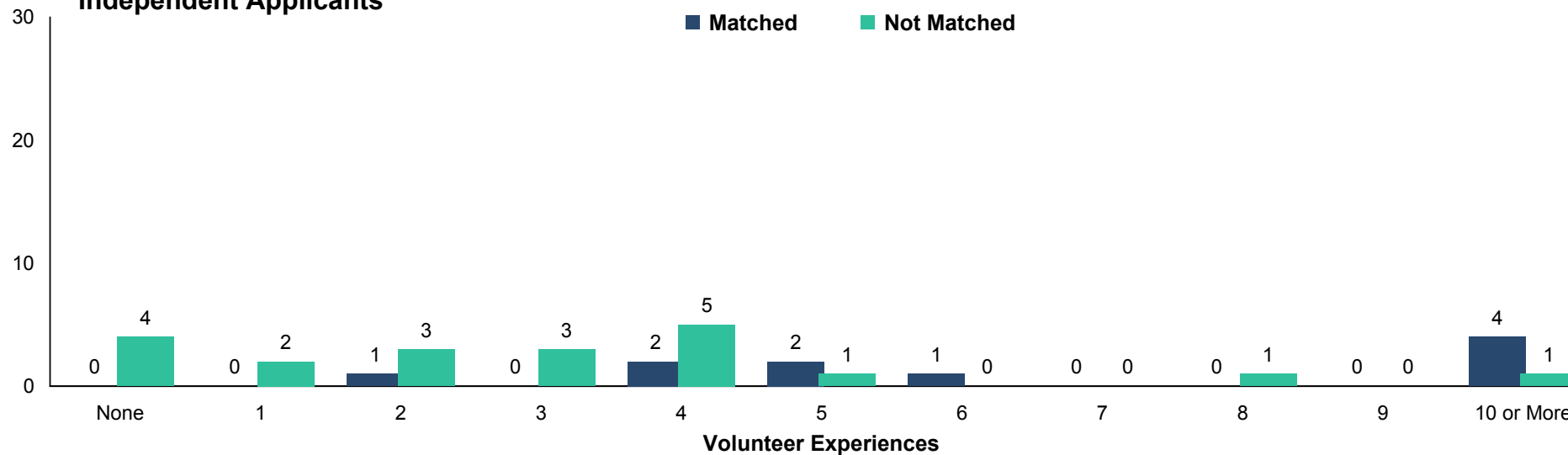
Chart RO-8

Number of Volunteer Experiences *Radiation Oncology*

U.S. Seniors



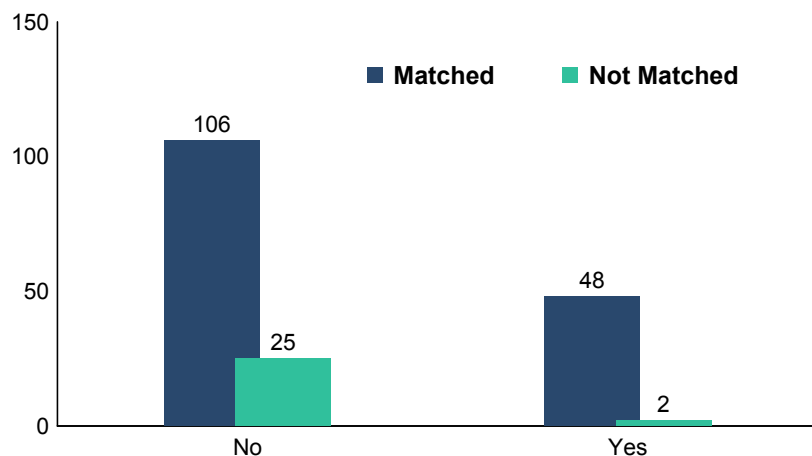
Independent Applicants



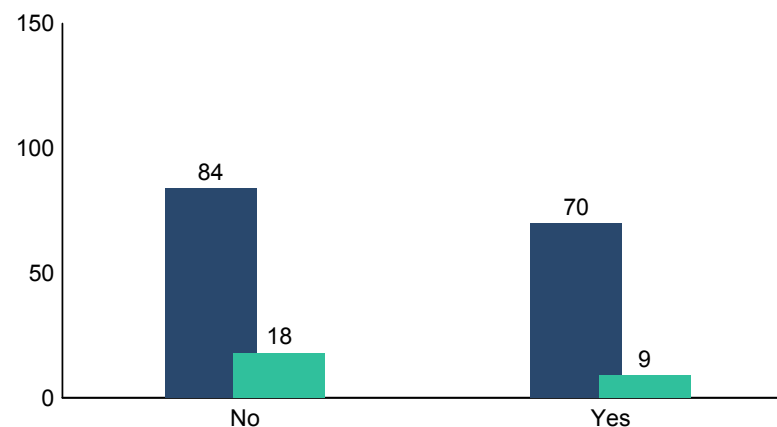
Source: NRMP Data Warehouse and AAMC Data Warehouse

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

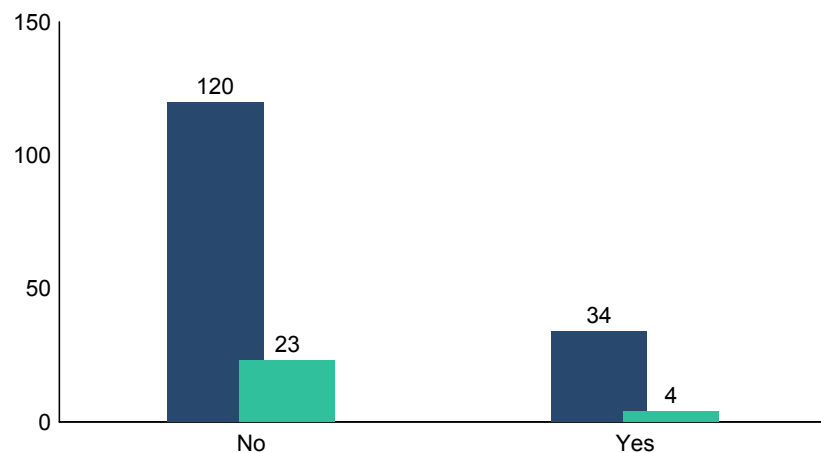
AOA Membership



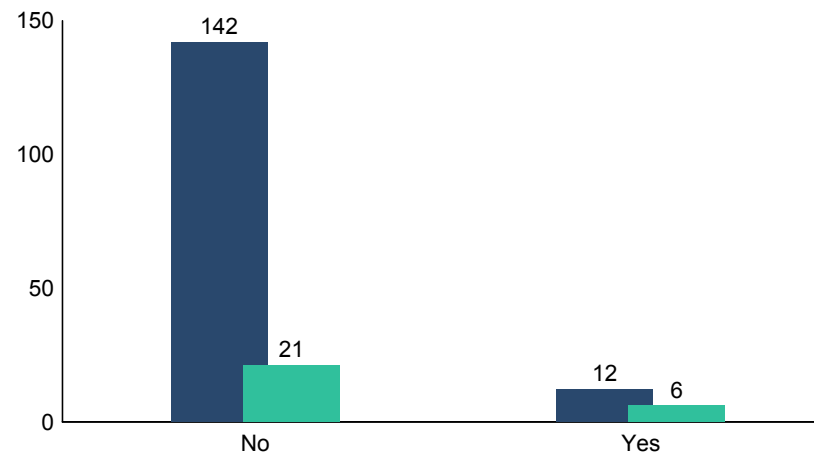
Graduate of One of the 40 U.S. Medical Schools with the Highest NIH Funding



Ph.D. Degree



Other Graduate Degree



Source: 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