Charting Outcomes™:
Characteristics of U.S. MD Seniors Who Matched to Their Preferred Specialty

2024 Main Residency Match®

4th Edition

Prepared by:
National Resident Matching Program
www.nrmp.org

August 2024

Questions about the contents of this publication may be directed to National Resident Matching Program, (202) 400-2233 or datarequest@nrmp.org.

Questions about the NRMP should be directed to Donna L. Lamb, D.HSc., M.B.A., B.S.N., President and CEO, National Resident Matching Program, (202) 400-2233 or admin@nrmp.org.

National Resident Matching Program, Charting Outcomes in the Match: Senior Students of U.S. Medical Schools, 2024. National Resident Matching Program, Washington, DC 2024.

2024 Table of Contents

2024 Introduction

Background

The first edition of *Charting Outcomes in the Match* was published in August 2006 to document how applicant qualifications affect success in the Main Residency Match®. The report was published biennially between 2007 and 2011 and was a collaboration of the National Resident Matching Program® (NRMP®) and the Association of American Medical Colleges® (AAMC®). Match outcome data from the NRMP were combined with applicant characteristics from the AAMC's Electronic Residency Application Service (ERAS®) and United States Medical Licensing Examination (USMLE®) scores from the AAMC data warehouse. Starting with the 2014 Main Residency Match, the NRMP added a Professional Profile section to its Match registration process to collect the USMLE scores and other applicant characteristics, and those have been used to independently produce all subsequent *Charting Outcomes in the Match* reports.

Prior to 2016, this report examined the Match success of only two applicant groups: senior students from U.S. MD medical schools ("U.S. seniors" or "U.S. MD seniors") and independent applicants. Independent applicants included all applicant types other than U.S. seniors: graduates of U.S. MD medical schools, students/graduates of U.S. DO medical schools, students/graduates of Fifth Pathway programs, students/graduates of Canadian medical schools, and U.S. citizen and non-U.S. citizen students/graduates of international medical schools (IMGs). Because independent applicants are a heterogeneous group, a decision was made in 2016 to report data separately for U.S. MD medical school seniors, students/graduates of U.S. DO medical schools, U.S. citizen students/graduates of international medical schools, and non-U.S. citizen students/graduates of international medical schools. In 2018, upon requests from U.S. DO medical schools, the *Charting Outcomes in the Match* report was redesigned to include only senior students of U.S. DO medical schools ("U.S. DO seniors"), eliminating the reporting on U.S. DO graduates because their numbers are so small. The 2024 *Charting Outcomes in the Match* reports marks the fourth iteration of publications for U.S. MD Seniors, U.D. DO seniors and U.S. citizen/non-U.S. citizen IMGs. This report examines the characteristics of U.S. MD seniors.

Data

Match outcome, specialty preference, and ranking information were collected through the Main Residency Match. The 40 U.S. medical schools receiving the highest totals of National Institutes of Health (NIH) grants were obtained from the NIH website. Other applicant characteristics, including USMLE Step 1 and Step 2 Clinical Knowledge (CK) scores, academic degrees, abstracts/presentations/publications, Alpha Omega Alpha Honor Medical Society (AOA) membership, and research, work, and volunteer experiences, were self-reported through the Academic Information section of the NRMP's Applicant Registration Form for the Match. Completion of the form was optional.

It is important to note that due to the transition of USMLE Step 1 to pass/fail (i.e., tests taken after January 26, 2022, only receive a pass/fail rather than a numeric score), the number of applicants reporting Step 1 scores is decreasing and will continue to decrease in upcoming years. In 2024, only 13.3 percent of U.S. MD seniors who consented to provide their academic information upon registration to the Match self-reported numeric Step 1 scores. While low rates of Step 1 numeric scores being reported was expected due to the transition, nearly all U.S. MD seniors who consented to provide their academic information (99.6%) provided their Step 1 pass/fail status.

A total of 19,755 U.S. MD seniors submitted certified rank order lists in the 2024 Main Residency Match. After excluding the 18.7 percent of U.S. MD seniors who did not give consent to provide their academic information for use in research, 16,054 applicants were included in the final dataset. Missing data were found in Step 2 CK scores (1.6%), number of research experiences (14.9%), number of abstracts, presentations, and publications (14.1%), number of work experiences (16.1%), number of volunteer experiences (15.6%), Ph.D. degree (5.7%), other graduate degree (5.9%), and AOA membership (7.0%).

To ensure that USMLE Step scores were not misreported, the NRMP asked medical schools to verify the scores of their U.S. MD seniors. In 2024, 85.0 percent of the Step 1 scores and 85.2 percent Step 2 CK scores used in this report were verified, corrected, or supplied by U.S. medical schools (i.e., remaining applicant self-reported scores were not verified by medical schools). Because the self-reported scores are highly accurate (the intraclass correlation coefficient (ICC) between the self-reported scores and school-verified scores was 0.991 (99% CI [0.990, 0.992]) for Step 1 scores and 0.882 (99% CI [0.877, 0.887]) for Step 2 CK scores), both verified and unverified scores were used to prepare this report.

Methods

Specialties that offered 50 or more positions in the 2024 Main Residency Match are included in this report. Transitional Year programs were excluded beginning with the 2011 report because they are not viewed as a preferred specialty choice.

Twelve measures are incorporated in this report. Probability analysis using a simple logistic regression model was introduced in 2009 to evaluate the relationship between Match success and contiguous ranks and USMLE Step 1 scores. Probability analyses in this report used data on U.S. MD seniors who participated in the Match in 2022, 2023, and 2024.

It is important to note that for purposes of this report, Match success is defined as a match to the specialty of the applicant's first-ranked program, or "preferred specialty," because that is assumed to be the specialty of choice. No distinction was made based on applicants' program choice.

Summary

Some general observations apply to all specialties in this report. U.S. MD seniors who are successful in matching to their preferred specialty (compared to those who do not match to their preferred specialty) are more likely to:

- Rank more programs within their preferred specialty
- Have higher USMLE Step 1 and Step 2 scores
- Be members of Alpha Omega Alpha Honor Medical Society
- Have graduated from one of the 40 U.S. medical schools with the highest NIH funding

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

Despite the fairly strong relationship between USMLE Step scores and Match success, the distributions of scores show that program directors do consider other qualifications. A high score is not a guarantee of success, and a low score is not a bar to success. Even in the most competitive specialties, a few individuals with high scores are not successful. In the less competitive specialties, U.S. MD seniors with scores slightly above passing usually match to their preferred specialties. The data 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 for applicants:

- Rank the programs with which you've interviewed in the order you most prefer them.
- Include a mix of both competitive and less competitive programs within your preferred specialty.
- Include all programs on your list where you would be willing to train if matched.
- Include all of your qualifications in your application but know that you do not have to be AOA, have the highest USMLE scores, have publications, or have participated in research projects to match successfully.

For questions, comments or more information, please contact:

National Resident Matching Program
455 Massachusetts Avenue NW, Suite 310
Washington, DC 20001
Tel: (202) 400-2233
Email: datarequest@nrmp.org

Tables and Charts for All Specialties

Chart 1

Active Applicants in the 2024 Main Residency Match
by Applicant Type

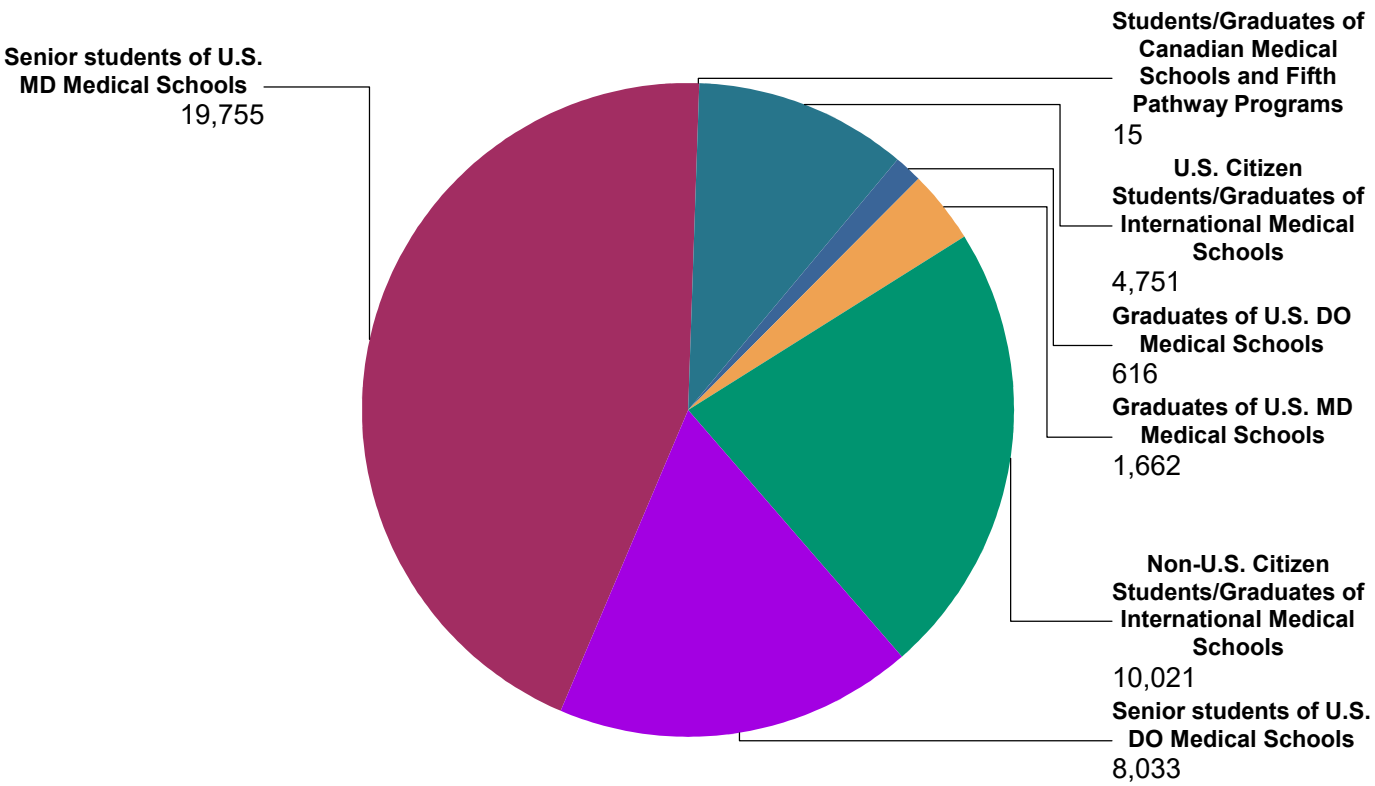


Chart 1 shows the number of active applicants (i.e., applicants who have certified a rank order list) by applicant type in the 2024 Main Residency Match. A total of 44,853 active applicants participated in the 2024 Main Residency Match. U.S. MD seniors constituted the largest group, comprising 44.0 percent of applicants in the Match. The second largest group of active applicants were Non-U.S. IMGs at 22.3 percent, followed by U.S. DO seniors at 17.9 percent. The number of students and graduates of Canadian medical schools and Fifth Pathway programs remains small (n=15).

Table 1

Number of Applicants and Positions in the 2024 Main Residency Match
*by Preferred Specialty**

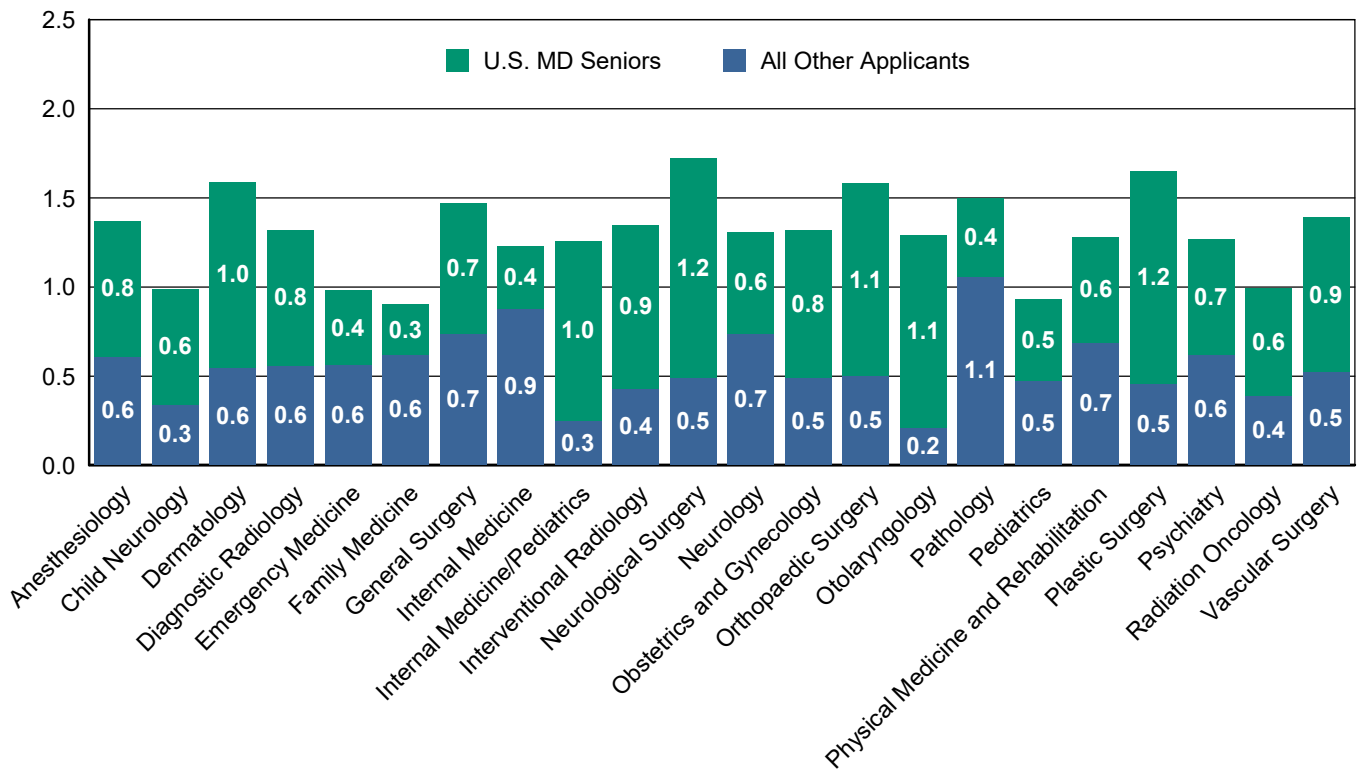
Preferred Specialty	Total Positions Offered	Total Number of All Applicants	Number of All Applicants Per Position	Number of U.S. MD Seniors			Number of U.S. MD Seniors Per Position
				Matched	Not Matched	Total	
Anesthesiology	2,135	2,933	1.37	1,387	241	1,628	0.76
Child Neurology	212	211	1.00	134	4	138	0.65
Dermatology	576	916	1.59	424	177	601	1.04
Diagnostic Radiology	1,186	1,566	1.32	777	122	899	0.76
Emergency Medicine	3,026	2,980	0.98	1,246	26	1,272	0.42
Family Medicine	5,213	4,702	0.90	1,427	17	1,444	0.28
General Surgery	1,717	2,529	1.47	1,028	229	1,257	0.73
Internal Medicine	10,681	13,143	1.23	3,699	83	3,782	0.35
Internal Medicine/Pediatrics	390	488	1.25	337	55	392	1.01
Interventional Radiology	190	256	1.35	144	30	174	0.92
Neurological Surgery	241	414	1.72	204	93	297	1.23
Neurology	1,126	1,476	1.31	600	40	640	0.57
Obstetrics and Gynecology	1,539	2,034	1.32	1,100	184	1,284	0.83
Orthopaedic Surgery	916	1,448	1.58	726	267	993	1.08
Otolaryngology	382	496	1.30	339	75	414	1.08
Pathology	628	942	1.50	257	18	275	0.44
Pediatrics	3,139	2,904	0.93	1,438	4	1,442	0.46
Physical Medicine and Rehabilitation	577	740	1.28	291	52	343	0.59
Plastic Surgery	213	350	1.64	188	65	253	1.19
Psychiatry	2,261	2,859	1.26	1,304	159	1,463	0.65
Radiation Oncology	203	201	0.99	119	3	122	0.60
Vascular Surgery	100	139	1.39	77	10	87	0.87

* Preferred specialty is the specialty of the first-ranked program on an applicant's rank order list, excluding preliminary programs in specialties.
Source: NRMP Data Warehouse.

Table 1 provides a summary of the numbers of positions offered in selected specialties, the number of applicants who preferred each specialty (i.e., specialty of the first-ranked program on an applicant's rank order list), and the number of U.S. MD seniors who preferred each specialty. For example, a total of 2,933 applicants preferred Anesthesiology, among whom 1,628 are U.S. MD seniors (1,387 matched and 241 not matched to Anesthesiology). For each of the 2,135 positions offered, there were 1.37 applicants who preferred the specialty, including 0.76 U.S. MD seniors.

Only those specialties offering 50 or more positions are included. For those specialties offering both PGY 1 and PGY 2 positions (including Physician (R) positions), all position types have been combined.

Chart 2 Ratio of MD Seniors Ranking Specialty First / Available Positions *by Preferred Specialty*



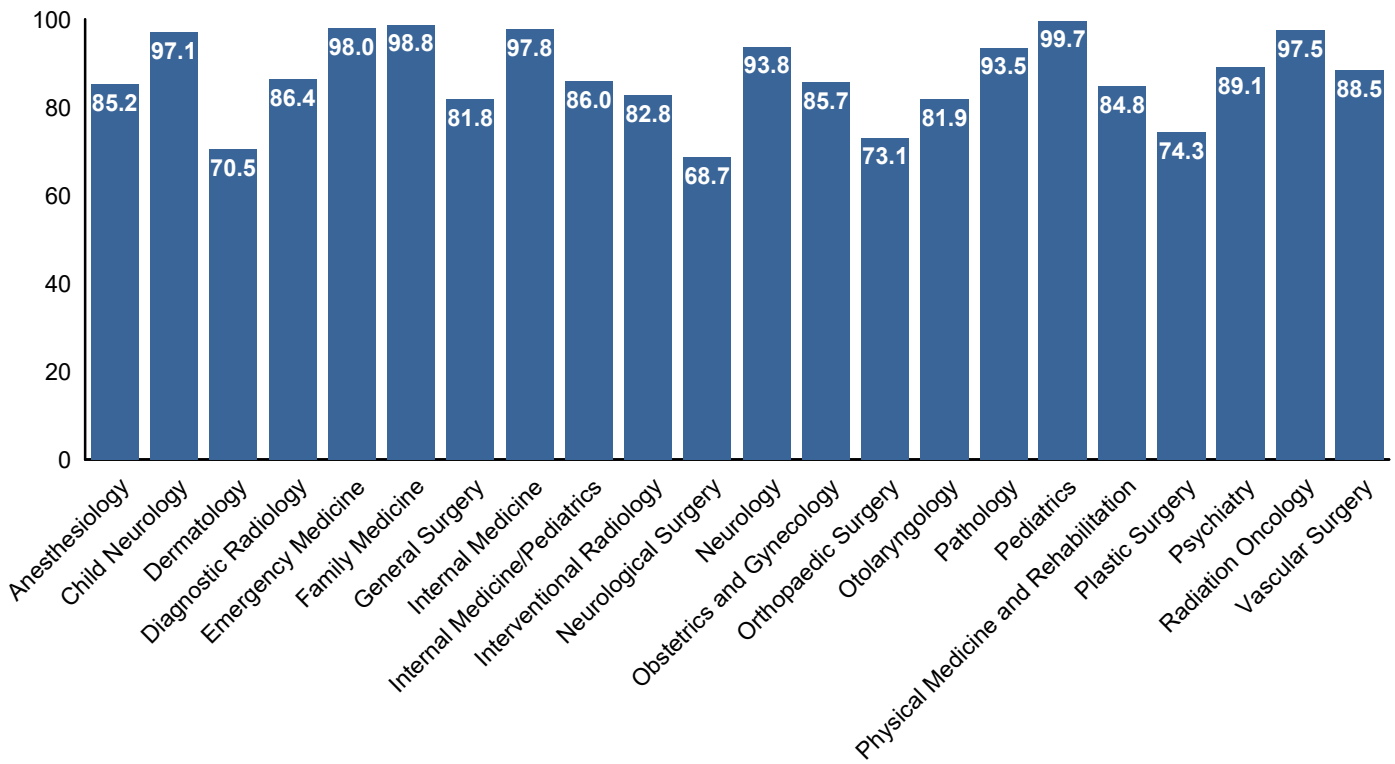
Source: NRMP Data Warehouse

Chart 2 shows the ratios of U.S. MD seniors and all applicants who preferred each specialty to available positions in that specialty. All specialties except Dermatology, Internal Medicine/Pediatrics, Neurological Surgery, Orthopaedic Surgery, Otolaryngology, and Plastic Surgery had enough positions to accommodate all U.S. MD seniors who preferred that specialty. The ratio of U.S. MD seniors was lowest for Family Medicine, Internal Medicine, and Emergency Medicine.

Chart 3

Match Rates of U.S. MD Seniors

Percent Matched by Preferred Specialty



Source: NRMP Data Warehouse

Chart 3 shows the percentages of U.S. MD seniors who matched to their preferred specialty. Overall, 89.8 percent of U.S. MD seniors matched to their preferred specialty, ranging from a high of 99.7 percent (Pediatrics) to a low of 68.7 percent (Neurological Surgery).

Table 2 Summary Statistics on U.S. MD Seniors
All Specialties Combined

Measure	Matched (n=14,315)	Not Matched (n=1,558)
1. Mean number of contiguous ranks	13.2	5.8
2. Mean number of distinct specialties ranked	1.2	1.6
3. Mean USMLE Step 1 score*	233	225
4. Mean USMLE Step 2 CK score	250	242
5. Mean number of research experiences	3.7	4.3
6. Mean number of abstracts, presentations, and publications	10.0	11.0
7. Mean number of work experiences	1.9	2.3
8. Mean number of volunteer experiences	4.5	4.9
9. Percentage who are AOA members	17.1	8.9
10. Percentage who graduated from one of the 40 U.S. medical schools with the highest NIH funding	30.5	22.6
11. Percentage who have Ph.D. degree	3.8	3.1
12. Percentage who have another graduate degree	19.2	23.8

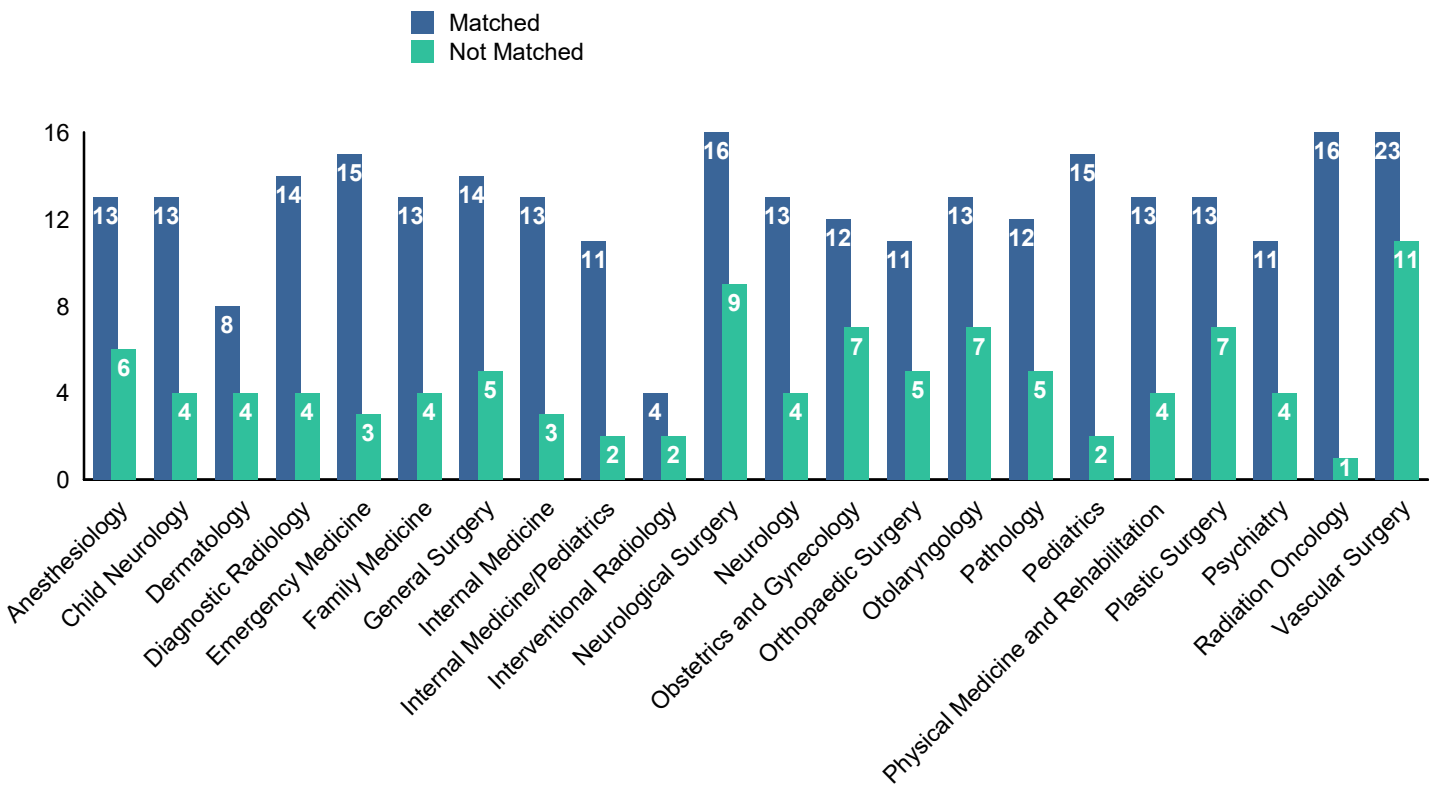
Sources. NRMP Data Warehouse; Top 40 U.S. medical schools with the highest NIH funding in measure 10 is from the NIH website (http://report.nih.gov/award/index.cfm).
* Only applicants who indicated completion of the USMLE Step 1 exam prior to the transition to pass/fail (i.e., prior to January 26, 2022) had the option to self-report their Step 1 numeric score. In 2024, only 2,143 U.S. MD seniors self-reported Step 1 numeric scores.

Table 2 provides summary statistics for all specialties by Match outcome on the 12 measures presented in this report. Data for table items 3-9, 11 & 12 were self-reported by applicants during the Main Residency Match registration process. Data on each of these measures are displayed graphically by preferred specialty on the following pages. Only U.S. MD seniors who gave consent to provide their academic information for use in research are included in this table and the rest of the report. When interpreting data on USMLE Step 1 scores, it is important to note that due to the transition from numeric scores to pass/fail, only 2,143 U.S. MD seniors self-reported their Step 1 numeric score in 2024.

Compared to U.S. MD seniors who did not match, those who matched had higher mean numbers of contiguous ranks, USMLE Step 1 scores, and USMLE Step 2 CK scores as well as higher percentages of applicants who are AOA members, graduated from one of the 40 U.S. medical schools with highest NIH funding, and have a Ph.D. Those who did not match had higher mean numbers of research experiences as well as higher percentages of applicants who have a graduate degree other than a Ph.D.

Chart 4

Median Number of Contiguous Ranks of U.S. MD Seniors
by Preferred Specialty and Match Status



Source: NRMP Data Warehouse

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

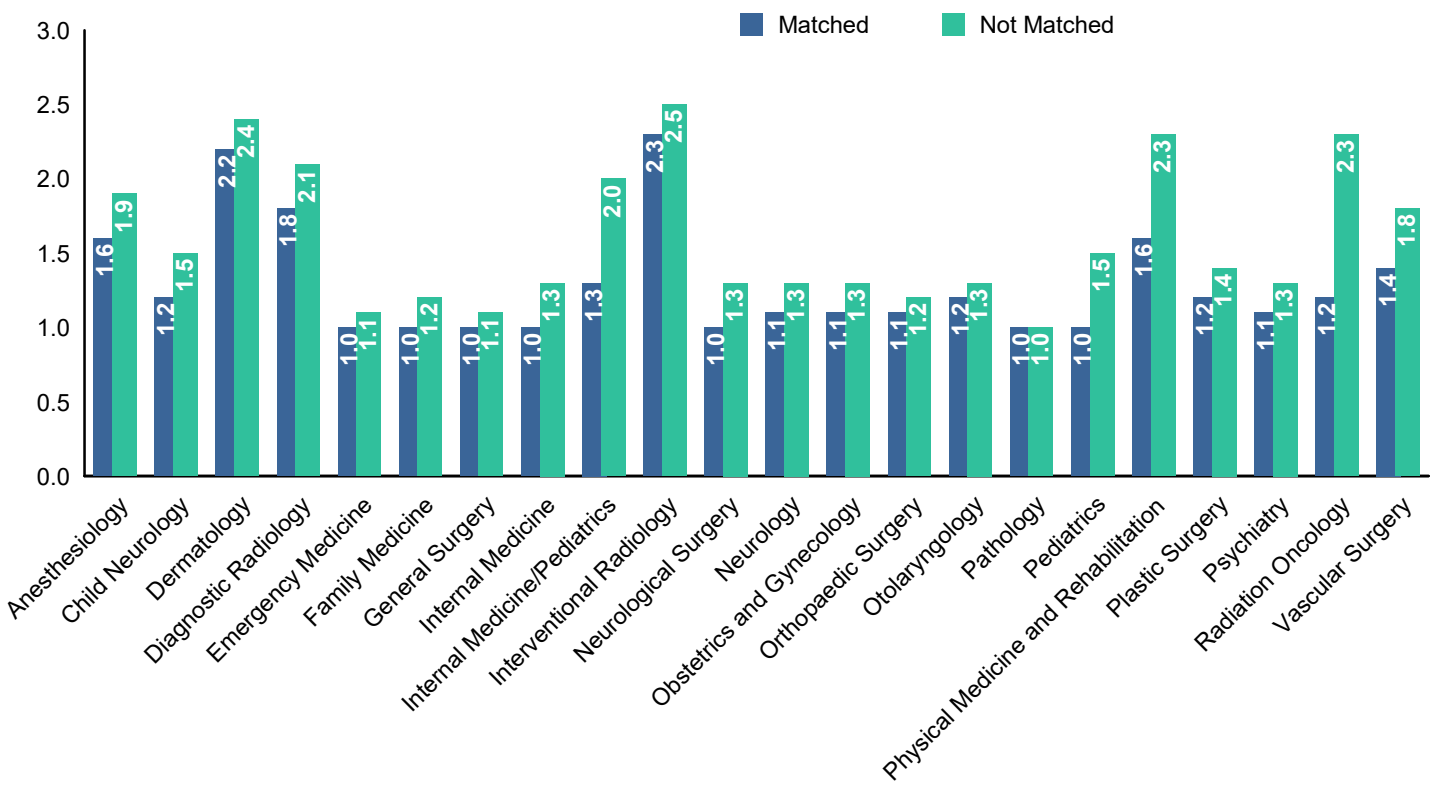
Chart 4 displays the median number of contiguous ranks by preferred specialty for U.S. MD seniors who matched and did not match to their preferred specialty. The chart shows some variation across the specialties for U.S. MD seniors. Vascular Surgery had the longest average contiguous rank list (23) for matched U.S. MD seniors while Interventional Radiology had the shortest (4). For all specialties, U.S. MD seniors who matched to their preferred specialty had median contiguous rank lists that were longer than those of U.S. MD seniors who did not match.

The principal message is that applicants with longer rank order lists are more successful than those with shorter ones. Some applicants may have shorter lists because they found only a few programs willing to entertain their applications and extend interview offers.

Chart 5

Mean Number of Different Specialties Ranked by U.S. MD Seniors

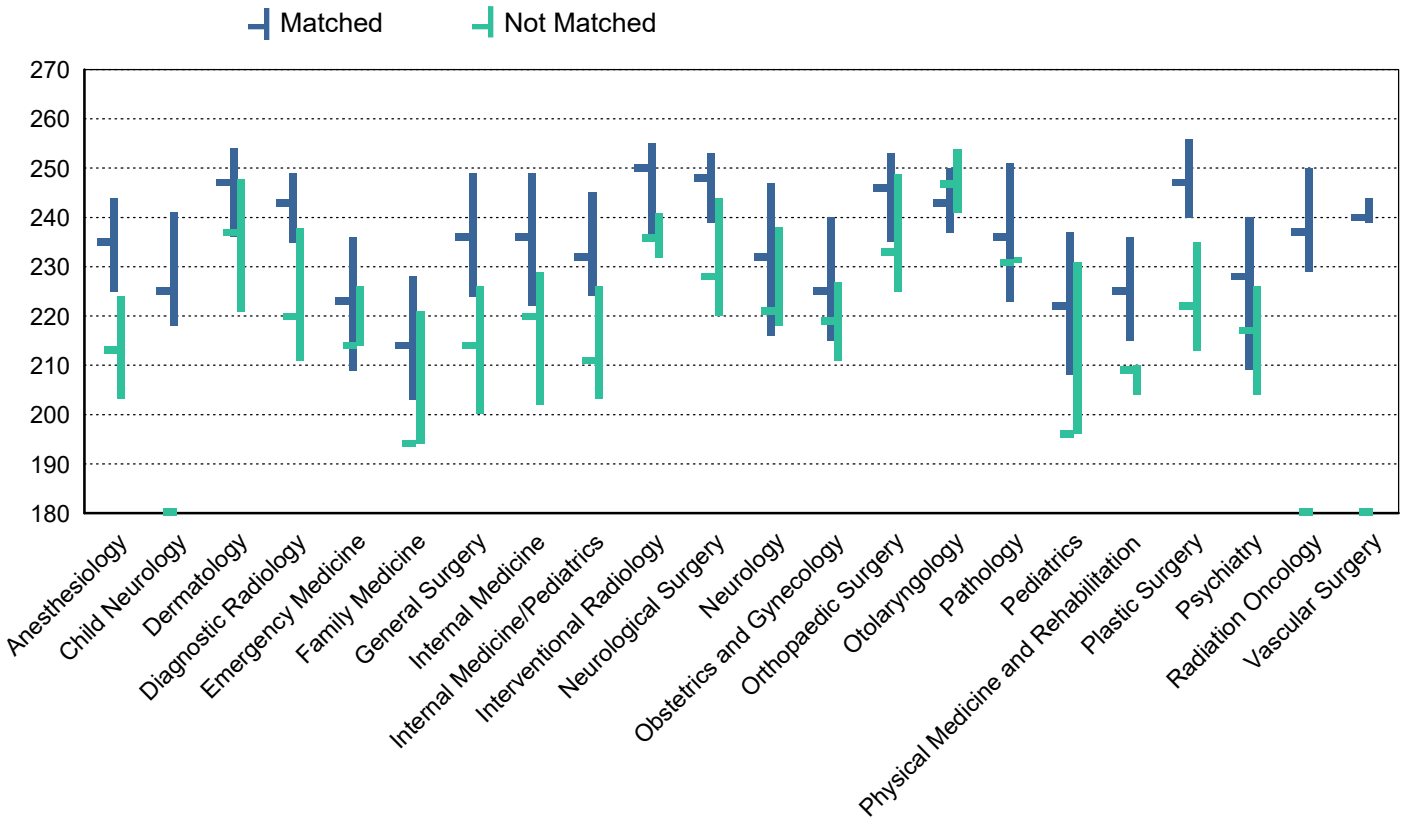
by Preferred Specialty and Match Status



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 preferred specialty and Match outcome. For all specialties except Pathology, U.S. MD seniors who did not match to their preferred specialty had a higher mean number of different specialties ranked.

Chart 6 USMLE Step 1 Scores of U.S. MD Seniors
by Preferred Specialty and Match Status



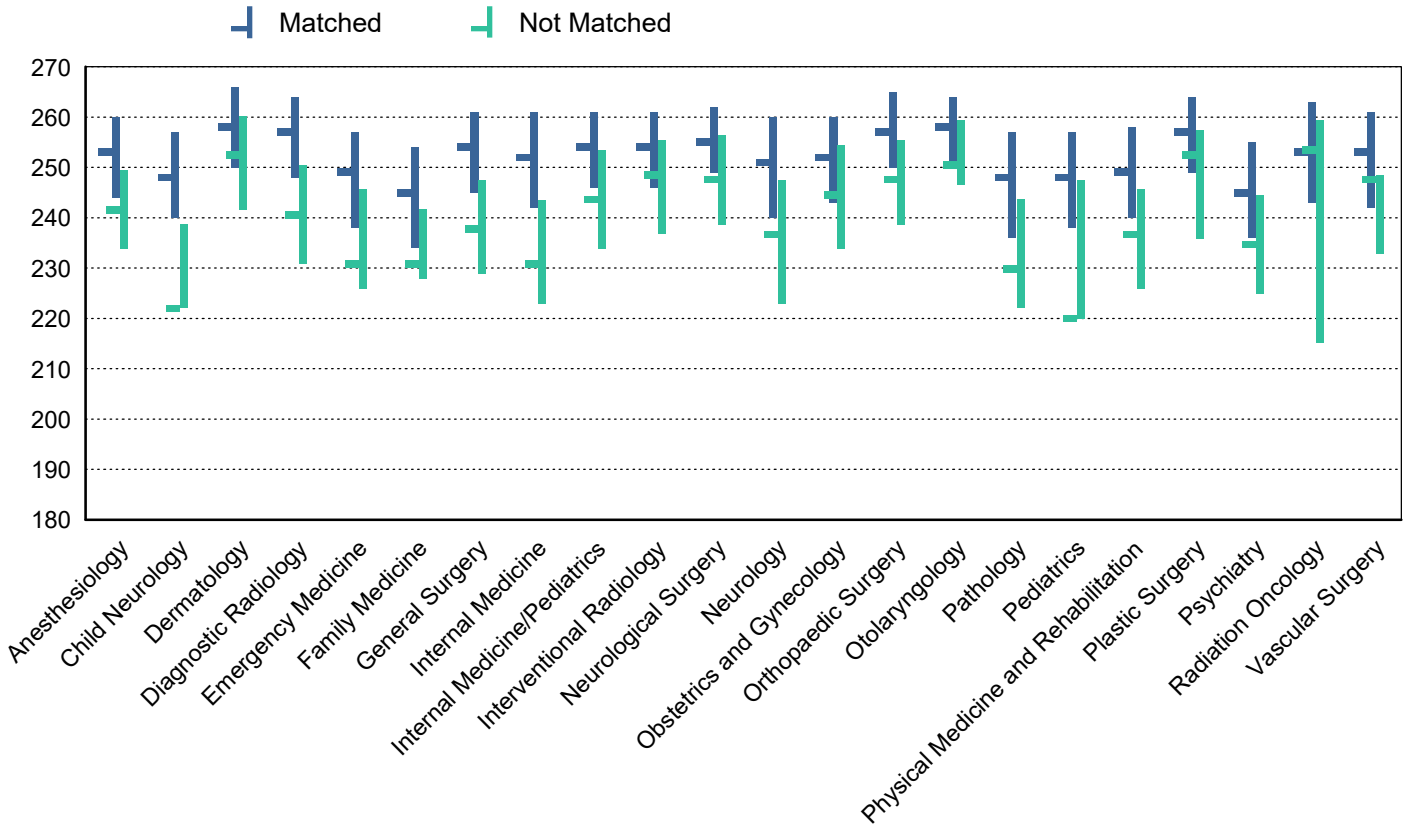
Source: NRMP Data Warehouse

The USMLE Step 1 exam aims to measure a student's understanding of important basic science concepts and the ability to apply that knowledge to the practice of medicine. USMLE Step 1 exams taken prior to January 26, 2022 produced a numeric score. From this date forward, Step 1 exam results transitioned to pass/fail, resulting in numeric score information not being available to applicants nor programs. In 2024, 2,143 (13.3%) of U.S. MD seniors self-reported Step 1 scores from exams taken prior to the transition. The results presented in Chart 6 and below should be interpreted with this in mind.

Overall, U.S. MD seniors who matched to their preferred specialty in this limited dataset have *mean* USMLE Step 1 scores of 233.2 (s.d. = 18.4). Chart 6 displays the Step 1 scores for U.S. MD seniors by specialty and match status. The horizontal bars are the *median* values and the vertical lines show the interquartile ranges (IQR, the range of scores for applicants excluding the top and bottom quarters of the distribution). Scores are generally higher for the more competitive specialties, but there is substantial overlap when specialties are compared.

Across all specialties except Otolaryngology, the IQR of U.S. MD seniors who matched to their preferred specialties was higher than that of those who did not match.

Chart 7 USMLE Step 2 CK Scores of U.S. MD Seniors
by Preferred Specialty and Match Status



Source: NRMP Data Warehouse

USMLE Step 2 CK 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. MD seniors who matched to their preferred specialty had *mean* USMLE Step 2 CK scores of 250.4 (s.d. = 13.2), well above the 2024 minimum passing score of 214. Step 2 CK scores were available for 98.4 percent of U.S. MD seniors who consented to provide this information.

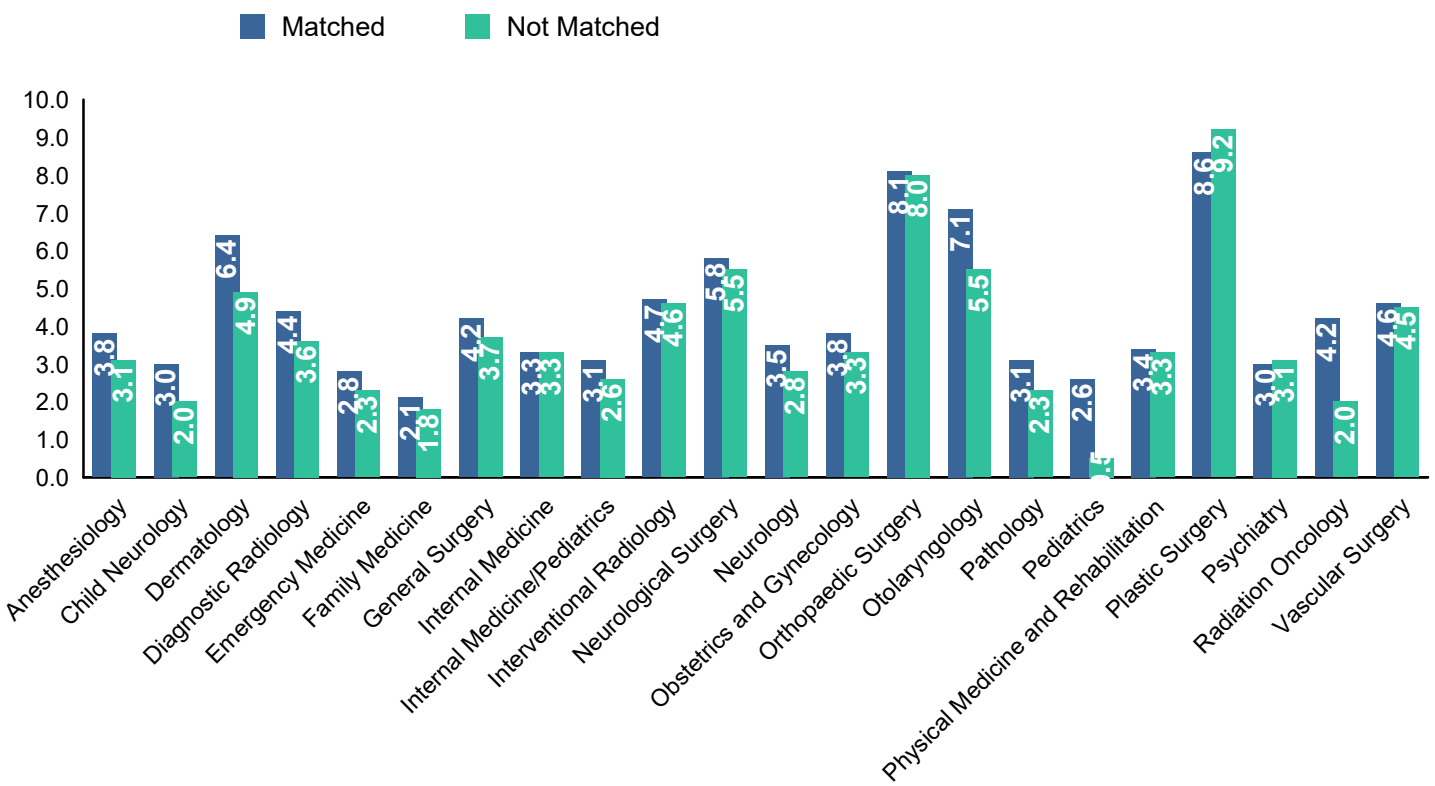
Chart 7 shows the Step 2 CK scores for U.S. MD seniors by preferred specialty and match status. The horizontal bars are the *median* values, and the vertical bars show the interquartile ranges. As was the case for the Step 1 scores, the more competitive specialties have higher average Step 2 CK scores, but the overall variation is smaller.

Across all specialties, the IQR of U.S. MD seniors who matched to their preferred specialties was higher than that of those who did not match.

Chart 8

Mean Number of Research Experiences of U.S. MD Seniors

by Preferred Specialty and Match Status



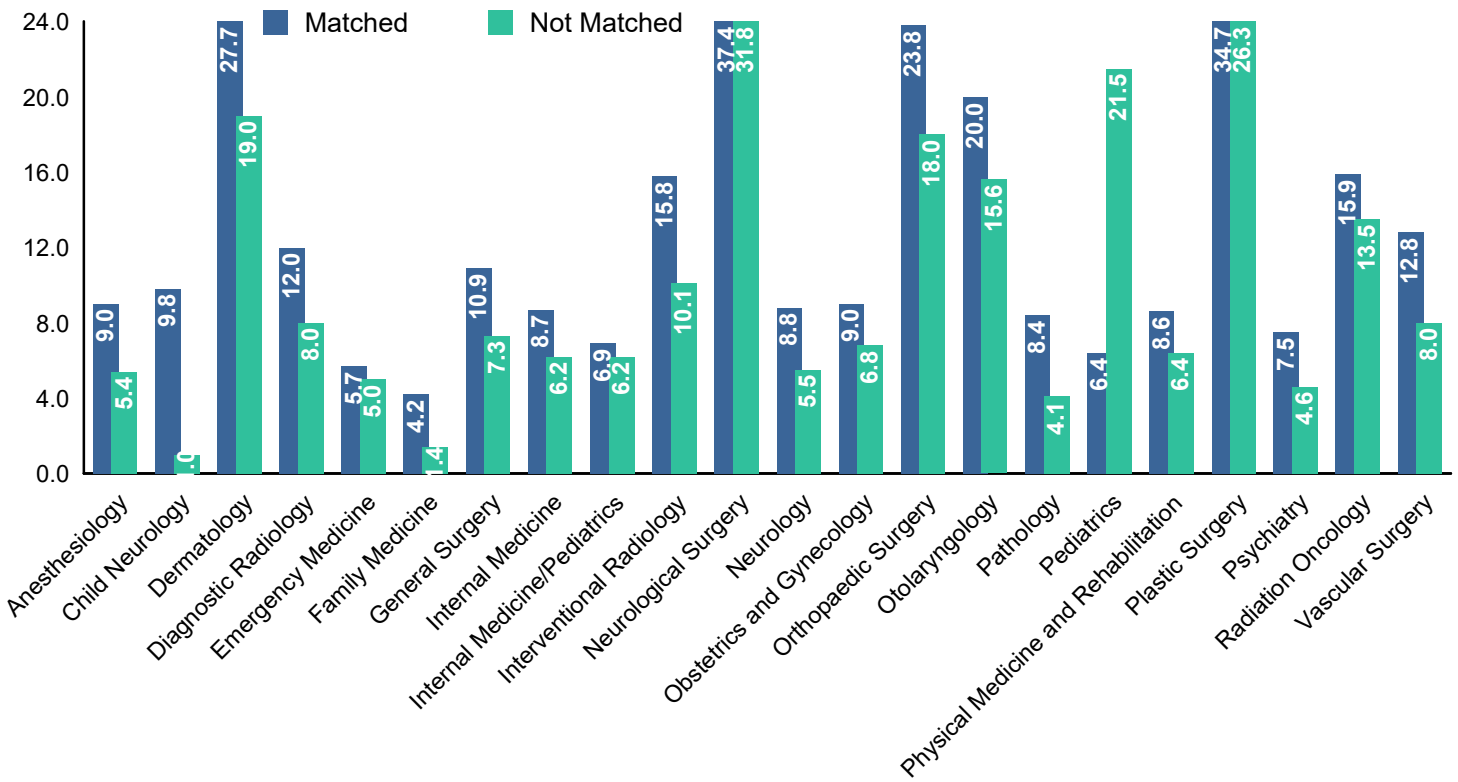
Source: NRMP Data Warehouse

Applicants were asked to report the number of research experiences entered into their applications. The experiences are not verified or evaluated and quality may vary greatly. Chart 8 shows the average number of research experiences by preferred specialty and Match outcome. U.S. MD seniors averaged 3.8 research experiences, with 85.1 percent reporting this information. For all specialties except Plastic Surgery and Psychiatry, matched U.S. MD seniors had on average more or equal numbers of research experiences compared to those who did not match.

Chart 9

Mean Number of Abstracts, Presentations, and Publications of U.S. MD Seniors

by Preferred Specialty and Match Status



Source: NRMP Data Warehouse

Applicants were asked to list the number of abstracts, presentations, and publications they reported in their applications. 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.

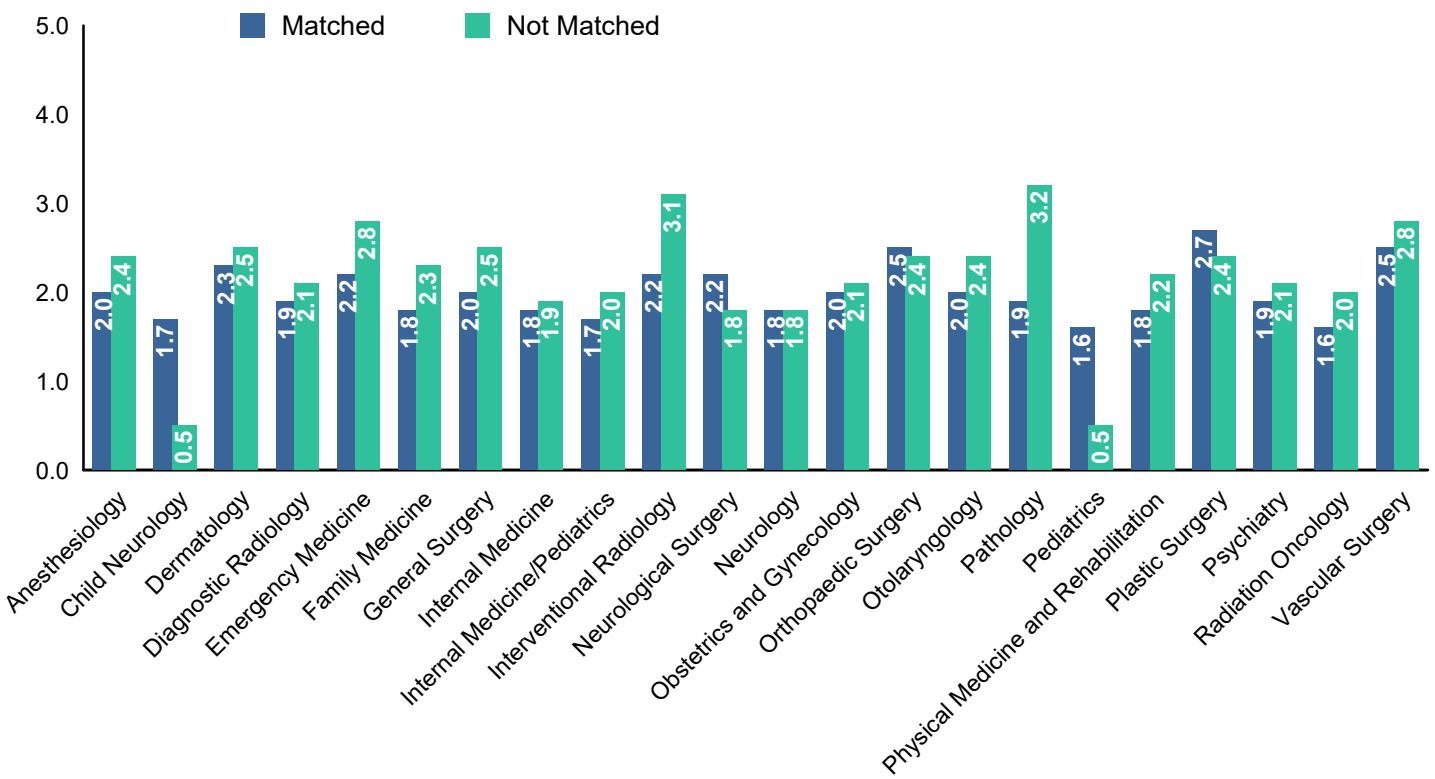
Many applicants report abstracts, presentations, or publications, sometimes dozens or even hundreds. In the individual specialty sections, we distinguish between no (0) publications, 1 to 5 publications, and more than 5 publications. Chart 9 shows the average number of publications by preferred specialty and match status.

U.S. MD seniors averaged 10.2 abstracts, presentations, and publications, with 85.9 percent reporting this information. Matched U.S. MD seniors had a higher mean number of abstracts, presentations, and publications in all specialties except in Pediatrics compared to those who did not match.

Chart 10

Mean Number of Work Experiences of U.S. MD Seniors

by Preferred Specialty and Match Status

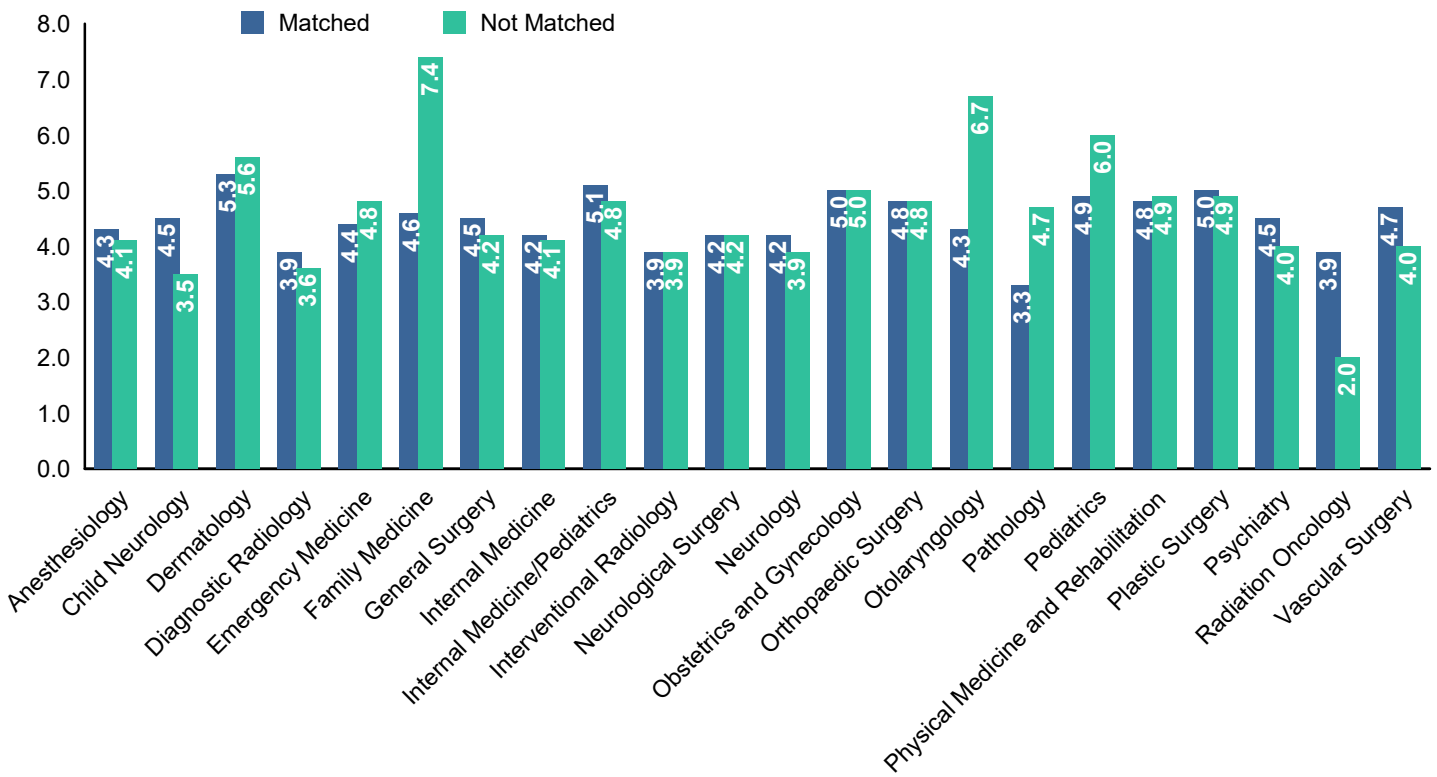


Source: NRMP Data Warehouse

Applicants were asked to list the number of work experiences they reported in their application. Chart 10 shows the average number of work experiences by preferred specialty and match status. There is little variation across specialties or within specialties (matched or not matched) for U.S. MD seniors. 83.9 percent of U.S. MD seniors reported work experiences, with an average of 2.0 work experiences for all U.S. MD seniors. Differences in mean number of work experiences are small in most specialties.

Chart 11

Mean Number of Volunteer Experiences of U.S. MD Seniors
by Preferred Specialty and Match Status



Source: NRMP Data Warehouse

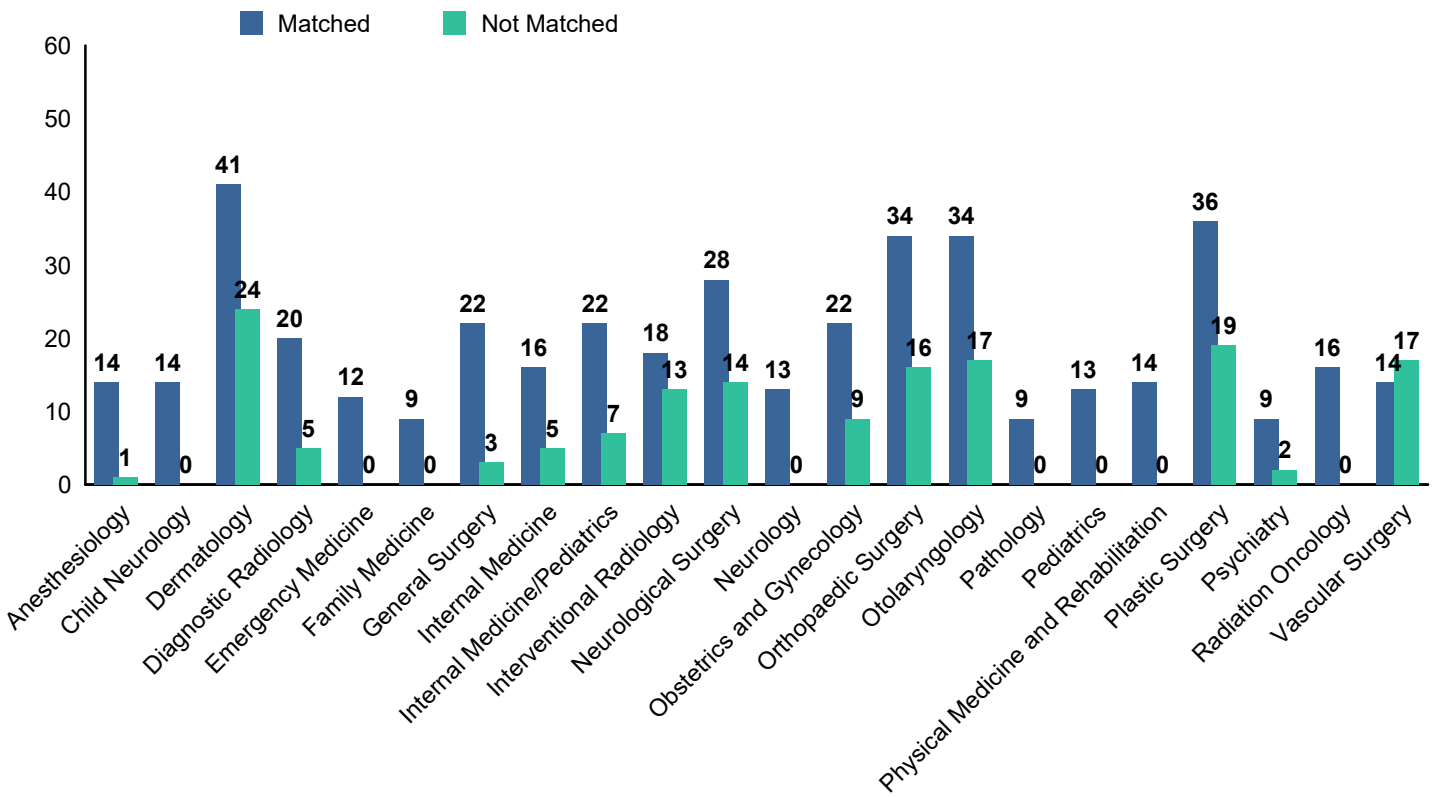
One outlier was removed for Interventional Radiology. The removal of this outlier (250 volunteer experiences) reduced the overall mean among those who preferred Interventional Radiology but did not match from 15.6 to 3.9 volunteer experiences.

Applicants were asked to list the number of volunteer experiences they reported in their applications. Chart 11 displays the average number of volunteer experiences by preferred specialty and match status. Across most specialties, U.S. MD seniors who matched and did not match have similar average number of reported volunteer experiences. U.S. MD seniors averaged 4.5 volunteer experiences, with 84.4 percent reporting at least one experience.

Chart 12

Percentage of U.S. MD Seniors Who Are Members of AOA

by Preferred Specialty and Match Status



Source: NRMP Data Warehouse

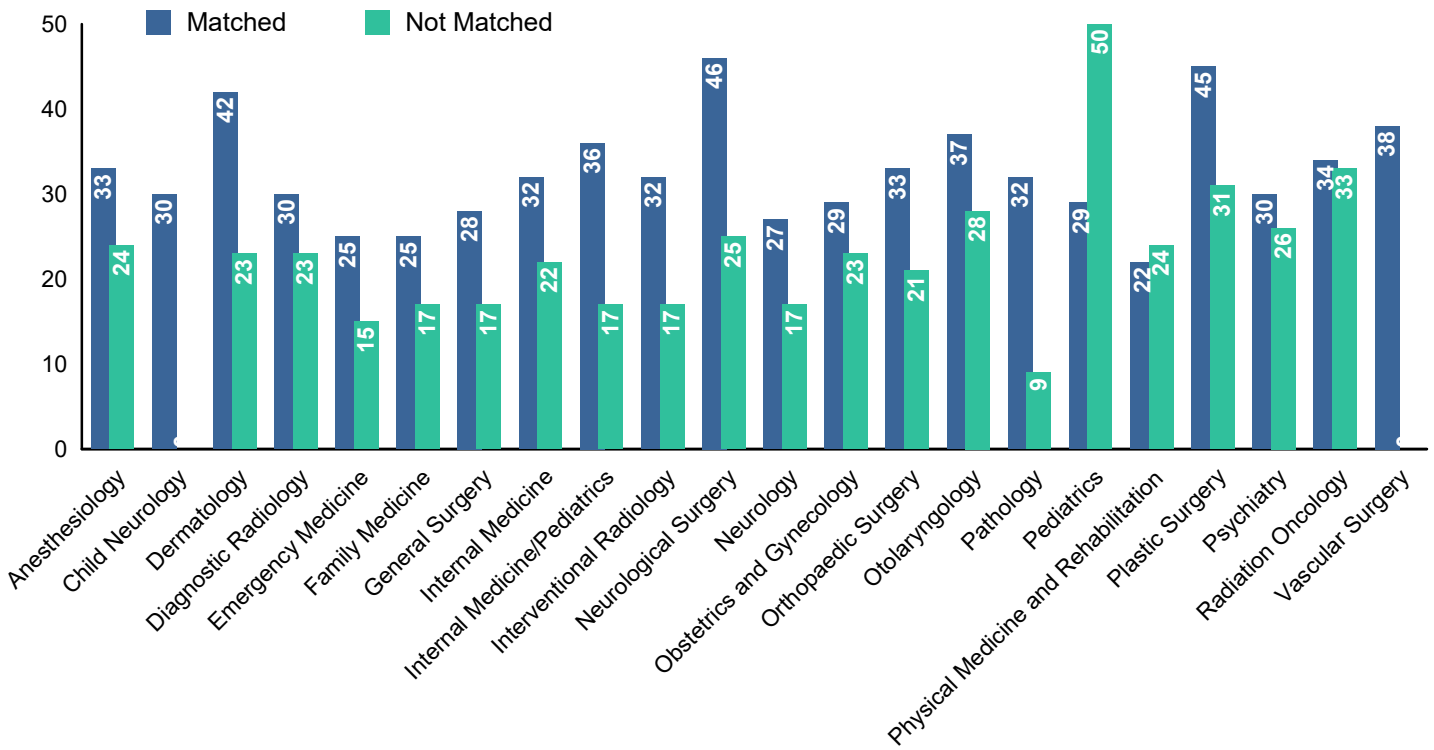
Membership in Alpha Omega Alpha (AOA) Honor Medical Society is an honor reserved for students with high academic achievement. AOA membership is limited to students in medical schools that sponsor an AOA chapter. Most, but not all M.D. granting medical schools, in the United States participate. An analysis 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.

Data on AOA membership are self-reported. Overall, 16.4 percent of U.S. MD seniors reported AOA membership. Among U.S. MD seniors who matched to their preferred specialty, 17.1 percent reported AOA membership, compared to 8.9 percent of unmatched applicants. In all specialties with the exception of Vascular Surgery, there were greater numbers of U.S. MD seniors who matched reporting AOA membership compared to those who did not match.

Chart 13

Percentage of U.S. MD Seniors Graduating from One of the 40 U.S. Medical Schools with the Highest NIH Funding*

by Preferred Specialty and Match Status



Source: NRMP Data Warehouse

*NIH funding information was obtained from NIH website: http://report.nih.gov/award/index.cfm.

Some program directors may give preference to applicants with research experience or who graduated from a research-intensive medical school. To test that assumption, we obtained data on the amount of NIH grant awards and identified the 40 schools with the highest NIH funding. This measure, by definition, is limited to students of U.S. medical schools. Overall, 30.9 percent of matched and 23.0 percent of unmatched MD seniors were graduates of one of the 40 medical schools with the highest NIH funding.

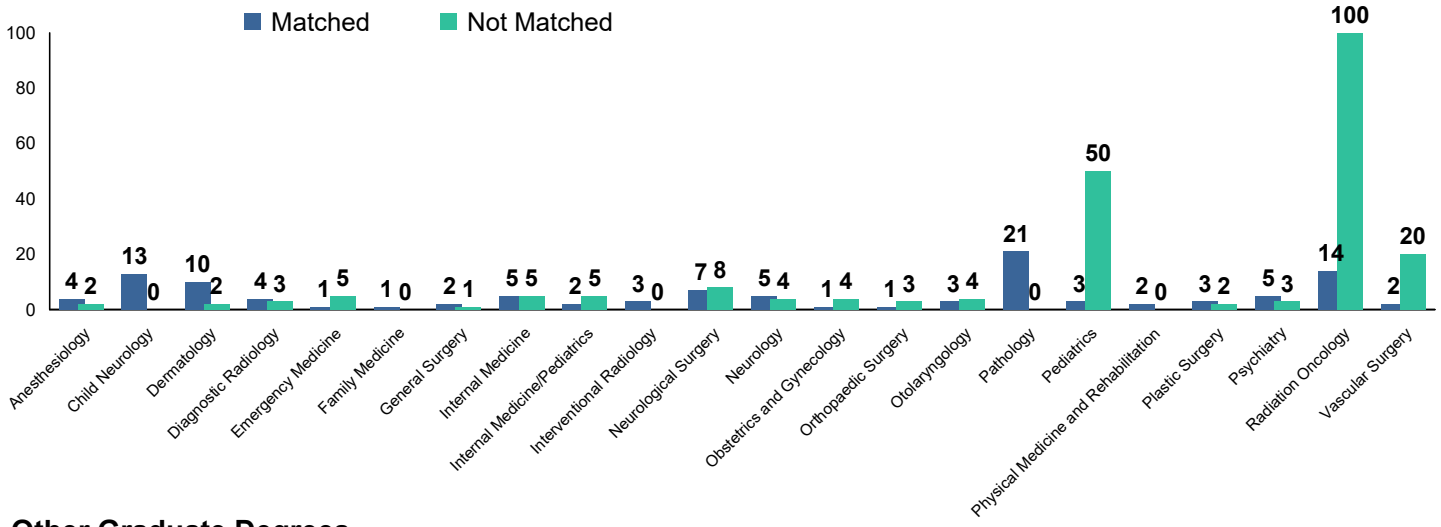
Chart 13 shows the percentage of U.S. MD seniors who graduated from those schools by preferred specialty and Match status. For example, 33 percent of U.S. MD seniors who matched in Anesthesiology were graduates of one of the 40 medical schools with the highest NIH funding, and 24 percent of U.S. MD seniors who did not match in Anesthesiology were graduates of those schools.

Neurological Surgery had the highest percentage of matched U.S. MD seniors who were graduates of a medical school with the highest NIH funding. Plastic Surgery, Dermatology, Vascular Surgery, and Otolaryngology also had higher percentages of matched applicants from those schools compared to the other specialties. For all specialties except Pediatrics and Physical Medicine and Rehabilitation, smaller percentages of MD seniors who did not match to their preferred specialty were graduates of a medical school with the highest NIH funding compared to MD seniors who matched.

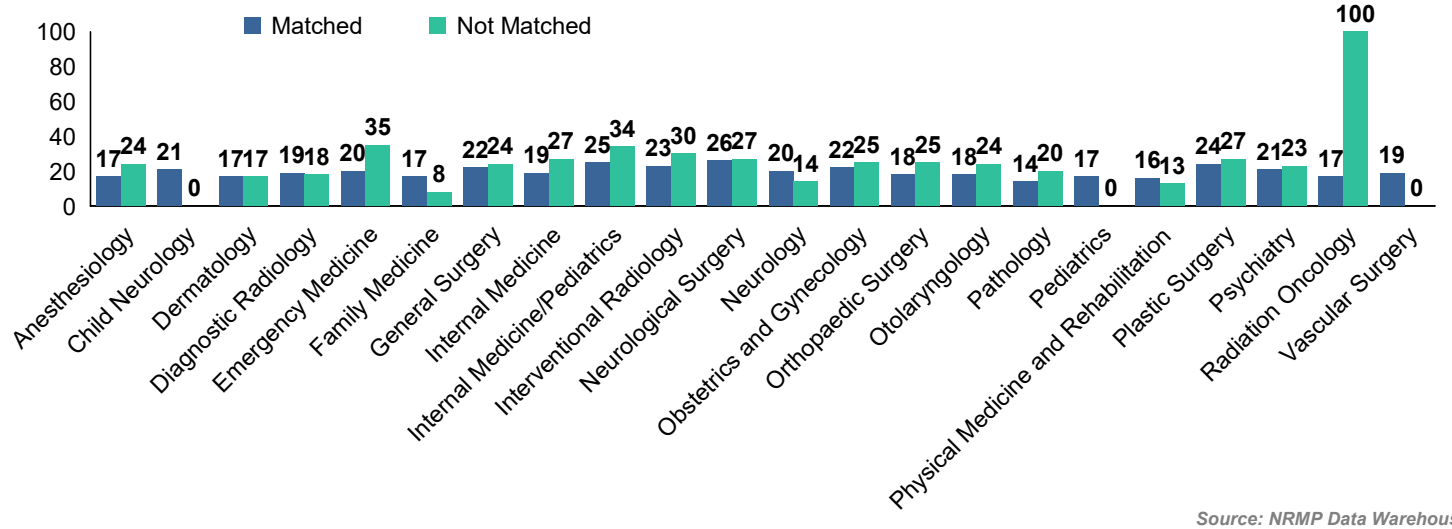
Chart 14

Percentage of U.S. MD Seniors Who Have a Graduate Degree
by Preferred Specialty and Match Status

Ph.D.



Other Graduate Degrees



Source: NRMP Data Warehouse

Chart 14 shows by preferred specialty and match status the percentage of U.S. MD seniors who have a Ph.D. and/or other graduate degrees. Pathology, Radiation Oncology, Child Neurology, Dermatology, and Neurological Surgery had the highest percentages of matched U.S. MD seniors with a Ph.D. degree. For most specialties, the percentage of unmatched U.S. MD seniors who have other graduate degrees was higher than that of their matched counterparts.

AN Anesthesiology

Table AN-1 Summary Statistics on U.S. MD Seniors
Anesthesiology

Measure	Matched (n=1,136)	Unmatched (n=191)
1. Mean number of contiguous ranks	13.7	7.0
2. Mean number of distinct specialties ranked	1.6	1.9
3. Mean USMLE Step 1 score*	234	216
4. Mean USMLE Step 2 score	252	240
5. Mean number of research experiences	3.8	3.1
6. Mean number of abstracts, presentations, and publications	9.0	5.4
7. Mean number of work experiences	2.0	2.4
8. Mean number of volunteer experiences	4.3	4.1
9. Percentage who are AOA members	14.4	0.5
10. Percentage who graduated from one of the 40 U.S. medical schools with the highest NIH funding	33.1	24.1
11. Percentage who have Ph.D. degree	3.8	1.6
12. Percentage who have another graduate degree	17.2	24.1

Note: Only U.S. MD seniors who gave consent to use their information in research are included.
*Only applicants who indicated completion of the USMLE Step 1 exam prior to the transition to pass/fail (i.e., prior to January 26, 2022) had the option to self-report their Step 1 numeric score. In 2024, only 2,143 U.S. MD seniors self-reported Step 1 numeric scores.
Sources. NRMP Data Warehouse; Top 40 U.S. medical schools with the highest NIH funding in measure 10 is from the NIH website (http://report.nih.gov/award/index.cfm).

Chart AN-1

Number of Distinct Specialties Ranked by U.S. MD Seniors

Anesthesiology

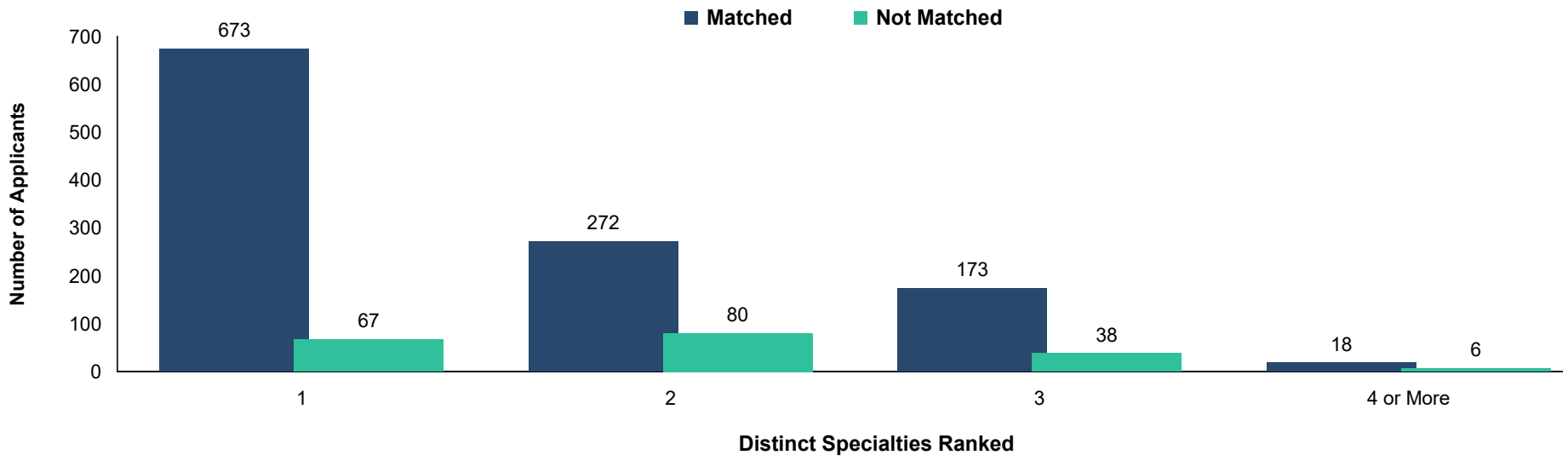
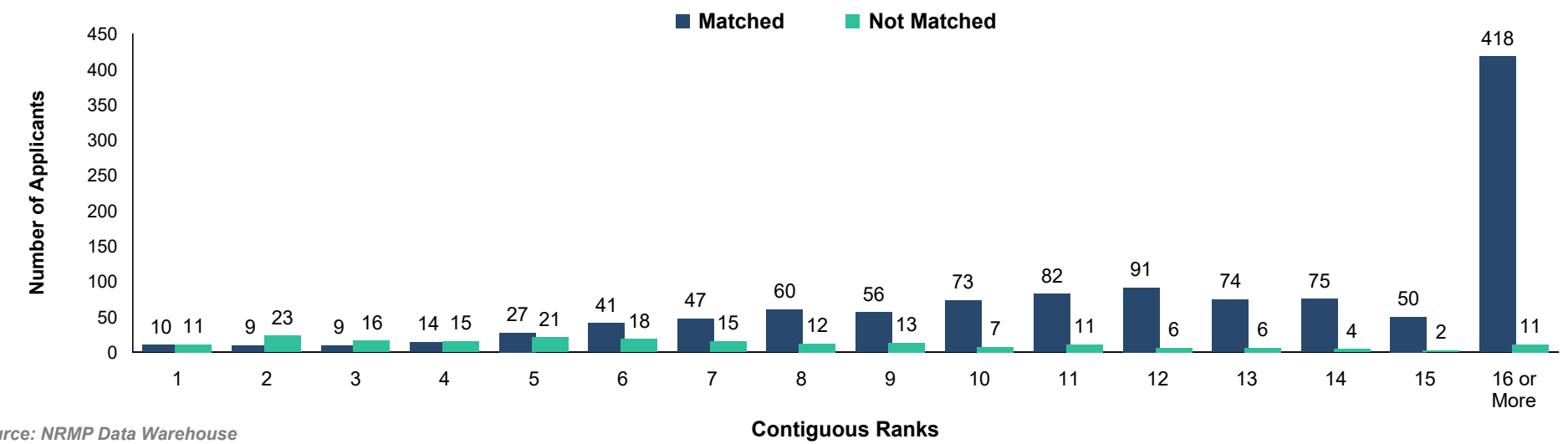


Chart AN-2

Number of Contiguous Ranks of U.S. MD Seniors

Anesthesiology

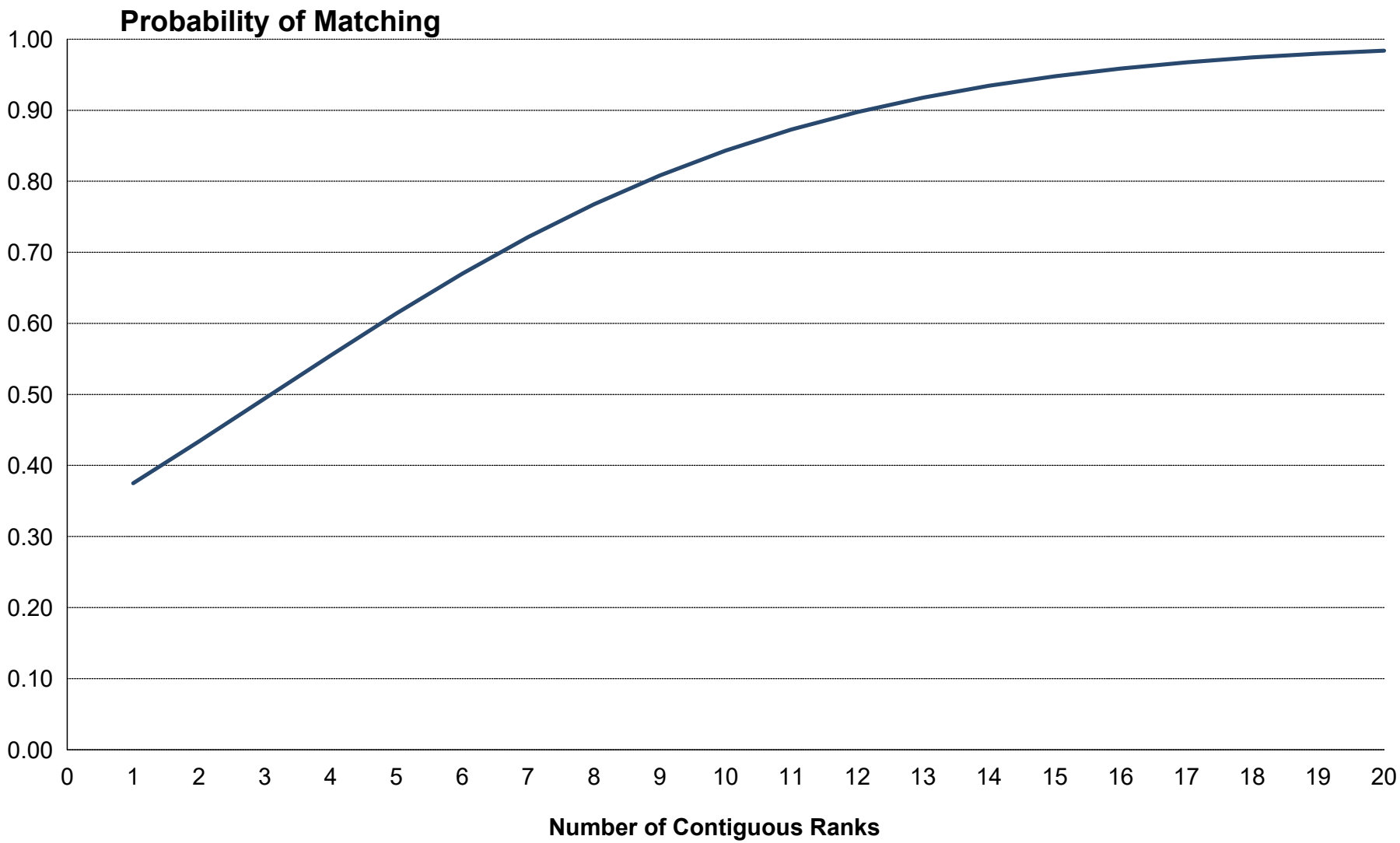


Source: NRMP Data Warehouse

Graph AN-1

Probability of U.S. MD Seniors Matching to Preferred Specialty by Number of Contiguous Ranks

Anesthesiology



Source: NRMP Data Warehouse. Note: Probabilities calculated based on 2022-2024 applicants

Chart AN-3

USMLE Step 1 Scores of U.S. MD Seniors

Anesthesiology

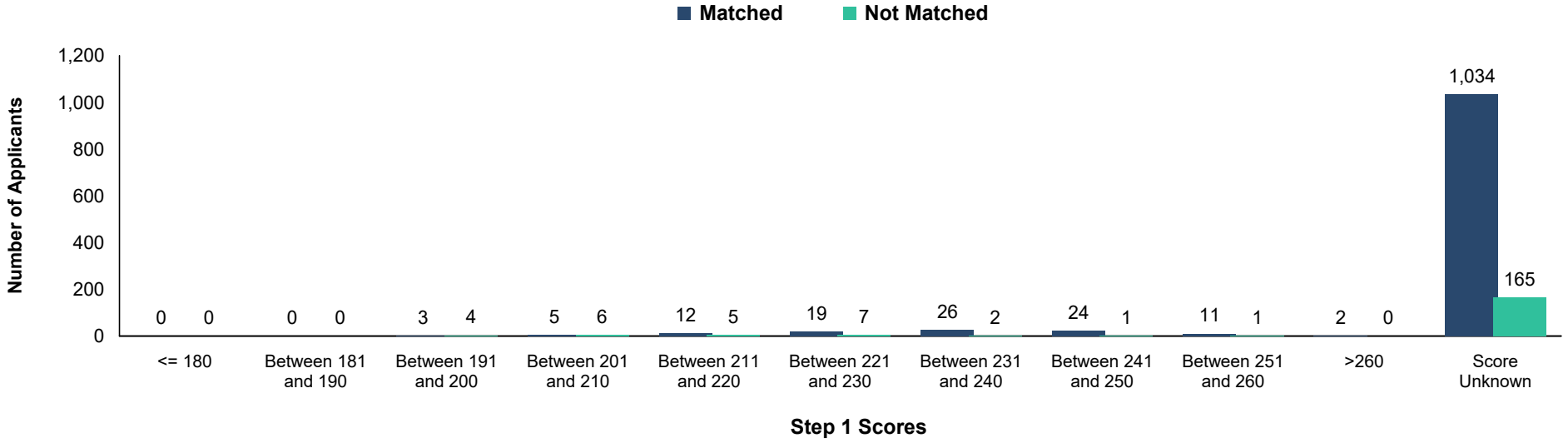
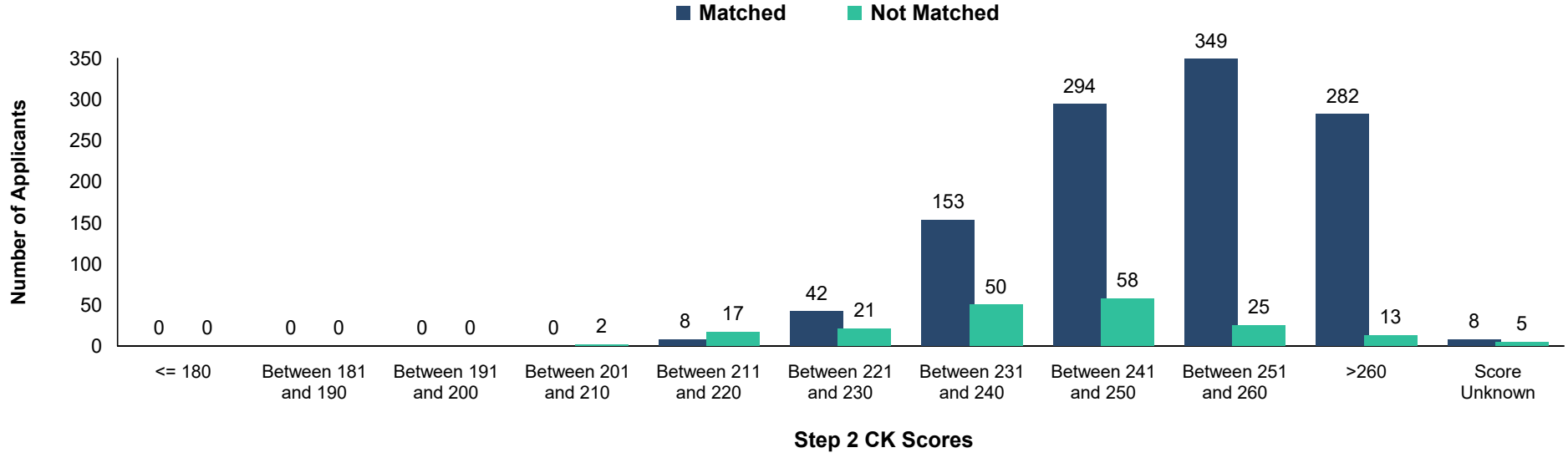


Chart AN-4

USMLE Step 2 CK Scores of U.S. MD Seniors

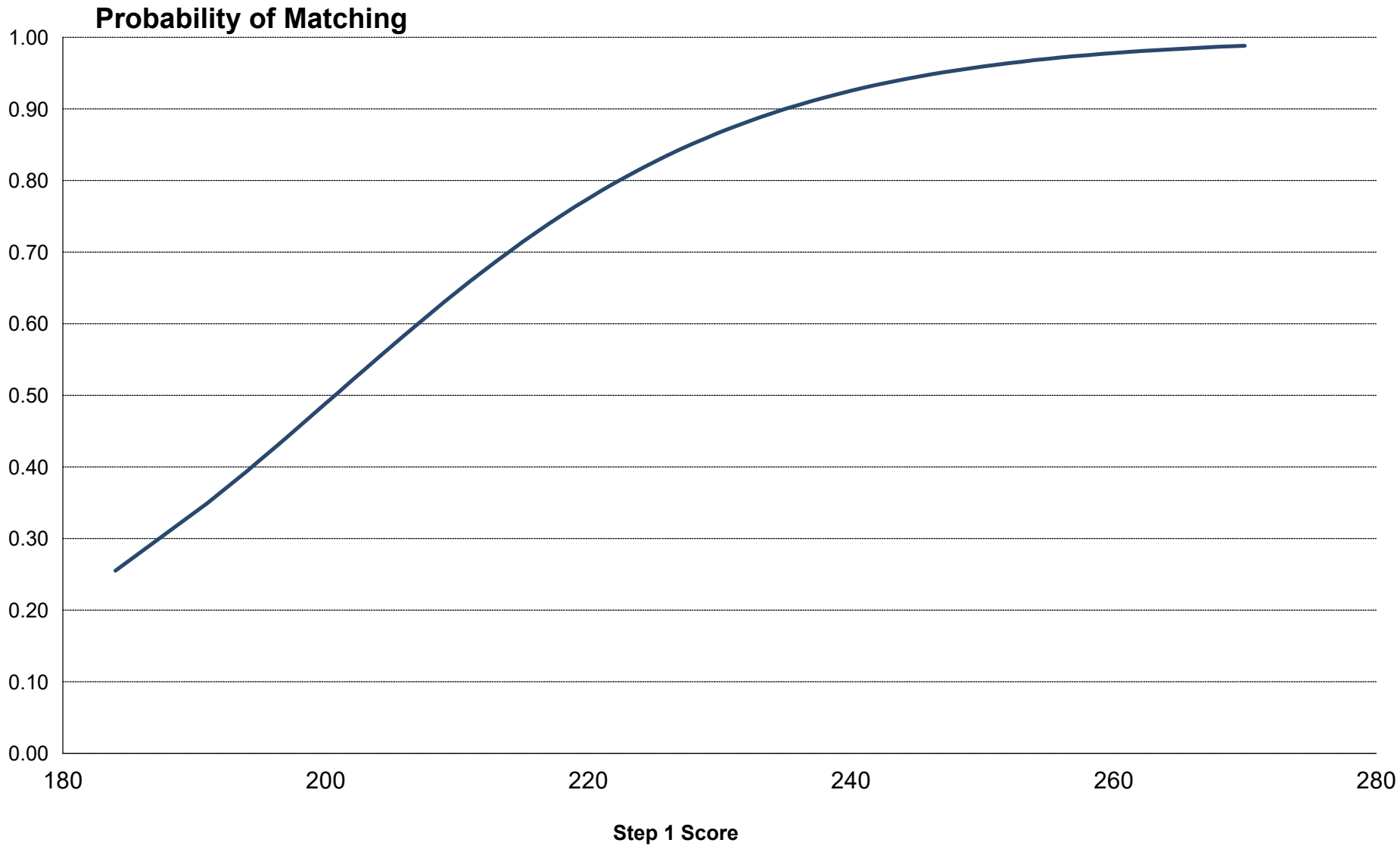
Anesthesiology



Graph AN-2

Probability of U.S. MD Seniors Matching to Preferred Specialty by USMLE Step 1 Score

Anesthesiology

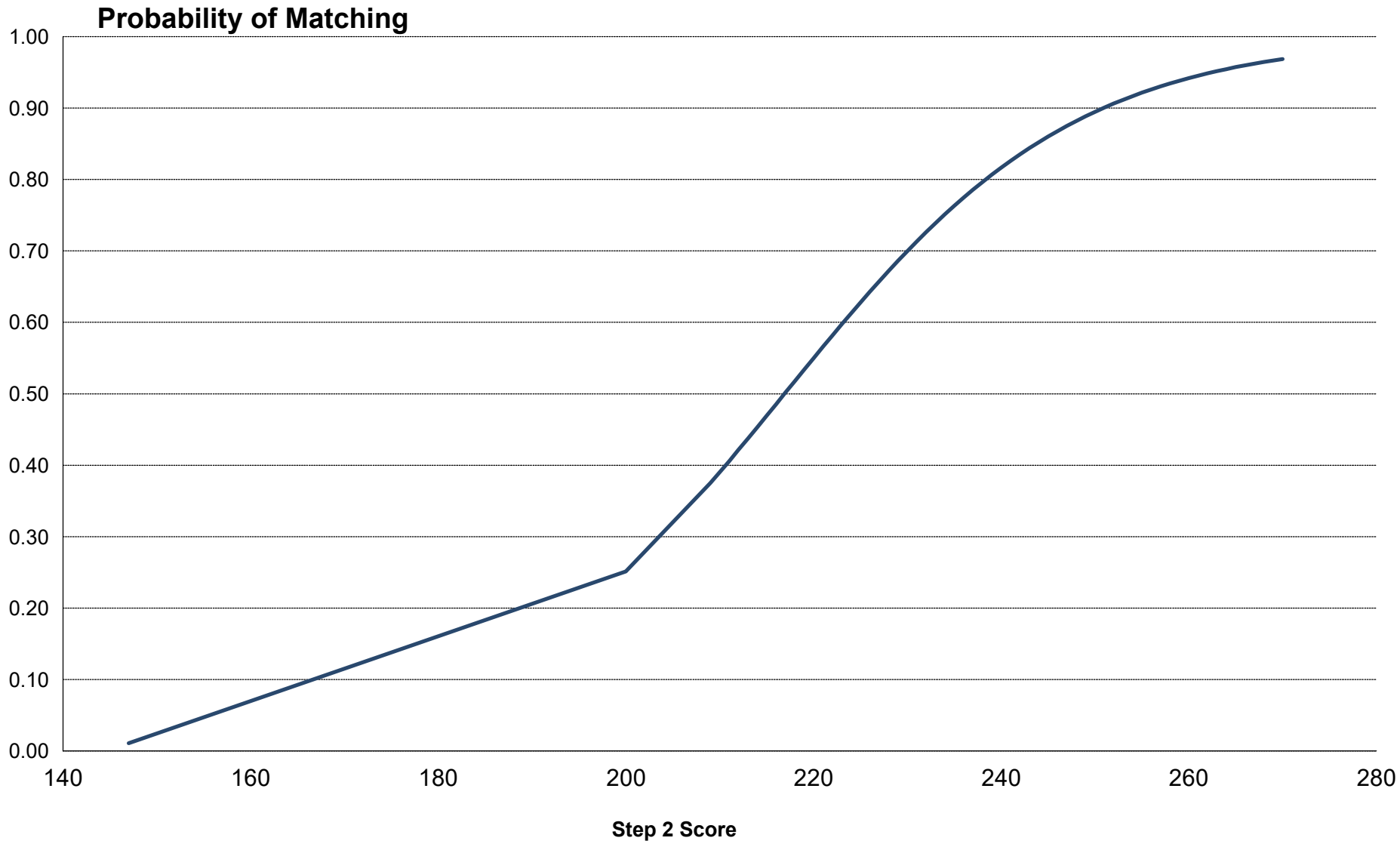


Source: NRMP Data Warehouse. Note: Probabilities calculated based on 2022-2024 applicants.

Graph AN-3

Probability of U.S. MD Seniors Matching to Preferred Specialty by USMLE Step 2 Score

Anesthesiology



Source: NRMP Data Warehouse. Note: Probabilities calculated based on 2022-2024 applicants.

Chart AN-5

Number of Research Projects of U.S. MD Seniors

Anesthesiology

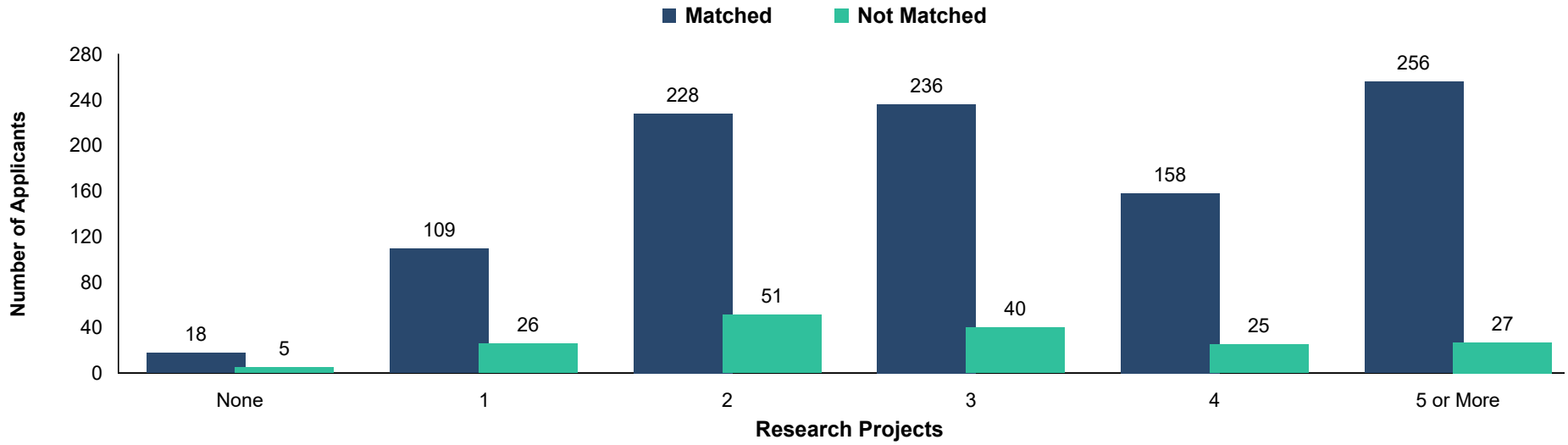
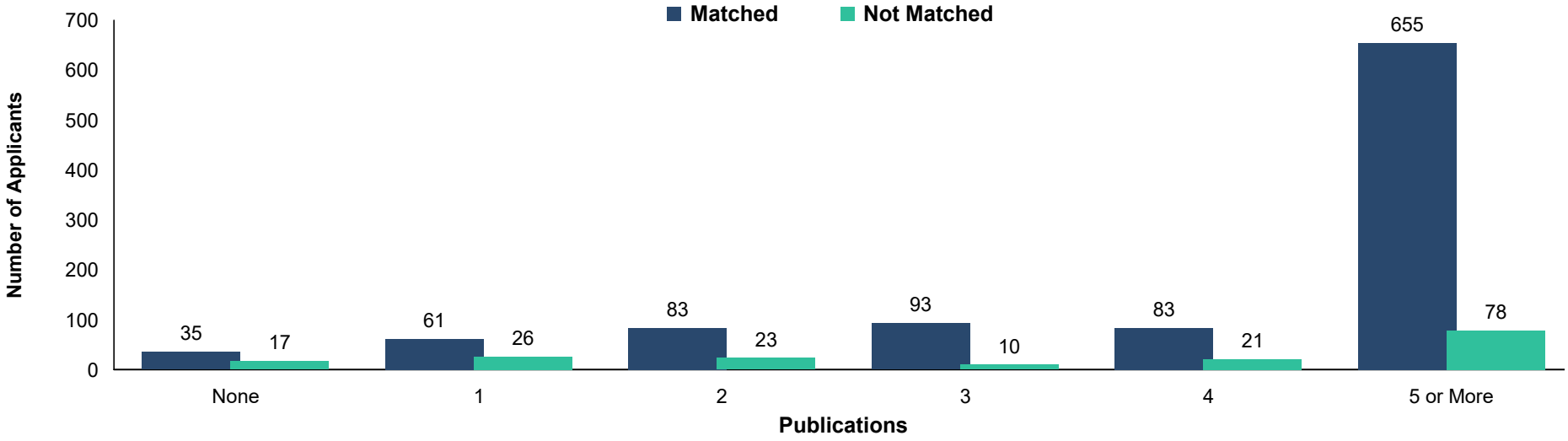


Chart AN-6

Number of Abstracts, Presentations, and Publications of U.S. MD Seniors

Anesthesiology



Source: NRMP Data Warehouse

Chart AN-7

Number of Work Experiences of U.S. MD Seniors

Anesthesiology

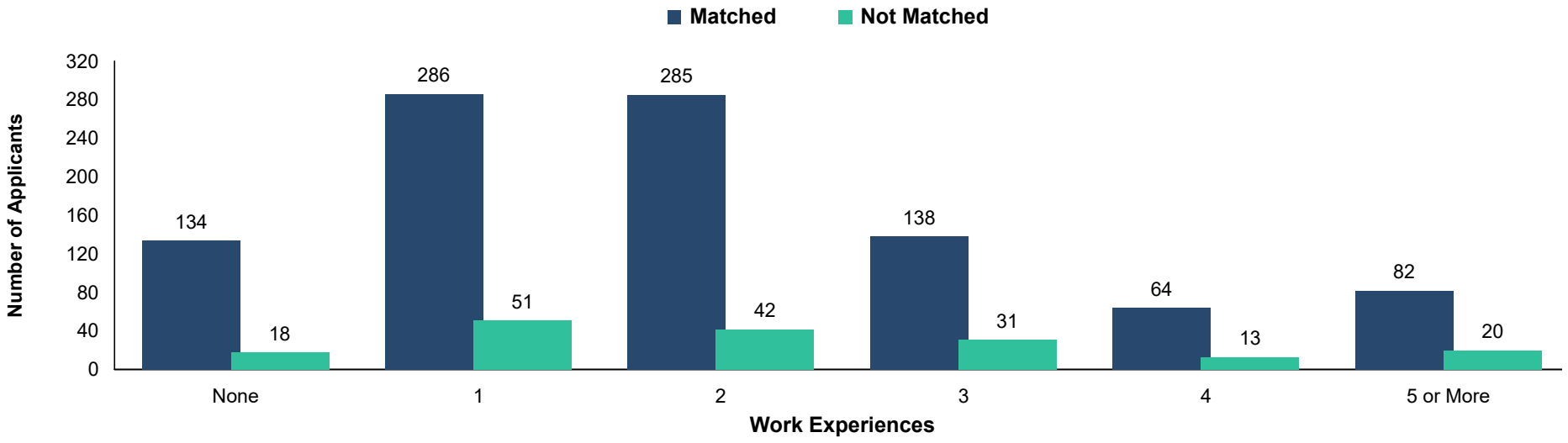
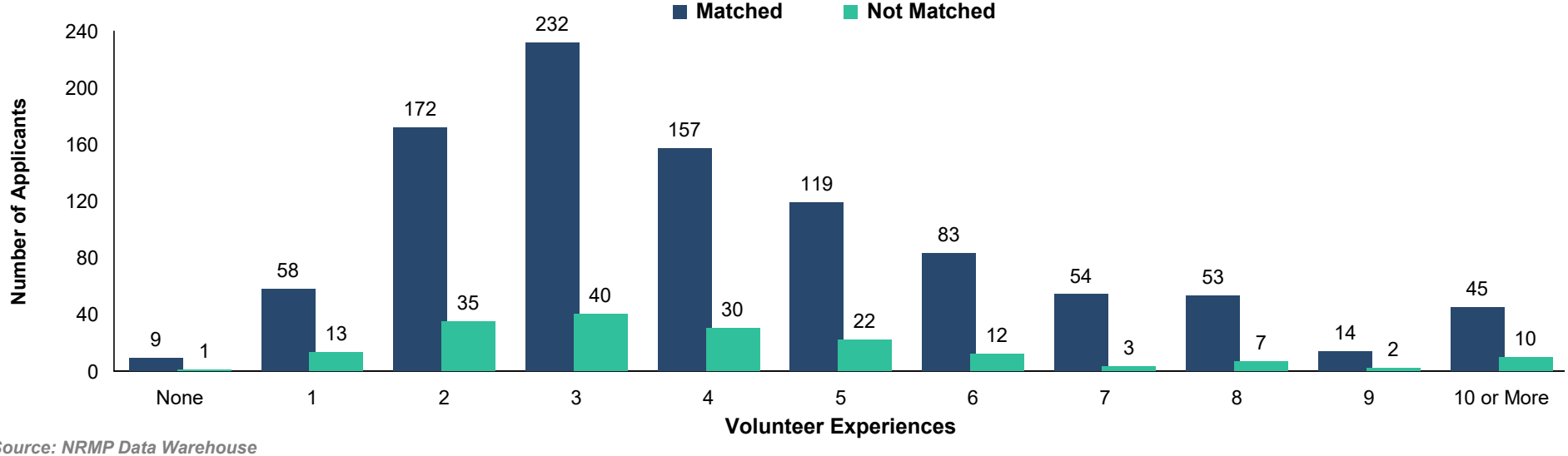


Chart AN-8

Number of Volunteer Experiences of U.S. MD Seniors

Anesthesiology

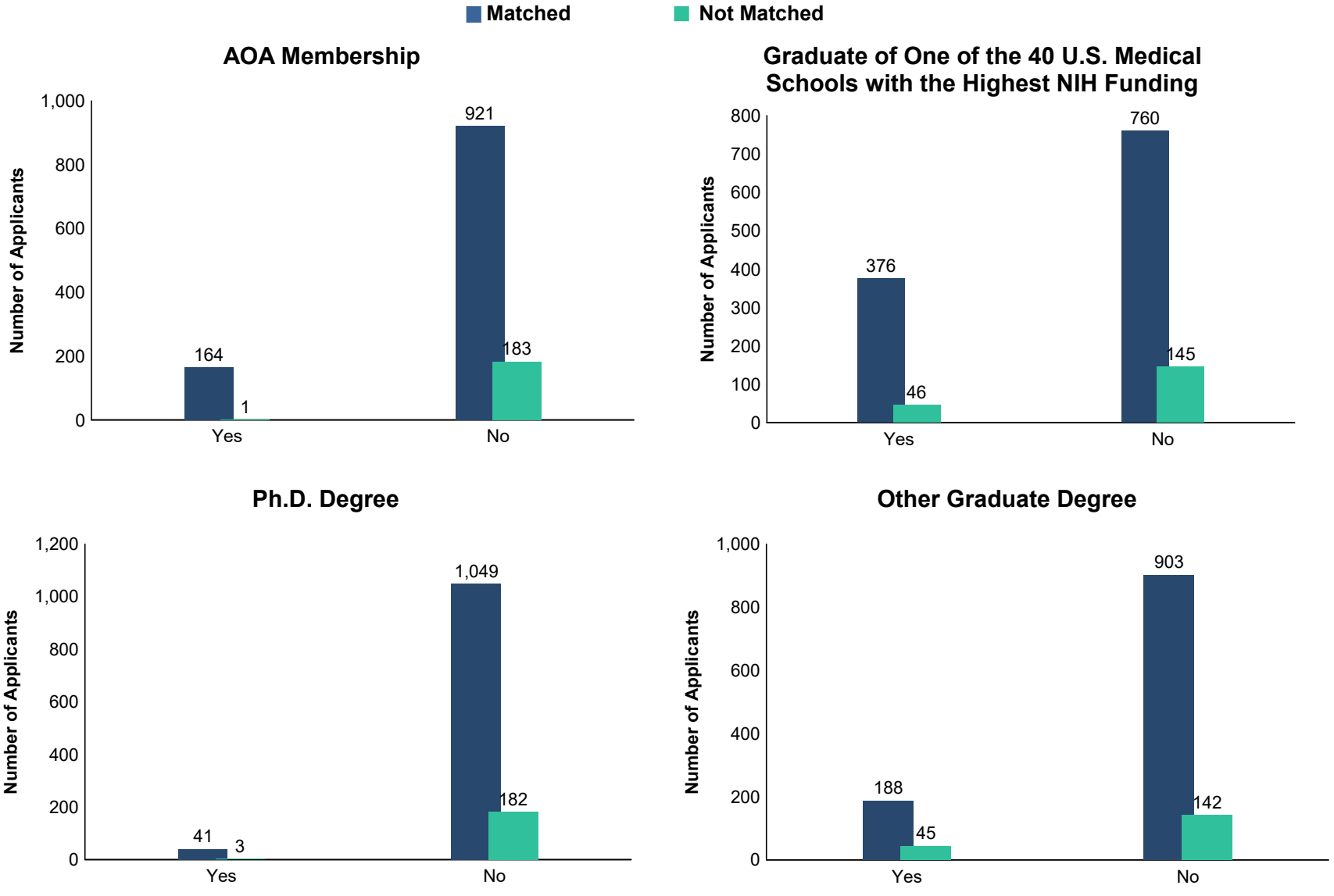


Source: NRMP Data Warehouse

Chart AN-9

Other Characteristics of U.S. MD Seniors

Anesthesiology



Source: NRMP Data Warehouse. Top 40 U.S. medical schools with the highest NIH funding from NIH: http://report.nih.gov/award/index.cfm

CN Child Neurology

Table CN-1 Summary Statistics on U.S. MD Seniors
Child Neurology

Measure	Matched (n=115)	Unmatched (n=2)
1. Mean number of contiguous ranks	12.9	8.5
2. Mean number of distinct specialties ranked	1.2	1.5
3. Mean USMLE Step 1 score*	230	
4. Mean USMLE Step 2 score	248	230
5. Mean number of research experiences	3.0	2.0
6. Mean number of abstracts, presentations, and publications	9.8	1.0
7. Mean number of work experiences	1.7	0.5
8. Mean number of volunteer experiences	4.5	3.5
9. Percentage who are AOA members	13.9	0.0
10. Percentage who graduated from one of the 40 U.S. medical schools with the highest NIH funding	30.4	0.0
11. Percentage who have Ph.D. degree	13.4	0.0
12. Percentage who have another graduate degree	20.5	0.0

Note: Only U.S. MD seniors who gave consent to use their information in research are included.
*Only applicants who indicated completion of the USMLE Step 1 exam prior to the transition to pass/fail (i.e., prior to January 26, 2022) had the option to self-report their Step 1 numeric score. In 2024, only 2,143 U.S. MD seniors self-reported Step 1 numeric scores.
Sources. NRMP Data Warehouse; Top 40 U.S. medical schools with the highest NIH funding in measure 10 is from the NIH website (http://report.nih.gov/award/index.cfm).

