



# **Charting Outcomes™:** **Characterstics 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](http://www.nrmp.org)

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**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.S. 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.

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## Tables and Charts for All Specialties

**Chart  
1**

**Active Applicants in the 2024 Main Residency Match  
by Applicant Type**

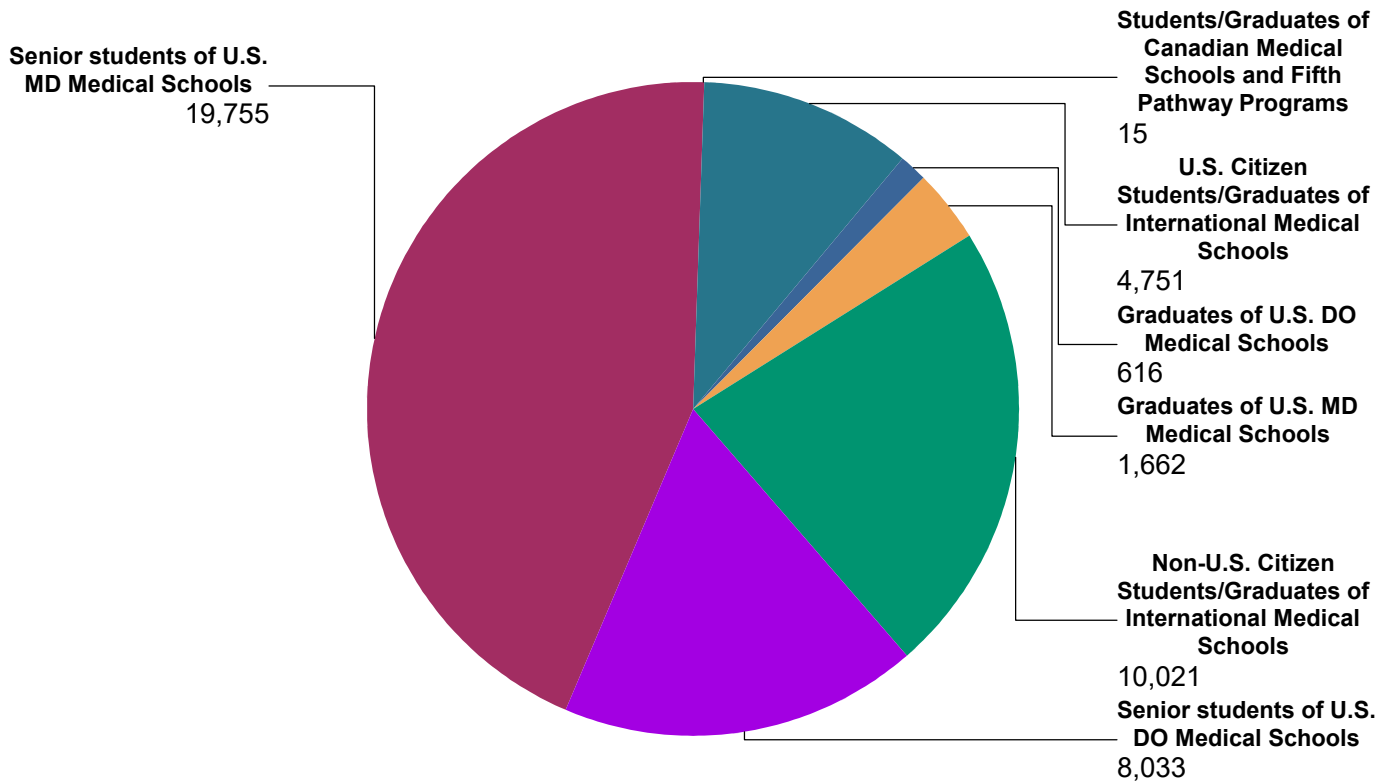


Chart 1 shows the number of active applicants (i.e., applicants who have certified a rank order list) by applicant type in the 2024 Main Residency Match. A total of 44,853 active applicants participated in the 2024 Main Residency Match. U.S. MD seniors constituted the largest group, comprising 44.0 percent 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.