Chart CN-1

Number of Distinct Specialties Ranked by U.S. MD Seniors

Child Neurology

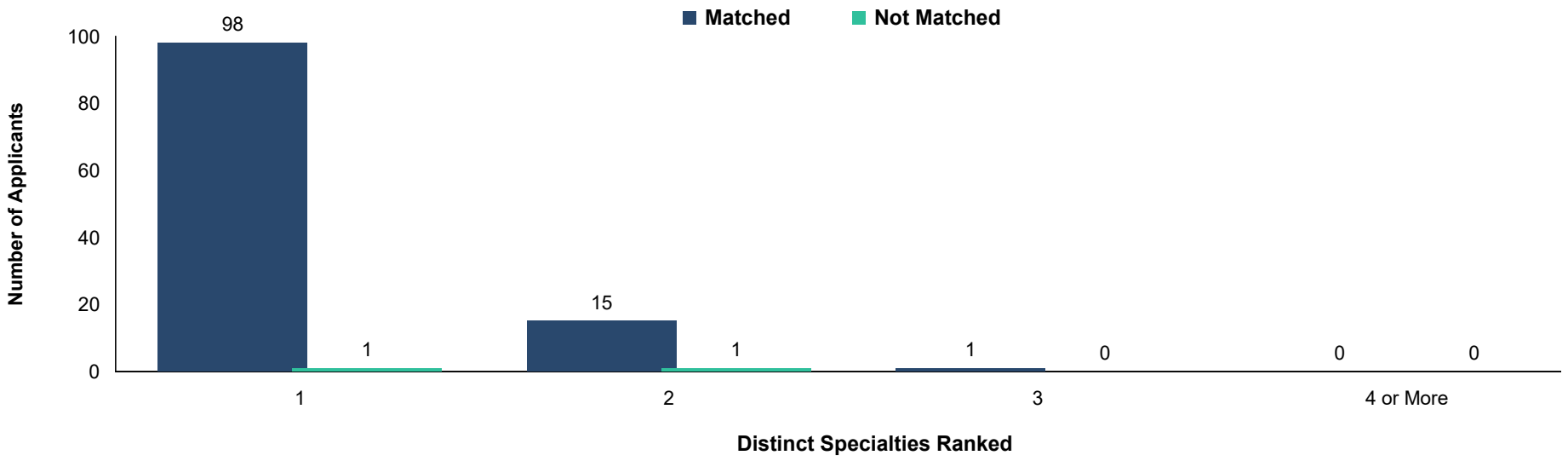
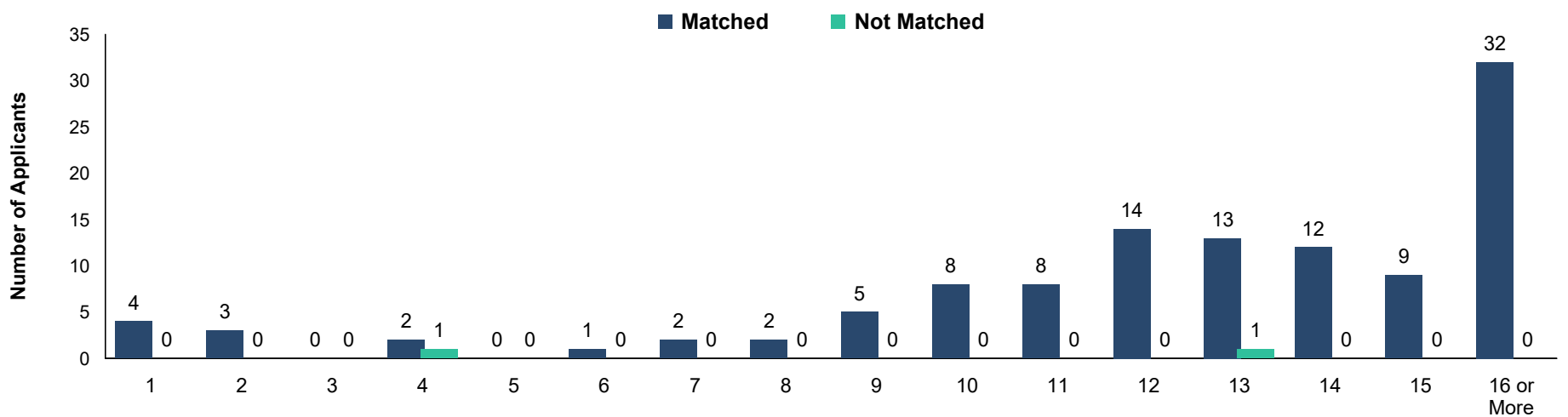


Chart CN-2

Number of Contiguous Ranks of U.S. MD Seniors

Child Neurology

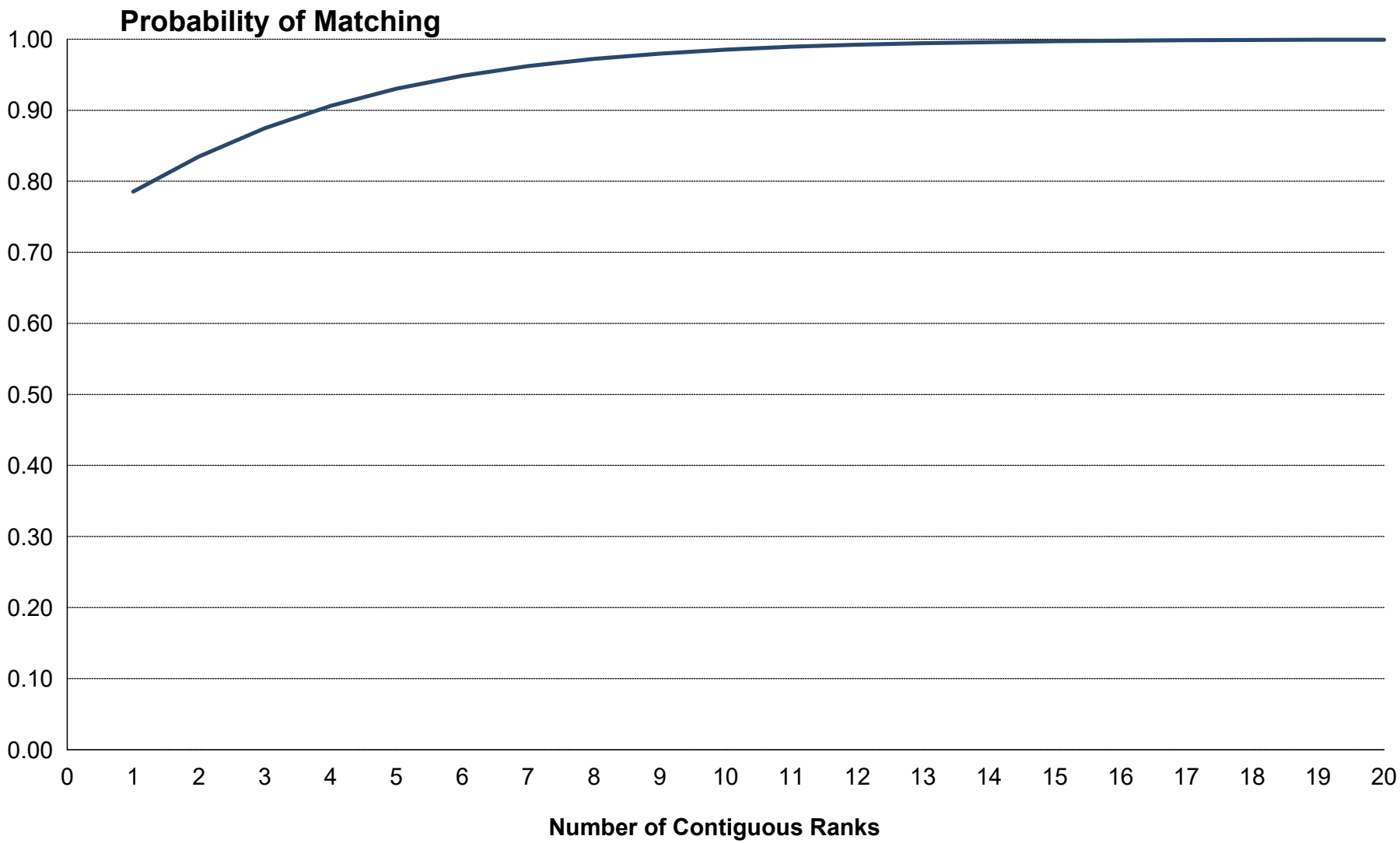


Source: NRMP Data Warehouse

Graph CN-1

Probability of U.S. MD Seniors Matching to Preferred Specialty by Number of Contiguous Ranks

Child Neurology



Source: NRMP Data Warehouse. Note: Probabilities calculated based on 2022-2024 applicants

Chart CN-3

USMLE Step 1 Scores of U.S. MD Seniors

Child Neurology

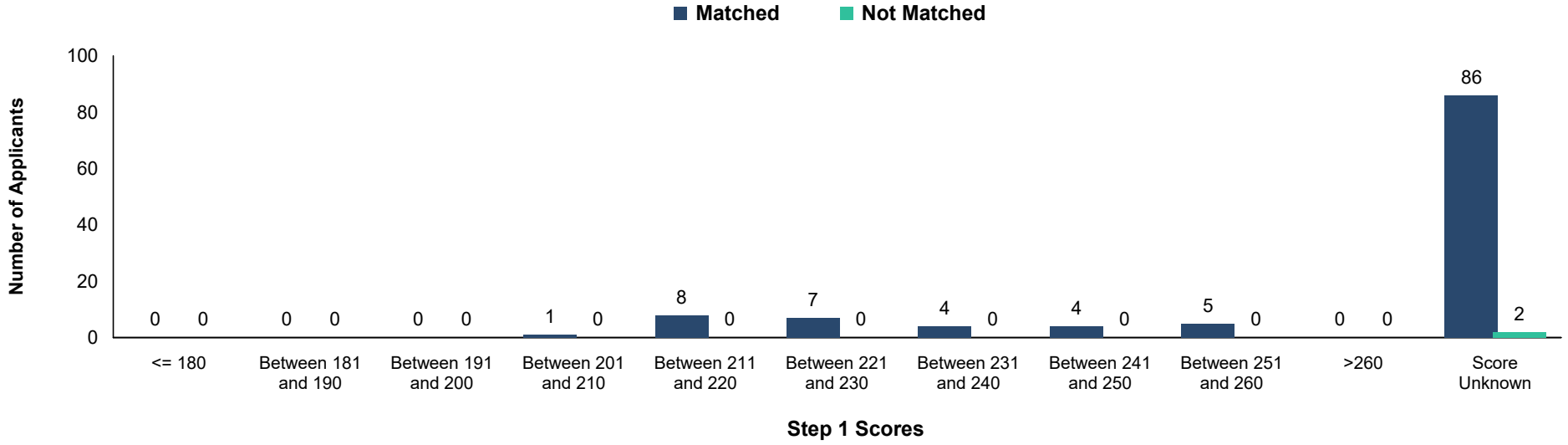
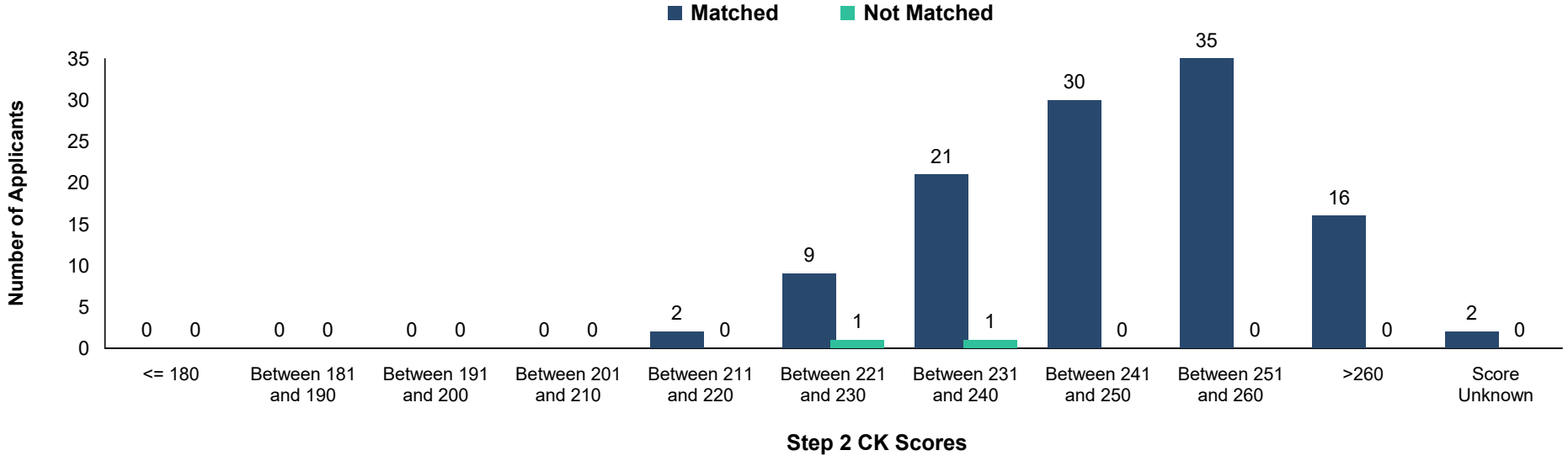


Chart CN-4

USMLE Step 2 CK Scores of U.S. MD Seniors

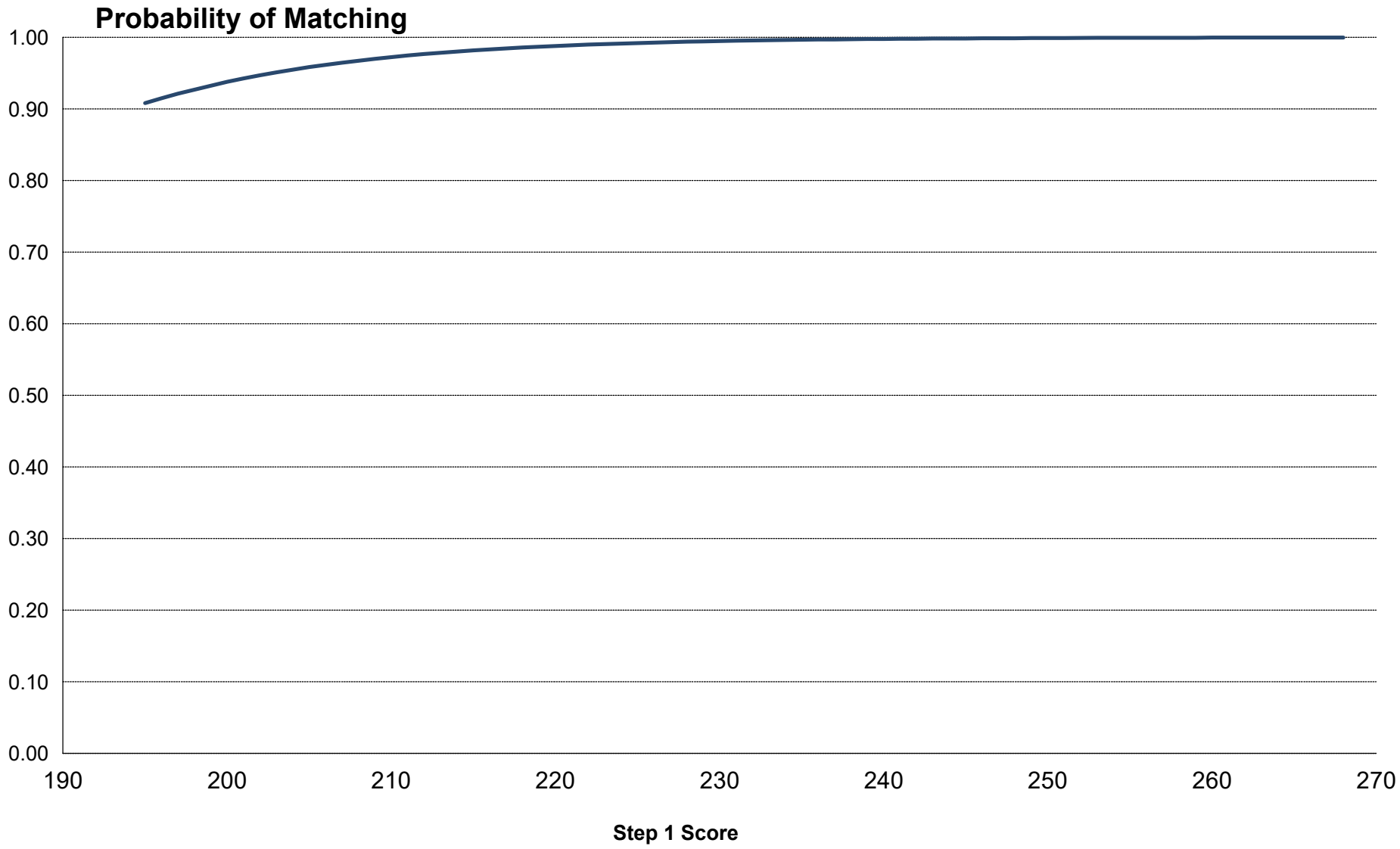
Child Neurology



Graph CN-2

Probability of U.S. MD Seniors Matching to Preferred Specialty by USMLE Step 1 Score

Child Neurology

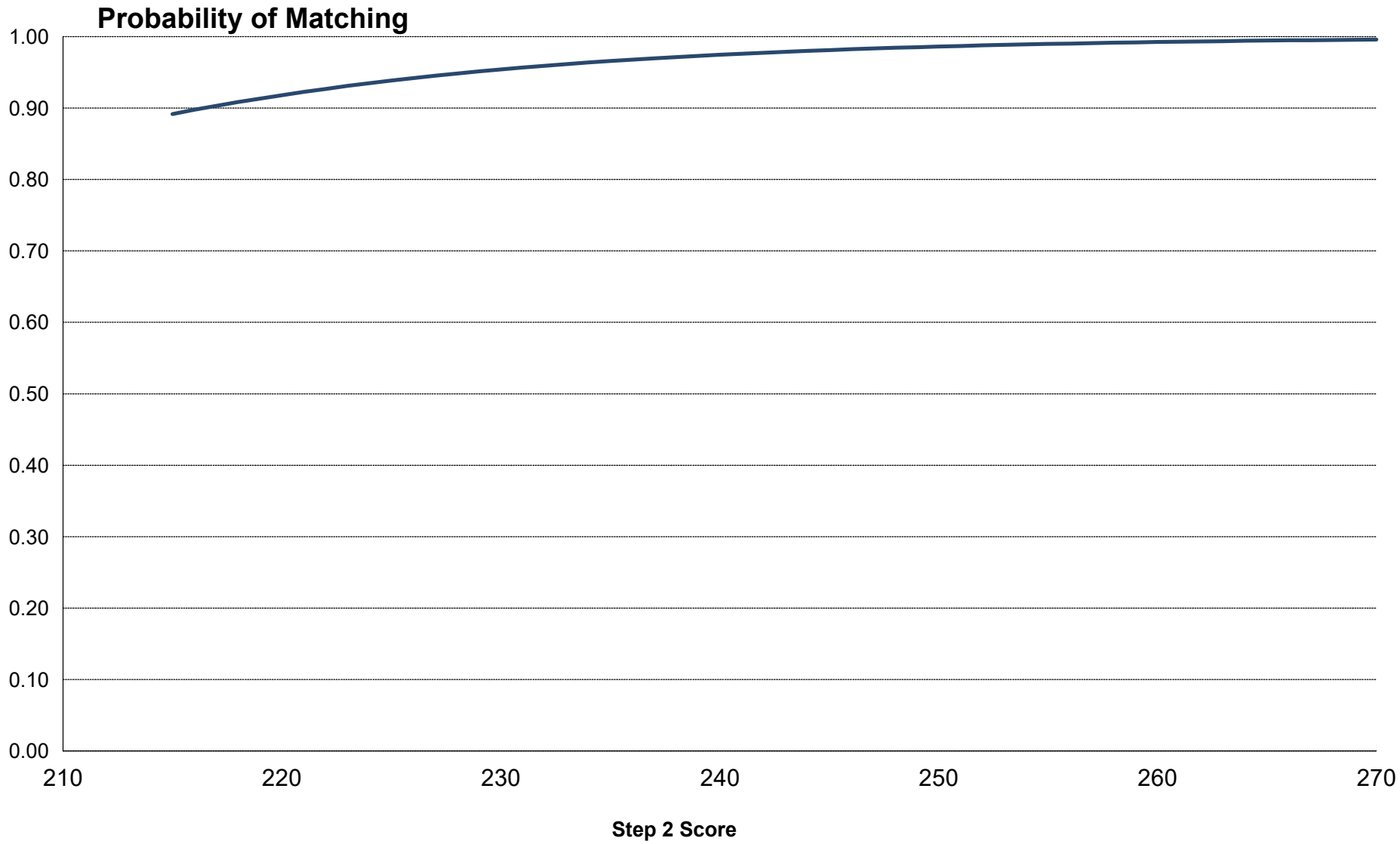


Source: NRMP Data Warehouse. Note: Probabilities calculated based on 2022-2024 applicants.

Graph CN-3

Probability of U.S. MD Seniors Matching to Preferred Specialty by USMLE Step 2 Score

Child Neurology



Source: NRMP Data Warehouse. Note: Probabilities calculated based on 2022-2024 applicants.

Chart CN-5

Number of Research Projects of U.S. MD Seniors

Child Neurology

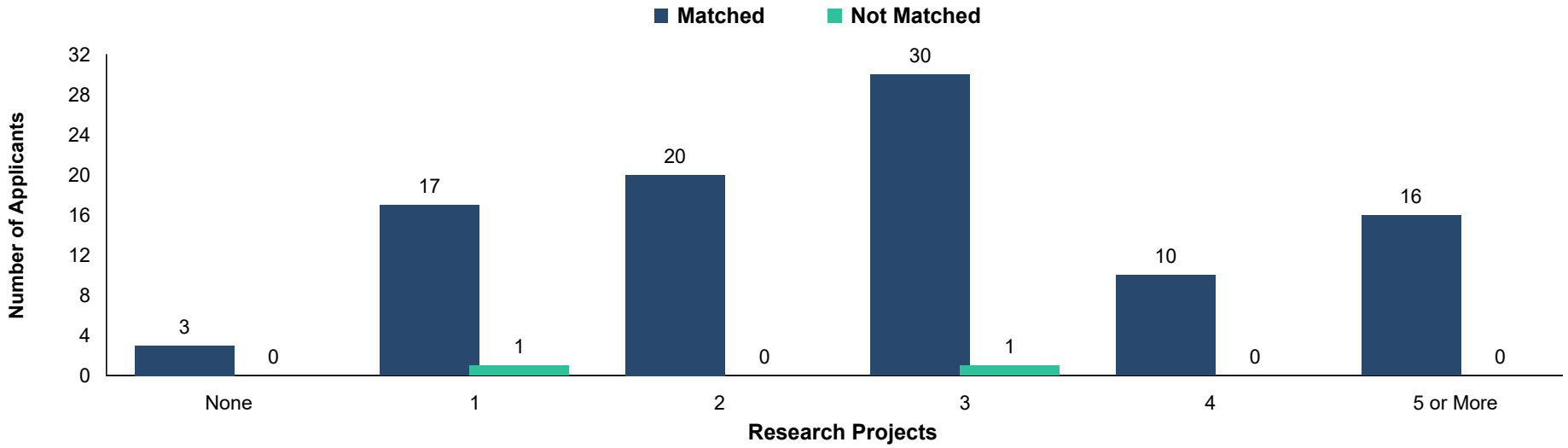
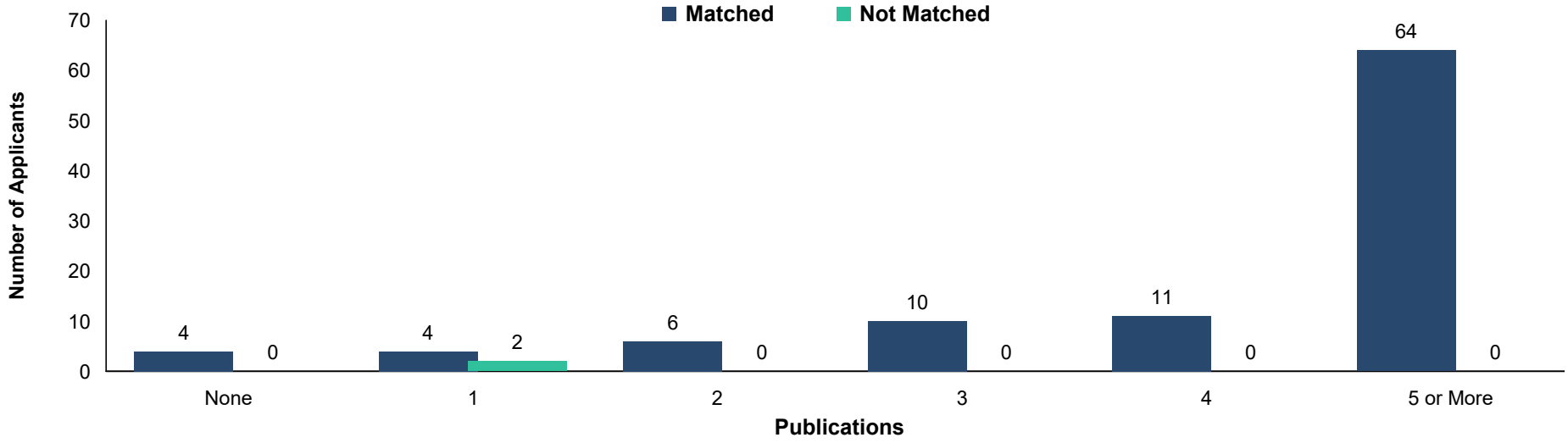


Chart CN-6

Number of Abstracts, Presentations, and Publications of U.S. MD Seniors

Child Neurology



Source: NRMP Data Warehouse

Chart CN-7

Number of Work Experiences of U.S. MD Seniors

Child Neurology

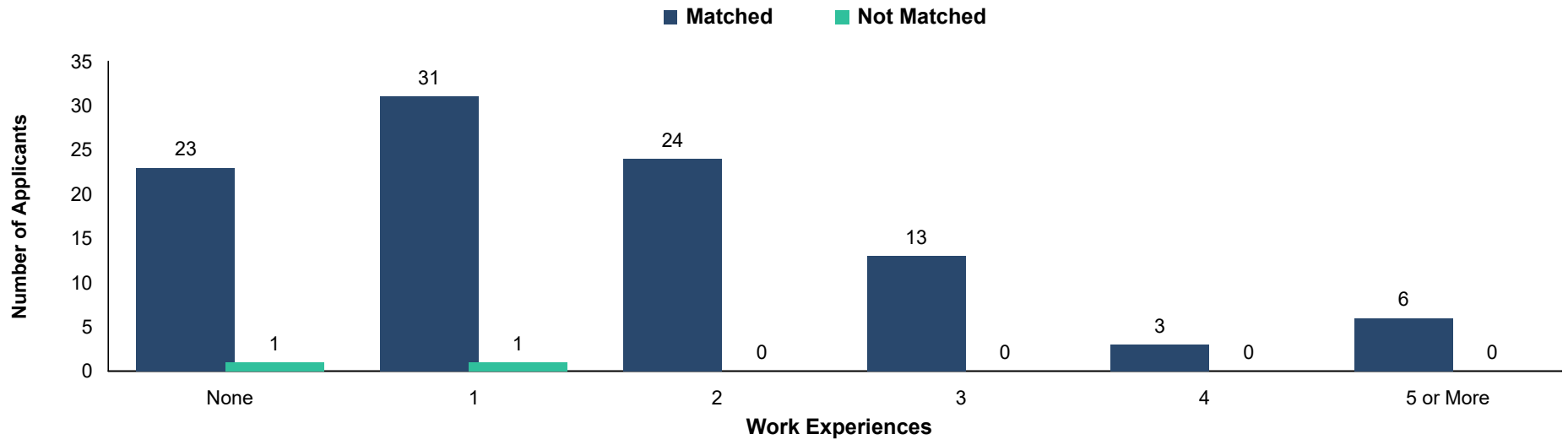
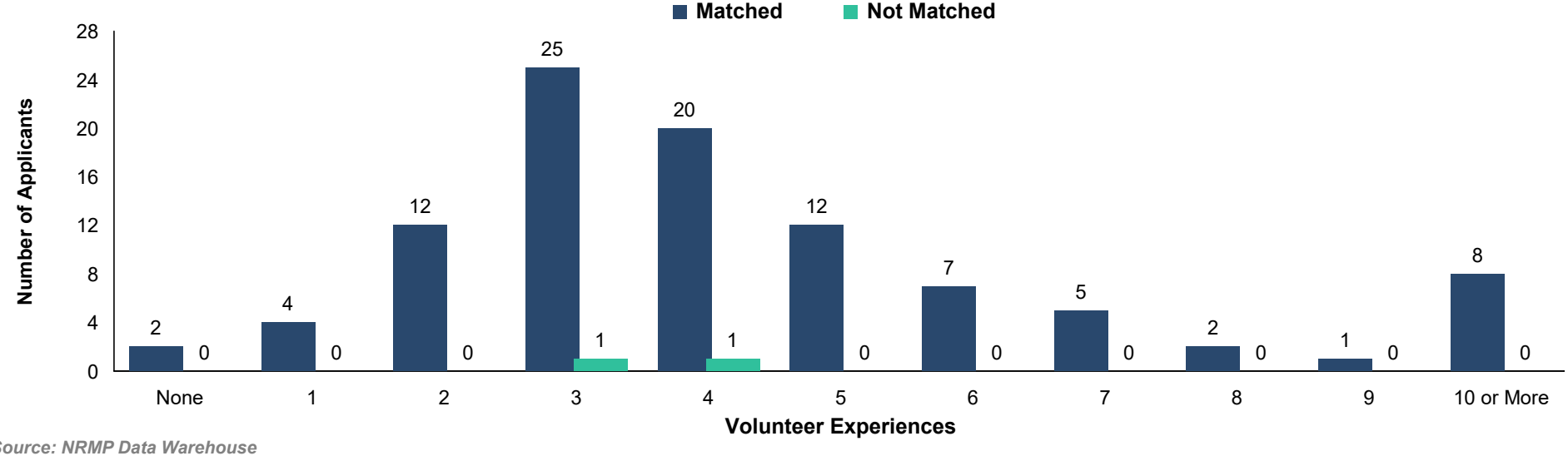


Chart CN-8

Number of Volunteer Experiences of U.S. MD Seniors

Child Neurology

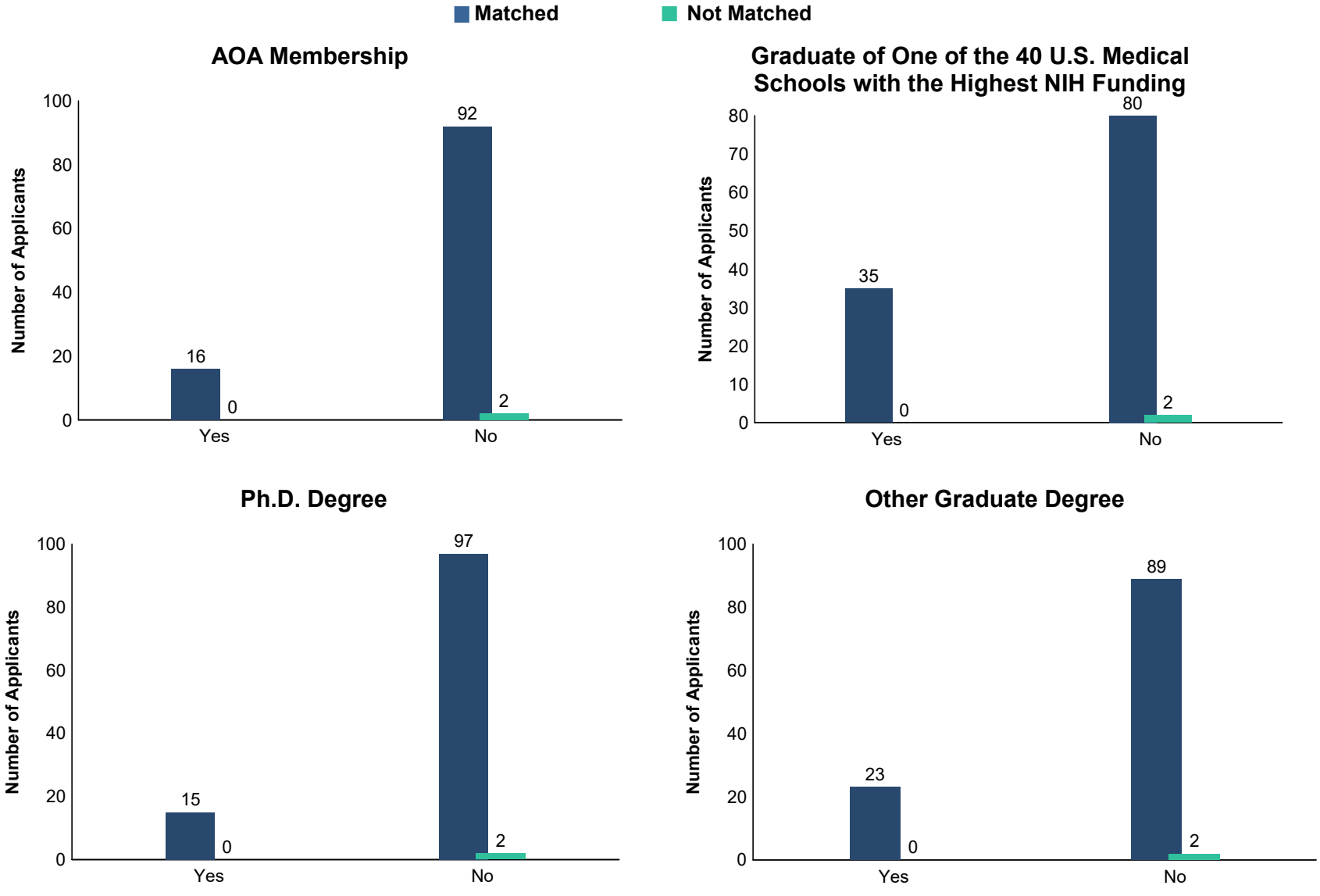


Source: NRMP Data Warehouse

Chart CN-9

Other Characteristics of U.S. MD Seniors

Child Neurology



Source: NRMP Data Warehouse. Top 40 U.S. medical schools with the highest NIH funding from NIH: http://report.nih.gov/award/index.cfm

DM Dermatology

Table DM-1 Summary Statistics on U.S. MD Seniors
Dermatology

Measure	Matched (n=314)	Unmatched (n=126)
1. Mean number of contiguous ranks	8.8	4.5
2. Mean number of distinct specialties ranked	2.2	2.4
3. Mean USMLE Step 1 score*	245	235
4. Mean USMLE Step 2 score	257	250
5. Mean number of research experiences	6.4	4.9
6. Mean number of abstracts, presentations, and publications	27.7	19.0
7. Mean number of work experiences	2.3	2.5
8. Mean number of volunteer experiences	5.3	5.6
9. Percentage who are AOA members	41.1	23.8
10. Percentage who graduated from one of the 40 U.S. medical schools with the highest NIH funding	41.7	23.0
11. Percentage who have Ph.D. degree	9.8	1.7
12. Percentage who have another graduate degree	17.1	17.2

Note: Only U.S. MD seniors who gave consent to use their information in research are included.
*Only applicants who indicated completion of the USMLE Step 1 exam prior to the transition to pass/fail (i.e., prior to January 26, 2022) had the option to self-report their Step 1 numeric score. In 2024, only 2,143 U.S. MD seniors self-reported Step 1 numeric scores.
Sources. NRMP Data Warehouse; Top 40 U.S. medical schools with the highest NIH funding in measure 10 is from the NIH website (http://report.nih.gov/award/index.cfm).

Chart DM-1

Number of Distinct Specialties Ranked by U.S. MD Seniors

Dermatology

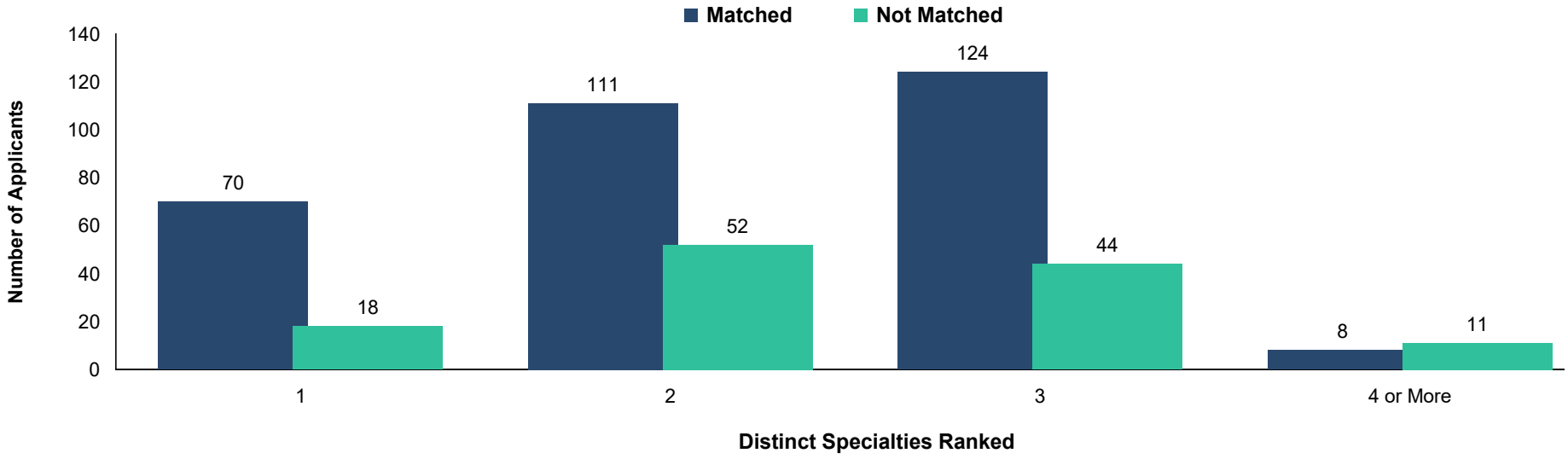
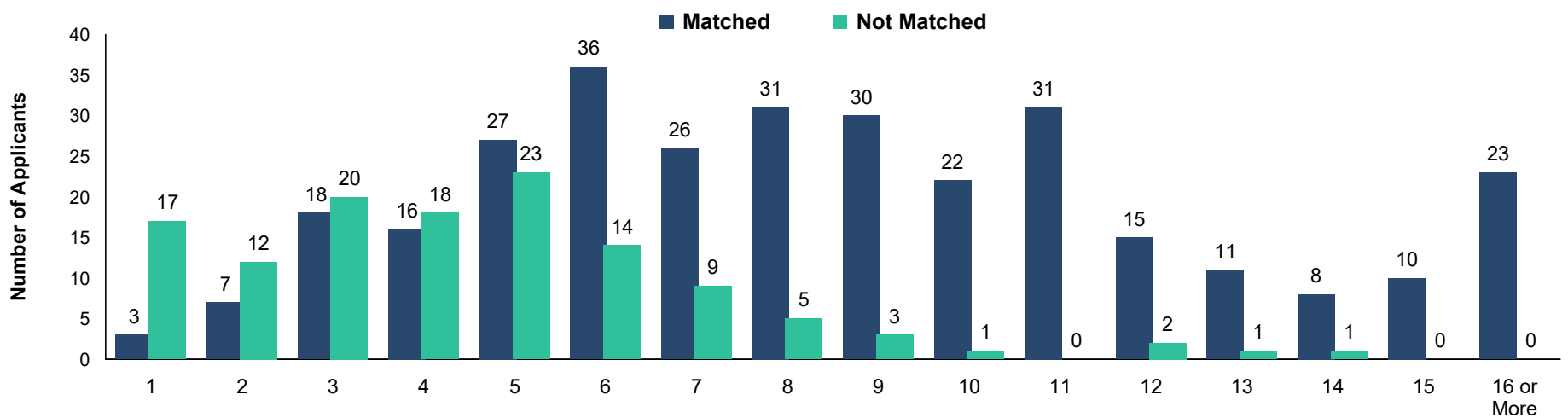


Chart DM-2

Number of Contiguous Ranks of U.S. MD Seniors

Dermatology

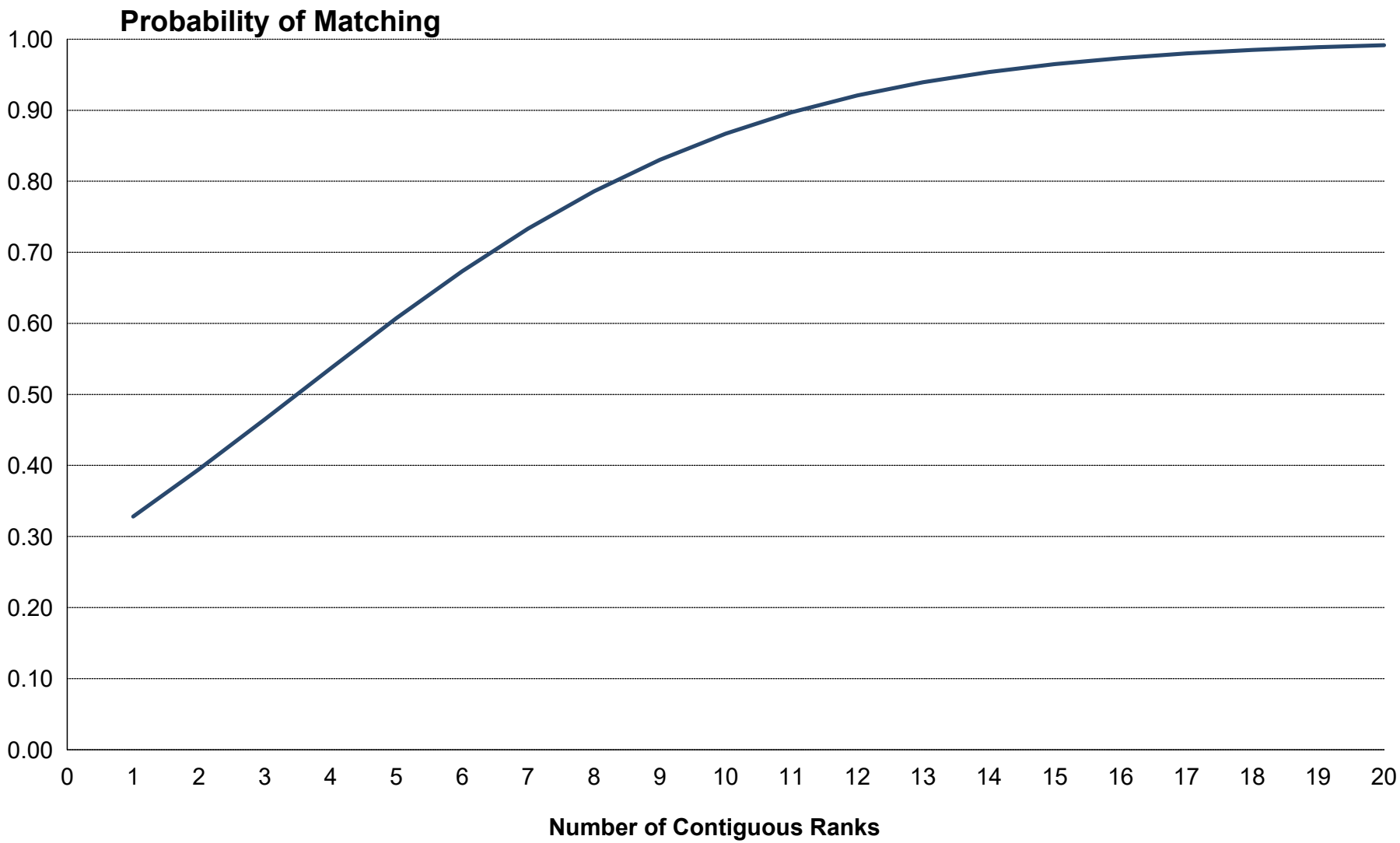


Source: NRMP Data Warehouse

Graph DM-1

Probability of U.S. MD Seniors Matching to Preferred Specialty by Number of Contiguous Ranks

Dermatology



Source: NRMP Data Warehouse. Note: Probabilities calculated based on 2022-2024 applicants

Chart DM-3

USMLE Step 1 Scores of U.S. MD Seniors

Dermatology

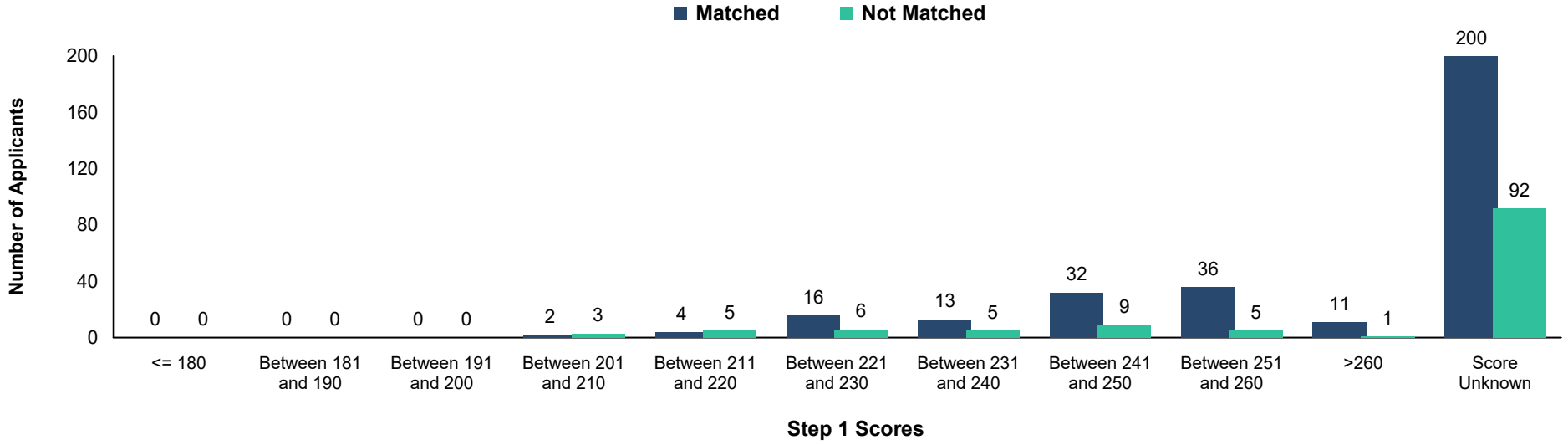
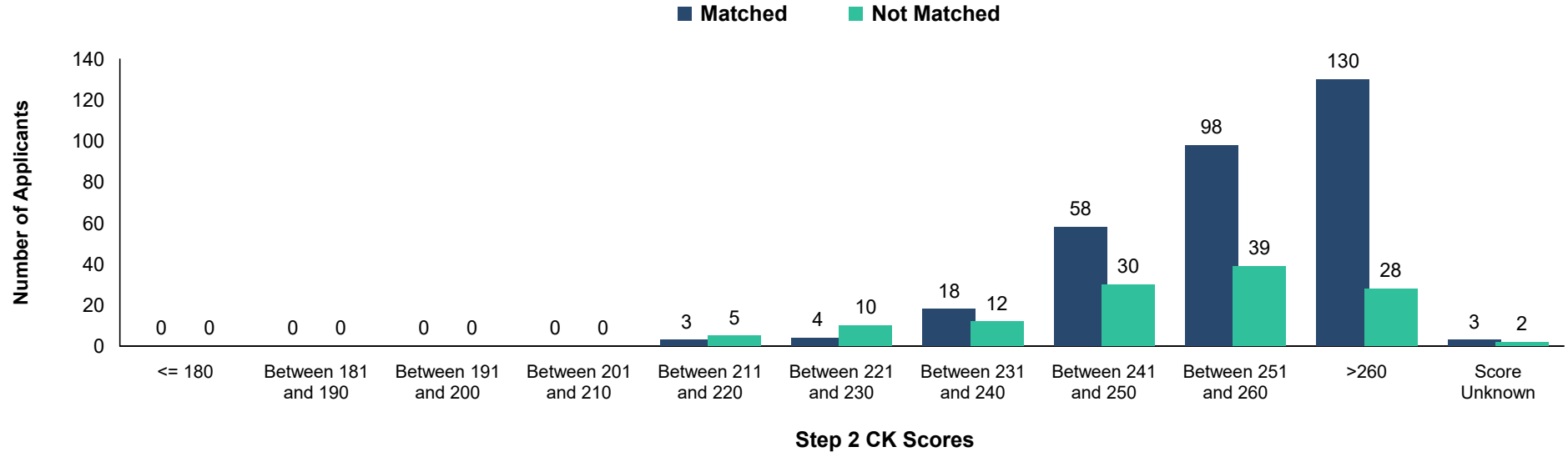


Chart DM-4

USMLE Step 2 CK Scores of U.S. MD Seniors

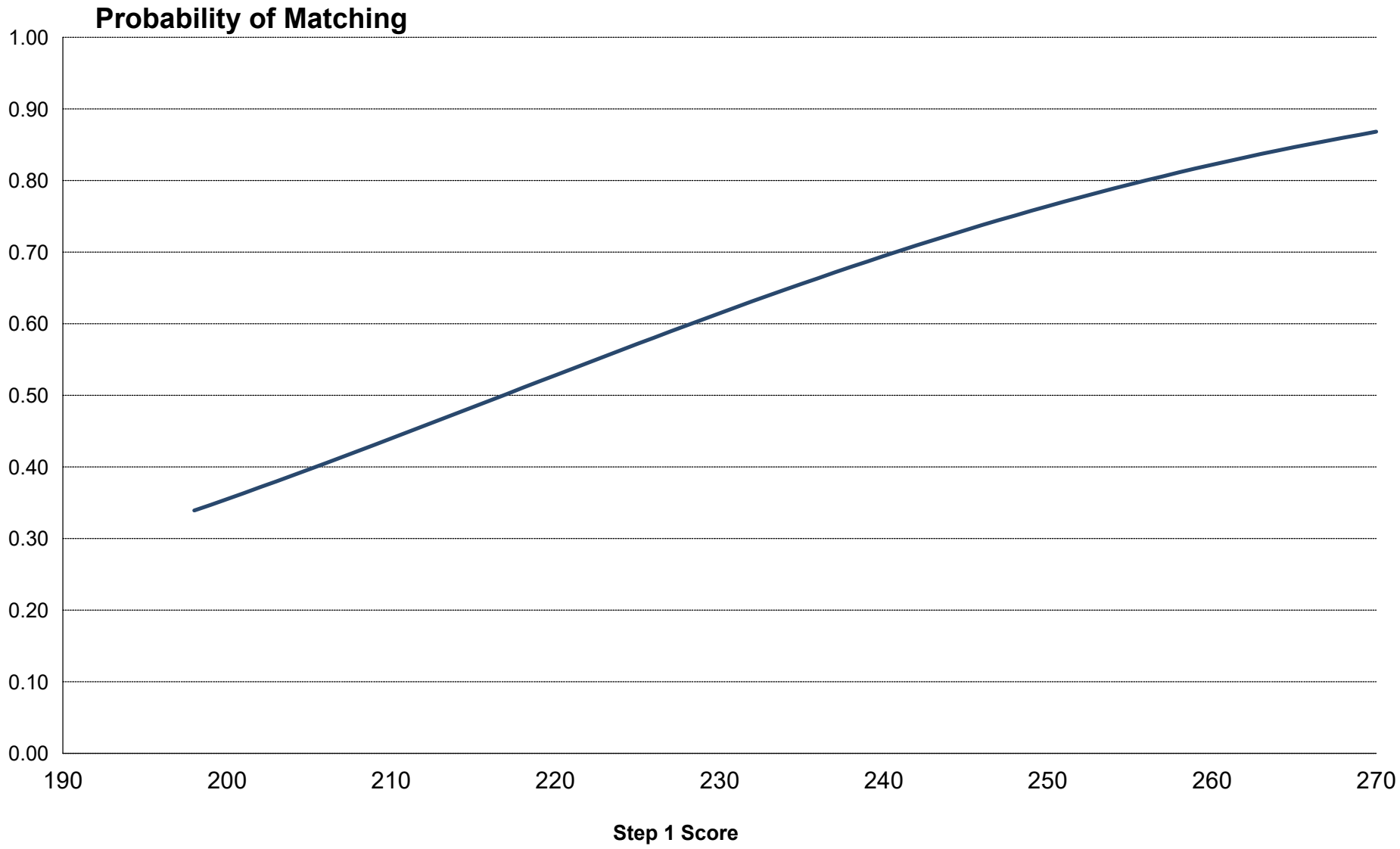
Dermatology



Graph DM-2

Probability of U.S. MD Seniors Matching to Preferred Specialty by USMLE Step 1 Score

Dermatology

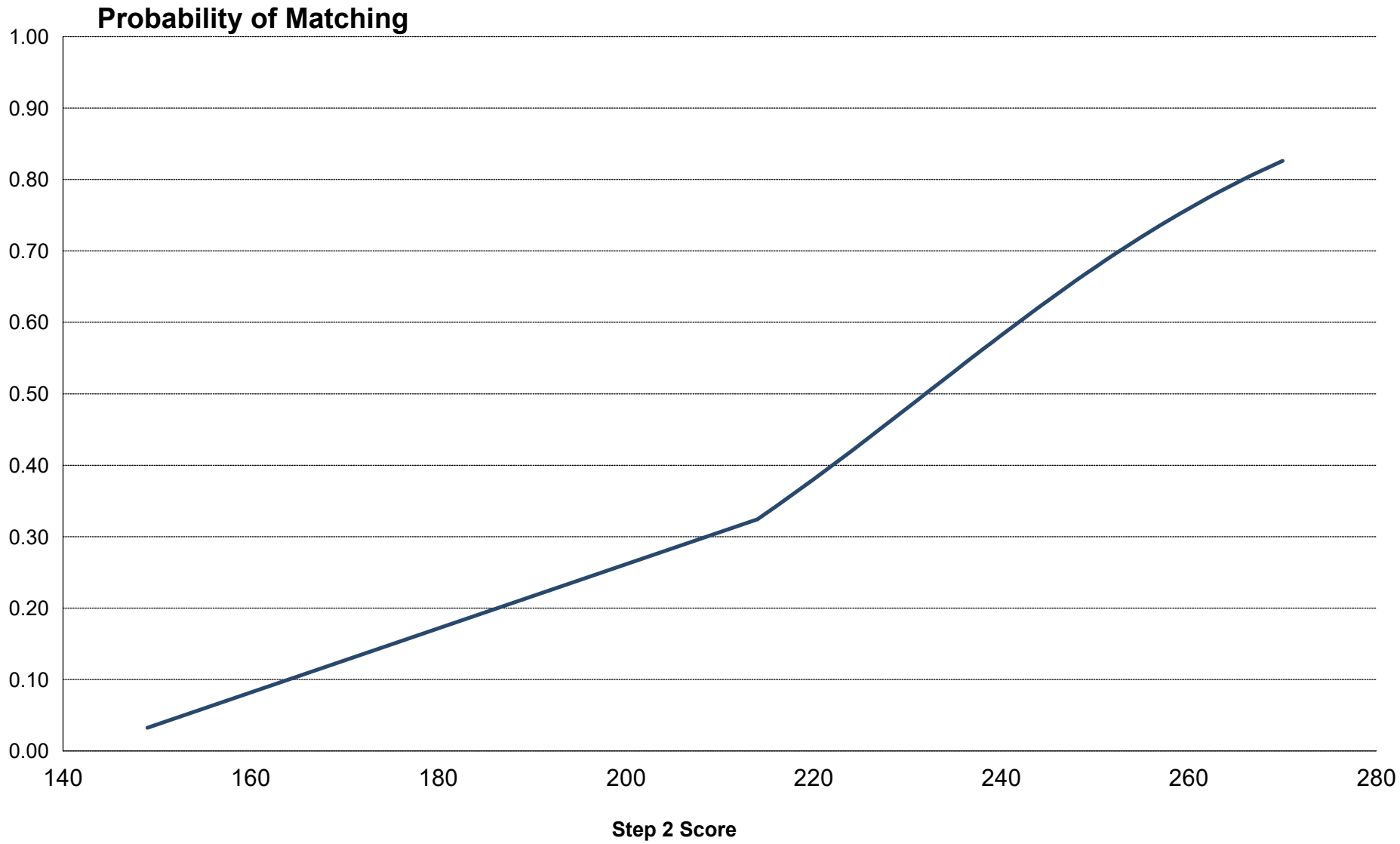


Source: NRMP Data Warehouse. Note: Probabilities calculated based on 2022-2024 applicants.

Graph DM-3

Probability of U.S. MD Seniors Matching to Preferred Specialty by USMLE Step 2 Score

Dermatology



Source: NRMP Data Warehouse. Note: Probabilities calculated based on 2022-2024 applicants.

Chart DM-5

Number of Research Projects of U.S. MD Seniors

Dermatology

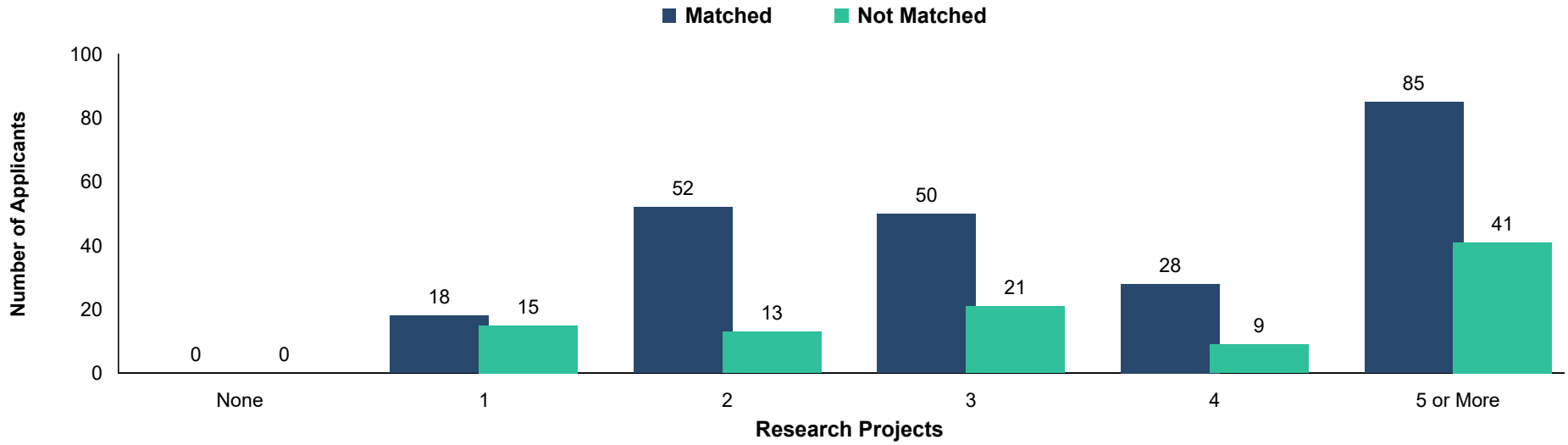
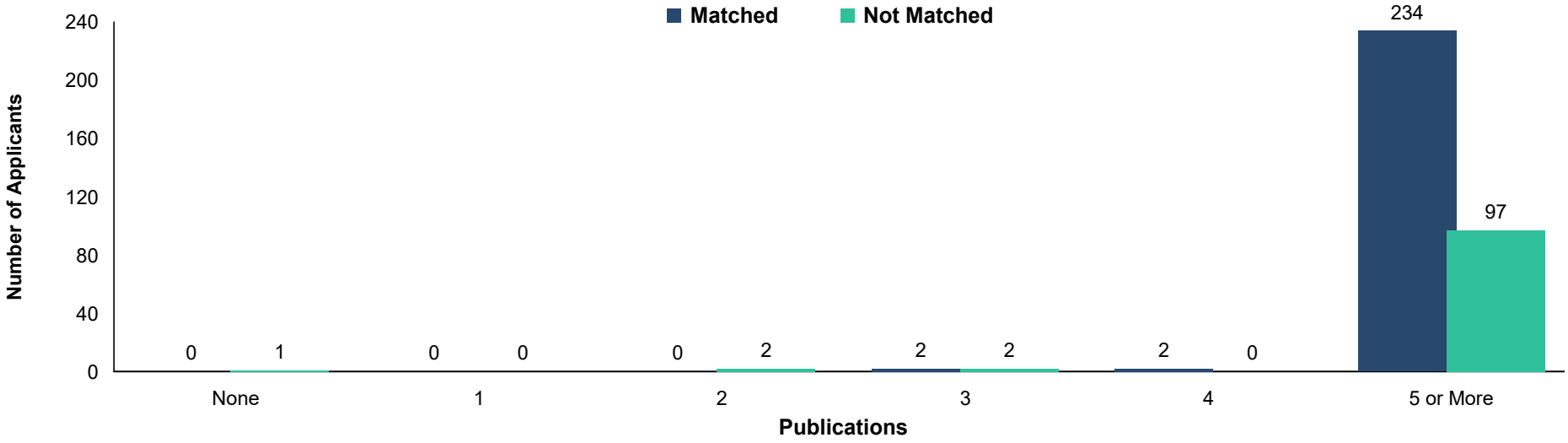


Chart DM-6

Number of Abstracts, Presentations, and Publications of U.S. MD Seniors

Dermatology



Source: NRMP Data Warehouse

Chart DM-7

Number of Work Experiences of U.S. MD Seniors

Dermatology

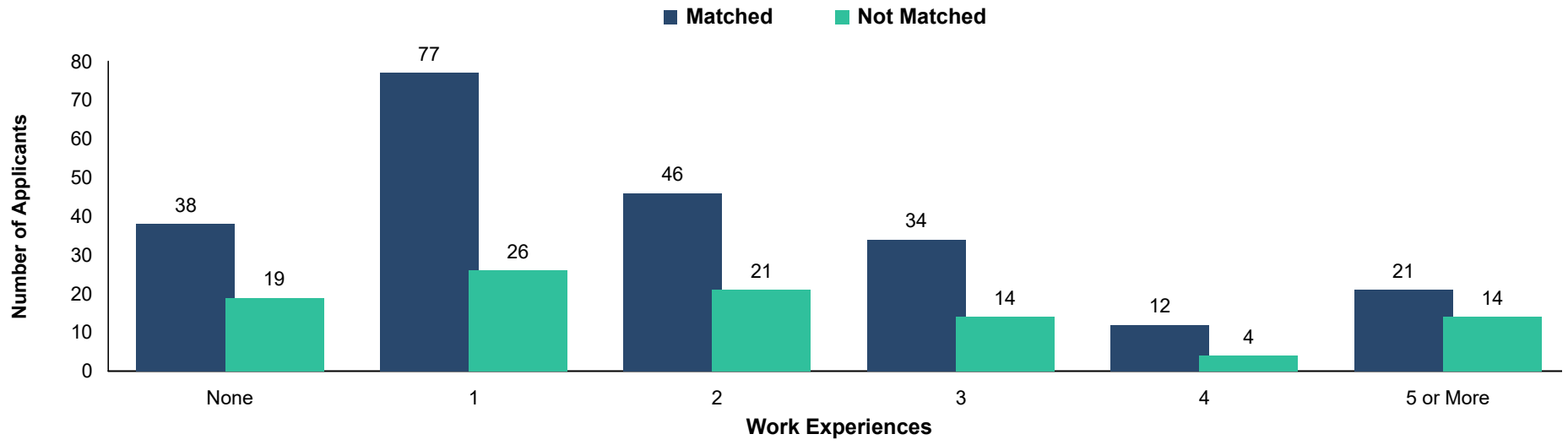
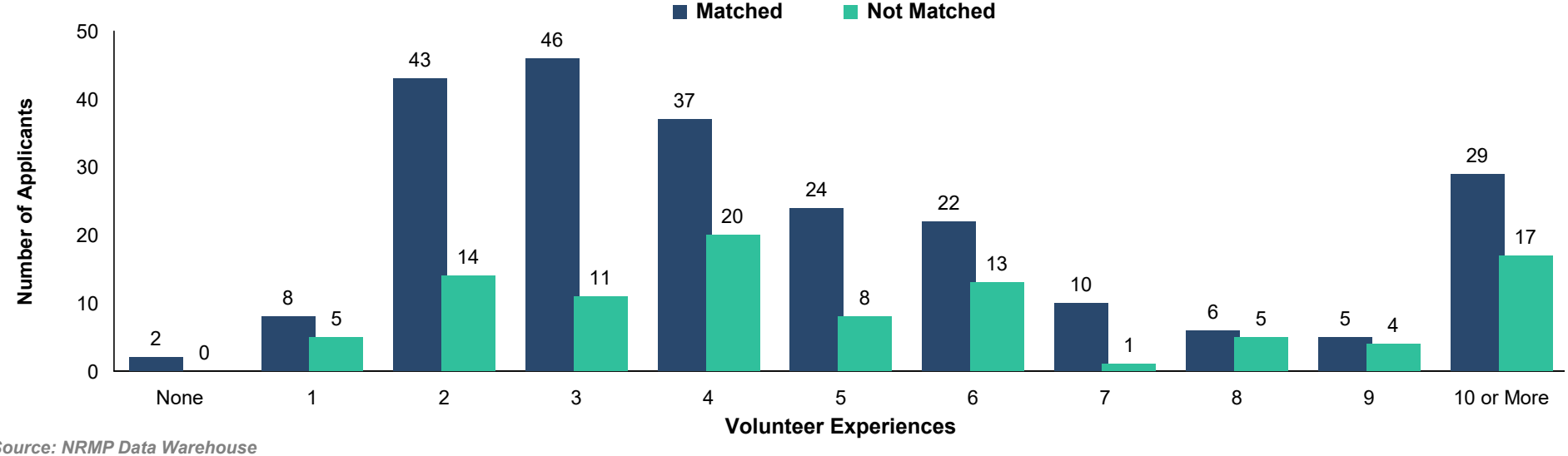


Chart DM-8

Number of Volunteer Experiences of U.S. MD Seniors

Dermatology

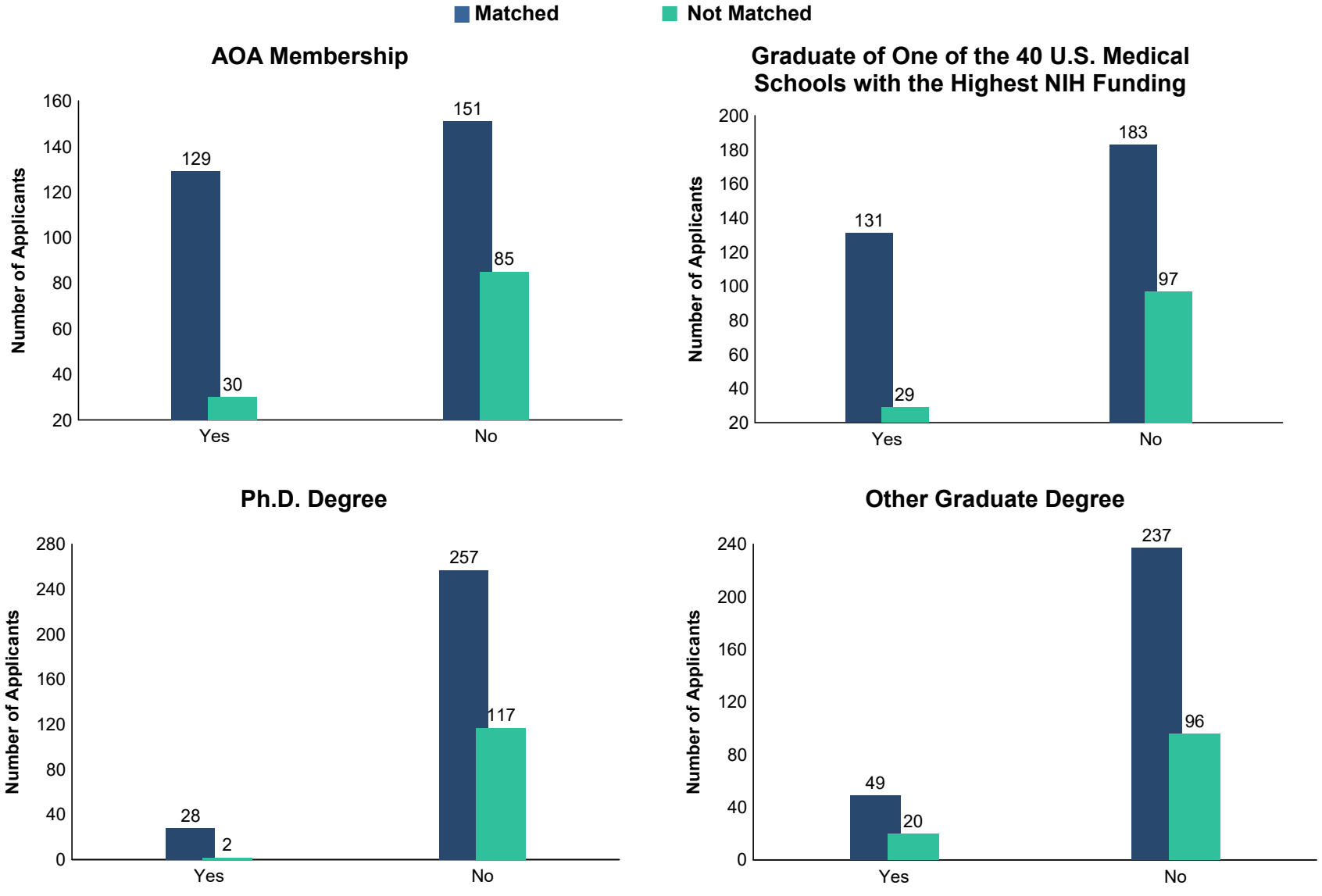


Source: NRMP Data Warehouse

Chart DM-9

Other Characteristics of U.S. MD Seniors

Dermatology



Source: NRMP Data Warehouse. Top 40 U.S. medical schools with the highest NIH funding from NIH: http://report.nih.gov/award/index.cfm

DR Diagnostic Radiology

Table DR-1 Summary Statistics on U.S. MD Seniors
Diagnostic Radiology

Measure	Matched (n=625)	Unmatched (n=86)
1. Mean number of contiguous ranks	13.8	5.5
2. Mean number of distinct specialties ranked	1.8	2.1
3. Mean USMLE Step 1 score*	241	224
4. Mean USMLE Step 2 score	256	241
5. Mean number of research experiences	4.4	3.6
6. Mean number of abstracts, presentations, and publications	12.0	8.0
7. Mean number of work experiences	1.9	2.1
8. Mean number of volunteer experiences	3.9	3.6
9. Percentage who are AOA members	19.5	4.7
10. Percentage who graduated from one of the 40 U.S. medical schools with the highest NIH funding	29.9	23.3
11. Percentage who have Ph.D. degree	3.5	2.6
12. Percentage who have another graduate degree	19.3	18.2

Note: Only U.S. MD seniors who gave consent to use their information in research are included.
*Only applicants who indicated completion of the USMLE Step 1 exam prior to the transition to pass/fail (i.e., prior to January 26, 2022) had the option to self-report their Step 1 numeric score. In 2024, only 2,143 U.S. MD seniors self-reported Step 1 numeric scores.
Sources. NRMP Data Warehouse; Top 40 U.S. medical schools with the highest NIH funding in measure 10 is from the NIH website (http://report.nih.gov/award/index.cfm).

Chart DR-1

Number of Distinct Specialties Ranked by U.S. MD Seniors

Diagnostic Radiology

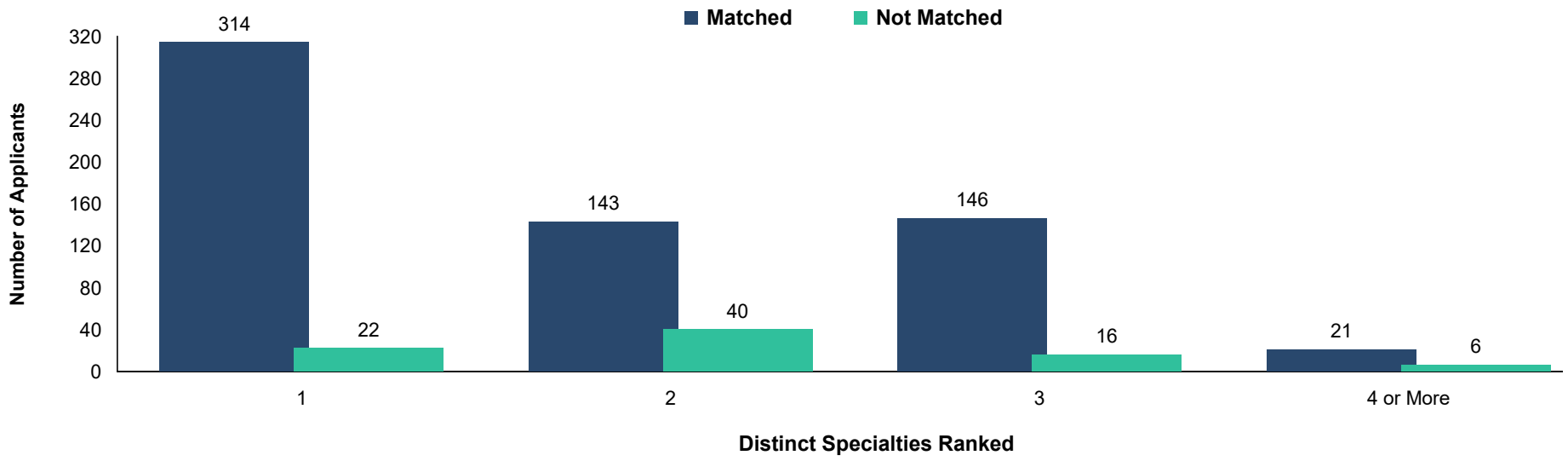
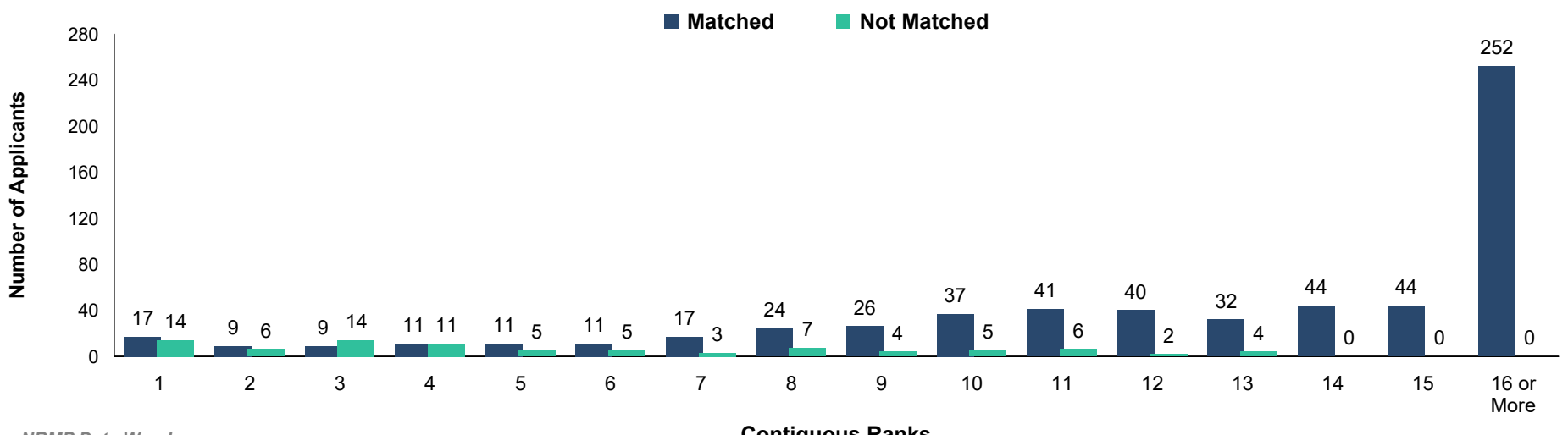


Chart DR-2

Number of Contiguous Ranks of U.S. MD Seniors

Diagnostic Radiology

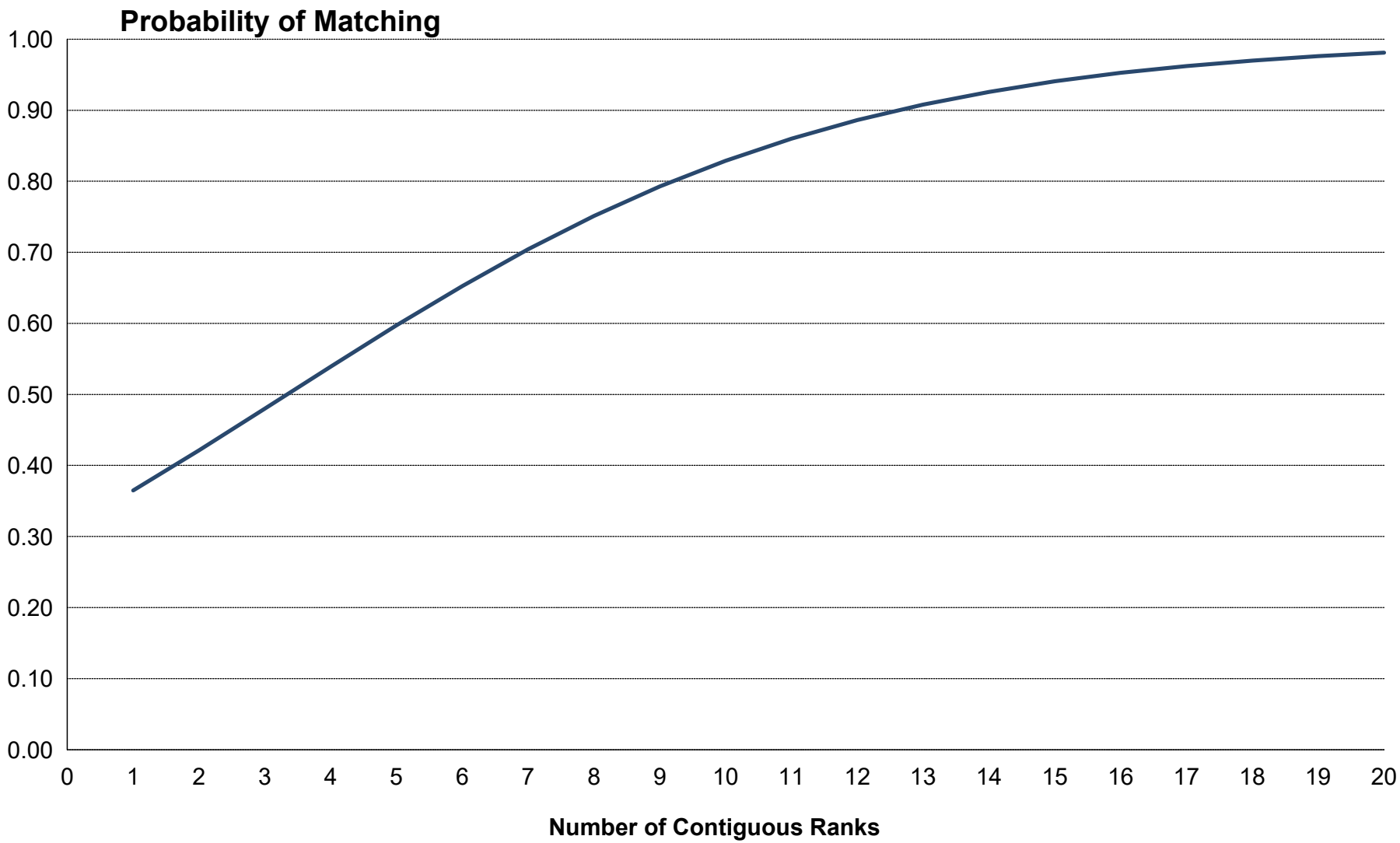


Source: NRMP Data Warehouse

Graph DR-1

Probability of U.S. MD Seniors Matching to Preferred Specialty by Number of Contiguous Ranks

Diagnostic Radiology



Source: NRMP Data Warehouse. Note: Probabilities calculated based on 2022-2024 applicants

Chart DR-3

USMLE Step 1 Scores of U.S. MD Seniors

Diagnostic Radiology

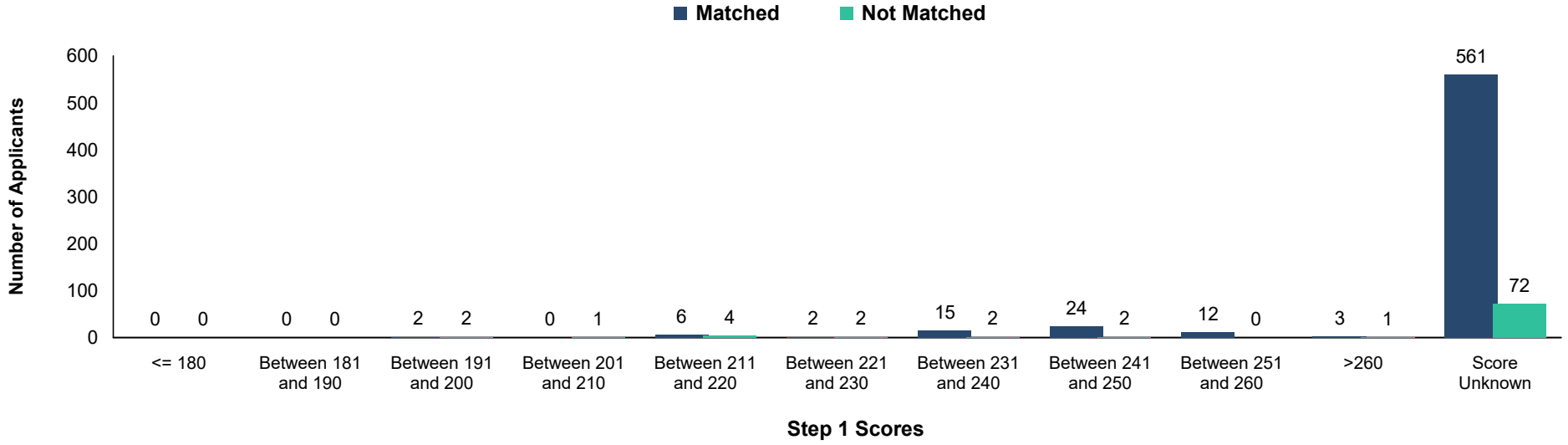
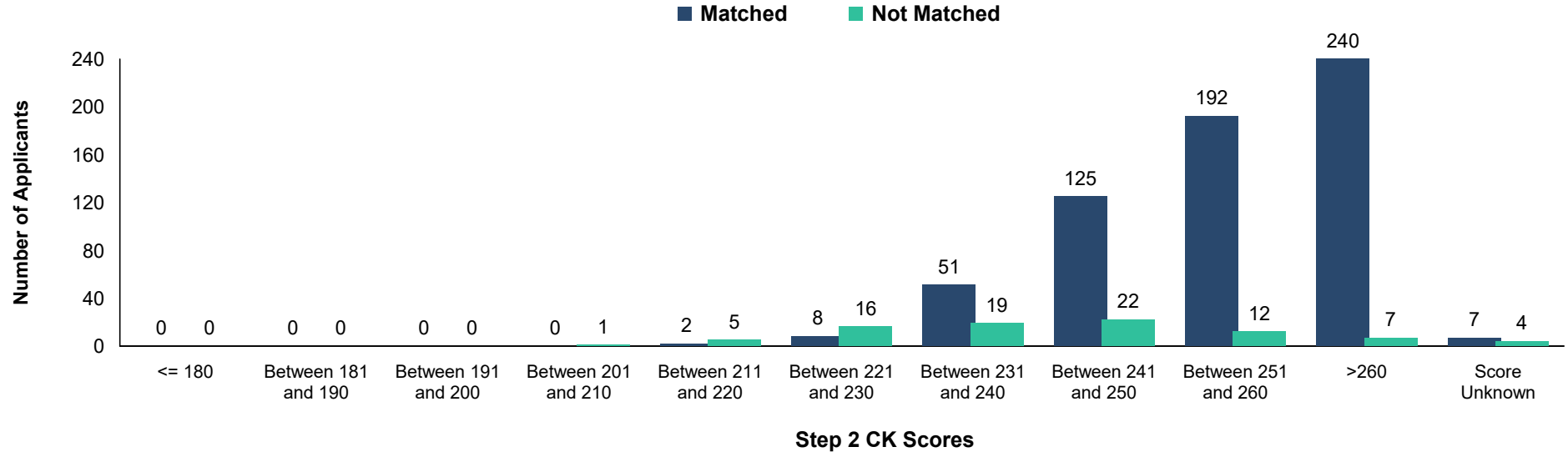


Chart DR-4

USMLE Step 2 CK Scores of U.S. MD Seniors

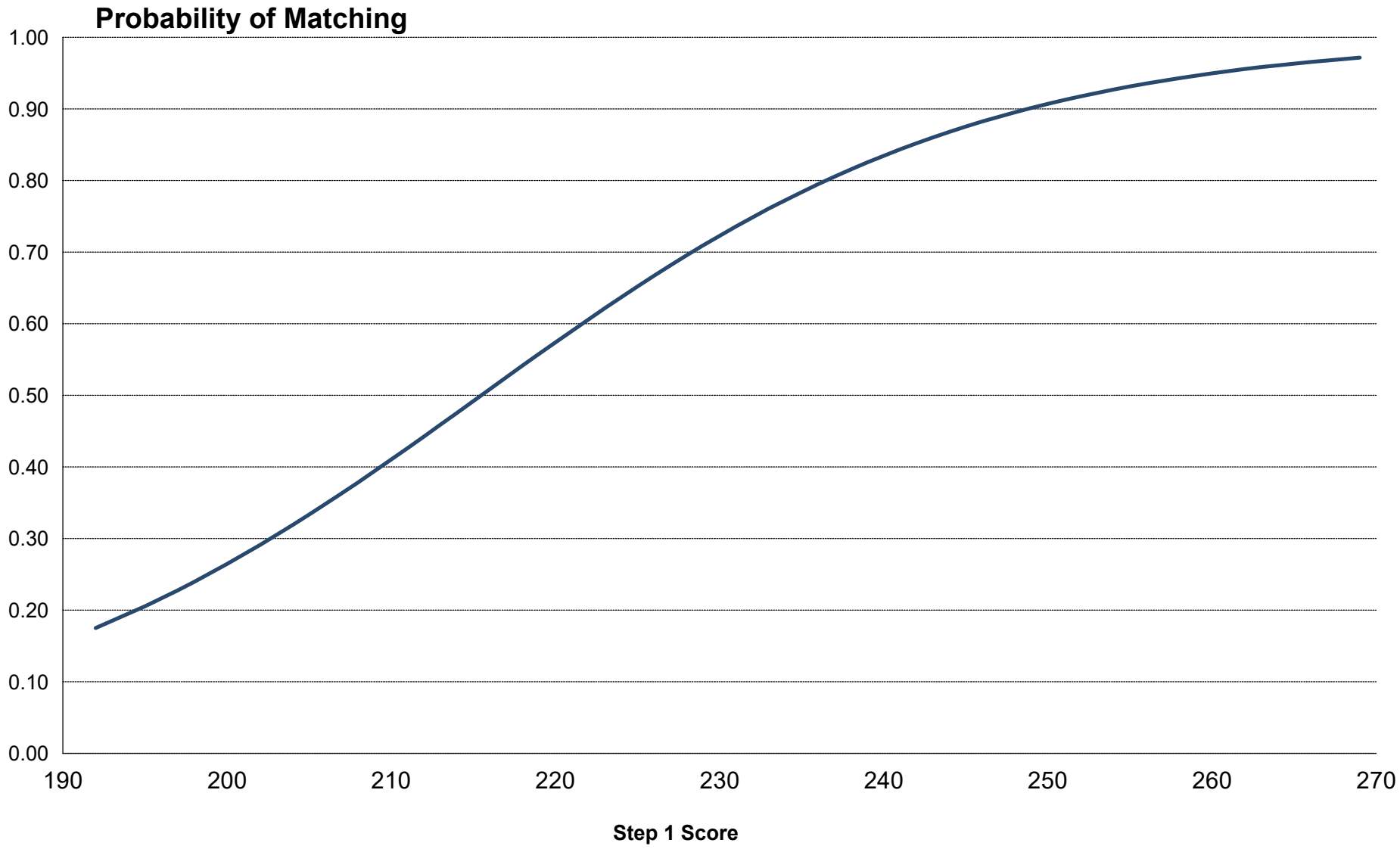
Diagnostic Radiology



Graph DR-2

Probability of U.S. MD Seniors Matching to Preferred Specialty by USMLE Step 1 Score

Diagnostic Radiology

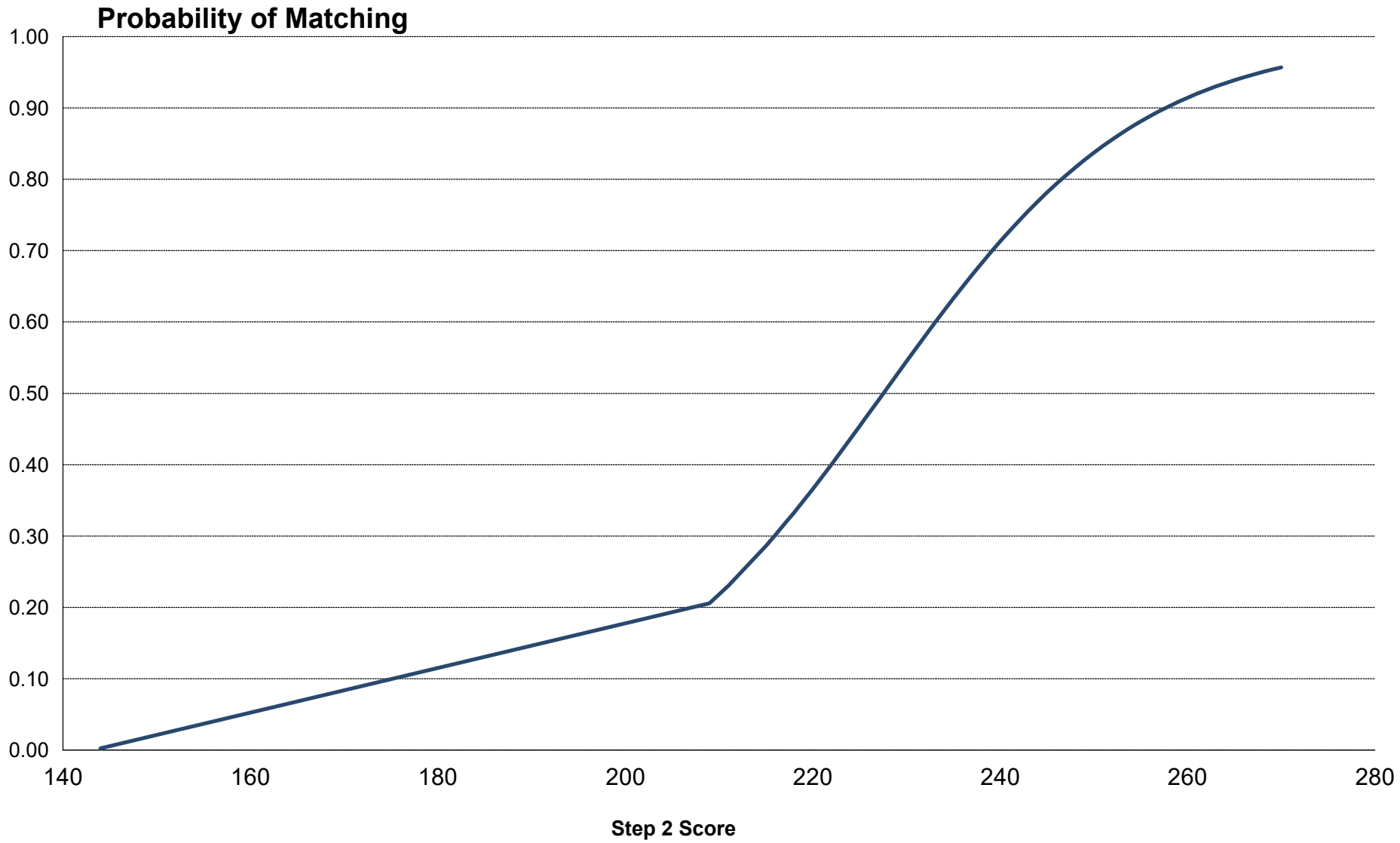


Source: NRMP Data Warehouse. Note: Probabilities calculated based on 2022-2024 applicants.

Graph DR-3

Probability of U.S. MD Seniors Matching to Preferred Specialty by USMLE Step 2 Score

Diagnostic Radiology



Source: NRMP Data Warehouse. Note: Probabilities calculated based on 2022-2024 applicants.

Chart DR-5

Number of Research Projects of U.S. MD Seniors

Diagnostic Radiology

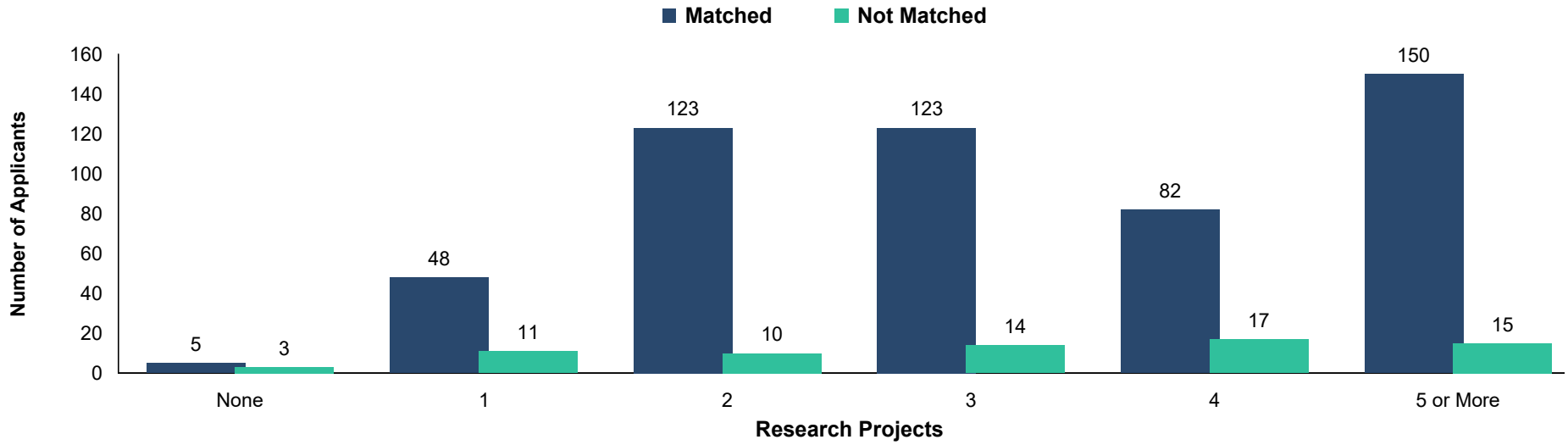
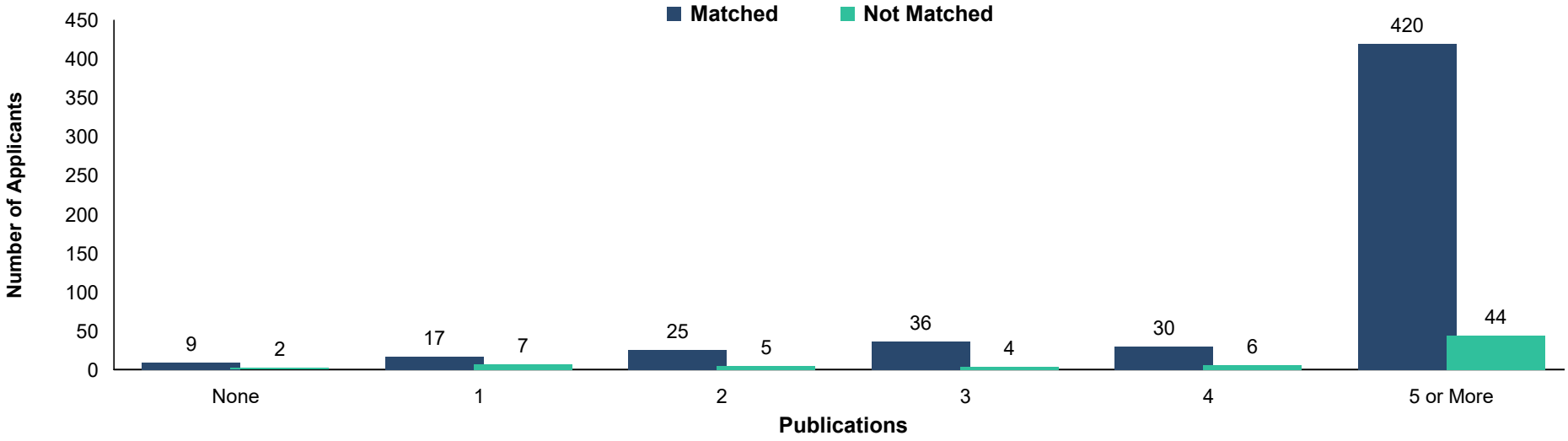


Chart DR-6

Number of Abstracts, Presentations, and Publications of U.S. MD Seniors

Diagnostic Radiology



Source: NRMP Data Warehouse

Chart DR-7

Number of Work Experiences of U.S. MD Seniors

Diagnostic Radiology

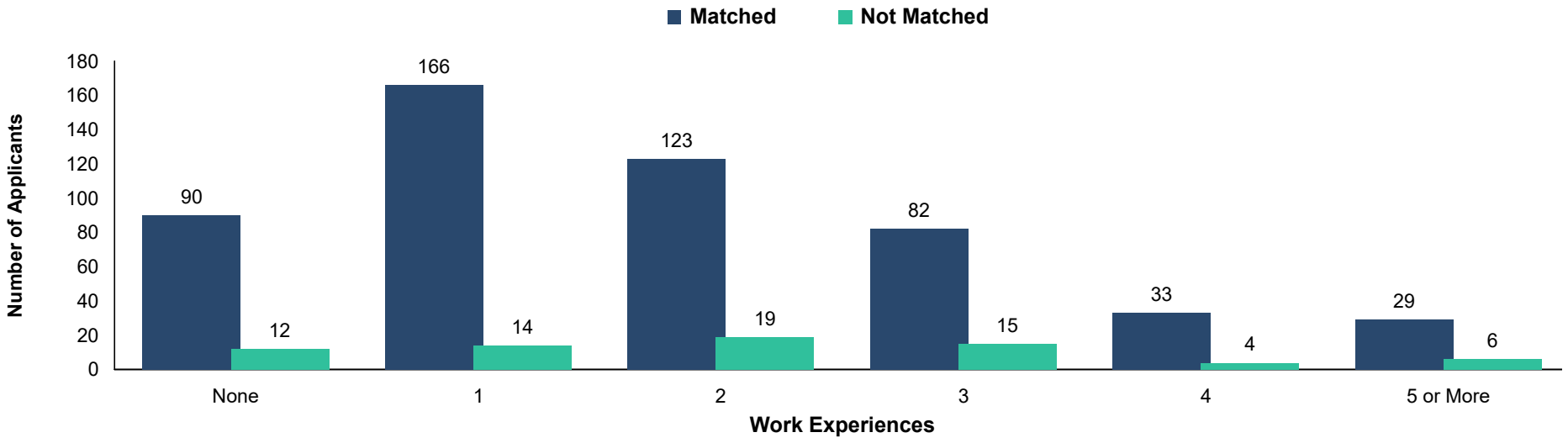
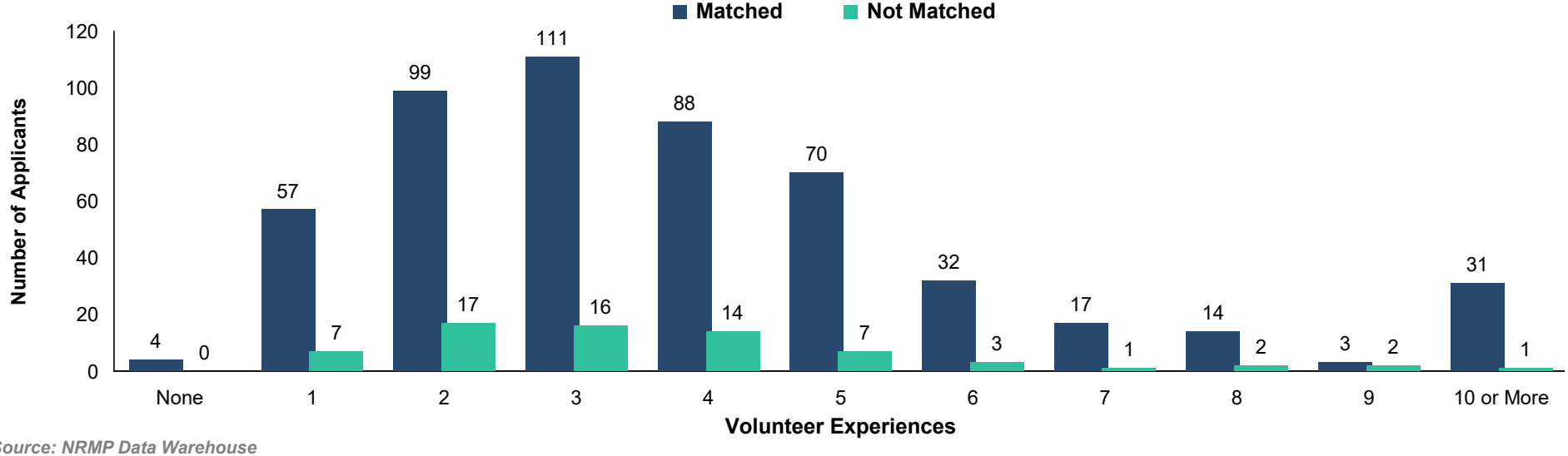


Chart DR-8

Number of Volunteer Experiences of U.S. MD Seniors

Diagnostic Radiology

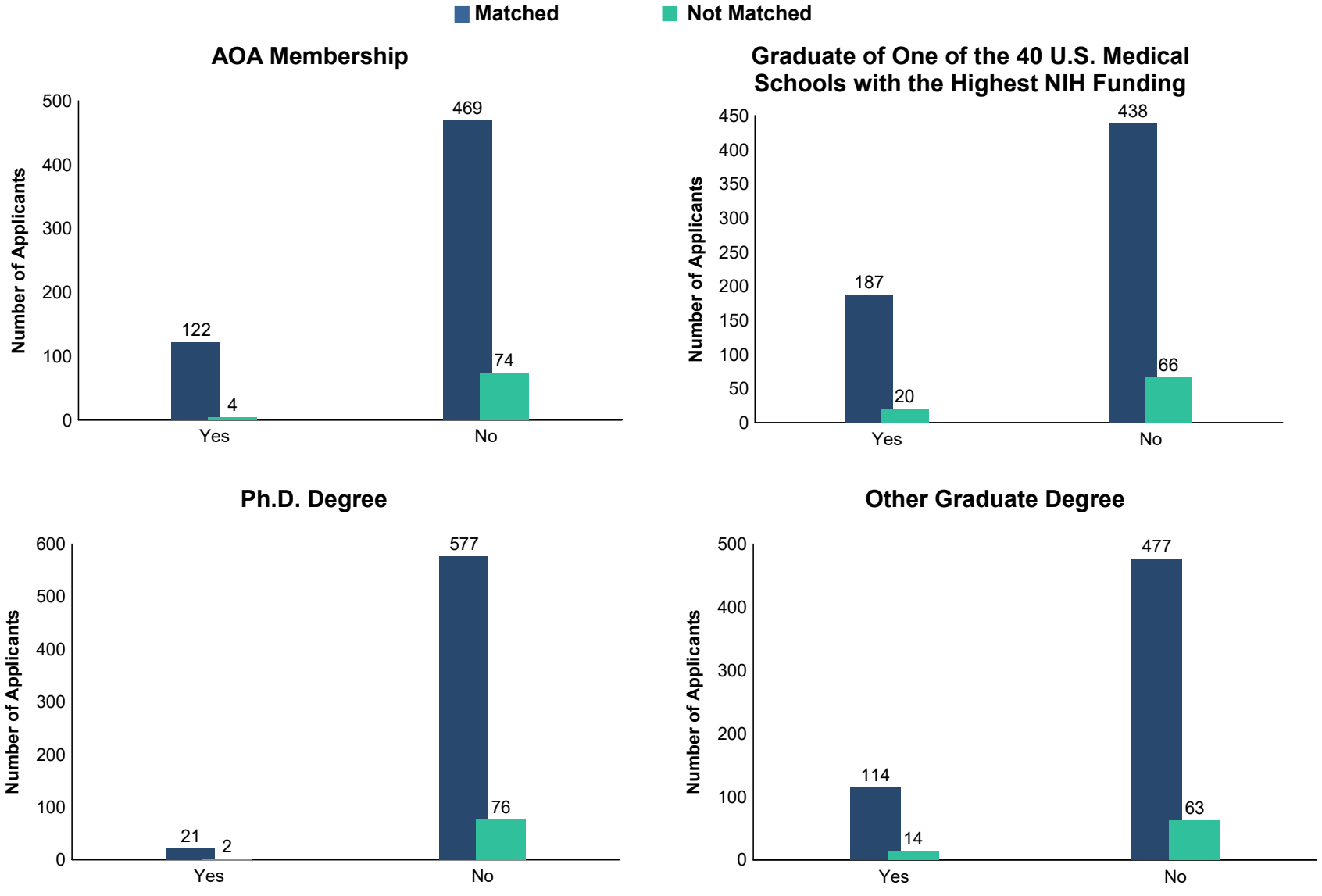


Source: NRMP Data Warehouse

Chart DR-9

Other Characteristics of U.S. MD Seniors

Diagnostic Radiology



Source: NRMP Data Warehouse. Top 40 U.S. medical schools with the highest NIH funding from NIH: http://report.nih.gov/award/index.cfm

EM Emergency Medicine

Table EM-1 Summary Statistics on U.S. MD Seniors
Emergency Medicine

Measure	Matched (n=1,027)	Unmatched (n=20)
1. Mean number of contiguous ranks	15.4	4.5
2. Mean number of distinct specialties ranked	1.0	1.1
3. Mean USMLE Step 1 score*	224	220
4. Mean USMLE Step 2 score	248	234
5. Mean number of research experiences	2.8	2.3
6. Mean number of abstracts, presentations, and publications	5.7	5.0
7. Mean number of work experiences	2.2	2.8
8. Mean number of volunteer experiences	4.4	4.8
9. Percentage who are AOA members	11.8	0.0
10. Percentage who graduated from one of the 40 U.S. medical schools with the highest NIH funding	24.8	15.0
11. Percentage who have Ph.D. degree	1.0	5.0
12. Percentage who have another graduate degree	19.9	35.0

Note: Only U.S. MD seniors who gave consent to use their information in research are included.
*Only applicants who indicated completion of the USMLE Step 1 exam prior to the transition to pass/fail (i.e., prior to January 26, 2022) had the option to self-report their Step 1 numeric score. In 2024, only 2,143 U.S. MD seniors self-reported Step 1 numeric scores.
Sources. NRMP Data Warehouse; Top 40 U.S. medical schools with the highest NIH funding in measure 10 is from the NIH website (http://report.nih.gov/award/index.cfm).