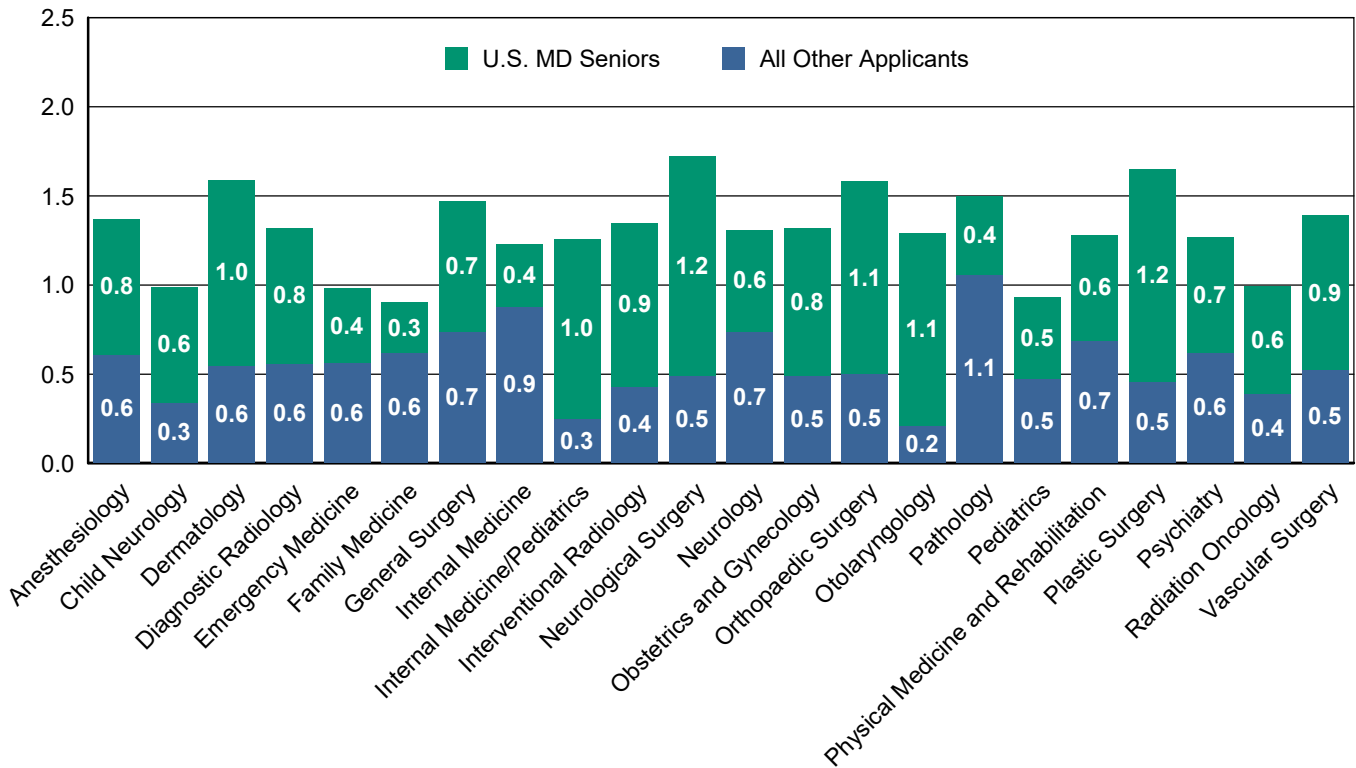
Table 1 provides a summary of the numbers of positions offered in selected specialties, the number of applicants who preferred each specialty (i.e., specialty of the first-ranked program on an applicant's rank order list), and the number of U.S. MD seniors who preferred each specialty. For example, a 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**