Chart EM-1

Number of Distinct Specialties Ranked by U.S. MD Seniors

Emergency Medicine

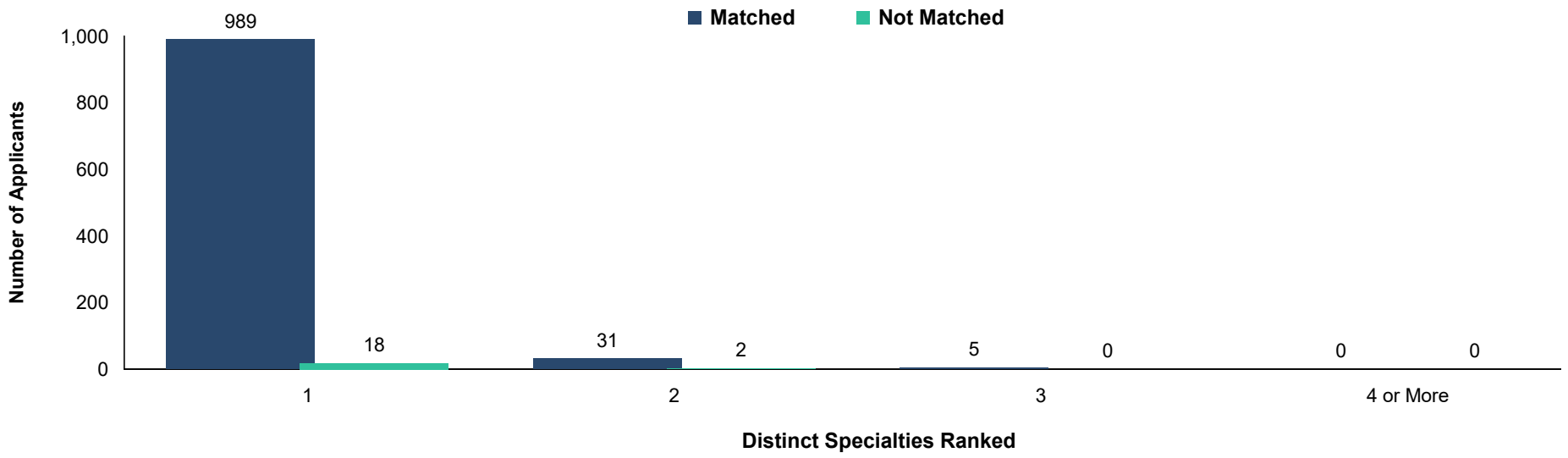
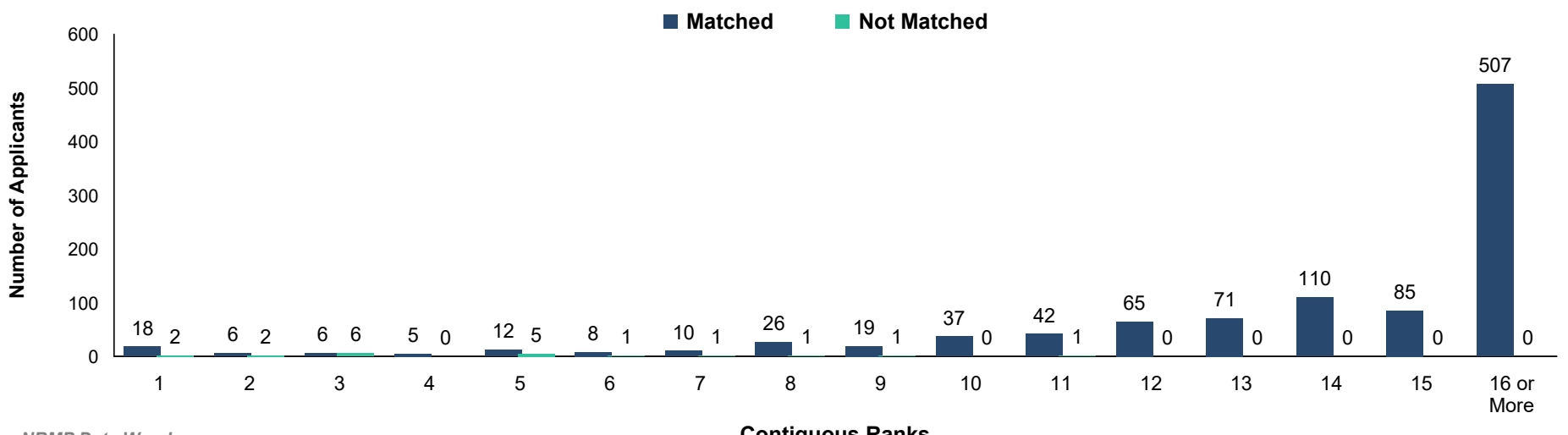


Chart EM-2

Number of Contiguous Ranks of U.S. MD Seniors

Emergency Medicine

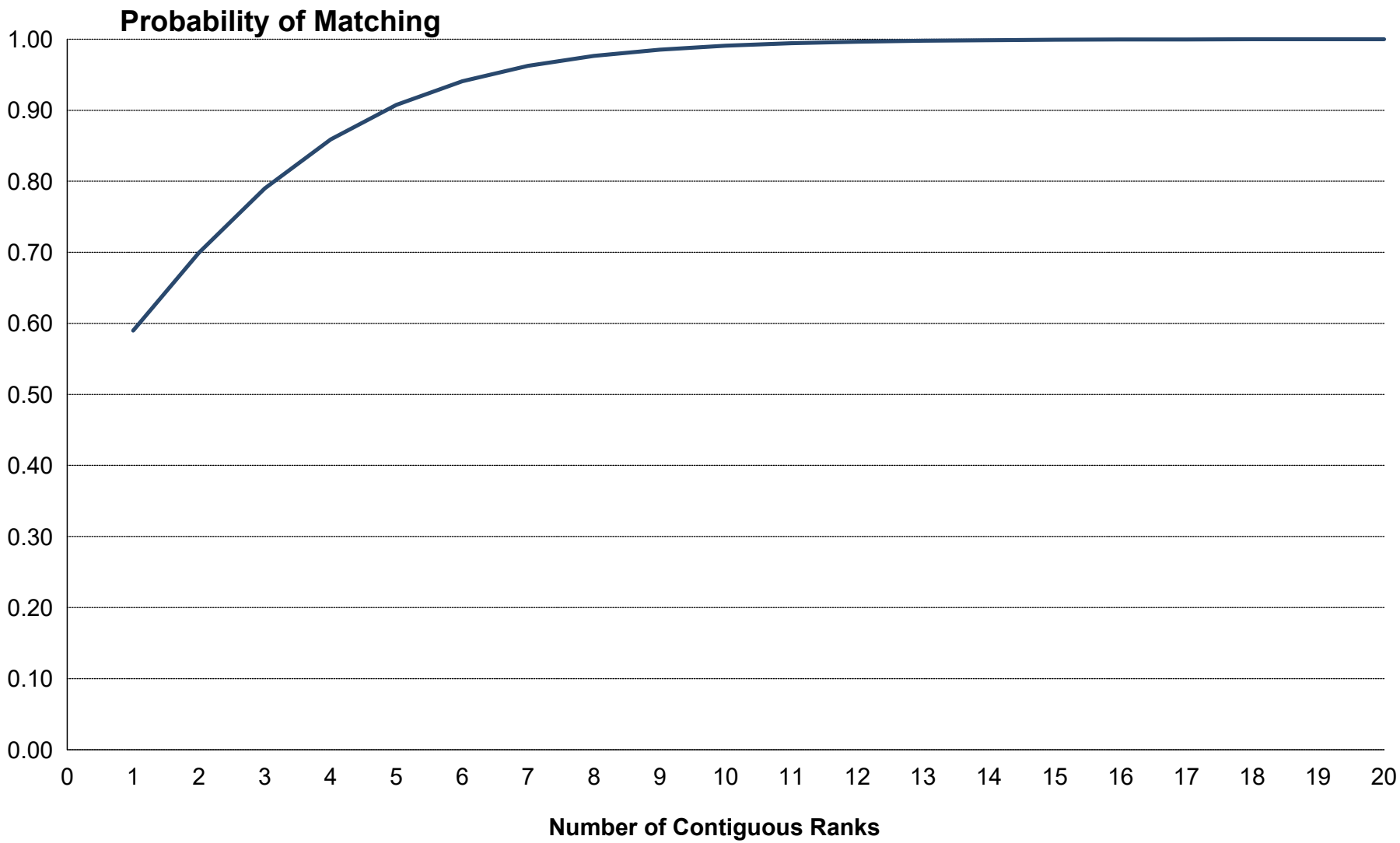


Source: NRMP Data Warehouse

Graph EM-1

Probability of U.S. MD Seniors Matching to Preferred Specialty by Number of Contiguous Ranks

Emergency Medicine



Source: NRMP Data Warehouse. Note: Probabilities calculated based on 2022-2024 applicants

Chart EM-3

USMLE Step 1 Scores of U.S. MD Seniors

Emergency Medicine

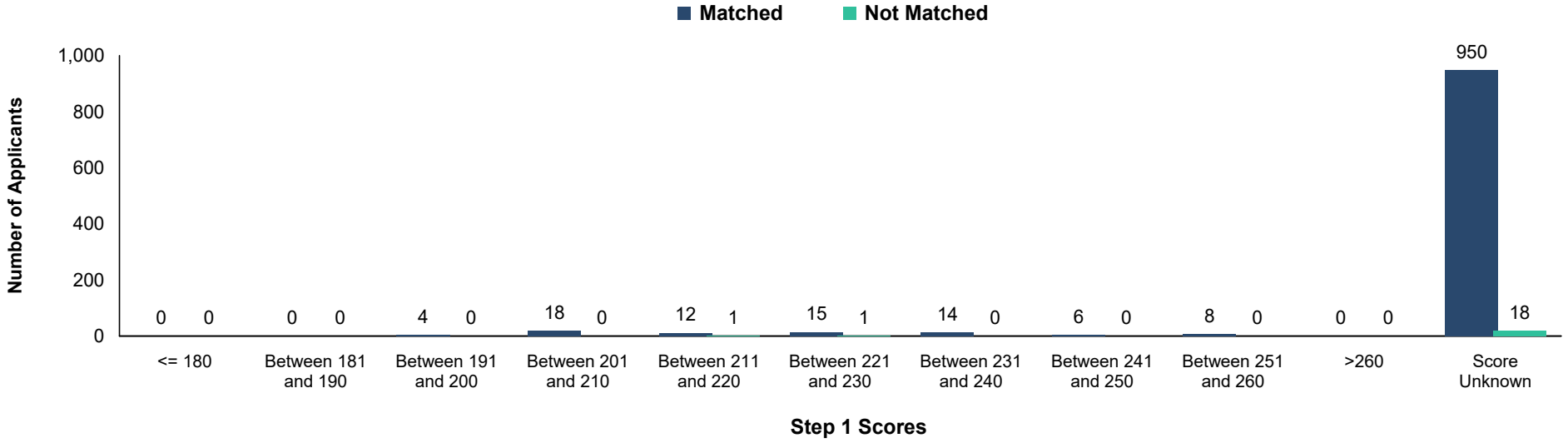
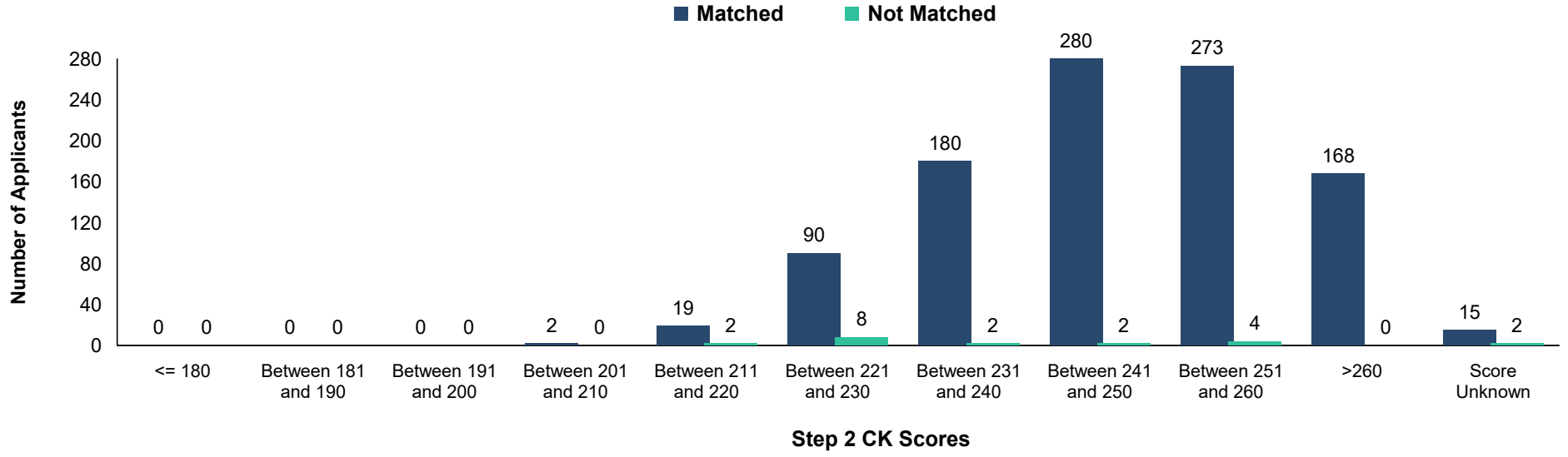


Chart EM-4

USMLE Step 2 CK Scores of U.S. MD Seniors

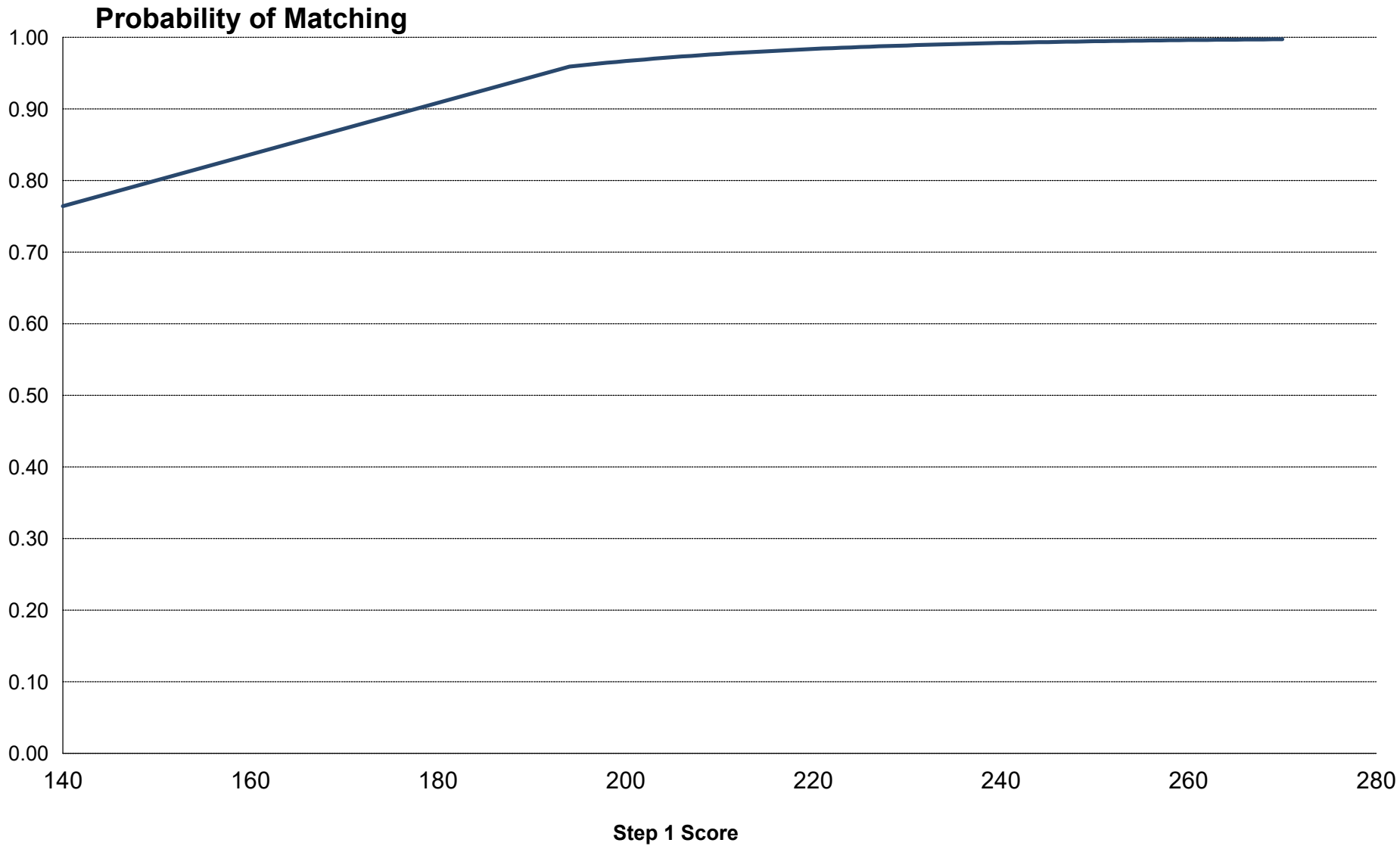
Emergency Medicine



Graph EM-2

Probability of U.S. MD Seniors Matching to Preferred Specialty by USMLE Step 1 Score

Emergency Medicine

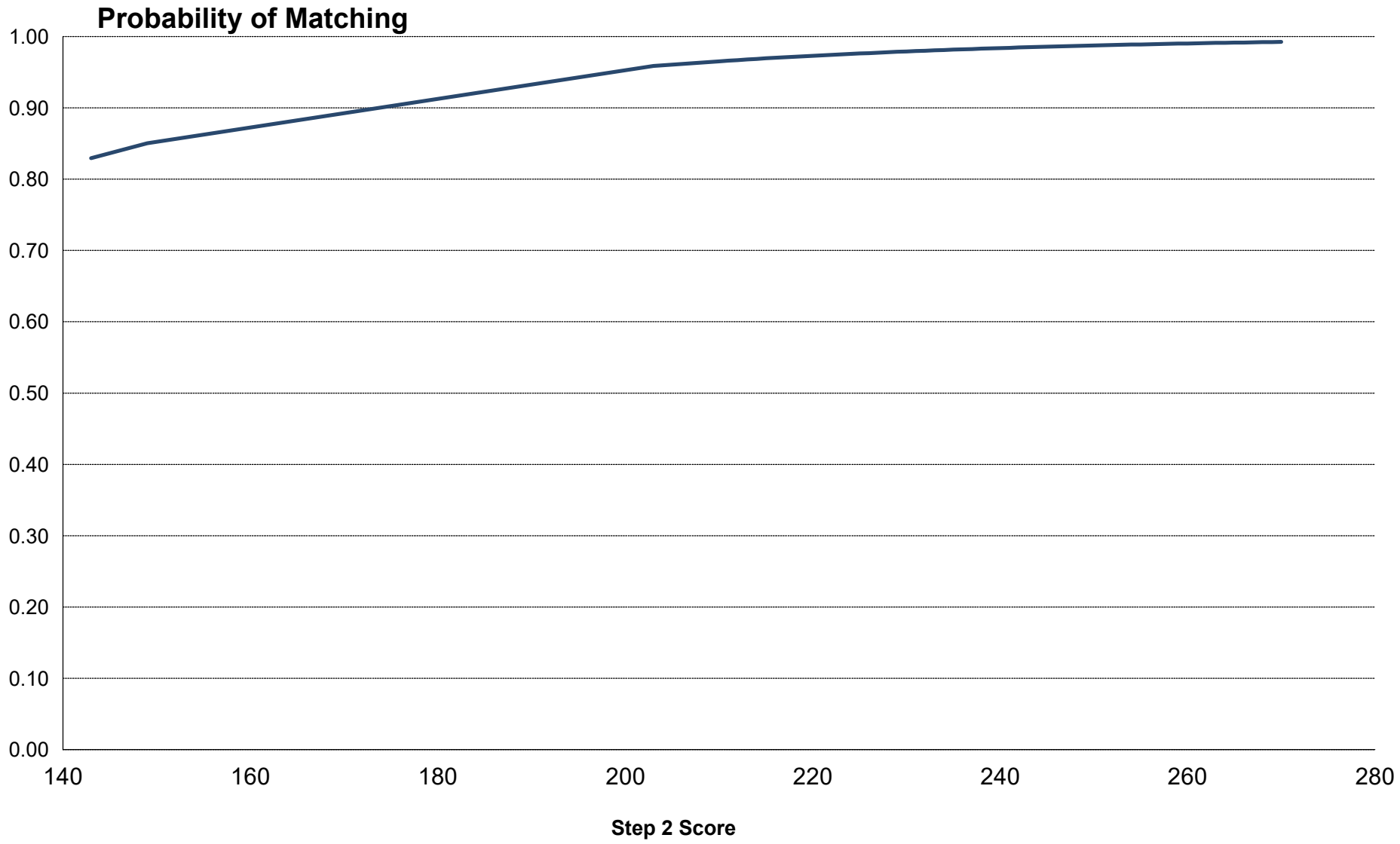


Source: NRMP Data Warehouse. Note: Probabilities calculated based on 2022-2024 applicants.

Graph EM-3

Probability of U.S. MD Seniors Matching to Preferred Specialty by USMLE Step 2 Score

Emergency Medicine



Source: NRMP Data Warehouse. Note: Probabilities calculated based on 2022-2024 applicants.

Chart EM-5

Number of Research Projects of U.S. MD Seniors

Emergency Medicine

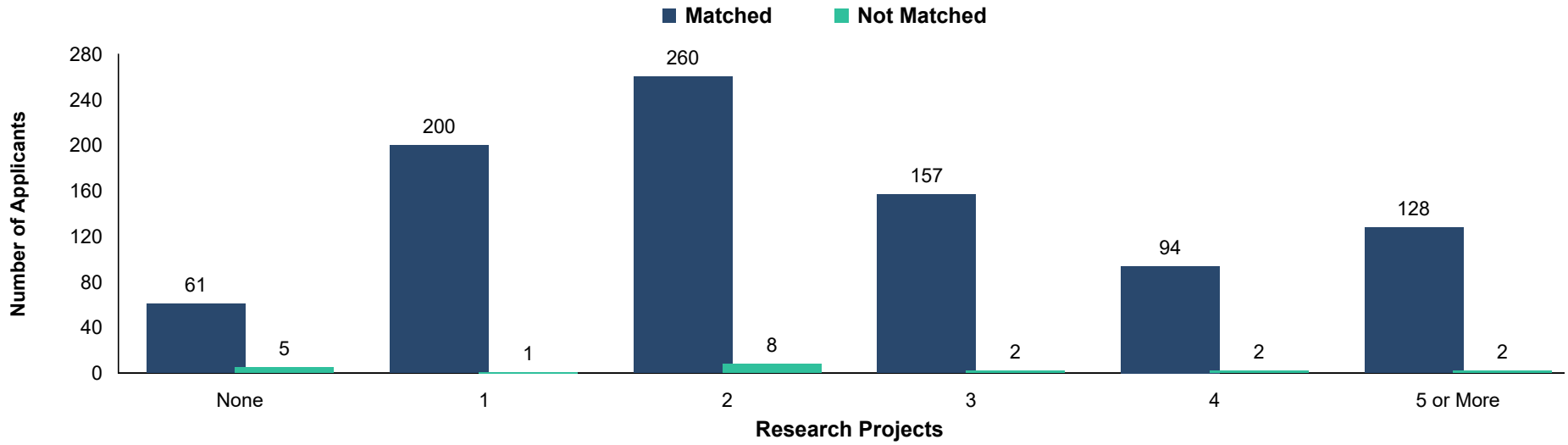
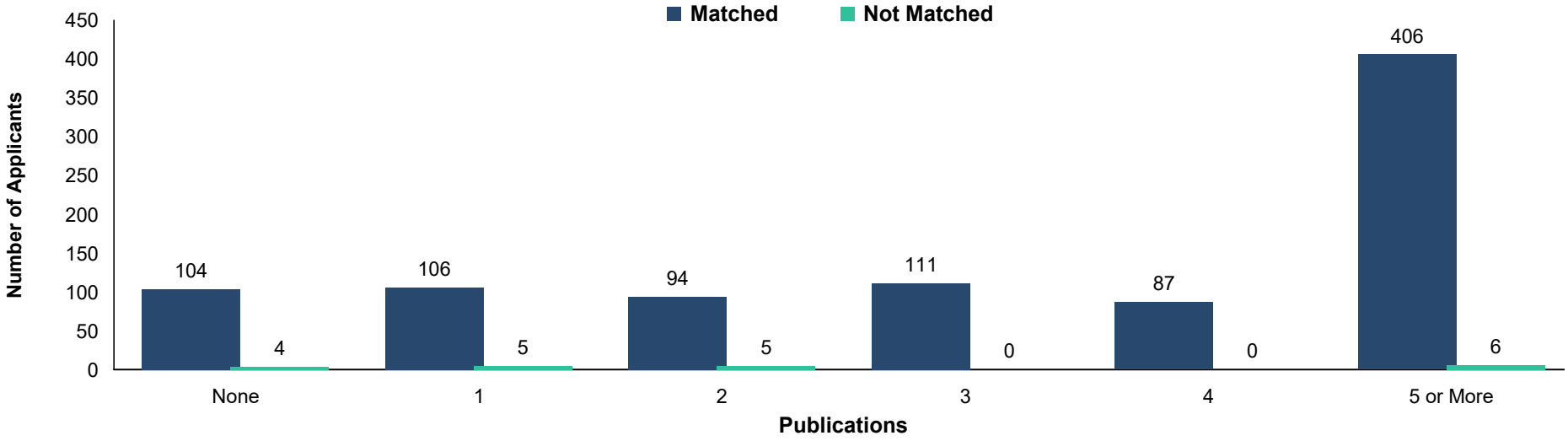


Chart EM-6

Number of Abstracts, Presentations, and Publications of U.S. MD Seniors

Emergency Medicine



Source: NRMP Data Warehouse

Chart EM-7

Number of Work Experiences of U.S. MD Seniors

Emergency Medicine

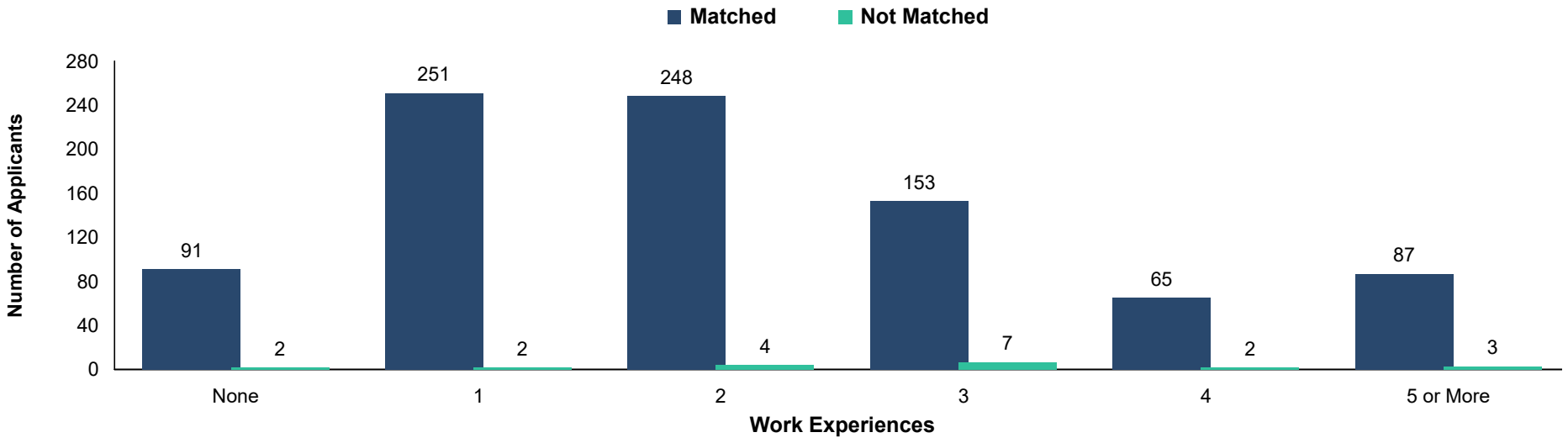
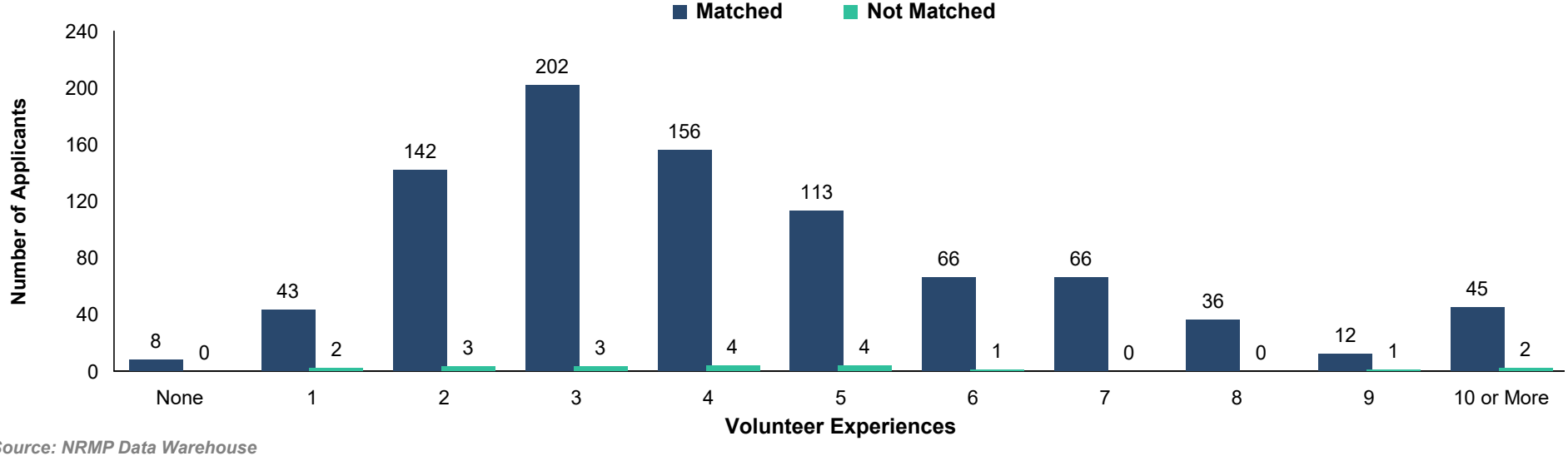


Chart EM-8

Number of Volunteer Experiences of U.S. MD Seniors

Emergency Medicine

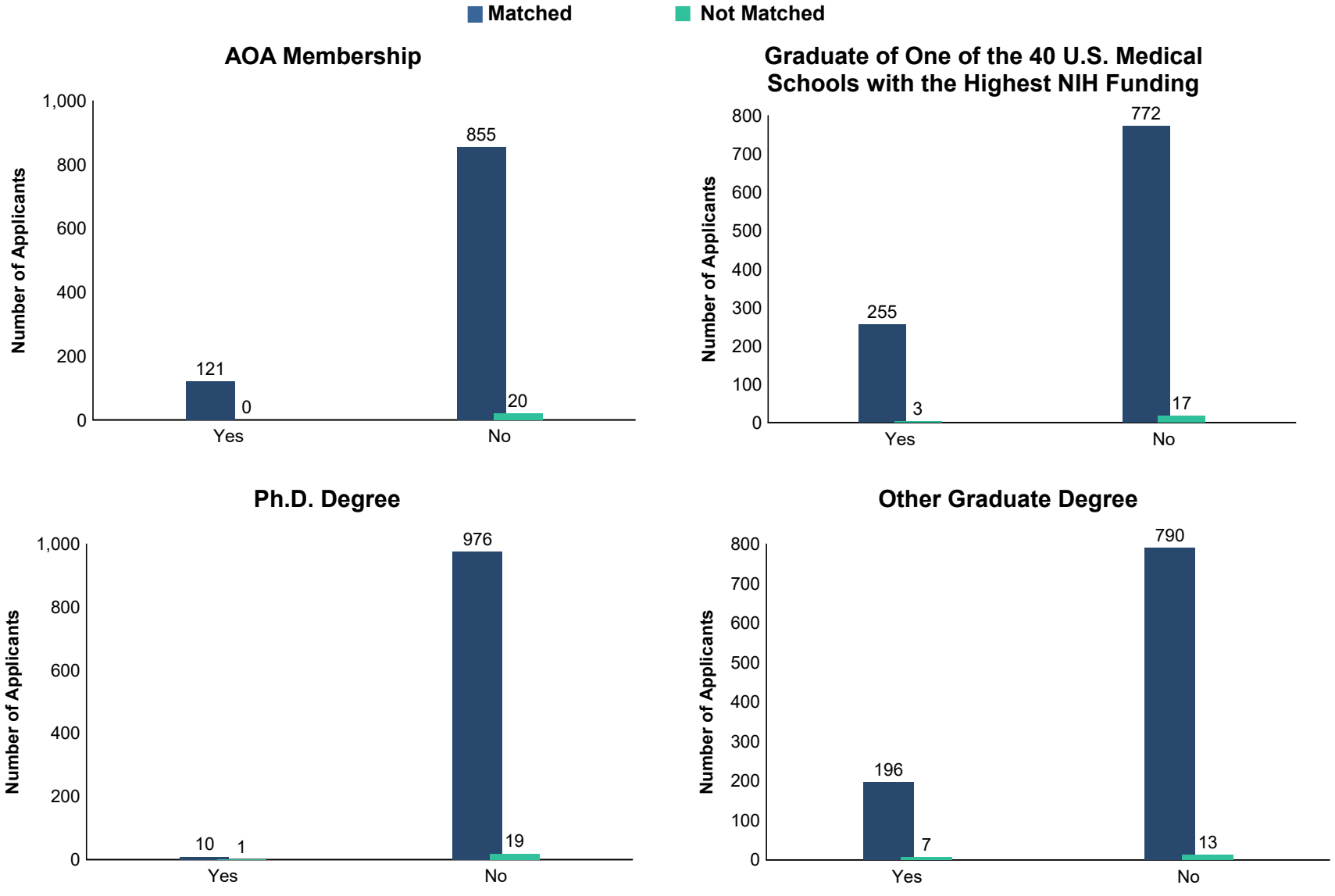


Source: NRMP Data Warehouse

Chart EM-9

Other Characteristics of U.S. MD Seniors

Emergency Medicine



Source: NRMP Data Warehouse. Top 40 U.S. medical schools with the highest NIH funding from NIH: http://report.nih.gov/award/index.cfm

FM Family Medicine

Table FM-1 Summary Statistics on U.S. MD Seniors
Family Medicine

Measure	Matched (n=1,170)	Unmatched (n=12)
1. Mean number of contiguous ranks	13.5	5.1
2. Mean number of distinct specialties ranked	1.0	1.2
3. Mean USMLE Step 1 score*	217	208
4. Mean USMLE Step 2 score	244	231
5. Mean number of research experiences	2.1	1.8
6. Mean number of abstracts, presentations, and publications	4.2	1.4
7. Mean number of work experiences	1.8	2.3
8. Mean number of volunteer experiences	4.6	7.4
9. Percentage who are AOA members	9.4	0.0
10. Percentage who graduated from one of the 40 U.S. medical schools with the highest NIH funding	25.5	16.7
11. Percentage who have Ph.D. degree	0.9	0.0
12. Percentage who have another graduate degree	17.0	8.3

Note: Only U.S. MD seniors who gave consent to use their information in research are included.
*Only applicants who indicated completion of the USMLE Step 1 exam prior to the transition to pass/fail (i.e., prior to January 26, 2022) had the option to self-report their Step 1 numeric score. In 2024, only 2,143 U.S. MD seniors self-reported Step 1 numeric scores.
Sources. NRMP Data Warehouse; Top 40 U.S. medical schools with the highest NIH funding in measure 10 is from the NIH website (http://report.nih.gov/award/index.cfm).

Chart FM-1

Number of Distinct Specialties Ranked by U.S. MD Seniors

Family Medicine

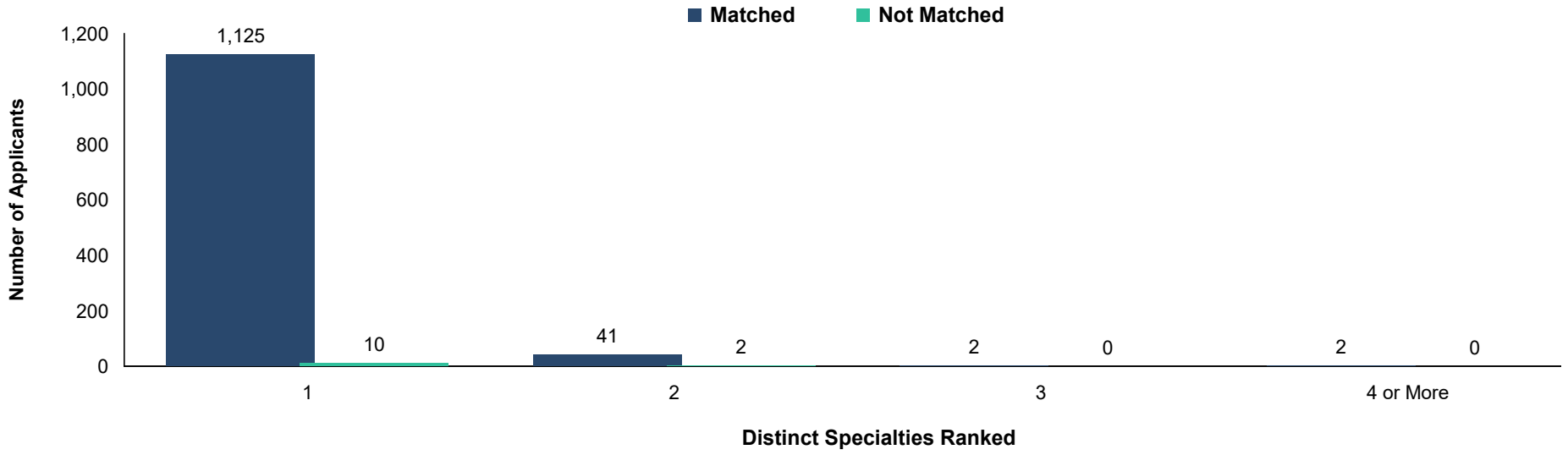
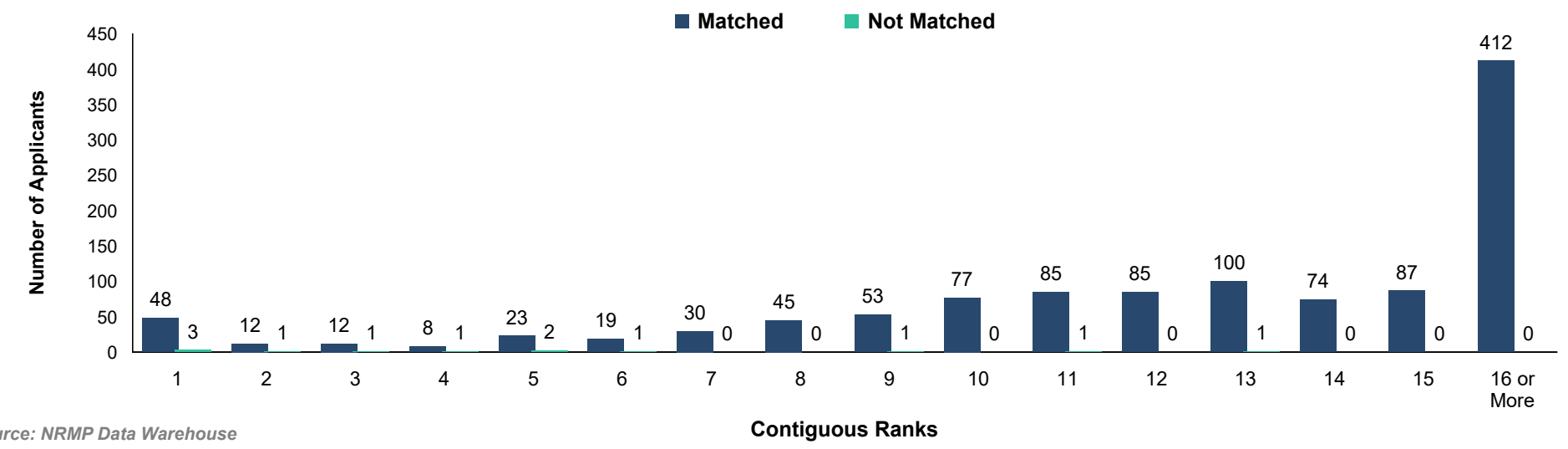


Chart FM-2

Number of Contiguous Ranks of U.S. MD Seniors

Family Medicine

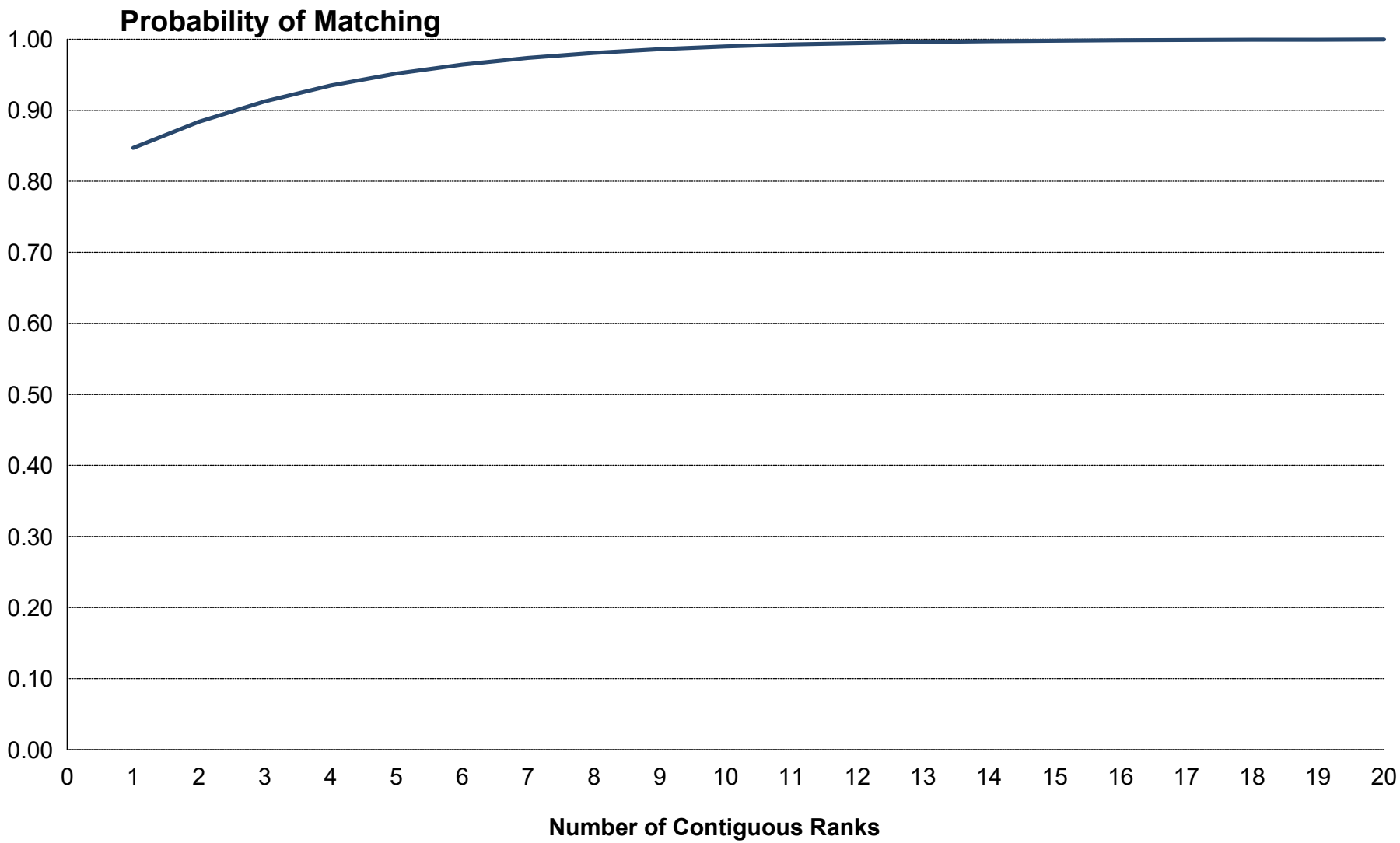


Source: NRMP Data Warehouse

Graph FM-1

Probability of U.S. MD Seniors Matching to Preferred Specialty by Number of Contiguous Ranks

Family Medicine



Source: NRMP Data Warehouse. Note: Probabilities calculated based on 2022-2024 applicants

Chart FM-3

USMLE Step 1 Scores of U.S. MD Seniors

Family Medicine

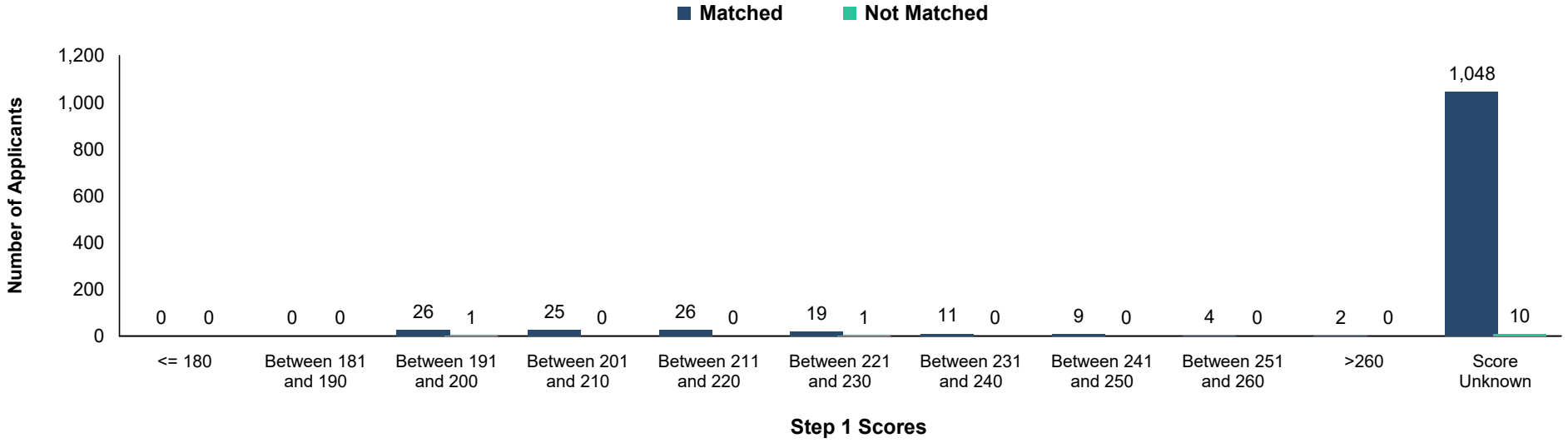
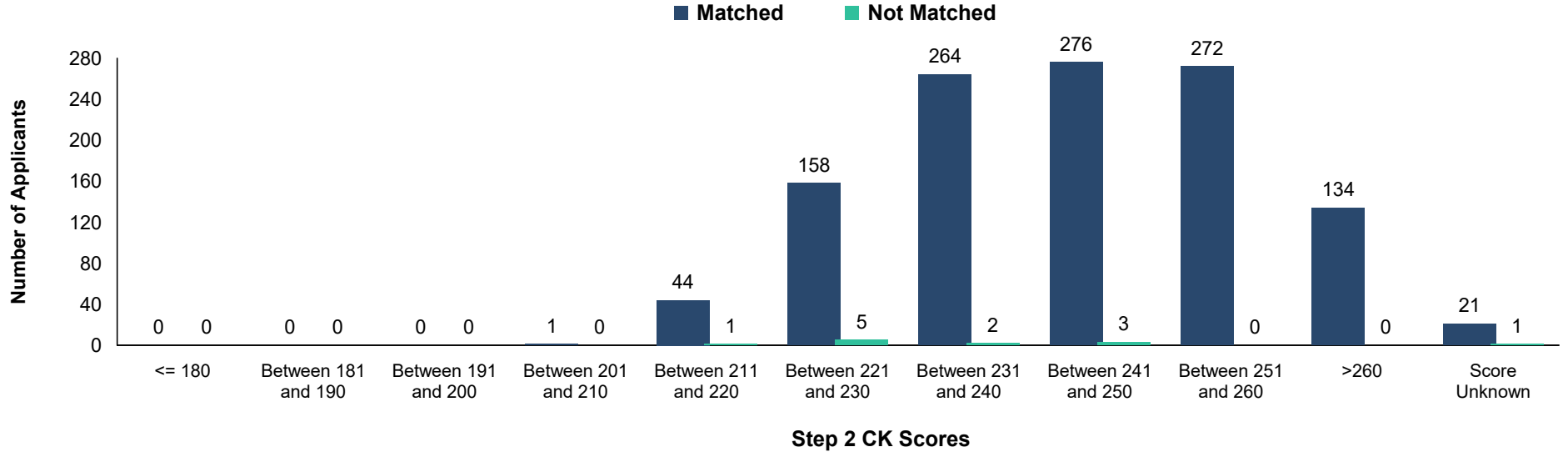


Chart FM-4

USMLE Step 2 CK Scores of U.S. MD Seniors

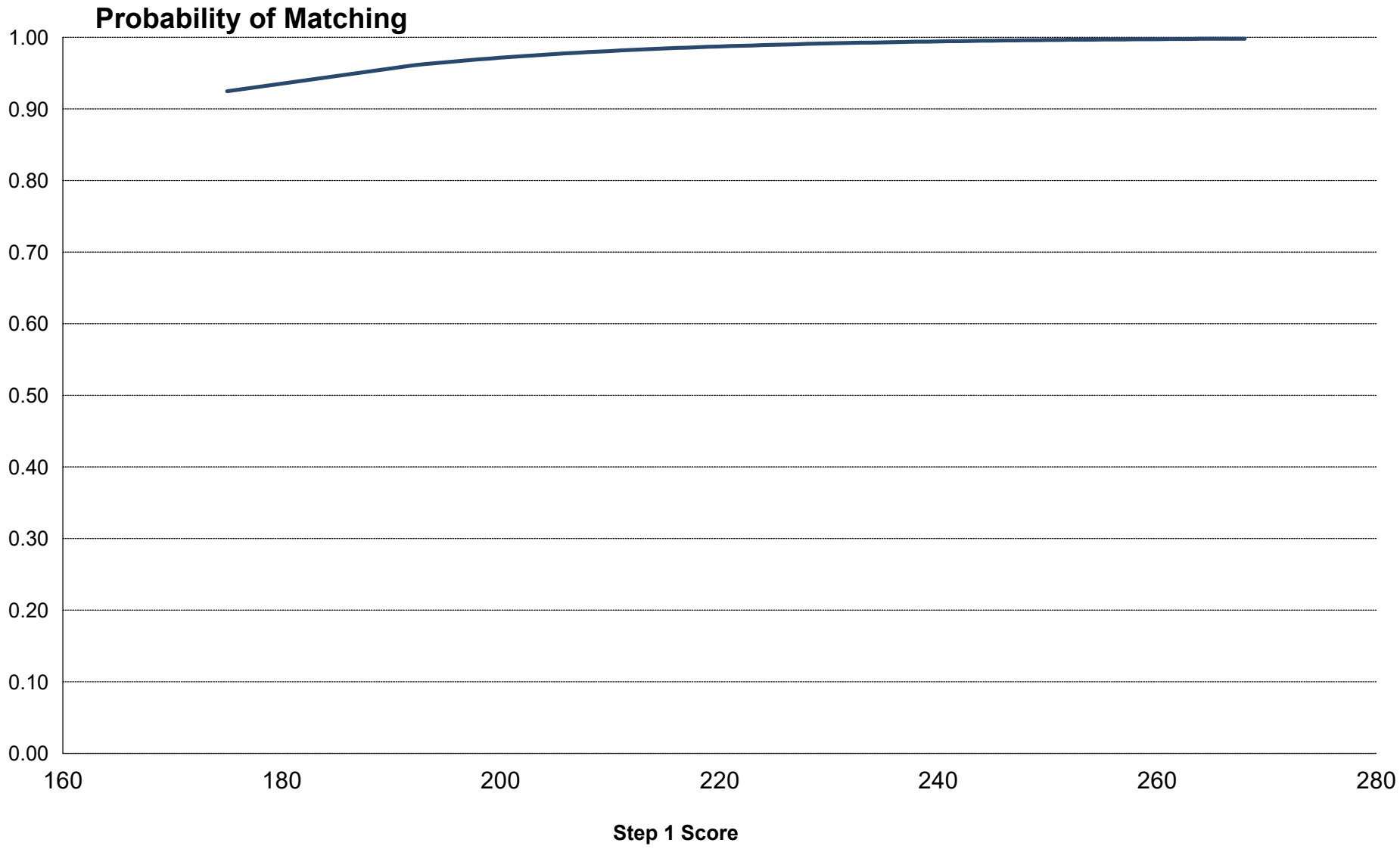
Family Medicine



Graph FM-2

Probability of U.S. MD Seniors Matching to Preferred Specialty by USMLE Step 1 Score

Family Medicine

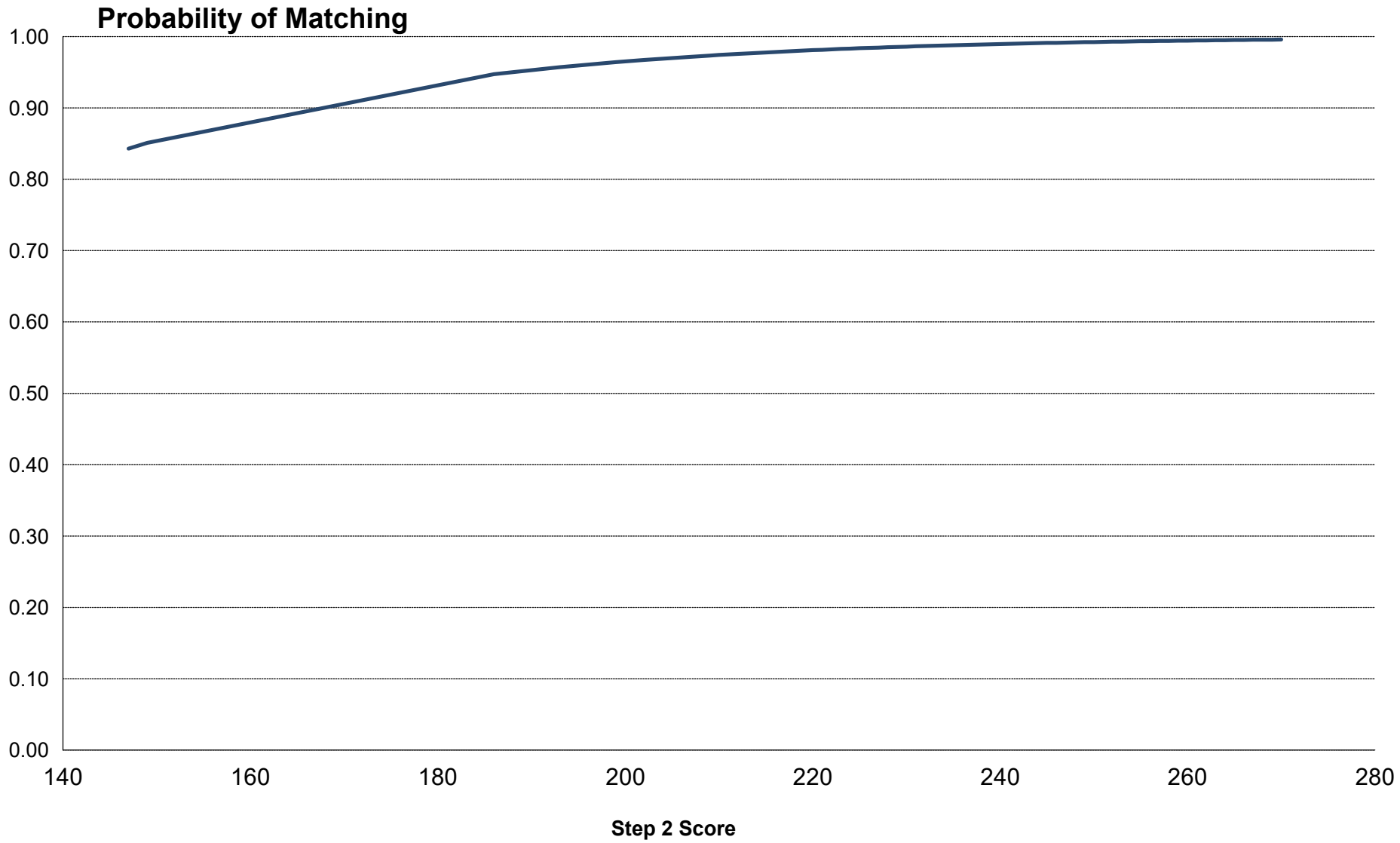


Source: NRMP Data Warehouse. Note: Probabilities calculated based on 2022-2024 applicants.

Graph FM-3

Probability of U.S. MD Seniors Matching to Preferred Specialty by USMLE Step 2 Score

Family Medicine



Source: NRMP Data Warehouse. Note: Probabilities calculated based on 2022-2024 applicants.

Chart FM-5

Number of Research Projects of U.S. MD Seniors

Family Medicine

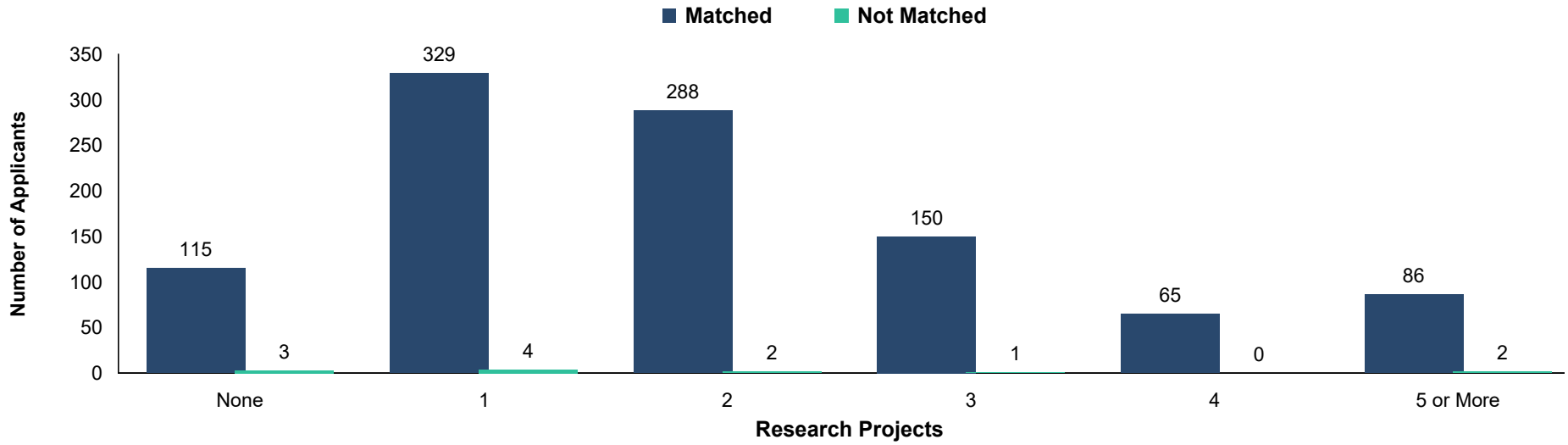
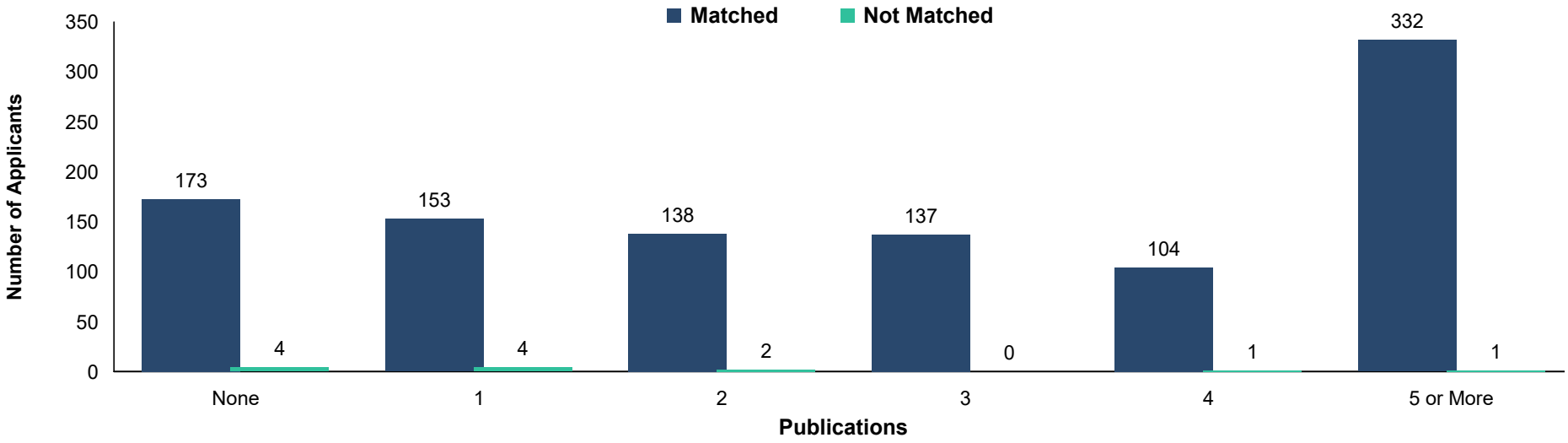


Chart FM-6

Number of Abstracts, Presentations, and Publications of U.S. MD Seniors

Family Medicine



Source: NRMP Data Warehouse

Chart FM-7

Number of Work Experiences of U.S. MD Seniors

Family Medicine

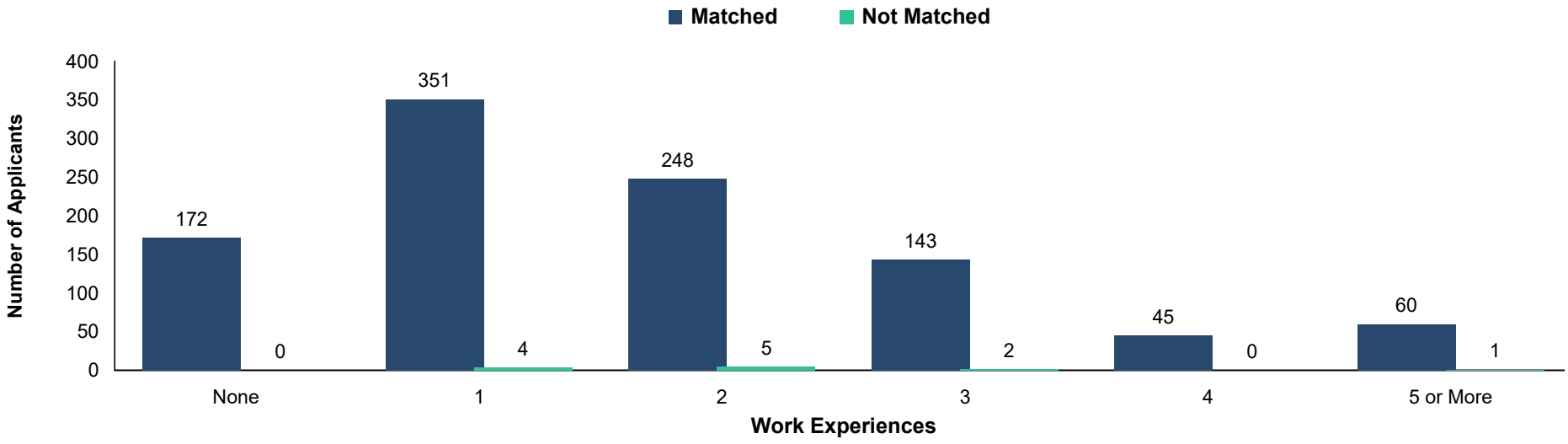
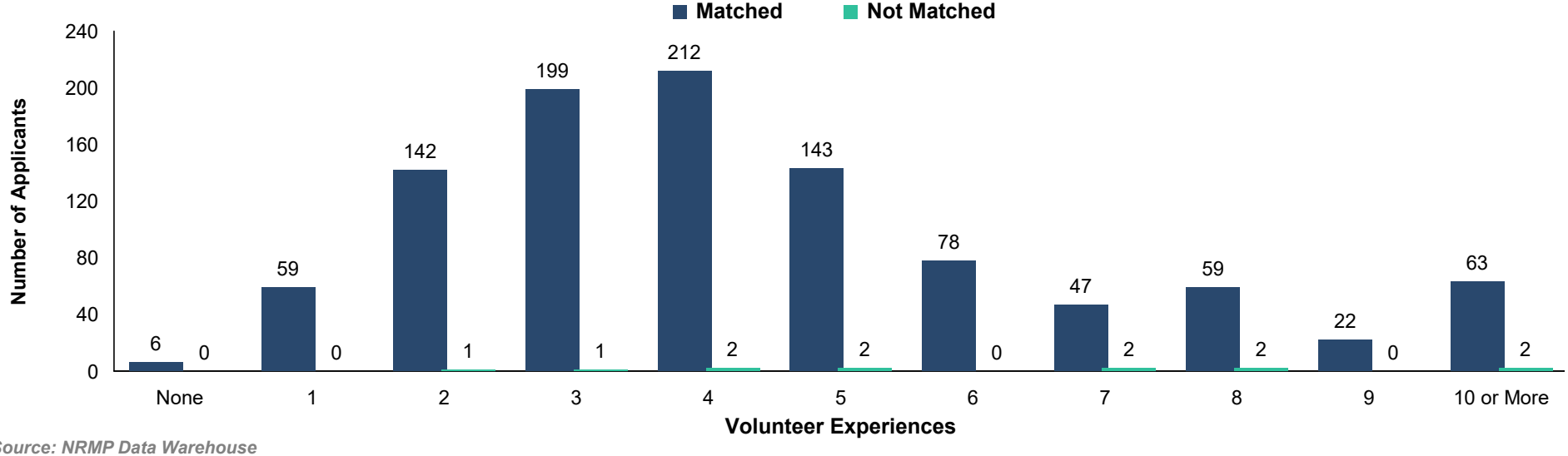


Chart FM-8

Number of Volunteer Experiences of U.S. MD Seniors

Family Medicine

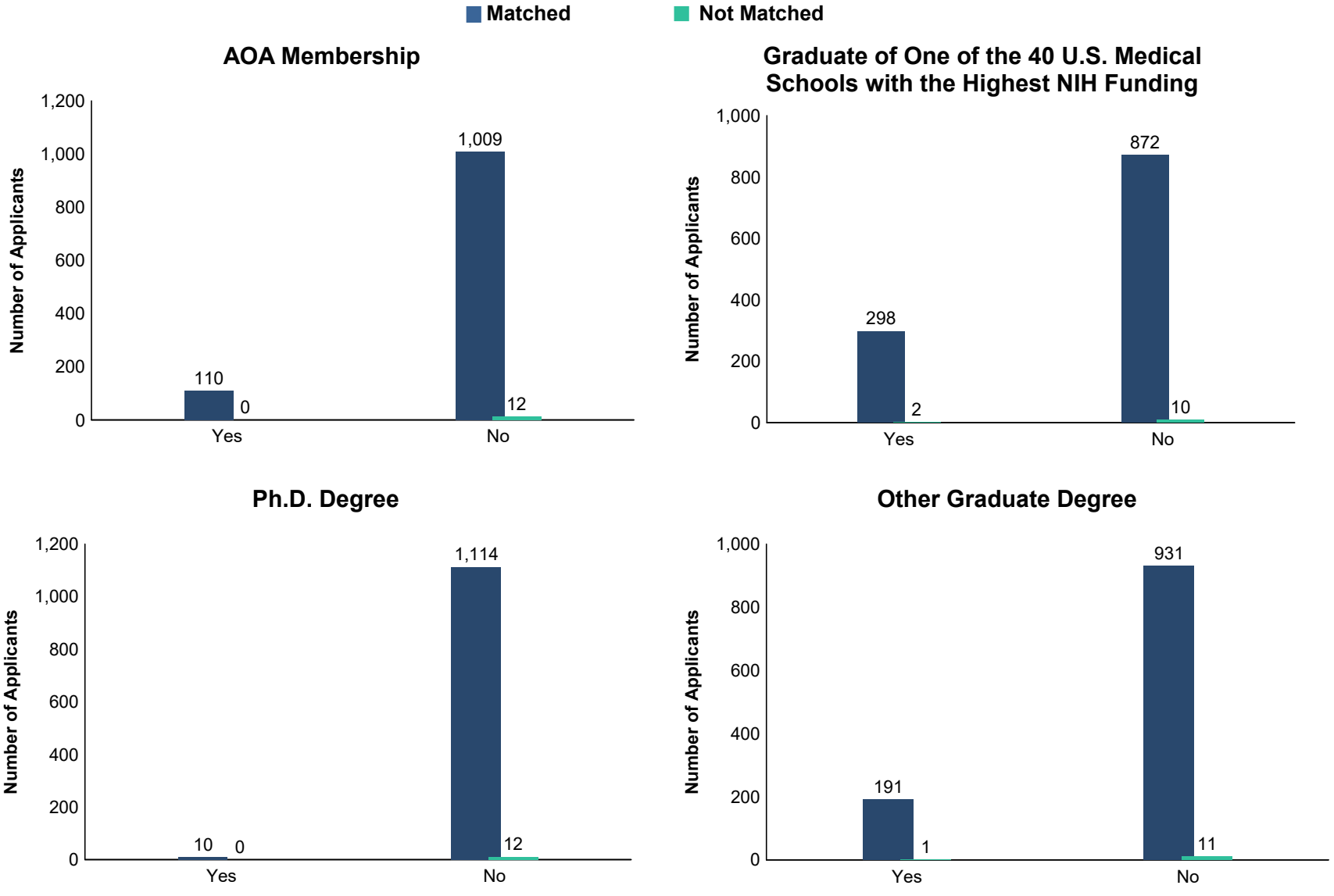


Source: NRMP Data Warehouse

Chart FM-9

Other Characteristics of U.S. MD Seniors

Family Medicine



Source: NRMP Data Warehouse. Top 40 U.S. medical schools with the highest NIH funding from NIH: http://report.nih.gov/award/index.cfm

GS General Surgery

Table GS-1 Summary Statistics on U.S. MD Seniors
General Surgery

Measure	Matched (n=858)	Unmatched (n=181)
1. Mean number of contiguous ranks	14.1	5.6
2. Mean number of distinct specialties ranked	1.0	1.1
3. Mean USMLE Step 1 score*	235	215
4. Mean USMLE Step 2 score	253	238
5. Mean number of research experiences	4.2	3.7
6. Mean number of abstracts, presentations, and publications	10.9	7.3
7. Mean number of work experiences	2.0	2.5
8. Mean number of volunteer experiences	4.5	4.2
9. Percentage who are AOA members	22.0	2.8
10. Percentage who graduated from one of the 40 U.S. medical schools with the highest NIH funding	27.7	16.6
11. Percentage who have Ph.D. degree	1.8	1.2
12. Percentage who have another graduate degree	21.7	23.8

Note: Only U.S. MD seniors who gave consent to use their information in research are included.
*Only applicants who indicated completion of the USMLE Step 1 exam prior to the transition to pass/fail (i.e., prior to January 26, 2022) had the option to self-report their Step 1 numeric score. In 2024, only 2,143 U.S. MD seniors self-reported Step 1 numeric scores.
Sources. NRMP Data Warehouse; Top 40 U.S. medical schools with the highest NIH funding in measure 10 is from the NIH website (http://report.nih.gov/award/index.cfm).

Chart GS-1

Number of Distinct Specialties Ranked by U.S. MD Seniors

General Surgery

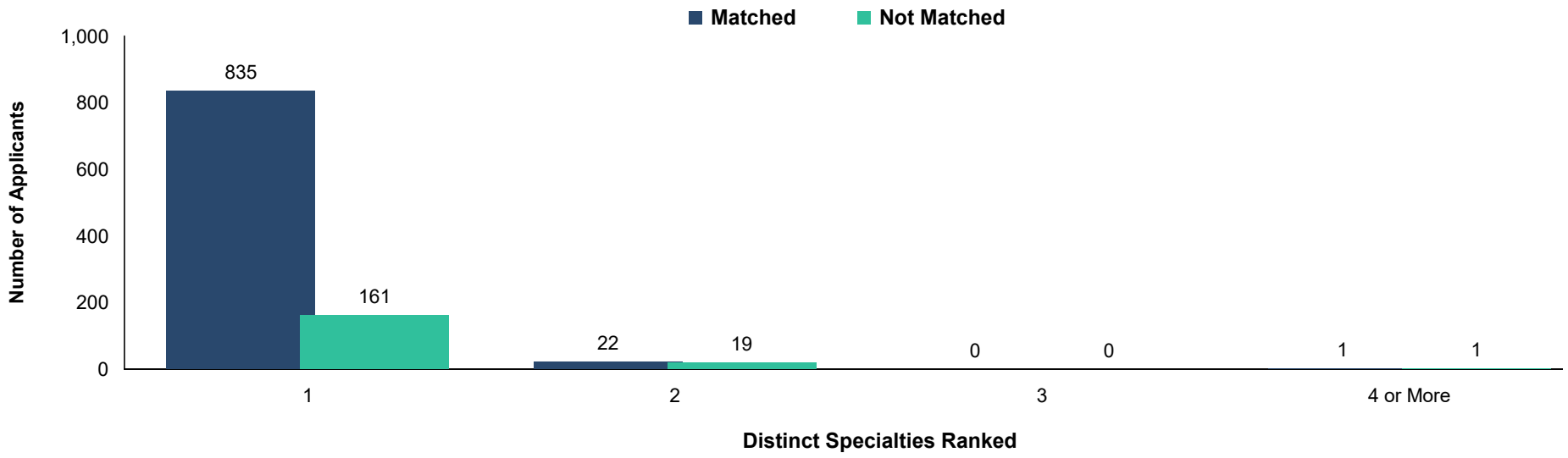
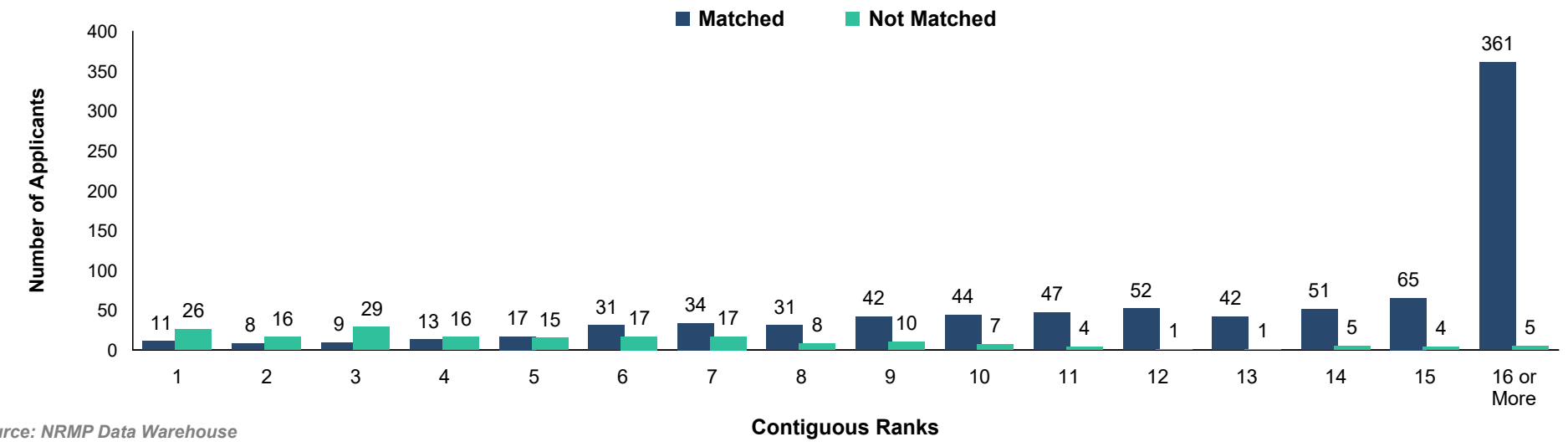


Chart GS-2

Number of Contiguous Ranks of U.S. MD Seniors

General Surgery

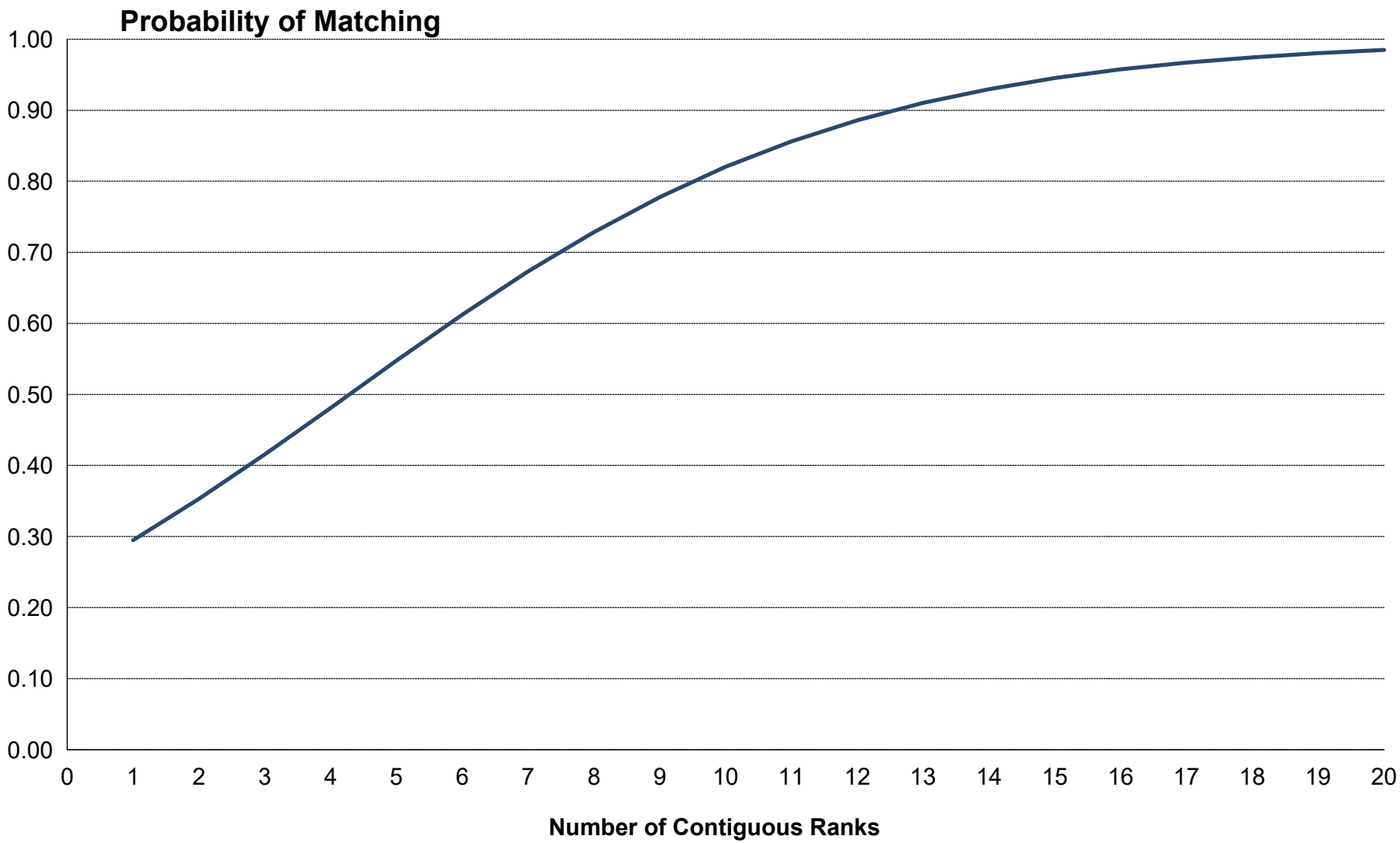


Source: NRMP Data Warehouse

Graph GS-1

Probability of U.S. MD Seniors Matching to Preferred Specialty by Number of Contiguous Ranks

General Surgery



Source: NRMP Data Warehouse. Note: Probabilities calculated based on 2022-2024 applicants

Chart GS-3

USMLE Step 1 Scores of U.S. MD Seniors

General Surgery

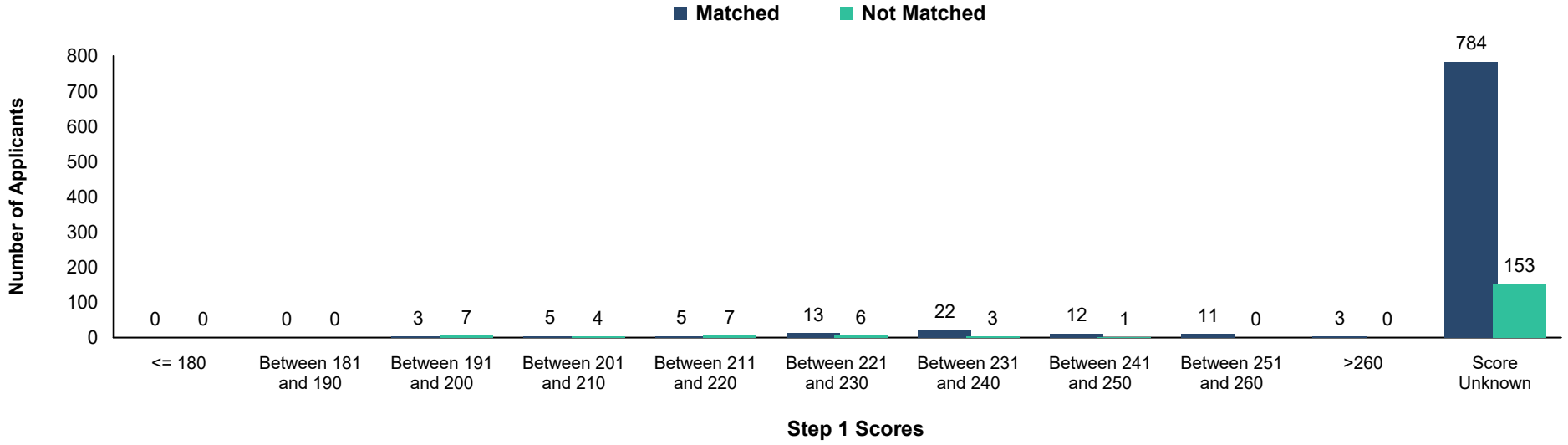
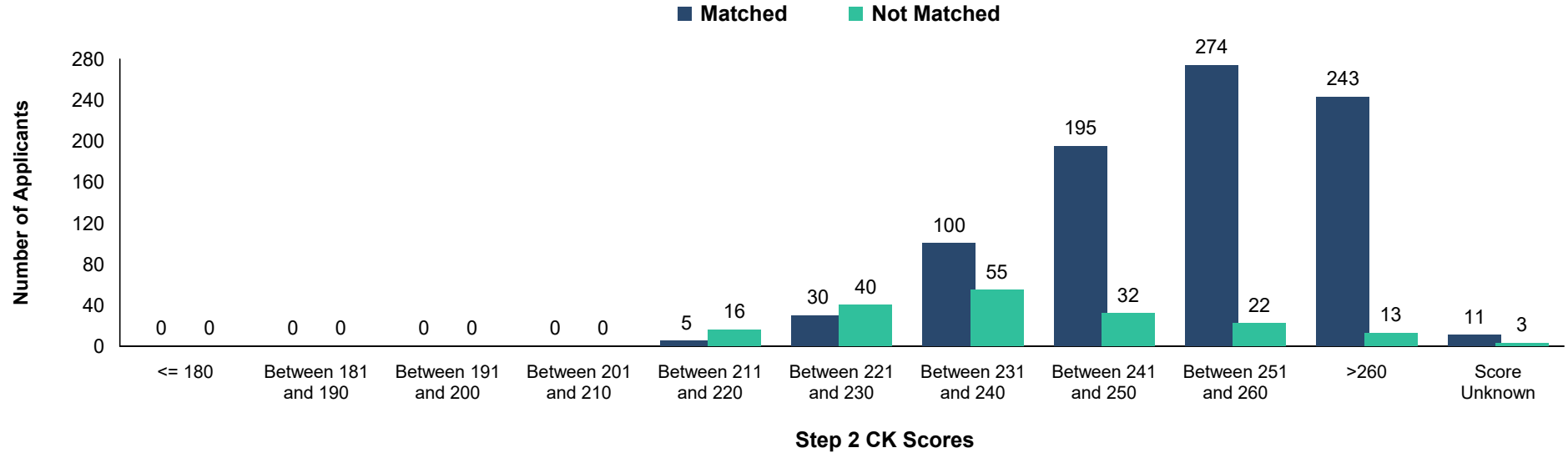


Chart GS-4

USMLE Step 2 CK Scores of U.S. MD Seniors

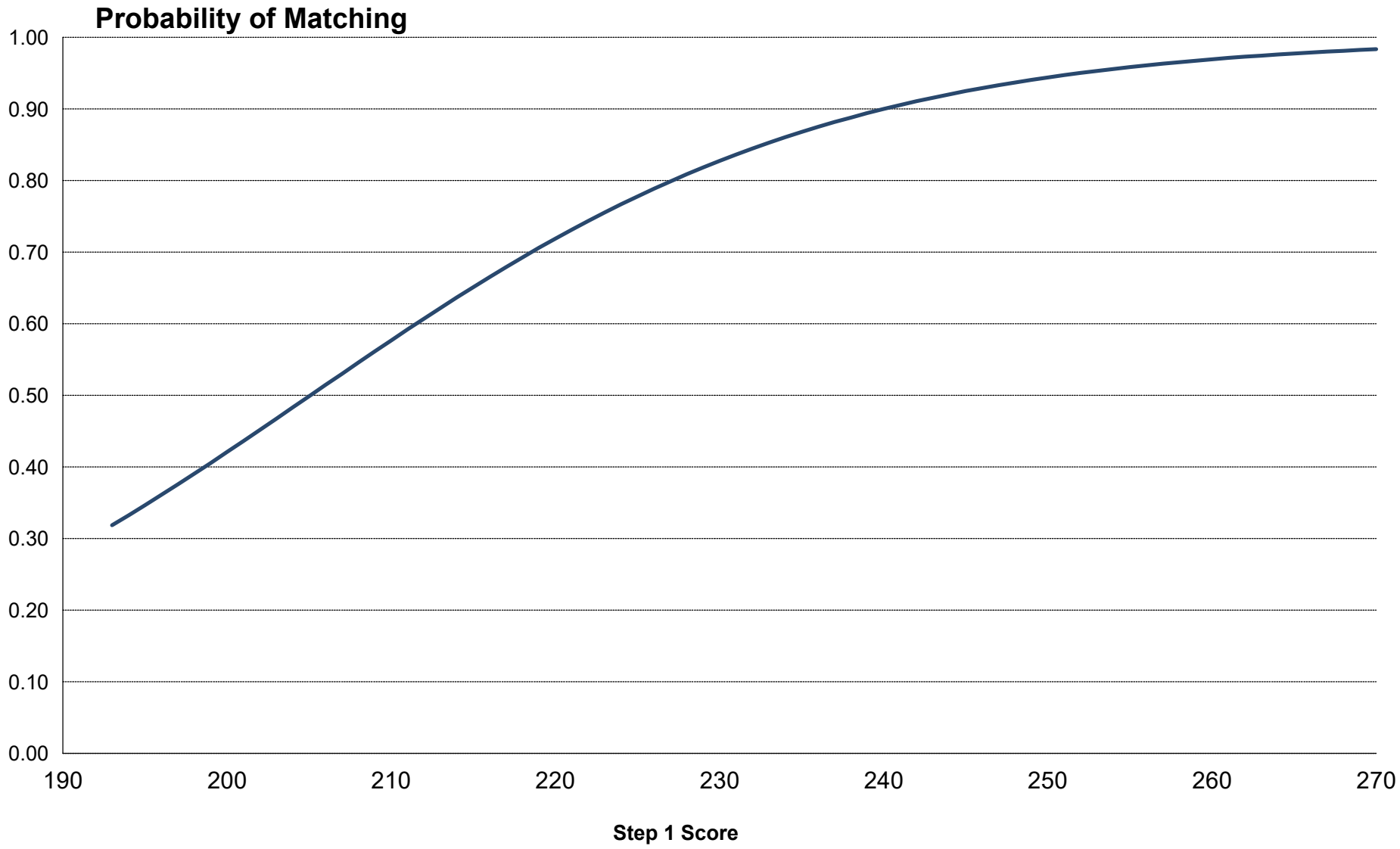
General Surgery



Graph GS-2

Probability of U.S. MD Seniors Matching to Preferred Specialty by USMLE Step 1 Score

General Surgery

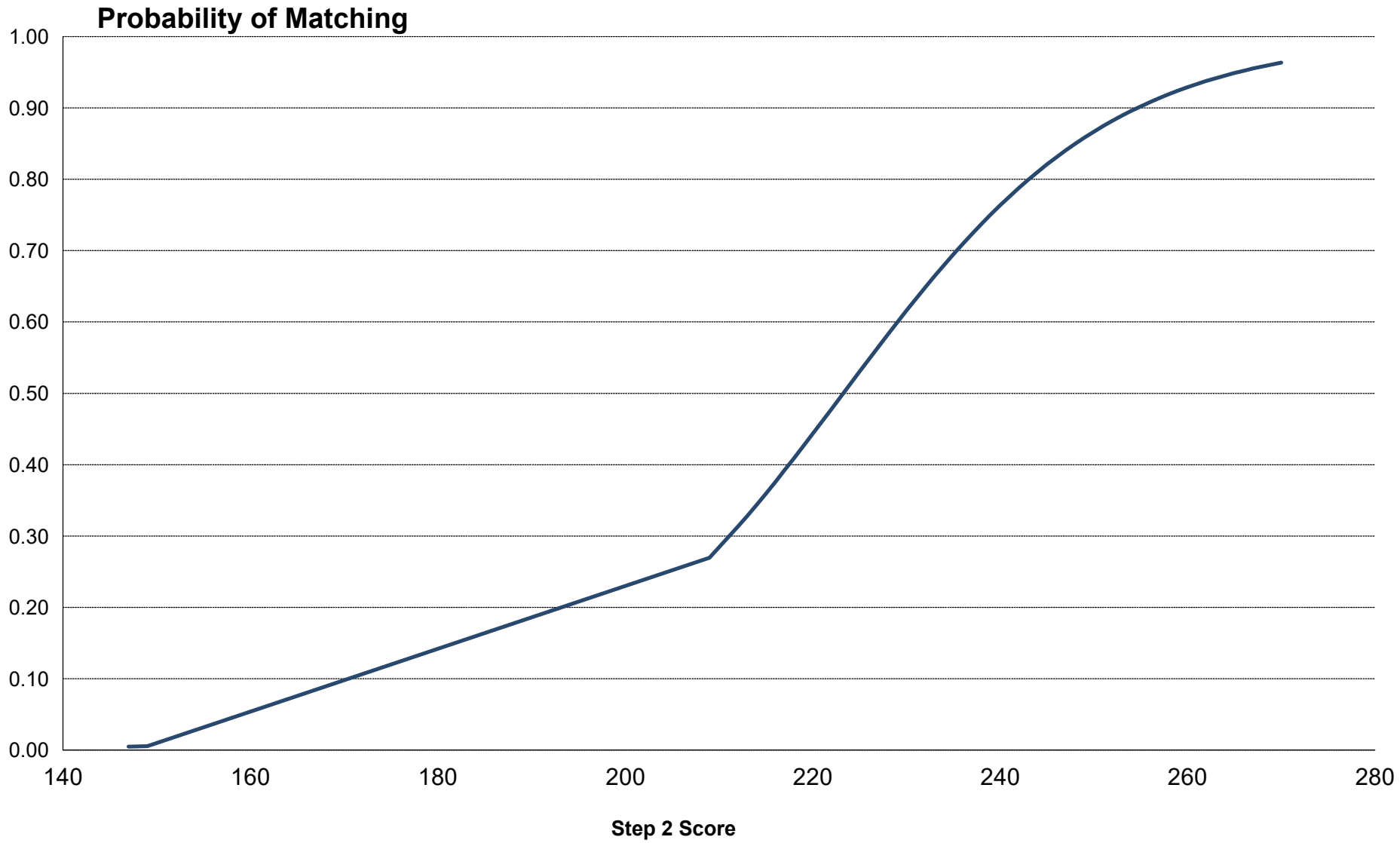


Source: NRMP Data Warehouse. Note: Probabilities calculated based on 2022-2024 applicants.

Graph GS-3

Probability of U.S. MD Seniors Matching to Preferred Specialty by USMLE Step 2 Score

General Surgery



Source: NRMP Data Warehouse. Note: Probabilities calculated based on 2022-2024 applicants.

Chart GS-5

Number of Research Projects of U.S. MD Seniors

General Surgery

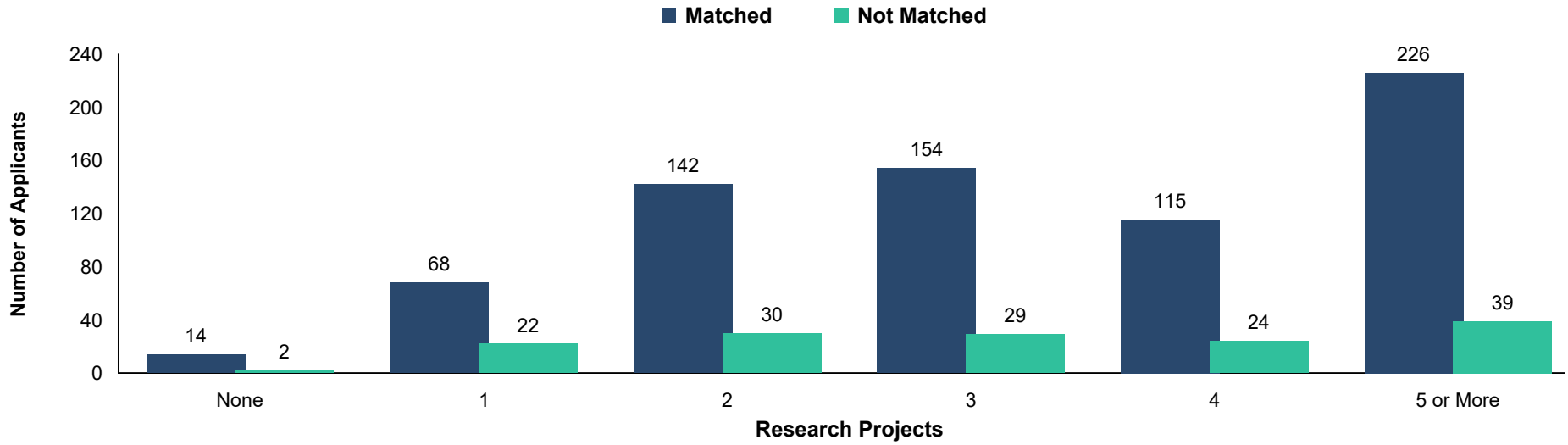
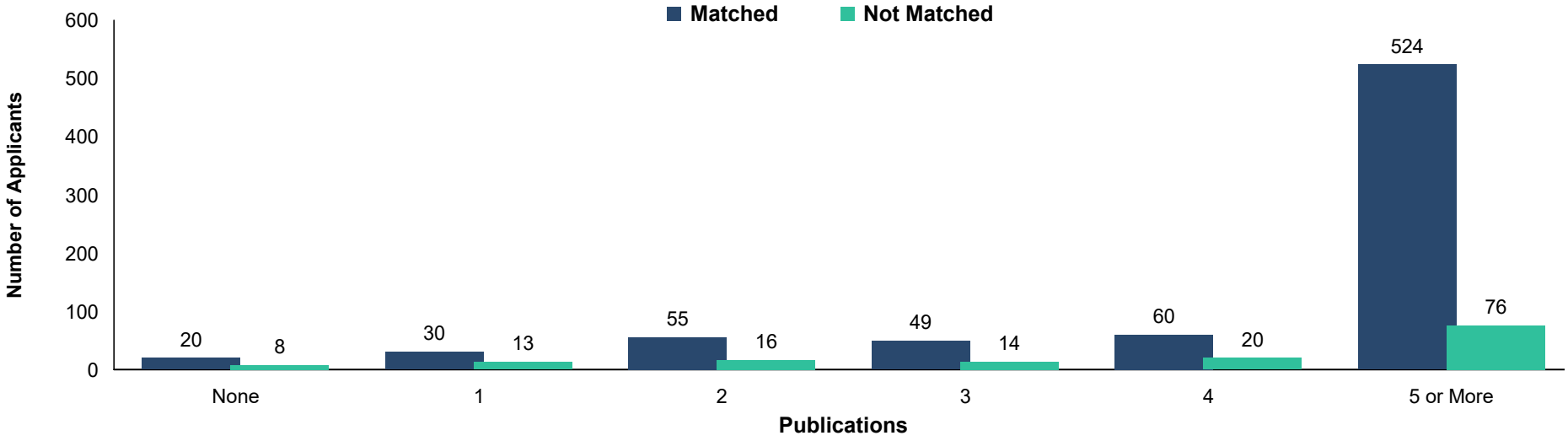


Chart GS-6

Number of Abstracts, Presentations, and Publications of U.S. MD Seniors

General Surgery



Source: NRMP Data Warehouse

Chart GS-7

Number of Work Experiences of U.S. MD Seniors

General Surgery

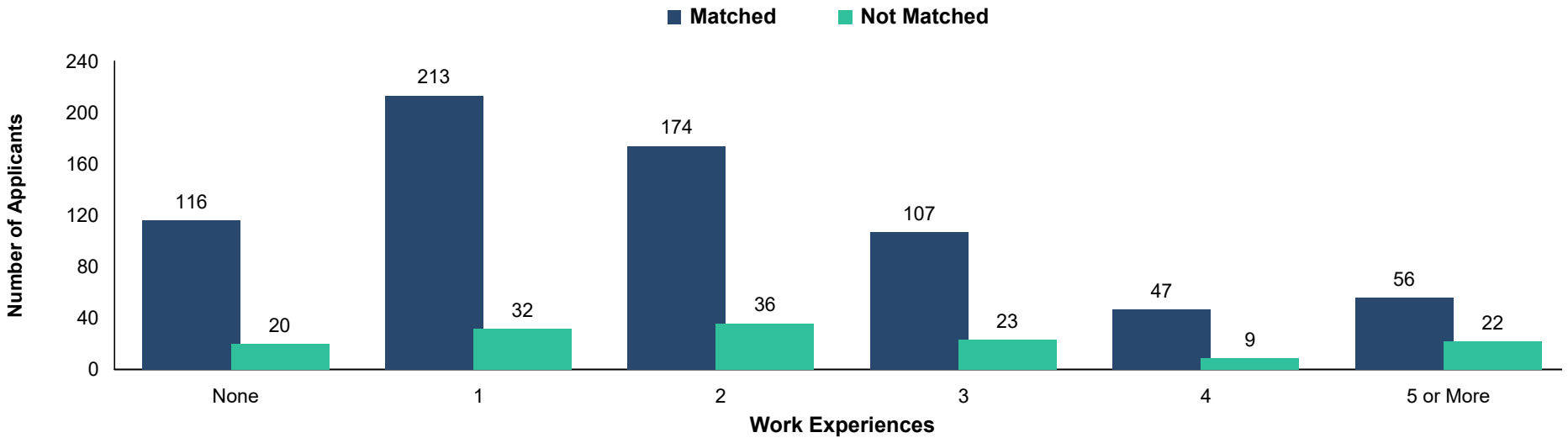
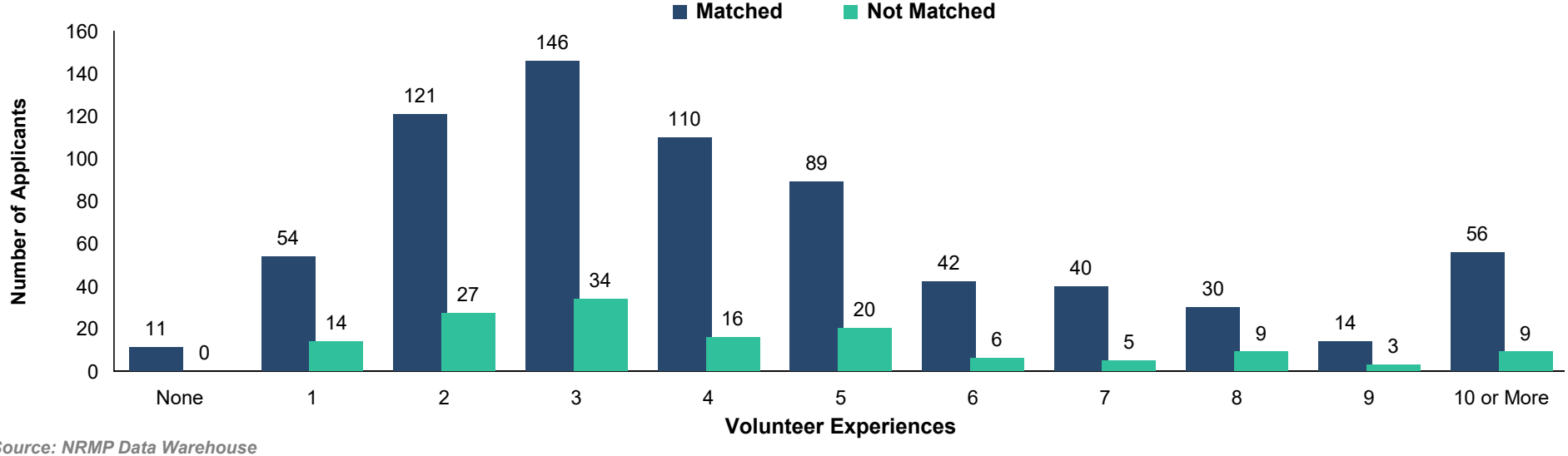


Chart GS-8

Number of Volunteer Experiences of U.S. MD Seniors

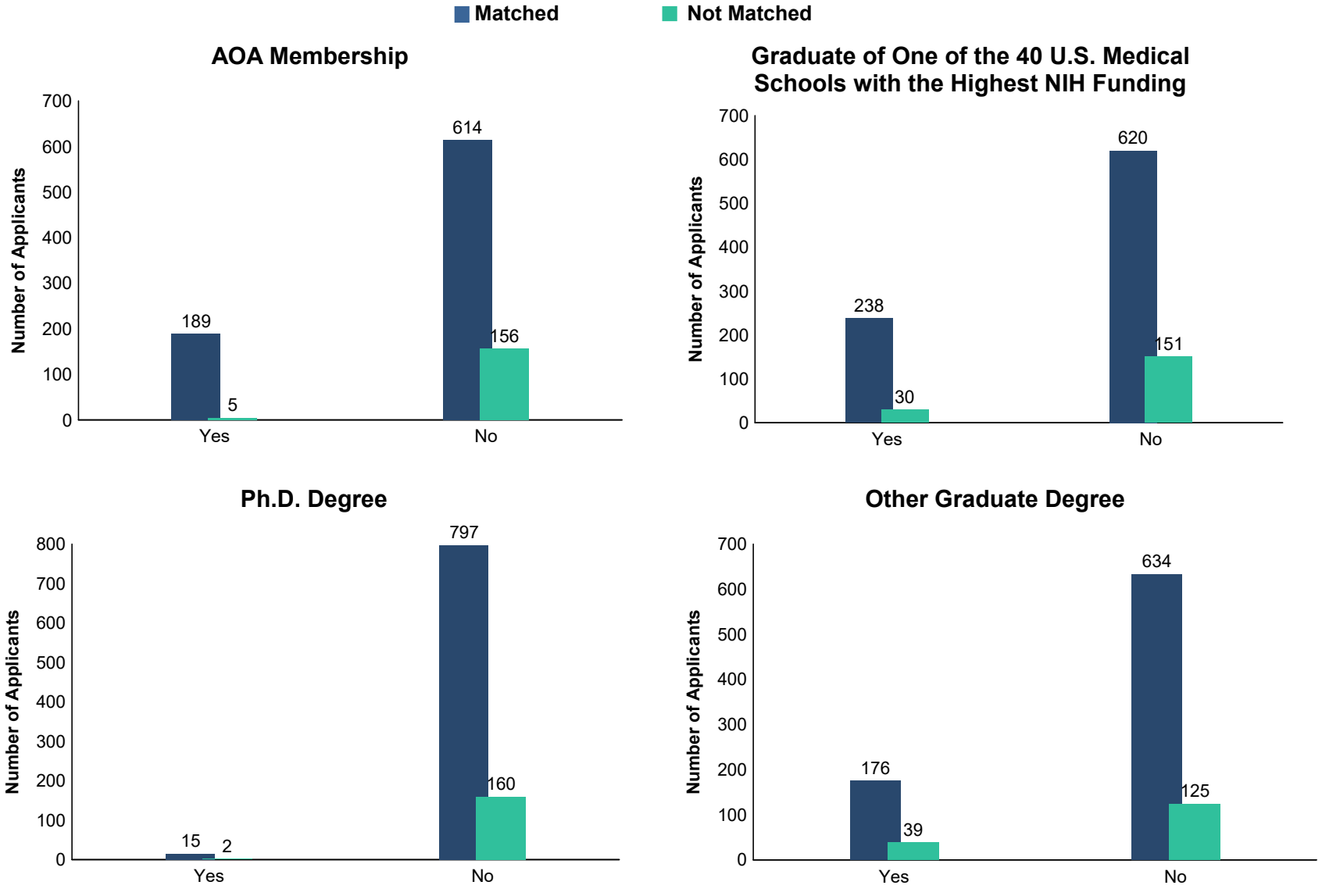
General Surgery



Source: NRMP Data Warehouse

Chart GS-9 Other Characteristics of U.S. MD Seniors

General Surgery



Source: NRMP Data Warehouse. Top 40 U.S. medical schools with the highest NIH funding from NIH: http://report.nih.gov/award/index.cfm

IM Internal Medicine

Table IM-1

Summary Statistics on U.S. MD Seniors

Internal Medicine

Measure	Matched (n=3,024)	Unmatched (n=64)
1. Mean number of contiguous ranks	13.2	3.6
2. Mean number of distinct specialties ranked	1.0	1.3
3. Mean USMLE Step 1 score*	234	220
4. Mean USMLE Step 2 score	251	234
5. Mean number of research experiences	3.3	3.3
6. Mean number of abstracts, presentations, and publications	8.7	6.2
7. Mean number of work experiences	1.8	1.9
8. Mean number of volunteer experiences	4.2	4.1
9. Percentage who are AOA members	15.9	4.7
10. Percentage who graduated from one of the 40 U.S. medical schools with the highest NIH funding	31.8	21.9
11. Percentage who have Ph.D. degree	5.0	4.8
12. Percentage who have another graduate degree	19.0	27.0

Note: Only U.S. MD seniors who gave consent to use their information in research are included.
*Only applicants who indicated completion of the USMLE Step 1 exam prior to the transition to pass/fail (i.e., prior to January 26, 2022) had the option to self-report their Step 1 numeric score. In 2024, only 2,143 U.S. MD seniors self-reported Step 1 numeric scores.
Sources. NRMP Data Warehouse; Top 40 U.S. medical schools with the highest NIH funding in measure 10 is from the NIH website (http://report.nih.gov/award/index.cfm).