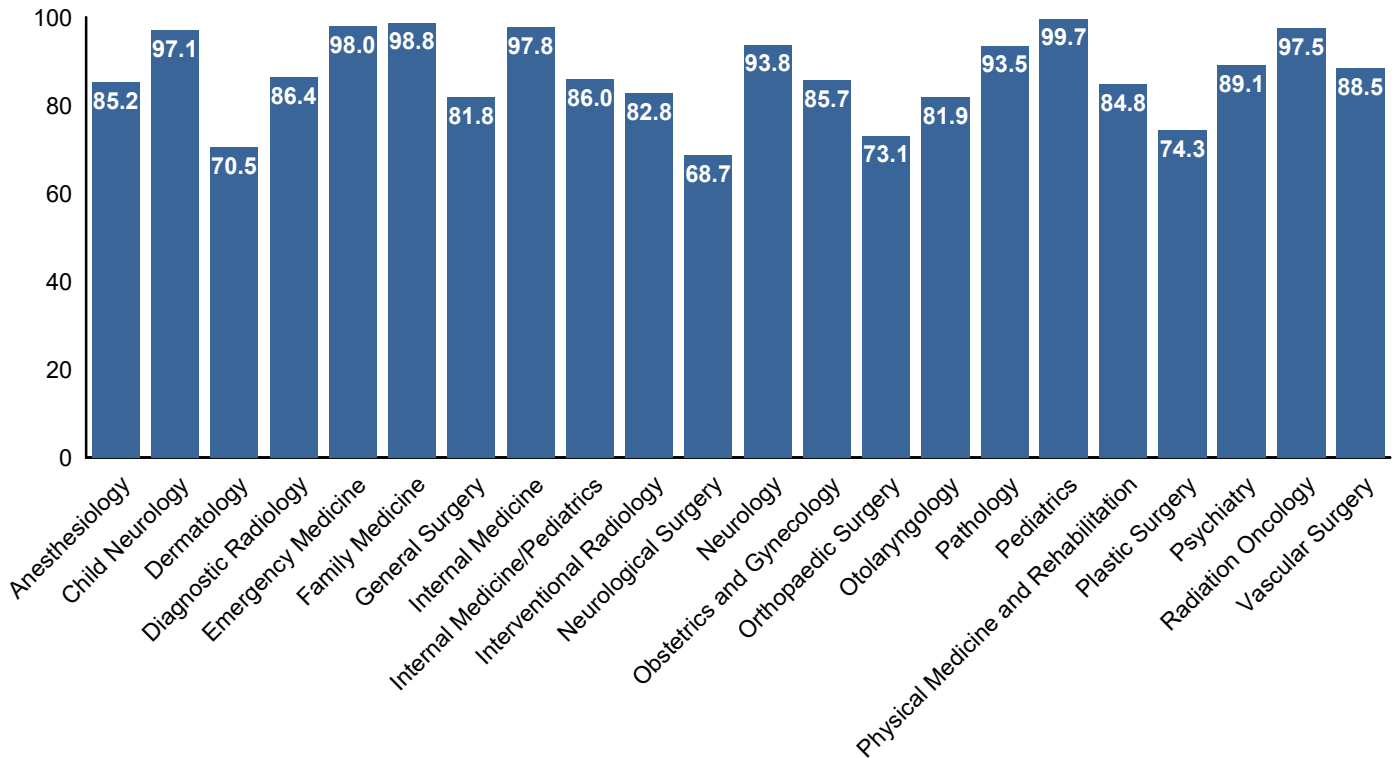


Source: NRMP Data Warehouse

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<br>(n=14,315) | Not Matched<br>(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>).

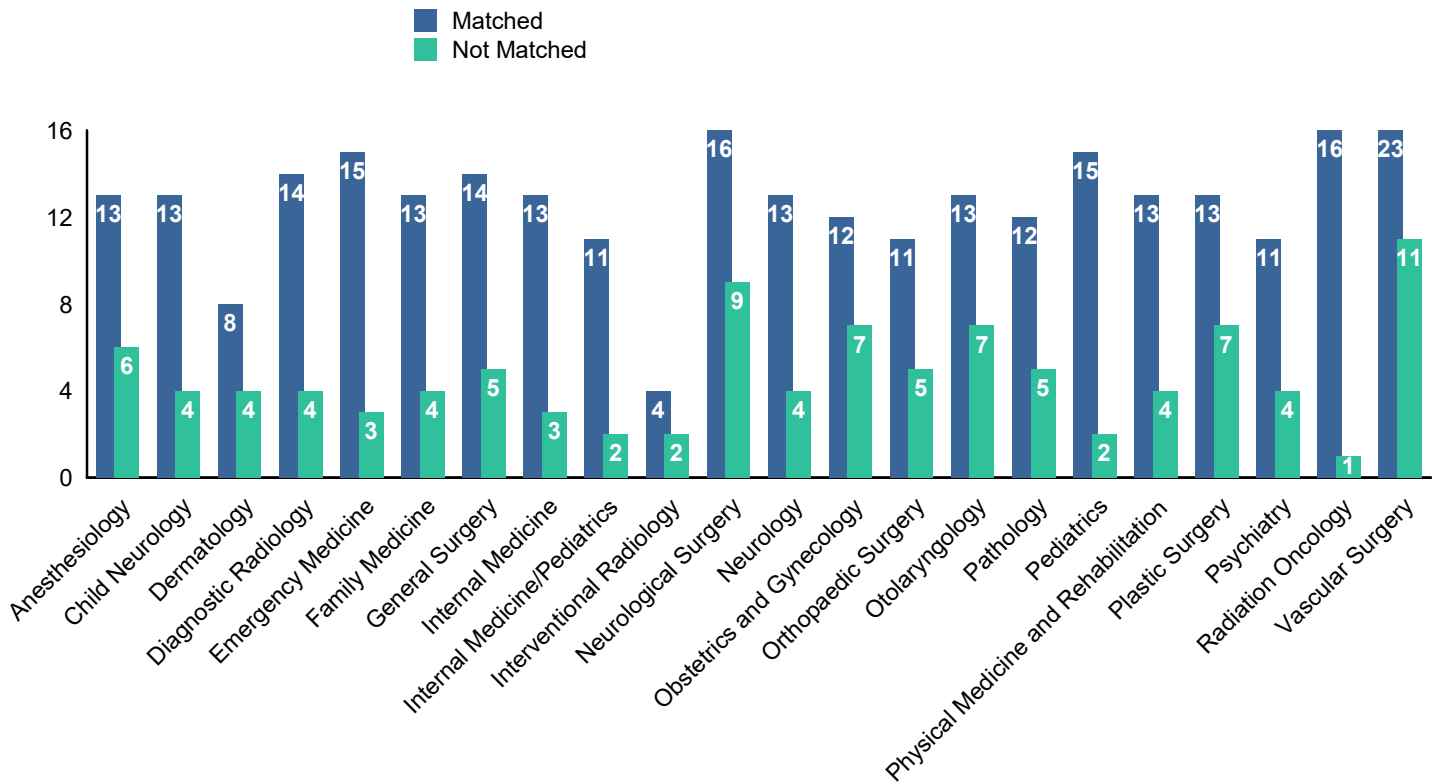
\* Only applicants who indicated completion of the USMLE Step 1 exam prior to the transition to pass/fail (i.e., prior to January 26, 2022) had the option to self-report their Step 1 numeric score. In 2024, only 2,143 U.S. MD seniors self-reported Step 1 numeric scores.