Chart IM-1

Number of Distinct Specialties Ranked by U.S. MD Seniors

Internal Medicine

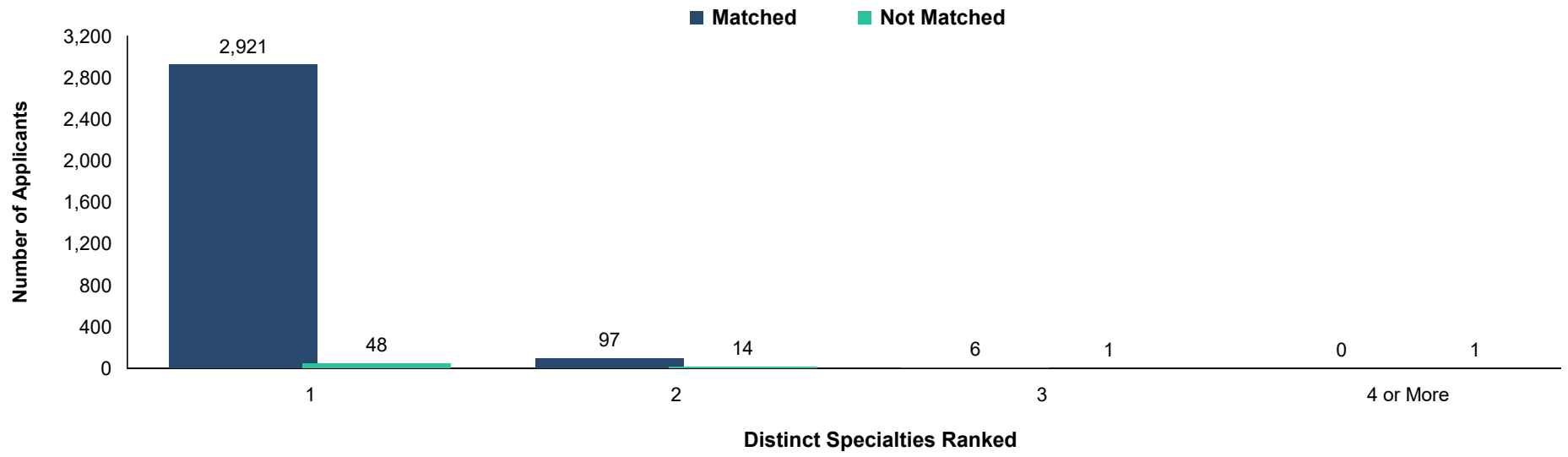
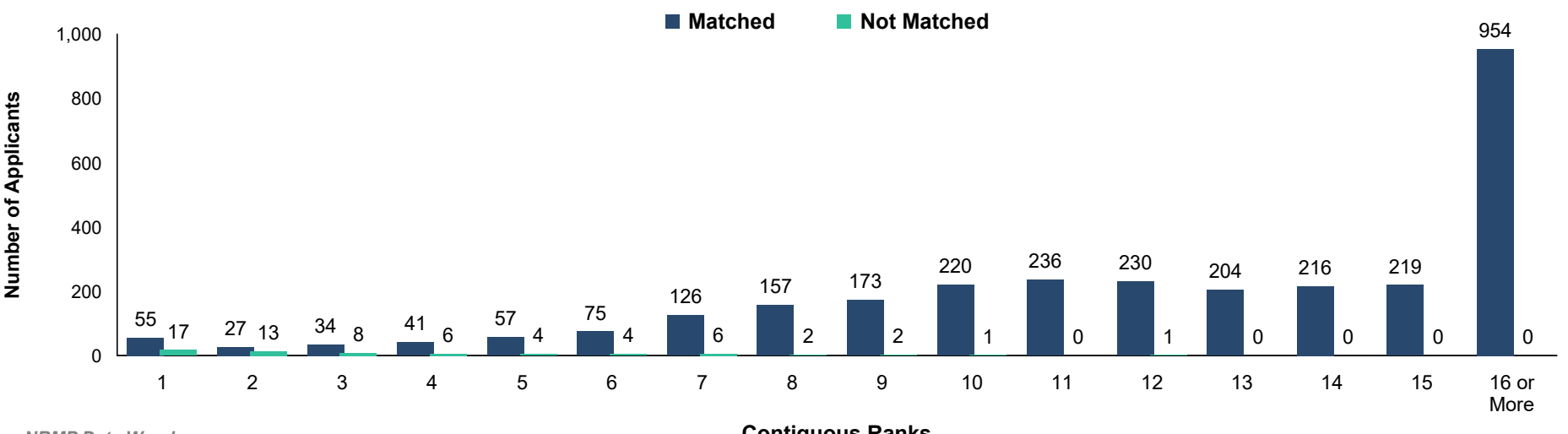


Chart IM-2

Number of Contiguous Ranks of U.S. MD Seniors

Internal Medicine

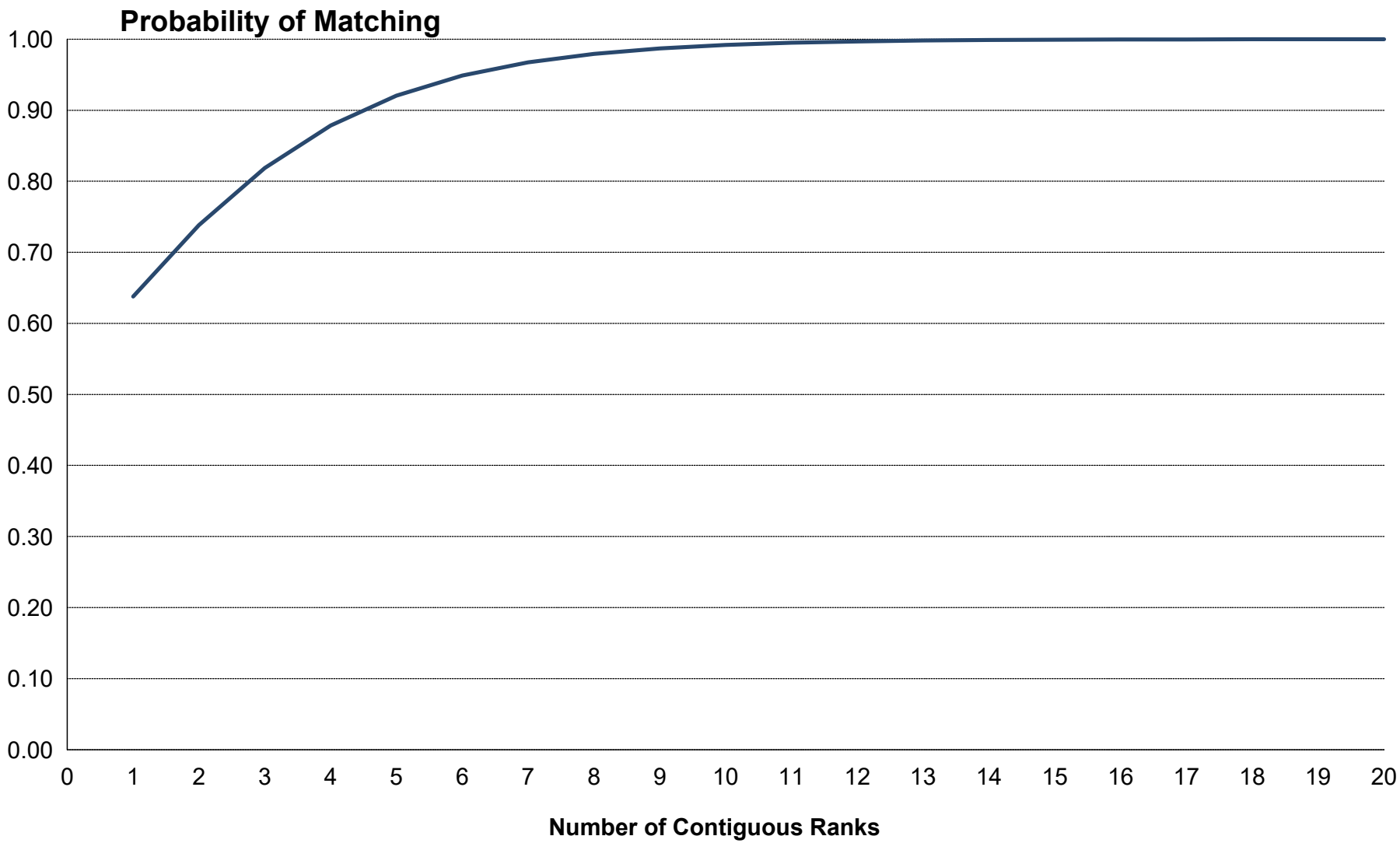


Source: NRMP Data Warehouse

Graph IM-1

Probability of U.S. MD Seniors Matching to Preferred Specialty by Number of Contiguous Ranks

Internal Medicine



Source: NRMP Data Warehouse. Note: Probabilities calculated based on 2022-2024 applicants

Chart IM-3

USMLE Step 1 Scores of U.S. MD Seniors

Internal Medicine

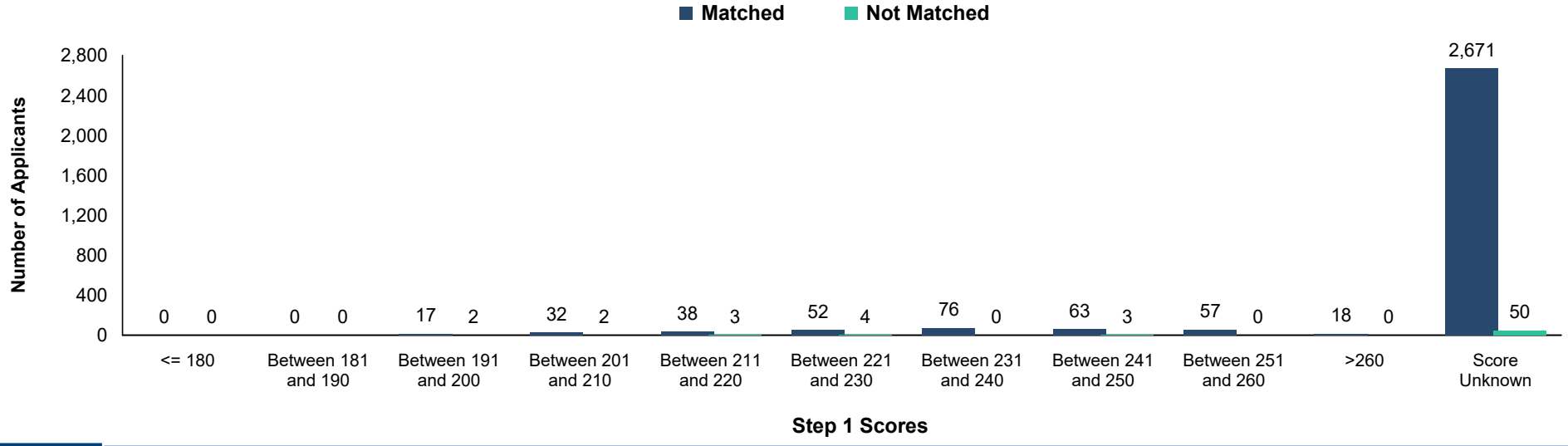
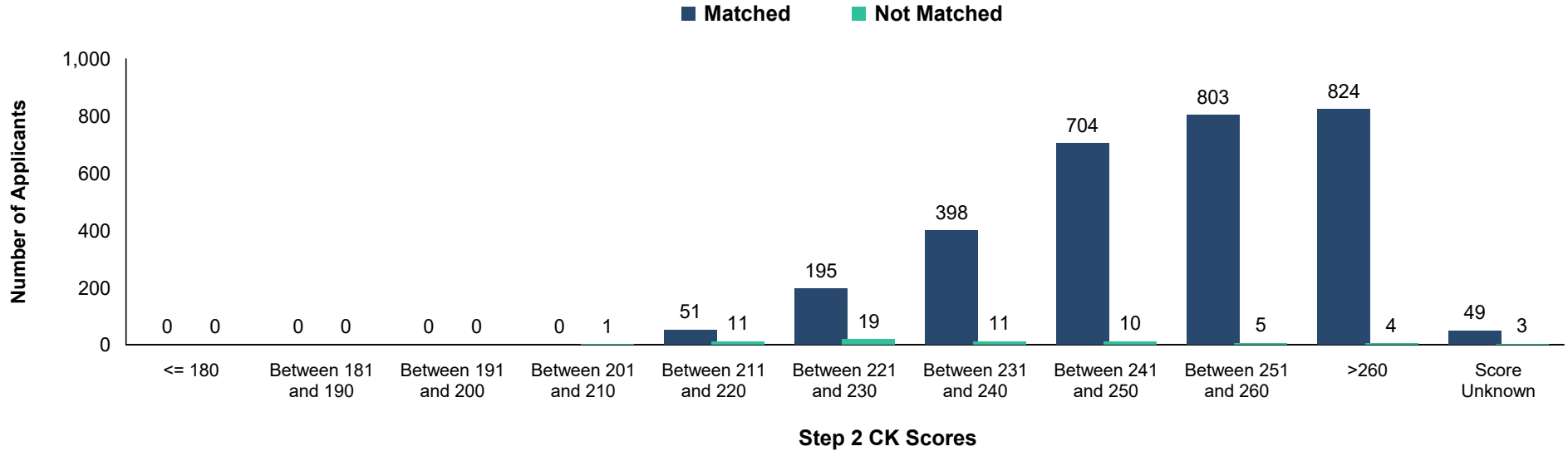


Chart IM-4

USMLE Step 2 CK Scores of U.S. MD Seniors

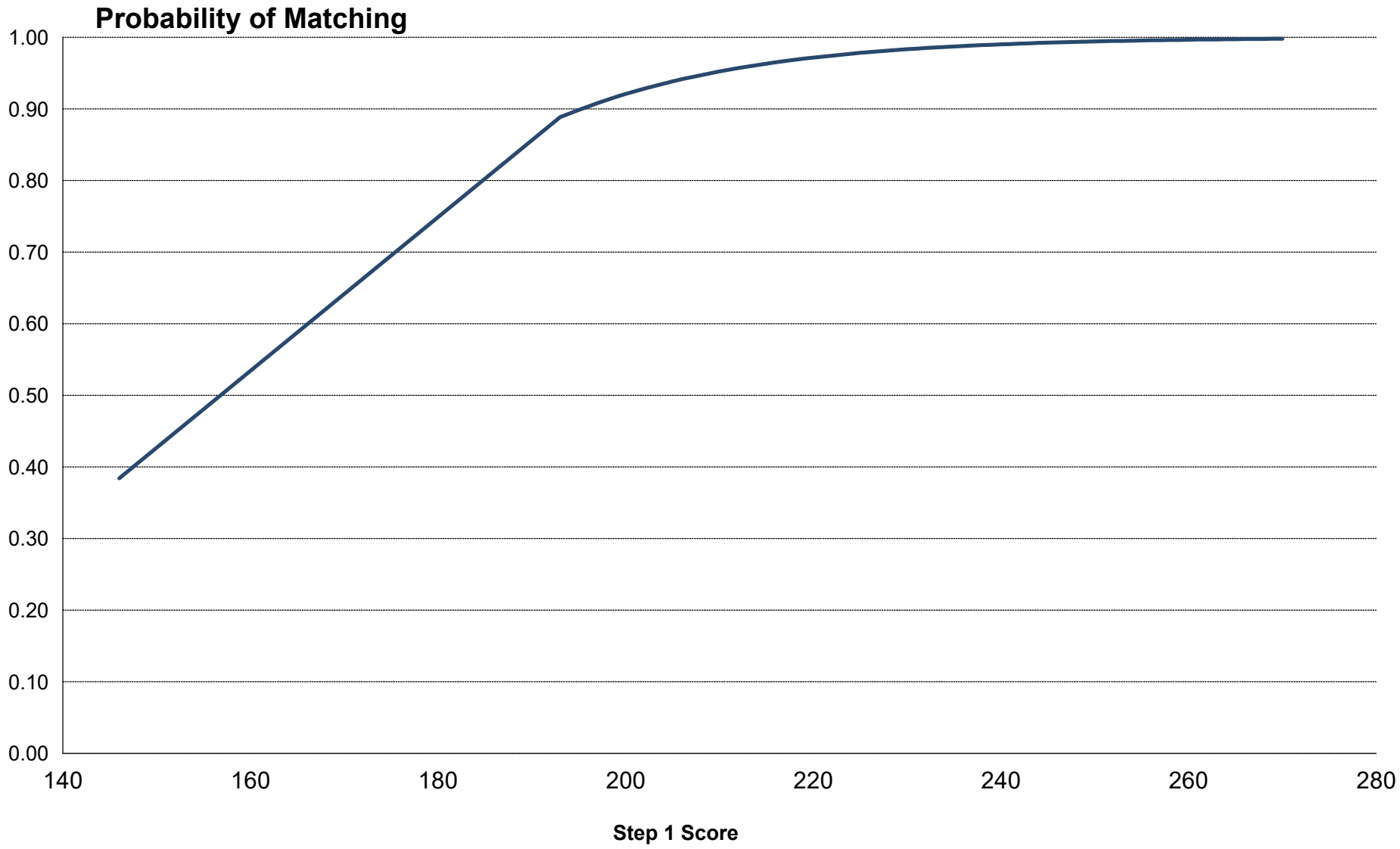
Internal Medicine



Graph IM-2

Probability of U.S. MD Seniors Matching to Preferred Specialty by USMLE Step 1 Score

Internal Medicine

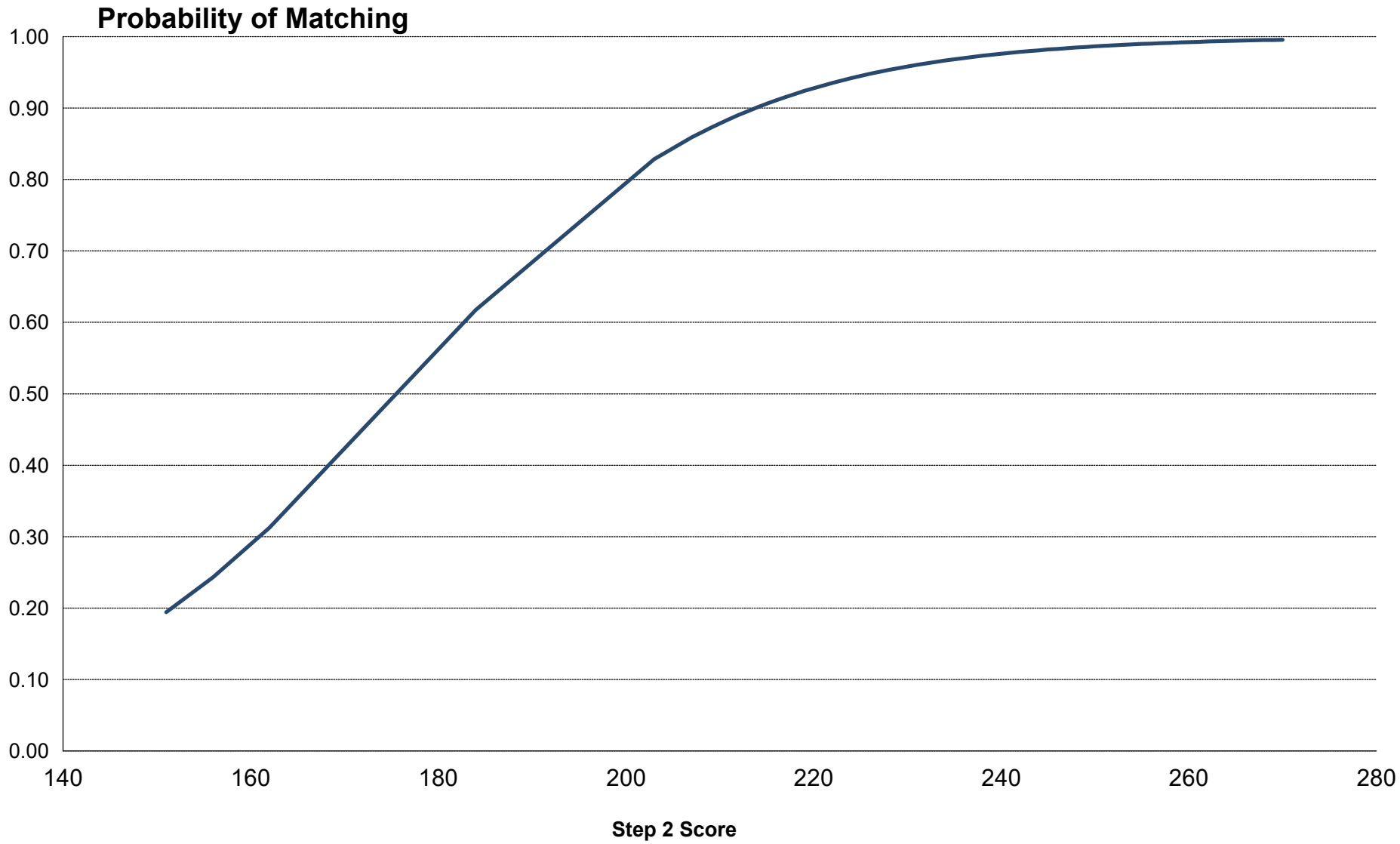


Source: NRMP Data Warehouse. Note: Probabilities calculated based on 2022-2024 applicants.

Graph IM-3

Probability of U.S. MD Seniors Matching to Preferred Specialty by USMLE Step 2 Score

Internal Medicine



Source: NRMP Data Warehouse. Note: Probabilities calculated based on 2022-2024 applicants.

Chart IM-5

Number of Research Projects of U.S. MD Seniors

Internal Medicine

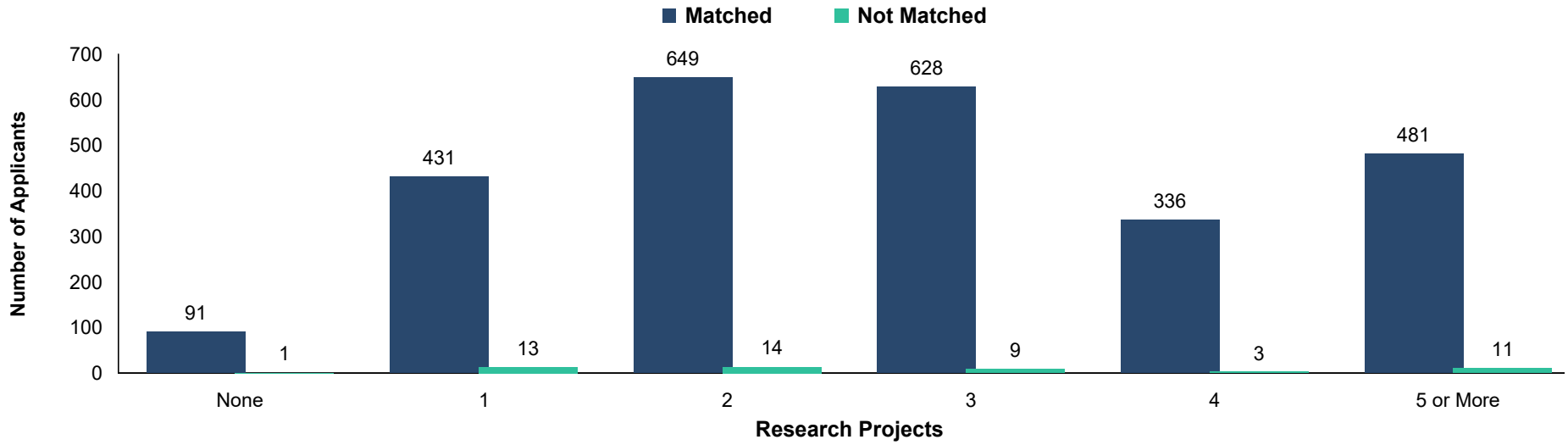
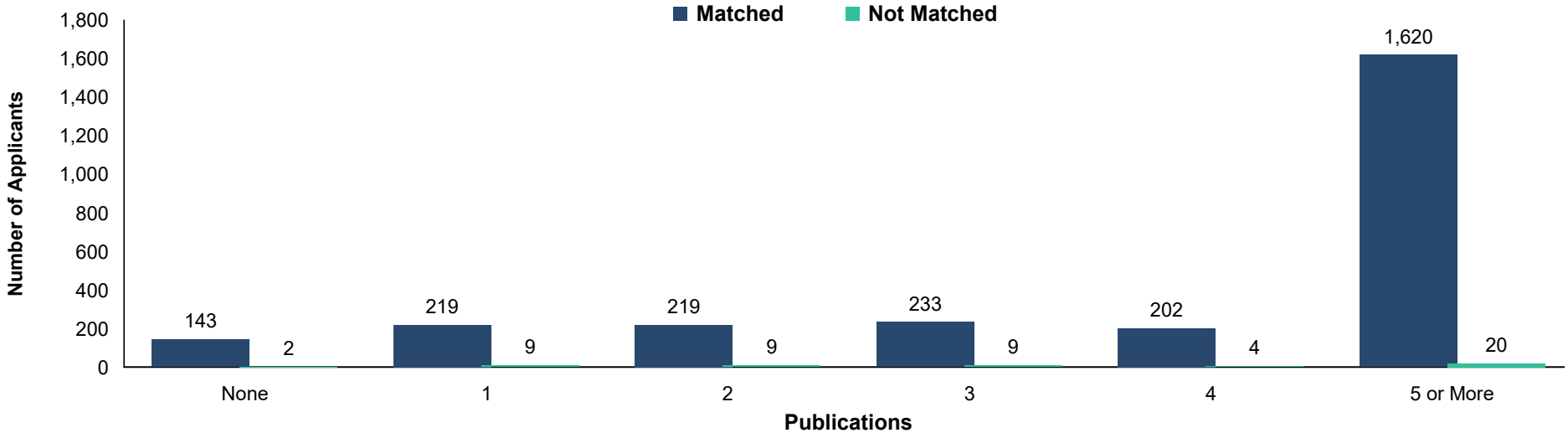


Chart IM-6

Number of Abstracts, Presentations, and Publications of U.S. MD Seniors

Internal Medicine



Source: NRMP Data Warehouse

Chart IM-7

Number of Work Experiences of U.S. MD Seniors

Internal Medicine

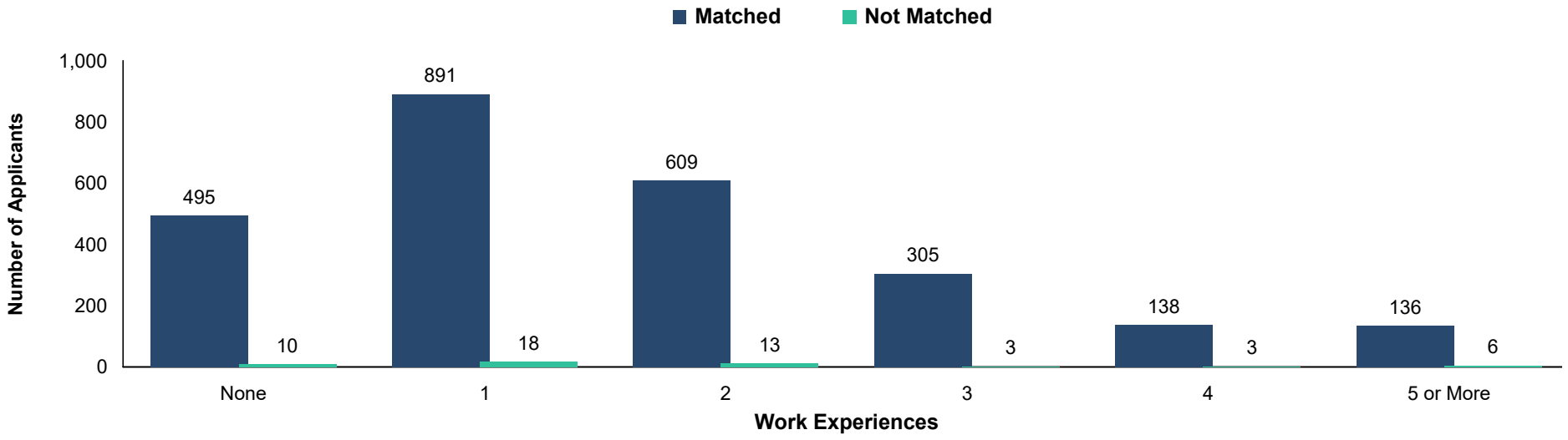
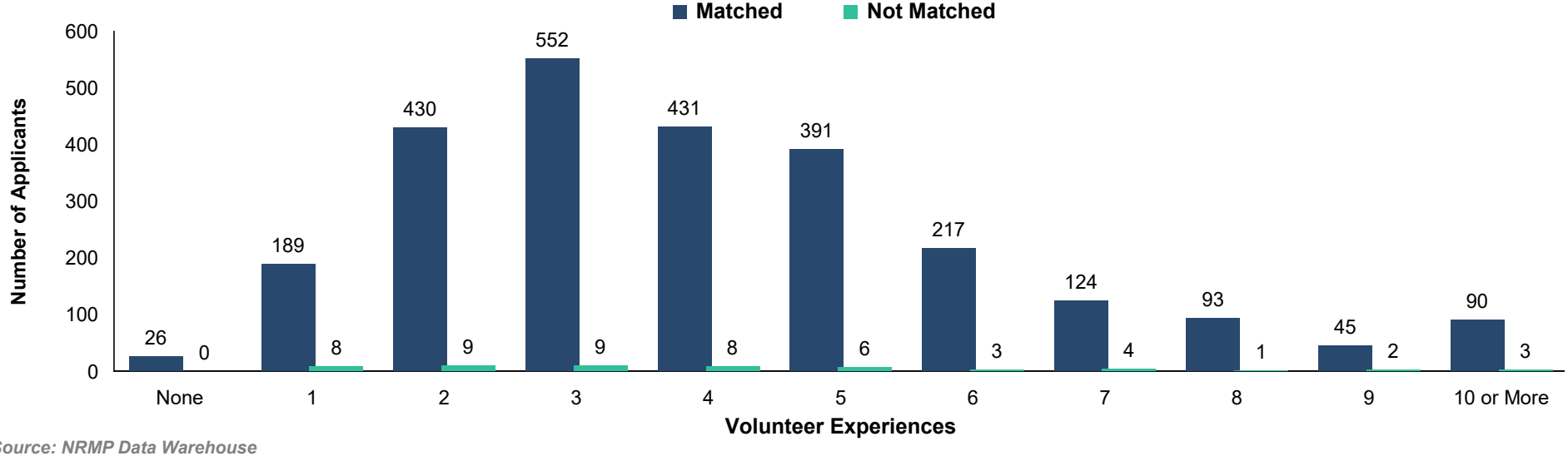


Chart IM-8

Number of Volunteer Experiences of U.S. MD Seniors

Internal Medicine

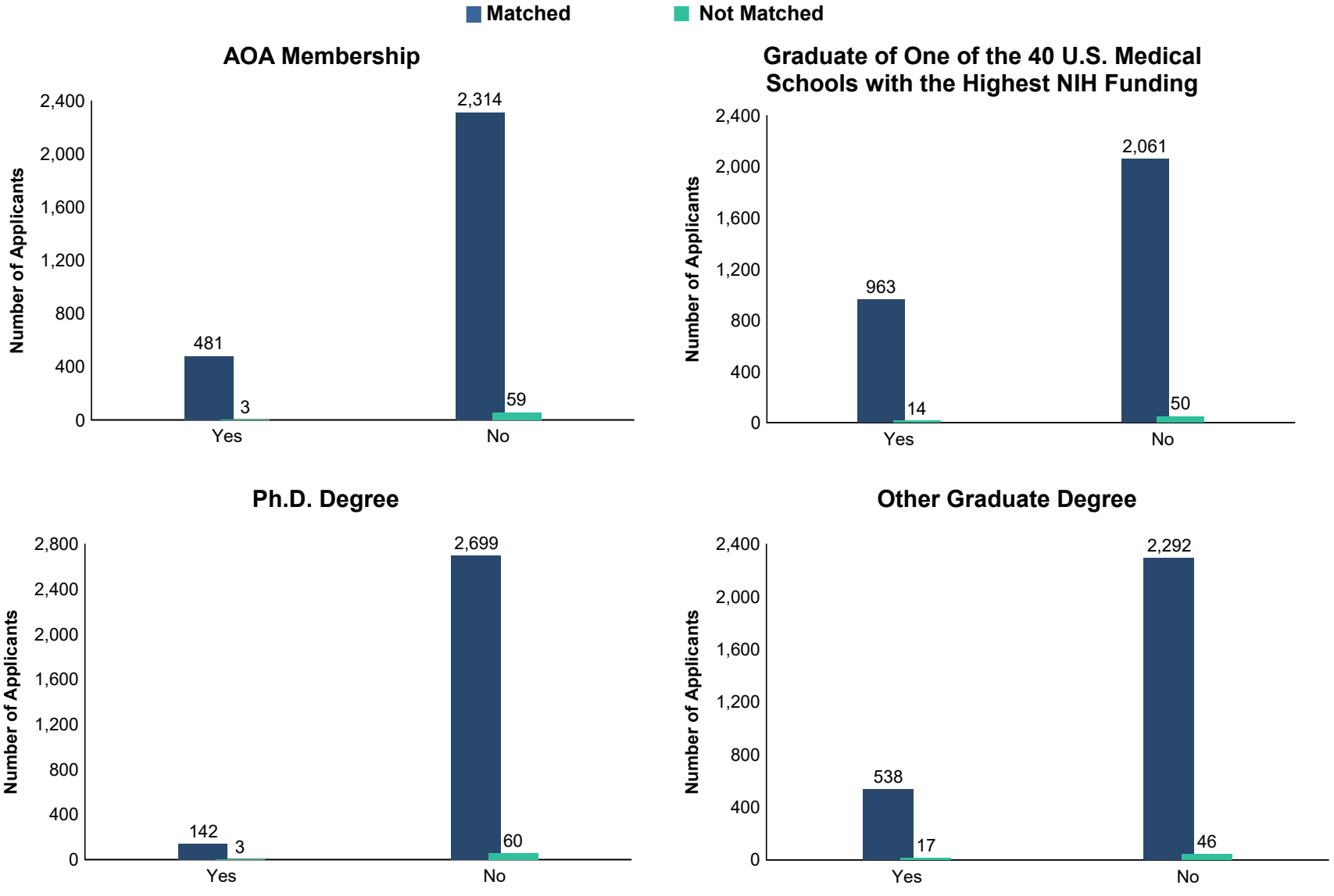


Source: NRMP Data Warehouse

Chart IM-9

Other Characteristics of U.S. MD Seniors

Internal Medicine



Source: NRMP Data Warehouse. Top 40 U.S. medical schools with the highest NIH funding from NIH: http://report.nih.gov/award/index.cfm

IP Internal Medicine/Pediatrics

Table IP-1

Summary Statistics on U.S. MD Seniors

Internal Medicine/Pediatrics

Measure	Matched (n=294)	Unmatched (n=46)
1. Mean number of contiguous ranks	11.3	3.0
2. Mean number of distinct specialties ranked	1.3	2.0
3. Mean USMLE Step 1 score*	233	216
4. Mean USMLE Step 2 score	253	243
5. Mean number of research experiences	3.1	2.6
6. Mean number of abstracts, presentations, and publications	6.9	6.2
7. Mean number of work experiences	1.7	2.0
8. Mean number of volunteer experiences	5.1	4.8
9. Percentage who are AOA members	22.4	6.5
10. Percentage who graduated from one of the 40 U.S. medical schools with the highest NIH funding	36.1	17.4
11. Percentage who have Ph.D. degree	1.8	4.5
12. Percentage who have another graduate degree	24.8	34.1

Note: Only U.S. MD seniors who gave consent to use their information in research are included.
*Only applicants who indicated completion of the USMLE Step 1 exam prior to the transition to pass/fail (i.e., prior to January 26, 2022) had the option to self-report their Step 1 numeric score. In 2024, only 2,143 U.S. MD seniors self-reported Step 1 numeric scores.
Sources. NRMP Data Warehouse; Top 40 U.S. medical schools with the highest NIH funding in measure 10 is from the NIH website (http://report.nih.gov/award/index.cfm).

Chart IP-1

Number of Distinct Specialties Ranked by U.S. MD Seniors

Internal Medicine/Pediatrics

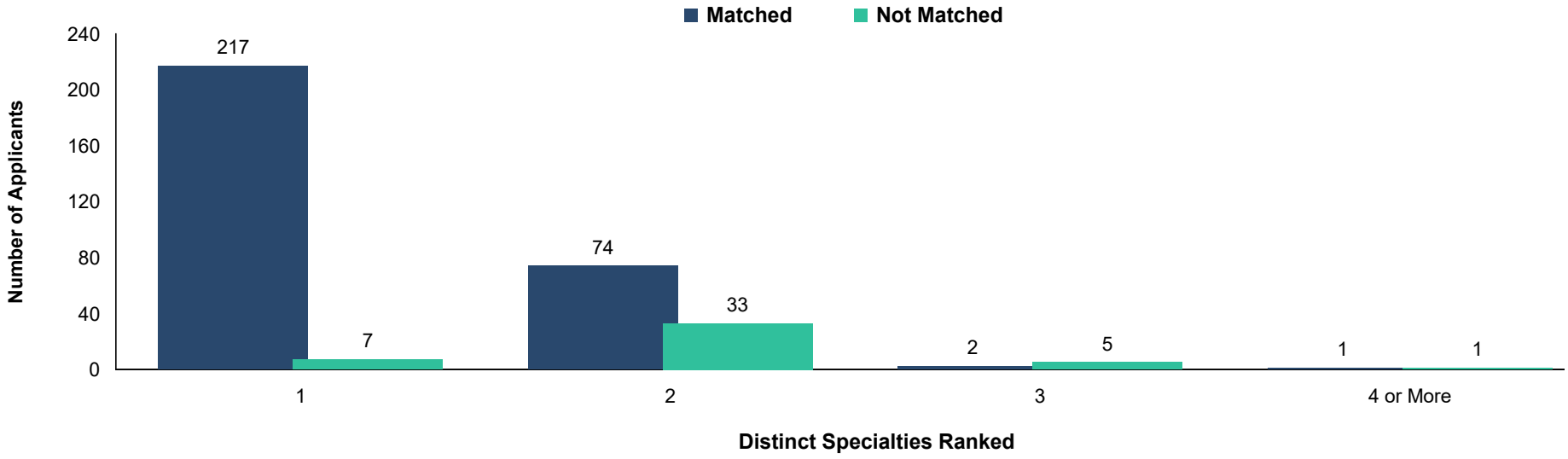
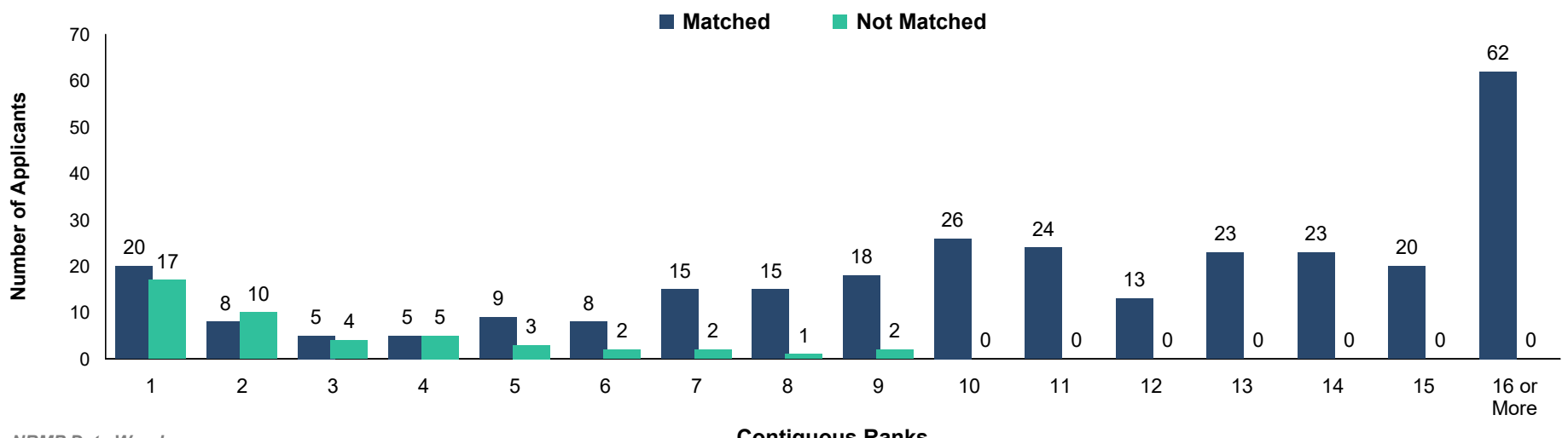


Chart IP-2

Number of Contiguous Ranks of U.S. MD Seniors

Internal Medicine/Pediatrics

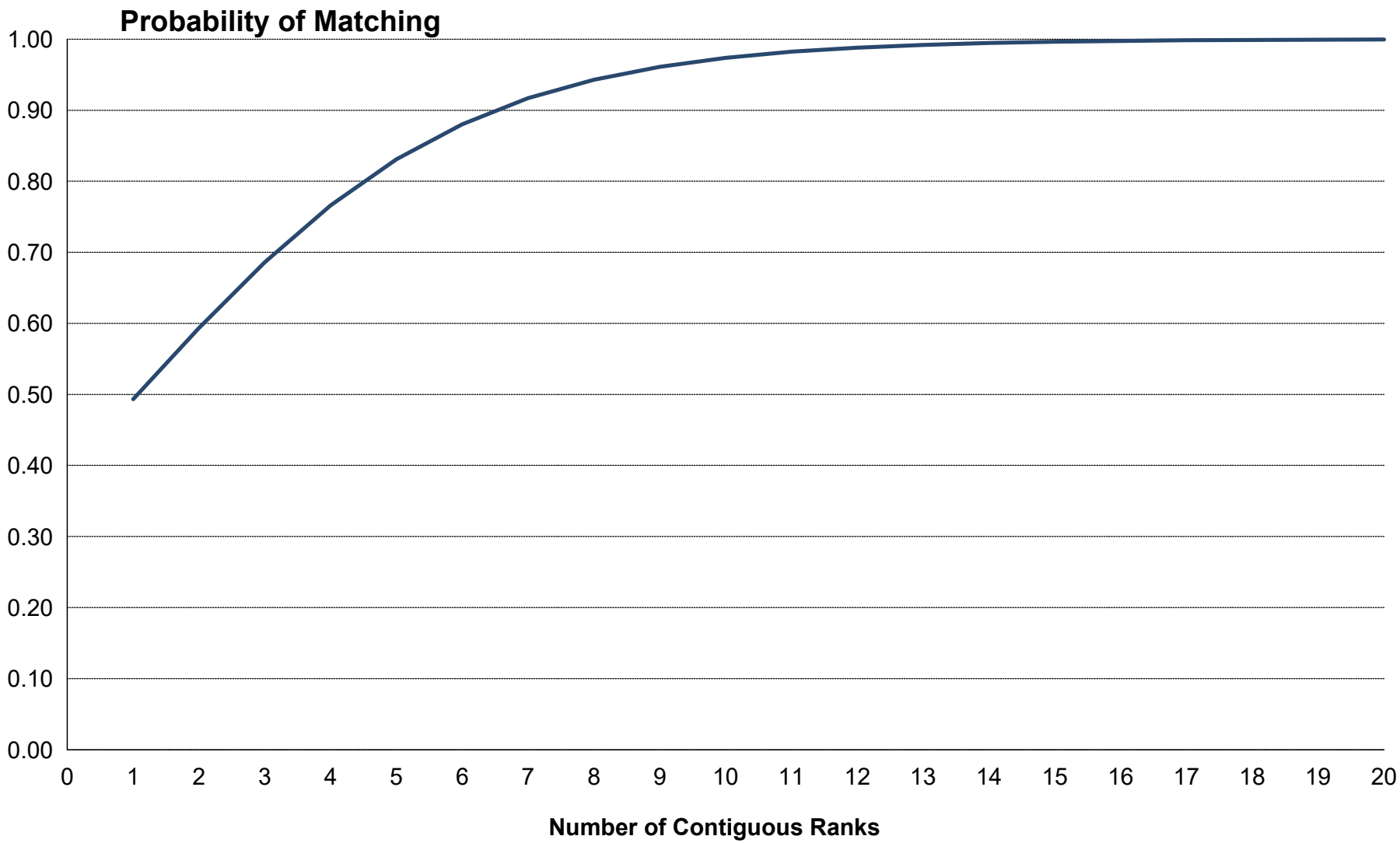


Source: NRMP Data Warehouse

Graph IP-1

Probability of U.S. MD Seniors Matching to Preferred Specialty by Number of Contiguous Ranks

Internal Medicine/Pediatrics



Source: NRMP Data Warehouse. Note: Probabilities calculated based on 2022-2024 applicants

Chart IP-3

USMLE Step 1 Scores of U.S. MD Seniors

Internal Medicine/Pediatrics

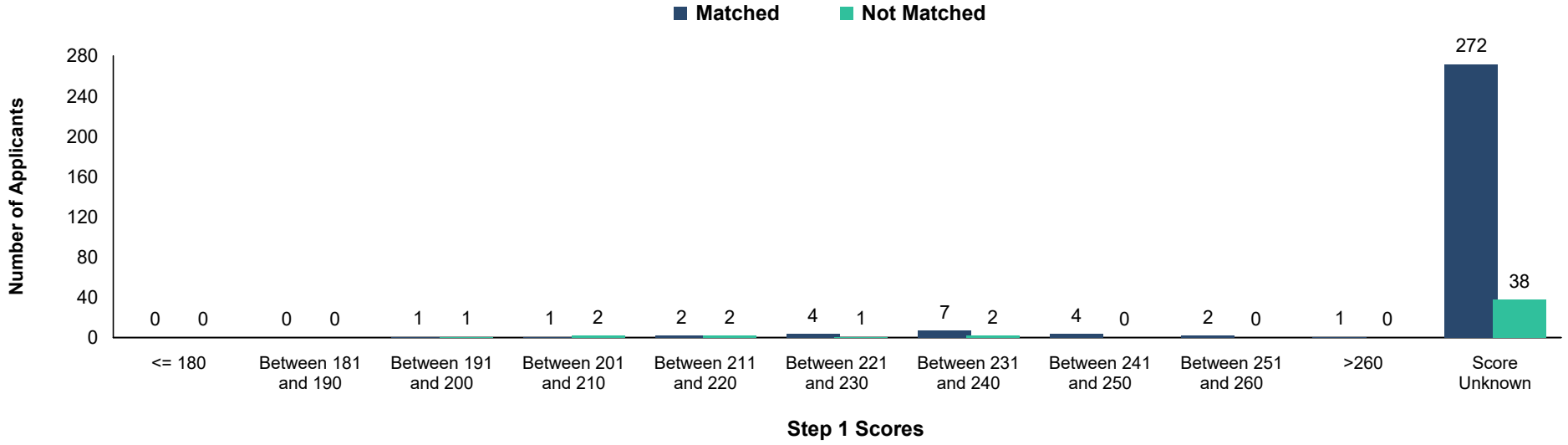
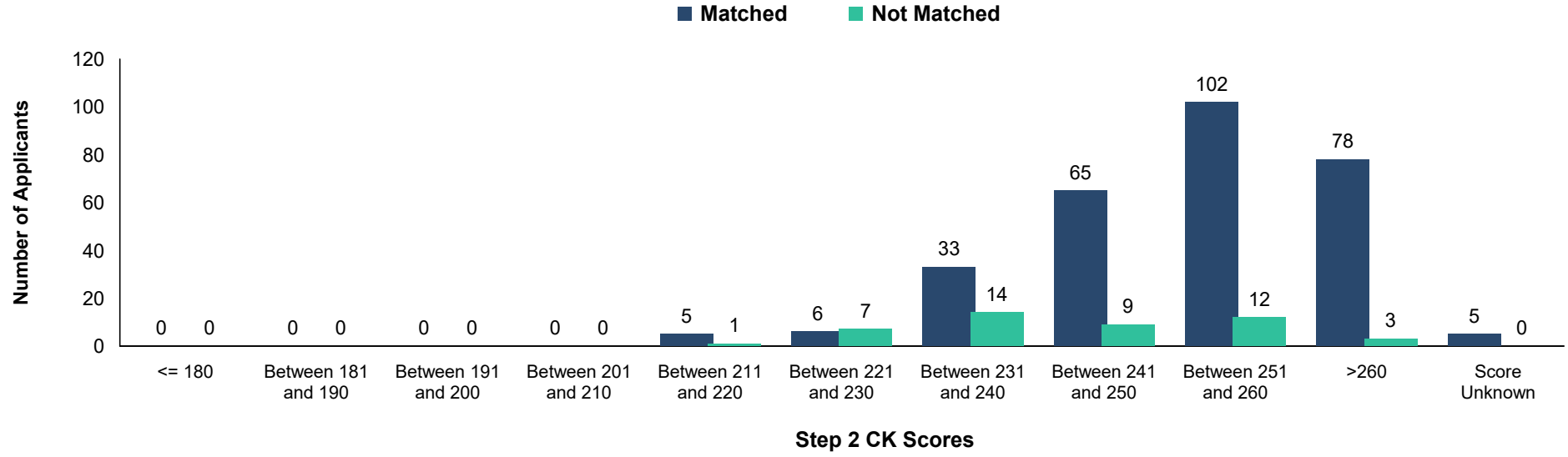


Chart IP-4

USMLE Step 2 CK Scores of U.S. MD Seniors

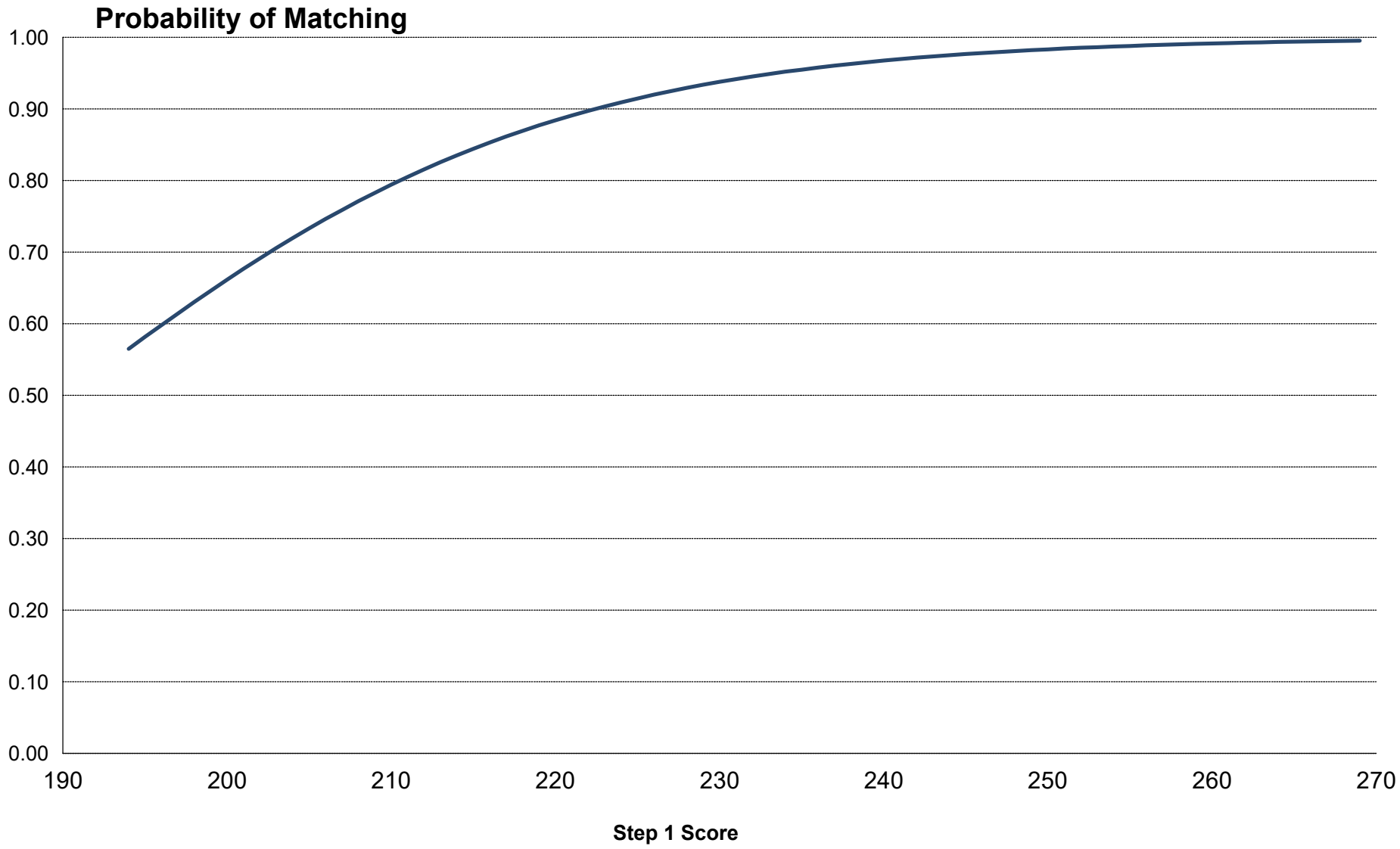
Internal Medicine/Pediatrics



Graph IP-2

Probability of U.S. MD Seniors Matching to Preferred Specialty by USMLE Step 1 Score

Internal Medicine/Pediatrics

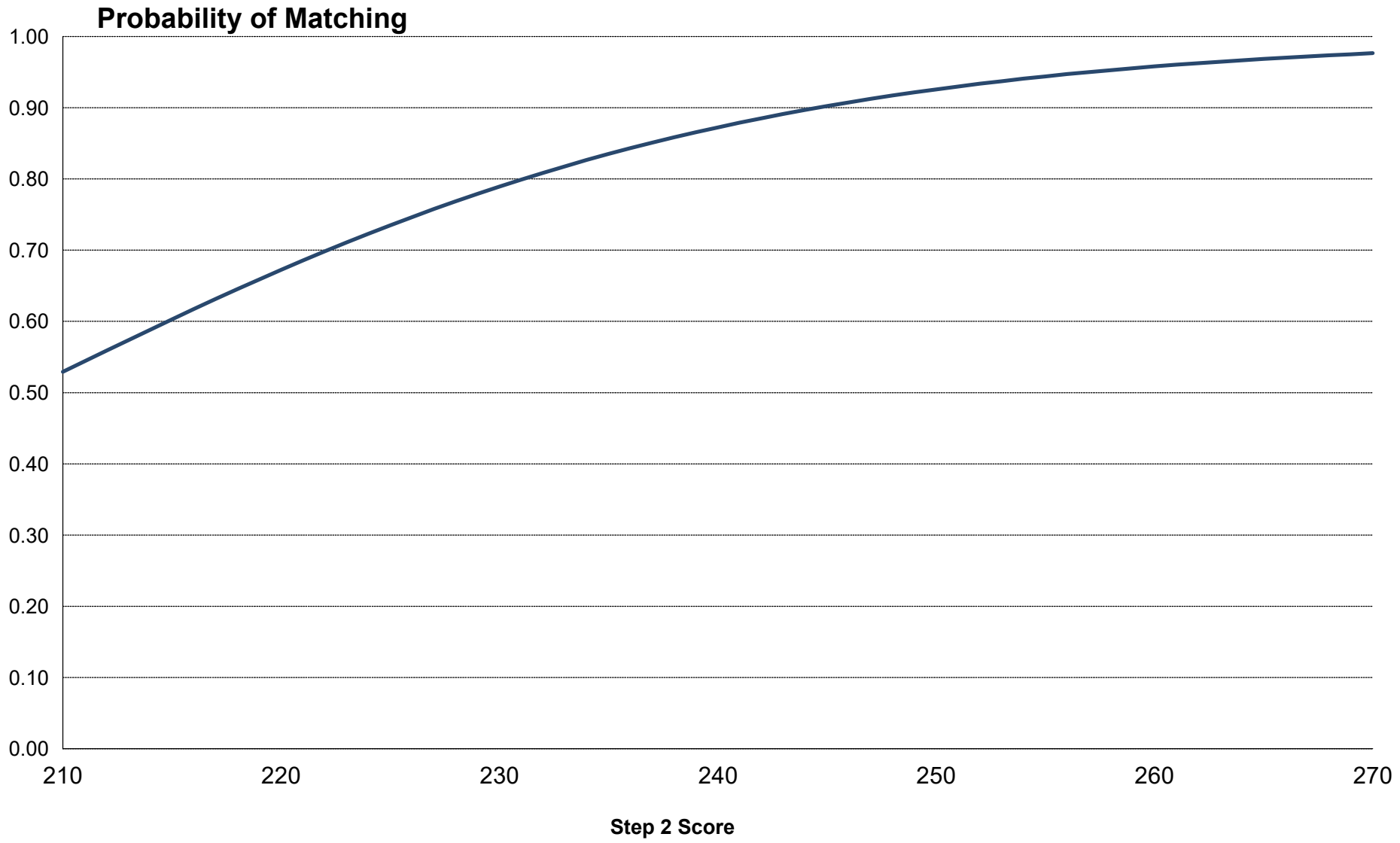


Source: NRMP Data Warehouse. Note: Probabilities calculated based on 2022-2024 applicants.

Graph IP-3

Probability of U.S. MD Seniors Matching to Preferred Specialty by USMLE Step 2 Score

Internal Medicine/Pediatrics



Source: NRMP Data Warehouse. Note: Probabilities calculated based on 2022-2024 applicants.

Chart IP-5

Number of Research Projects of U.S. MD Seniors

Internal Medicine/Pediatrics

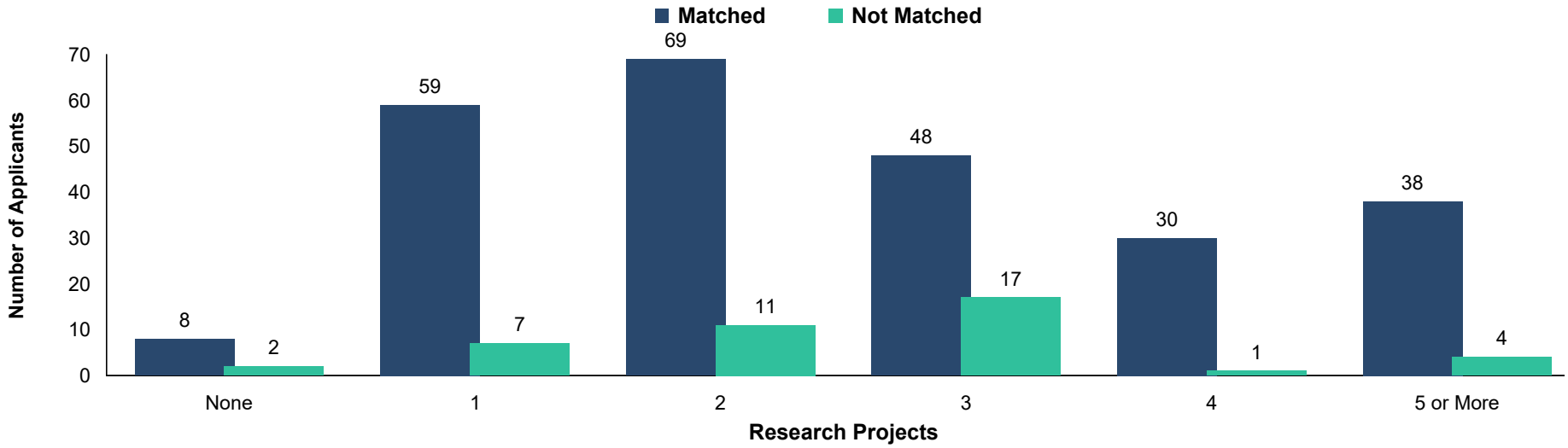
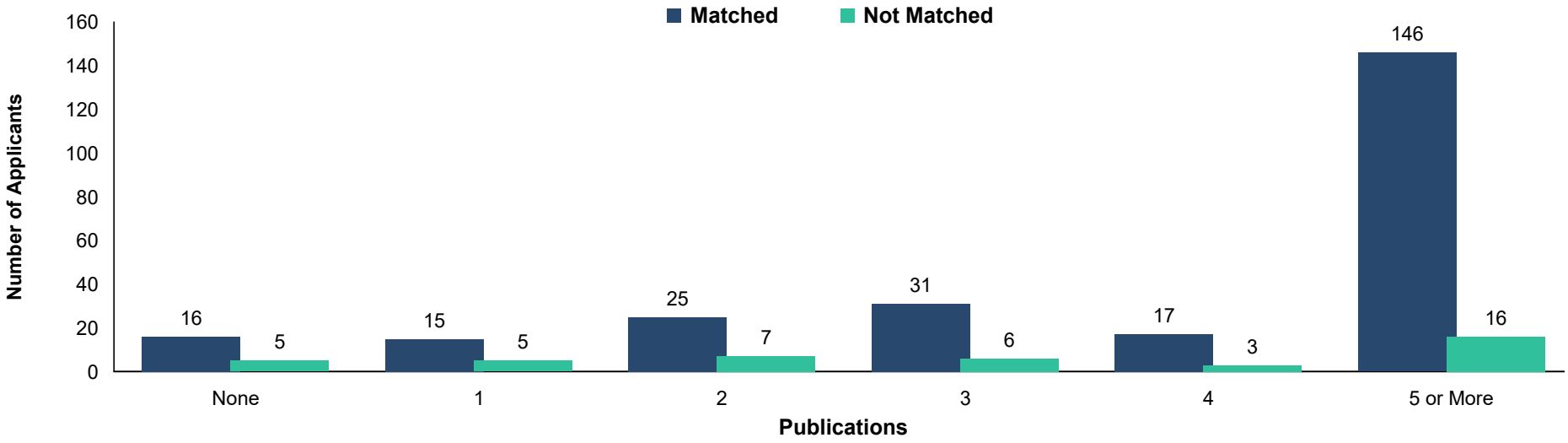


Chart IP-6

Number of Abstracts, Presentations, and Publications of U.S. MD Seniors

Internal Medicine/Pediatrics



Source: NRMP Data Warehouse

Chart IP-7

Number of Work Experiences of U.S. MD Seniors

Internal Medicine/Pediatrics

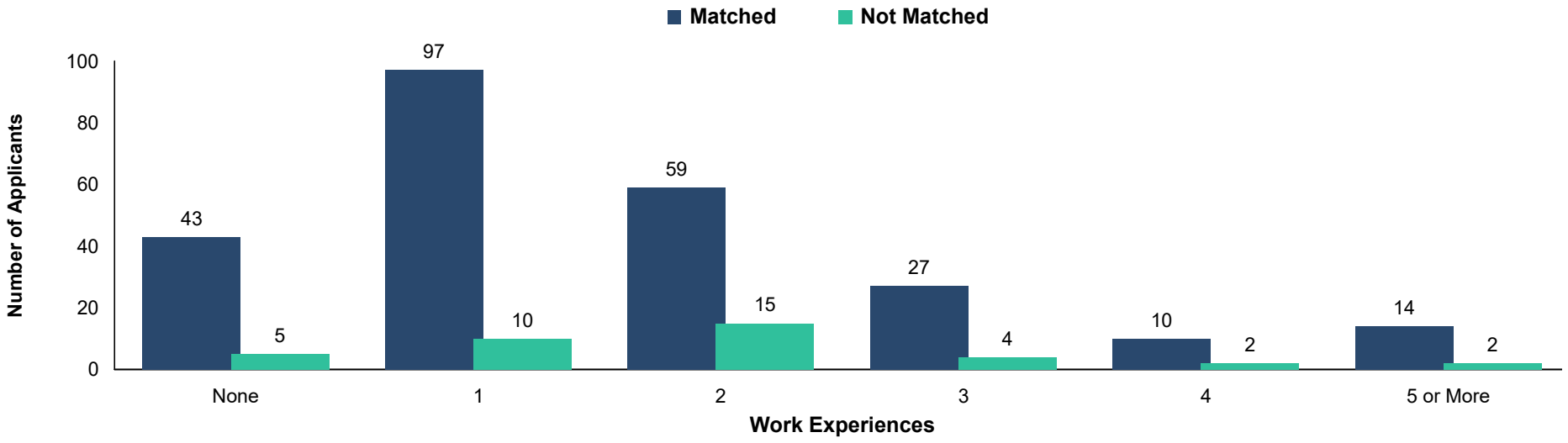
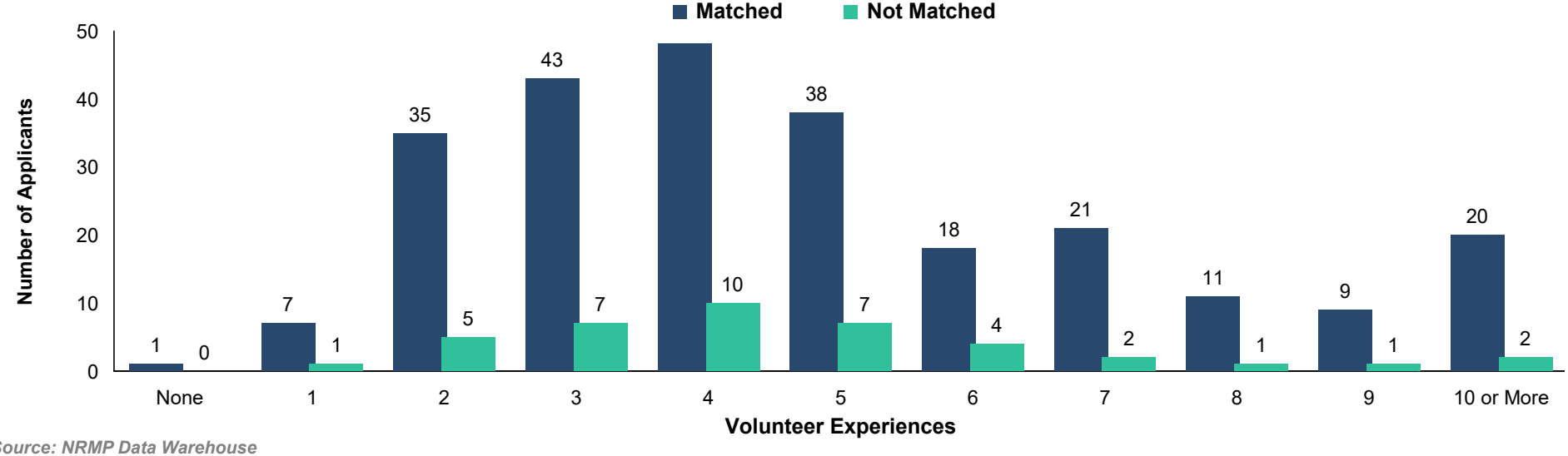


Chart IP-8

Number of Volunteer Experiences of U.S. MD Seniors

Internal Medicine/Pediatrics

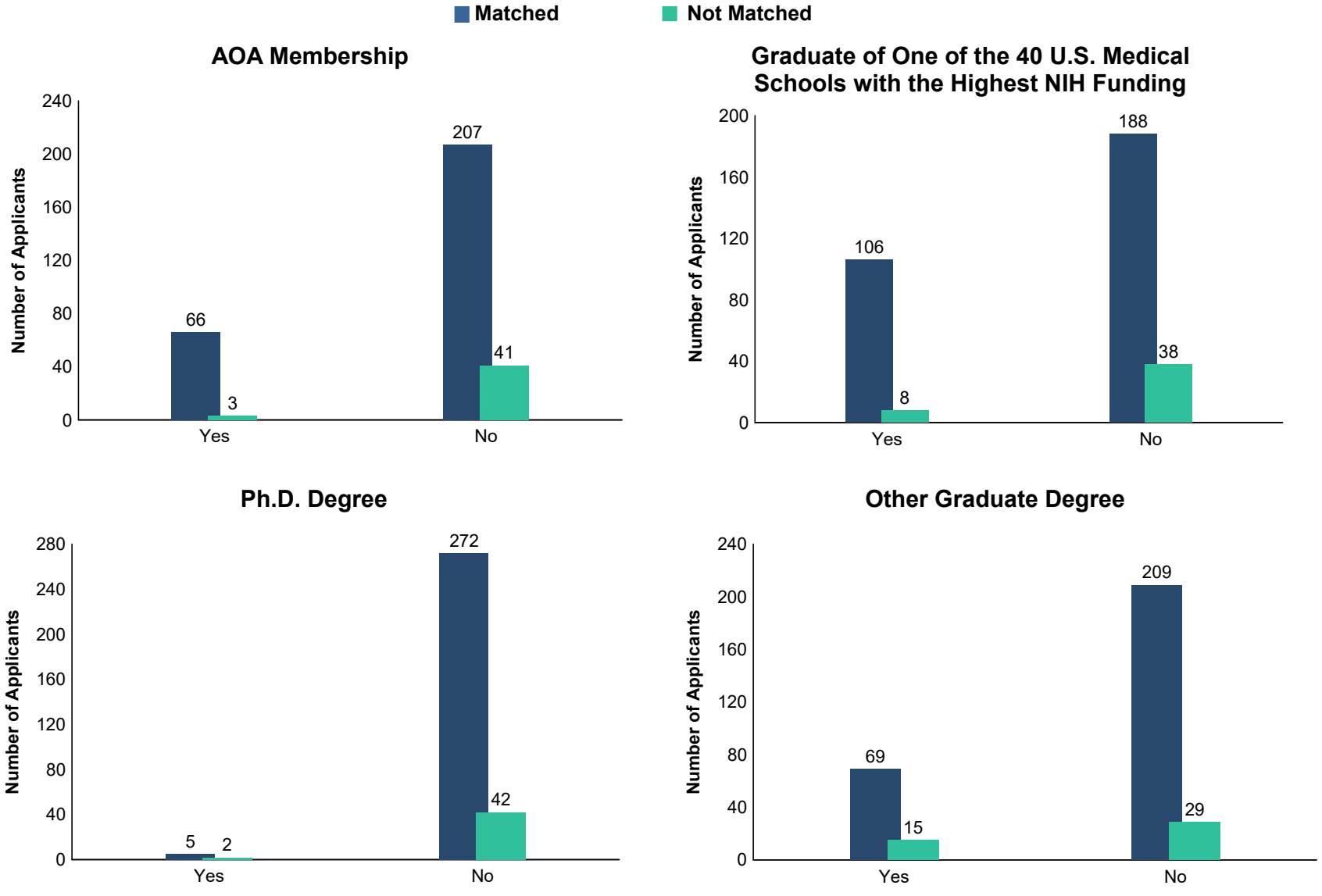


Source: NRMP Data Warehouse

Chart IP-9

Other Characteristics of U.S. MD Seniors

Internal Medicine/Pediatrics



Source: NRMP Data Warehouse. Top 40 U.S. medical schools with the highest NIH funding from NIH: http://report.nih.gov/award/index.cfm

IR Interventional Radiology

Table IR-1 Summary Statistics on U.S. MD Seniors
Interventional Radiology

Measure	Matched (n=117)	Unmatched (n=24)
1. Mean number of contiguous ranks	6.5	2.9
2. Mean number of distinct specialties ranked	2.3	2.5
3. Mean USMLE Step 1 score*	247	237
4. Mean USMLE Step 2 score	253	245
5. Mean number of research experiences	4.7	4.6
6. Mean number of abstracts, presentations, and publications	15.8	10.1
7. Mean number of work experiences	2.2	3.1
8. Mean number of volunteer experiences	3.9	15.6
9. Percentage who are AOA members	17.9	12.5
10. Percentage who graduated from one of the 40 U.S. medical schools with the highest NIH funding	31.6	16.7
11. Percentage who have Ph.D. degree	2.8	0.0
12. Percentage who have another graduate degree	23.1	30.4

Note: Only U.S. MD seniors who gave consent to use their information in research are included.
*Only applicants who indicated completion of the USMLE Step 1 exam prior to the transition to pass/fail (i.e., prior to January 26, 2022) had the option to self-report their Step 1 numeric score. In 2024, only 2,143 U.S. MD seniors self-reported Step 1 numeric scores.
Sources. NRMP Data Warehouse; Top 40 U.S. medical schools with the highest NIH funding in measure 10 is from the NIH website (http://report.nih.gov/award/index.cfm).

Chart IR-1

Number of Distinct Specialties Ranked by U.S. MD Seniors

Interventional Radiology

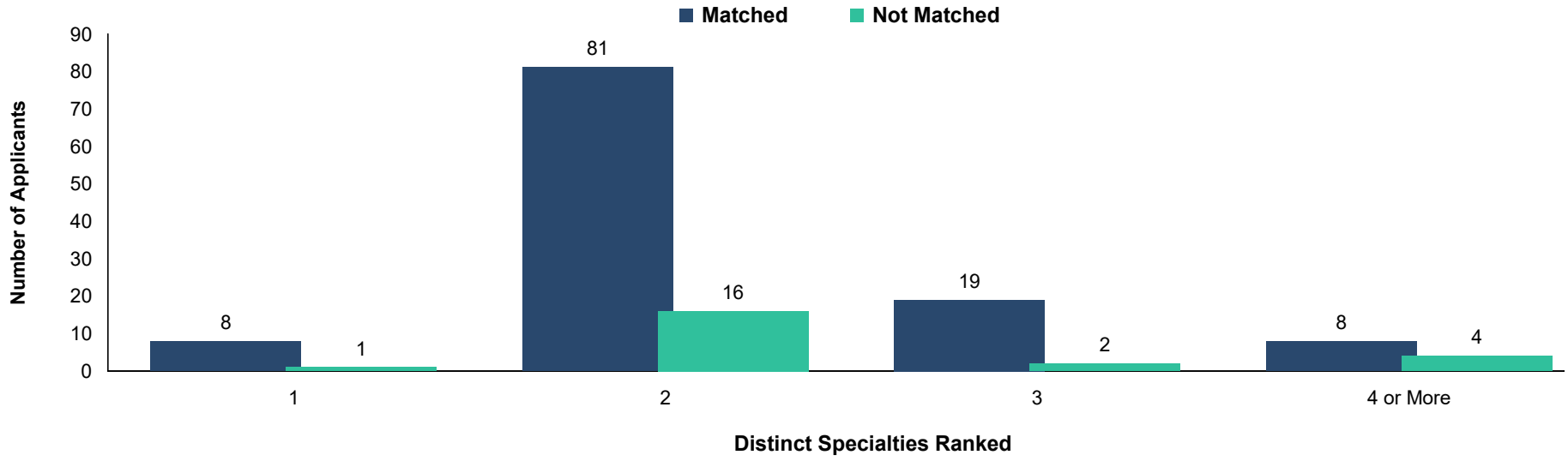
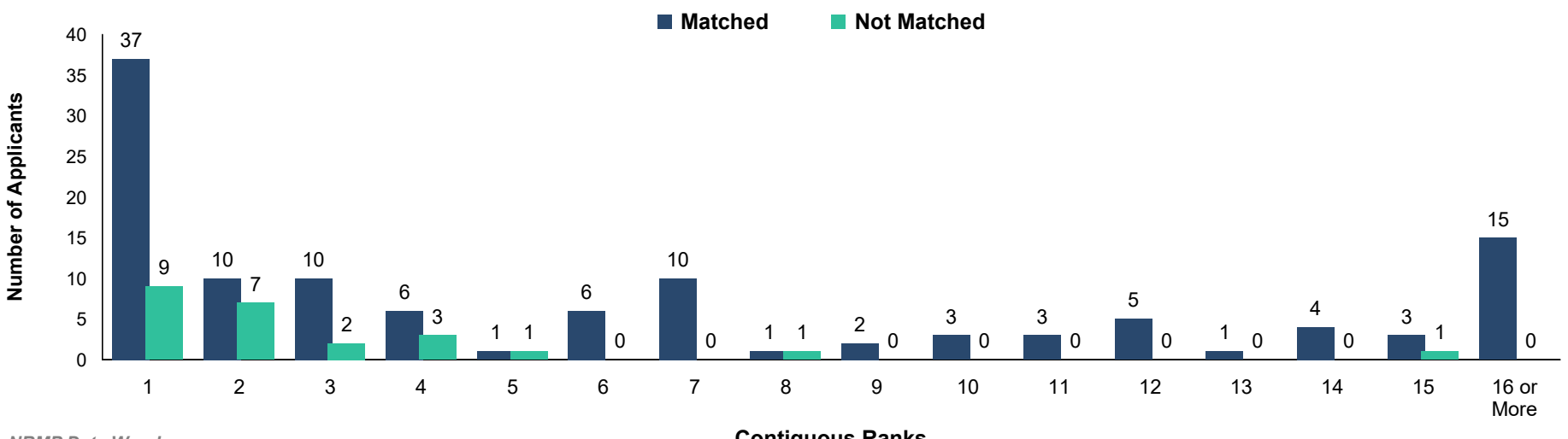


Chart IR-2

Number of Contiguous Ranks of U.S. MD Seniors

Interventional Radiology

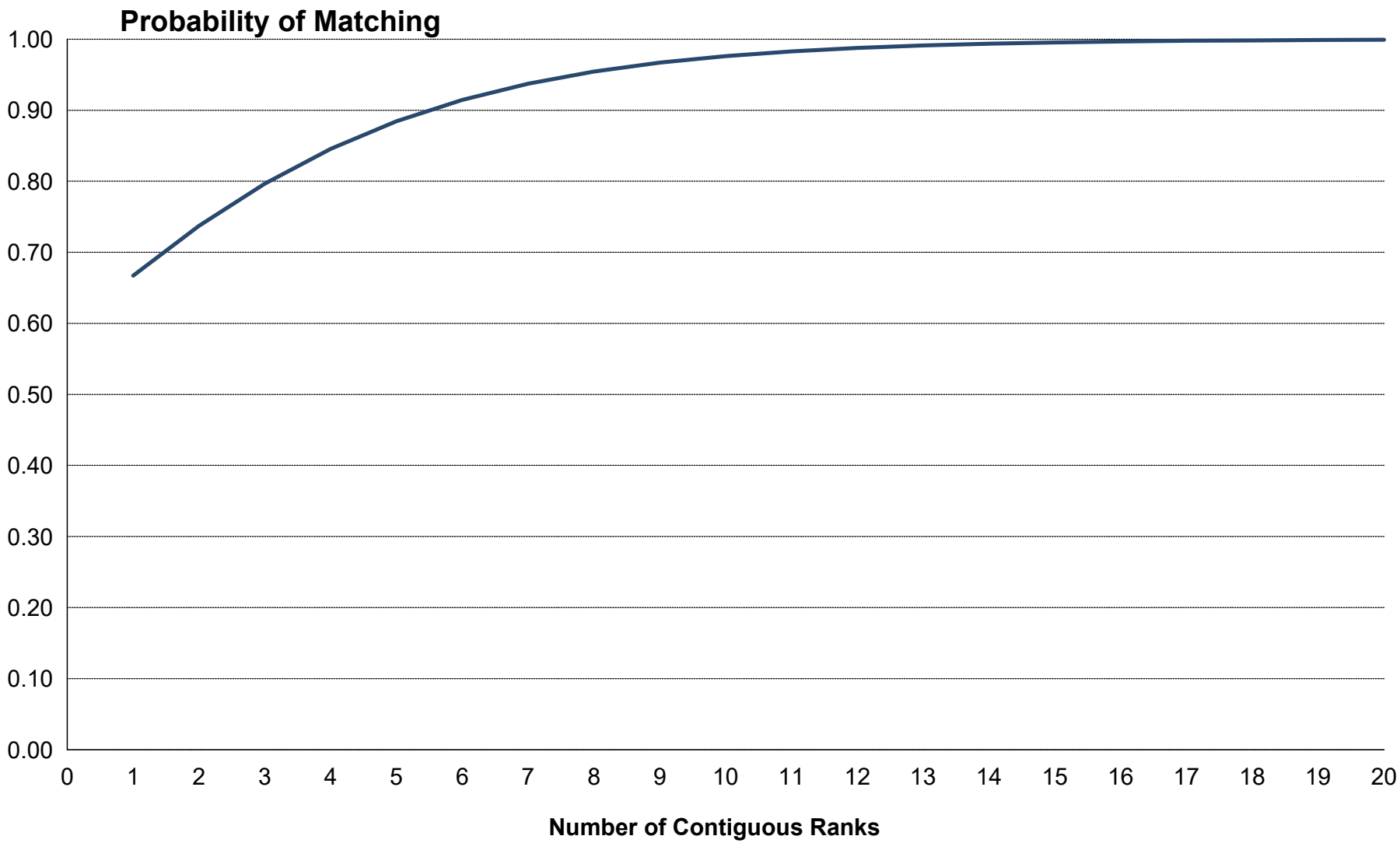


Source: NRMP Data Warehouse

Graph IR-1

Probability of U.S. MD Seniors Matching to Preferred Specialty by Number of Contiguous Ranks

Interventional Radiology



Source: NRMP Data Warehouse. Note: Probabilities calculated based on 2022-2024 applicants

Chart IR-3

USMLE Step 1 Scores of U.S. MD Seniors

Interventional Radiology

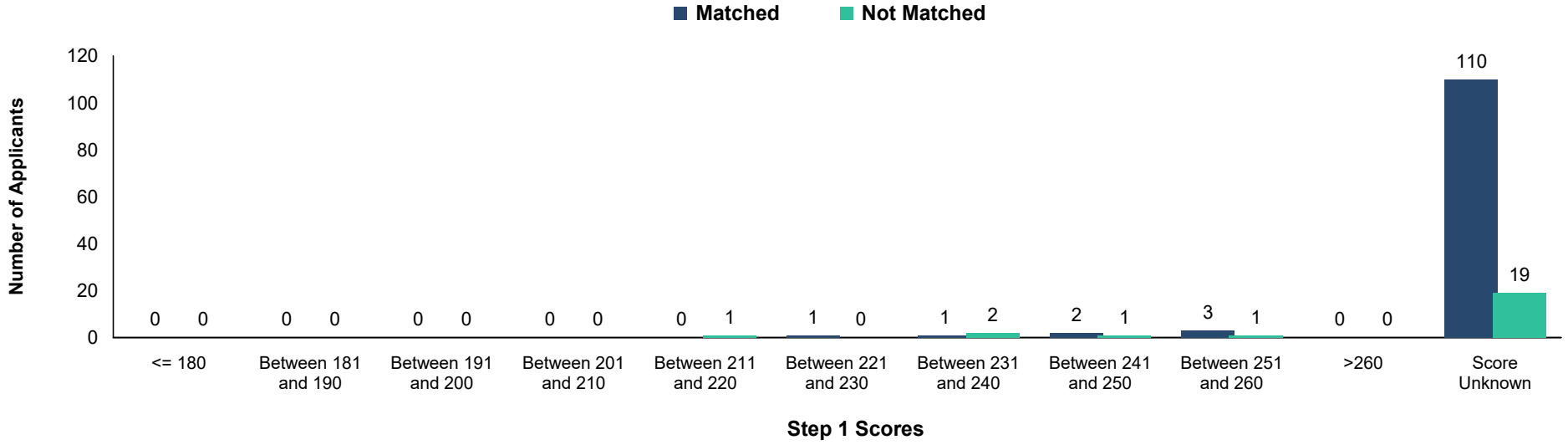
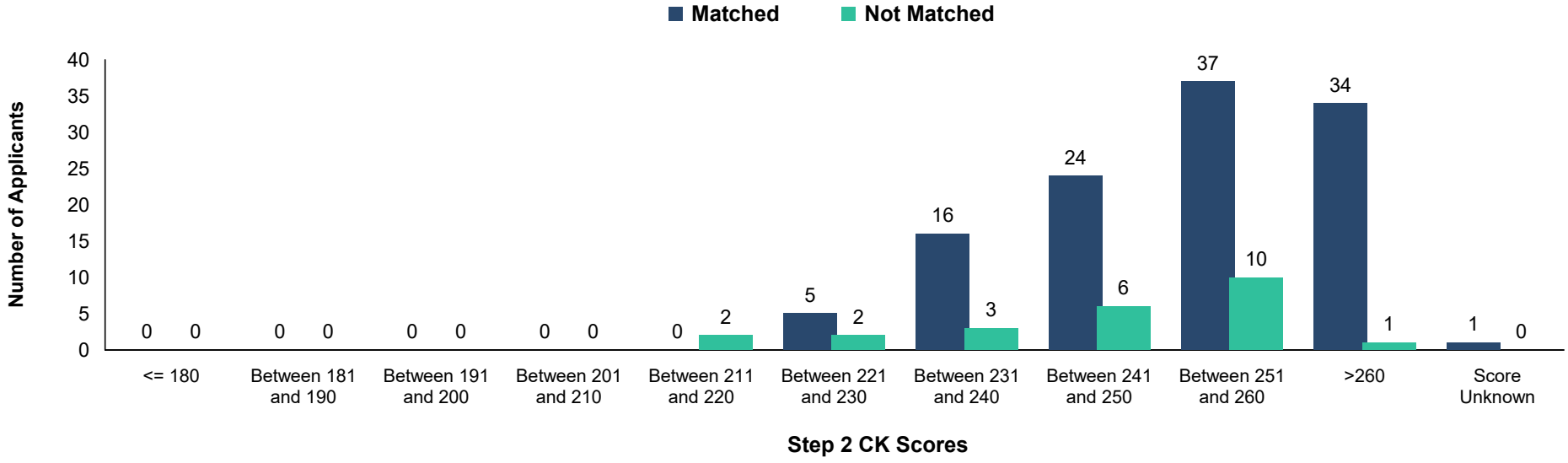


Chart IR-4

USMLE Step 2 CK Scores of U.S. MD Seniors

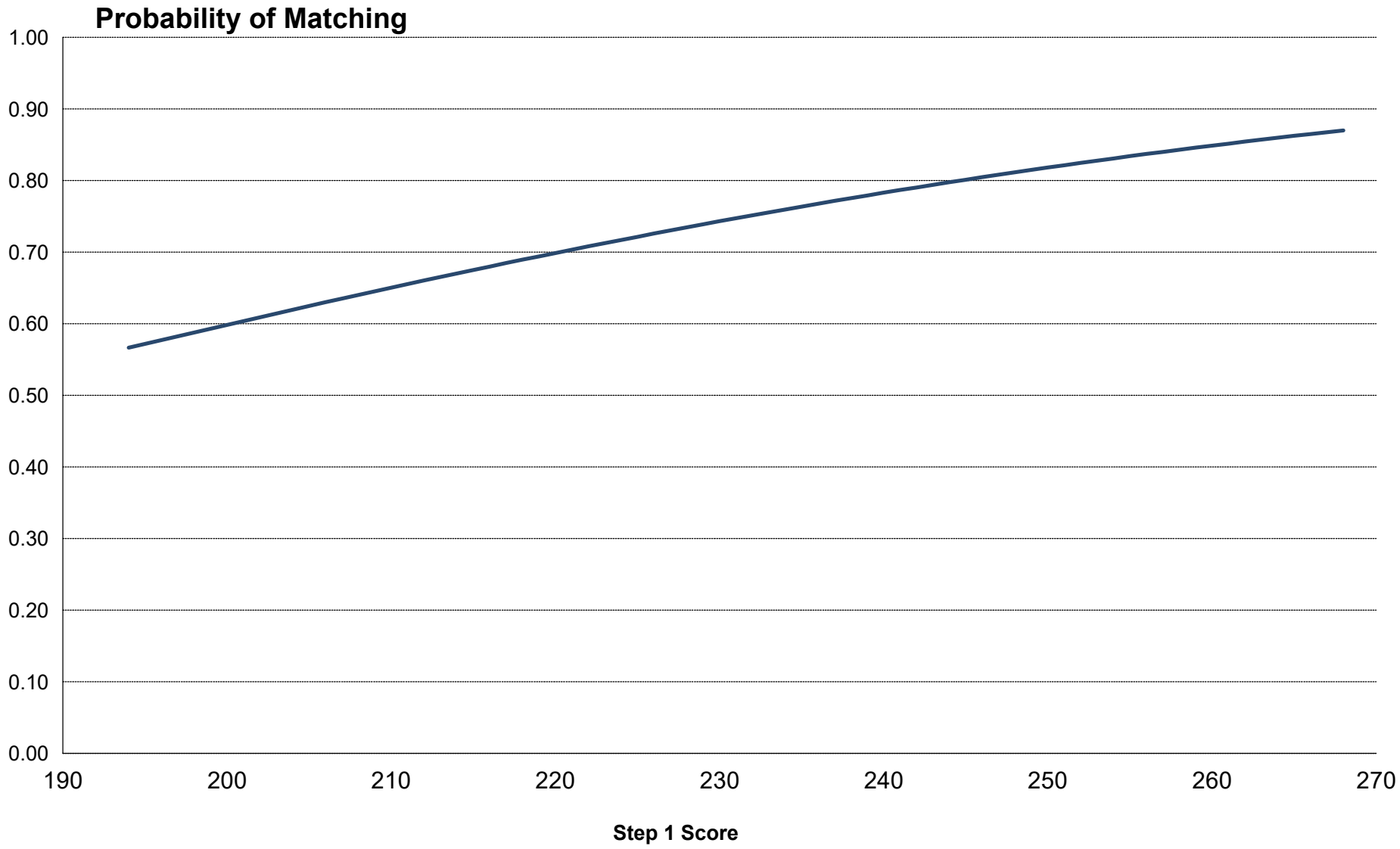
Interventional Radiology



Graph IR-2

Probability of U.S. MD Seniors Matching to Preferred Specialty by USMLE Step 1 Score

Interventional Radiology

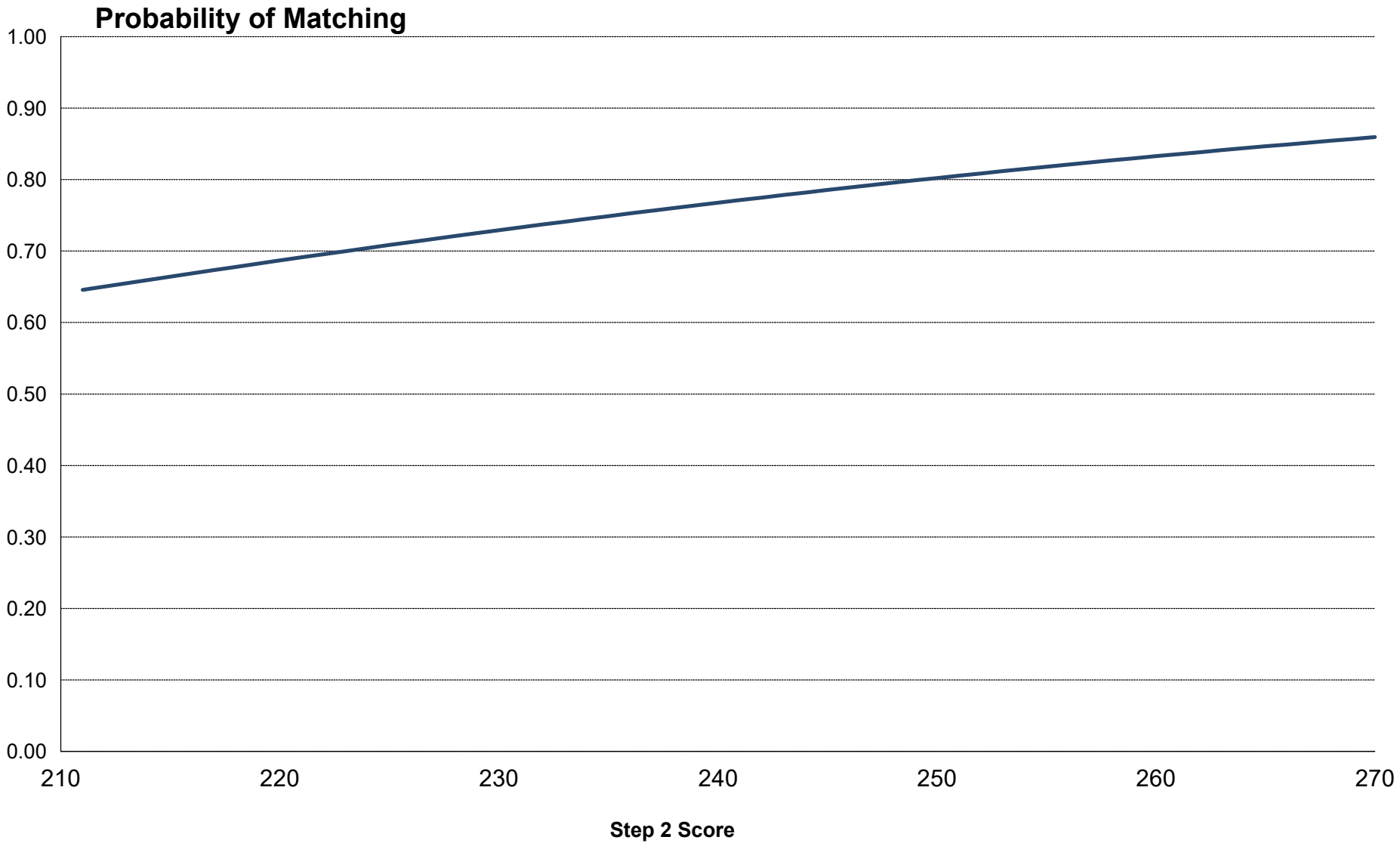


Source: NRMP Data Warehouse. Note: Probabilities calculated based on 2022-2024 applicants.

Graph IR-3

Probability of U.S. MD Seniors Matching to Preferred Specialty by USMLE Step 2 Score

Interventional Radiology



Source: NRMP Data Warehouse. Note: Probabilities calculated based on 2022-2024 applicants.

Chart IR-5

Number of Research Projects of U.S. MD Seniors

Interventional Radiology

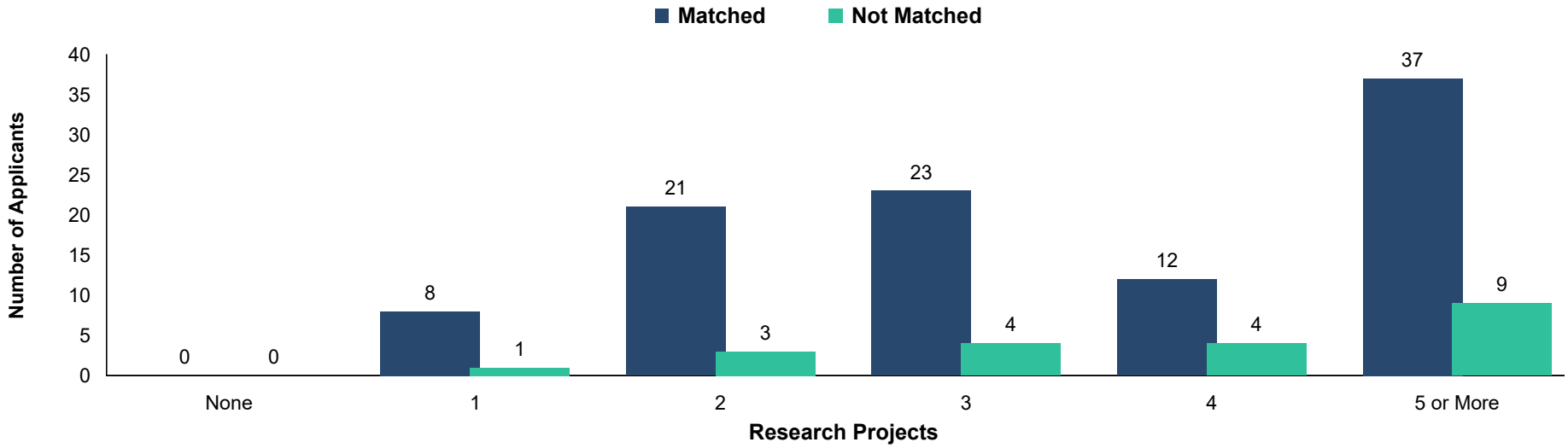
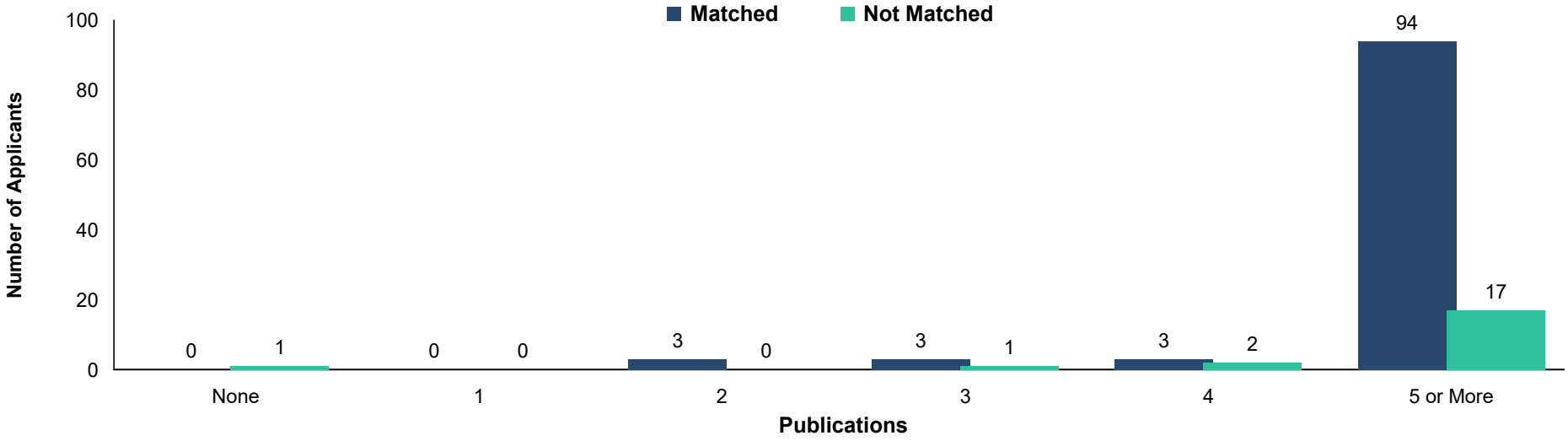


Chart IR-6

Number of Abstracts, Presentations, and Publications of U.S. MD Seniors

Interventional Radiology



Source: NRMP Data Warehouse

Chart IR-7

Number of Work Experiences of U.S. MD Seniors

Interventional Radiology

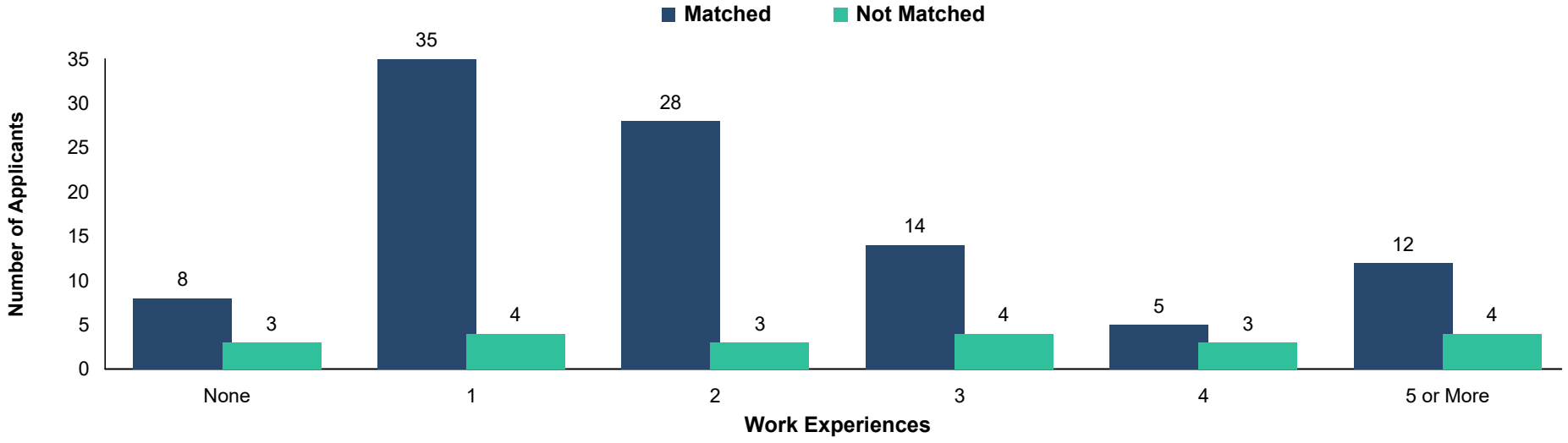
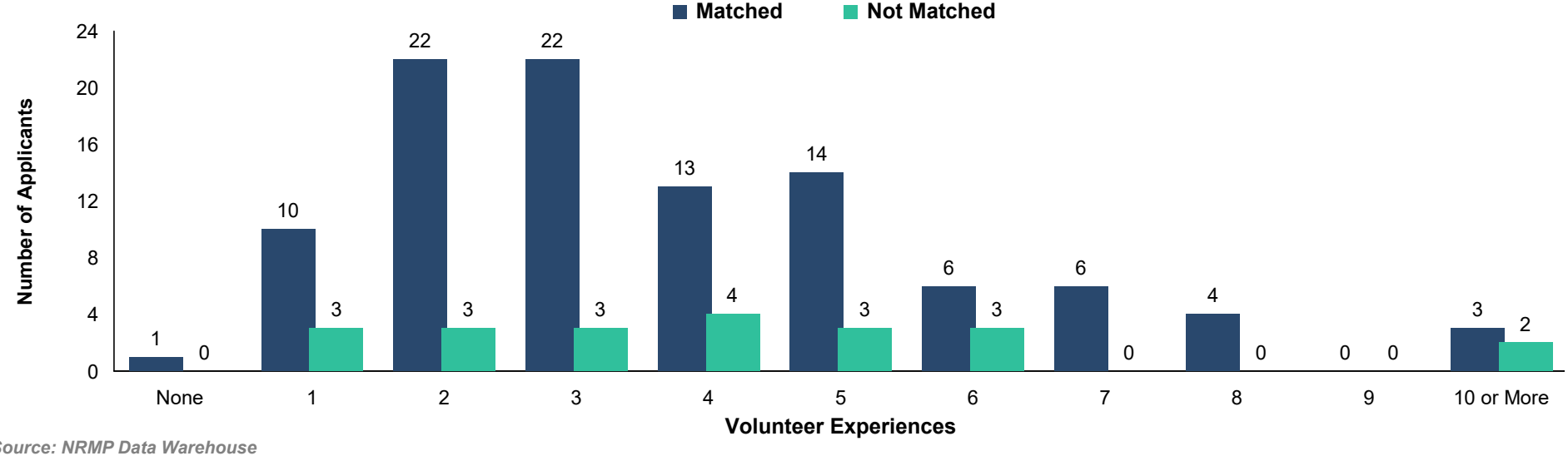


Chart IR-8

Number of Volunteer Experiences of U.S. MD Seniors

Interventional Radiology

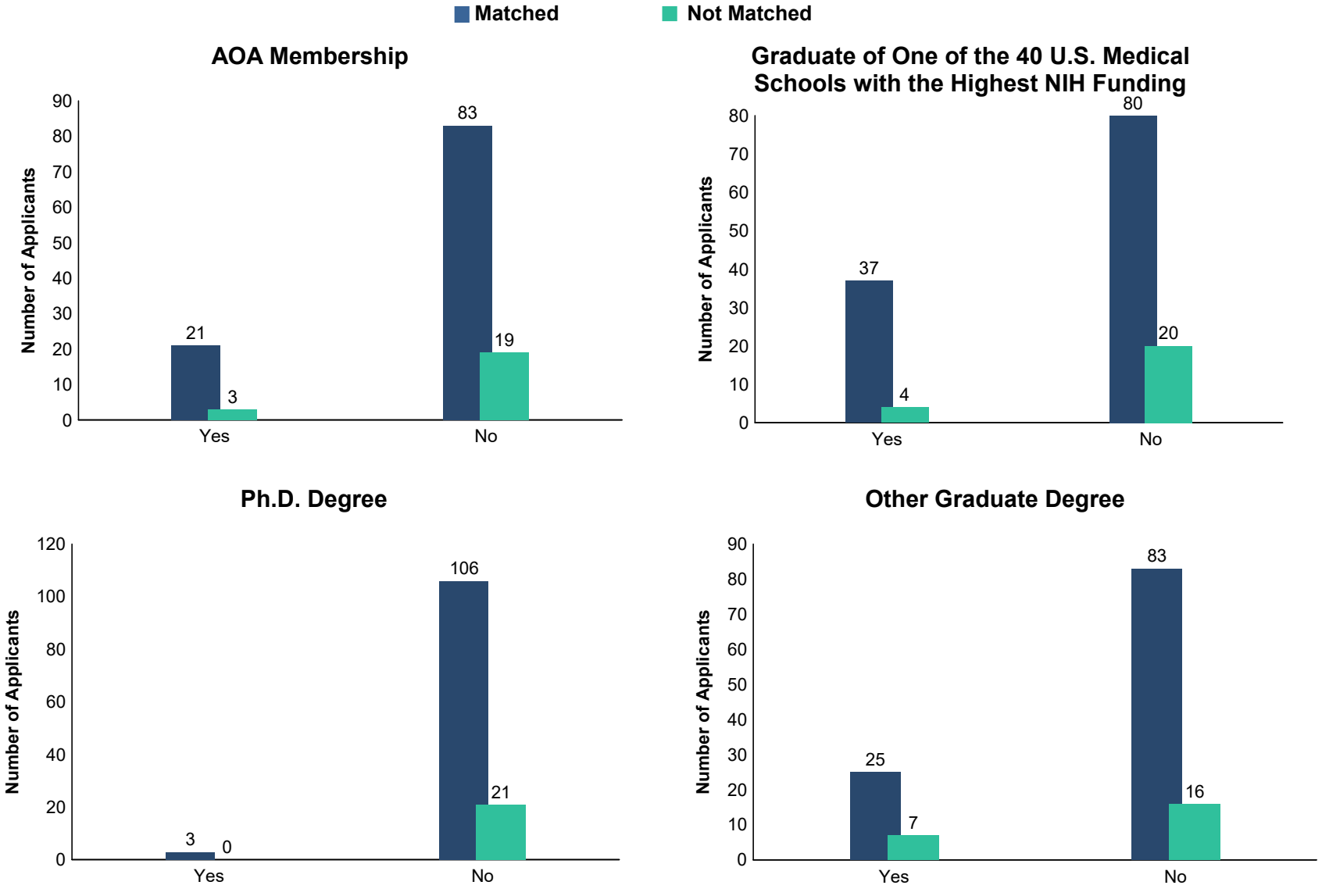


Source: NRMP Data Warehouse

Chart IR-9

Other Characteristics of U.S. MD Seniors

Interventional Radiology



Source: NRMP Data Warehouse. Top 40 U.S. medical schools with the highest NIH funding from NIH: http://report.nih.gov/award/index.cfm

NS Neurological Surgery

Table NS-1 Summary Statistics on U.S. MD Seniors
Neurological Surgery

Measure	Matched (n=161)	Unmatched (n=71)
1. Mean number of contiguous ranks	16.7	9.1
2. Mean number of distinct specialties ranked	1.0	1.3
3. Mean USMLE Step 1 score*	245	230
4. Mean USMLE Step 2 score	255	247
5. Mean number of research experiences	5.8	5.5
6. Mean number of abstracts, presentations, and publications	37.4	31.8
7. Mean number of work experiences	2.2	1.8
8. Mean number of volunteer experiences	4.2	4.2
9. Percentage who are AOA members	28.0	14.1
10. Percentage who graduated from one of the 40 U.S. medical schools with the highest NIH funding	46.0	25.4
11. Percentage who have Ph.D. degree	6.8	7.9
12. Percentage who have another graduate degree	25.9	27.0

Note: Only U.S. MD seniors who gave consent to use their information in research are included.
*Only applicants who indicated completion of the USMLE Step 1 exam prior to the transition to pass/fail (i.e., prior to January 26, 2022) had the option to self-report their Step 1 numeric score. In 2024, only 2,143 U.S. MD seniors self-reported Step 1 numeric scores.
Sources. NRMP Data Warehouse; Top 40 U.S. medical schools with the highest NIH funding in measure 10 is from the NIH website (http://report.nih.gov/award/index.cfm).

Chart NS-1

Number of Distinct Specialties Ranked by U.S. MD Seniors

Neurological Surgery

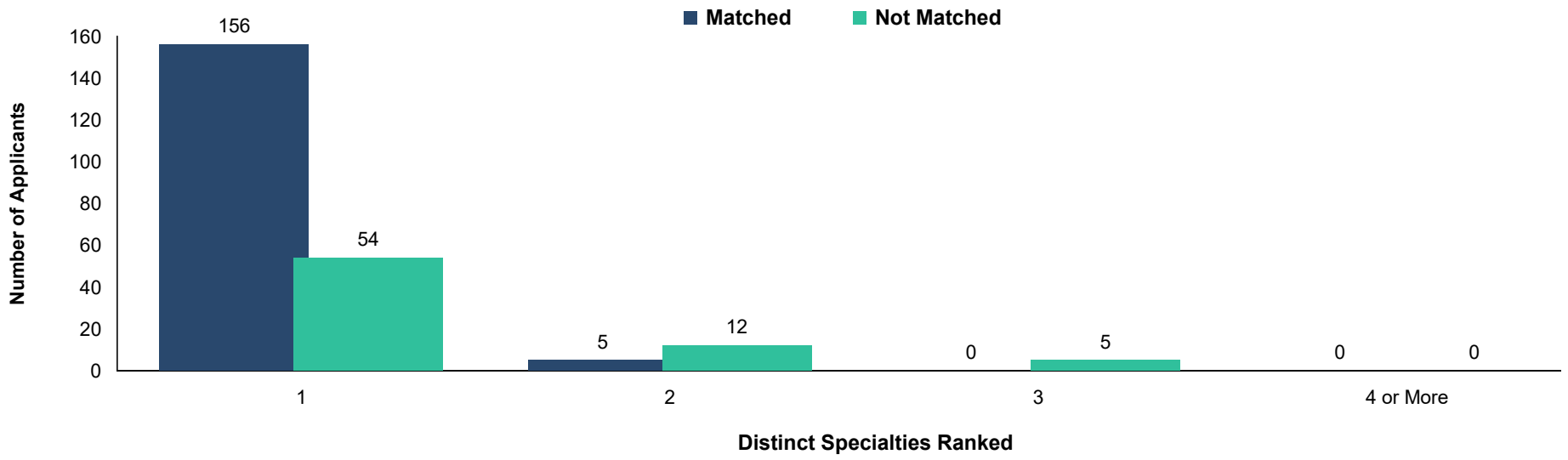
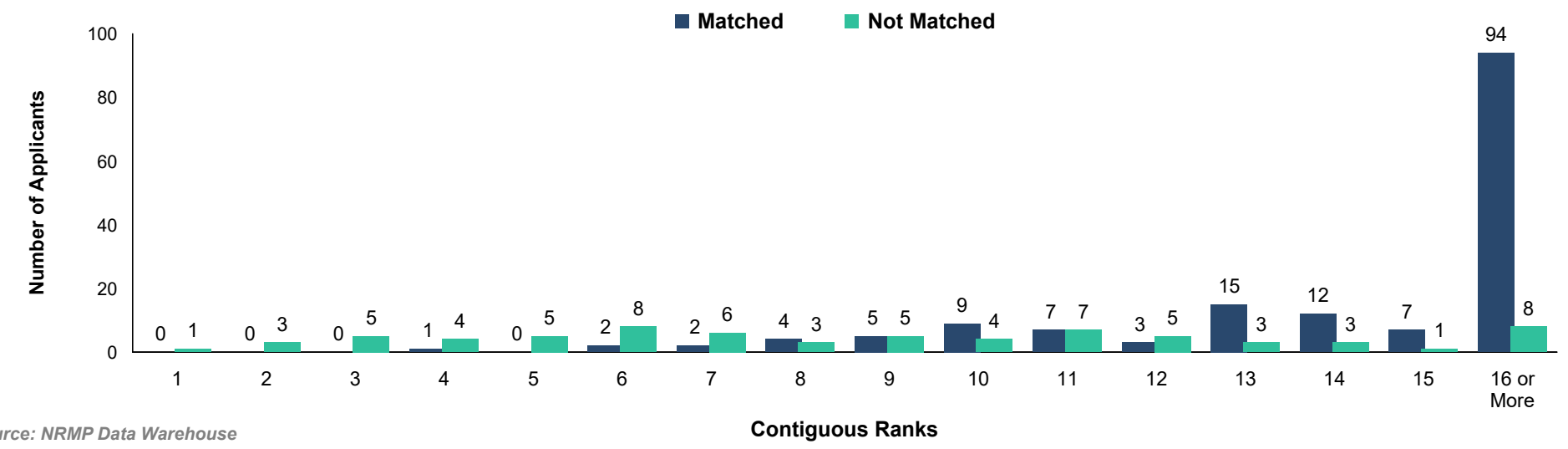


Chart NS-2

Number of Contiguous Ranks of U.S. MD Seniors

Neurological Surgery

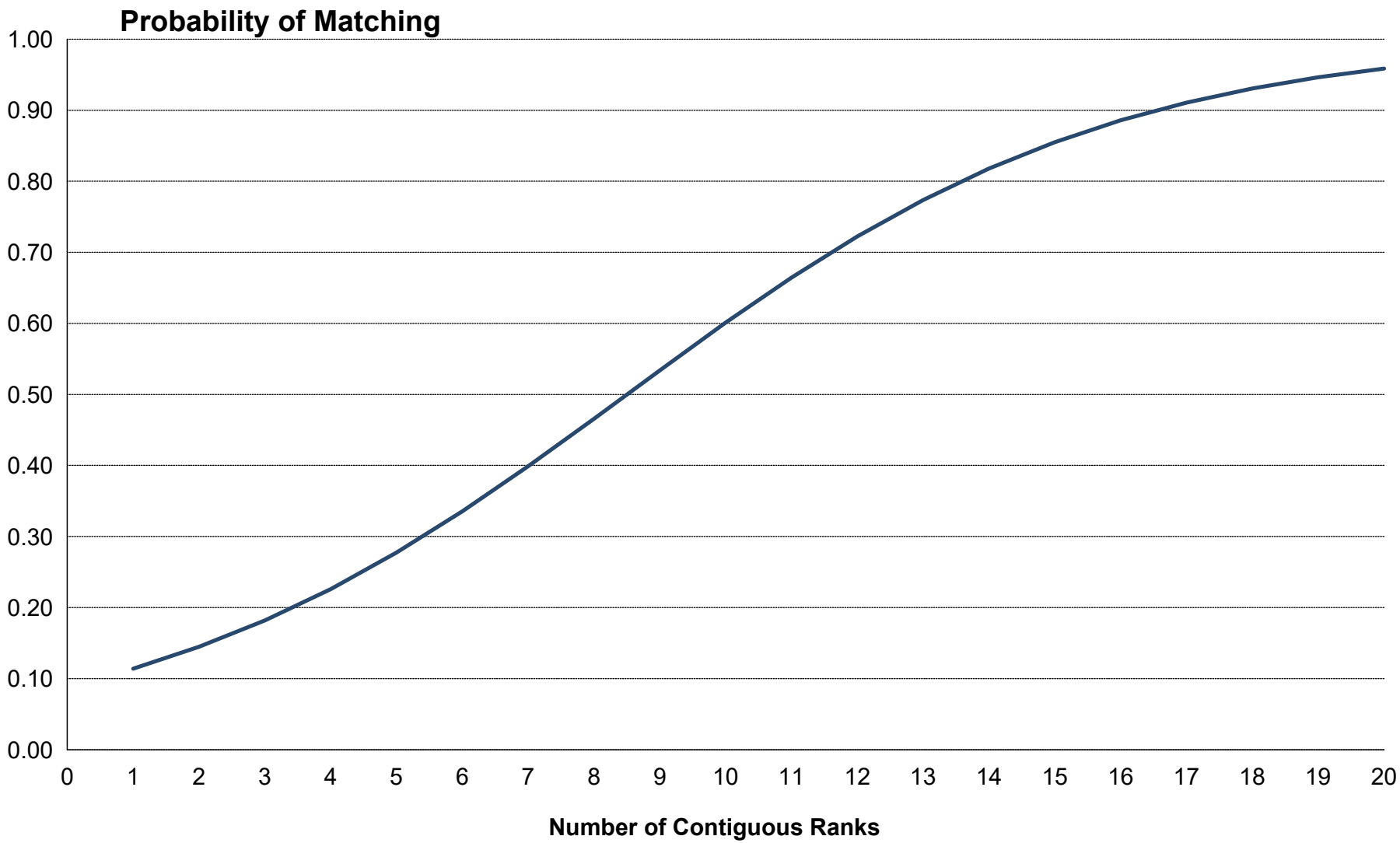


Source: NRMP Data Warehouse

Graph NS-1

Probability of U.S. MD Seniors Matching to Preferred Specialty by Number of Contiguous Ranks

Neurological Surgery



Source: NRMP Data Warehouse. Note: Probabilities calculated based on 2022-2024 applicants

Chart NS-3

USMLE Step 1 Scores of U.S. MD Seniors

Neurological Surgery

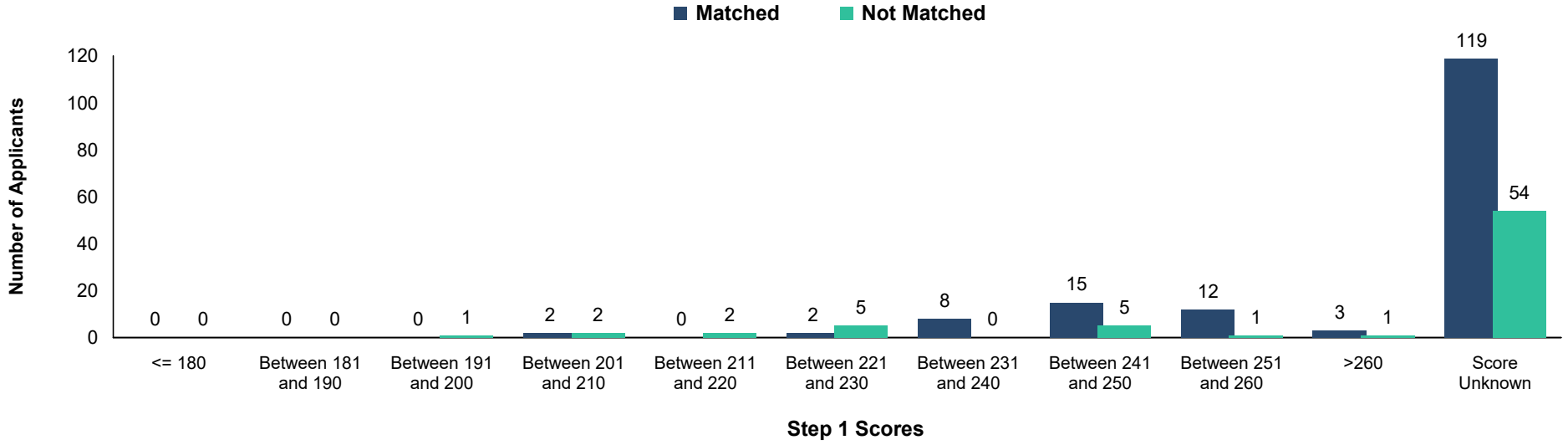
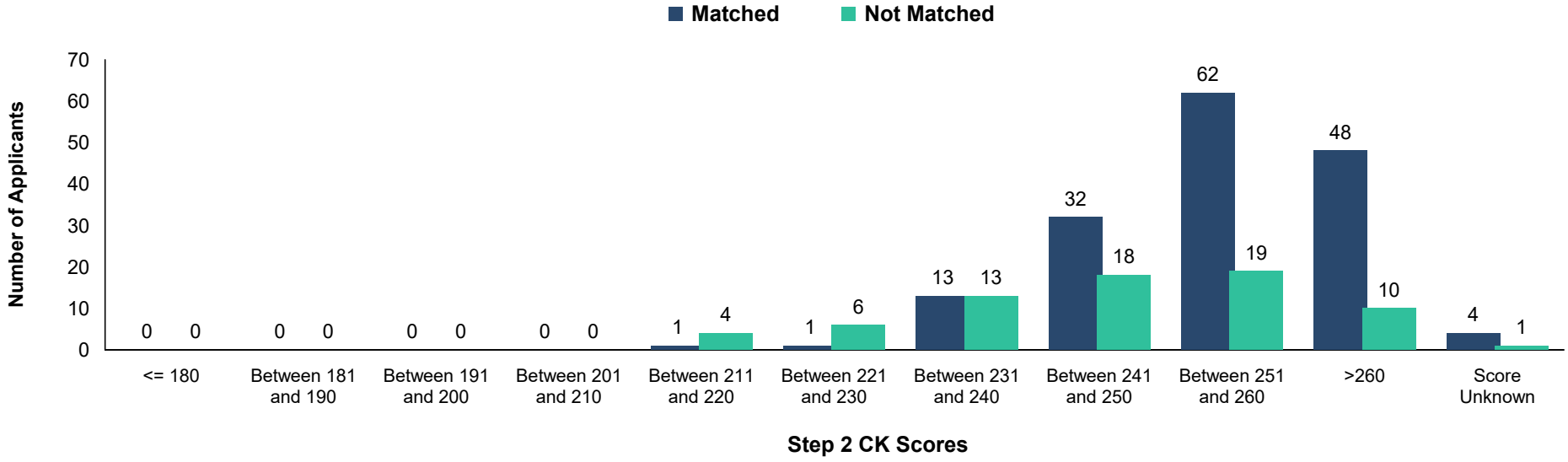


Chart NS-4

USMLE Step 2 CK Scores of U.S. MD Seniors

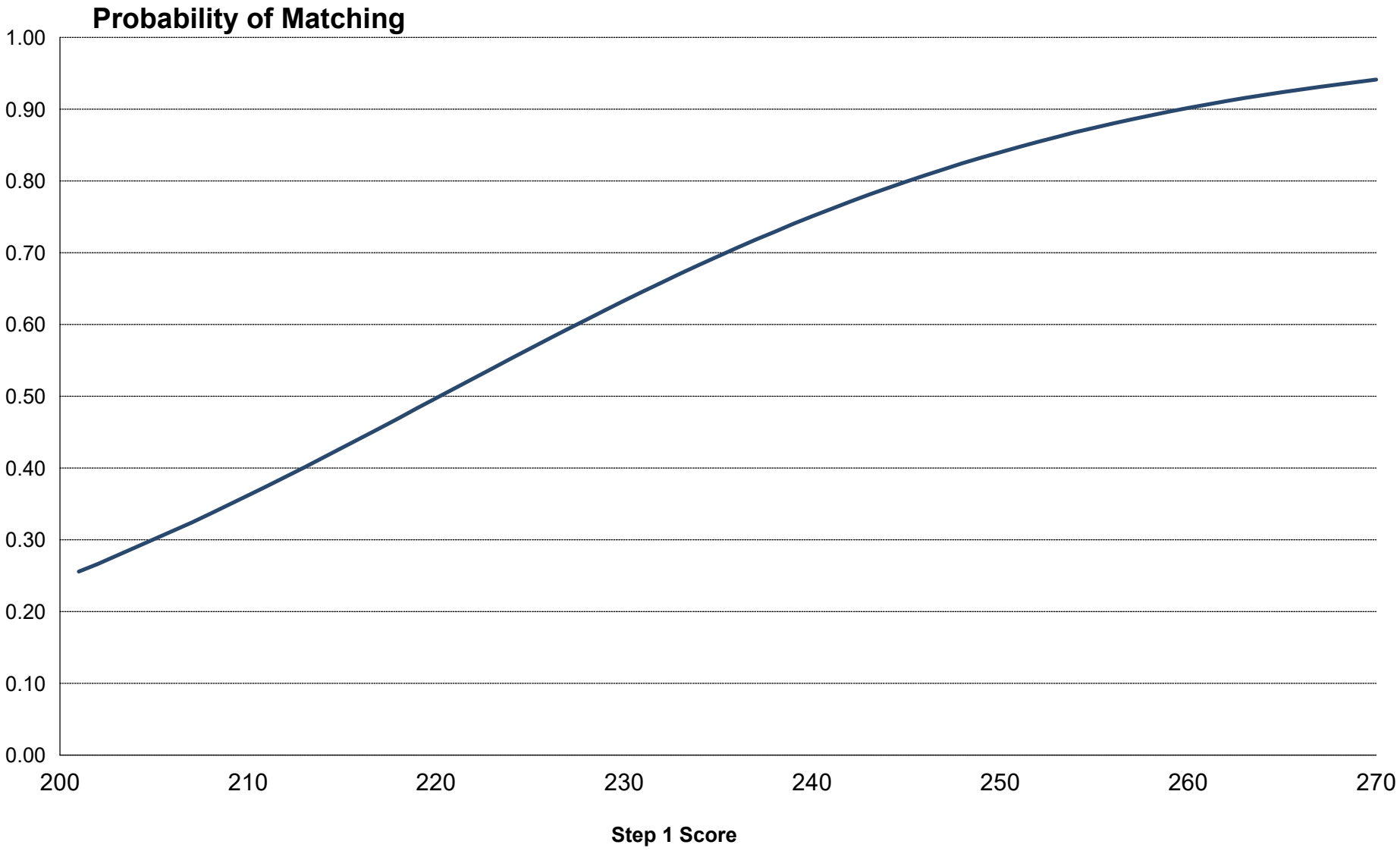
Neurological Surgery



Graph NS-2

Probability of U.S. MD Seniors Matching to Preferred Specialty by USMLE Step 1 Score

Neurological Surgery

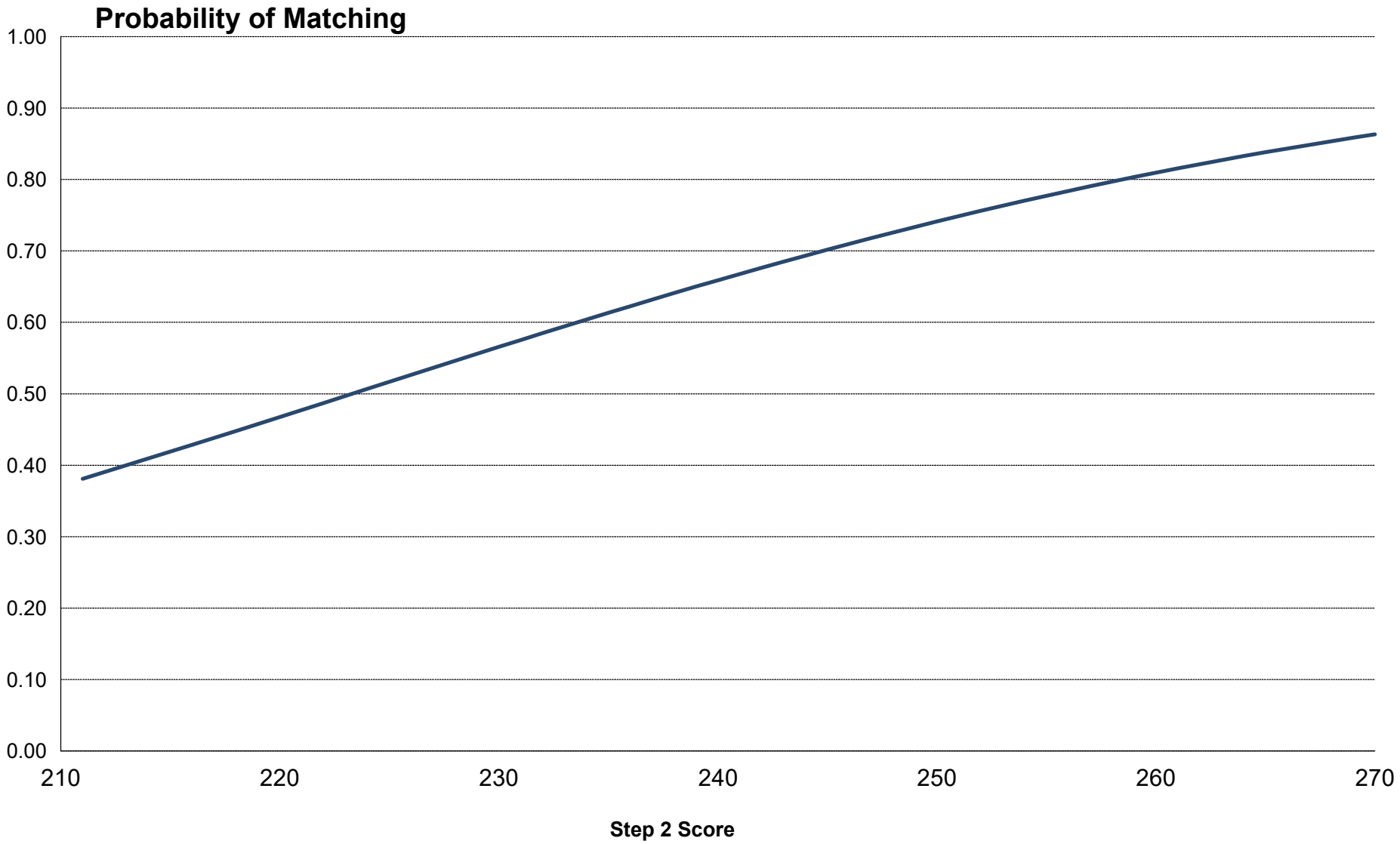


Source: NRMP Data Warehouse. Note: Probabilities calculated based on 2022-2024 applicants.

Graph NS-3

Probability of U.S. MD Seniors Matching to Preferred Specialty by USMLE Step 2 Score

Neurological Surgery



Source: NRMP Data Warehouse. Note: Probabilities calculated based on 2022-2024 applicants.

Chart NS-5

Number of Research Projects of U.S. MD Seniors

Neurological Surgery

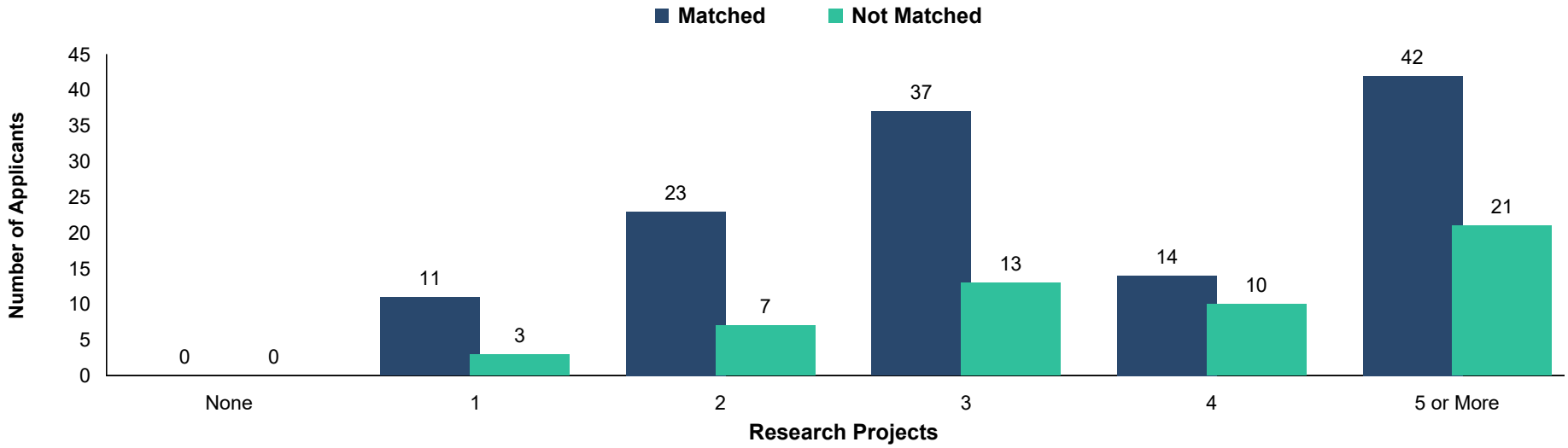
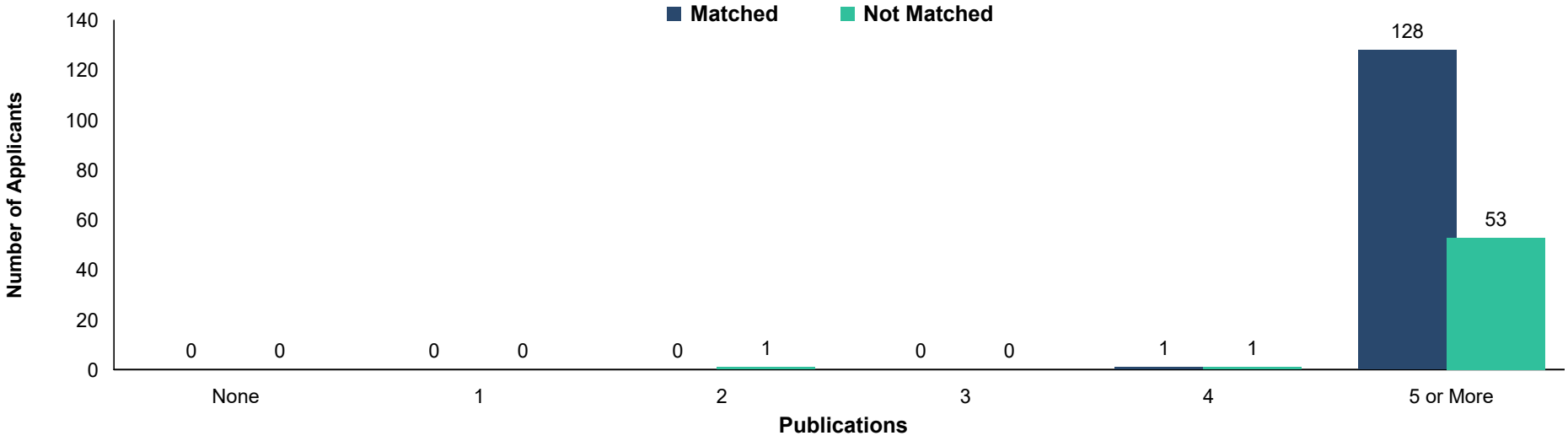


Chart NS-6

Number of Abstracts, Presentations, and Publications of U.S. MD Seniors

Neurological Surgery



Source: NRMP Data Warehouse

Chart NS-7

Number of Work Experiences of U.S. MD Seniors

Neurological Surgery

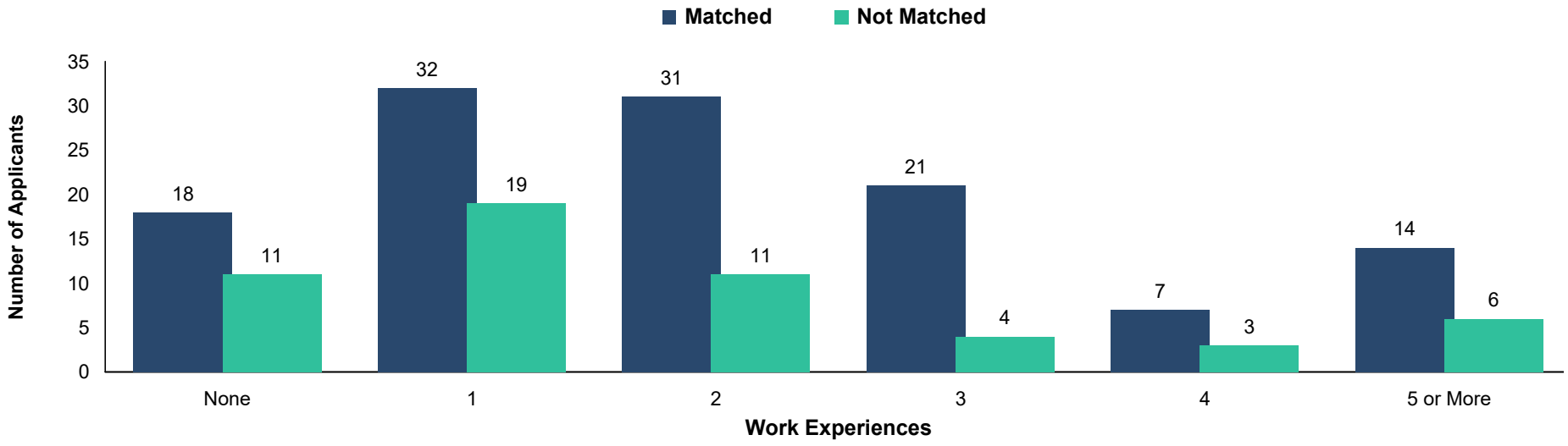
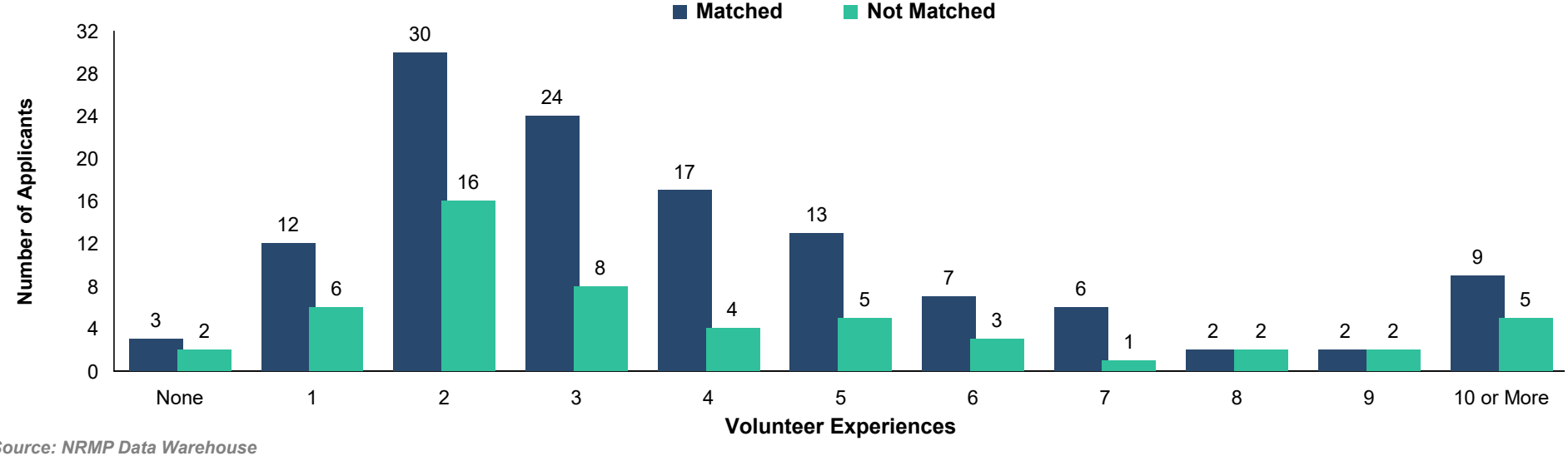


Chart NS-8

Number of Volunteer Experiences of U.S. MD Seniors

Neurological Surgery

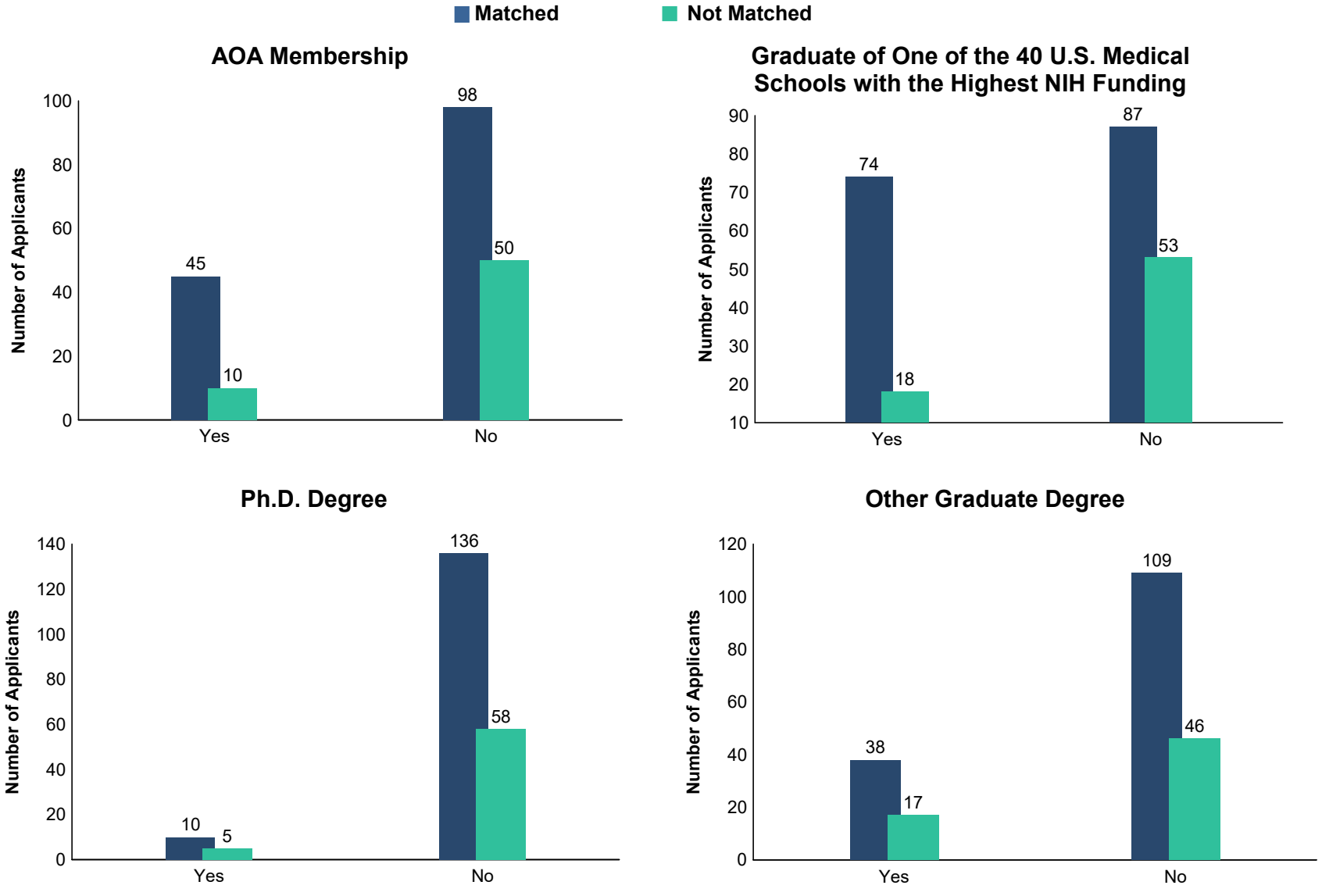


Source: NRMP Data Warehouse

Chart NS-9

Other Characteristics of U.S. MD Seniors

Neurological Surgery



Source: NRMP Data Warehouse. Top 40 U.S. medical schools with the highest NIH funding from NIH: http://report.nih.gov/award/index.cfm

N Neurology

Table N-1 Summary Statistics on U.S. MD Seniors
Neurology

Measure	Matched (n=488)	Unmatched (n=30)
1. Mean number of contiguous ranks	13.1	4.1
2. Mean number of distinct specialties ranked	1.1	1.3
3. Mean USMLE Step 1 score*	231	228
4. Mean USMLE Step 2 score	250	236
5. Mean number of research experiences	3.5	2.8
6. Mean number of abstracts, presentations, and publications	8.8	5.5
7. Mean number of work experiences	1.8	1.8
8. Mean number of volunteer experiences	4.2	3.9
9. Percentage who are AOA members	12.5	0.0
10. Percentage who graduated from one of the 40 U.S. medical schools with the highest NIH funding	26.8	16.7
11. Percentage who have Ph.D. degree	4.7	3.6
12. Percentage who have another graduate degree	19.5	14.3

Note: Only U.S. MD seniors who gave consent to use their information in research are included.
*Only applicants who indicated completion of the USMLE Step 1 exam prior to the transition to pass/fail (i.e., prior to January 26, 2022) had the option to self-report their Step 1 numeric score. In 2024, only 2,143 U.S. MD seniors self-reported Step 1 numeric scores.
Sources. NRMP Data Warehouse; Top 40 U.S. medical schools with the highest NIH funding in measure 10 is from the NIH website (http://report.nih.gov/award/index.cfm).

Chart N-1

Number of Distinct Specialties Ranked by U.S. MD Seniors

Neurology

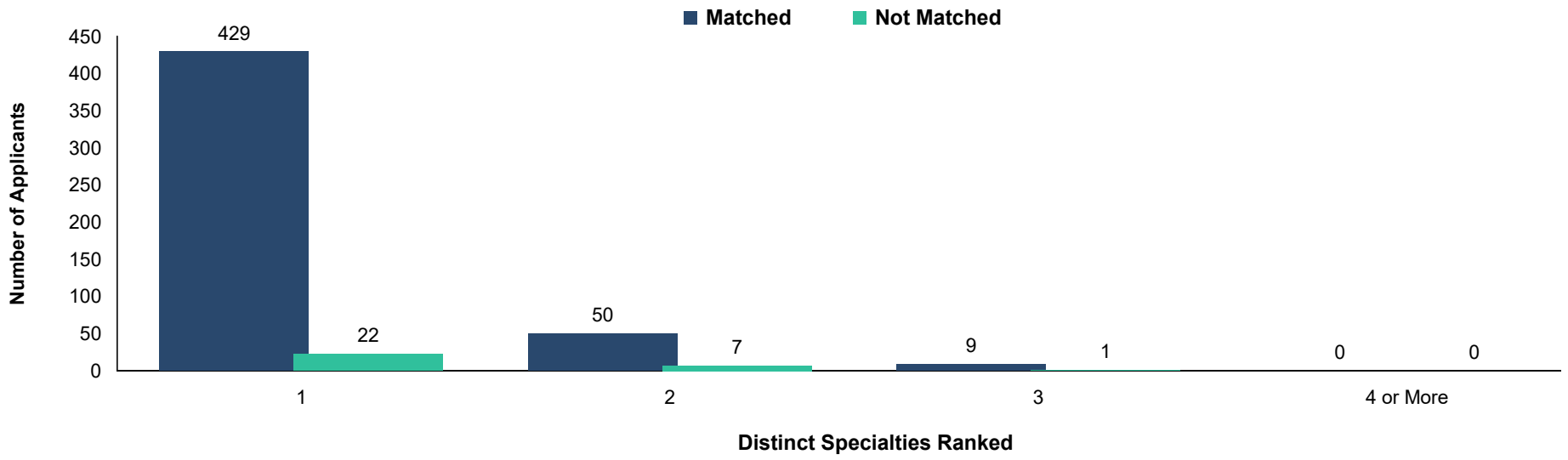
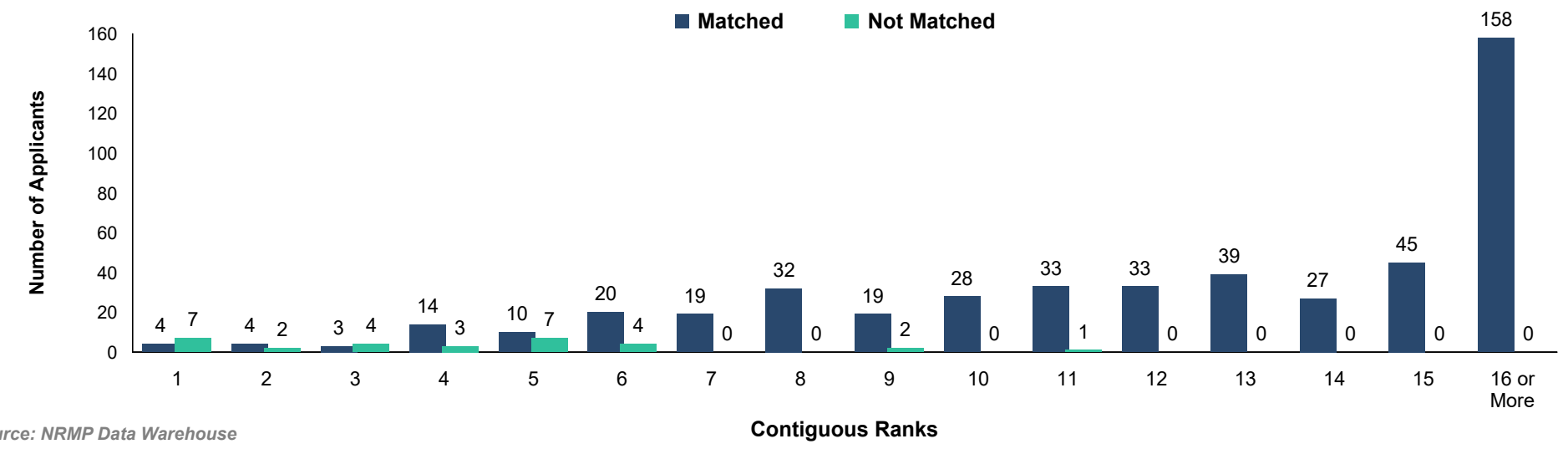


Chart N-2

Number of Contiguous Ranks of U.S. MD Seniors

Neurology

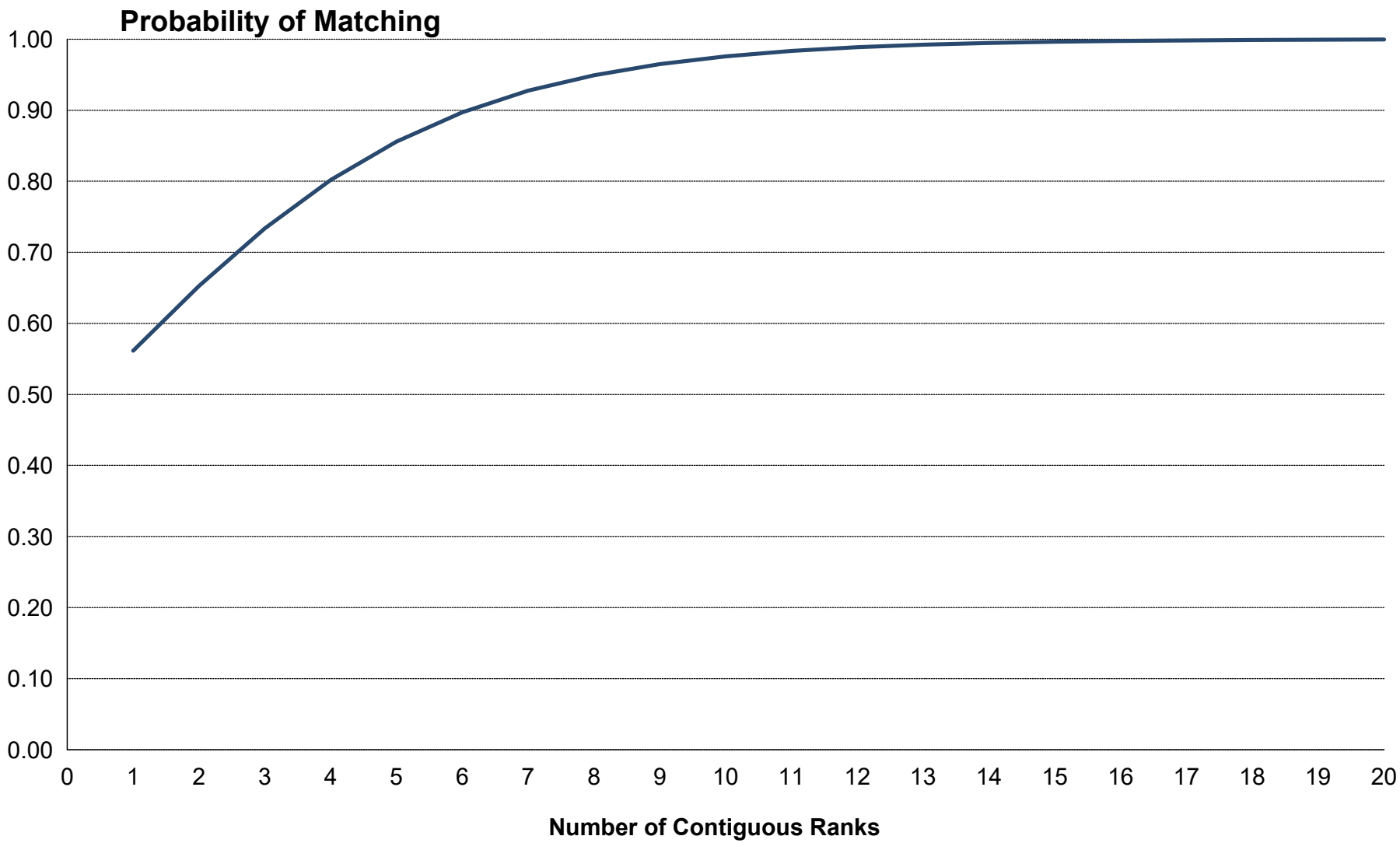


Source: NRMP Data Warehouse

Graph N-1

Probability of U.S. MD Seniors Matching to Preferred Specialty by Number of Contiguous Ranks

Neurology



Source: NRMP Data Warehouse. Note: Probabilities calculated based on 2022-2024 applicants

Chart N-3

USMLE Step 1 Scores of U.S. MD Seniors

Neurology

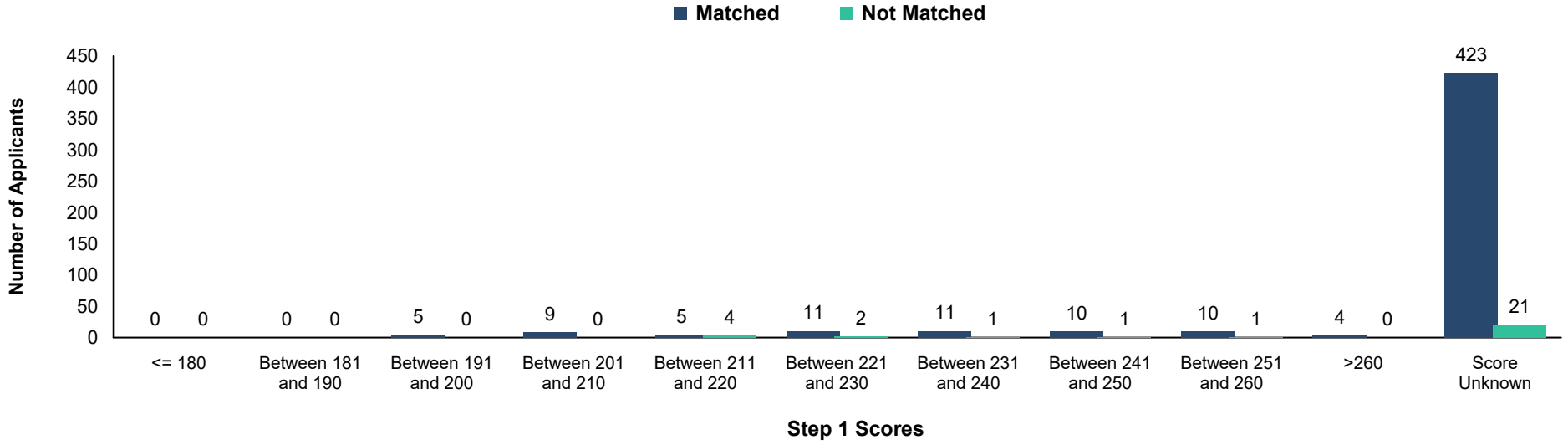
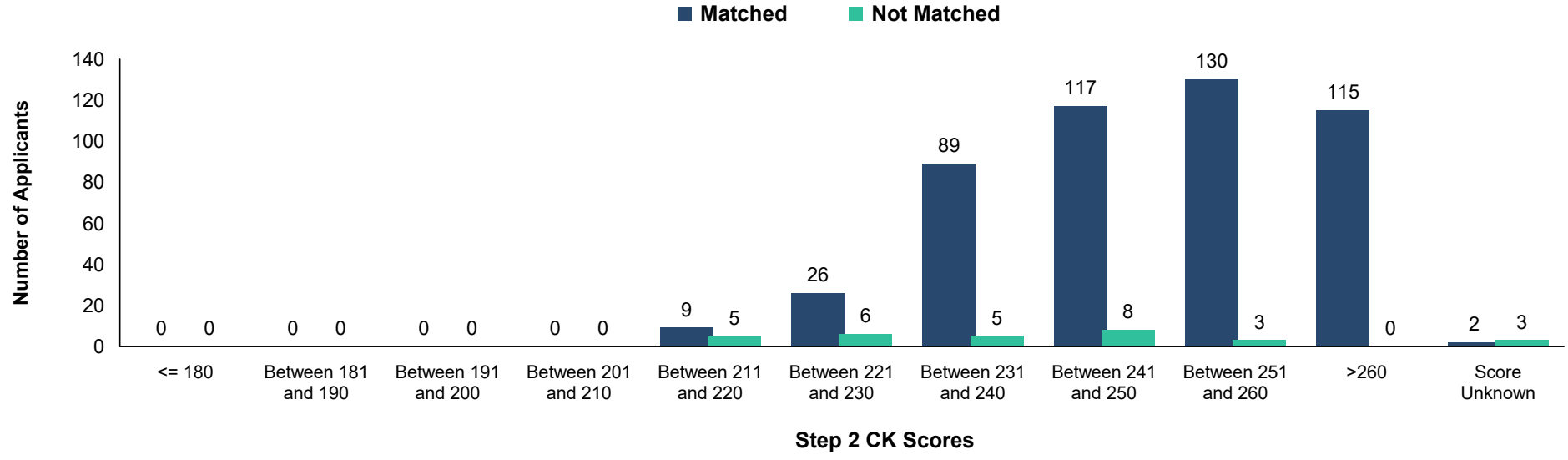


Chart N-4

USMLE Step 2 CK Scores of U.S. MD Seniors

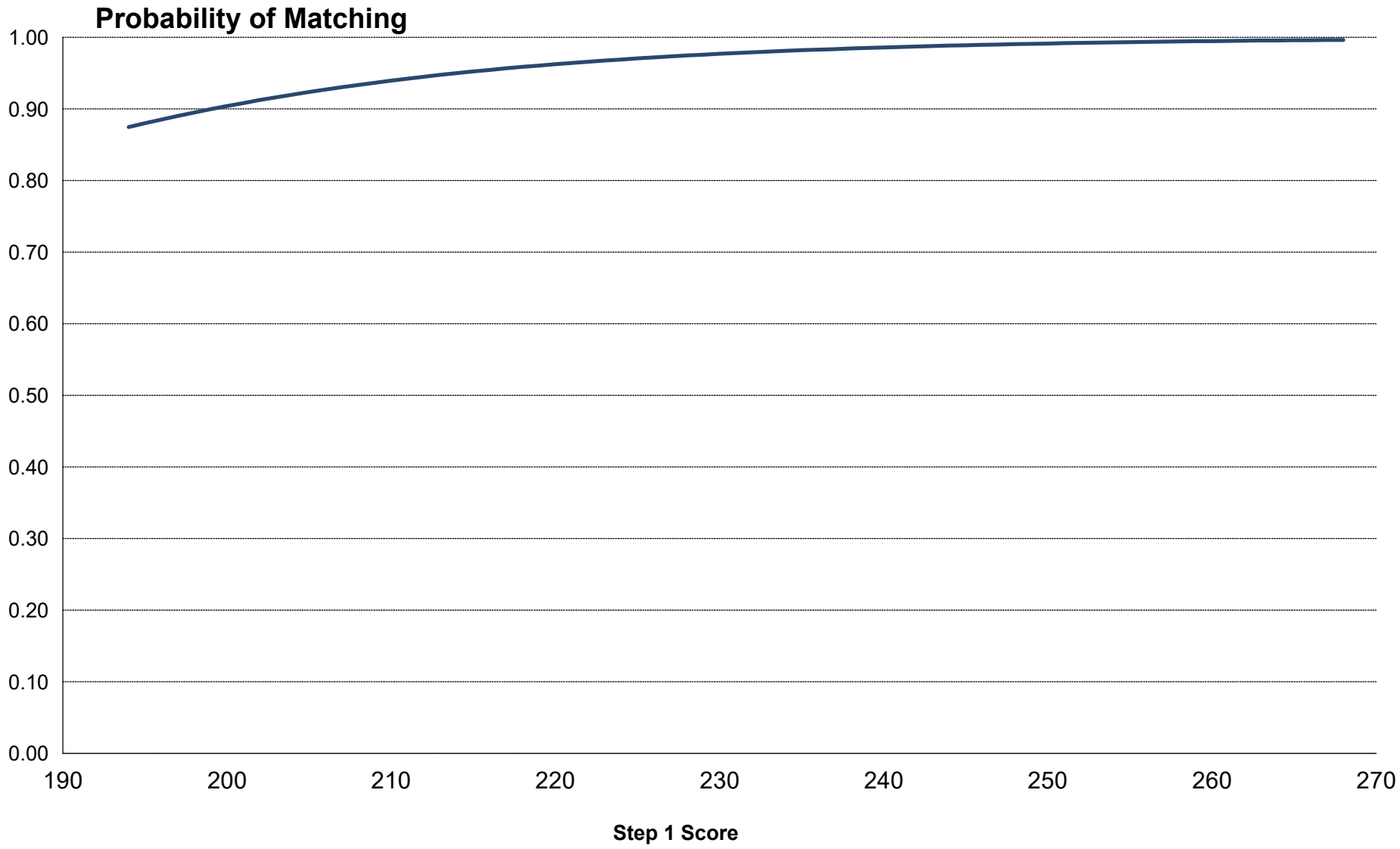
Neurology



Graph N-2

Probability of U.S. MD Seniors Matching to Preferred Specialty by USMLE Step 1 Score

Neurology

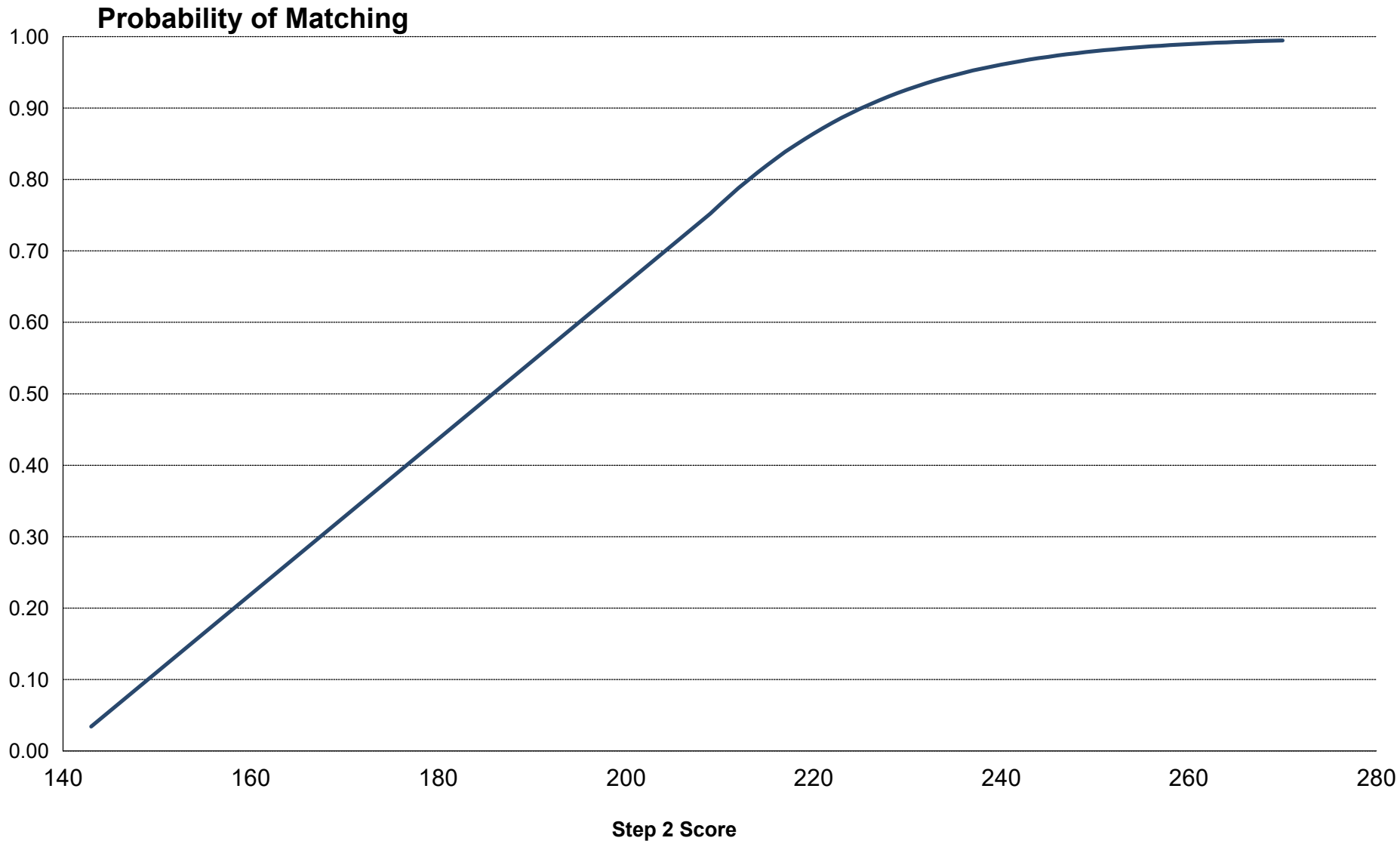


Source: NRMP Data Warehouse. Note: Probabilities calculated based on 2022-2024 applicants.

Graph N-3

Probability of U.S. MD Seniors Matching to Preferred Specialty by USMLE Step 2 Score

Neurology



Source: NRMP Data Warehouse. Note: Probabilities calculated based on 2022-2024 applicants.

Chart N-5

Number of Research Projects of U.S. MD Seniors

Neurology

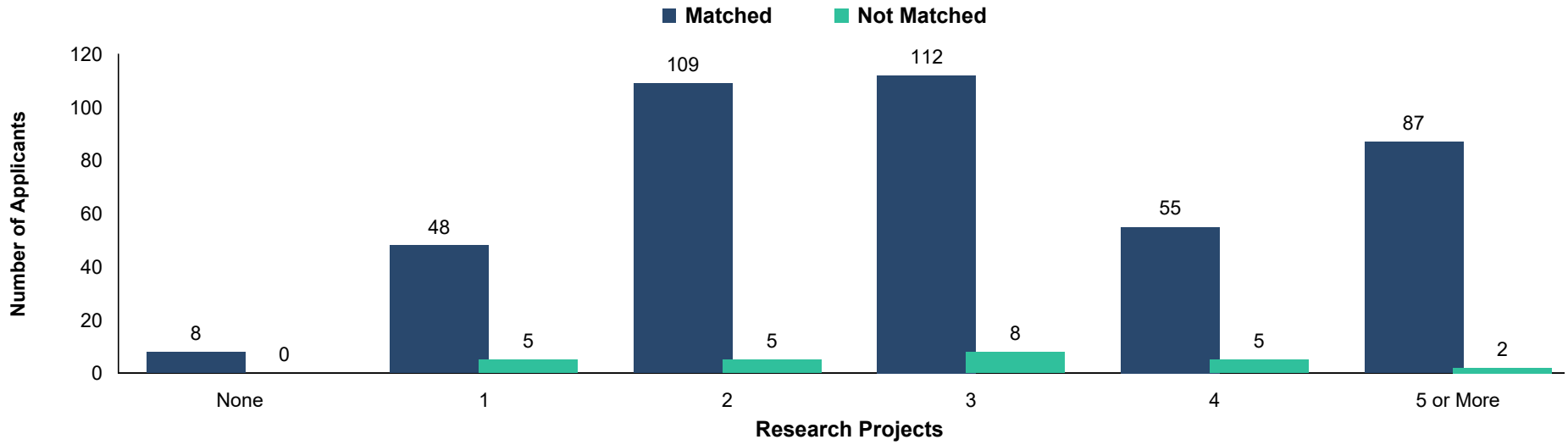
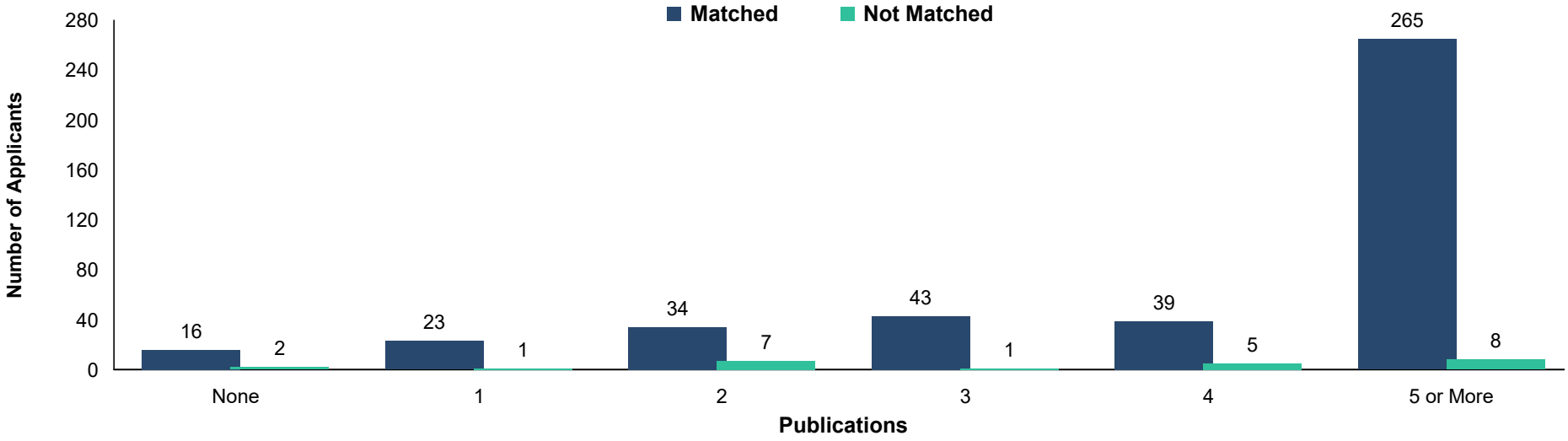


Chart N-6

Number of Abstracts, Presentations, and Publications of U.S. MD Seniors

Neurology



Source: NRMP Data Warehouse

Chart N-7

Number of Work Experiences of U.S. MD Seniors

Neurology

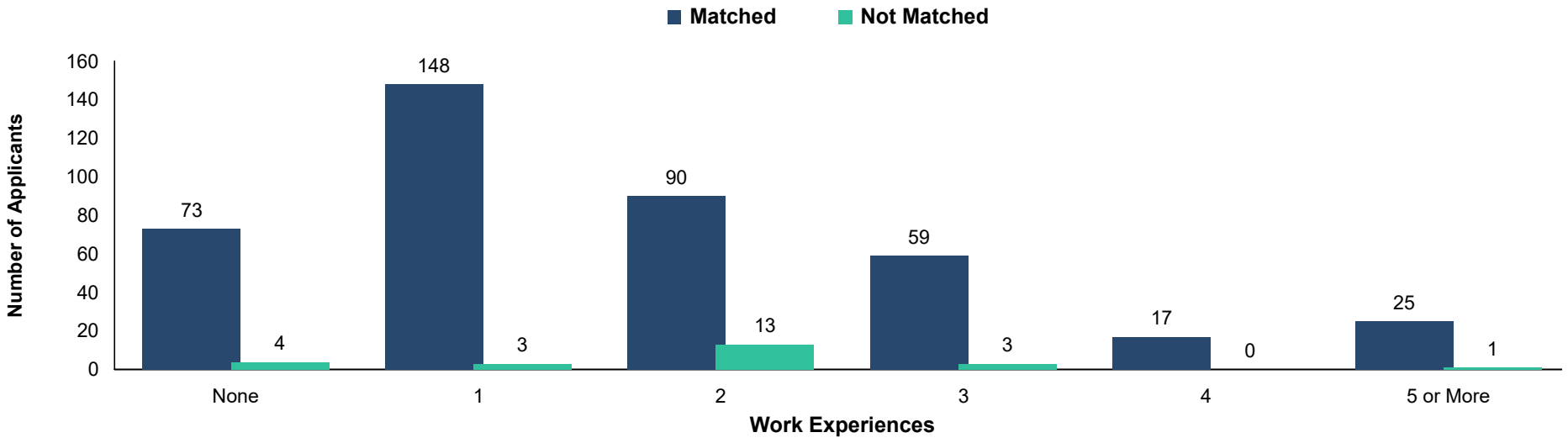
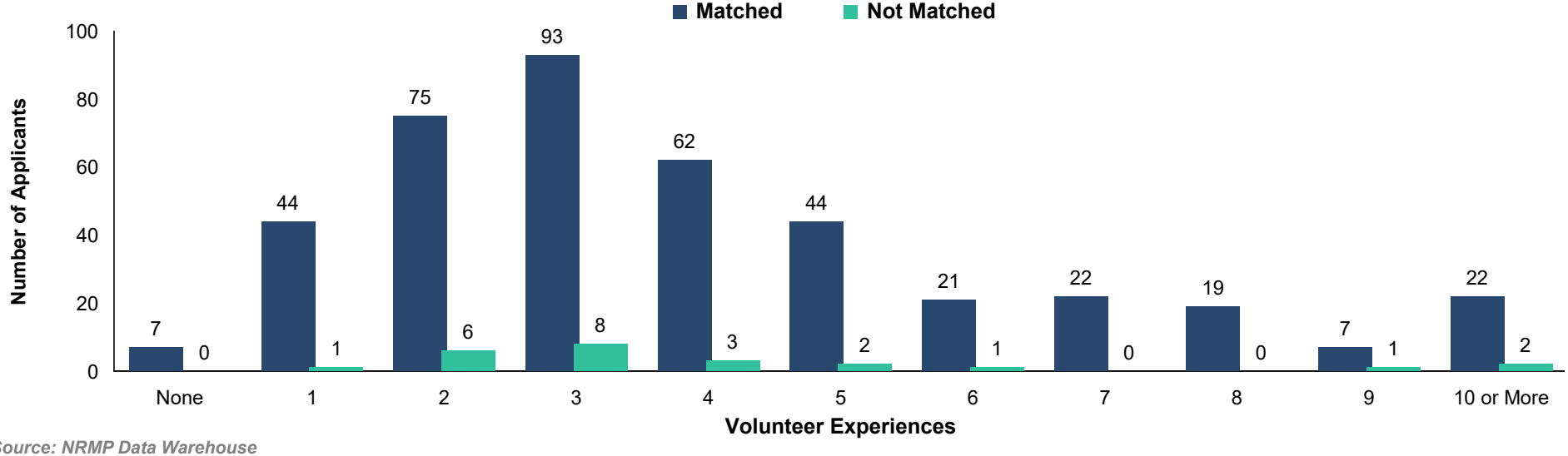


Chart N-8

Number of Volunteer Experiences of U.S. MD Seniors

Neurology

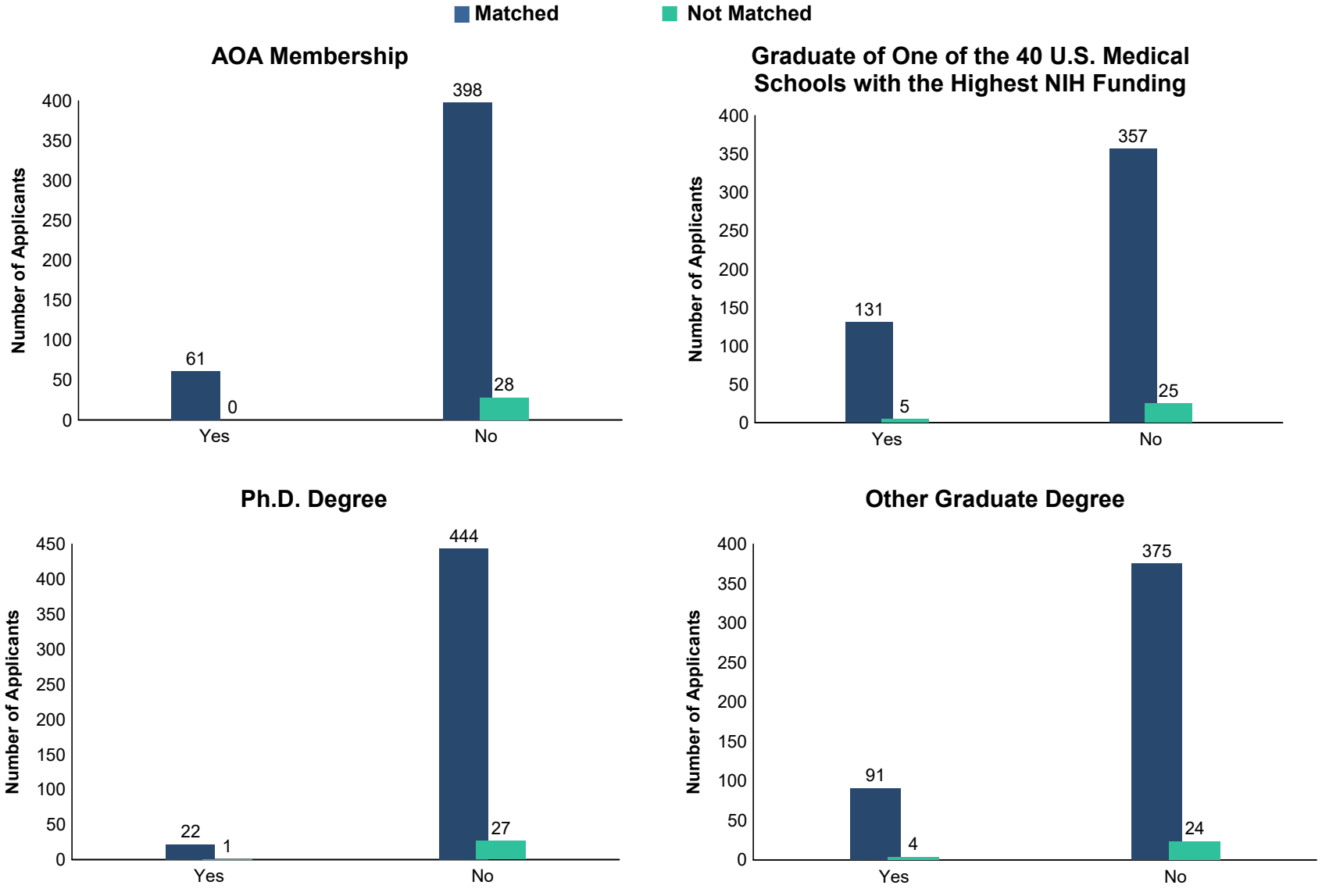


Source: NRMP Data Warehouse

Chart N-9

Other Characteristics of U.S. MD Seniors

Neurology



Source: NRMP Data Warehouse. Top 40 U.S. medical schools with the highest NIH funding from NIH: http://report.nih.gov/award/index.cfm

OB Obstetrics and Gynecology

Table OB-1

Summary Statistics on U.S. MD Seniors

Obstetrics and Gynecology

Measure	Matched (n=925)	Unmatched (n=149)
1. Mean number of contiguous ranks	12.3	7.2
2. Mean number of distinct specialties ranked	1.1	1.3
3. Mean USMLE Step 1 score*	227	220
4. Mean USMLE Step 2 score	252	244
5. Mean number of research experiences	3.8	3.3
6. Mean number of abstracts, presentations, and publications	9.0	6.8
7. Mean number of work experiences	2.0	2.1
8. Mean number of volunteer experiences	5.0	5.0
9. Percentage who are AOA members	22.1	9.4
10. Percentage who graduated from one of the 40 U.S. medical schools with the highest NIH funding	28.5	22.8
11. Percentage who have Ph.D. degree	1.4	4.3
12. Percentage who have another graduate degree	22.2	24.6

Note: Only U.S. MD seniors who gave consent to use their information in research are included.
*Only applicants who indicated completion of the USMLE Step 1 exam prior to the transition to pass/fail (i.e., prior to January 26, 2022) had the option to self-report their Step 1 numeric score. In 2024, only 2,143 U.S. MD seniors self-reported Step 1 numeric scores.
Sources. NRMP Data Warehouse; Top 40 U.S. medical schools with the highest NIH funding in measure 10 is from the NIH website (http://report.nih.gov/award/index.cfm).

Chart OB-1

Number of Distinct Specialties Ranked by U.S. MD Seniors

Obstetrics and Gynecology

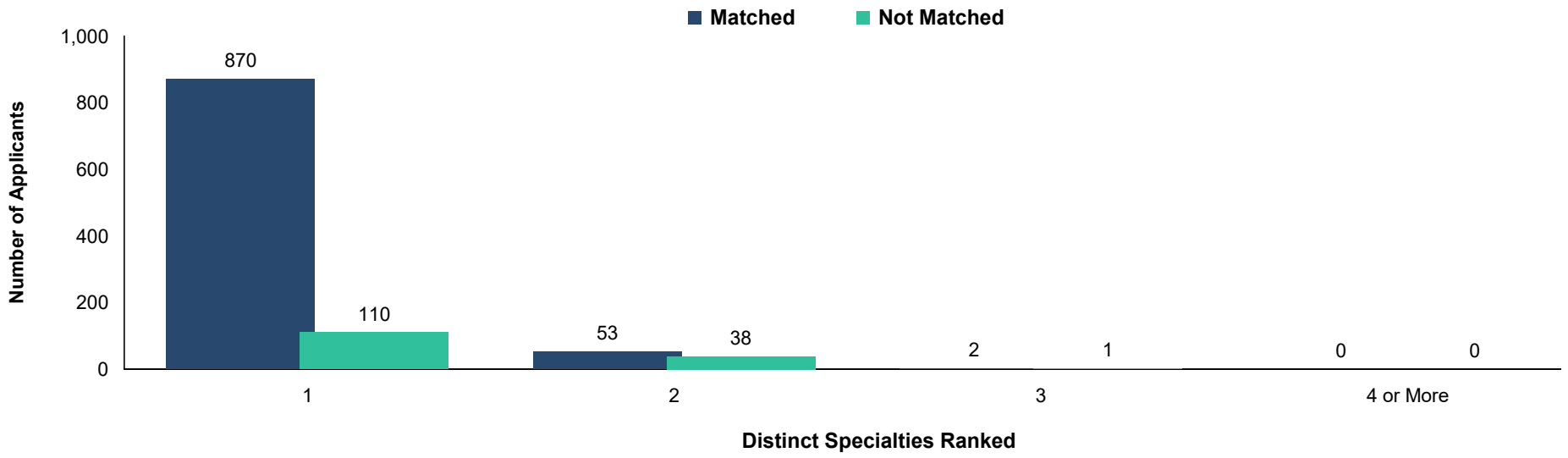
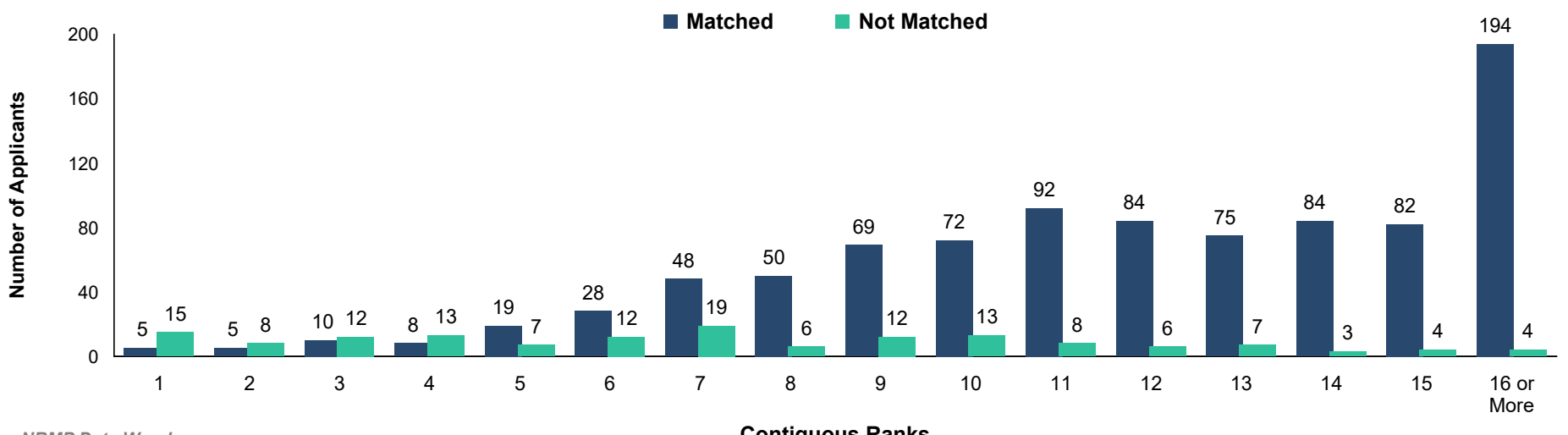


Chart OB-2

Number of Contiguous Ranks of U.S. MD Seniors

Obstetrics and Gynecology

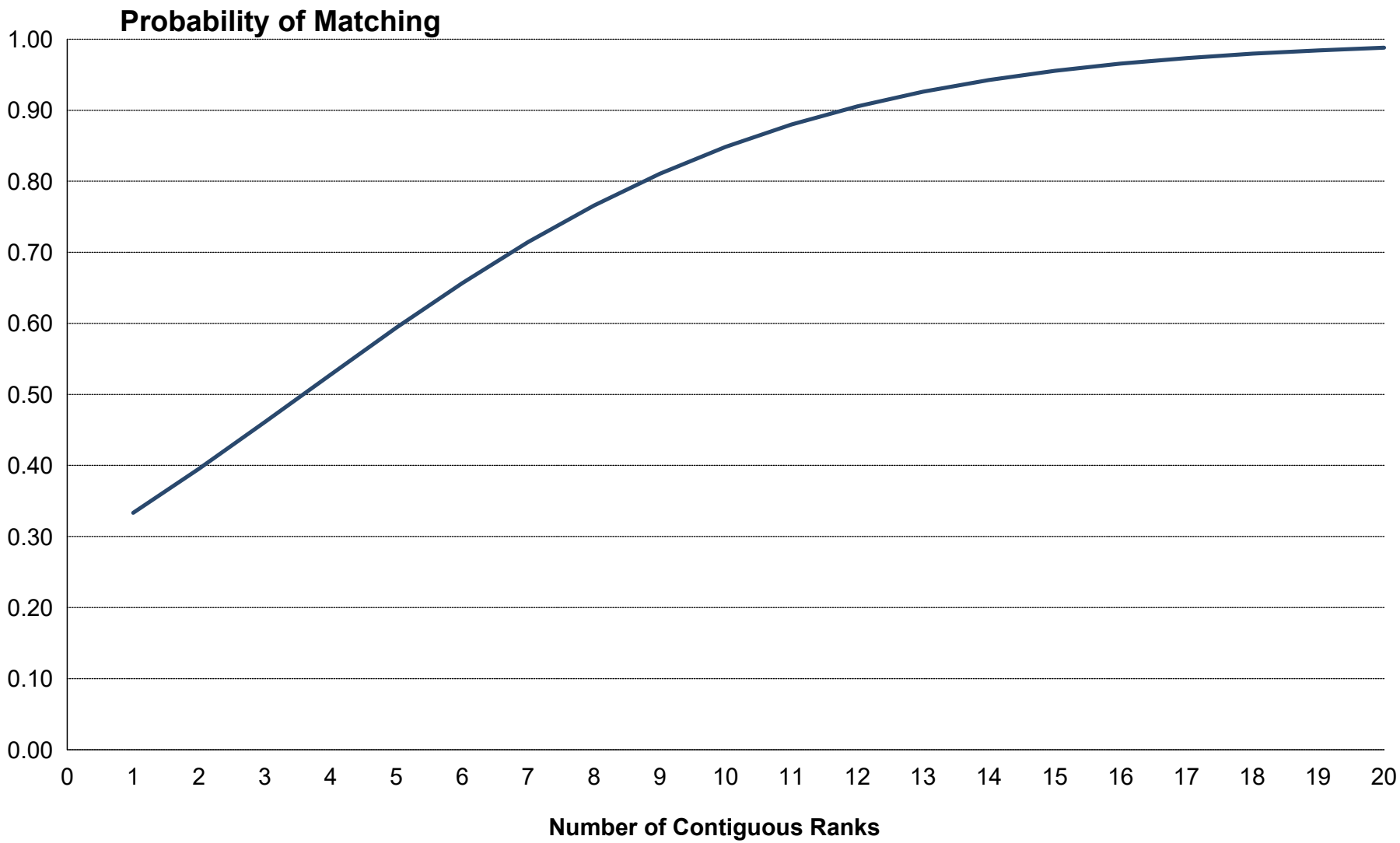


Source: NRMP Data Warehouse

Graph OB-1

Probability of U.S. MD Seniors Matching to Preferred Specialty by Number of Contiguous Ranks

Obstetrics and Gynecology



Source: NRMP Data Warehouse. Note: Probabilities calculated based on 2022-2024 applicants

Chart OB-3

USMLE Step 1 Scores of U.S. MD Seniors

Obstetrics and Gynecology

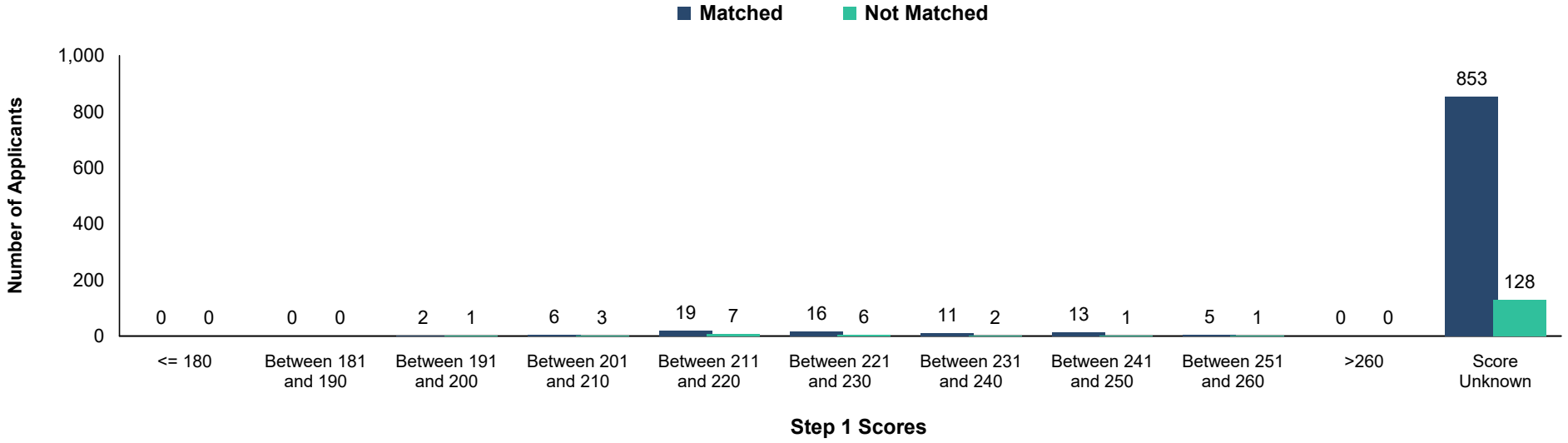
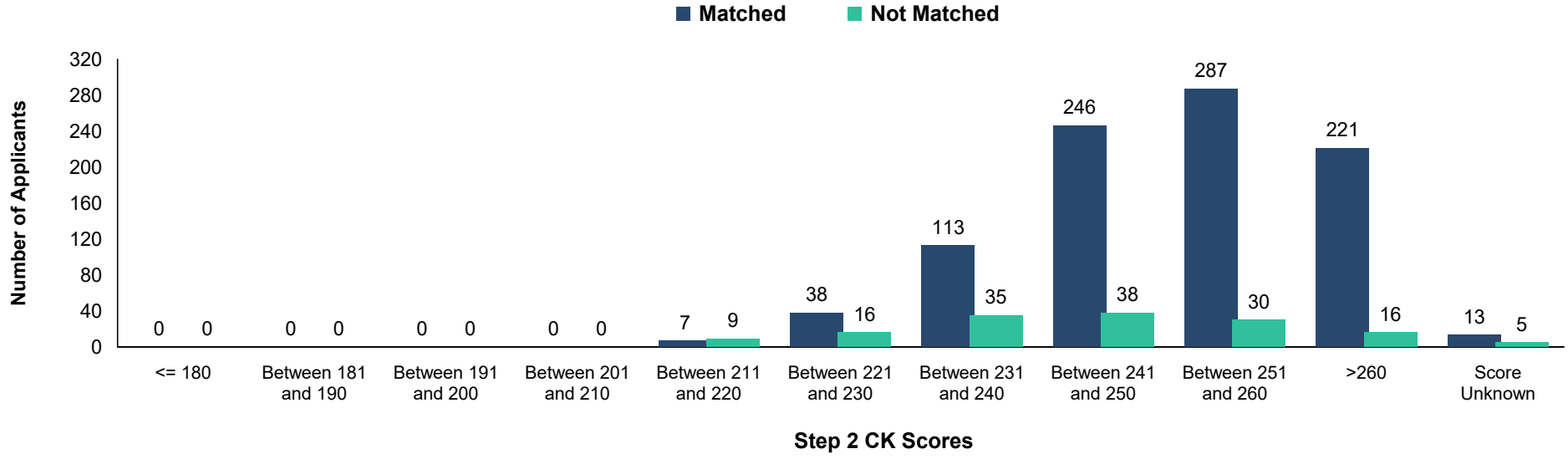


Chart OB-4

USMLE Step 2 CK Scores of U.S. MD Seniors

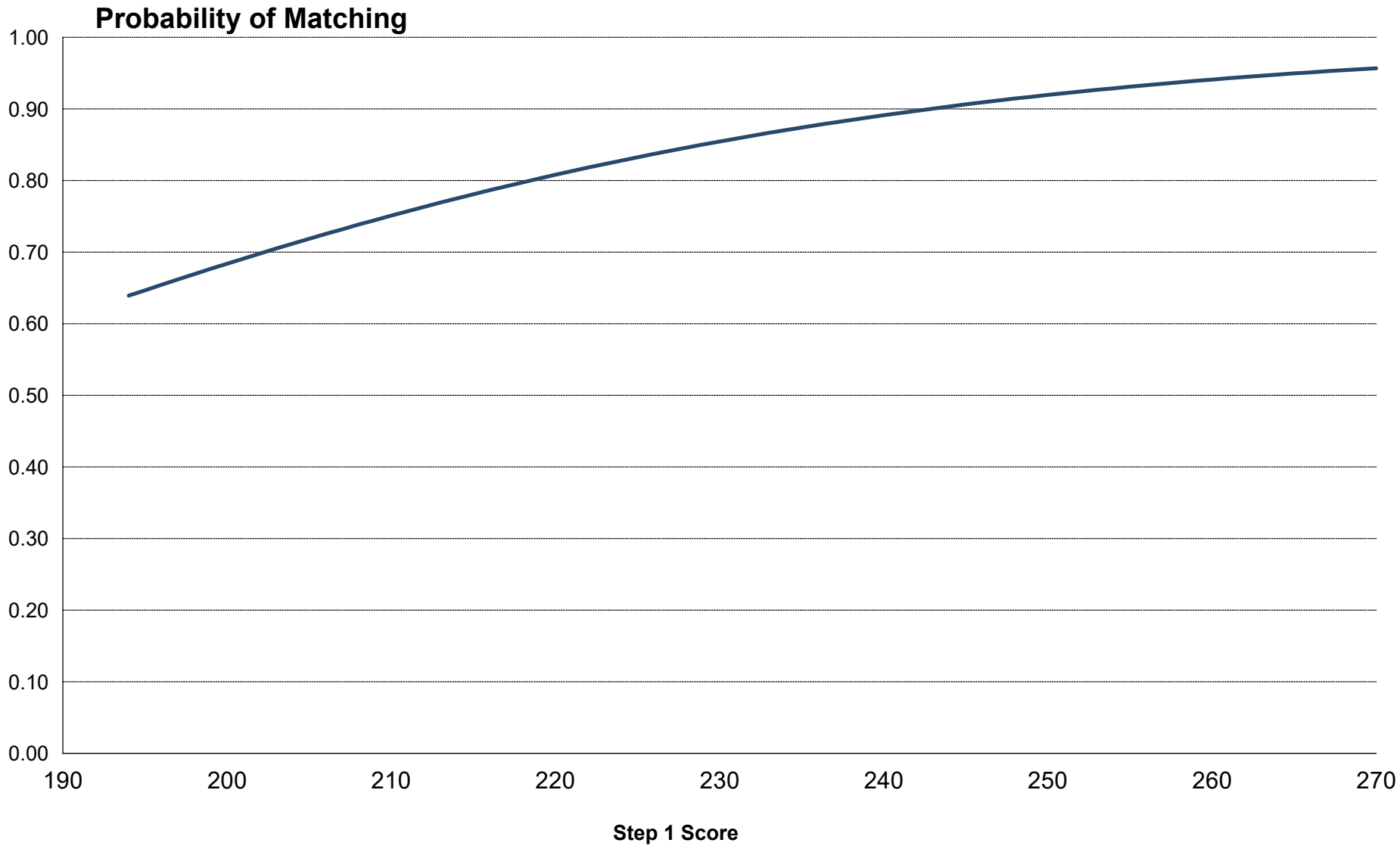
Obstetrics and Gynecology



Graph OB-2

Probability of U.S. MD Seniors Matching to Preferred Specialty by USMLE Step 1 Score

Obstetrics and Gynecology

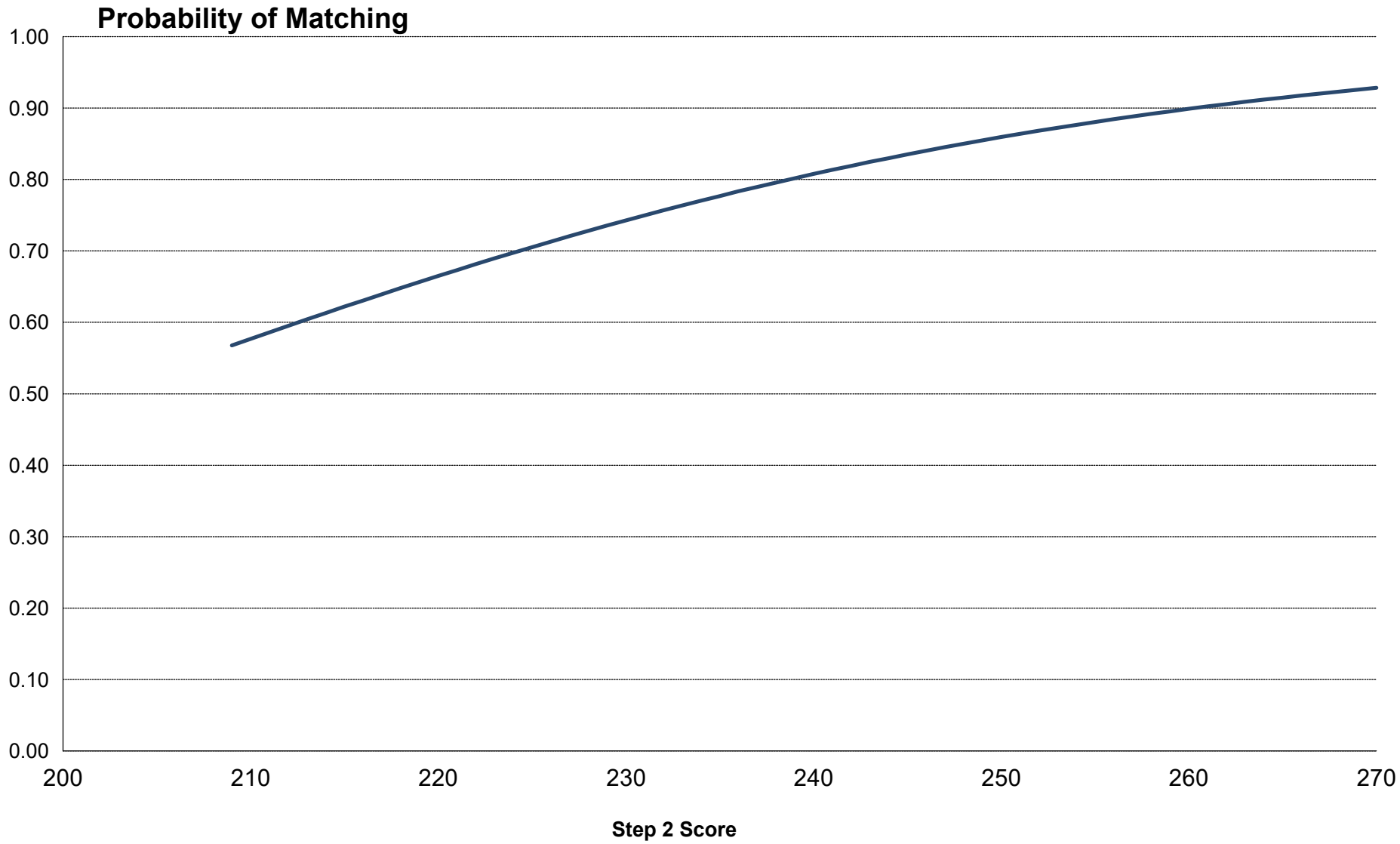


Source: NRMP Data Warehouse. Note: Probabilities calculated based on 2022-2024 applicants.

Graph OB-3

Probability of U.S. MD Seniors Matching to Preferred Specialty by USMLE Step 2 Score

Obstetrics and Gynecology



Source: NRMP Data Warehouse. Note: Probabilities calculated based on 2022-2024 applicants.

Chart OB-5

Number of Research Projects of U.S. MD Seniors

Obstetrics and Gynecology

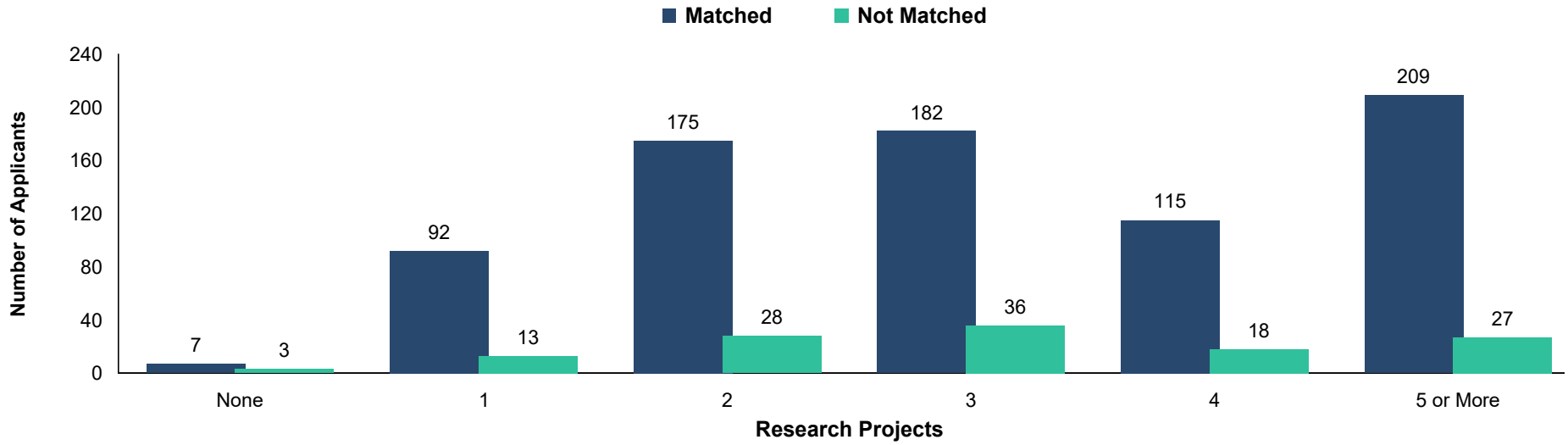
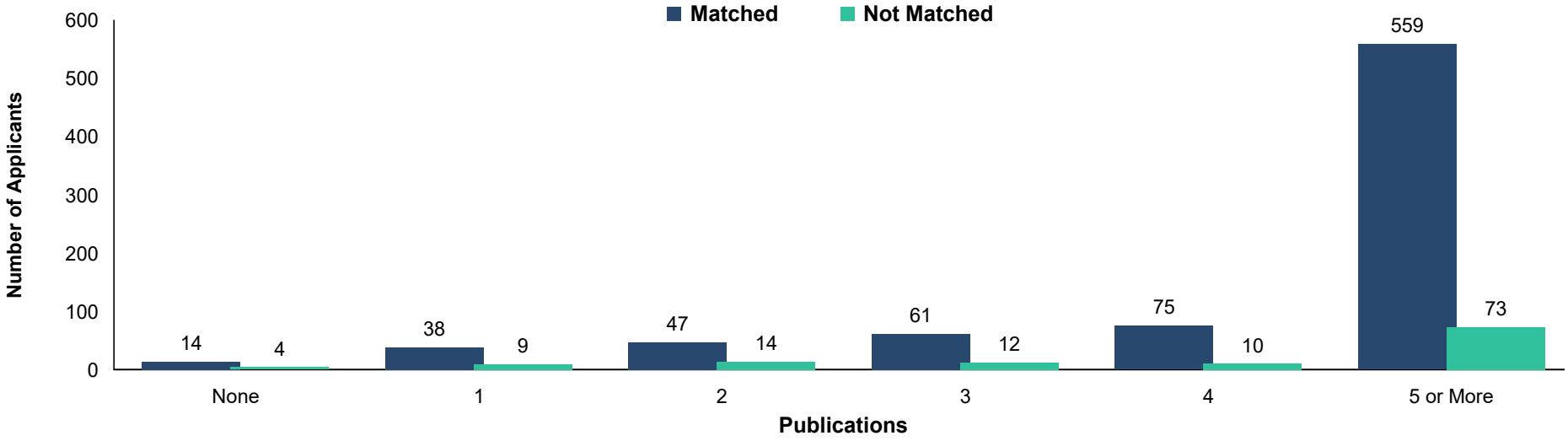


Chart OB-6

Number of Abstracts, Presentations, and Publications of U.S. MD Seniors

Obstetrics and Gynecology



Source: NRMP Data Warehouse

Chart OB-7

Number of Work Experiences of U.S. MD Seniors

Obstetrics and Gynecology

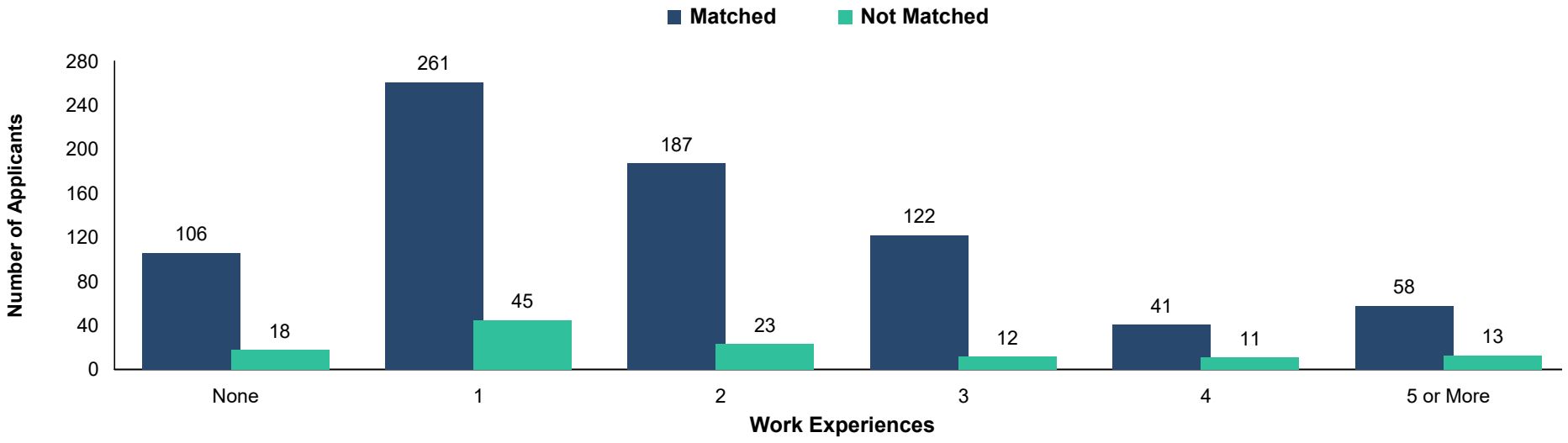
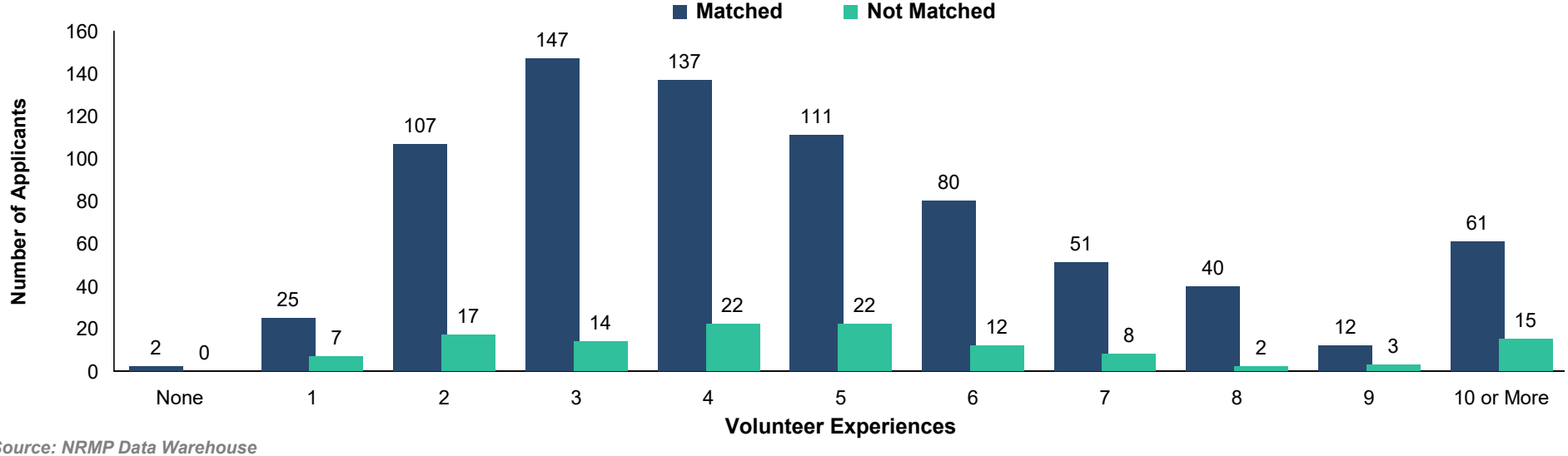


Chart OB-8

Number of Volunteer Experiences of U.S. MD Seniors

Obstetrics and Gynecology

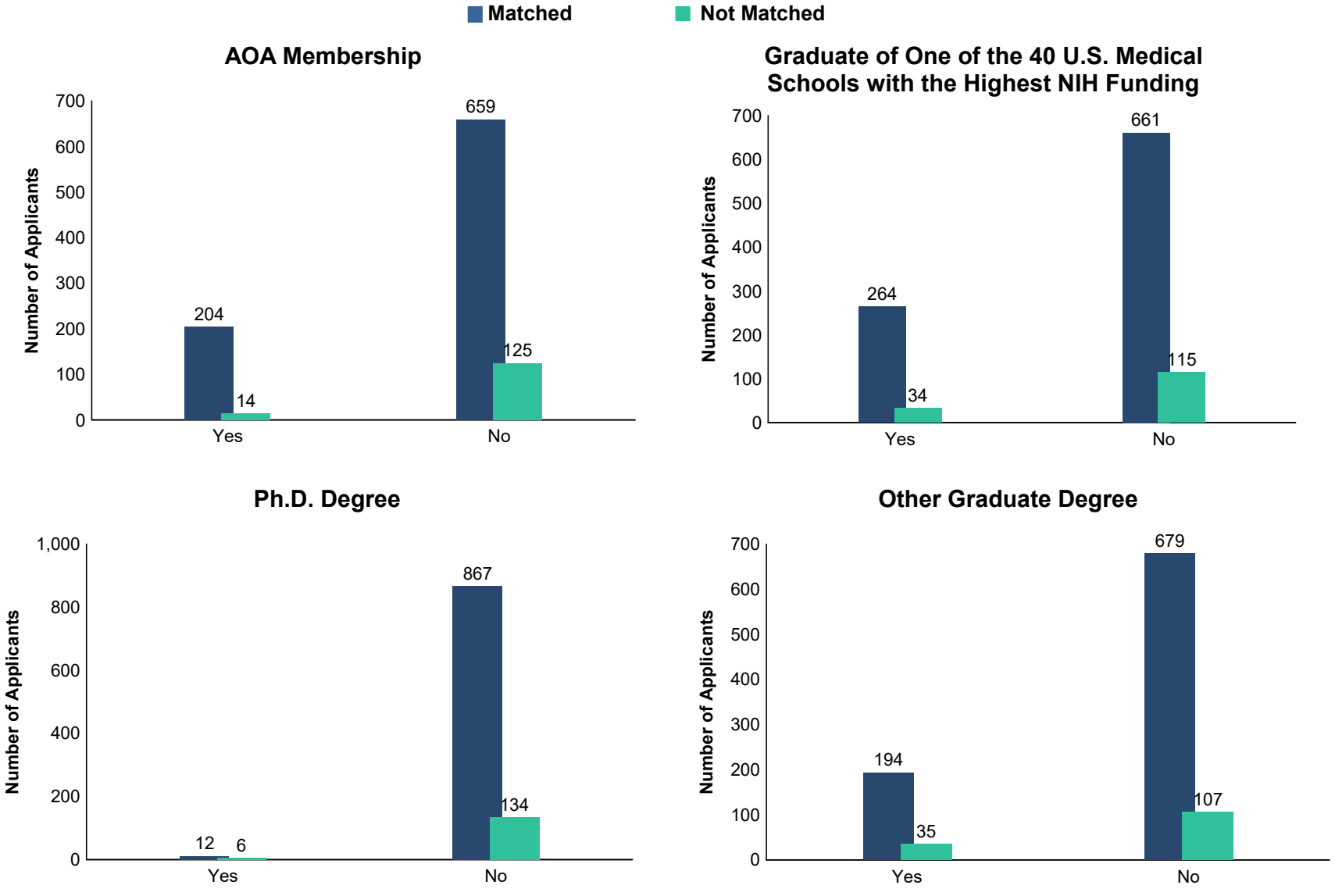


Source: NRMP Data Warehouse

Chart OB-9

Other Characteristics of U.S. MD Seniors

Obstetrics and Gynecology



Source: NRMP Data Warehouse. Top 40 U.S. medical schools with the highest NIH funding from NIH: http://report.nih.gov/award/index.cfm

ORS Orthopaedic Surgery

Table ORS-1 Summary Statistics on U.S. MD Seniors
Orthopaedic Surgery

Measure	Matched (n=587)	Unmatched (n=203)
1. Mean number of contiguous ranks	11.8	6.3
2. Mean number of distinct specialties ranked	1.1	1.2
3. Mean USMLE Step 1 score*	244	234
4. Mean USMLE Step 2 score	257	246
5. Mean number of research experiences	8.1	8.0
6. Mean number of abstracts, presentations, and publications	23.8	18.0
7. Mean number of work experiences	2.5	2.4
8. Mean number of volunteer experiences	4.8	4.8
9. Percentage who are AOA members	34.2	15.8
10. Percentage who graduated from one of the 40 U.S. medical schools with the highest NIH funding	33.0	20.7
11. Percentage who have Ph.D. degree	1.3	3.2
12. Percentage who have another graduate degree	18.2	24.7

Note: Only U.S. MD seniors who gave consent to use their information in research are included.
*Only applicants who indicated completion of the USMLE Step 1 exam prior to the transition to pass/fail (i.e., prior to January 26, 2022) had the option to self-report their Step 1 numeric score. In 2024, only 2,143 U.S. MD seniors self-reported Step 1 numeric scores.
Sources. NRMP Data Warehouse; Top 40 U.S. medical schools with the highest NIH funding in measure 10 is from the NIH website (http://report.nih.gov/award/index.cfm).