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

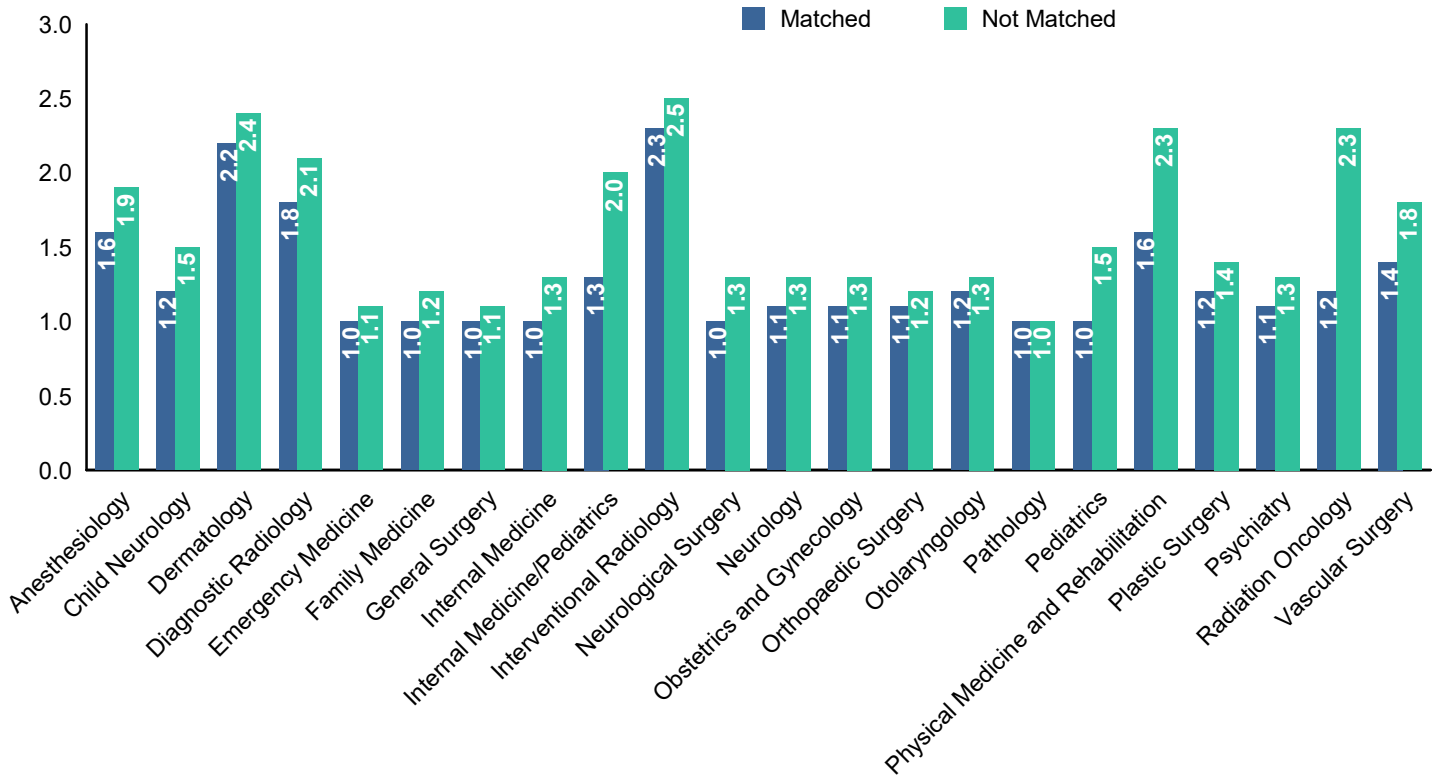
In general, applicants are more likely to be successful if they rank more programs in their desired specialty. To quantify this aspect of applicant behavior, we tallied the number of programs ranked in the first-choice specialty before a program in another specialty appeared on the applicant's rank order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