Chart ORS-1

Number of Distinct Specialties Ranked by U.S. MD Seniors

Orthopaedic Surgery

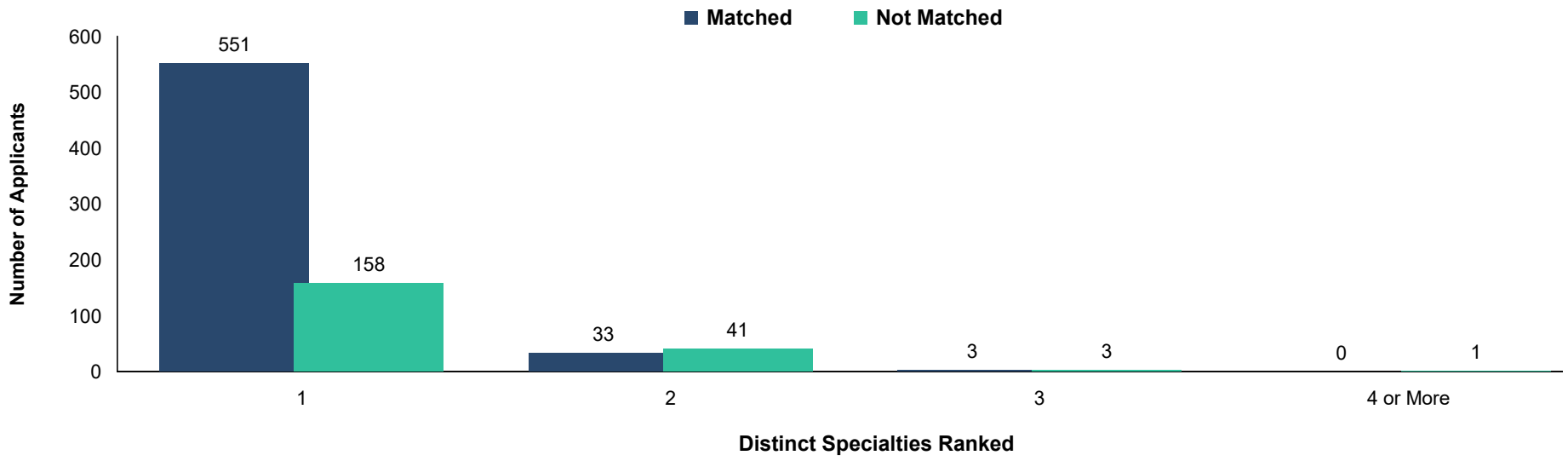
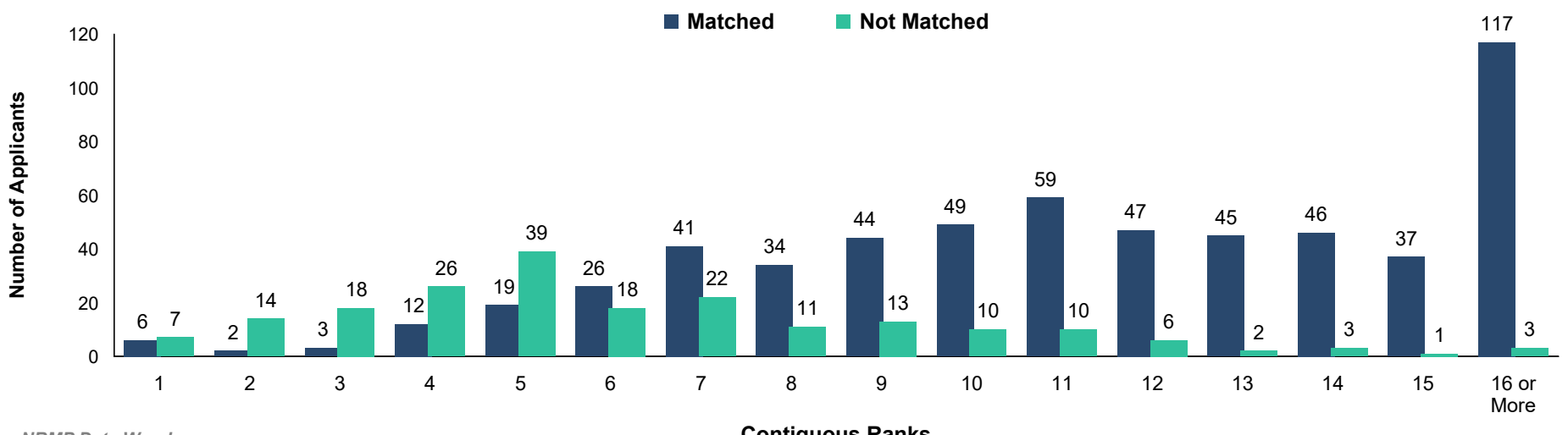


Chart ORS-2

Number of Contiguous Ranks of U.S. MD Seniors

Orthopaedic Surgery

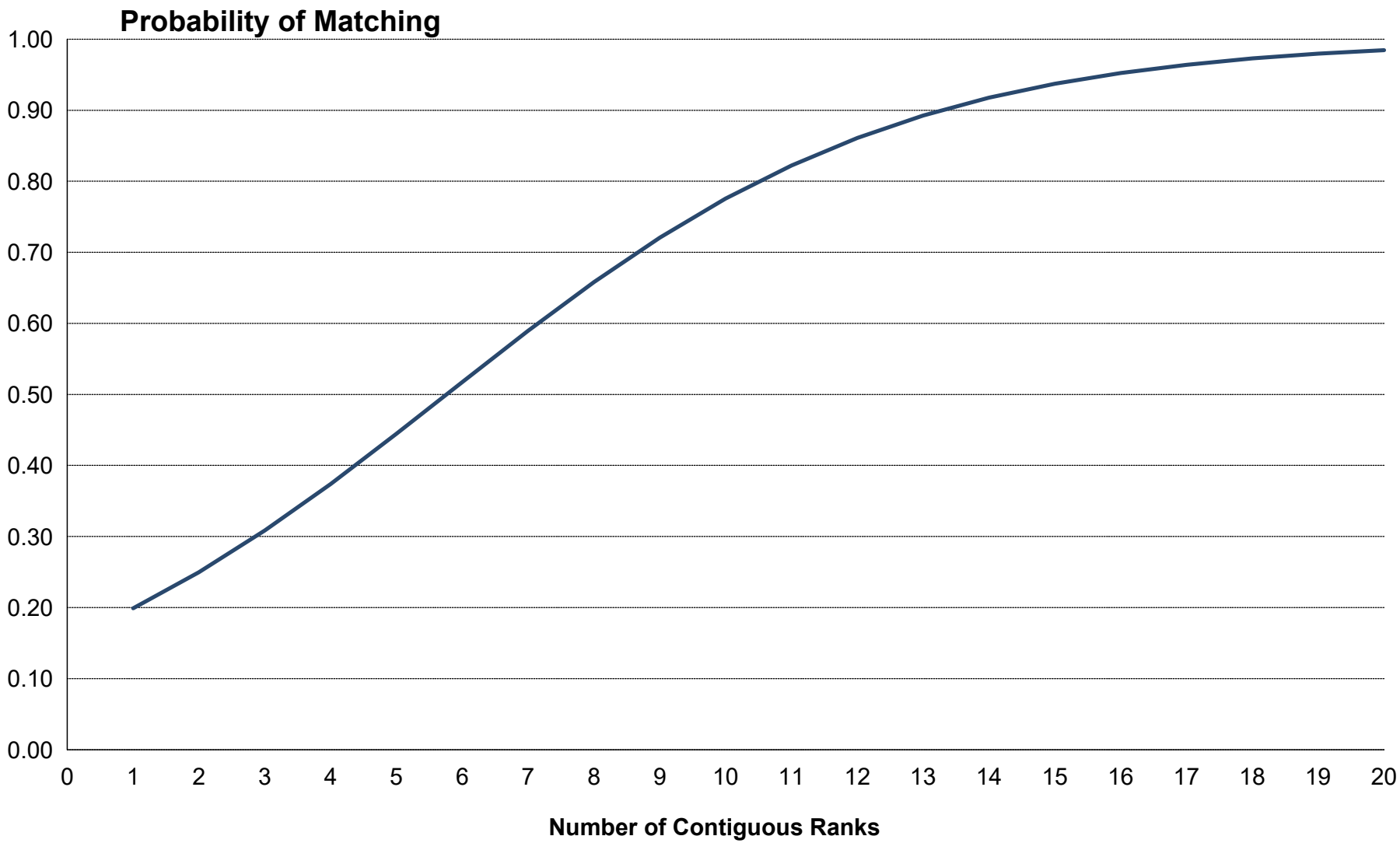


Source: NRMP Data Warehouse

Graph ORS-1

Probability of U.S. MD Seniors Matching to Preferred Specialty by Number of Contiguous Ranks

Orthopaedic Surgery



Source: NRMP Data Warehouse. Note: Probabilities calculated based on 2022-2024 applicants

Chart ORS-3

USMLE Step 1 Scores of U.S. MD Seniors

Orthopaedic Surgery

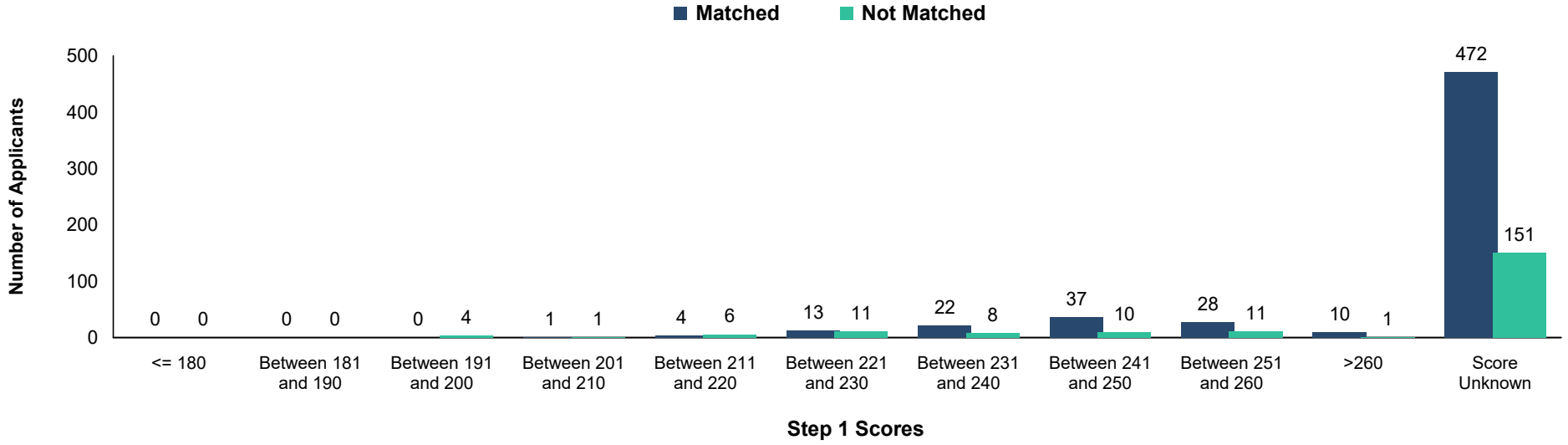
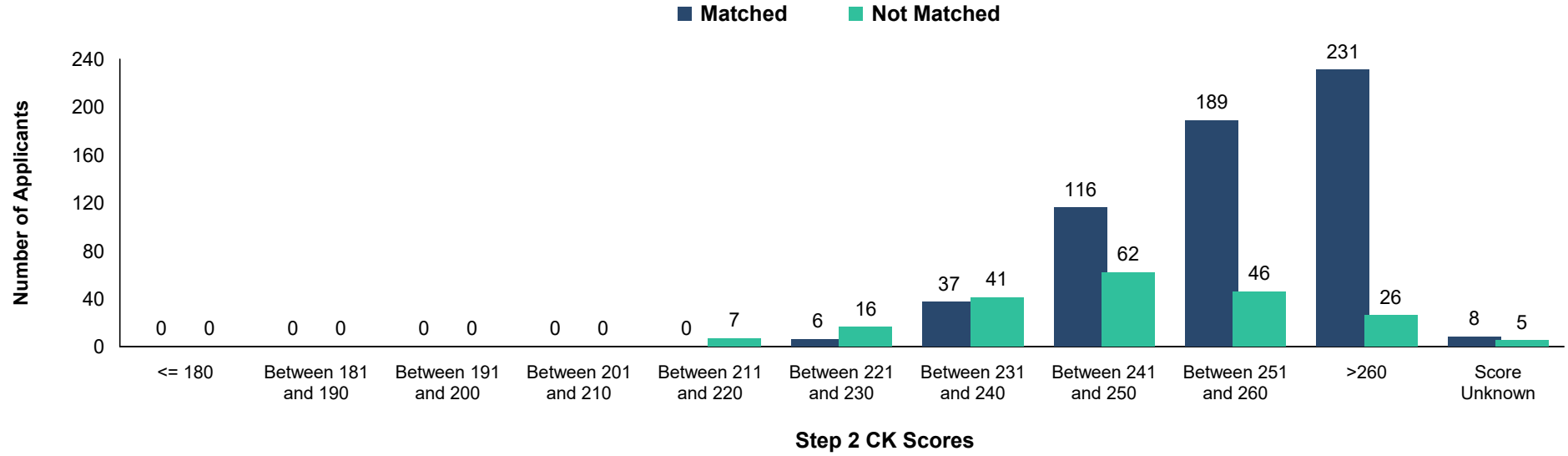


Chart ORS-4

USMLE Step 2 CK Scores of U.S. MD Seniors

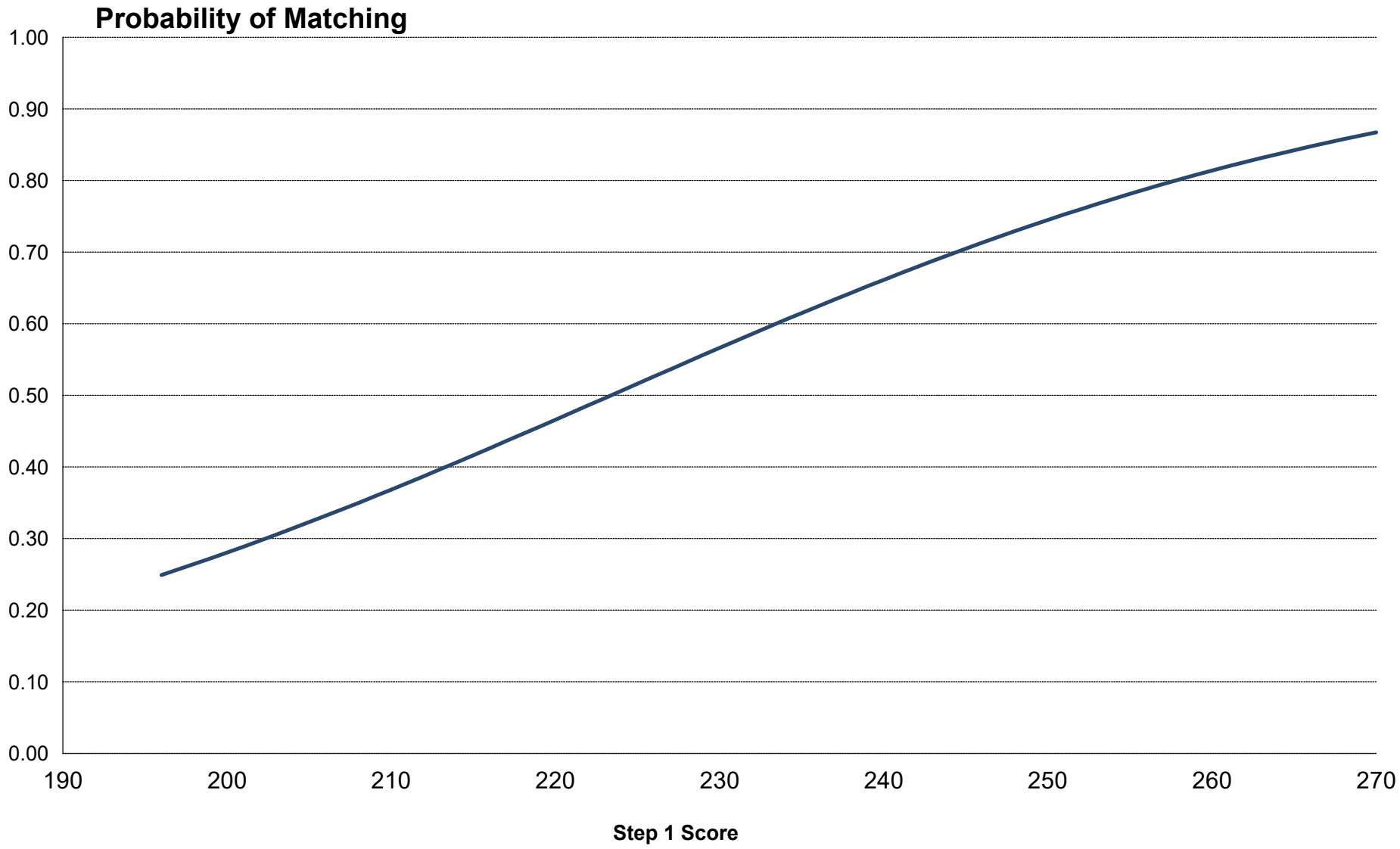
Orthopaedic Surgery



Graph ORS-2

Probability of U.S. MD Seniors Matching to Preferred Specialty by USMLE Step 1 Score

Orthopaedic Surgery

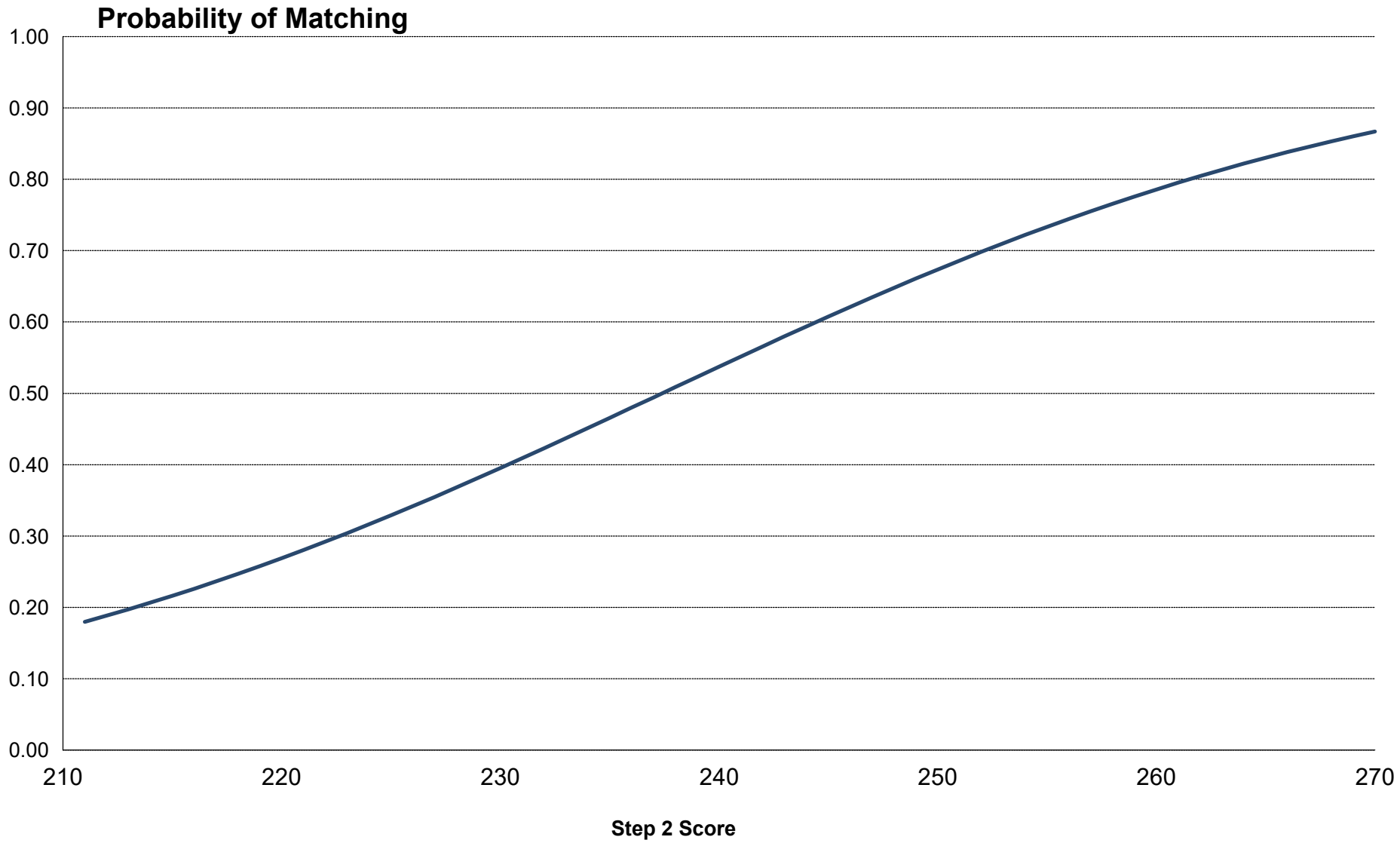


Source: NRMP Data Warehouse. Note: Probabilities calculated based on 2022-2024 applicants.

Graph ORS-3

Probability of U.S. MD Seniors Matching to Preferred Specialty by USMLE Step 2 Score

Orthopaedic Surgery



Source: NRMP Data Warehouse. Note: Probabilities calculated based on 2022-2024 applicants.

Chart ORS-5

Number of Research Projects of U.S. MD Seniors

Orthopaedic Surgery

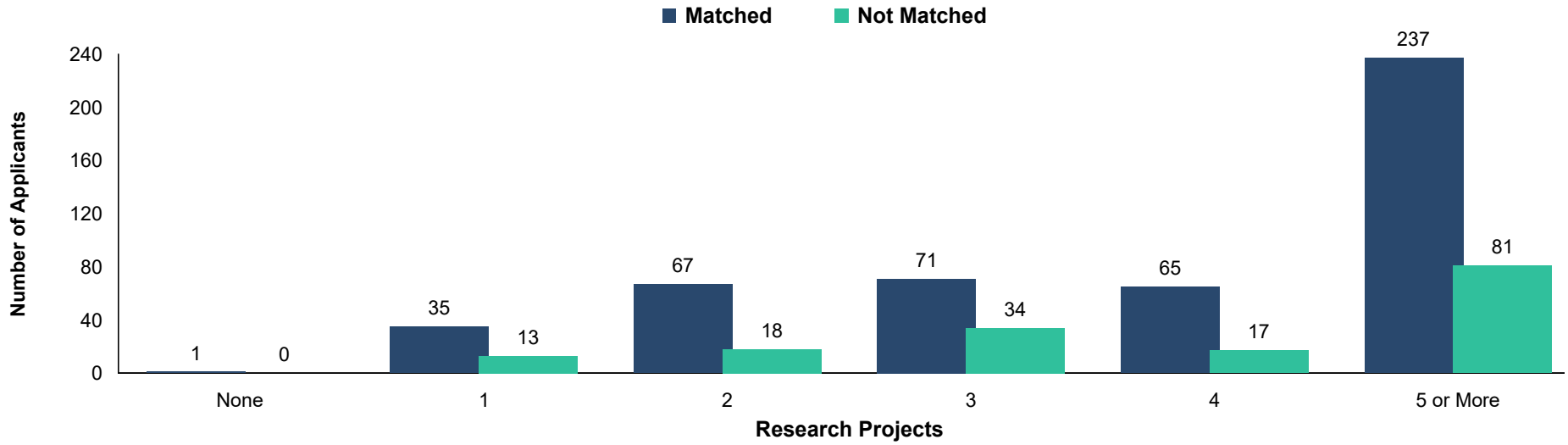
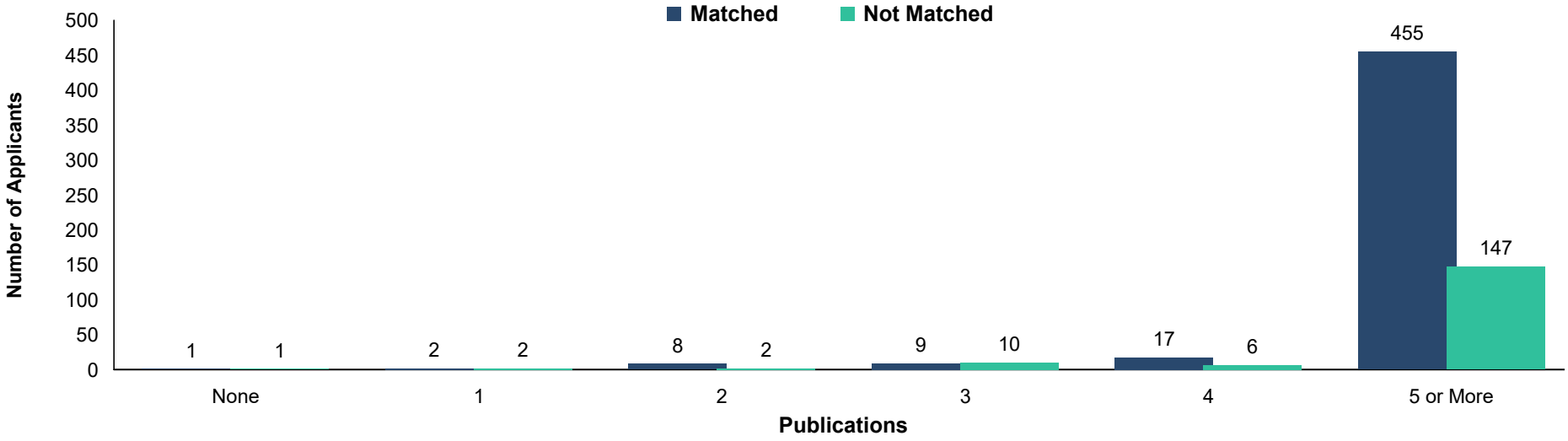


Chart ORS-6

Number of Abstracts, Presentations, and Publications of U.S. MD Seniors

Orthopaedic Surgery



Source: NRMP Data Warehouse

Chart ORS-7

Number of Work Experiences of U.S. MD Seniors

Orthopaedic Surgery

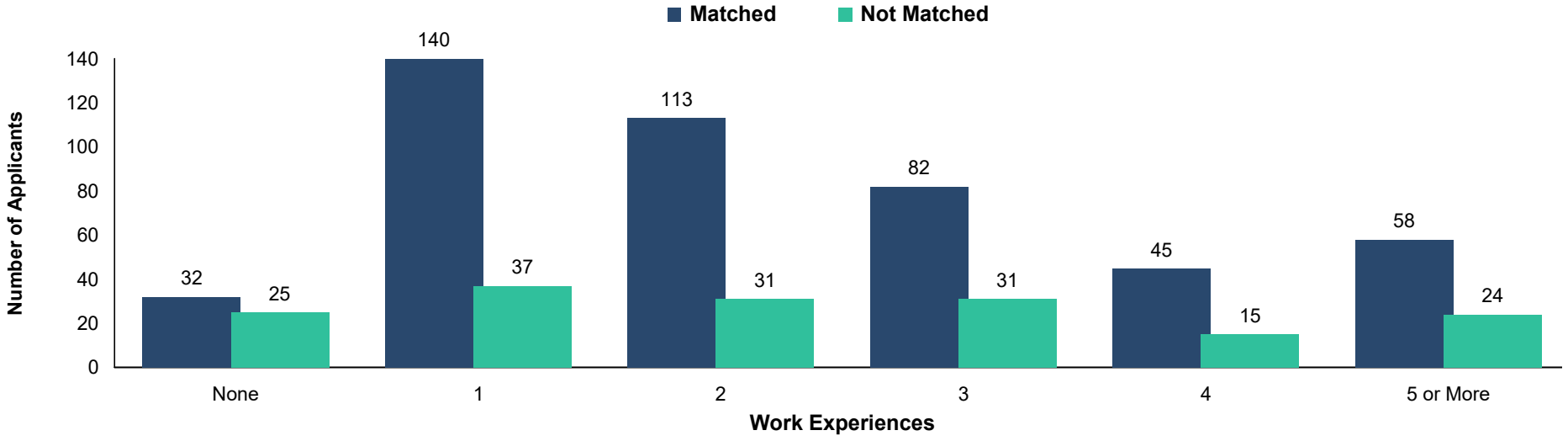
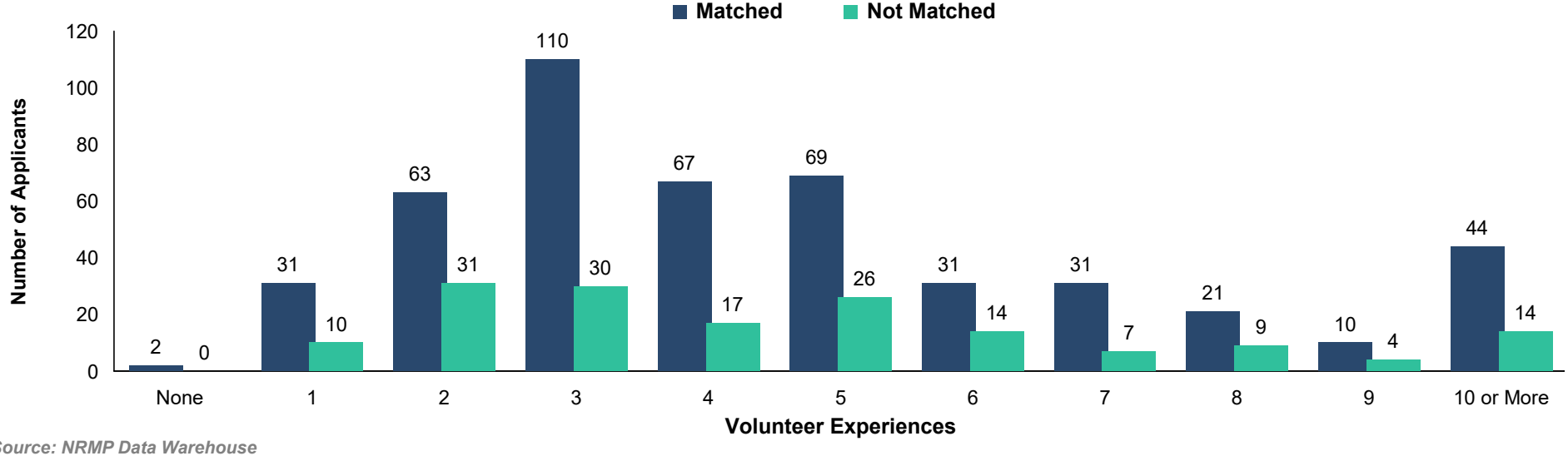


Chart ORS-8

Number of Volunteer Experiences of U.S. MD Seniors

Orthopaedic Surgery

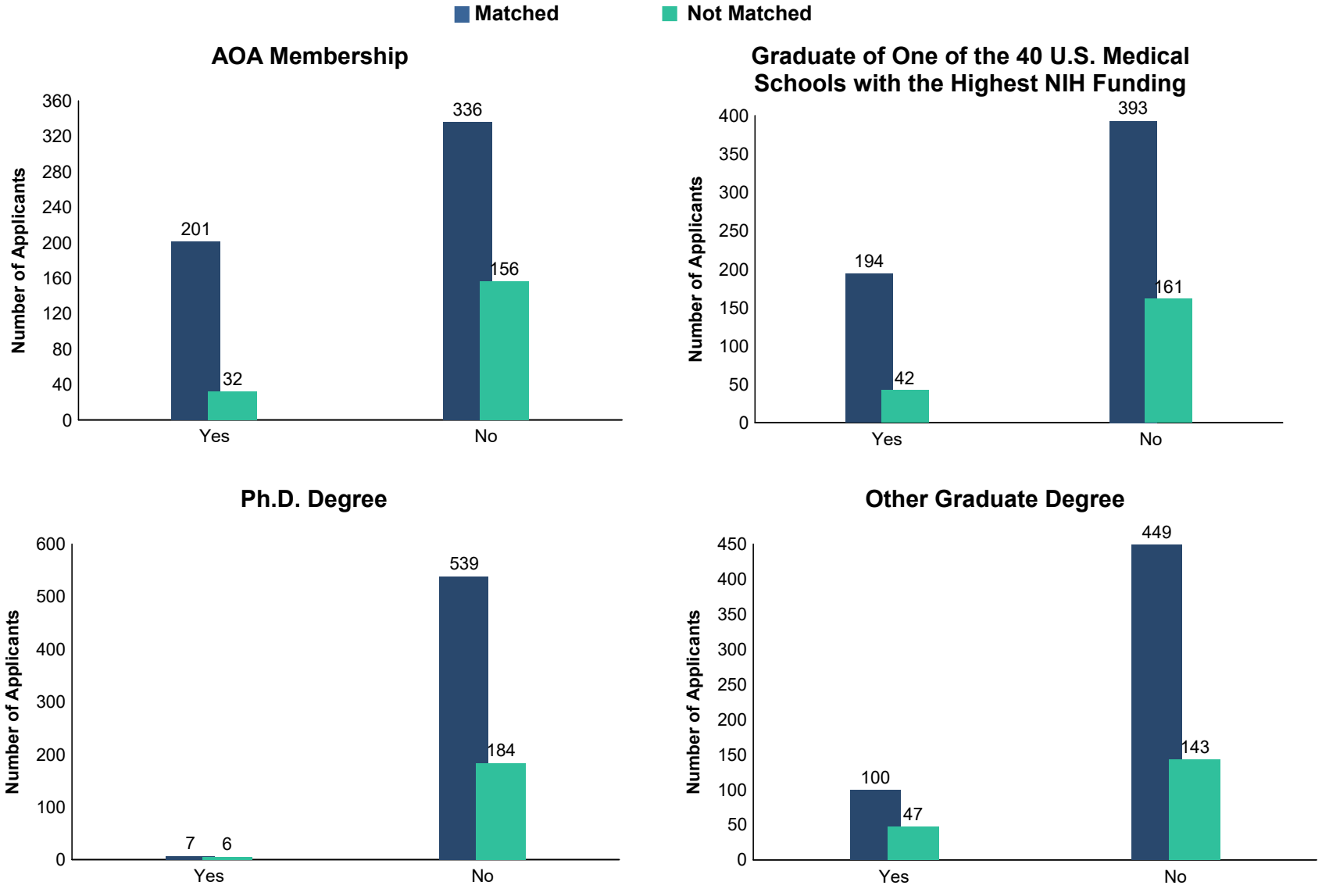


Source: NRMP Data Warehouse

Chart ORS-9

Other Characteristics of U.S. MD Seniors

Orthopaedic Surgery



Source: NRMP Data Warehouse. Top 40 U.S. medical schools with the highest NIH funding from NIH: http://report.nih.gov/award/index.cfm

OTO Otolaryngology

Table OTO-1 Summary Statistics on U.S. MD Seniors
Otolaryngology

Measure	Matched (n=268)	Unmatched (n=54)
1. Mean number of contiguous ranks	13.6	7.2
2. Mean number of distinct specialties ranked	1.2	1.3
3. Mean USMLE Step 1 score*	243	242
4. Mean USMLE Step 2 score	256	251
5. Mean number of research experiences	7.1	5.5
6. Mean number of abstracts, presentations, and publications	20.0	15.6
7. Mean number of work experiences	2.0	2.4
8. Mean number of volunteer experiences	4.3	6.7
9. Percentage who are AOA members	33.6	16.7
10. Percentage who graduated from one of the 40 U.S. medical schools with the highest NIH funding	36.6	27.8
11. Percentage who have Ph.D. degree	2.8	4.1
12. Percentage who have another graduate degree	17.9	24.5

Note: Only U.S. MD seniors who gave consent to use their information in research are included.
*Only applicants who indicated completion of the USMLE Step 1 exam prior to the transition to pass/fail (i.e., prior to January 26, 2022) had the option to self-report their Step 1 numeric score. In 2024, only 2,143 U.S. MD seniors self-reported Step 1 numeric scores.
Sources. NRMP Data Warehouse; Top 40 U.S. medical schools with the highest NIH funding in measure 10 is from the NIH website (http://report.nih.gov/award/index.cfm).

Chart OTO-1

Number of Distinct Specialties Ranked by U.S. MD Seniors

Otolaryngology

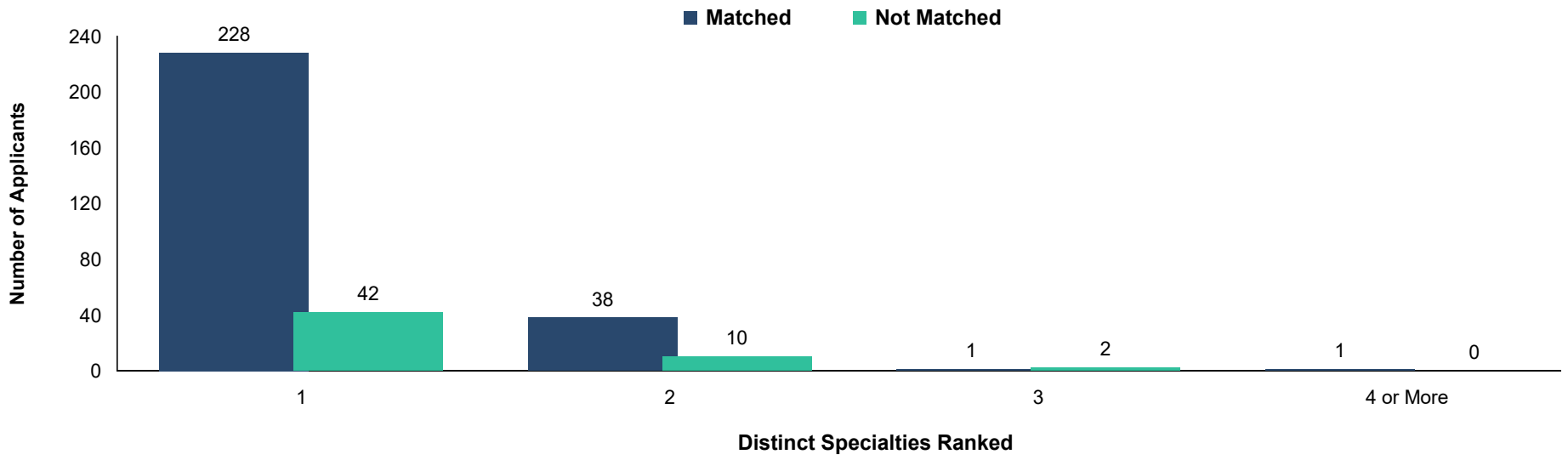
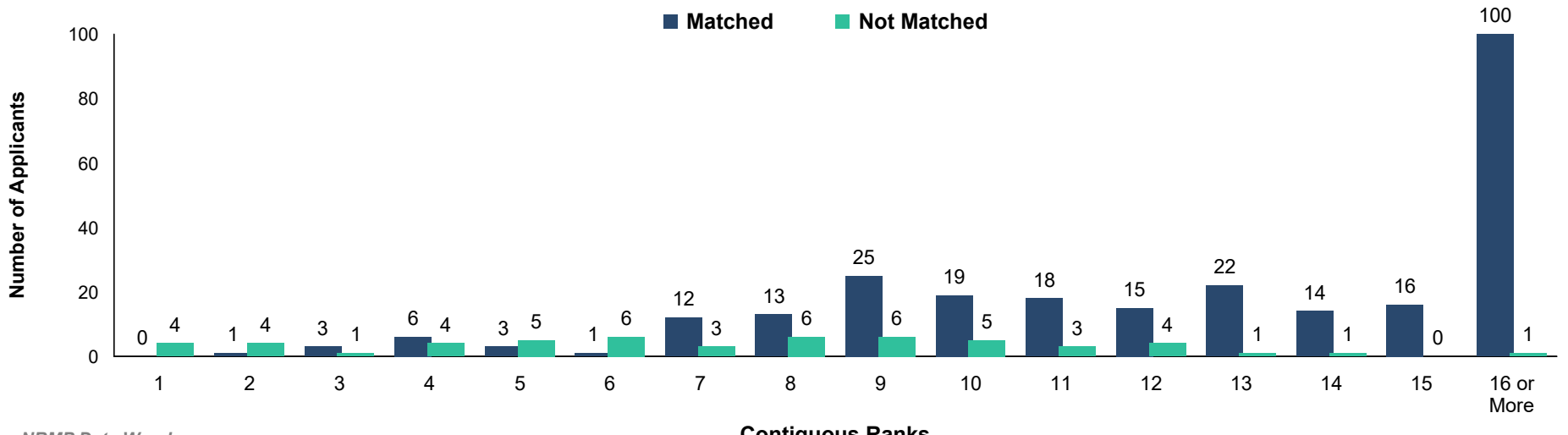


Chart OTO-2

Number of Contiguous Ranks of U.S. MD Seniors

Otolaryngology

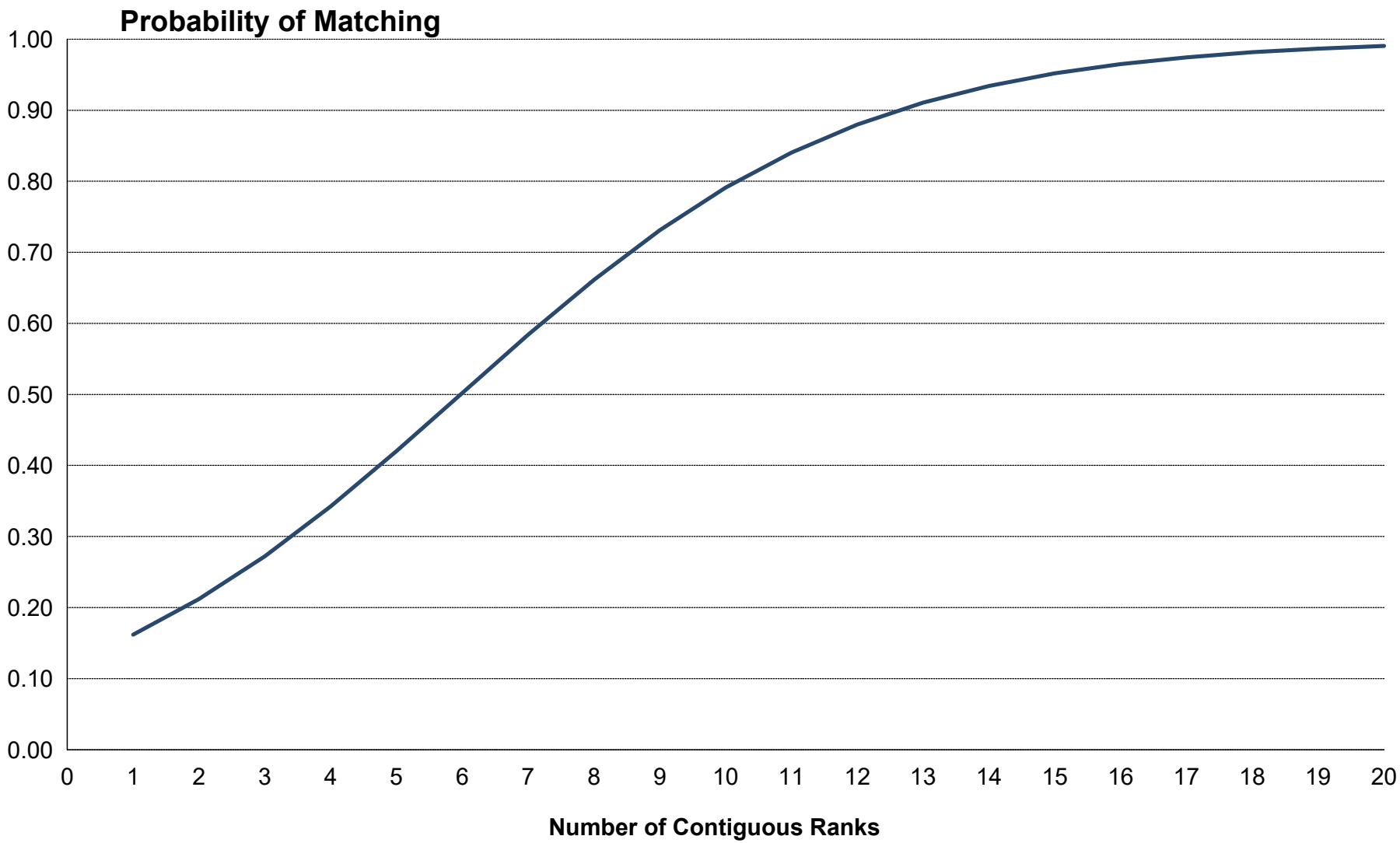


Source: NRMP Data Warehouse

Graph OTO-1

Probability of U.S. MD Seniors Matching to Preferred Specialty by Number of Contiguous Ranks

Otolaryngology



Source: NRMP Data Warehouse. Note: Probabilities calculated based on 2022-2024 applicants

Chart OTO-3

USMLE Step 1 Scores of U.S. MD Seniors

Otolaryngology

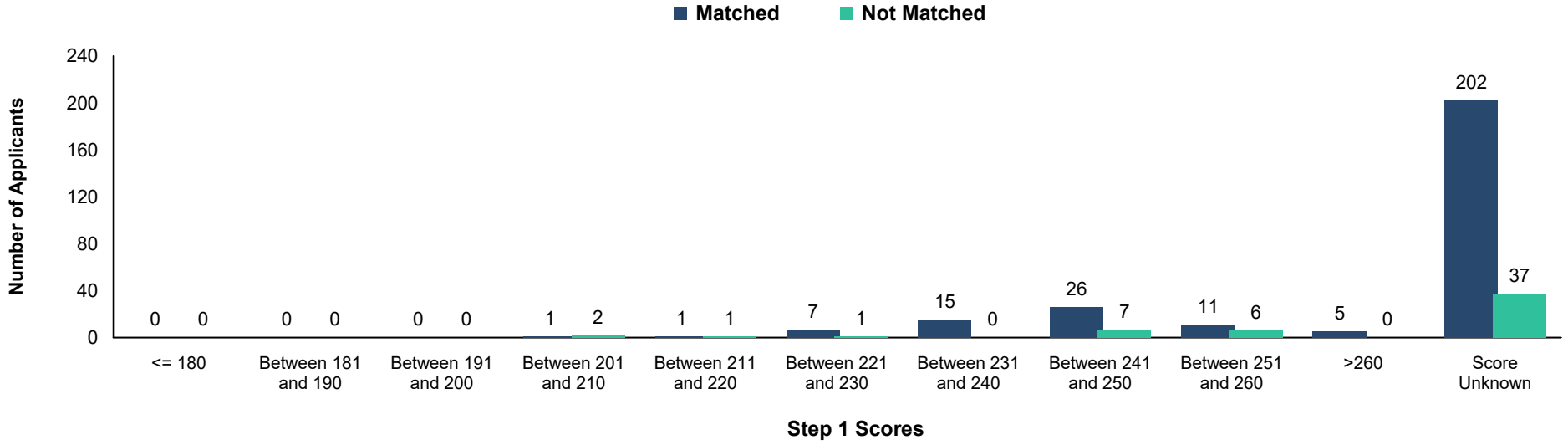
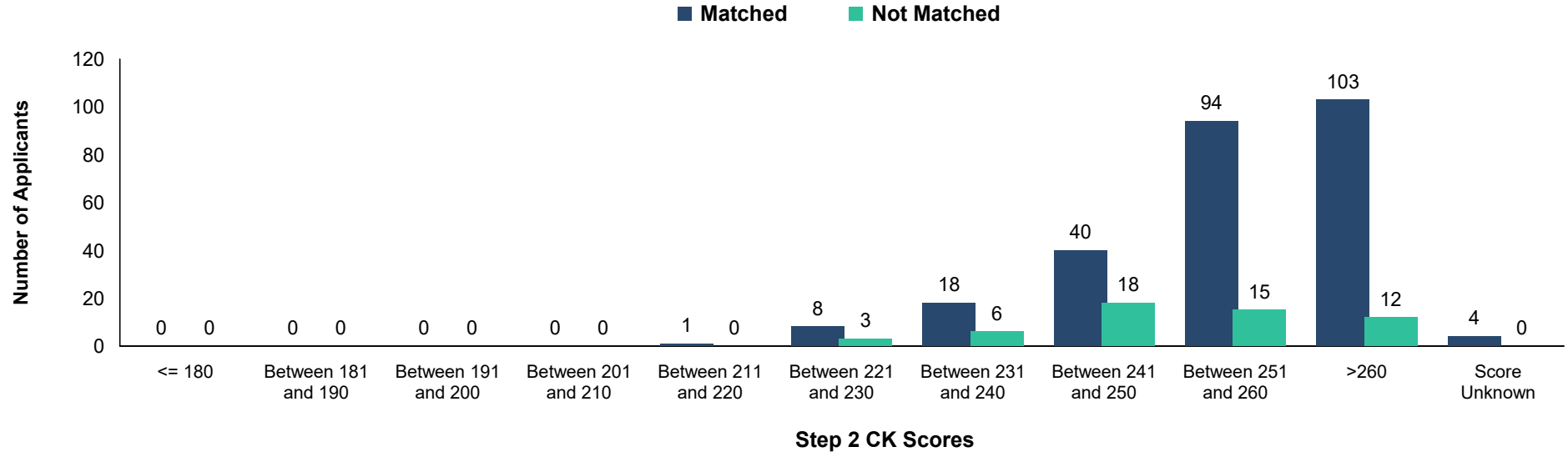


Chart OTO-4

USMLE Step 2 CK Scores of U.S. MD Seniors

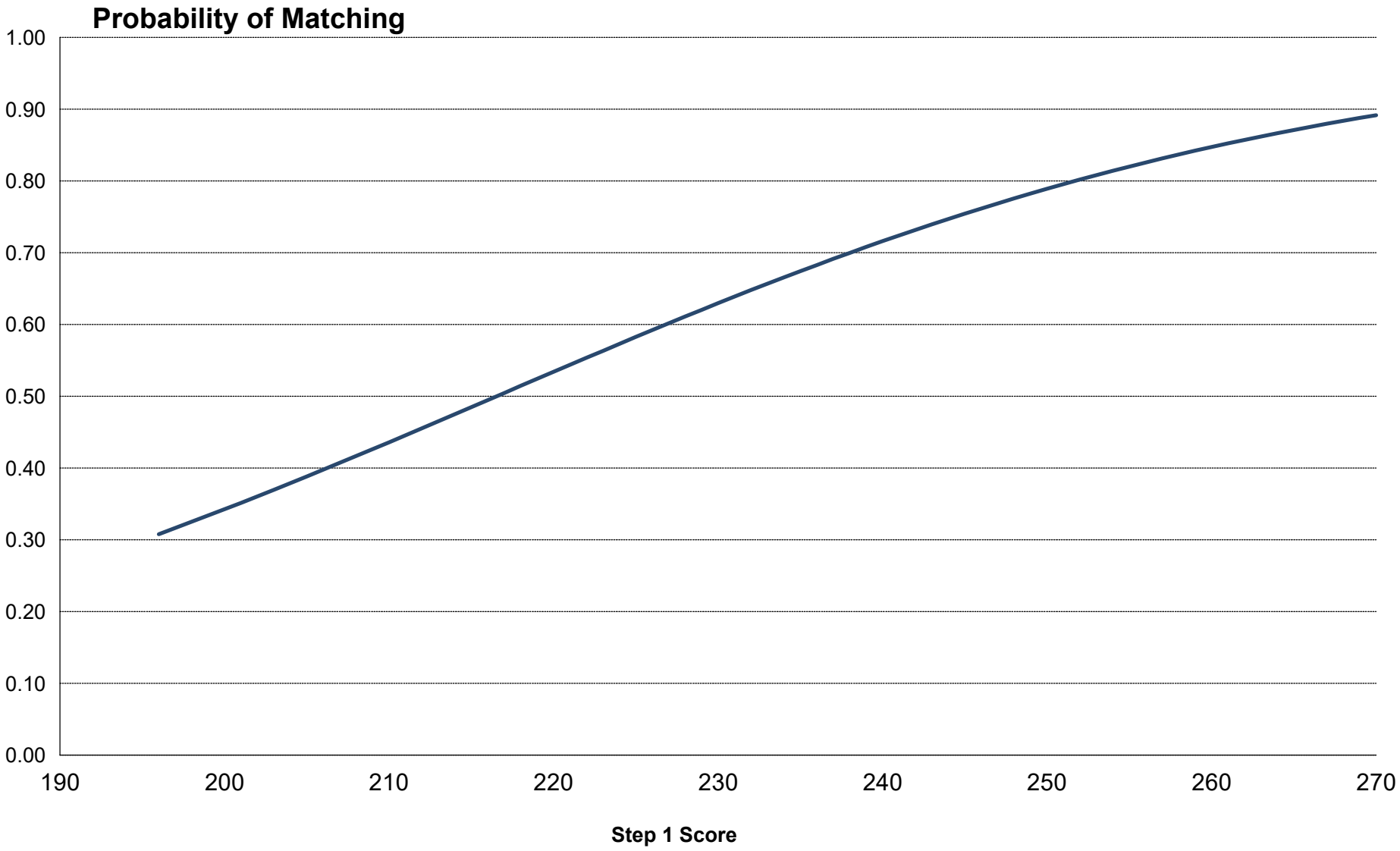
Otolaryngology



Graph OTO-2

Probability of U.S. MD Seniors Matching to Preferred Specialty by USMLE Step 1 Score

Otolaryngology

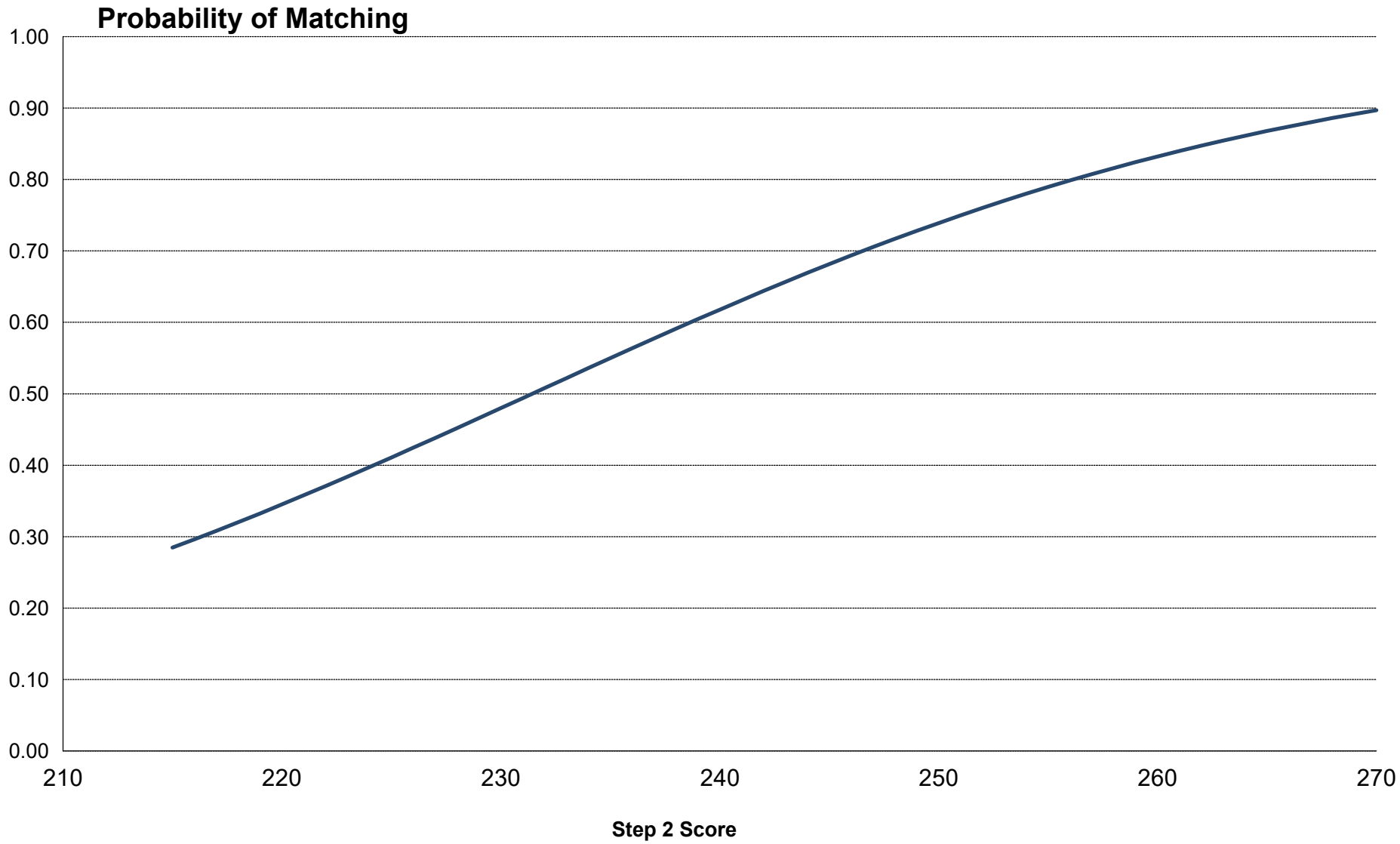


Source: NRMP Data Warehouse. Note: Probabilities calculated based on 2022-2024 applicants.

Graph OTO-3

Probability of U.S. MD Seniors Matching to Preferred Specialty by USMLE Step 2 Score

Otolaryngology



Source: NRMP Data Warehouse. Note: Probabilities calculated based on 2022-2024 applicants.

Chart OTO-5

Number of Research Projects of U.S. MD Seniors

Otolaryngology

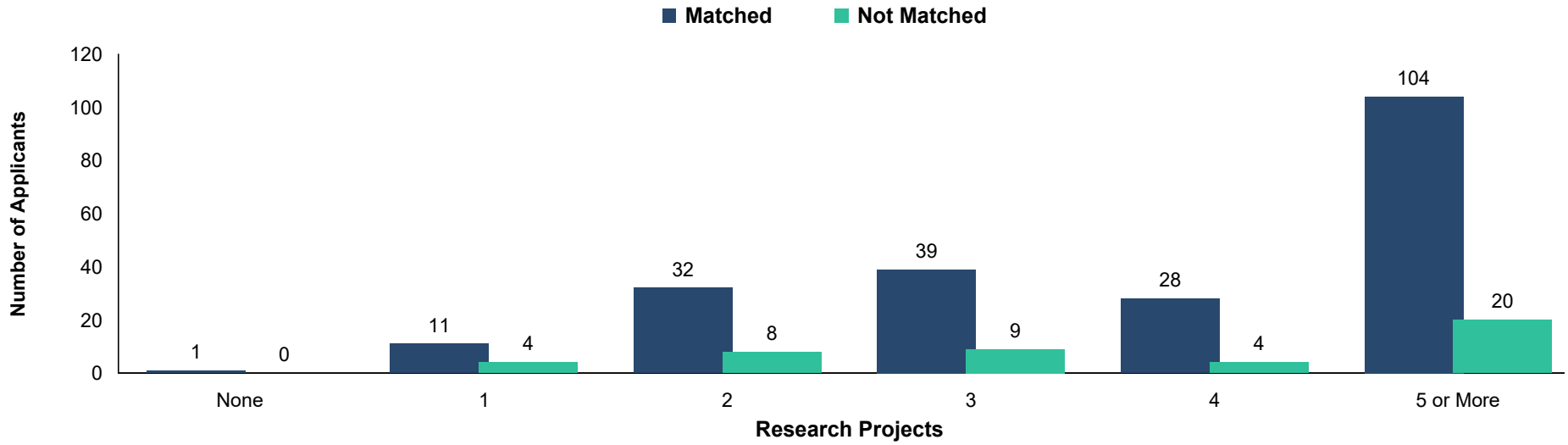
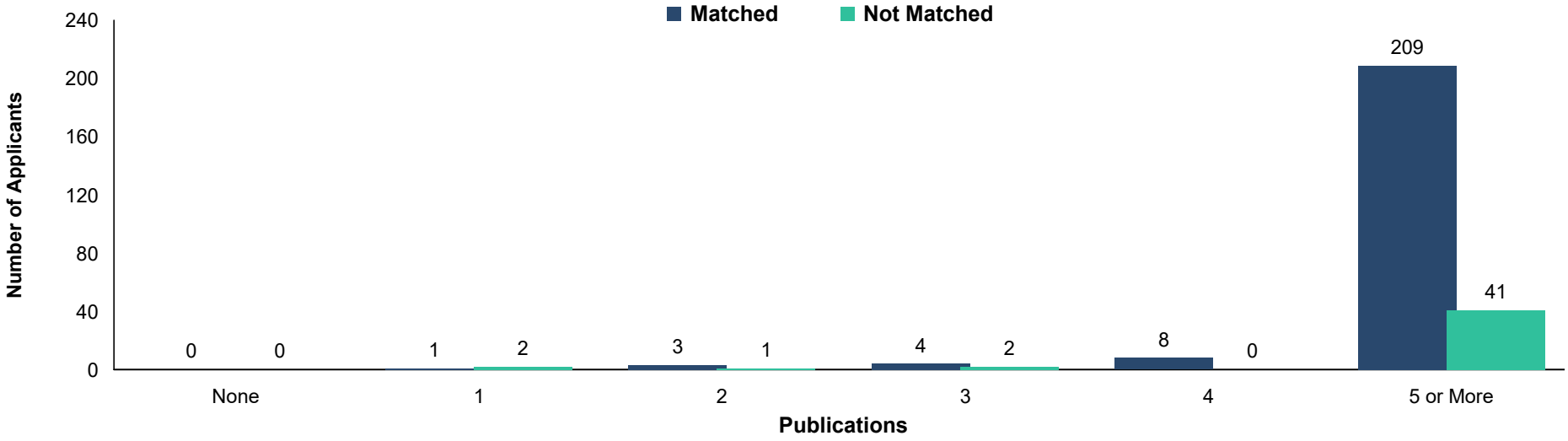


Chart OTO-6

Number of Abstracts, Presentations, and Publications of U.S. MD Seniors

Otolaryngology



Source: NRMP Data Warehouse

Chart OTO-7

Number of Work Experiences of U.S. MD Seniors

Otolaryngology

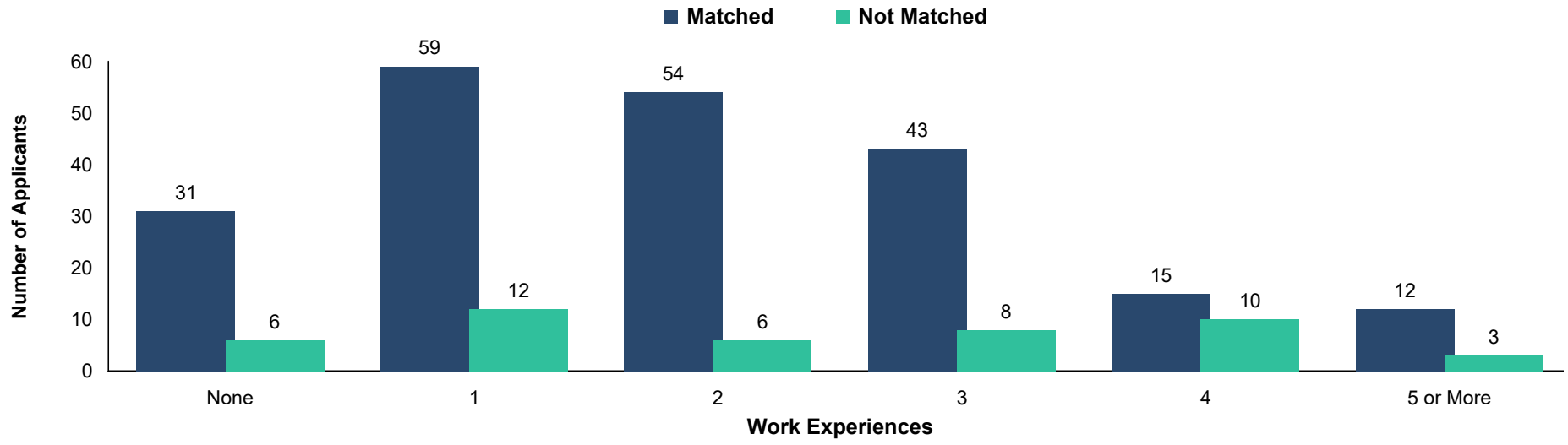
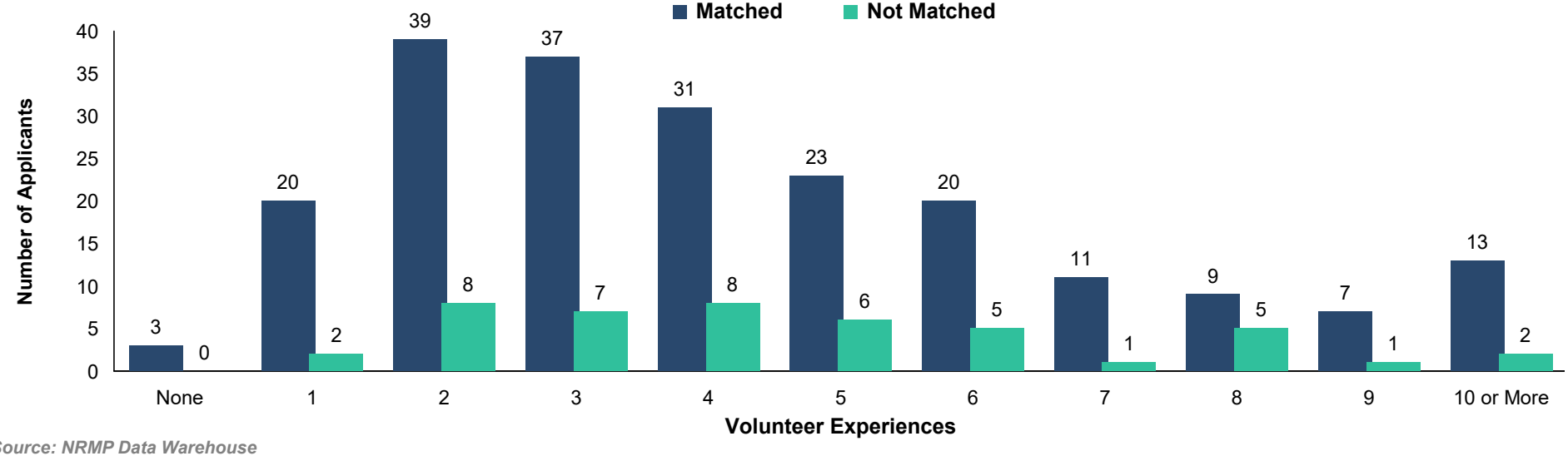


Chart OTO-8

Number of Volunteer Experiences of U.S. MD Seniors

Otolaryngology

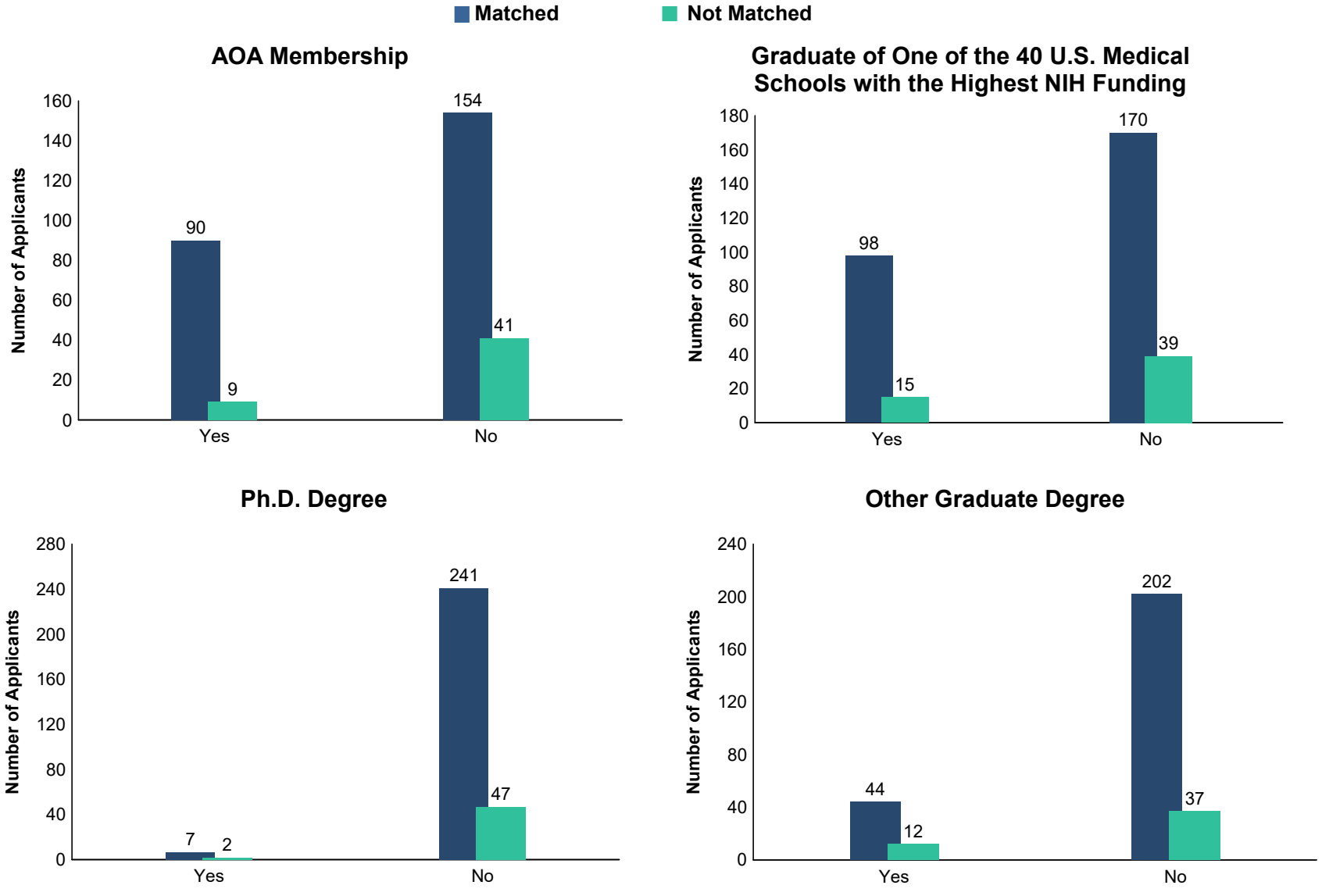


Source: NRMP Data Warehouse

Chart OTO-9

Other Characteristics of U.S. MD Seniors

Otolaryngology



Source: NRMP Data Warehouse. Top 40 U.S. medical schools with the highest NIH funding from NIH: http://report.nih.gov/award/index.cfm

PTH Pathology

Table PTH-1 Summary Statistics on U.S. MD Seniors
Pathology

Measure	Matched (n=213)	Unmatched (n=11)
1. Mean number of contiguous ranks	12.4	6.5
2. Mean number of distinct specialties ranked	1.0	1.0
3. Mean USMLE Step 1 score*	235	232
4. Mean USMLE Step 2 score	247	232
5. Mean number of research experiences	3.1	2.3
6. Mean number of abstracts, presentations, and publications	8.4	4.1
7. Mean number of work experiences	1.9	3.2
8. Mean number of volunteer experiences	3.3	4.7
9. Percentage who are AOA members	8.9	0.0
10. Percentage who graduated from one of the 40 U.S. medical schools with the highest NIH funding	32.4	9.1
11. Percentage who have Ph.D. degree	21.4	0.0
12. Percentage who have another graduate degree	14.4	20.0

Note: Only U.S. MD seniors who gave consent to use their information in research are included.
*Only applicants who indicated completion of the USMLE Step 1 exam prior to the transition to pass/fail (i.e., prior to January 26, 2022) had the option to self-report their Step 1 numeric score. In 2024, only 2,143 U.S. MD seniors self-reported Step 1 numeric scores.
Sources. NRMP Data Warehouse; Top 40 U.S. medical schools with the highest NIH funding in measure 10 is from the NIH website (http://report.nih.gov/award/index.cfm).

Chart PTH-1

Number of Distinct Specialties Ranked by U.S. MD Seniors

Pathology

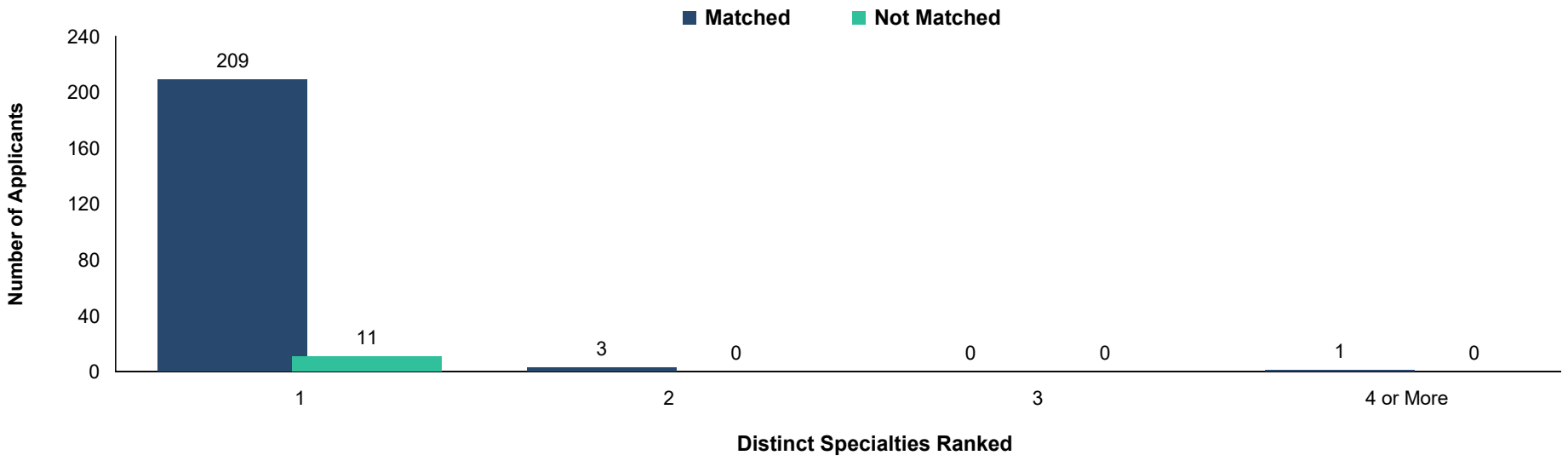
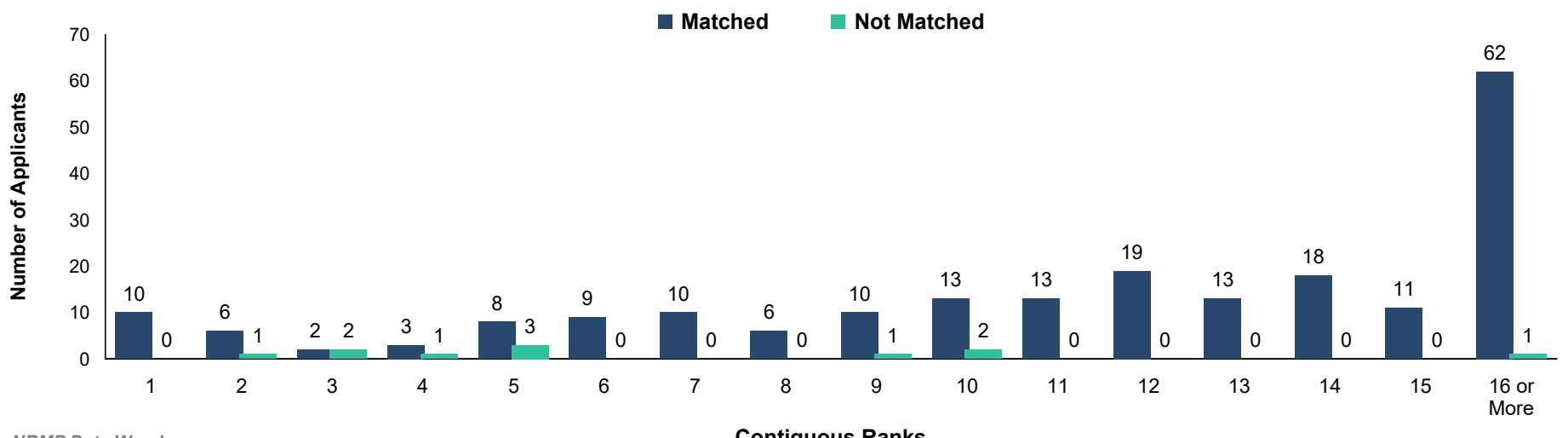


Chart PTH-2

Number of Contiguous Ranks of U.S. MD Seniors

Pathology

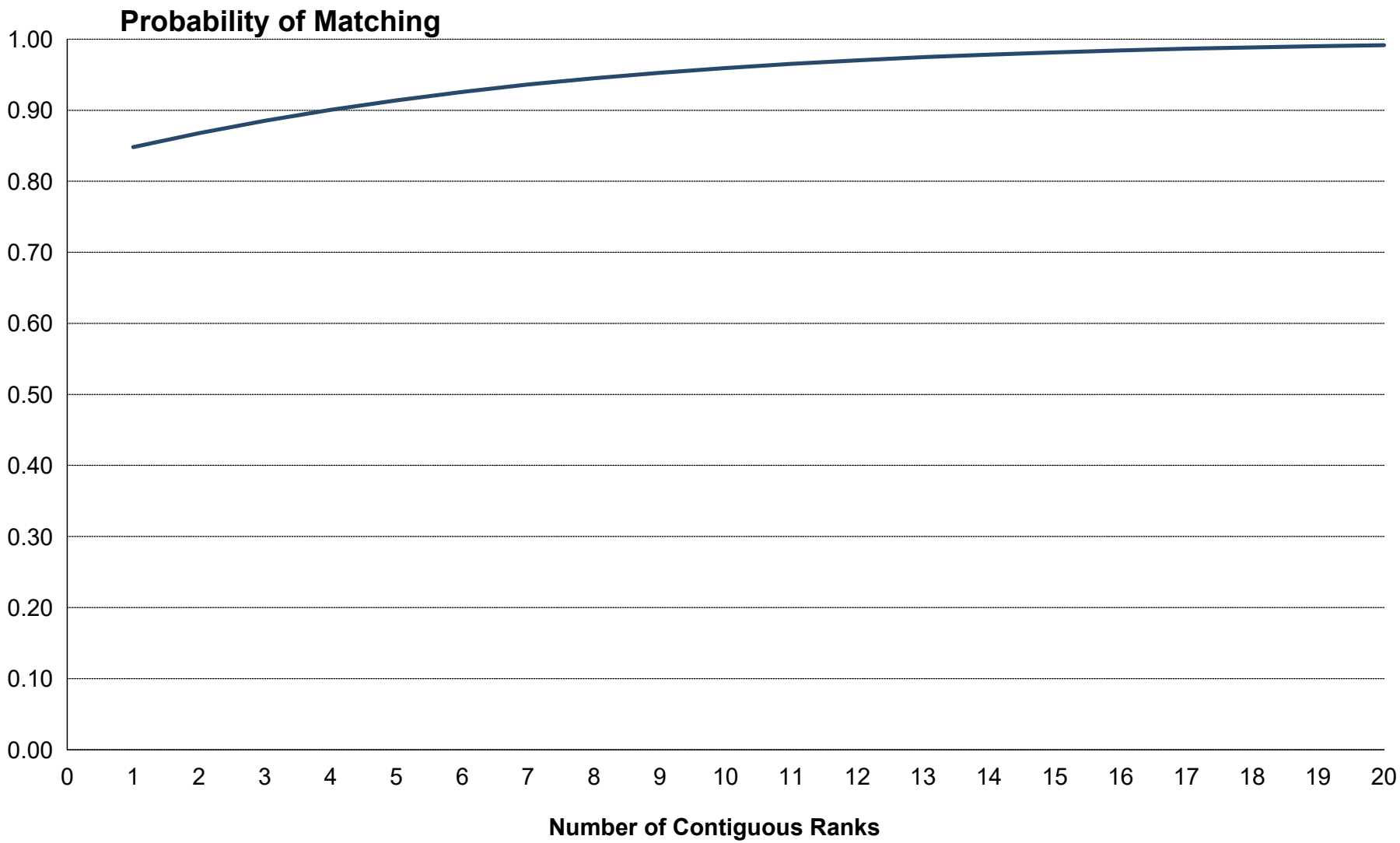


Source: NRMP Data Warehouse

Graph PTH-1

Probability of U.S. MD Seniors Matching to Preferred Specialty by Number of Contiguous Ranks

Pathology



Source: NRMP Data Warehouse. Note: Probabilities calculated based on 2022-2024 applicants

Chart PTH-3

USMLE Step 1 Scores of U.S. MD Seniors

Pathology

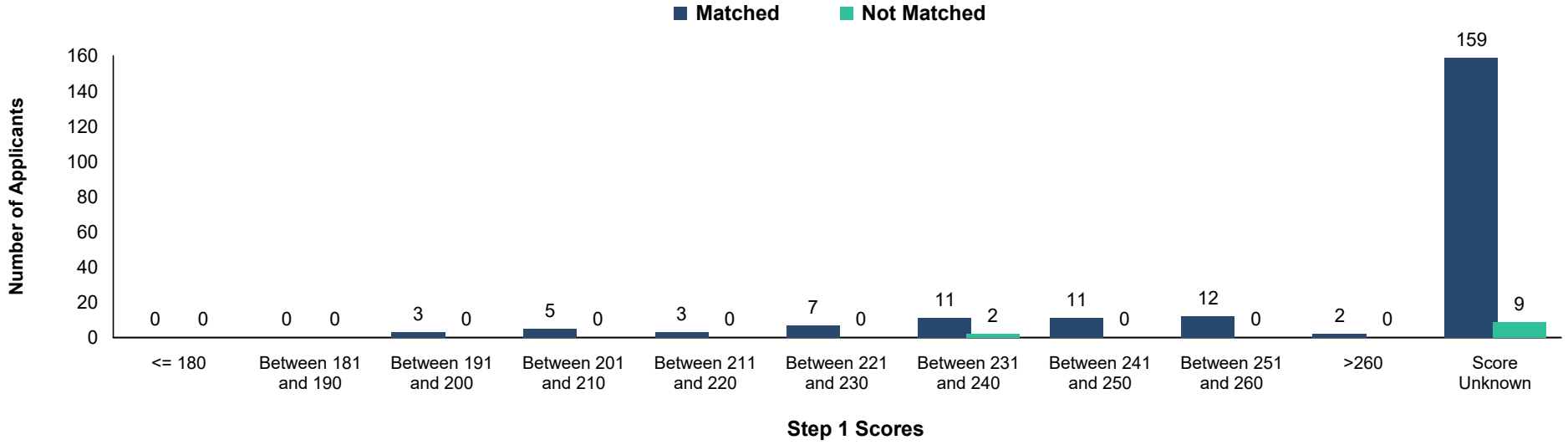
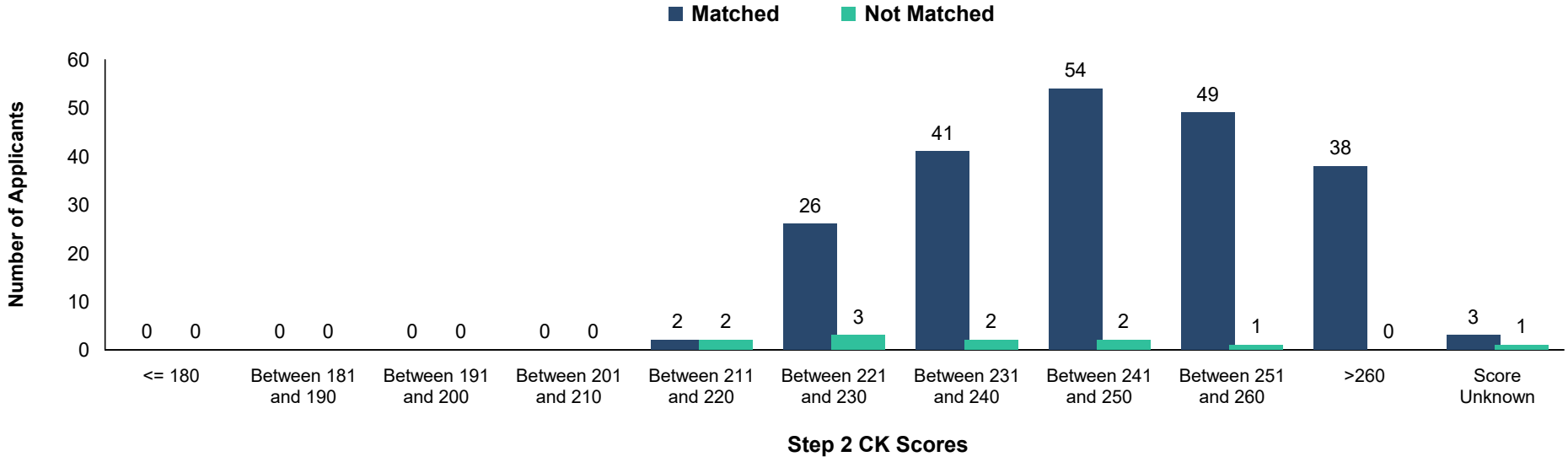


Chart PTH-4

USMLE Step 2 CK Scores of U.S. MD Seniors

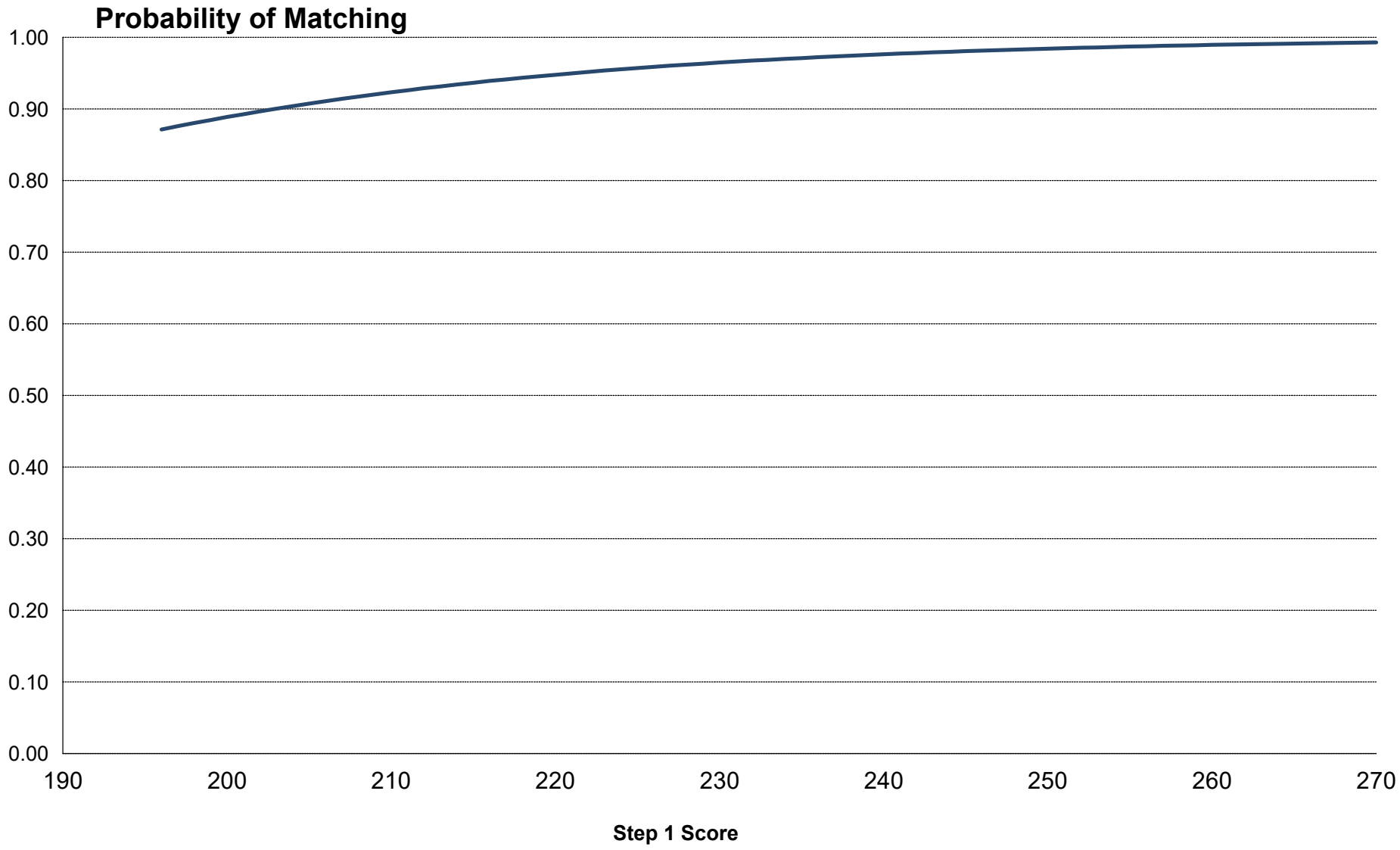
Pathology



Graph PTH-2

Probability of U.S. MD Seniors Matching to Preferred Specialty by USMLE Step 1 Score

Pathology

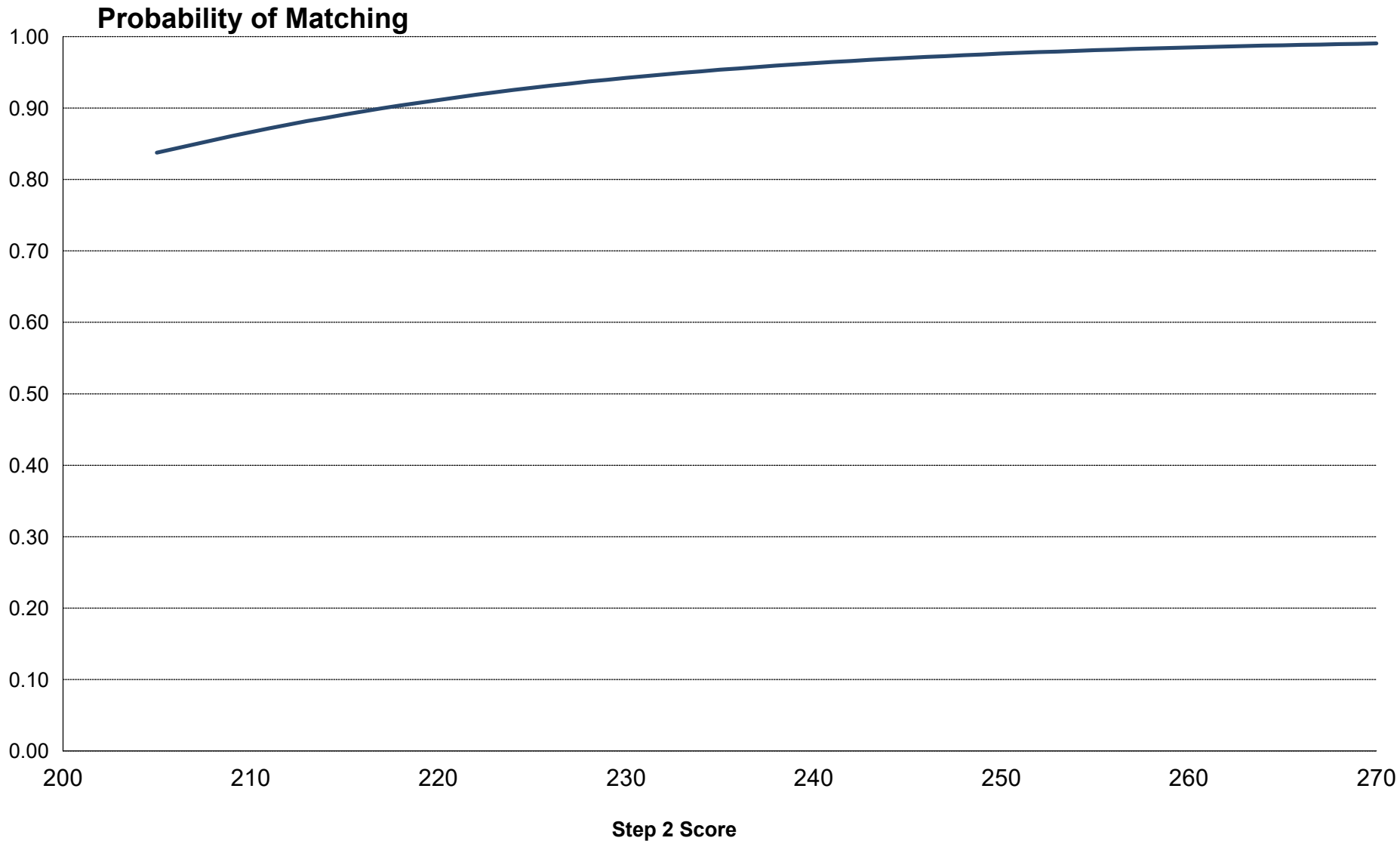


Source: NRMP Data Warehouse. Note: Probabilities calculated based on 2022-2024 applicants.

Graph PTH-3

Probability of U.S. MD Seniors Matching to Preferred Specialty by USMLE Step 2 Score

Pathology



Source: NRMP Data Warehouse. Note: Probabilities calculated based on 2022-2024 applicants.

Chart PTH-5

Number of Research Projects of U.S. MD Seniors

Pathology

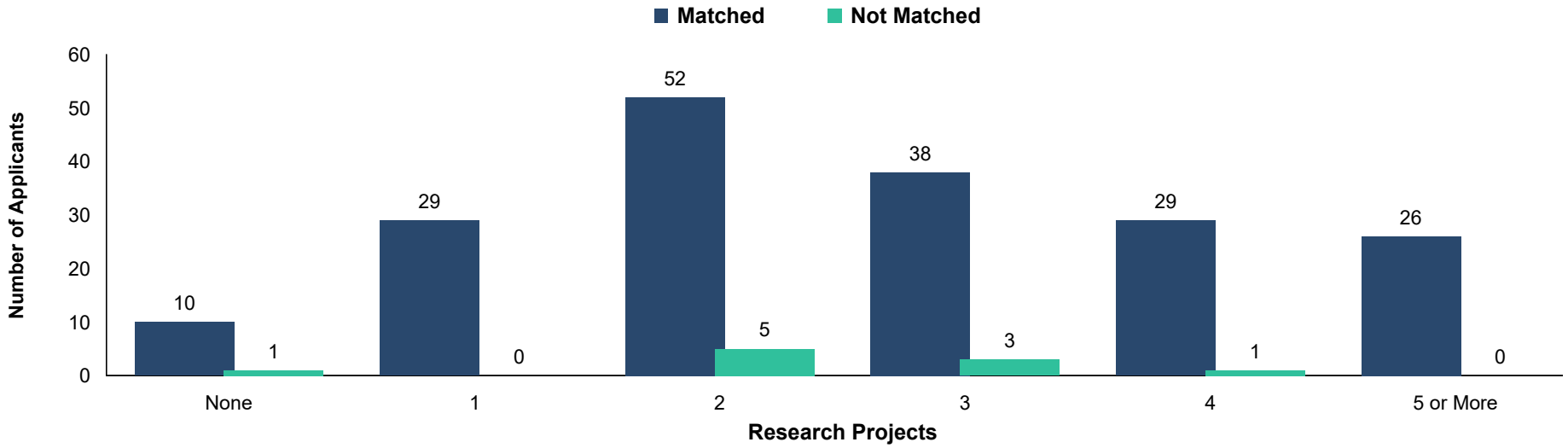
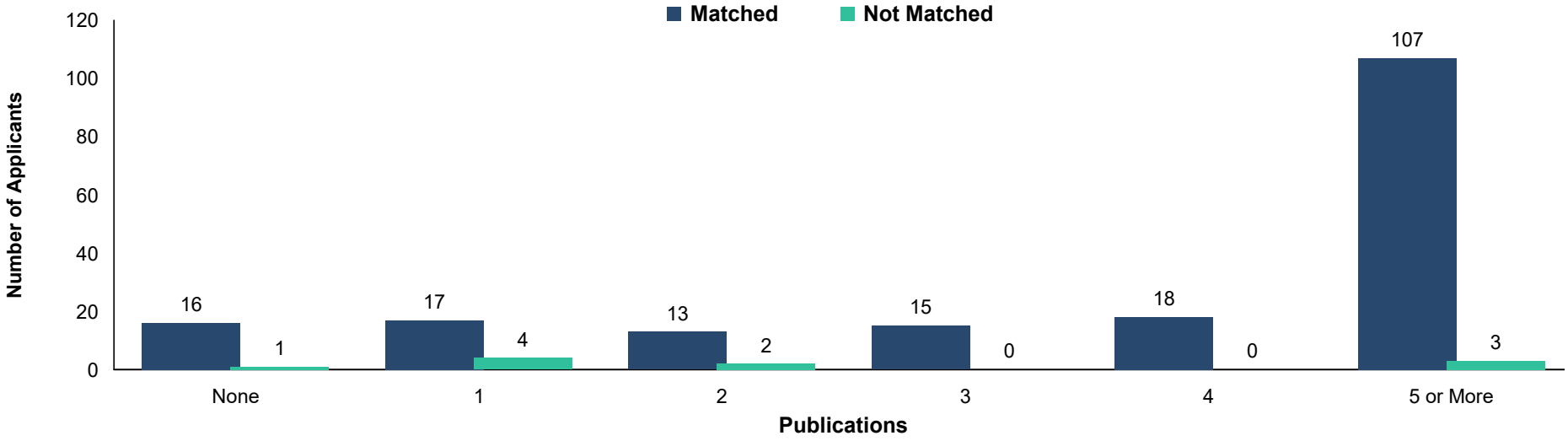


Chart PTH-6

Number of Abstracts, Presentations, and Publications of U.S. MD Seniors

Pathology



Source: NRMP Data Warehouse

Chart PTH-7

Number of Work Experiences of U.S. MD Seniors

Pathology

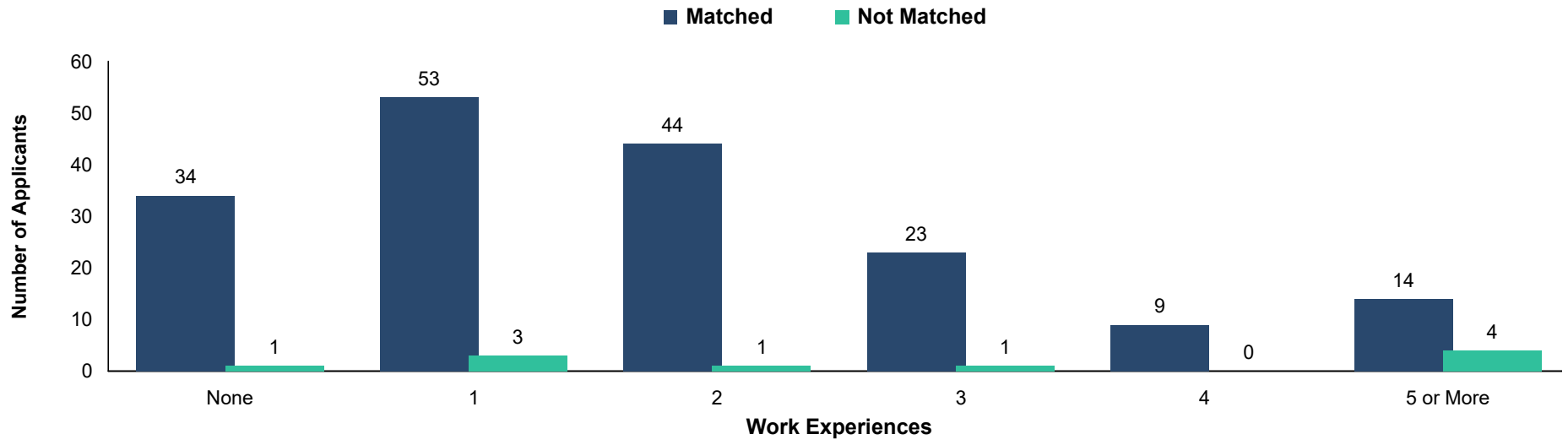
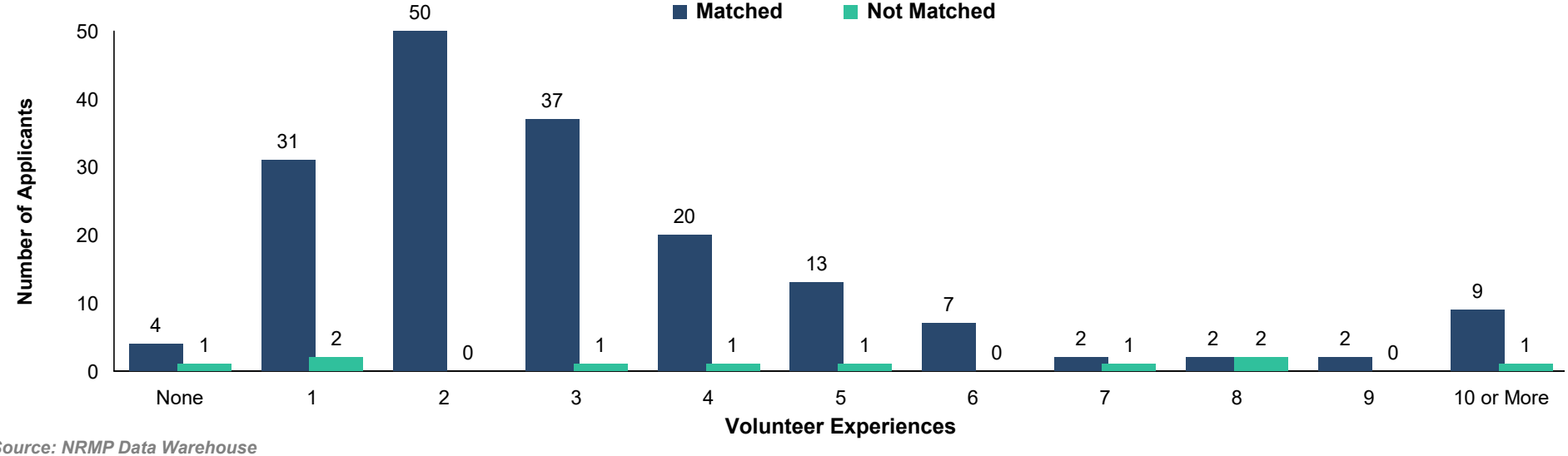


Chart PTH-8

Number of Volunteer Experiences of U.S. MD Seniors

Pathology

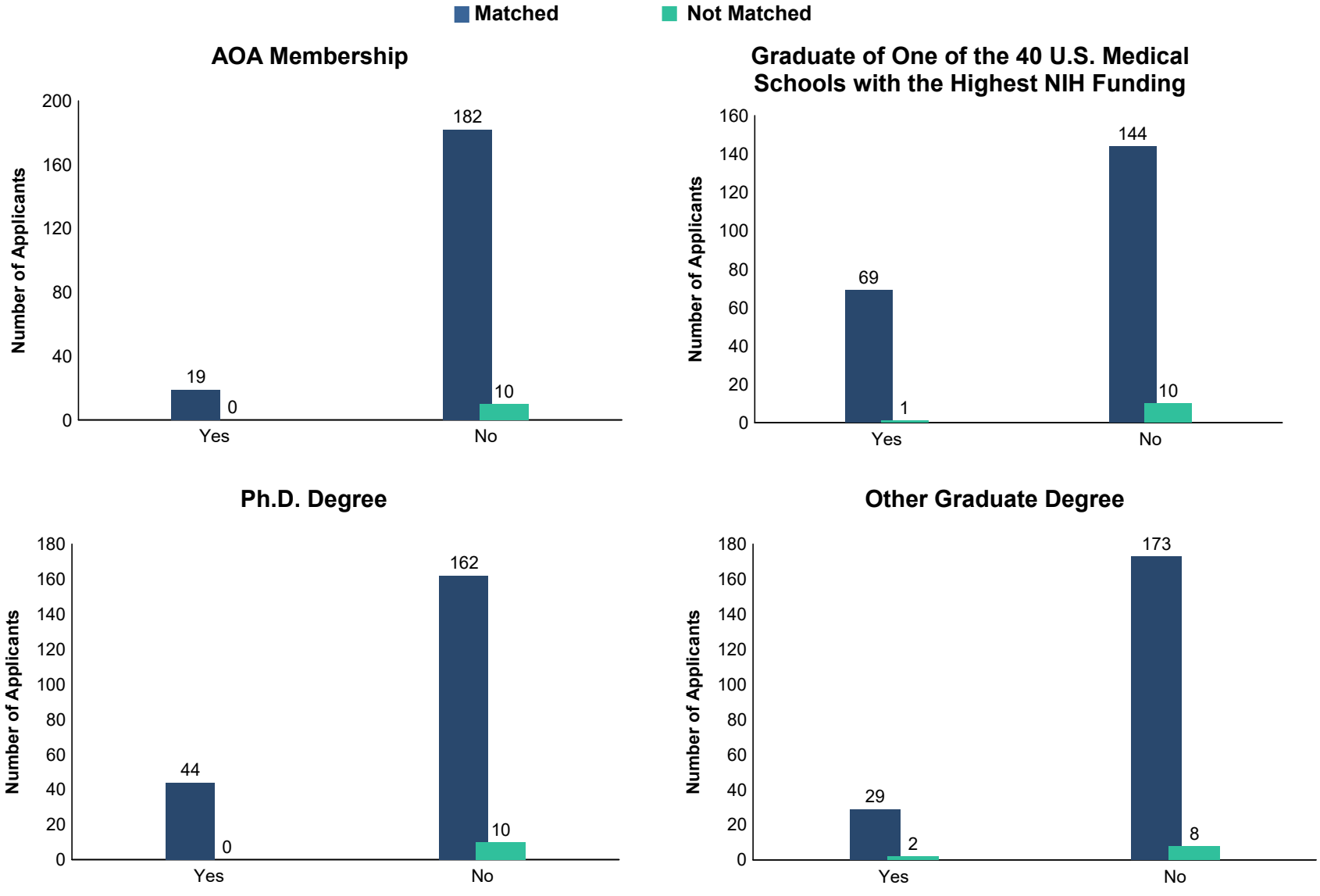


Source: NRMP Data Warehouse

Chart PTH-9

Other Characteristics of U.S. MD Seniors

Pathology



Source: NRMP Data Warehouse. Top 40 U.S. medical schools with the highest NIH funding from NIH: http://report.nih.gov/award/index.cfm

PD Pediatrics

Table PD-1 Summary Statistics on U.S. MD Seniors
Pediatrics

Measure	Matched (n=1,216)	Unmatched (n=2)
1. Mean number of contiguous ranks	15.3	2.0
2. Mean number of distinct specialties ranked	1.0	1.5
3. Mean USMLE Step 1 score*	224	214
4. Mean USMLE Step 2 score	247	233
5. Mean number of research experiences	2.6	0.5
6. Mean number of abstracts, presentations, and publications	6.4	21.5
7. Mean number of work experiences	1.6	0.5
8. Mean number of volunteer experiences	4.9	6.0
9. Percentage who are AOA members	13.4	0.0
10. Percentage who graduated from one of the 40 U.S. medical schools with the highest NIH funding	28.7	50.0
11. Percentage who have Ph.D. degree	3.1	50.0
12. Percentage who have another graduate degree	16.8	0.0

Note: Only U.S. MD seniors who gave consent to use their information in research are included.
*Only applicants who indicated completion of the USMLE Step 1 exam prior to the transition to pass/fail (i.e., prior to January 26, 2022) had the option to self-report their Step 1 numeric score. In 2024, only 2,143 U.S. MD seniors self-reported Step 1 numeric scores.
Sources. NRMP Data Warehouse; Top 40 U.S. medical schools with the highest NIH funding in measure 10 is from the NIH website (http://report.nih.gov/award/index.cfm).

Chart PD-1

Number of Distinct Specialties Ranked by U.S. MD Seniors

Pediatrics

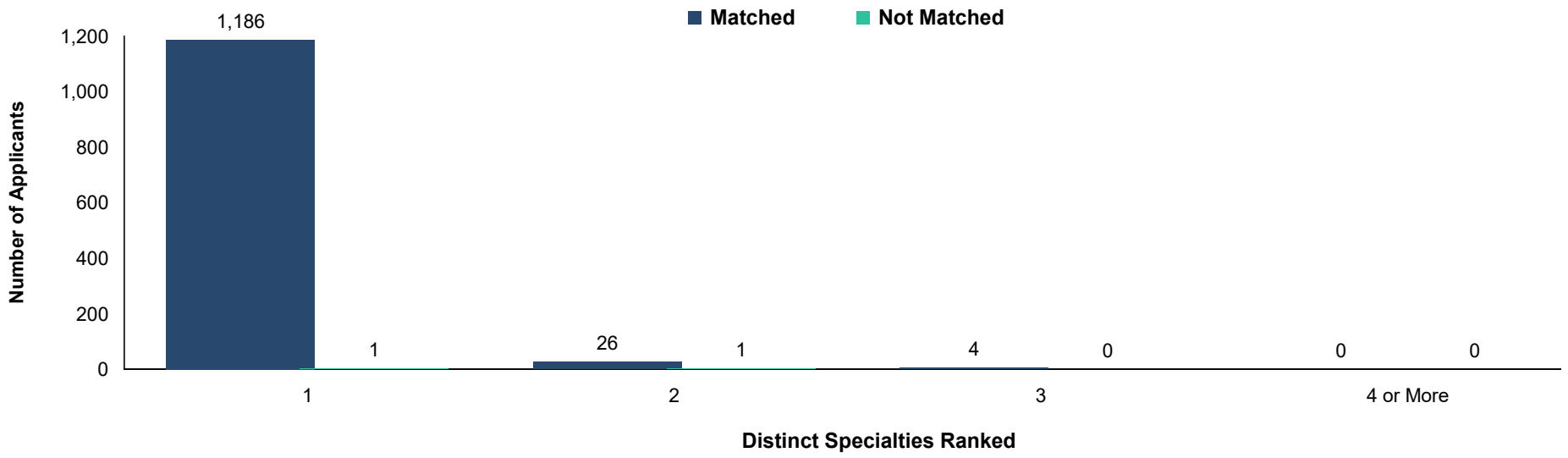
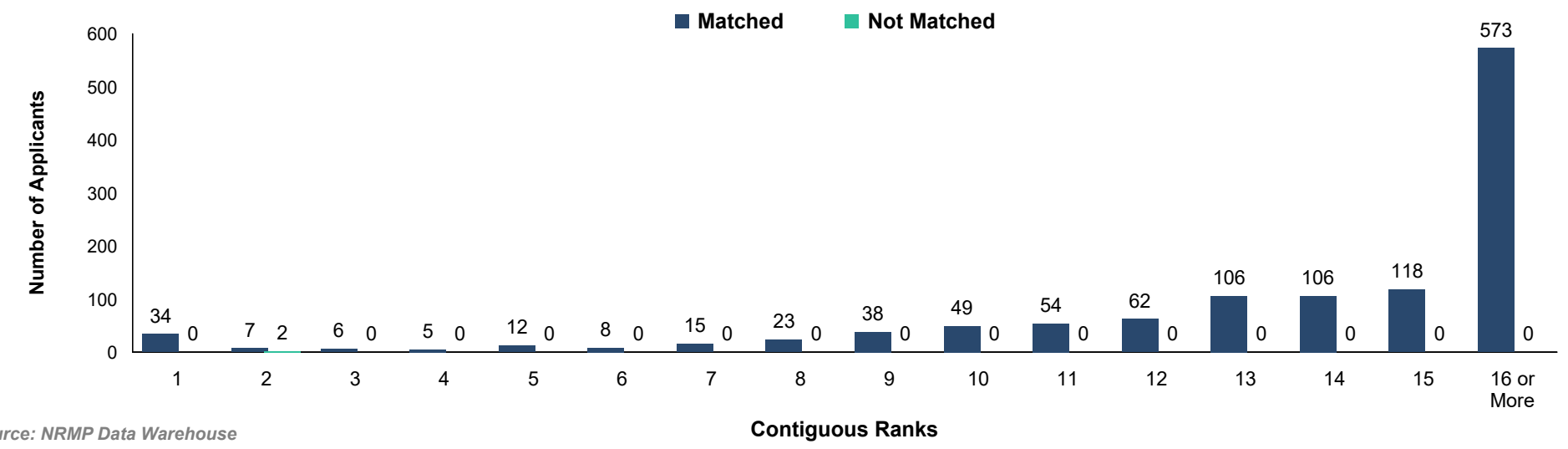


Chart PD-2

Number of Contiguous Ranks of U.S. MD Seniors

Pediatrics

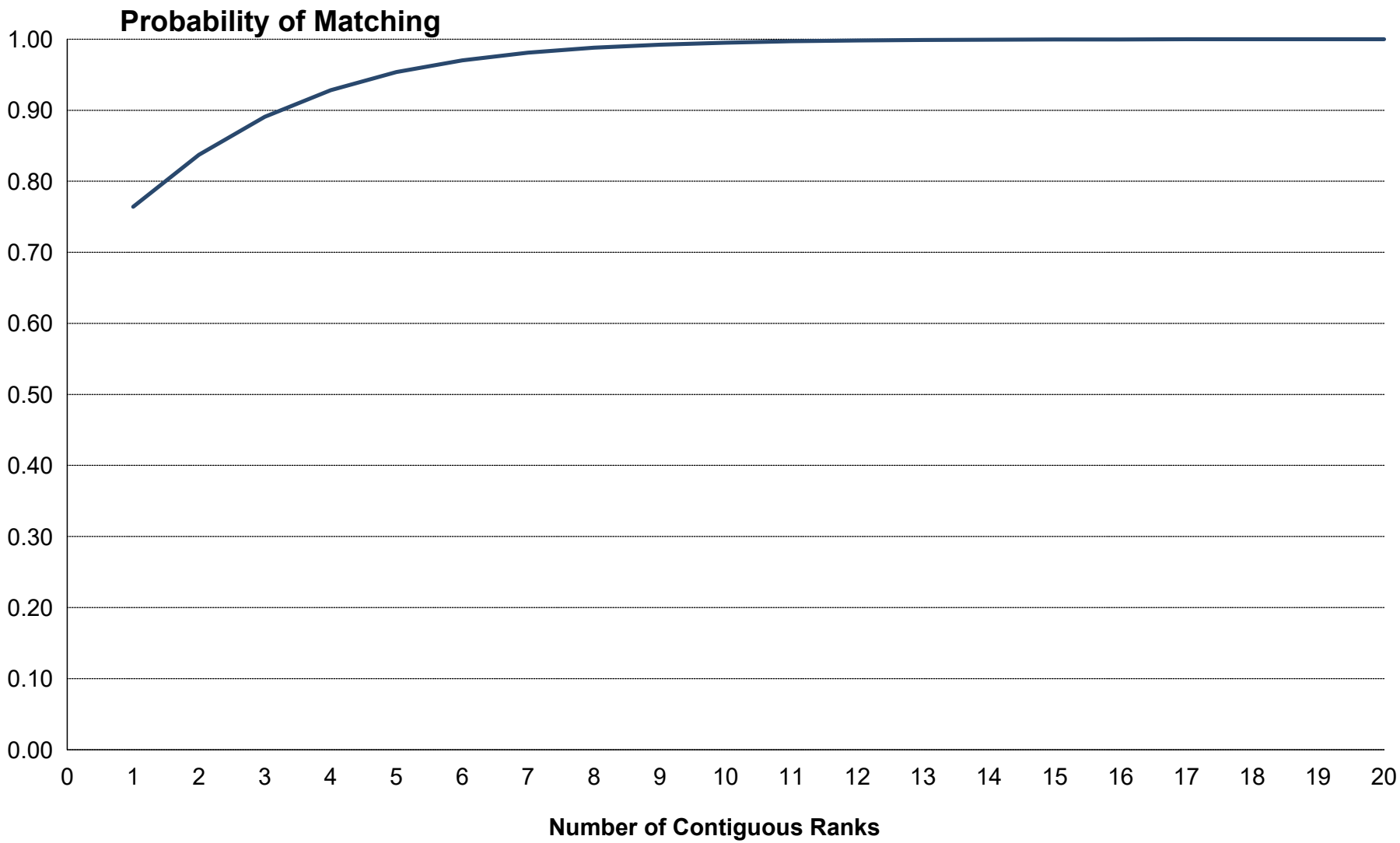


Source: NRMP Data Warehouse

Graph PD-1

Probability of U.S. MD Seniors Matching to Preferred Specialty by Number of Contiguous Ranks

Pediatrics



Source: NRMP Data Warehouse. Note: Probabilities calculated based on 2022-2024 applicants

Chart PD-3

USMLE Step 1 Scores of U.S. MD Seniors

Pediatrics

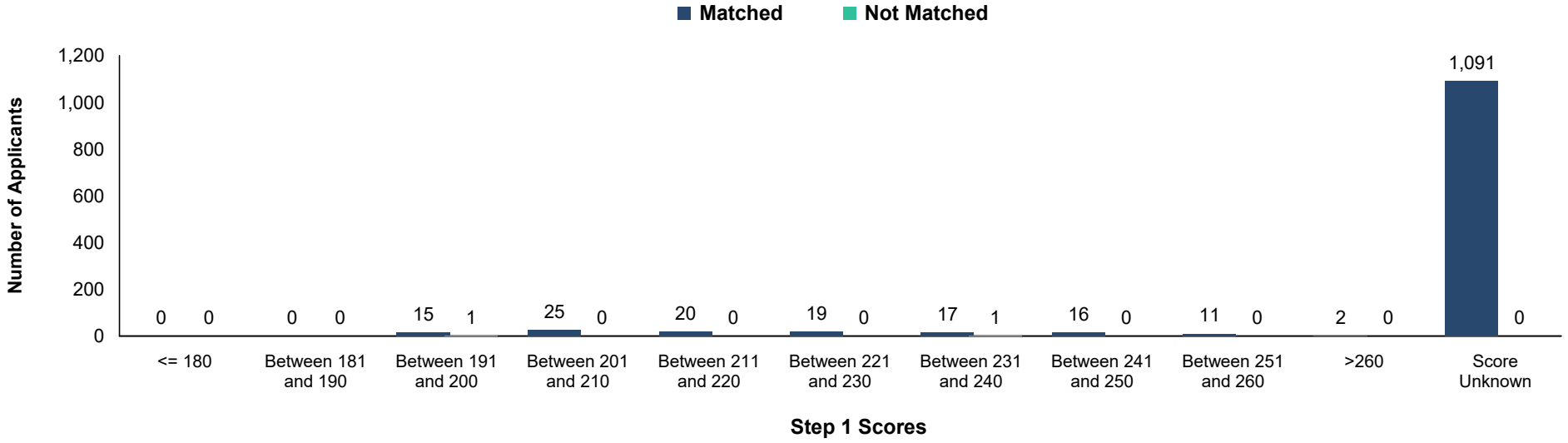
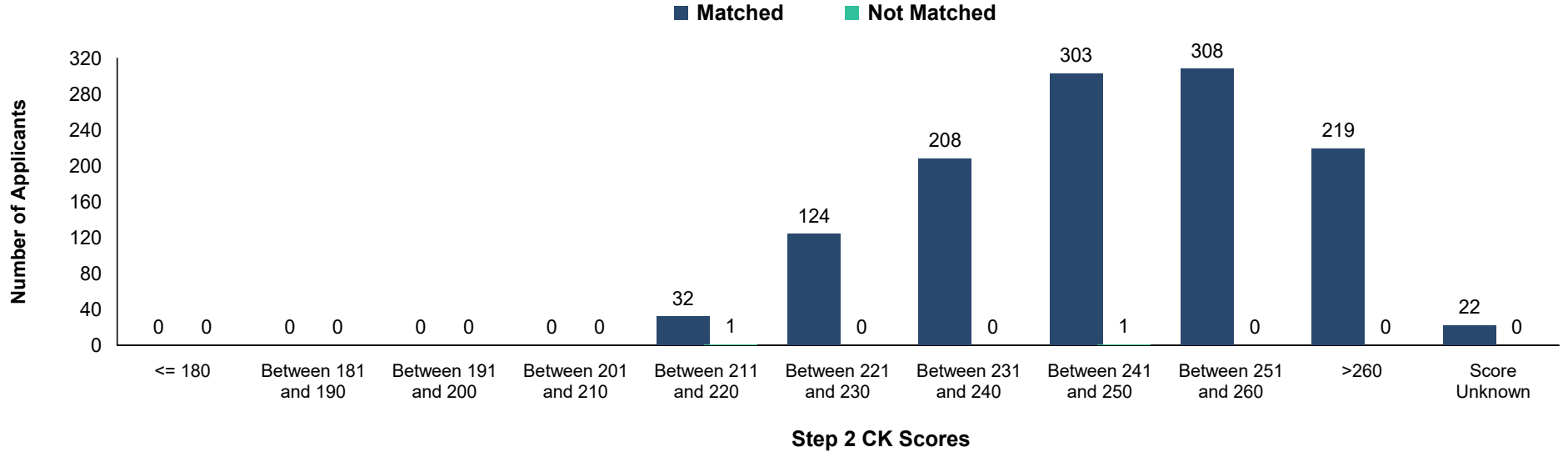


Chart PD-4

USMLE Step 2 CK Scores of U.S. MD Seniors

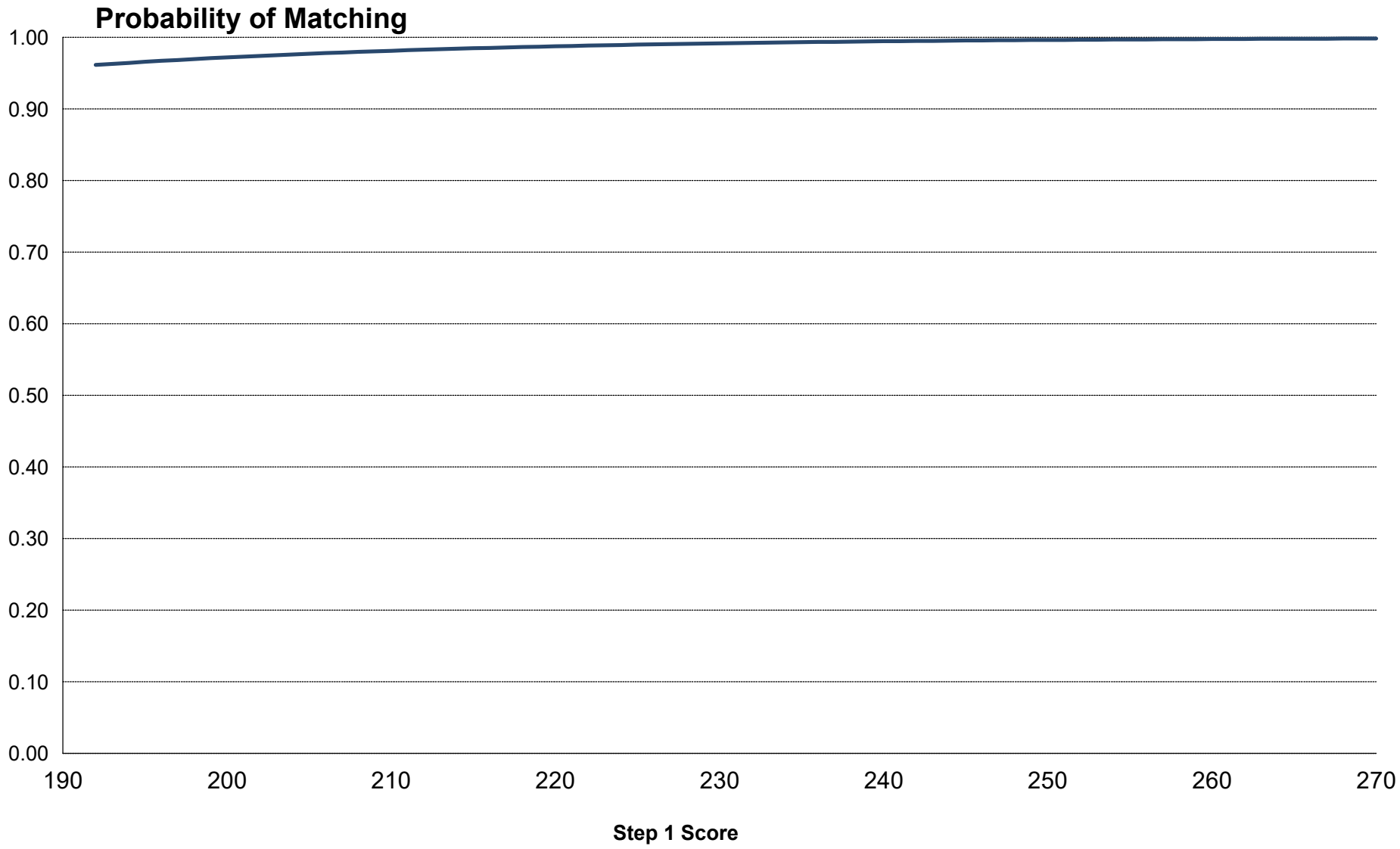
Pediatrics



Graph PD-2

Probability of U.S. MD Seniors Matching to Preferred Specialty by USMLE Step 1 Score

Pediatrics

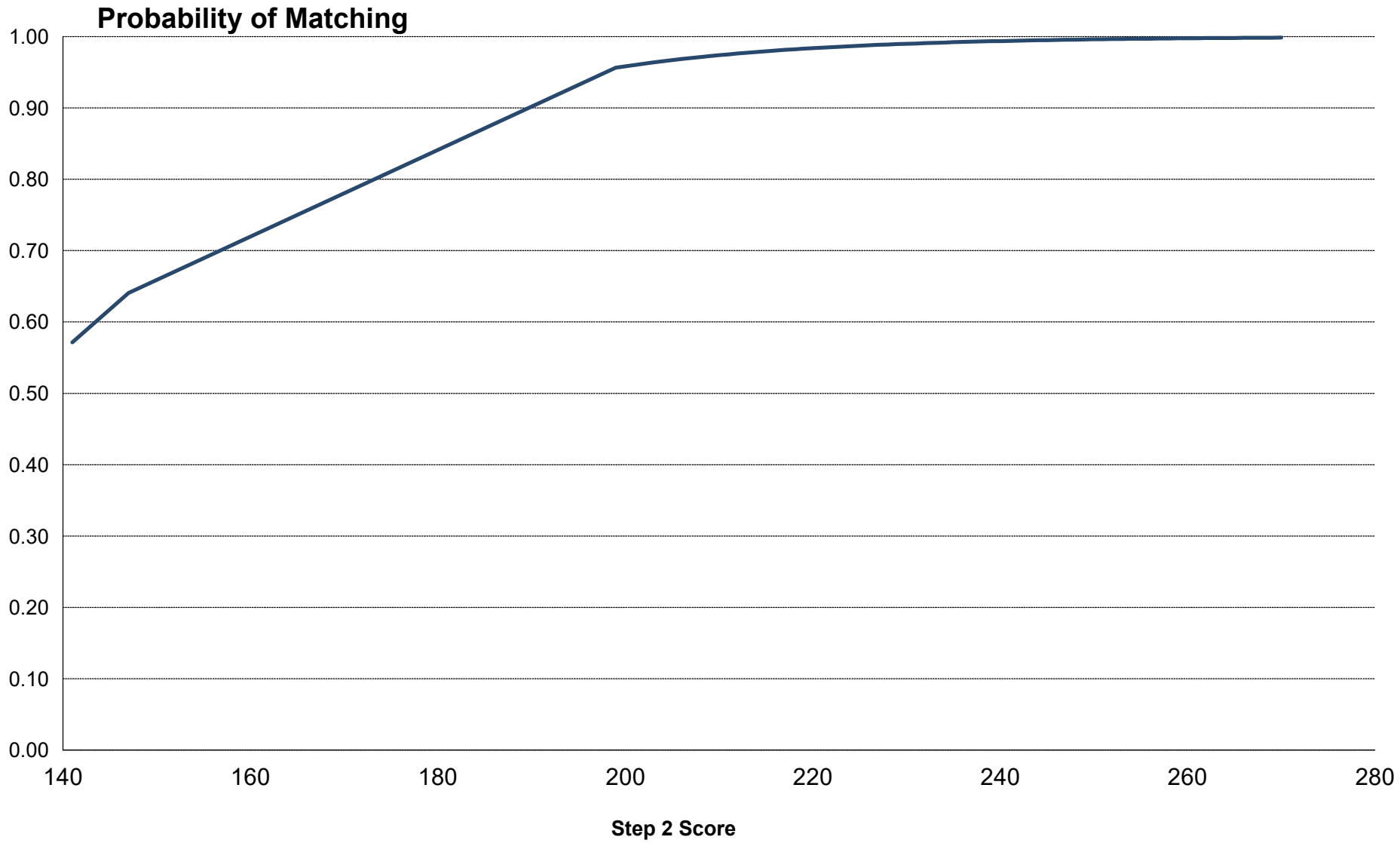


Source: NRMP Data Warehouse. Note: Probabilities calculated based on 2022-2024 applicants.

Graph PD-3

Probability of U.S. MD Seniors Matching to Preferred Specialty by USMLE Step 2 Score

Pediatrics



Source: NRMP Data Warehouse. Note: Probabilities calculated based on 2022-2024 applicants.

Chart PD-5

Number of Research Projects of U.S. MD Seniors

Pediatrics

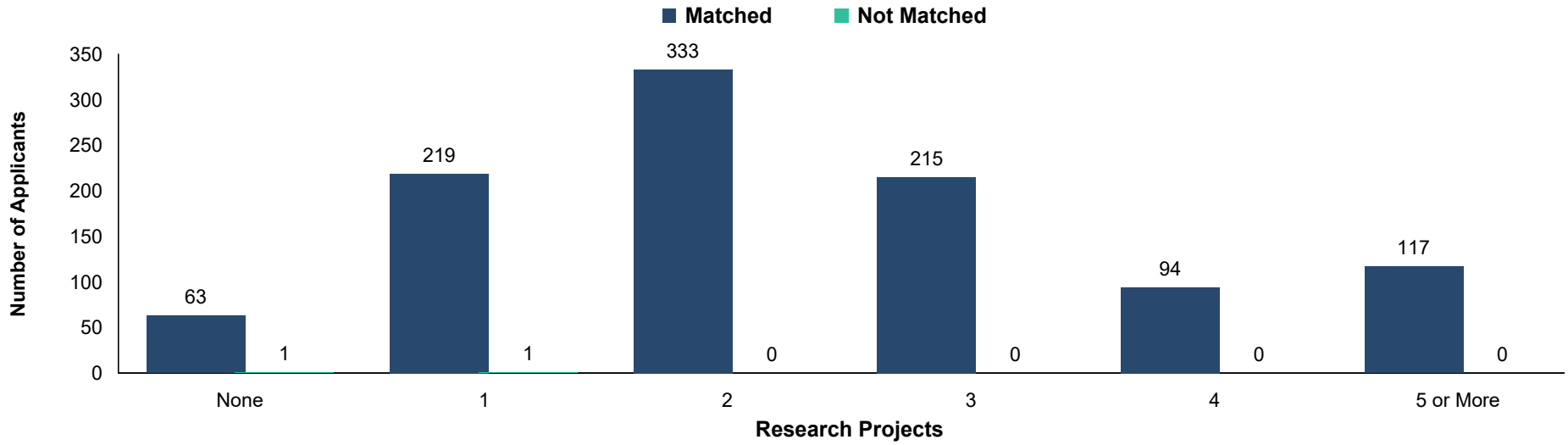
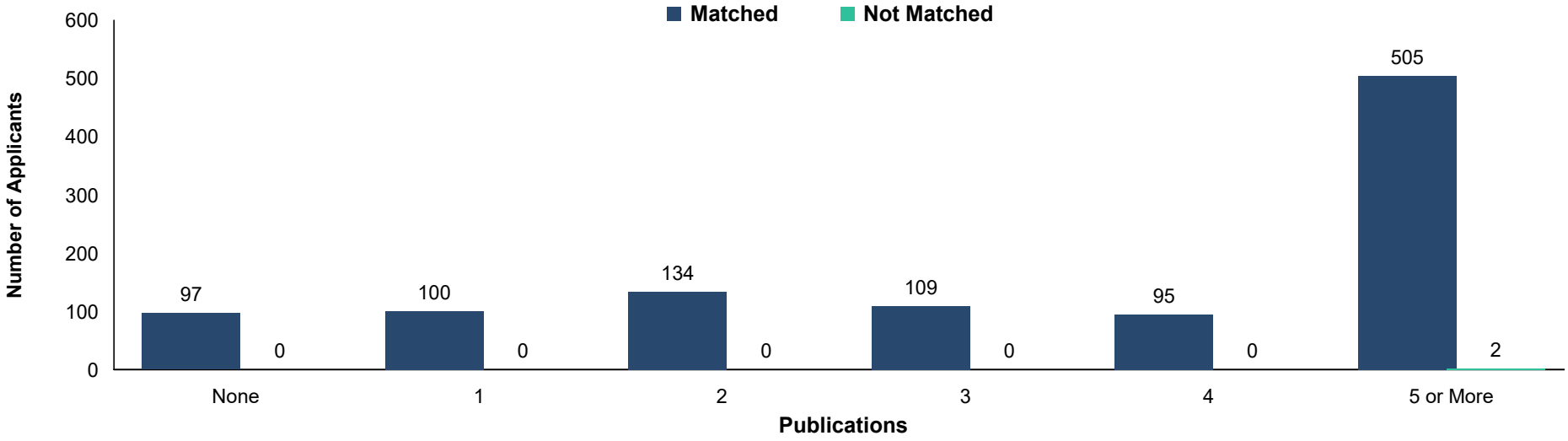


Chart PD-6

Number of Abstracts, Presentations, and Publications of U.S. MD Seniors

Pediatrics



Source: NRMP Data Warehouse

Chart PD-7

Number of Work Experiences of U.S. MD Seniors

Pediatrics

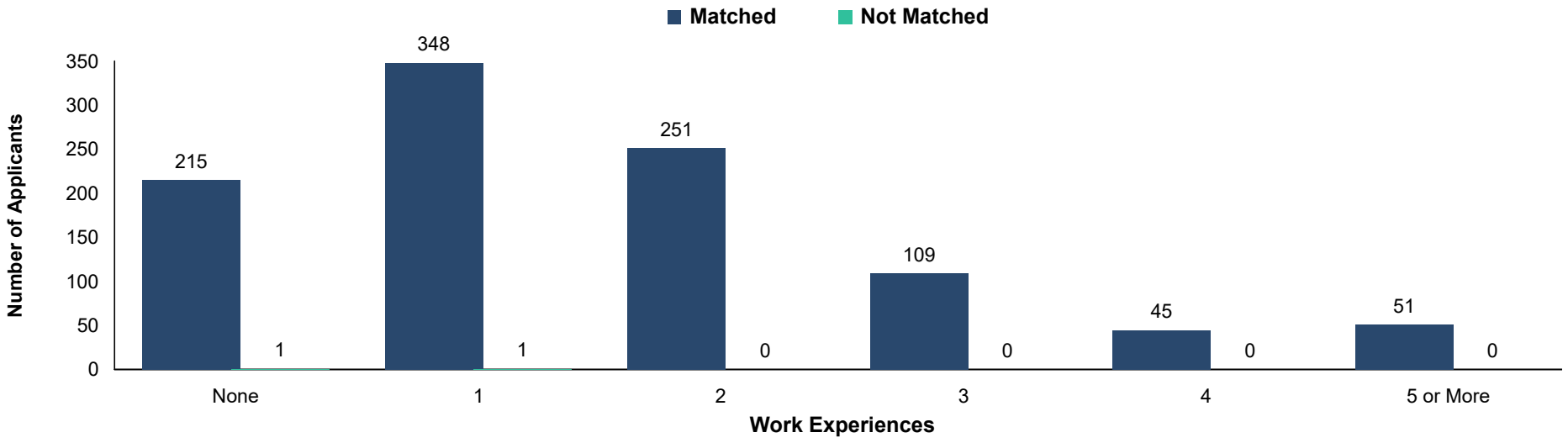
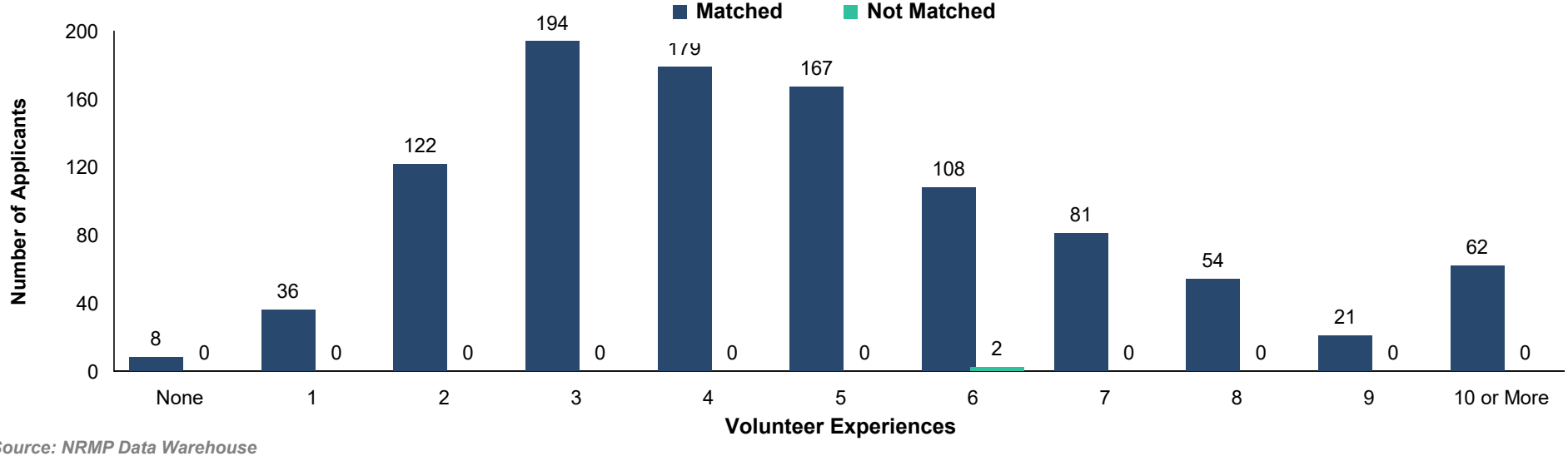


Chart PD-8

Number of Volunteer Experiences of U.S. MD Seniors

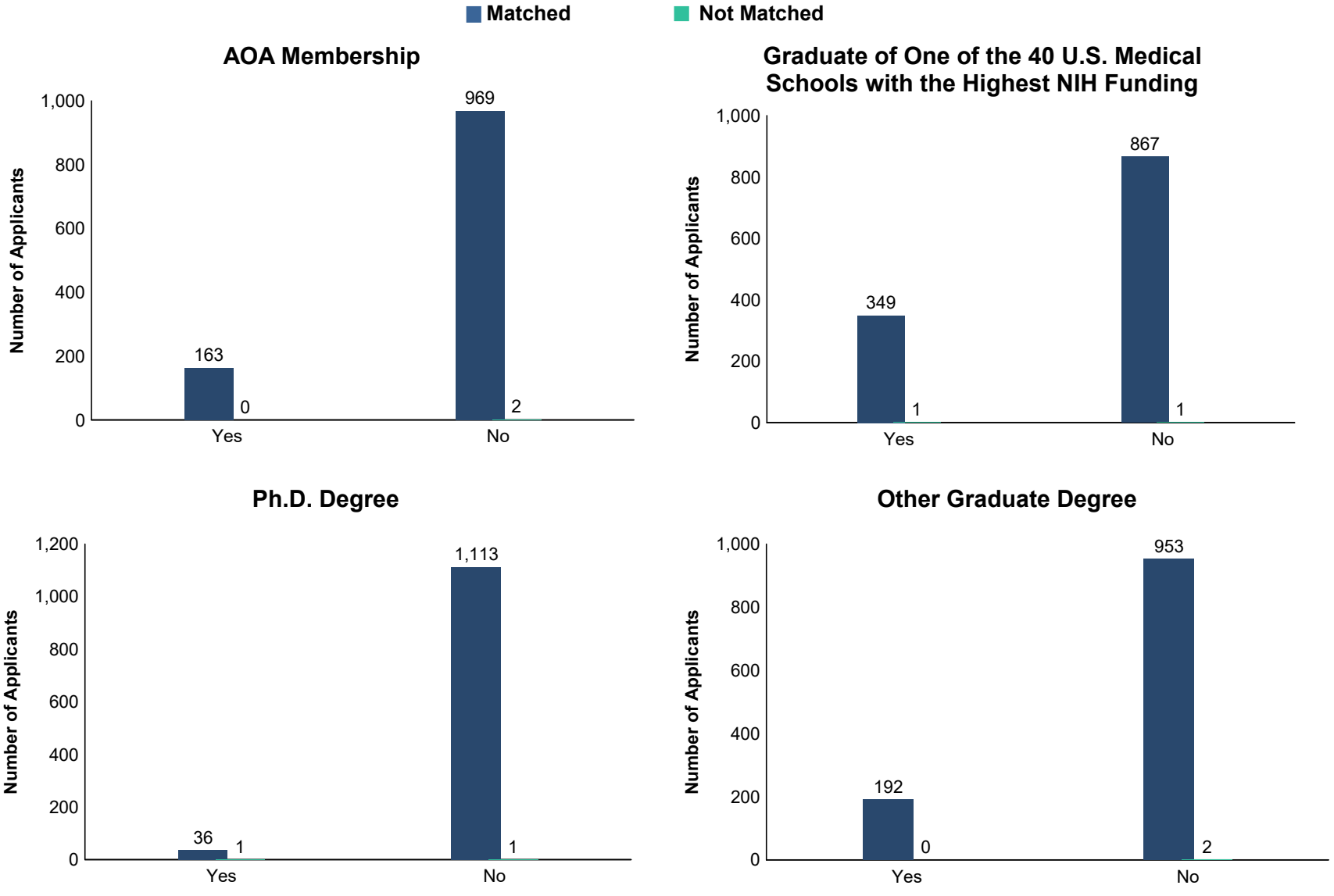
Pediatrics



Source: NRMP Data Warehouse

Chart PD-9 Other Characteristics of U.S. MD Seniors

Pediatrics



Source: NRMP Data Warehouse. Top 40 U.S. medical schools with the highest NIH funding from NIH: http://report.nih.gov/award/index.cfm

PM Physical Medicine and Rehabilitation

Table PM-1

Summary Statistics on U.S. MD Seniors

Physical Medicine and Rehabilitation

Measure	Matched (n=231)	Unmatched (n=42)
1. Mean number of contiguous ranks	13.7	5.1
2. Mean number of distinct specialties ranked	1.6	2.3
3. Mean USMLE Step 1 score*	226	212
4. Mean USMLE Step 2 score	248	236
5. Mean number of research experiences	3.4	3.3
6. Mean number of abstracts, presentations, and publications	8.6	6.4
7. Mean number of work experiences	1.8	2.2
8. Mean number of volunteer experiences	4.8	4.9
9. Percentage who are AOA members	13.9	0.0
10. Percentage who graduated from one of the 40 U.S. medical schools with the highest NIH funding	22.1	23.8
11. Percentage who have Ph.D. degree	1.9	0.0
12. Percentage who have another graduate degree	16.1	12.5

Note: Only U.S. MD seniors who gave consent to use their information in research are included.
*Only applicants who indicated completion of the USMLE Step 1 exam prior to the transition to pass/fail (i.e., prior to January 26, 2022) had the option to self-report their Step 1 numeric score. In 2024, only 2,143 U.S. MD seniors self-reported Step 1 numeric scores.
Sources. NRMP Data Warehouse; Top 40 U.S. medical schools with the highest NIH funding in measure 10 is from the NIH website (http://report.nih.gov/award/index.cfm).

Chart PM-1

Number of Distinct Specialties Ranked by U.S. MD Seniors

Physical Medicine and Rehabilitation

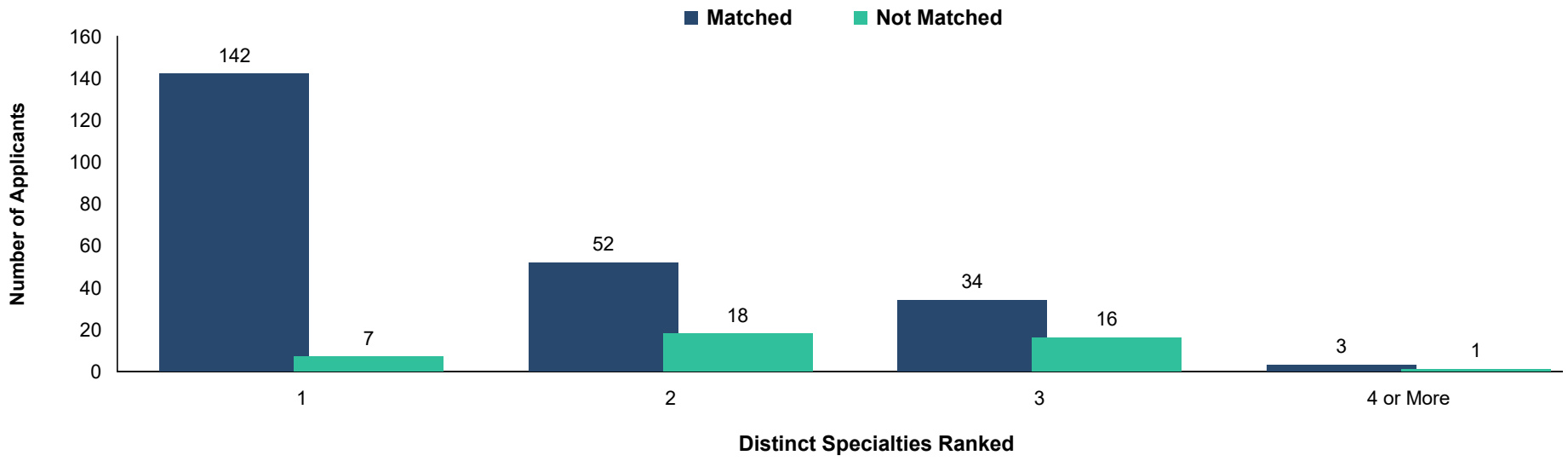
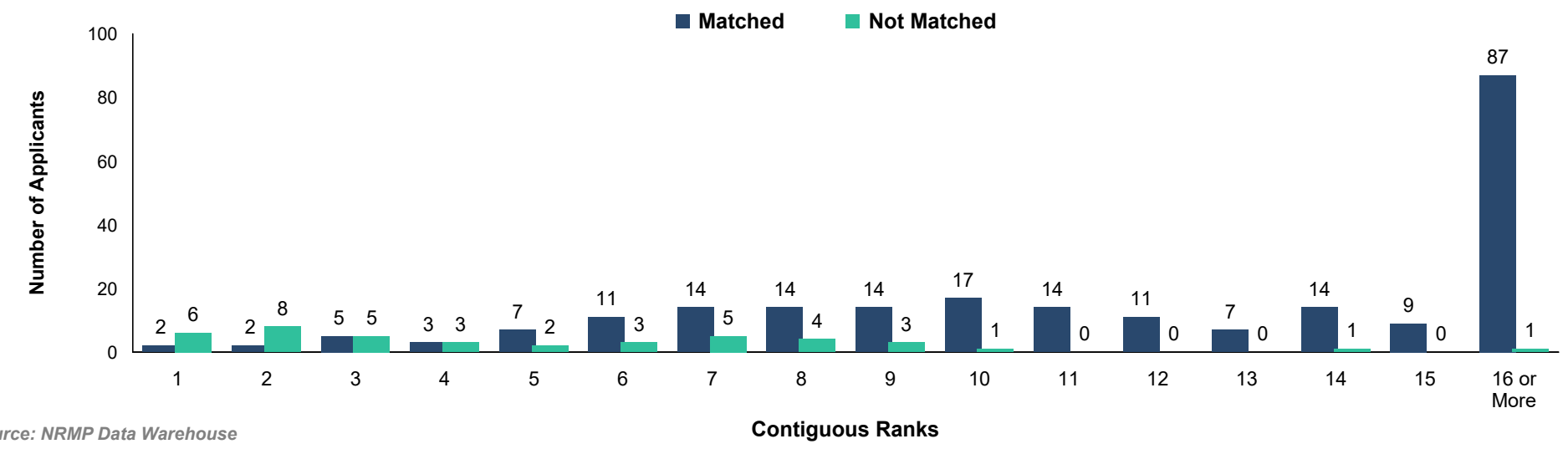


Chart PM-2

Number of Contiguous Ranks of U.S. MD Seniors

Physical Medicine and Rehabilitation

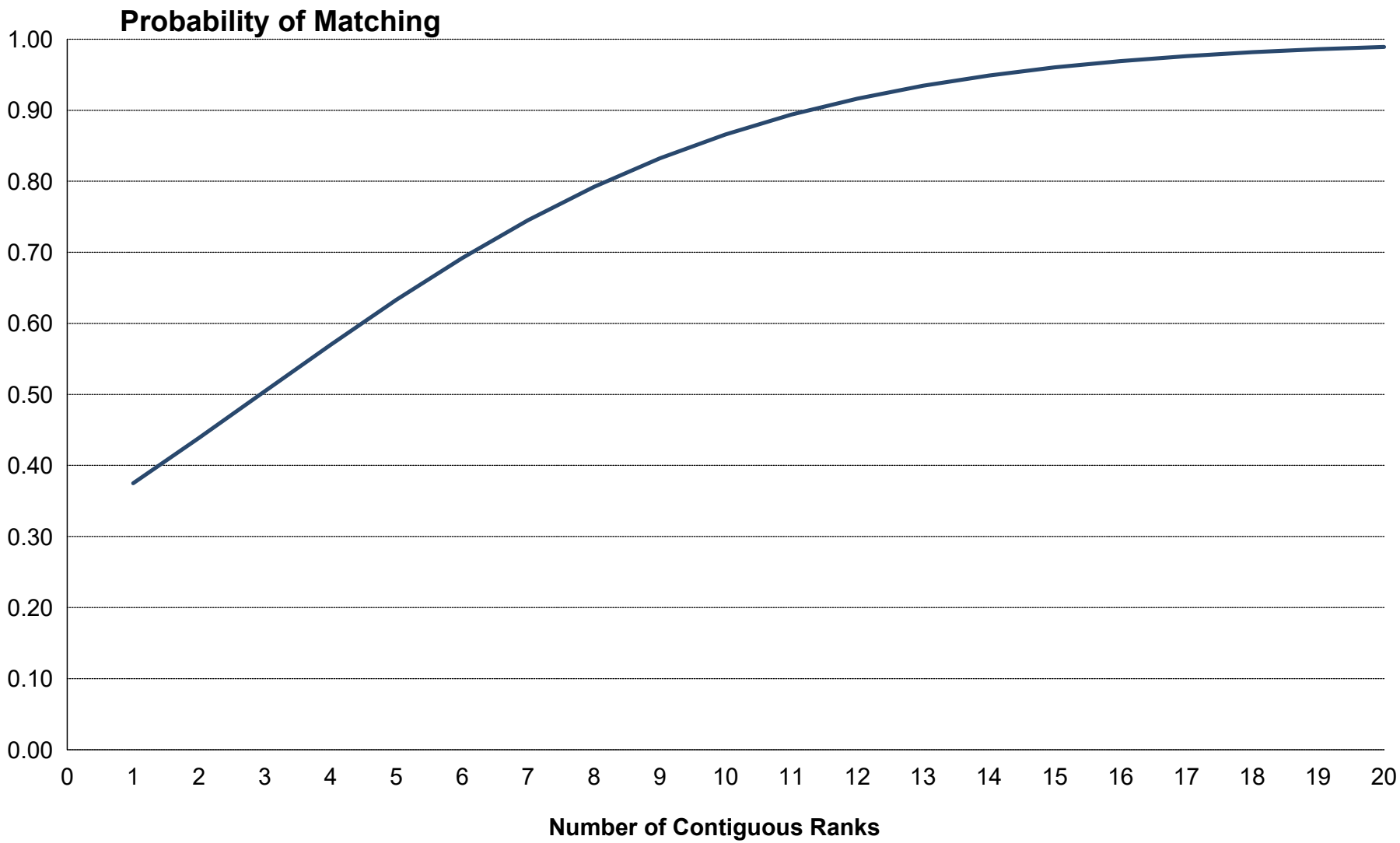


Source: NRMP Data Warehouse

Graph PM-1

Probability of U.S. MD Seniors Matching to Preferred Specialty by Number of Contiguous Ranks

Physical Medicine and Rehabilitation



Source: NRMP Data Warehouse. Note: Probabilities calculated based on 2022-2024 applicants

Chart PM-3

USMLE Step 1 Scores of U.S. MD Seniors

Physical Medicine and Rehabilitation

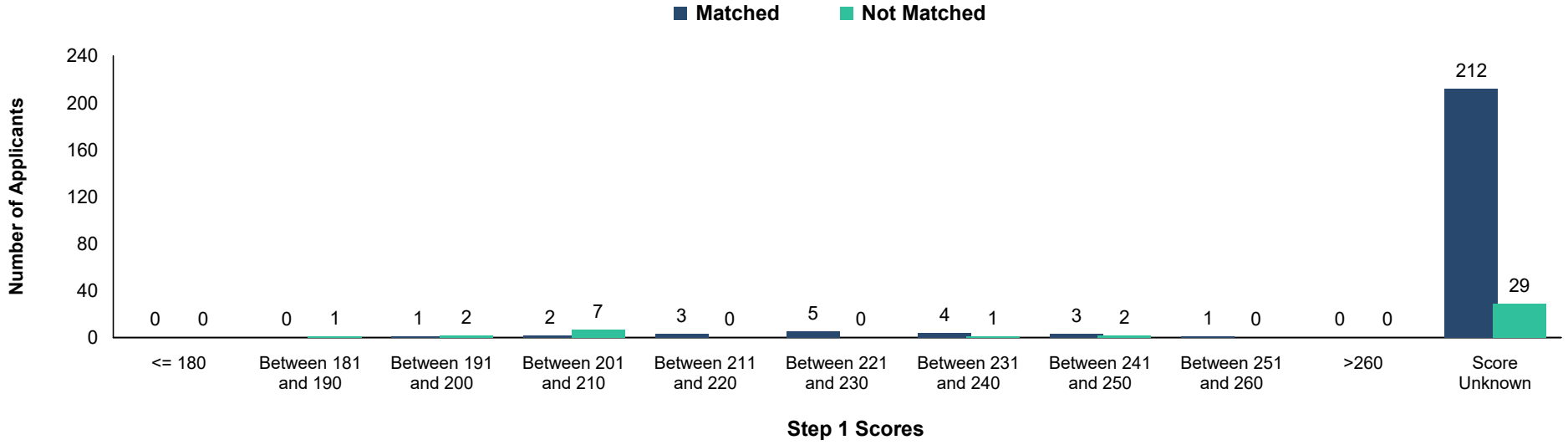
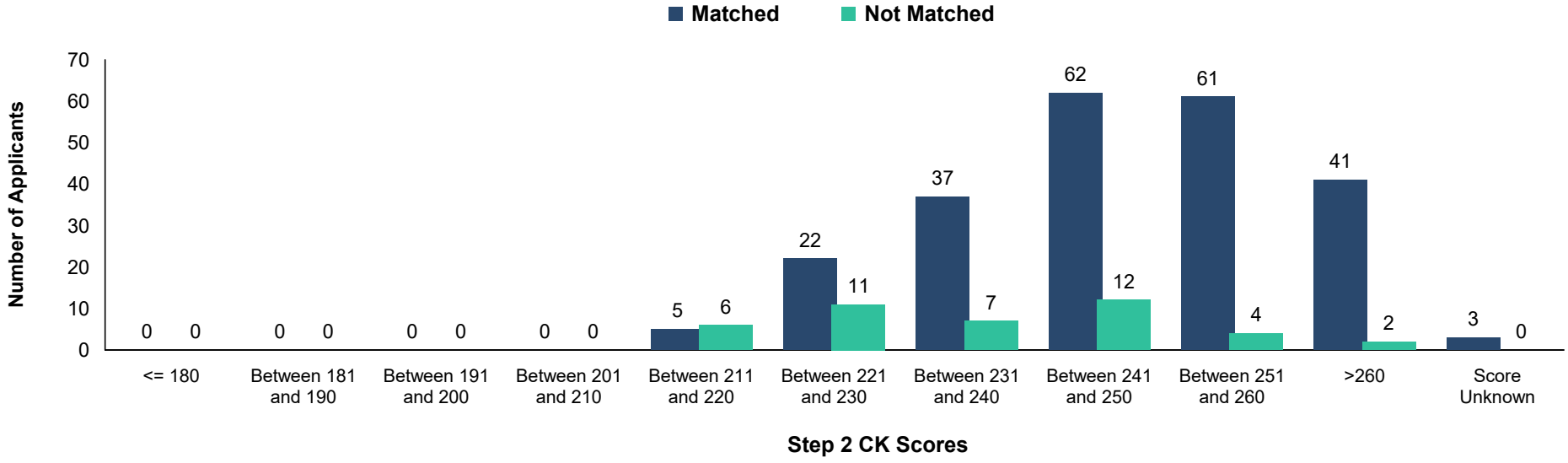


Chart PM-4

USMLE Step 2 CK Scores of U.S. MD Seniors

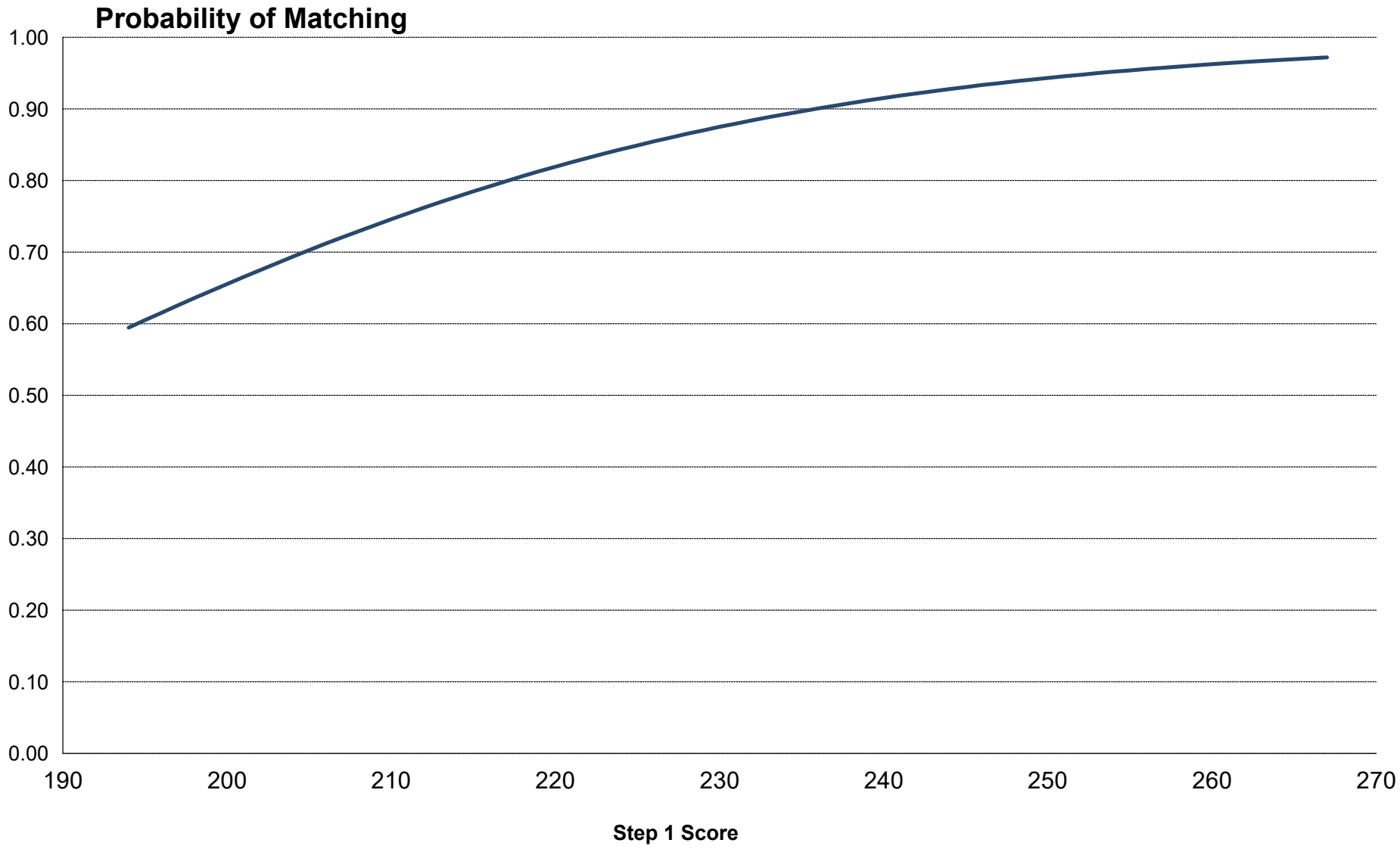
Physical Medicine and Rehabilitation



Graph PM-2

Probability of U.S. MD Seniors Matching to Preferred Specialty by USMLE Step 1 Score

Physical Medicine and Rehabilitation

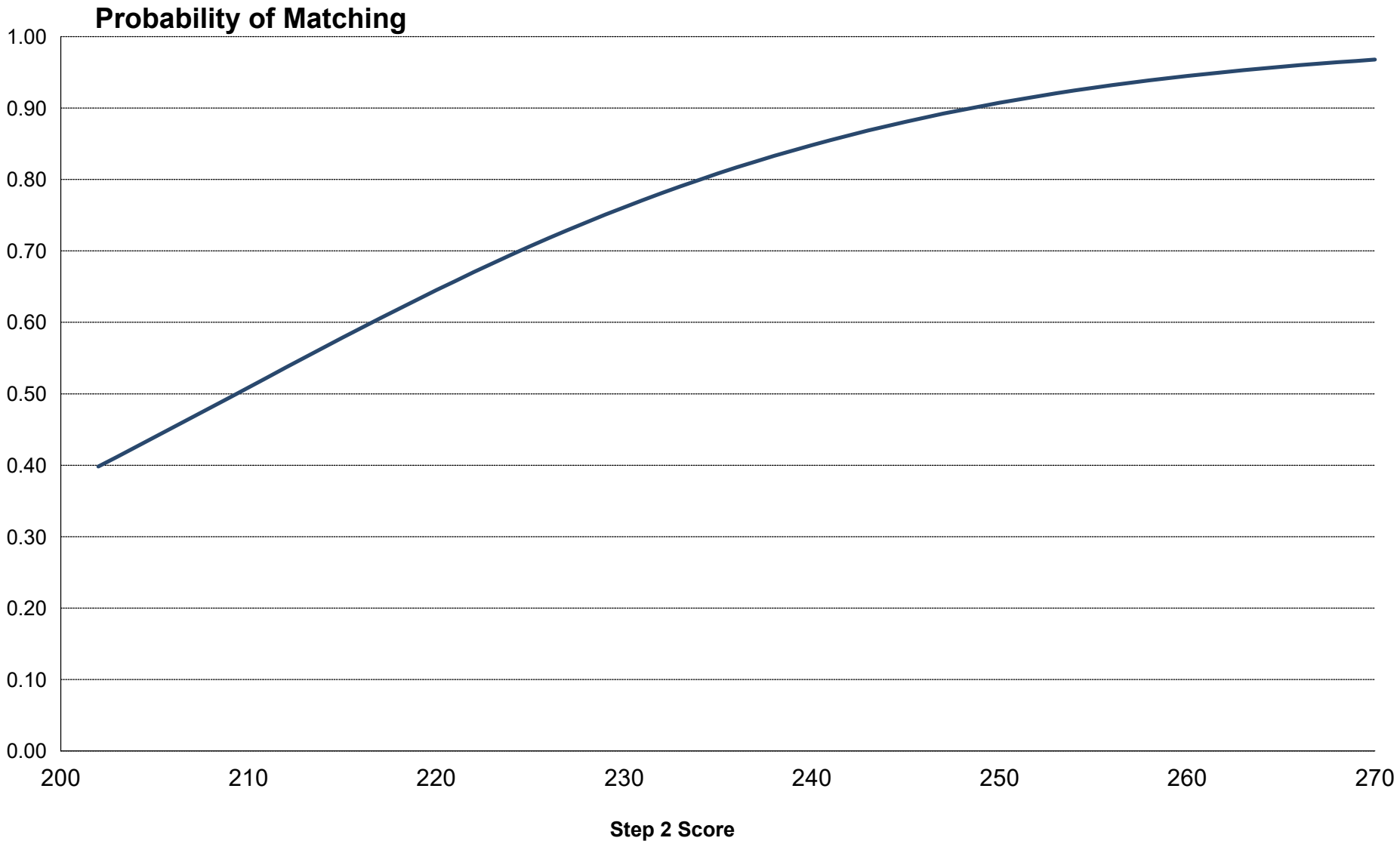


Source: NRMP Data Warehouse. Note: Probabilities calculated based on 2022-2024 applicants.

Graph PM-3

Probability of U.S. MD Seniors Matching to Preferred Specialty by USMLE Step 2 Score

Physical Medicine and Rehabilitation



Source: NRMP Data Warehouse. Note: Probabilities calculated based on 2022-2024 applicants.

Chart PM-5

Number of Research Projects of U.S. MD Seniors

Physical Medicine and Rehabilitation

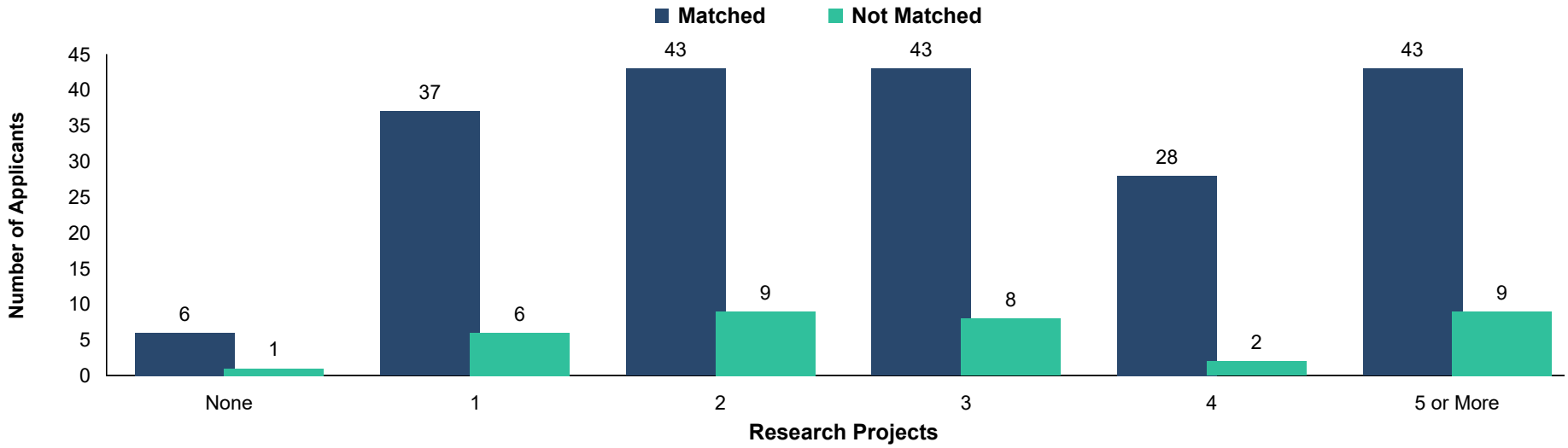
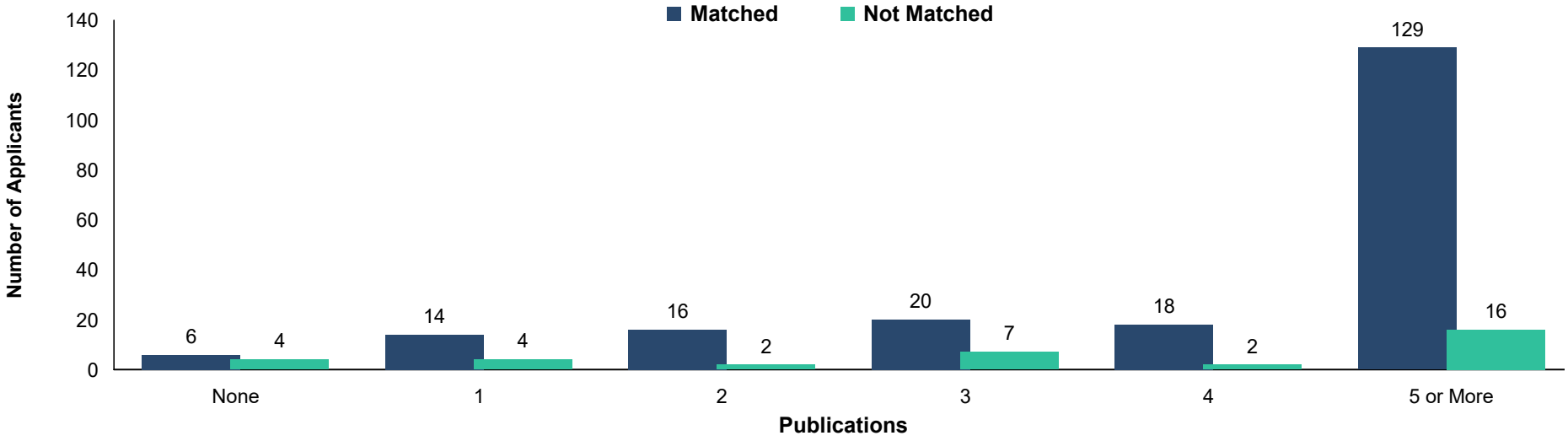


Chart PM-6

Number of Abstracts, Presentations, and Publications of U.S. MD Seniors

Physical Medicine and Rehabilitation



Source: NRMP Data Warehouse

Chart PM-7

Number of Work Experiences of U.S. MD Seniors

Physical Medicine and Rehabilitation

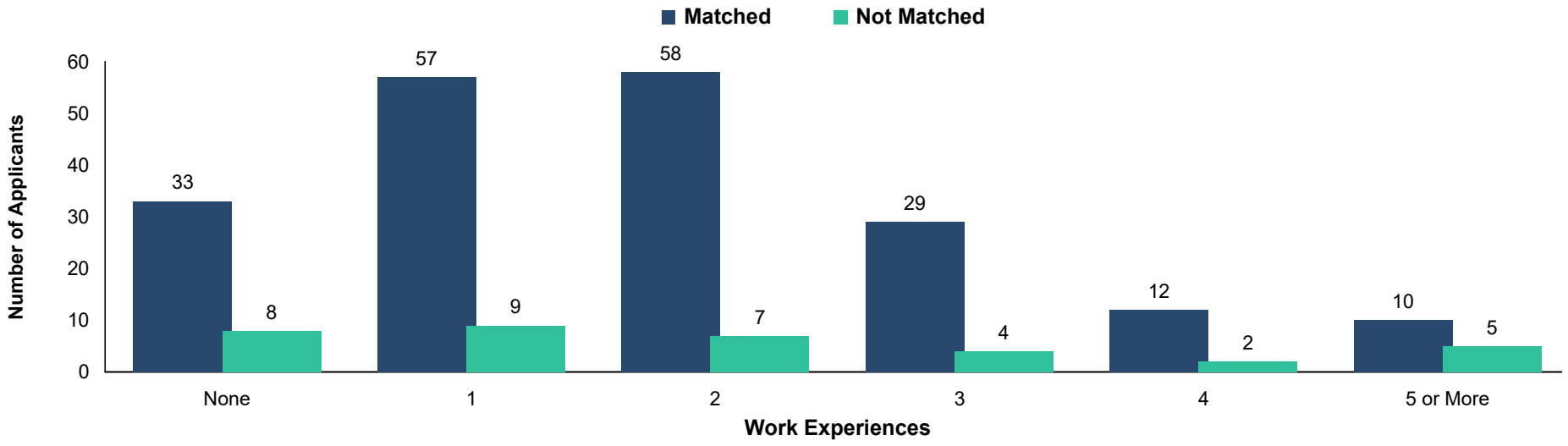
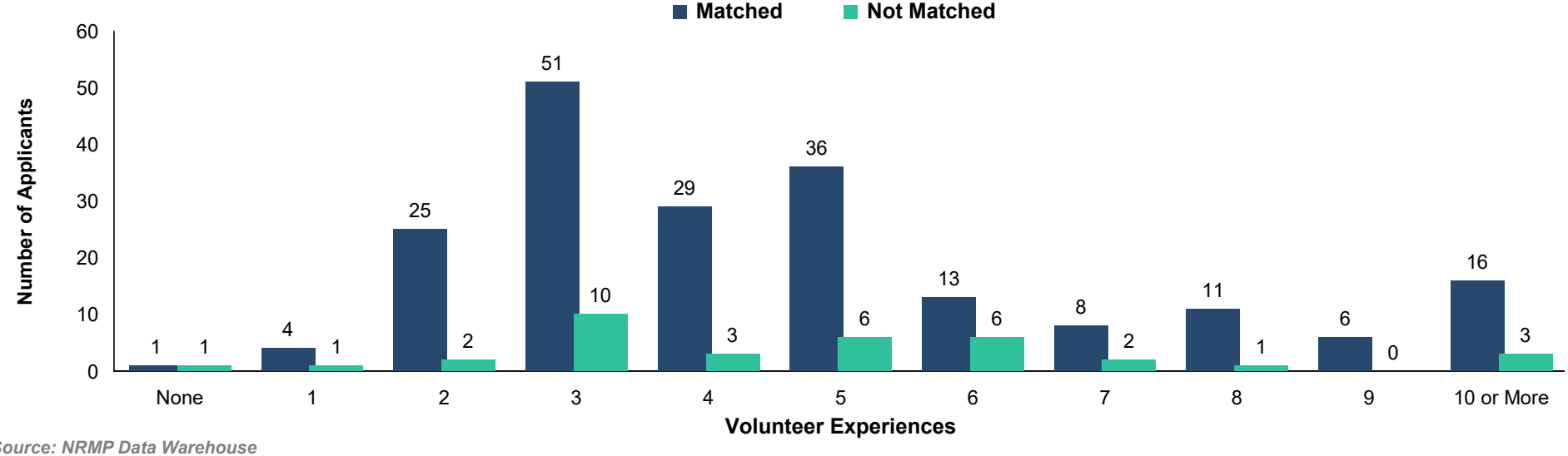


Chart PM-8

Number of Volunteer Experiences of U.S. MD Seniors

Physical Medicine and Rehabilitation

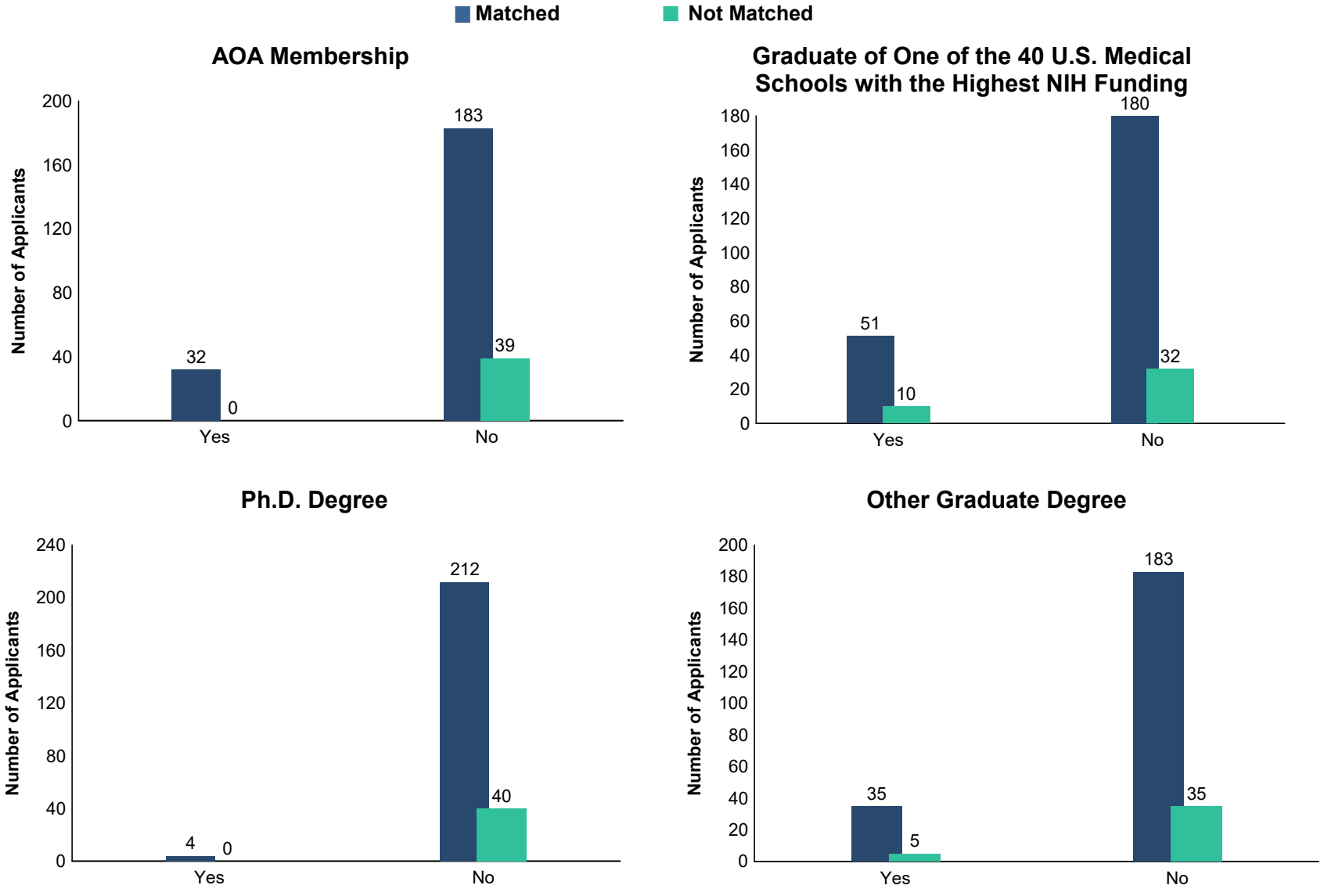


Source: NRMP Data Warehouse

Chart PM-9

Other Characteristics of U.S. MD Seniors

Physical Medicine and Rehabilitation



Source: NRMP Data Warehouse. Top 40 U.S. medical schools with the highest NIH funding from NIH: http://report.nih.gov/award/index.cfm

PS Plastic Surgery

Table PS-1 Summary Statistics on U.S. MD Seniors
Plastic Surgery

Measure	Matched (n=159)	Unmatched (n=48)
1. Mean number of contiguous ranks	13.6	7.4
2. Mean number of distinct specialties ranked	1.2	1.4
3. Mean USMLE Step 1 score*	247	226
4. Mean USMLE Step 2 score	256	247
5. Mean number of research experiences	8.6	9.2
6. Mean number of abstracts, presentations, and publications	34.7	26.3
7. Mean number of work experiences	2.7	2.4
8. Mean number of volunteer experiences	5.0	4.9
9. Percentage who are AOA members	35.8	18.8
10. Percentage who graduated from one of the 40 U.S. medical schools with the highest NIH funding	44.7	31.3
11. Percentage who have Ph.D. degree	3.4	2.1
12. Percentage who have another graduate degree	24.0	27.1

Note: Only U.S. MD seniors who gave consent to use their information in research are included.
*Only applicants who indicated completion of the USMLE Step 1 exam prior to the transition to pass/fail (i.e., prior to January 26, 2022) had the option to self-report their Step 1 numeric score. In 2024, only 2,143 U.S. MD seniors self-reported Step 1 numeric scores.
Sources. NRMP Data Warehouse; Top 40 U.S. medical schools with the highest NIH funding in measure 10 is from the NIH website (http://report.nih.gov/award/index.cfm).

Chart PS-1

Number of Distinct Specialties Ranked by U.S. MD Seniors

Plastic Surgery

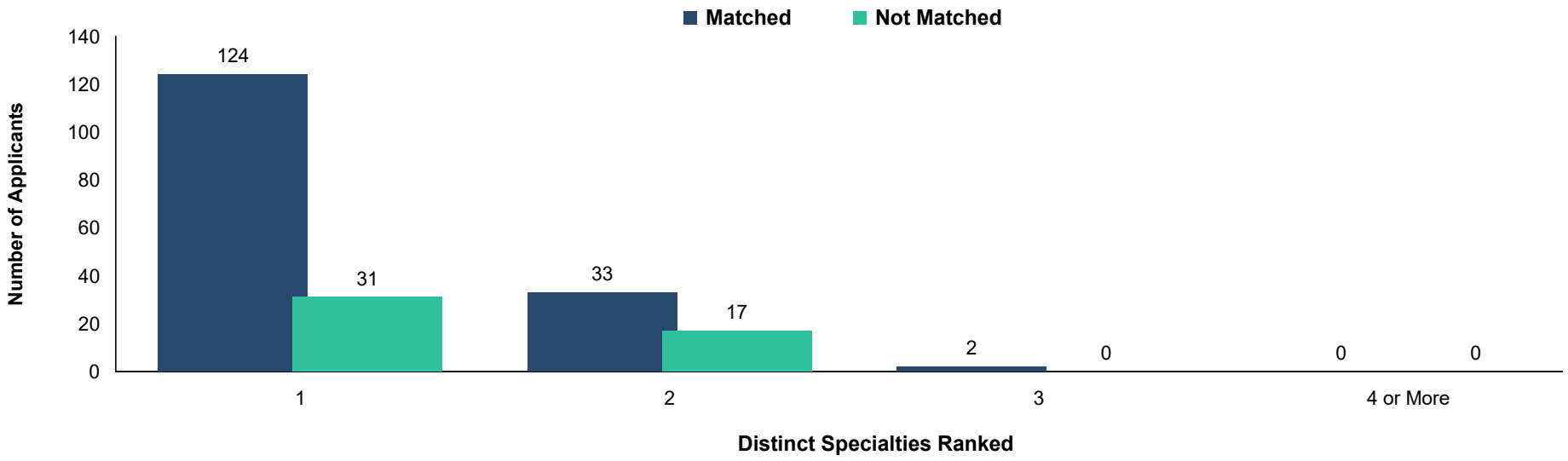
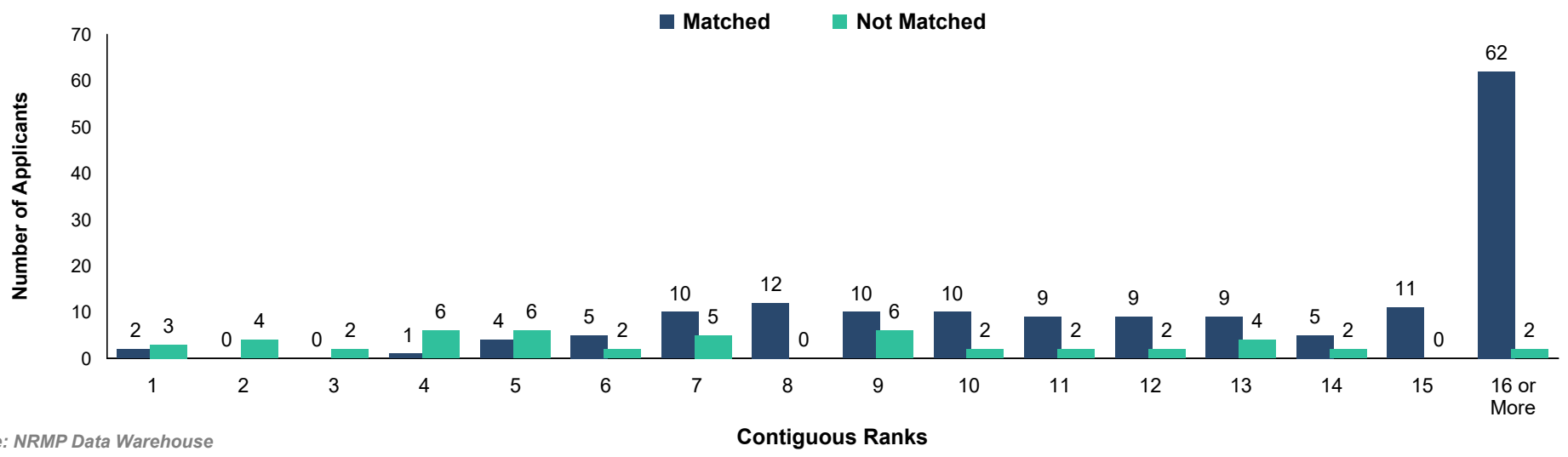


Chart PS-2

Number of Contiguous Ranks of U.S. MD Seniors

Plastic Surgery

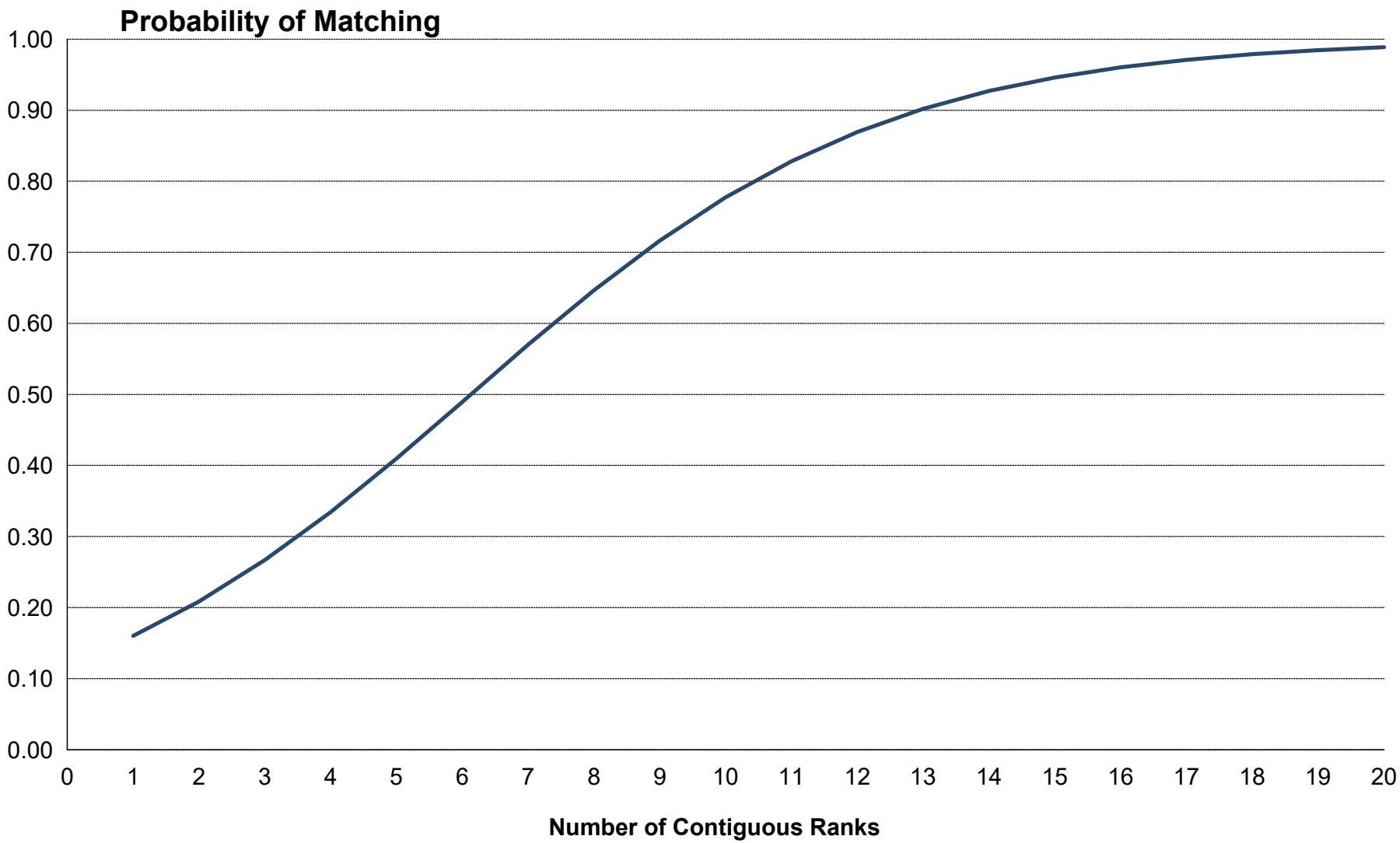


Source: NRMP Data Warehouse

Graph PS-1

Probability of U.S. MD Seniors Matching to Preferred Specialty by Number of Contiguous Ranks

Plastic Surgery



Source: NRMP Data Warehouse. Note: Probabilities calculated based on 2022-2024 applicants

Chart PS-3

USMLE Step 1 Scores of U.S. MD Seniors

Plastic Surgery

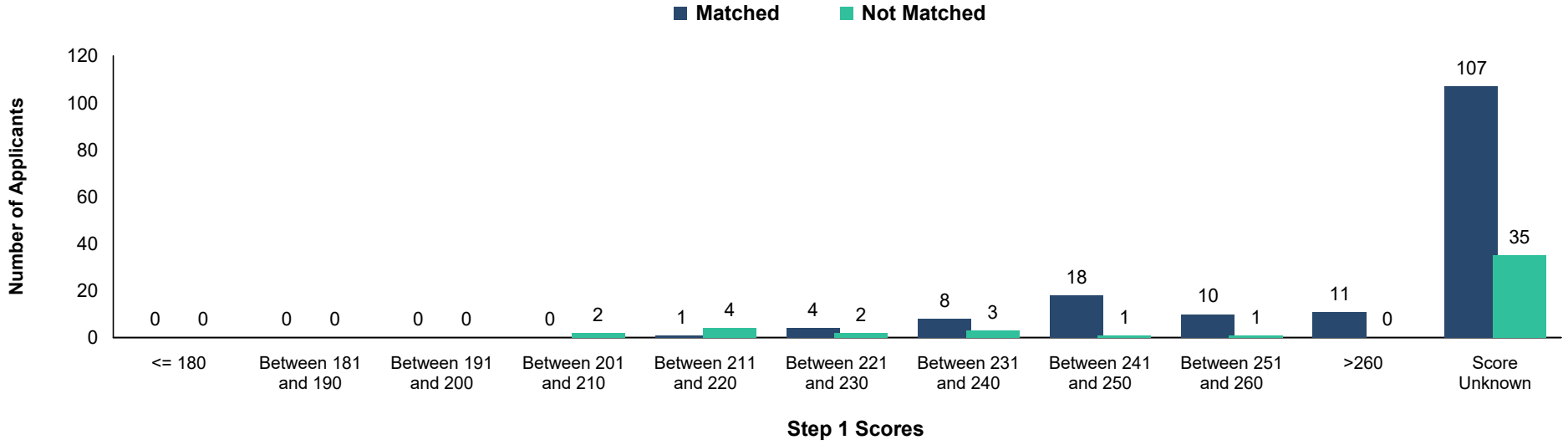
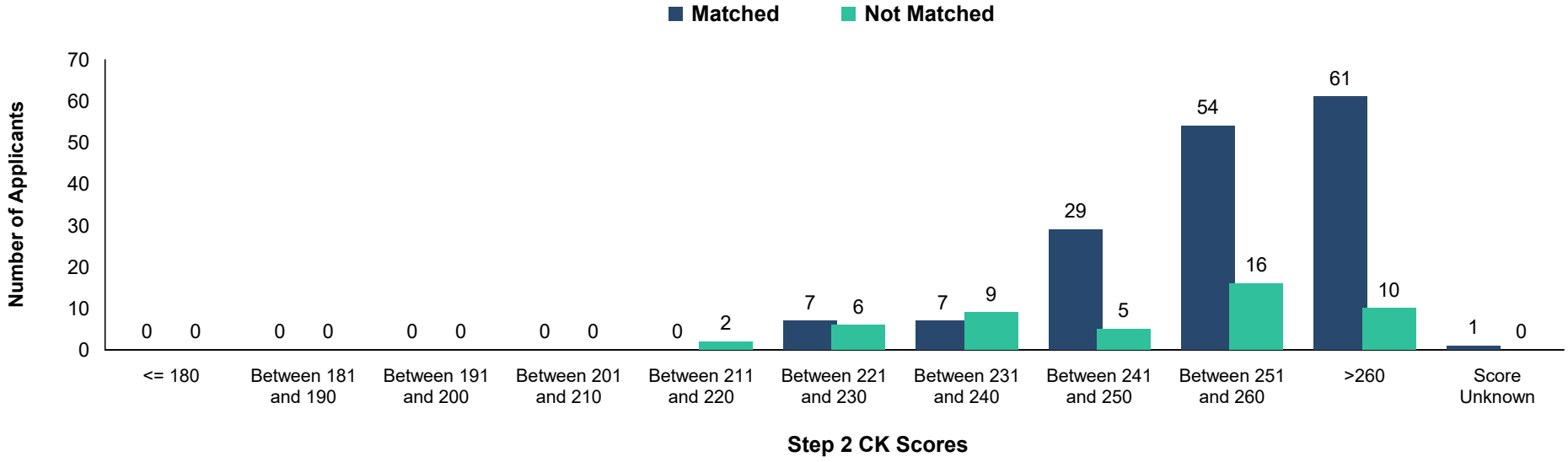


Chart PS-4

USMLE Step 2 CK Scores of U.S. MD Seniors

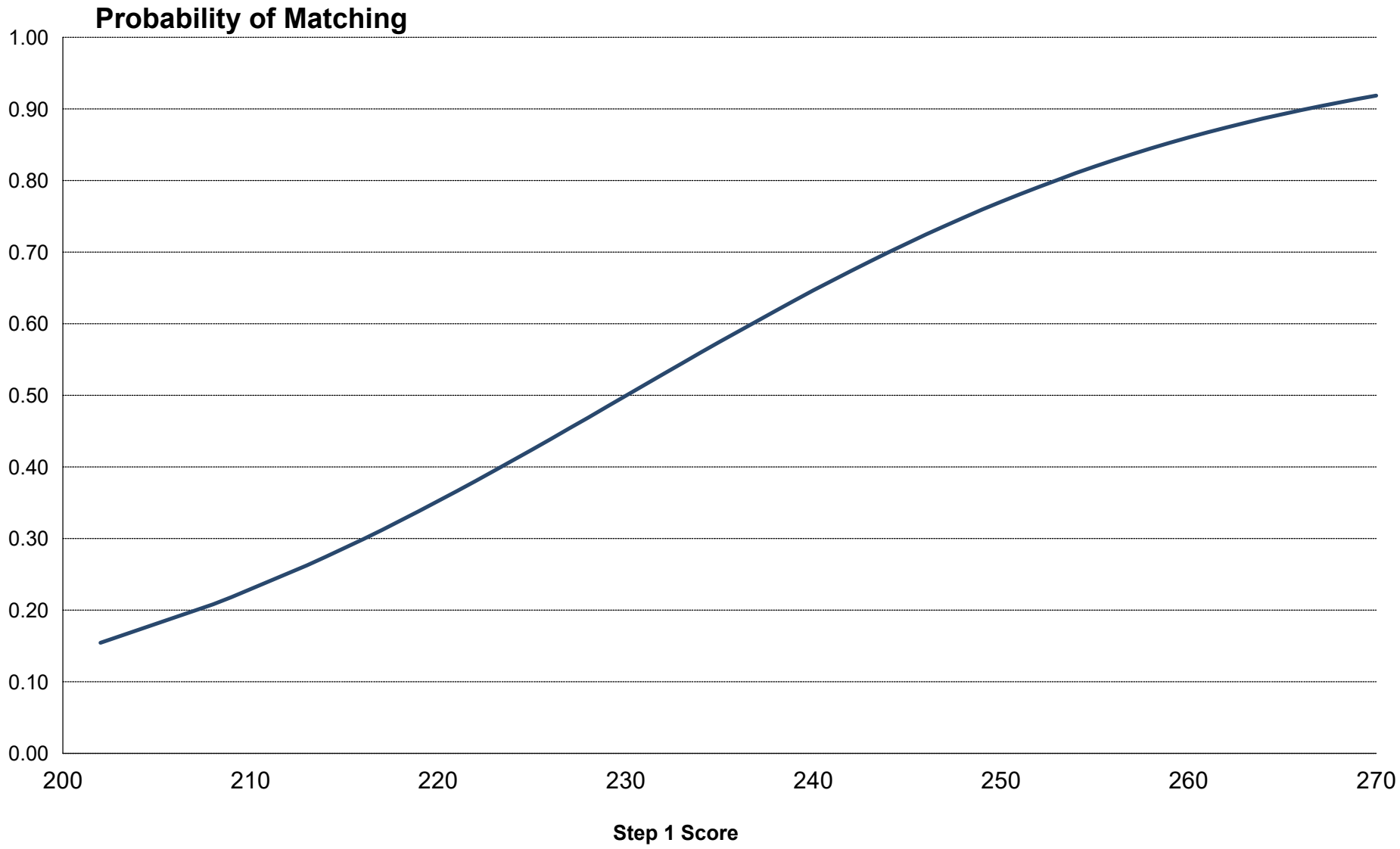
Plastic Surgery



Graph PS-2

Probability of U.S. MD Seniors Matching to Preferred Specialty by USMLE Step 1 Score

Plastic Surgery

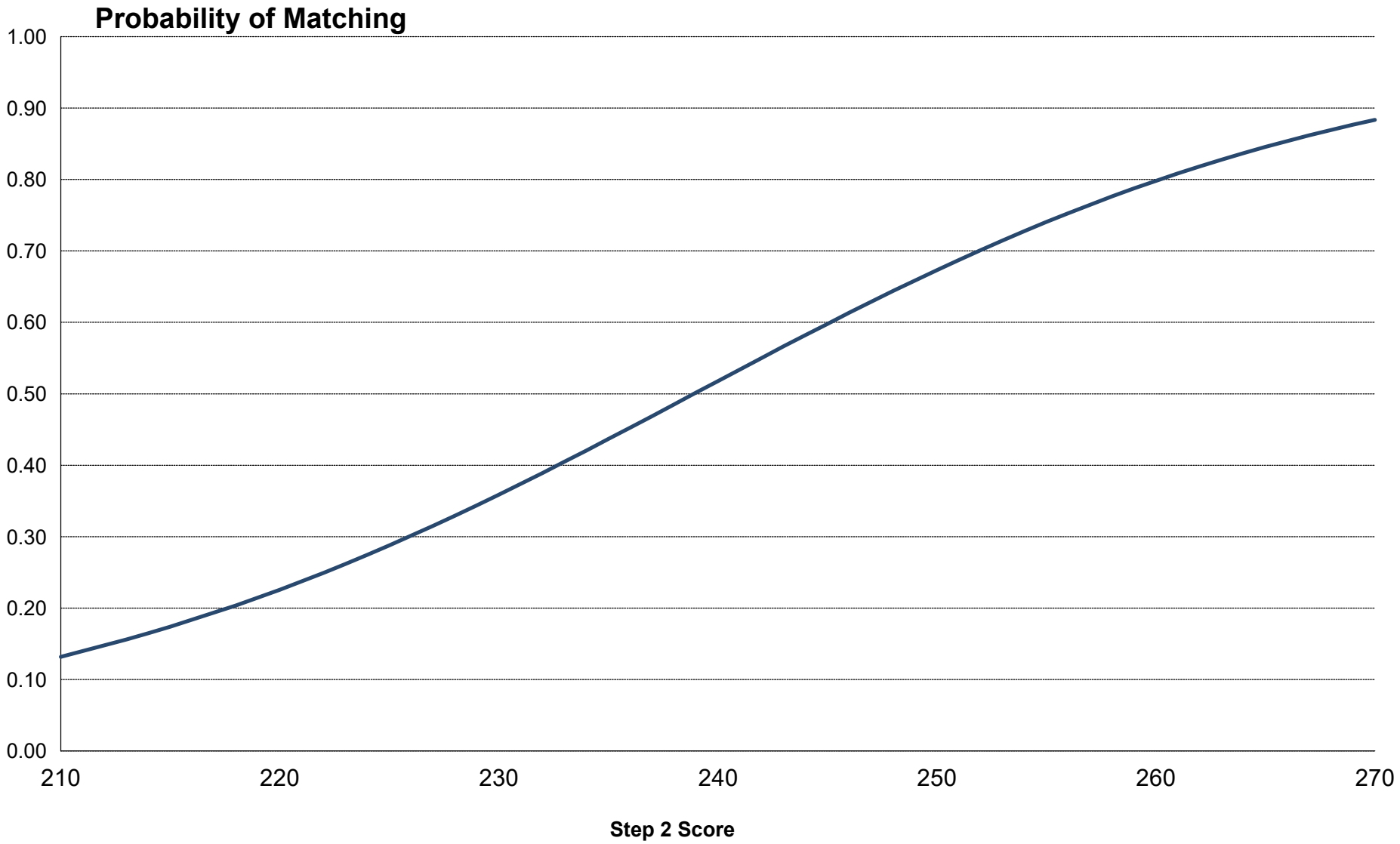


Source: NRMP Data Warehouse. Note: Probabilities calculated based on 2022-2024 applicants.

Graph PS-3

Probability of U.S. MD Seniors Matching to Preferred Specialty by USMLE Step 2 Score

Plastic Surgery



Source: NRMP Data Warehouse. Note: Probabilities calculated based on 2022-2024 applicants.

Chart PS-5

Number of Research Projects of U.S. MD Seniors

Plastic Surgery

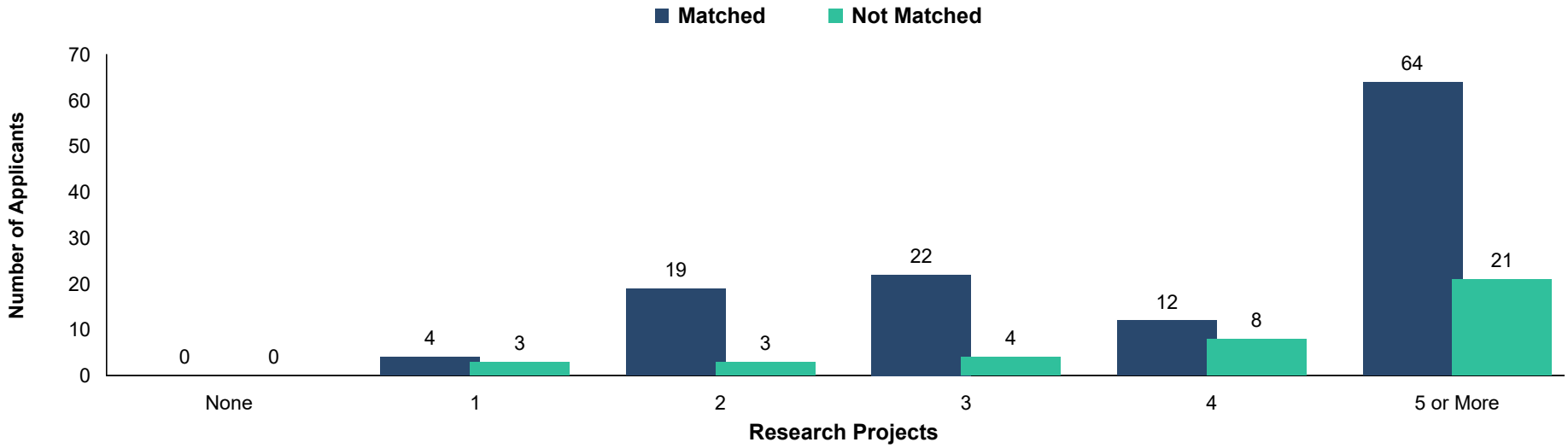
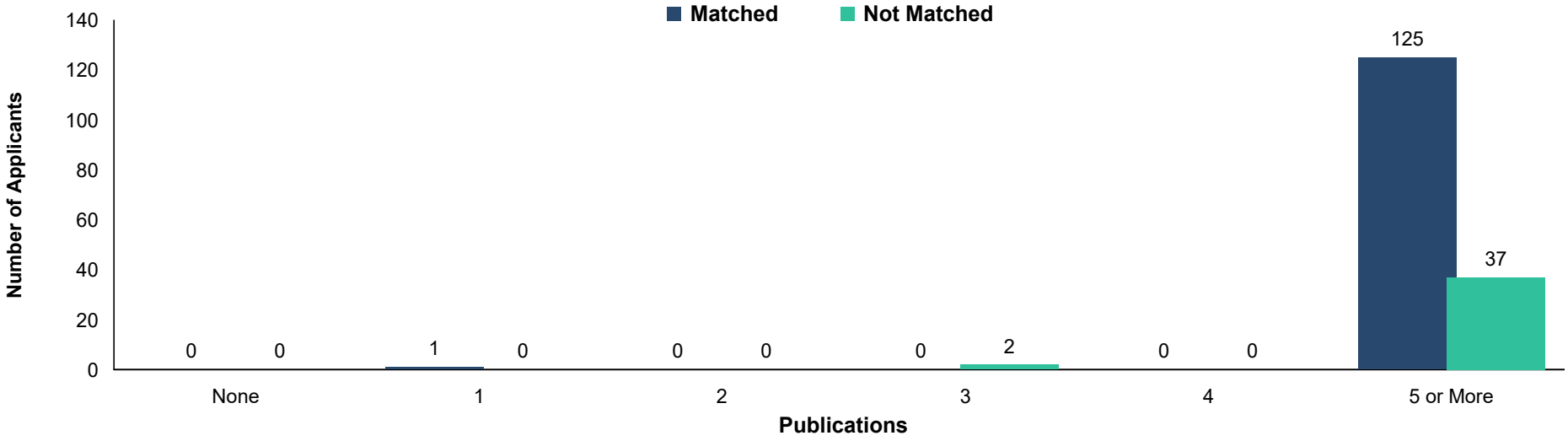


Chart PS-6

Number of Abstracts, Presentations, and Publications of U.S. MD Seniors

Plastic Surgery



Source: NRMP Data Warehouse

Chart PS-7

Number of Work Experiences of U.S. MD Seniors

Plastic Surgery

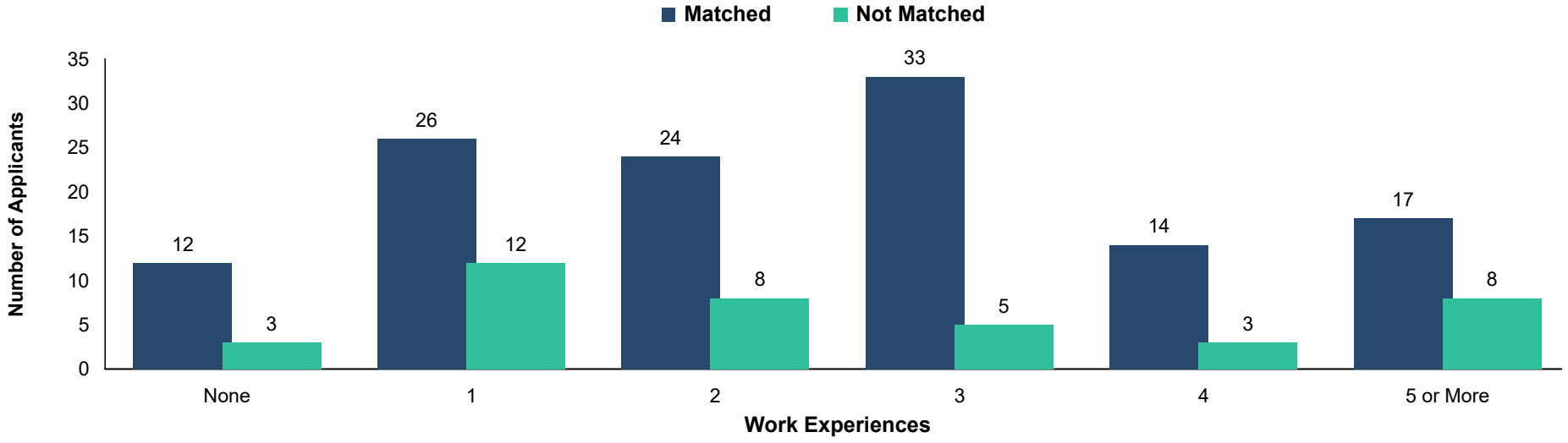
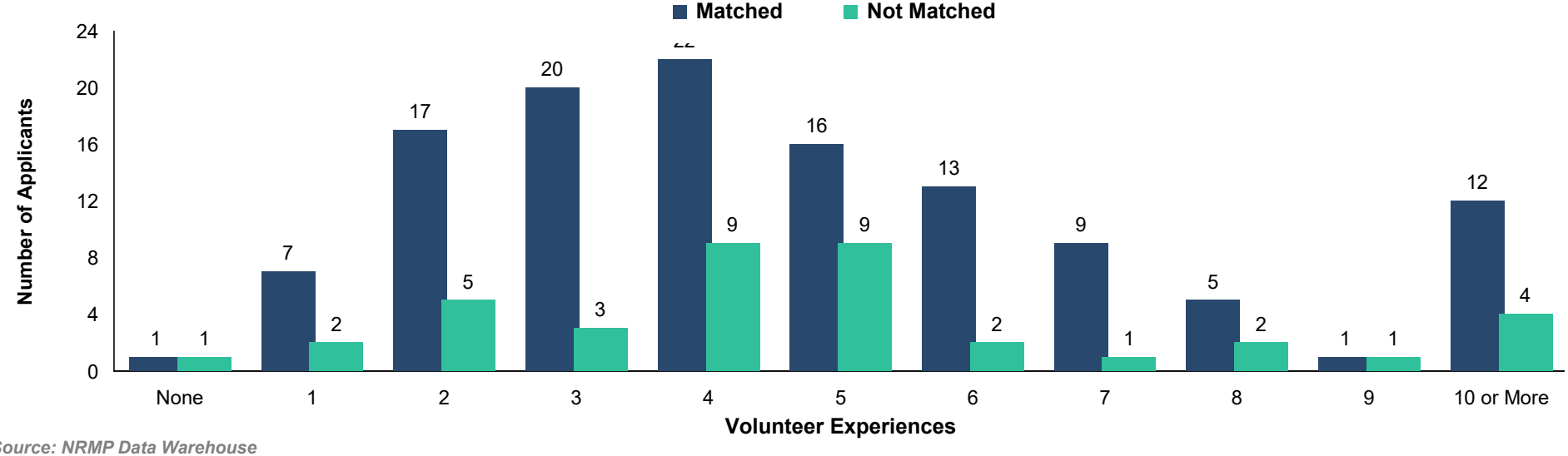


Chart PS-8

Number of Volunteer Experiences of U.S. MD Seniors

Plastic Surgery

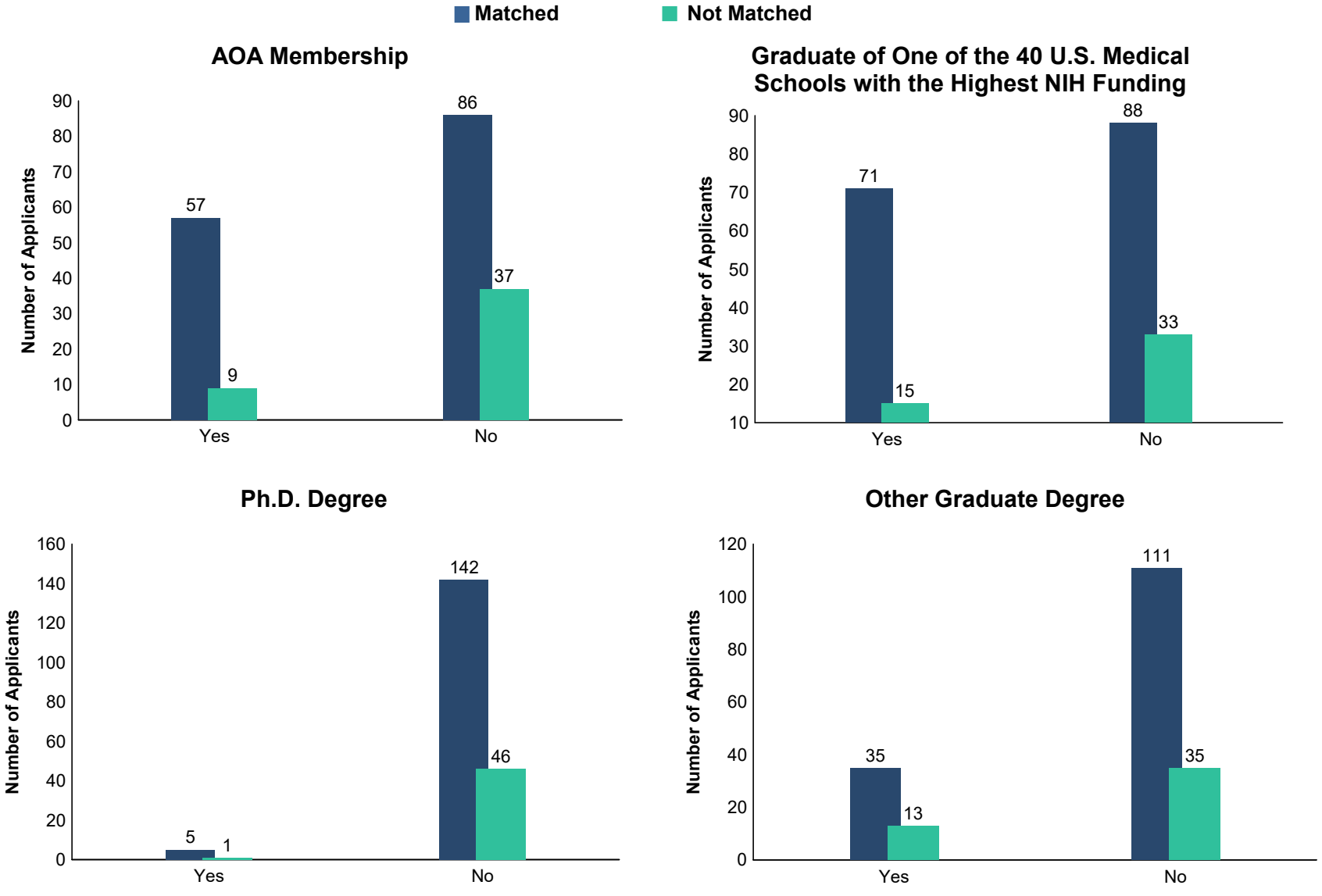


Source: NRMP Data Warehouse

Chart PS-9

Other Characteristics of U.S. MD Seniors

Plastic Surgery



Source: NRMP Data Warehouse. Top 40 U.S. medical schools with the highest NIH funding from NIH: http://report.nih.gov/award/index.cfm

P Psychiatry

Table P-1 Summary Statistics on U.S. MD Seniors
Psychiatry

Measure	Matched (n=1,051)	Unmatched (n=123)
1. Mean number of contiguous ranks	11.5	5.2
2. Mean number of distinct specialties ranked	1.1	1.3
3. Mean USMLE Step 1 score*	226	216
4. Mean USMLE Step 2 score	246	235
5. Mean number of research experiences	3.0	3.1
6. Mean number of abstracts, presentations, and publications	7.5	4.6
7. Mean number of work experiences	1.9	2.1
8. Mean number of volunteer experiences	4.5	4.0
9. Percentage who are AOA members	9.2	1.6
10. Percentage who graduated from one of the 40 U.S. medical schools with the highest NIH funding	30.4	26.0
11. Percentage who have Ph.D. degree	4.8	2.7
12. Percentage who have another graduate degree	20.5	23.4

Note: Only U.S. MD seniors who gave consent to use their information in research are included.
*Only applicants who indicated completion of the USMLE Step 1 exam prior to the transition to pass/fail (i.e., prior to January 26, 2022) had the option to self-report their Step 1 numeric score. In 2024, only 2,143 U.S. MD seniors self-reported Step 1 numeric scores.
Sources. NRMP Data Warehouse; Top 40 U.S. medical schools with the highest NIH funding in measure 10 is from the NIH website (http://report.nih.gov/award/index.cfm).

Chart P-1

Number of Distinct Specialties Ranked by U.S. MD Seniors

Psychiatry

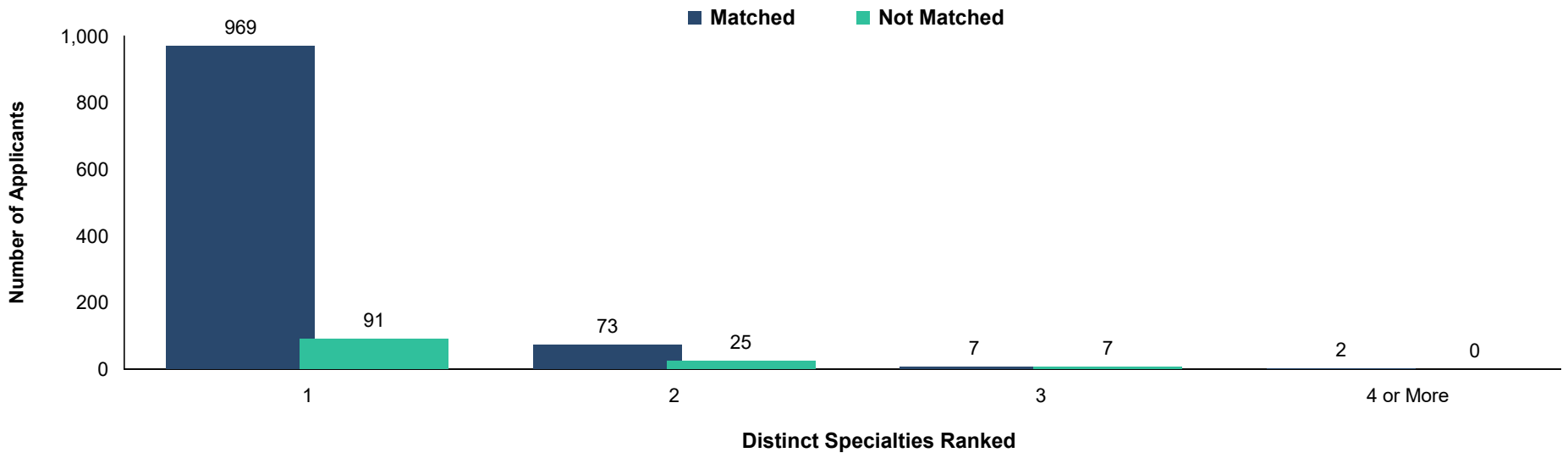
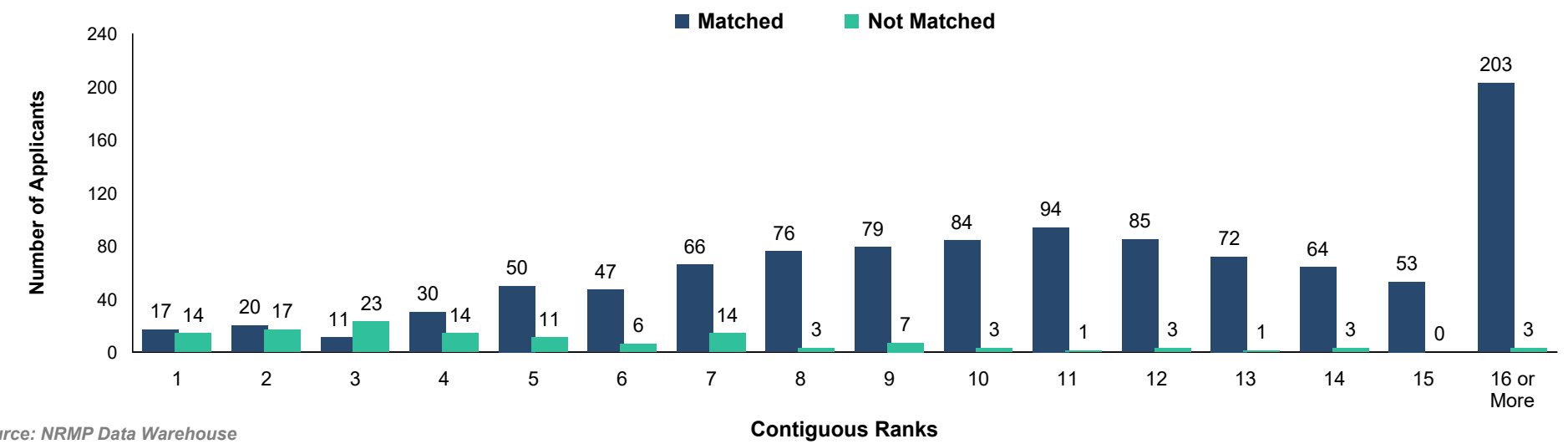


Chart P-2

Number of Contiguous Ranks of U.S. MD Seniors

Psychiatry

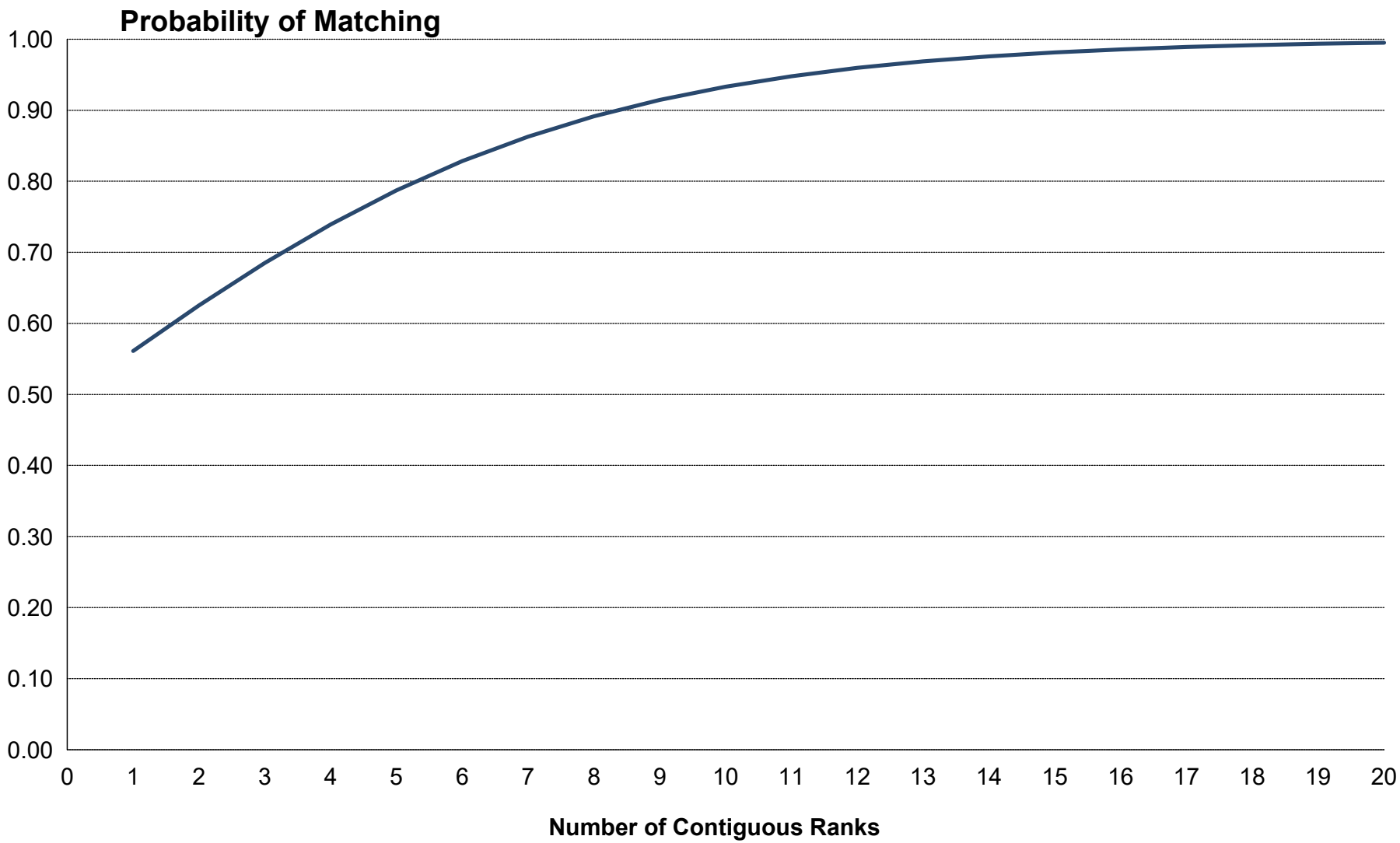


Source: NRMP Data Warehouse

Graph P-1

Probability of U.S. MD Seniors Matching to Preferred Specialty by Number of Contiguous Ranks

Psychiatry



Source: NRMP Data Warehouse. Note: Probabilities calculated based on 2022-2024 applicants

Chart P-3

USMLE Step 1 Scores of U.S. MD Seniors

Psychiatry

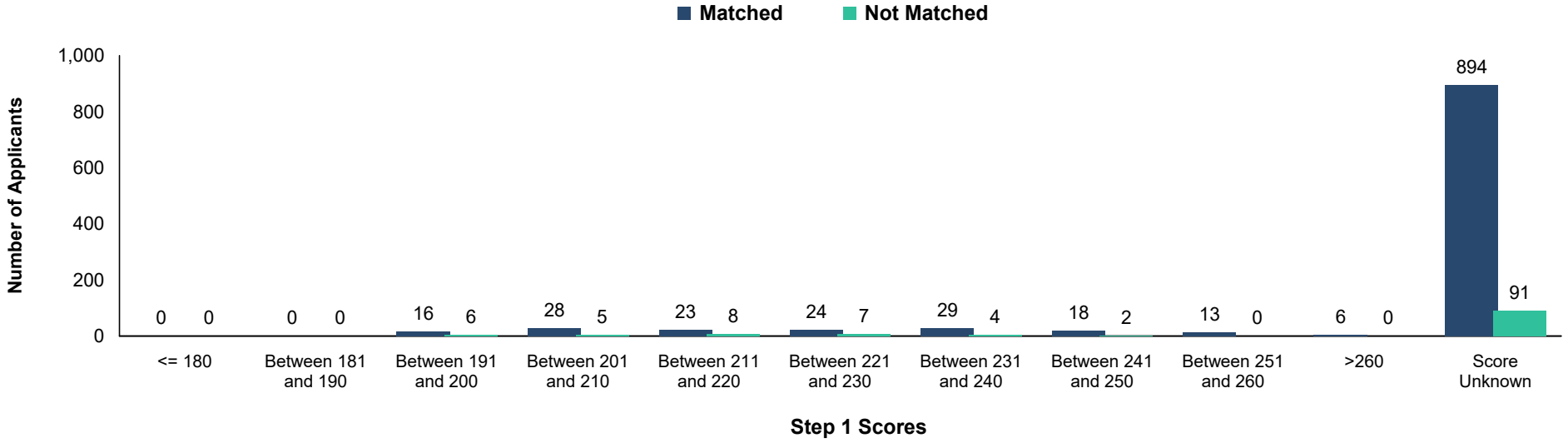
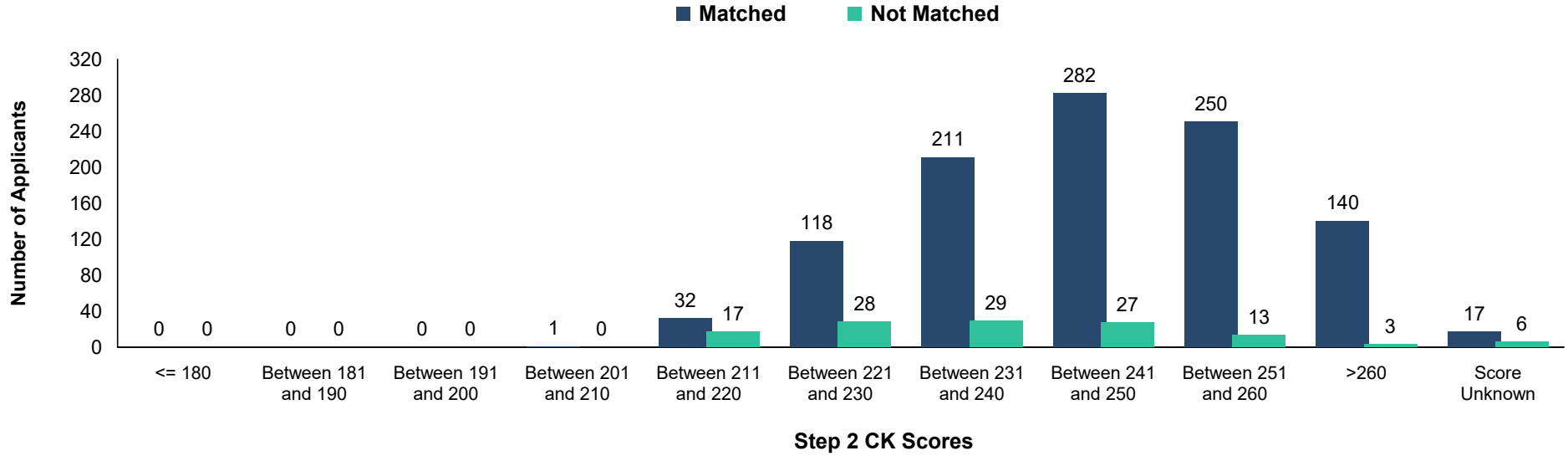


Chart P-4

USMLE Step 2 CK Scores of U.S. MD Seniors

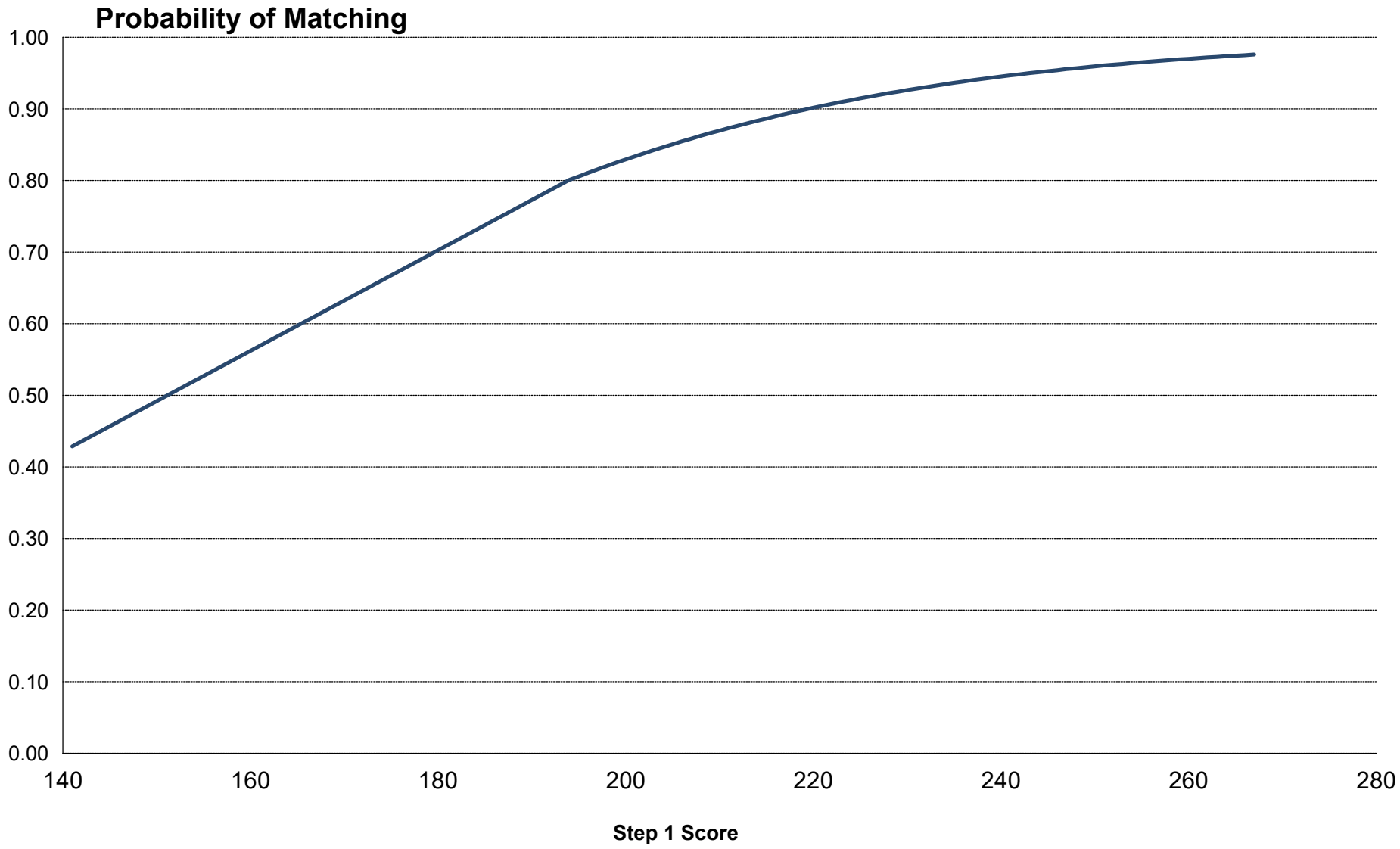
Psychiatry



Graph P-2

Probability of U.S. MD Seniors Matching to Preferred Specialty by USMLE Step 1 Score

Psychiatry

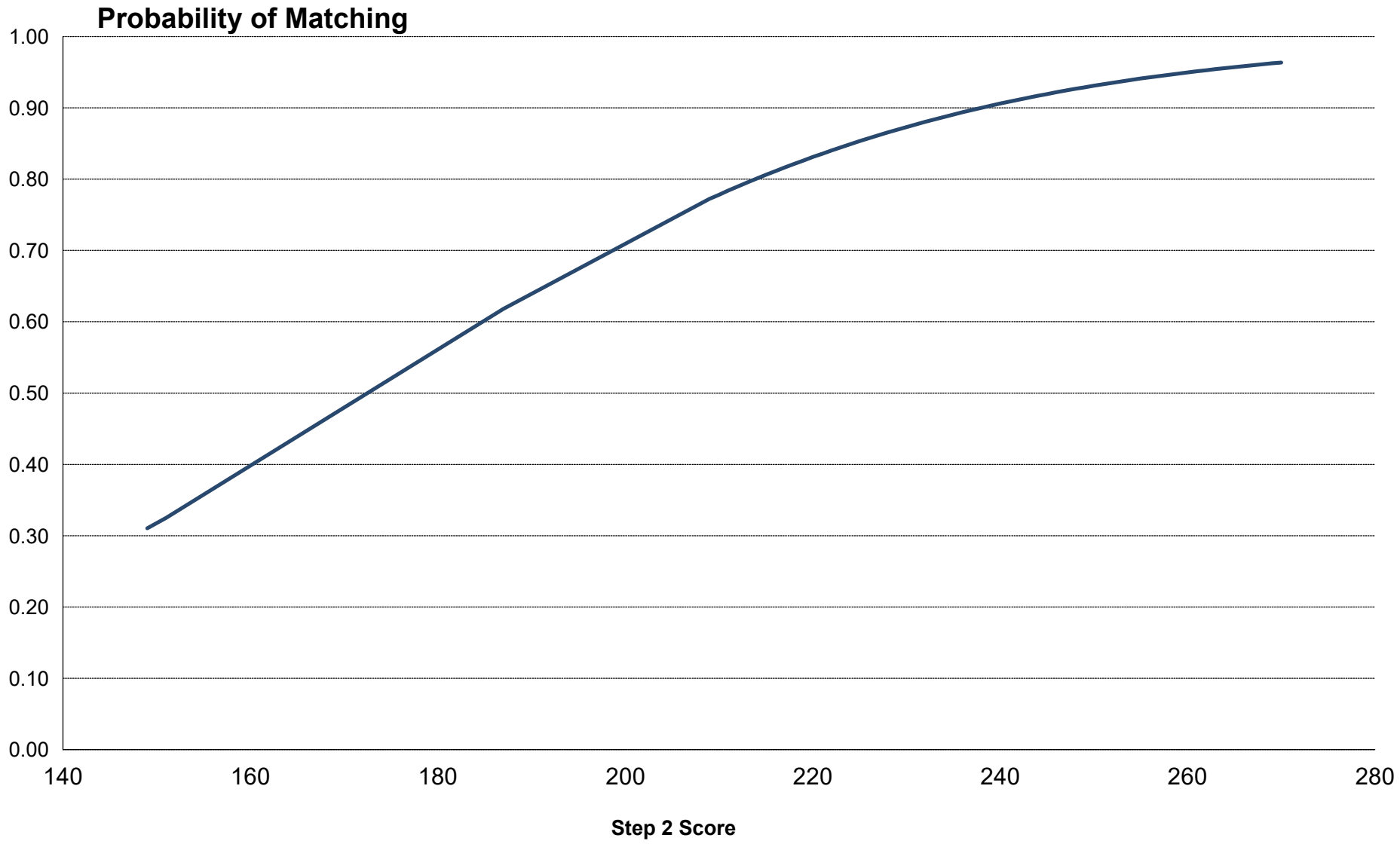


Source: NRMP Data Warehouse. Note: Probabilities calculated based on 2022-2024 applicants.

Graph P-3

Probability of U.S. MD Seniors Matching to Preferred Specialty by USMLE Step 2 Score

Psychiatry



Source: NRMP Data Warehouse. Note: Probabilities calculated based on 2022-2024 applicants.

Chart P-5

Number of Research Projects of U.S. MD Seniors

Psychiatry

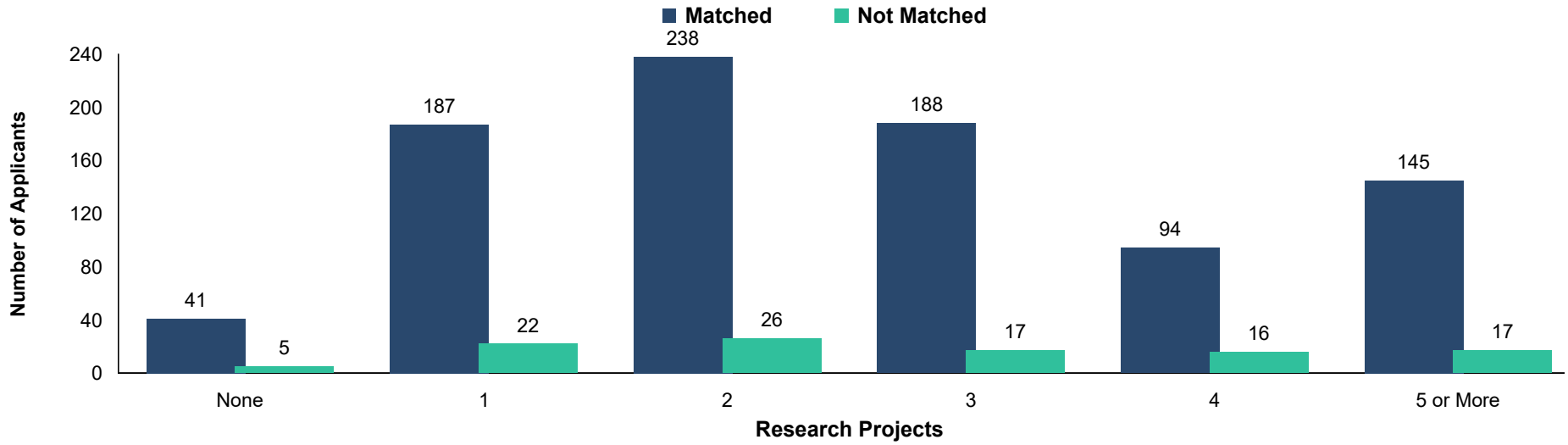
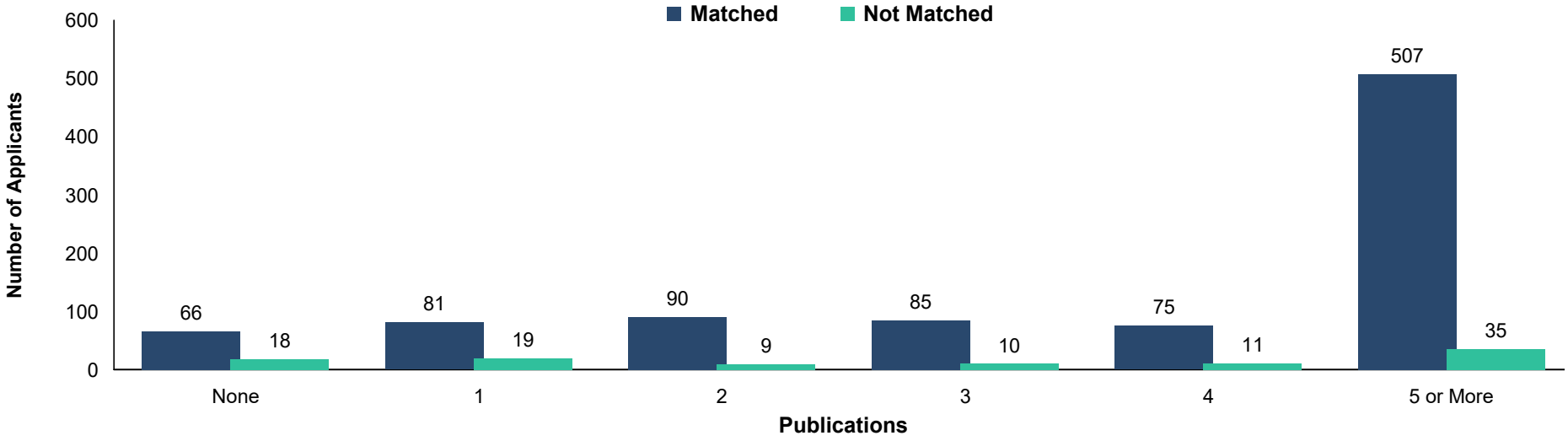


Chart P-6

Number of Abstracts, Presentations, and Publications of U.S. MD Seniors

Psychiatry



Source: NRMP Data Warehouse

Chart P-7

Number of Work Experiences of U.S. MD Seniors

Psychiatry

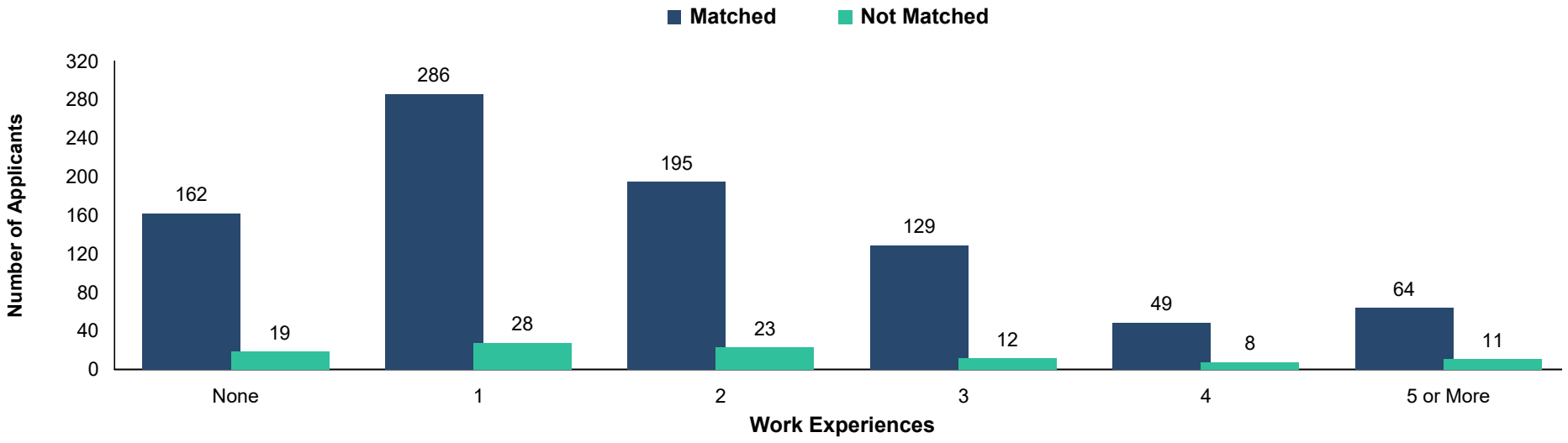
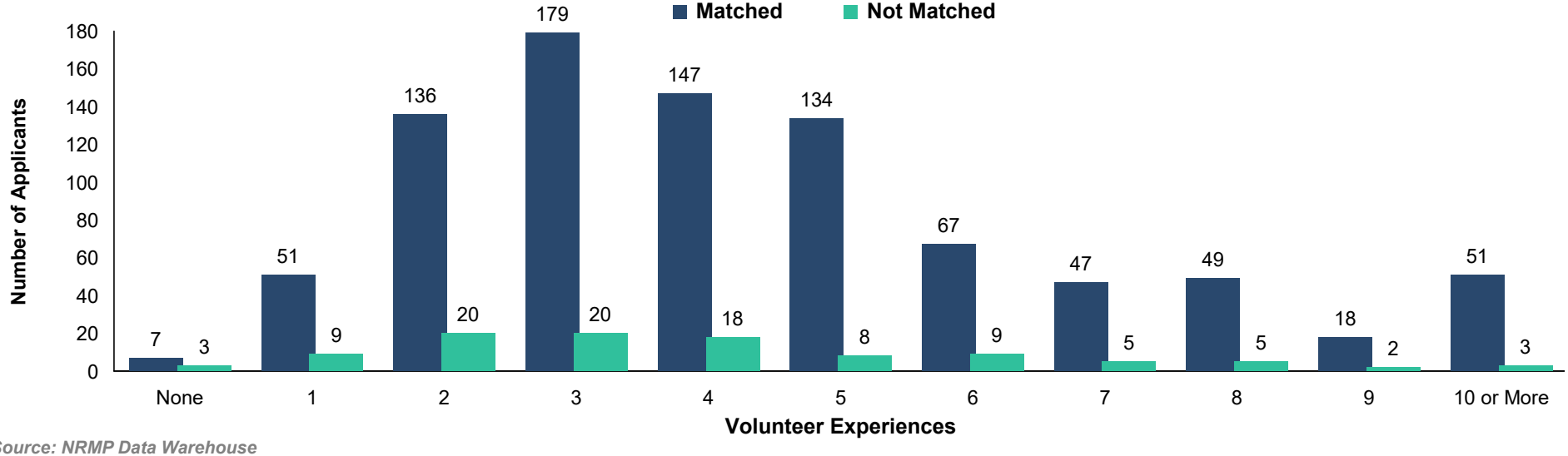


Chart P-8

Number of Volunteer Experiences of U.S. MD Seniors

Psychiatry

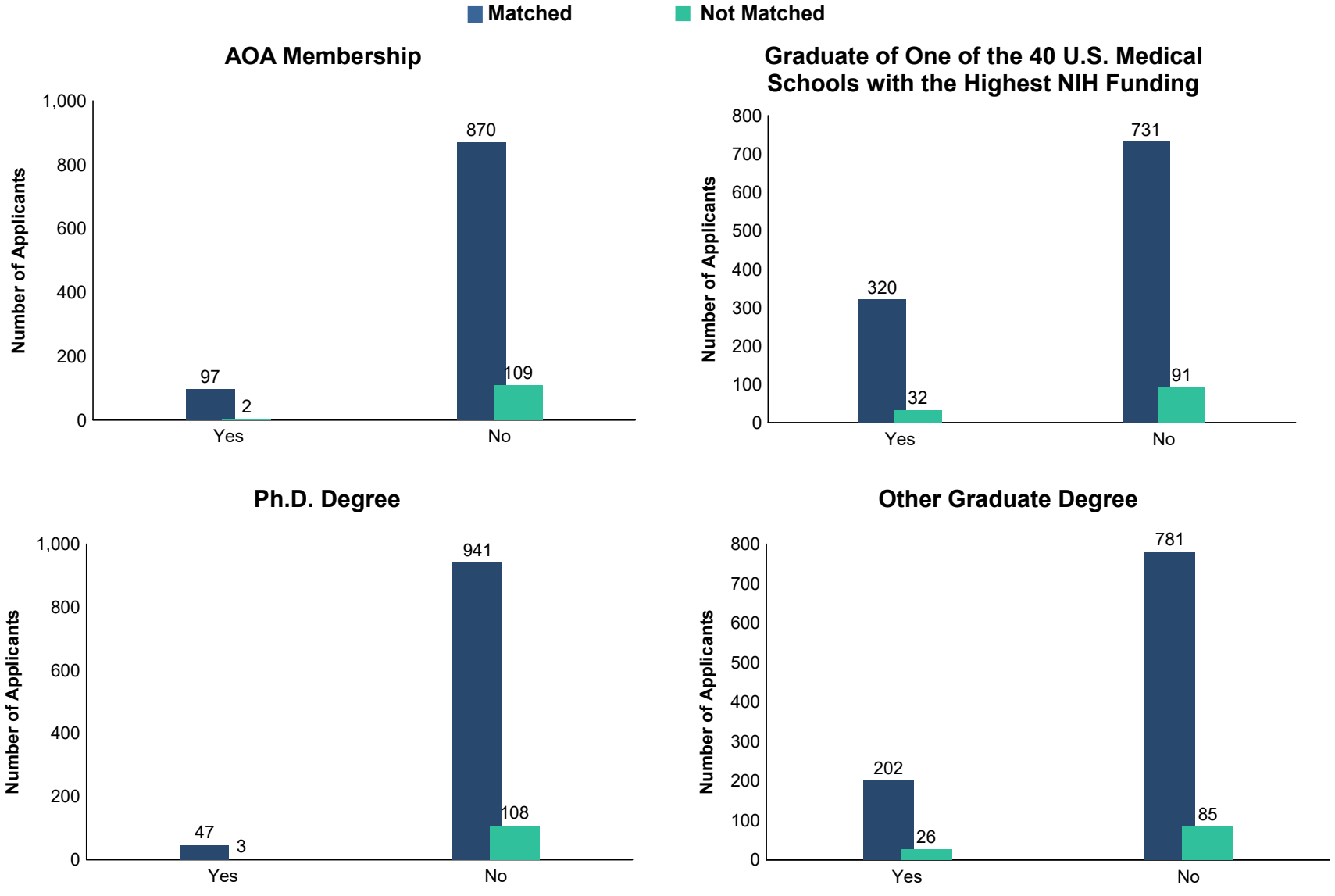


Source: NRMP Data Warehouse

Chart P-9

Other Characteristics of U.S. MD Seniors

Psychiatry



Source: NRMP Data Warehouse. Top 40 U.S. medical schools with the highest NIH funding from NIH: http://report.nih.gov/award/index.cfm

RO Radiation Oncology

Table RO-1 Summary Statistics on U.S. MD Seniors
Radiation Oncology

Measure	Matched (n=103)	Unmatched (n=3)
1. Mean number of contiguous ranks	16.1	1.3
2. Mean number of distinct specialties ranked	1.2	2.3
3. Mean USMLE Step 1 score*	238	
4. Mean USMLE Step 2 score	252	242
5. Mean number of research experiences	4.2	2.0
6. Mean number of abstracts, presentations, and publications	15.9	13.5
7. Mean number of work experiences	1.6	2.0
8. Mean number of volunteer experiences	3.9	2.0
9. Percentage who are AOA members	15.5	0.0
10. Percentage who graduated from one of the 40 U.S. medical schools with the highest NIH funding	34.0	33.3
11. Percentage who have Ph.D. degree	14.4	100.0
12. Percentage who have another graduate degree	16.8	100.0

Note: Only U.S. MD seniors who gave consent to use their information in research are included.
*Only applicants who indicated completion of the USMLE Step 1 exam prior to the transition to pass/fail (i.e., prior to January 26, 2022) had the option to self-report their Step 1 numeric score. In 2024, only 2,143 U.S. MD seniors self-reported Step 1 numeric scores.
Sources. NRMP Data Warehouse; Top 40 U.S. medical schools with the highest NIH funding in measure 10 is from the NIH website (http://report.nih.gov/award/index.cfm).

Chart RO-1

Number of Distinct Specialties Ranked by U.S. MD Seniors

Radiation Oncology

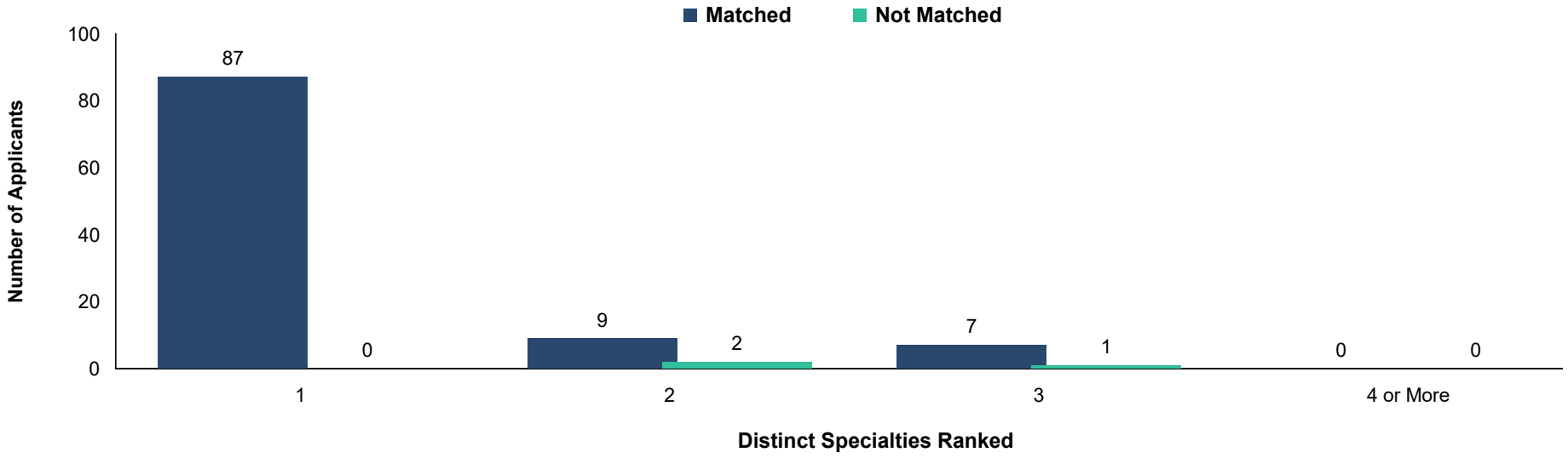
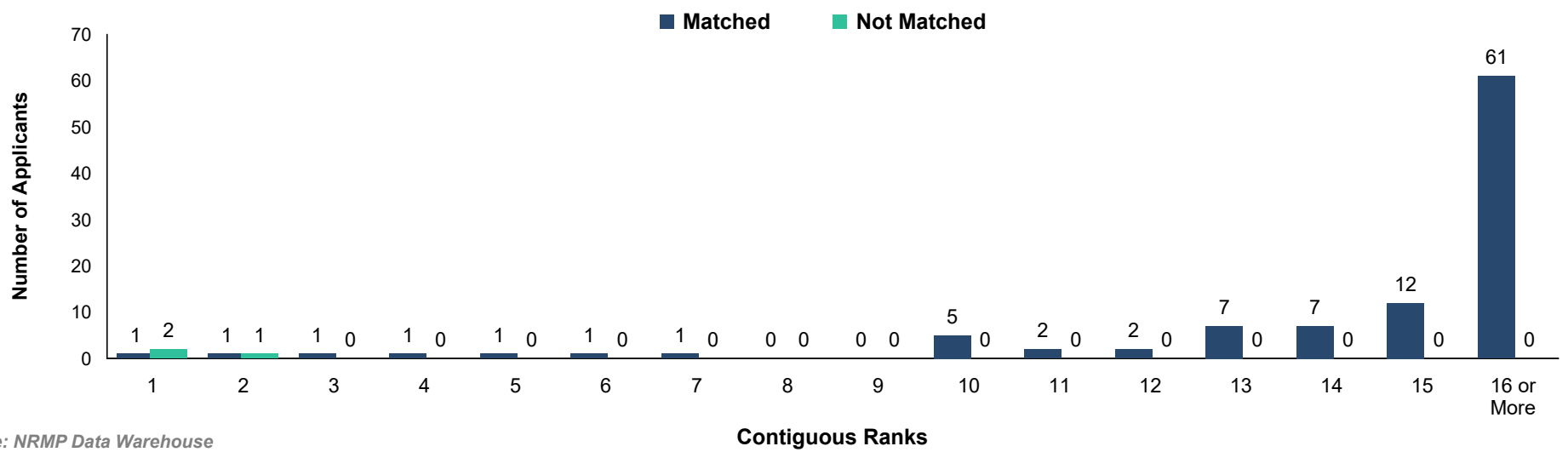


Chart RO-2

Number of Contiguous Ranks of U.S. MD Seniors

Radiation Oncology

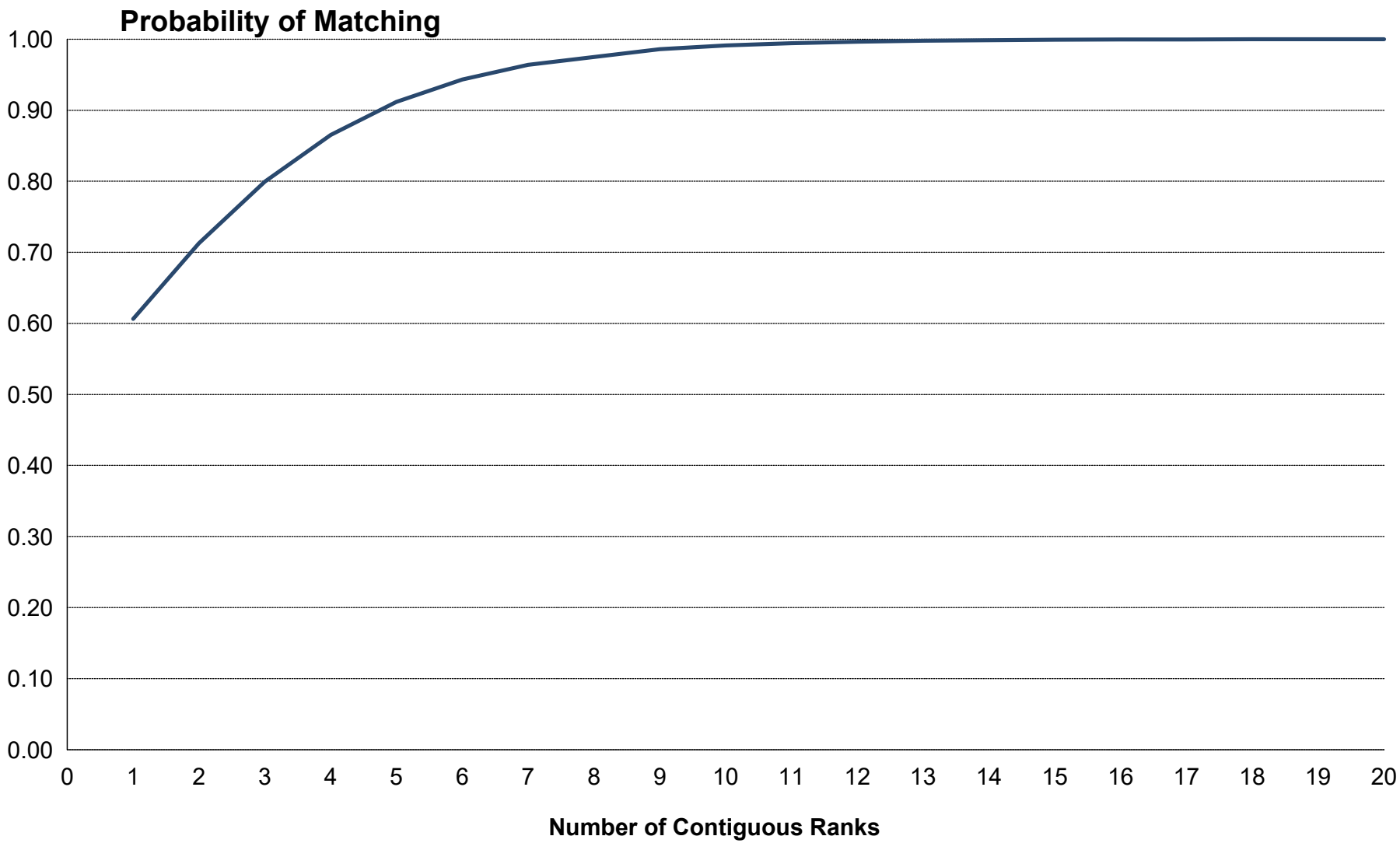


Source: NRMP Data Warehouse

Graph RO-1

Probability of U.S. MD Seniors Matching to Preferred Specialty by Number of Contiguous Ranks

Radiation Oncology



Source: NRMP Data Warehouse. Note: Probabilities calculated based on 2022-2024 applicants

Chart RO-3

USMLE Step 1 Scores of U.S. MD Seniors

Radiation Oncology

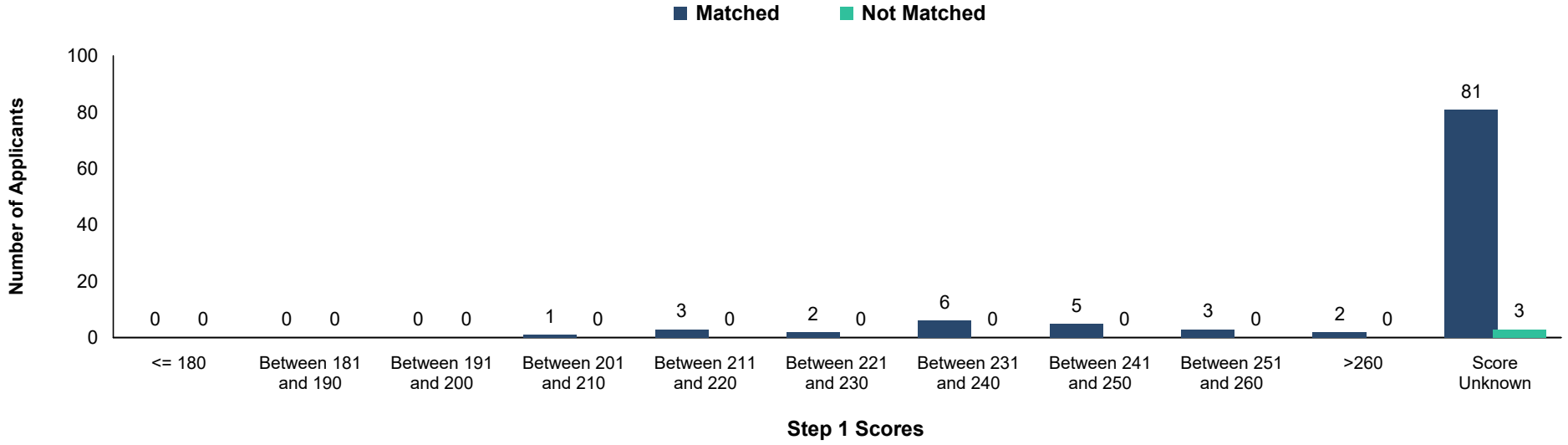
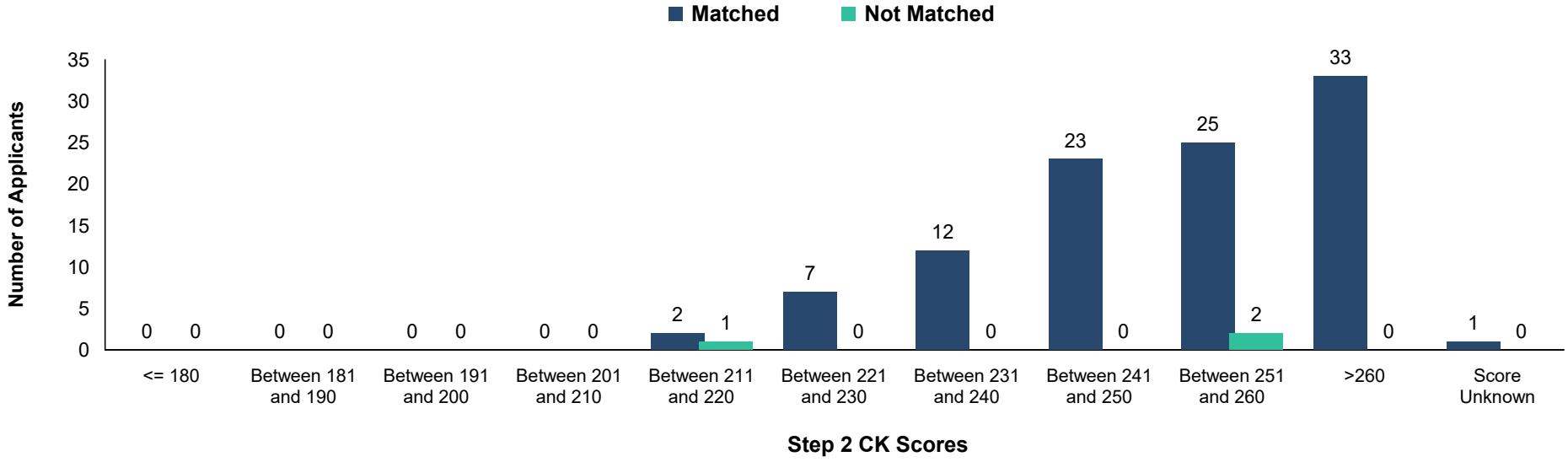


Chart RO-4

USMLE Step 2 CK Scores of U.S. MD Seniors

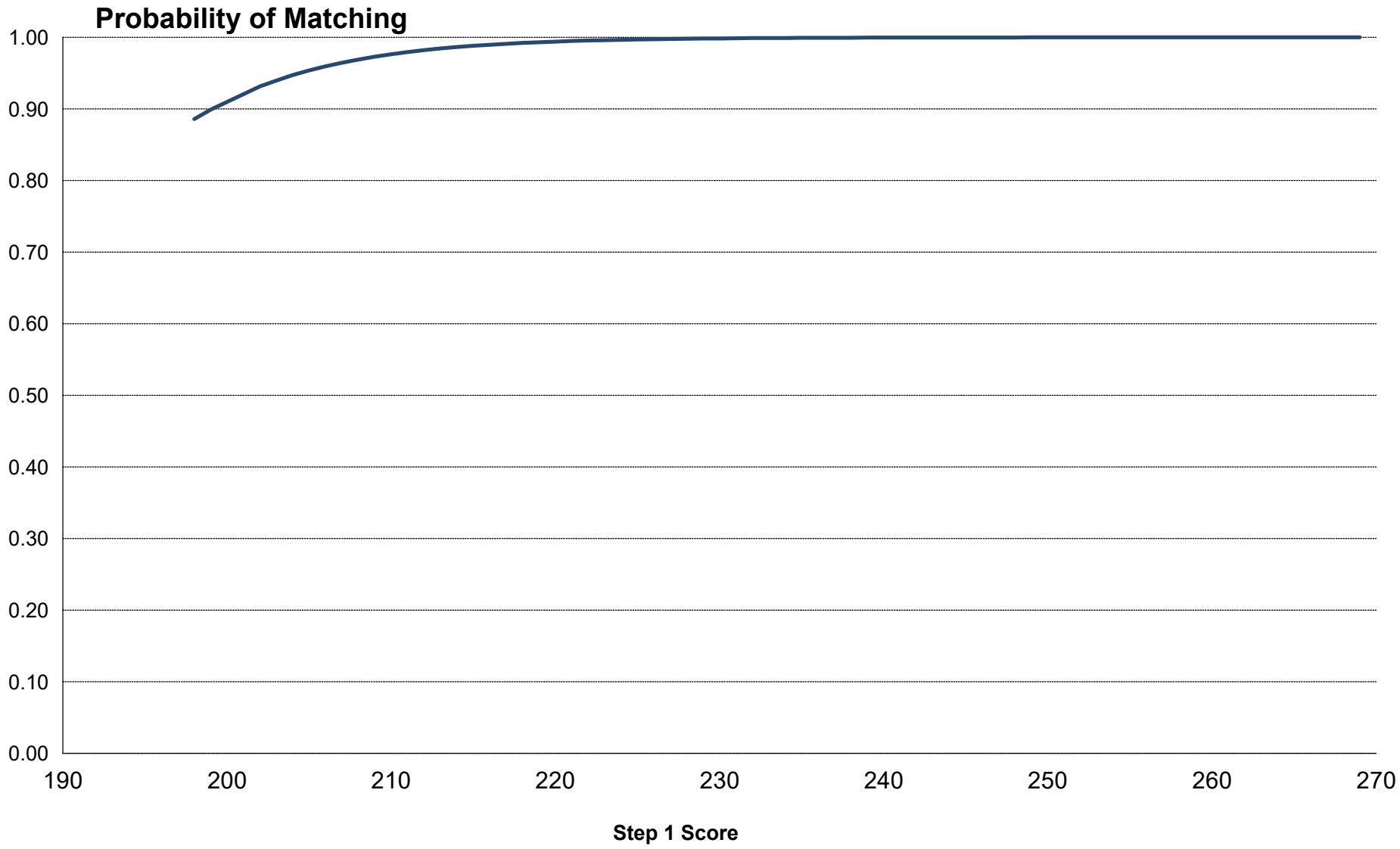
Radiation Oncology



Graph RO-2

Probability of U.S. MD Seniors Matching to Preferred Specialty by USMLE Step 1 Score

Radiation Oncology

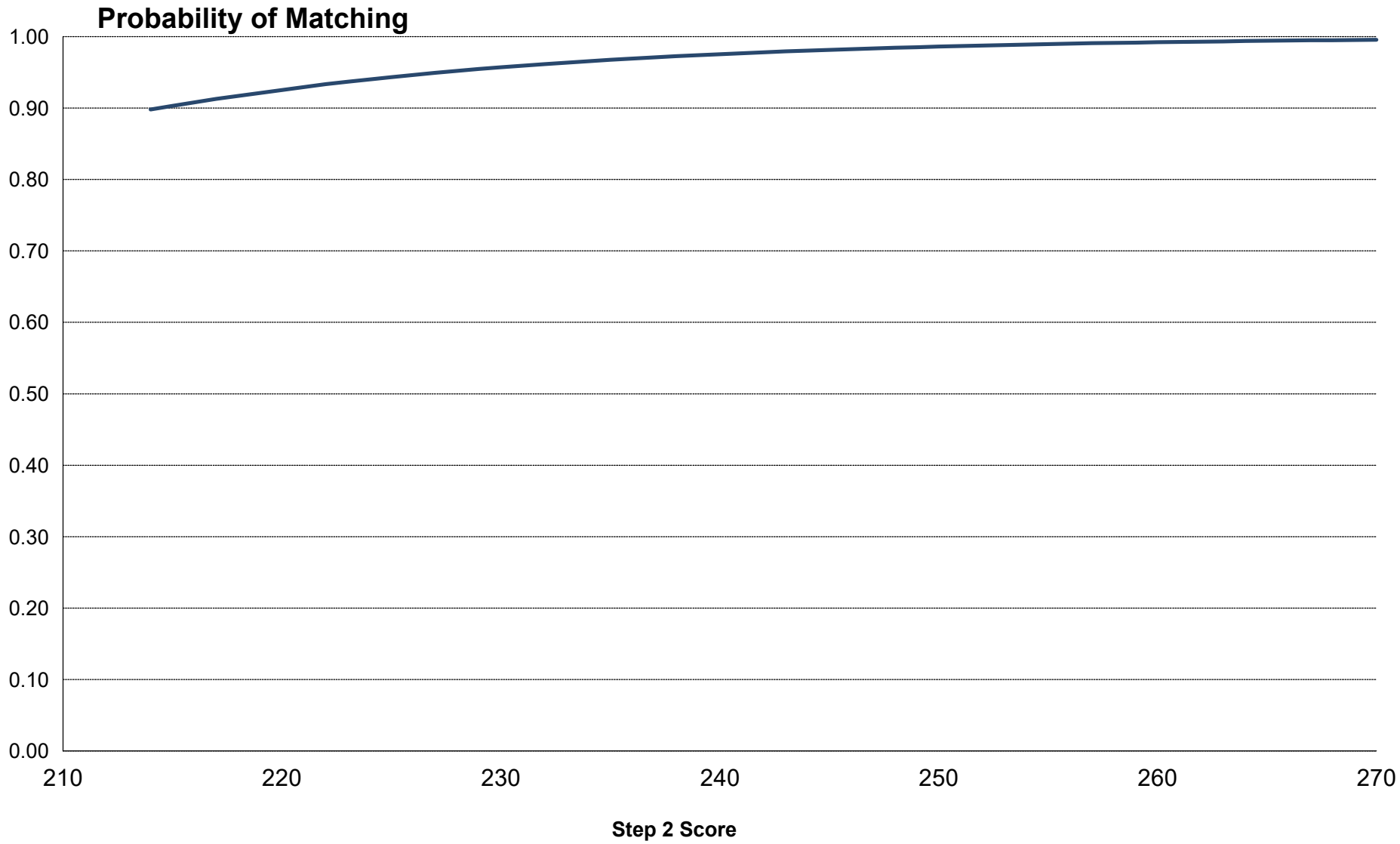


Source: NRMP Data Warehouse. Note: Probabilities calculated based on 2022-2024 applicants.

Graph RO-3

Probability of U.S. MD Seniors Matching to Preferred Specialty by USMLE Step 2 Score

Radiation Oncology



Source: NRMP Data Warehouse. Note: Probabilities calculated based on 2022-2024 applicants.

Chart RO-5

Number of Research Projects of U.S. MD Seniors

Radiation Oncology

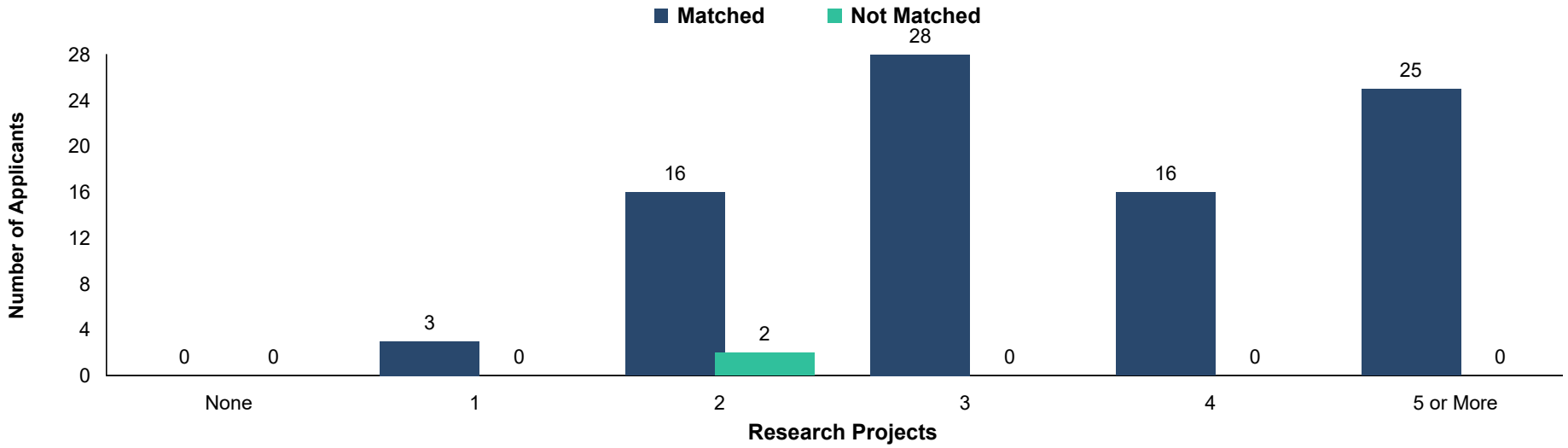
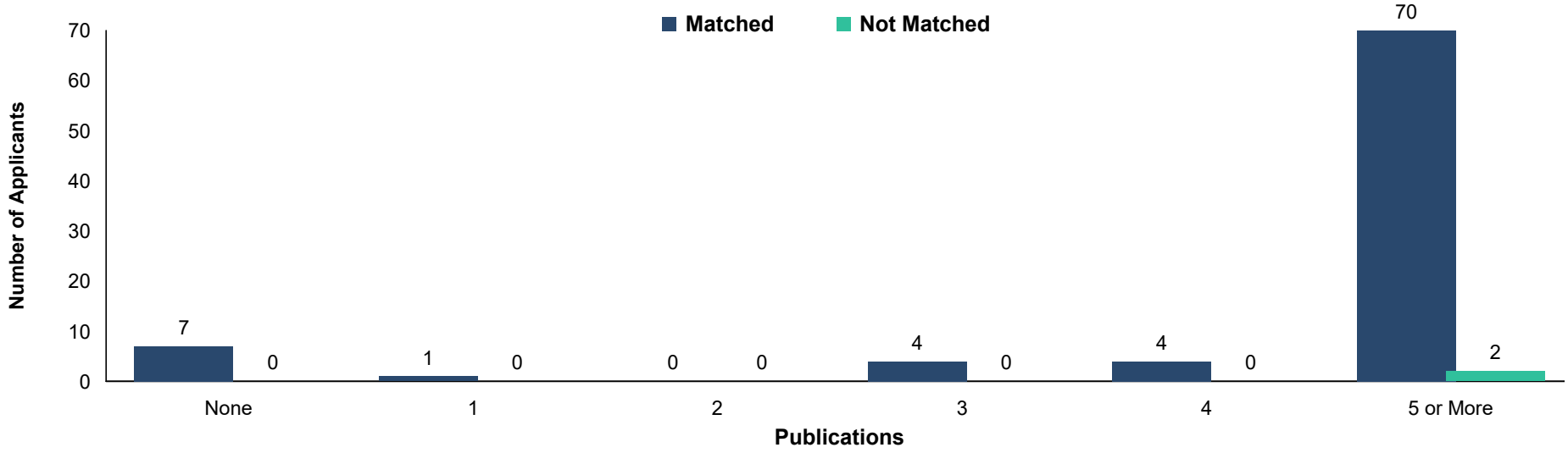


Chart RO-6

Number of Abstracts, Presentations, and Publications of U.S. MD Seniors

Radiation Oncology



Source: NRMP Data Warehouse

Chart RO-7

Number of Work Experiences of U.S. MD Seniors

Radiation Oncology

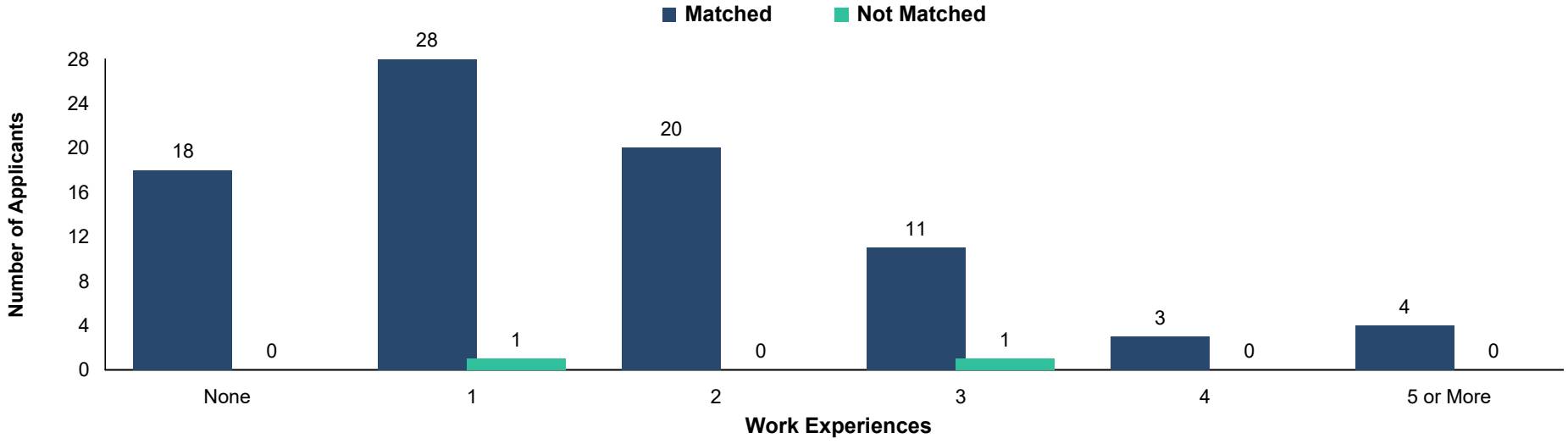
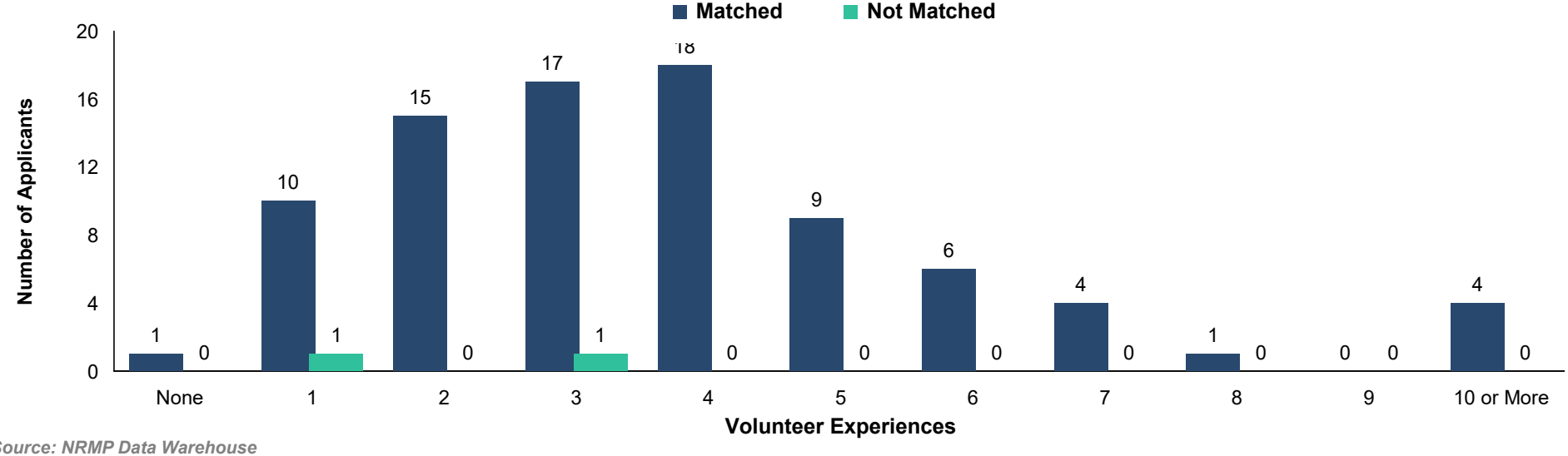


Chart RO-8

Number of Volunteer Experiences of U.S. MD Seniors

Radiation Oncology

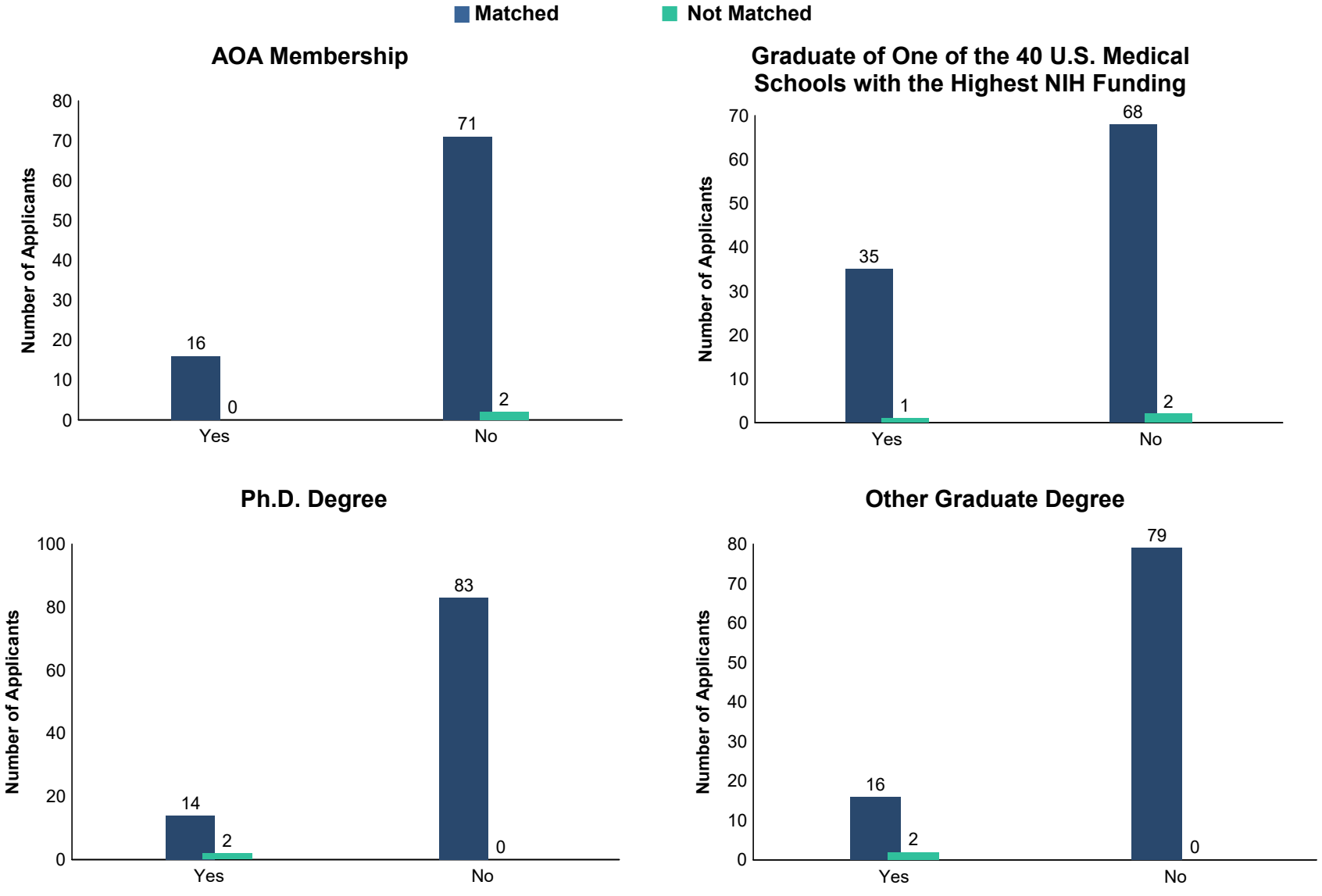


Source: NRMP Data Warehouse

Chart RO-9

Other Characteristics of U.S. MD Seniors

Radiation Oncology



Source: NRMP Data Warehouse. Top 40 U.S. medical schools with the highest NIH funding from NIH: http://report.nih.gov/award/index.cfm

VS Vascular Surgery

Table VS-1 Summary Statistics on U.S. MD Seniors
Vascular Surgery

Measure	Matched (n=64)	Unmatched (n=6)
1. Mean number of contiguous ranks	22.6	11.8
2. Mean number of distinct specialties ranked	1.4	1.8
3. Mean USMLE Step 1 score*	239	
4. Mean USMLE Step 2 score	253	246
5. Mean number of research experiences	4.6	4.5
6. Mean number of abstracts, presentations, and publications	12.8	8.0
7. Mean number of work experiences	2.5	2.8
8. Mean number of volunteer experiences	4.7	4.0
9. Percentage who are AOA members	14.1	16.7
10. Percentage who graduated from one of the 40 U.S. medical schools with the highest NIH funding	37.5	0.0
11. Percentage who have Ph.D. degree	1.7	20.0
12. Percentage who have another graduate degree	19.3	0.0

Note: Only U.S. MD seniors who gave consent to use their information in research are included.
*Only applicants who indicated completion of the USMLE Step 1 exam prior to the transition to pass/fail (i.e., prior to January 26, 2022) had the option to self-report their Step 1 numeric score. In 2024, only 2,143 U.S. MD seniors self-reported Step 1 numeric scores.
Sources. NRMP Data Warehouse; Top 40 U.S. medical schools with the highest NIH funding in measure 10 is from the NIH website (http://report.nih.gov/award/index.cfm).

Chart VS-1

Number of Distinct Specialties Ranked by U.S. MD Seniors

Vascular Surgery

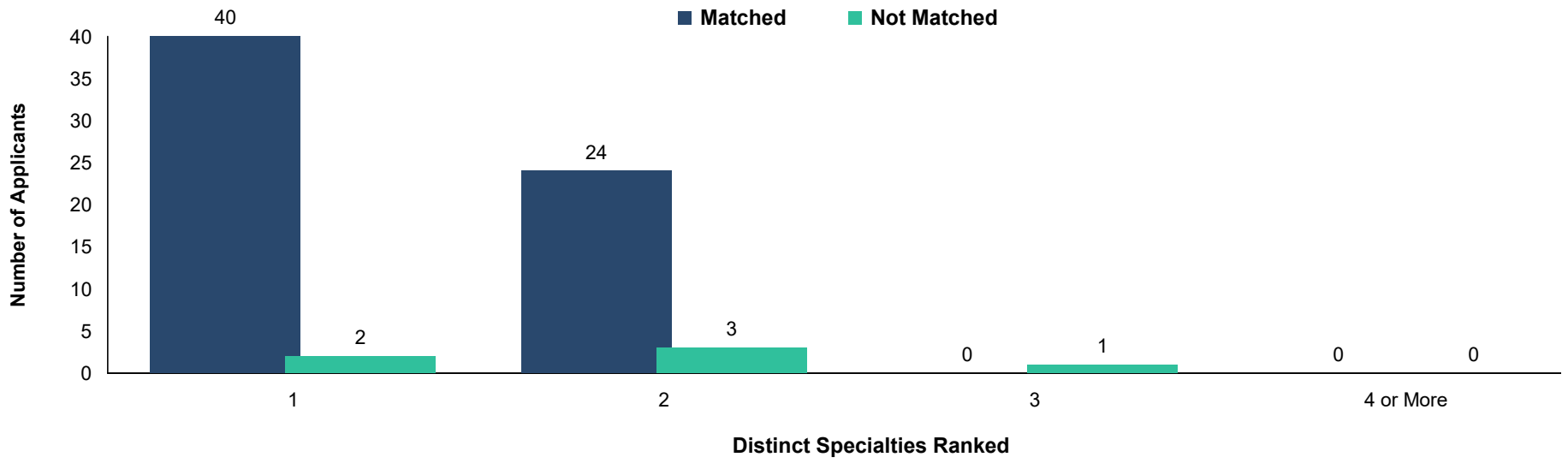
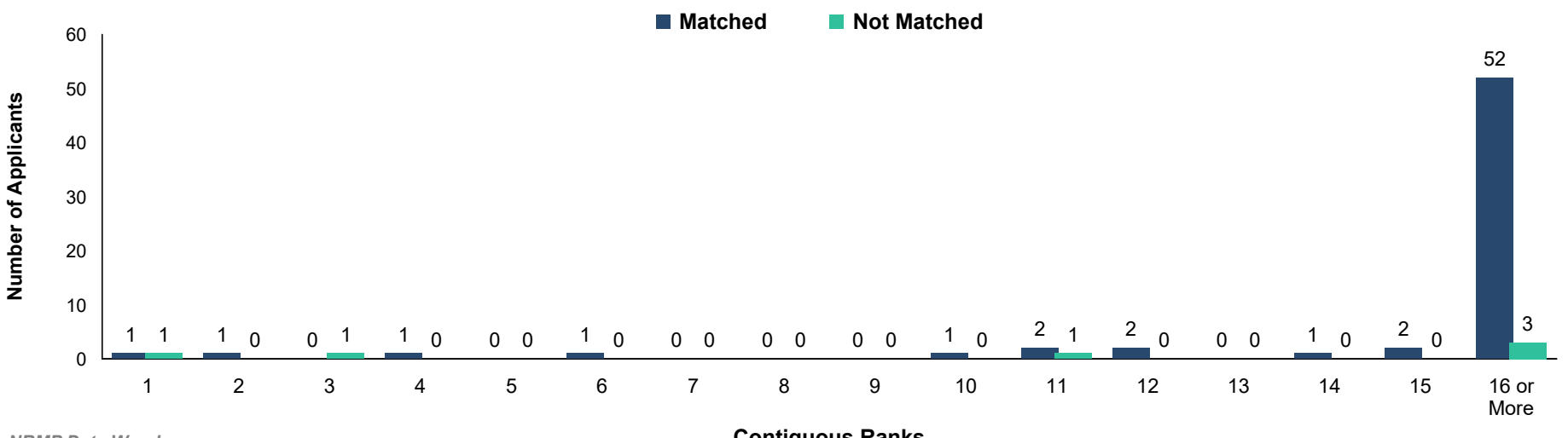


Chart VS-2

Number of Contiguous Ranks of U.S. MD Seniors

Vascular Surgery

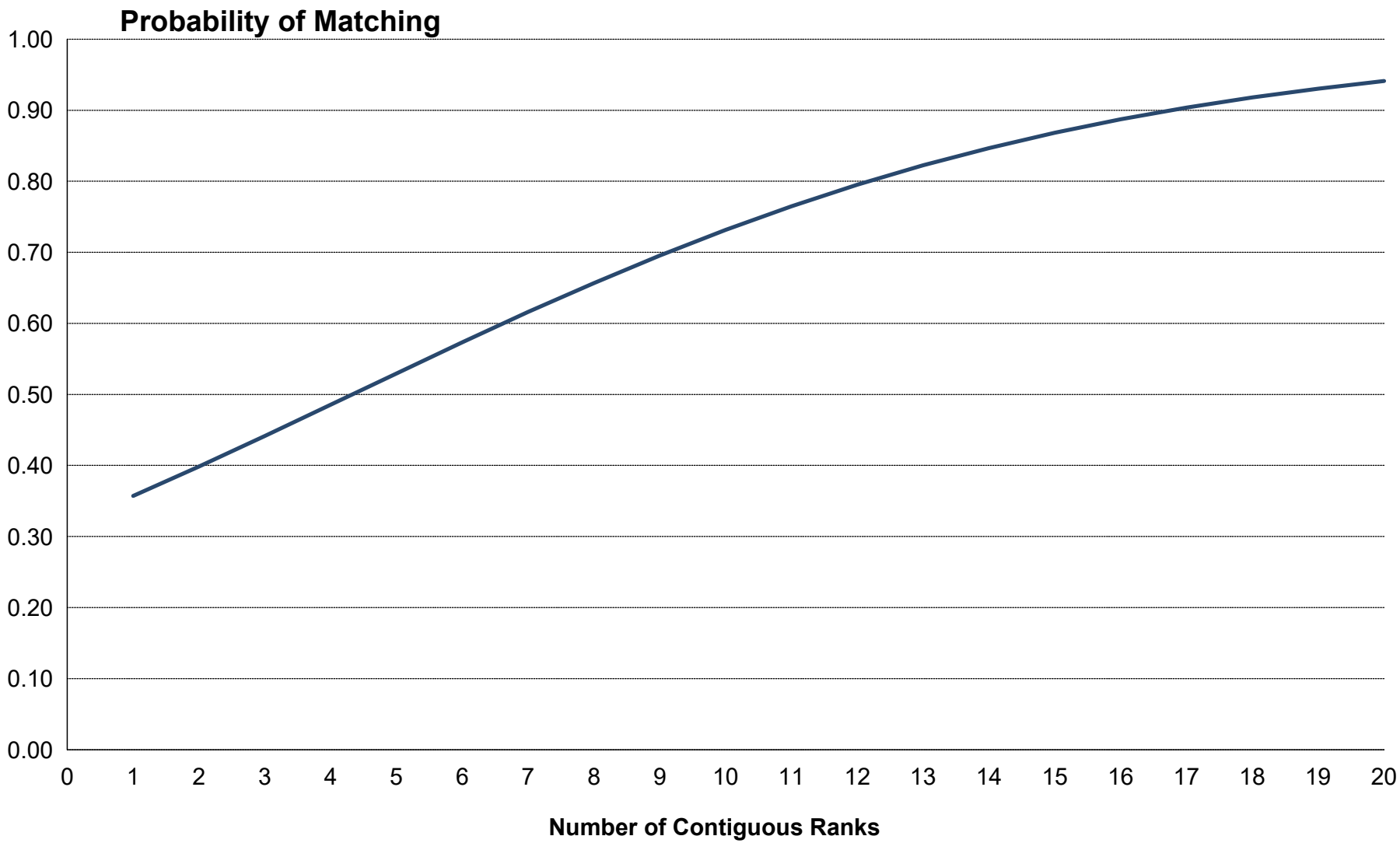


Source: NRMP Data Warehouse

Graph VS-1

Probability of U.S. MD Seniors Matching to Preferred Specialty by Number of Contiguous Ranks

Vascular Surgery



Source: NRMP Data Warehouse. Note: Probabilities calculated based on 2022-2024 applicants

Chart VS-3

USMLE Step 1 Scores of U.S. MD Seniors

Vascular Surgery

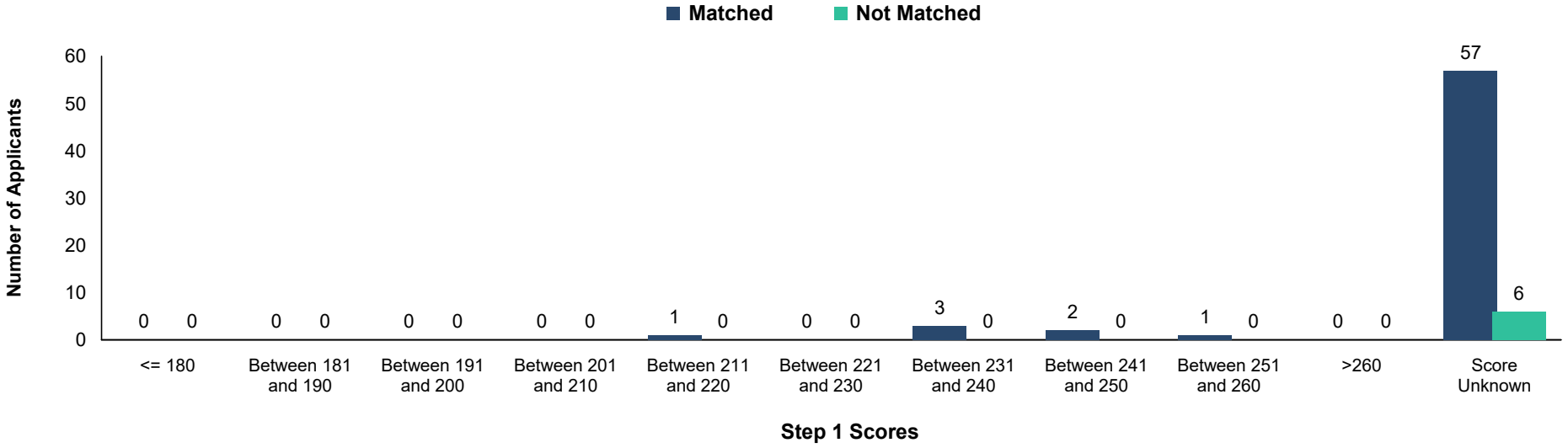
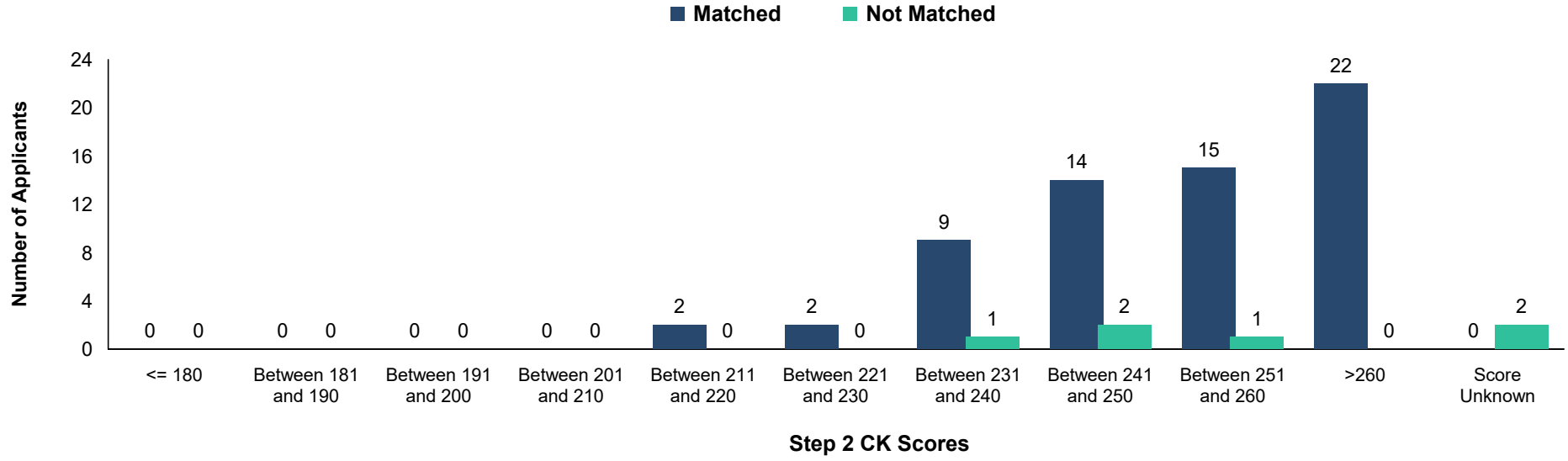


Chart VS-4

USMLE Step 2 CK Scores of U.S. MD Seniors

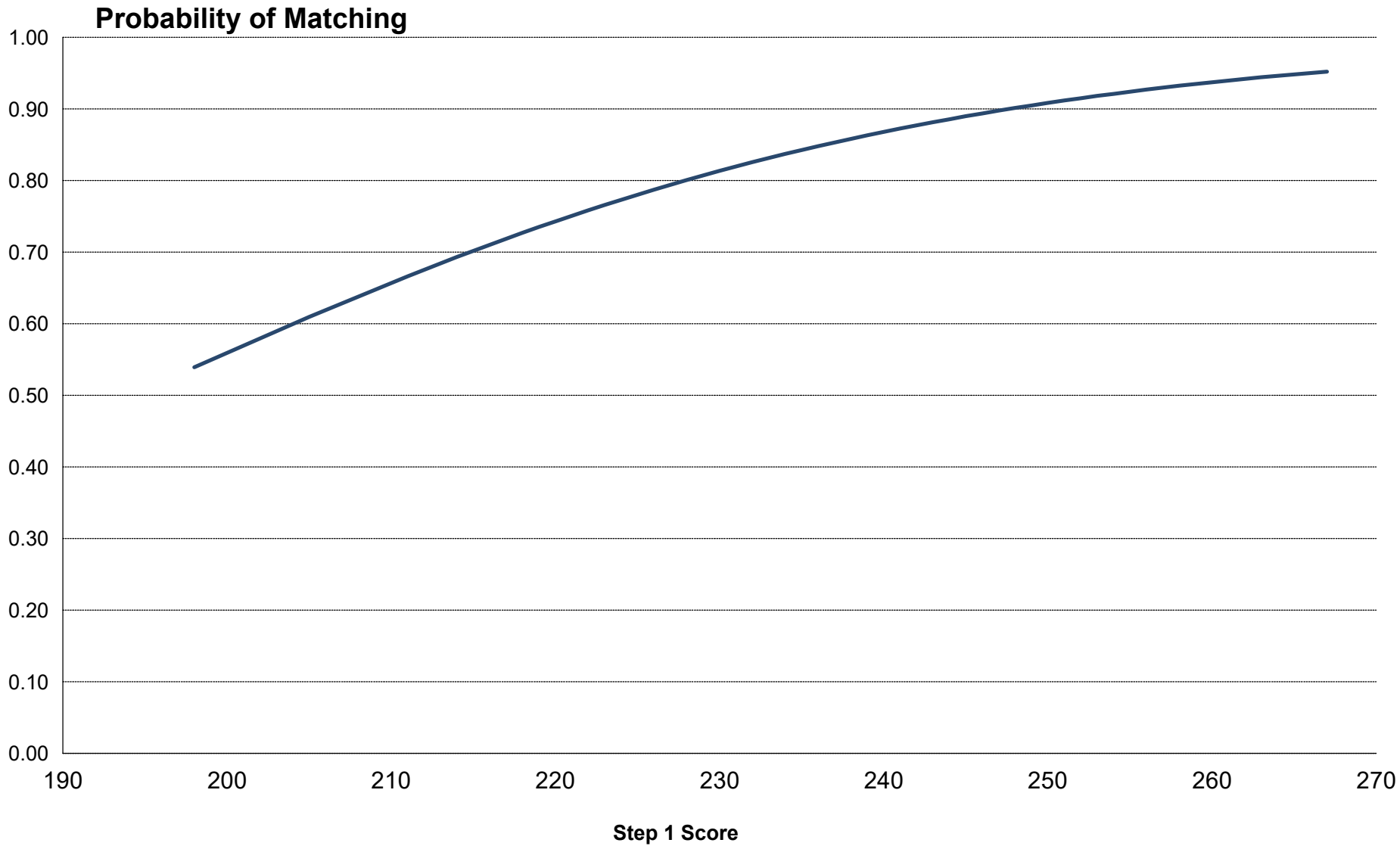
Vascular Surgery



Graph VS-2

Probability of U.S. MD Seniors Matching to Preferred Specialty by USMLE Step 1 Score

Vascular Surgery

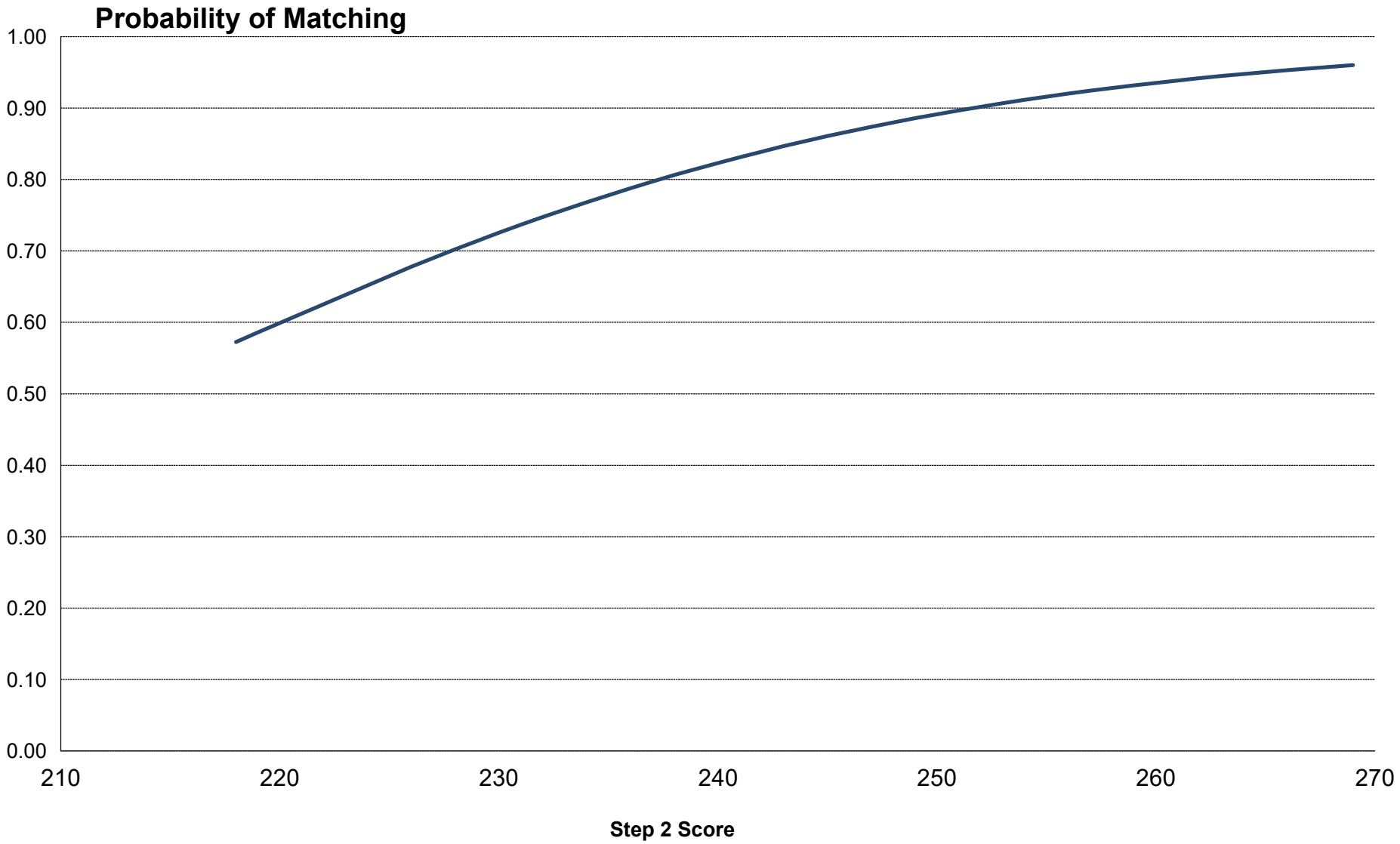


Source: NRMP Data Warehouse. Note: Probabilities calculated based on 2022-2024 applicants.

Graph VS-3

Probability of U.S. MD Seniors Matching to Preferred Specialty by USMLE Step 2 Score

Vascular Surgery



Source: NRMP Data Warehouse. Note: Probabilities calculated based on 2022-2024 applicants.

Chart VS-5

Number of Research Projects of U.S. MD Seniors

Vascular Surgery

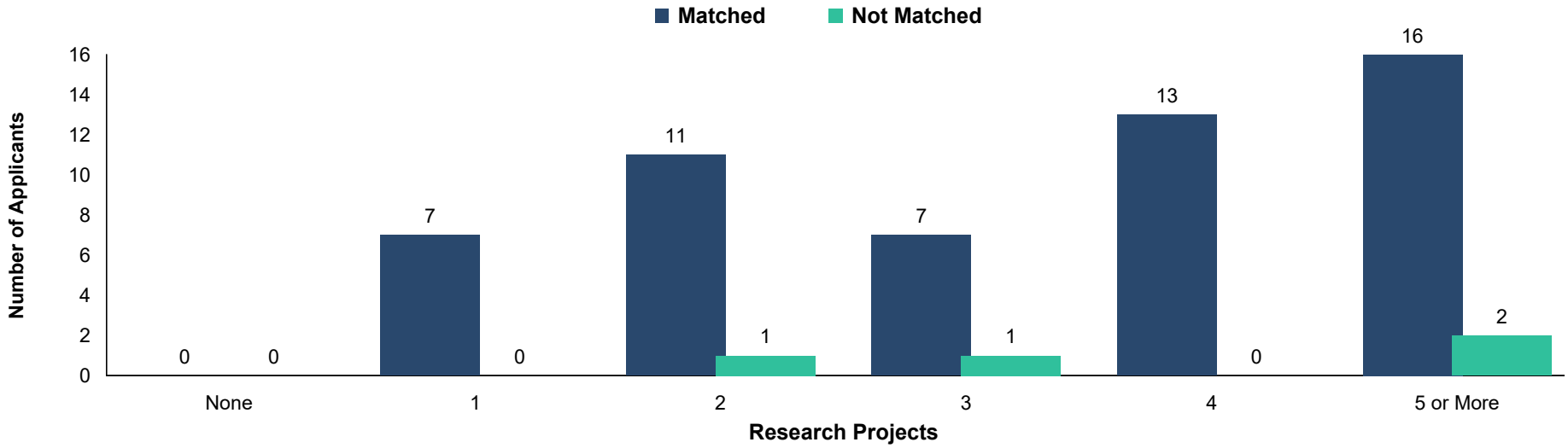
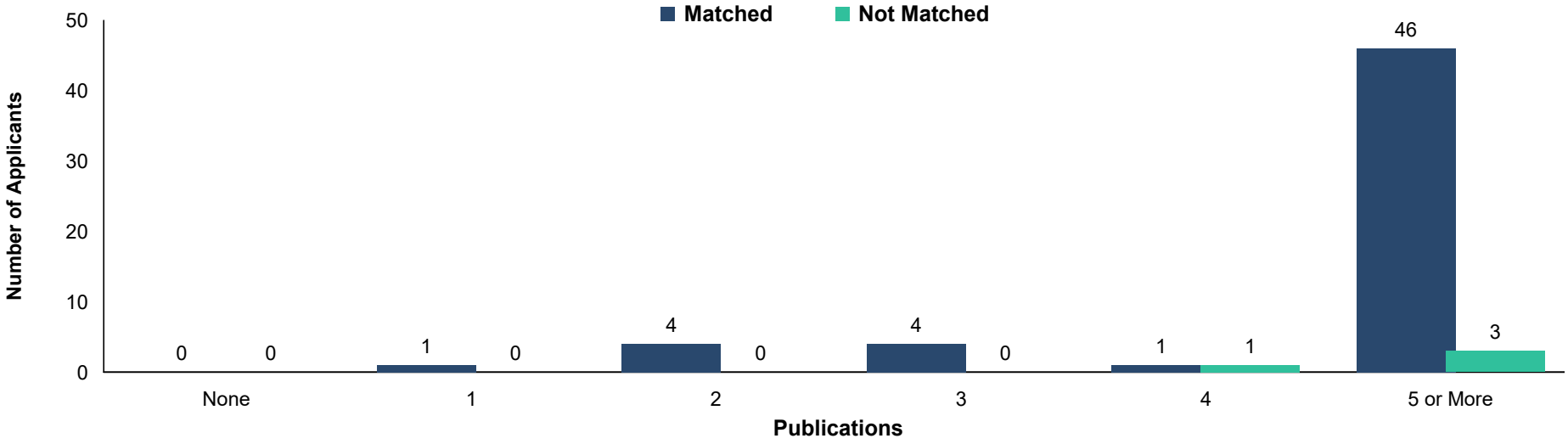


Chart VS-6

Number of Abstracts, Presentations, and Publications of U.S. MD Seniors

Vascular Surgery



Source: NRMP Data Warehouse

Chart VS-7

Number of Work Experiences of U.S. MD Seniors

Vascular Surgery

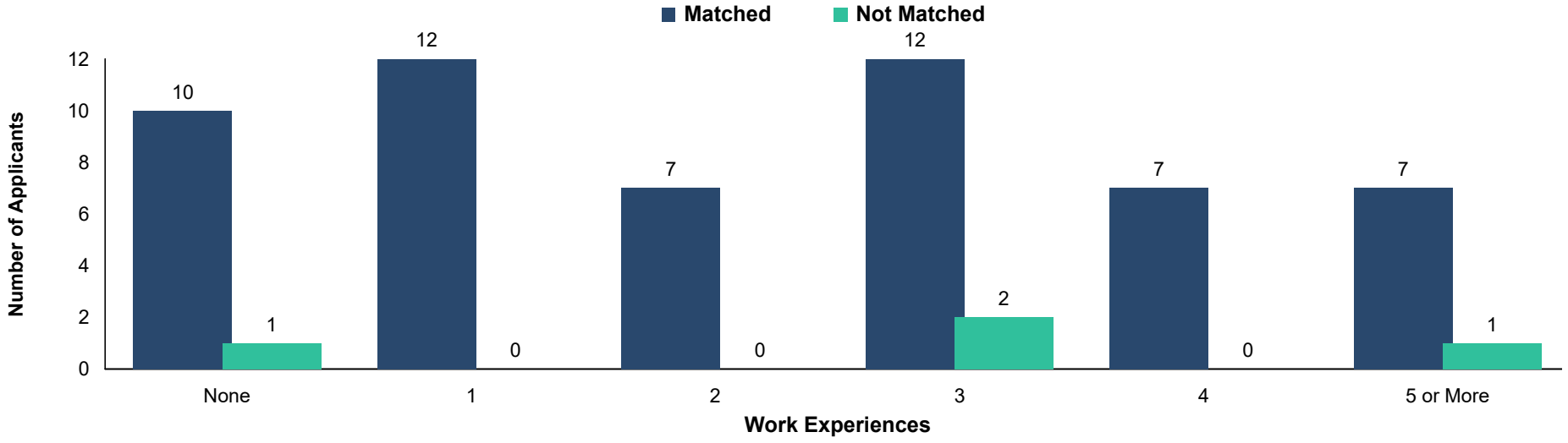
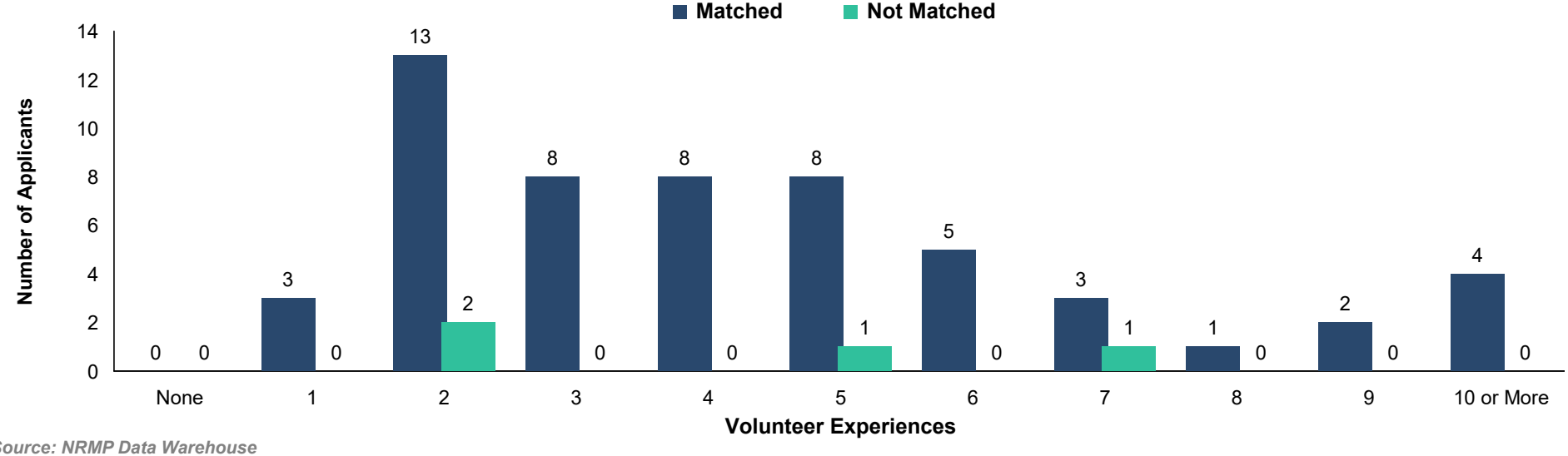


Chart VS-8

Number of Volunteer Experiences of U.S. MD Seniors

Vascular Surgery

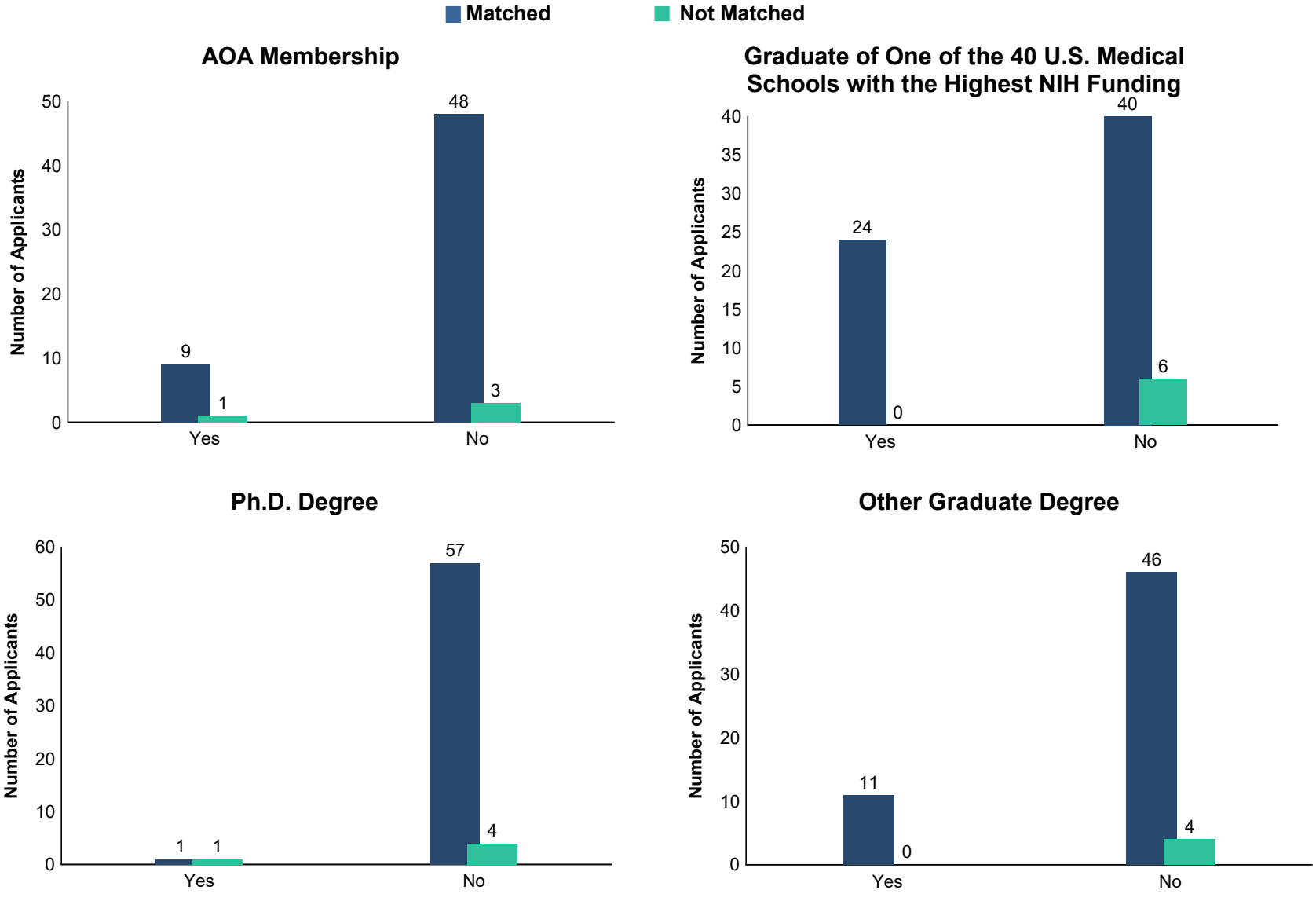


Source: NRMP Data Warehouse

Chart VS-9

Other Characteristics of U.S. MD Seniors

Vascular Surgery



Source: NRMP Data Warehouse. Top 40 U.S. medical schools with the highest NIH funding from NIH: http://report.nih.gov/award/index.cfm