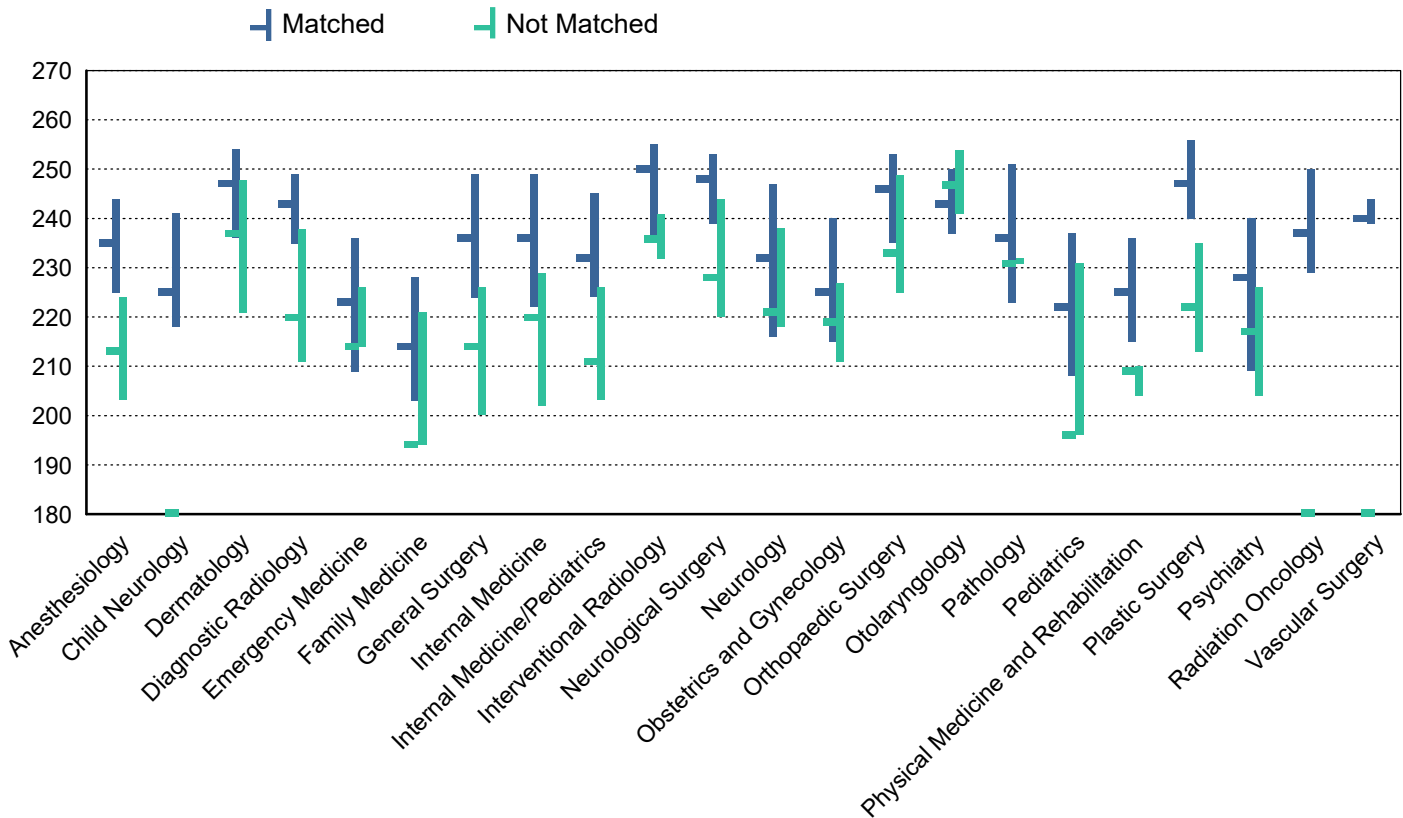


Source: NRMP Data Warehouse

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

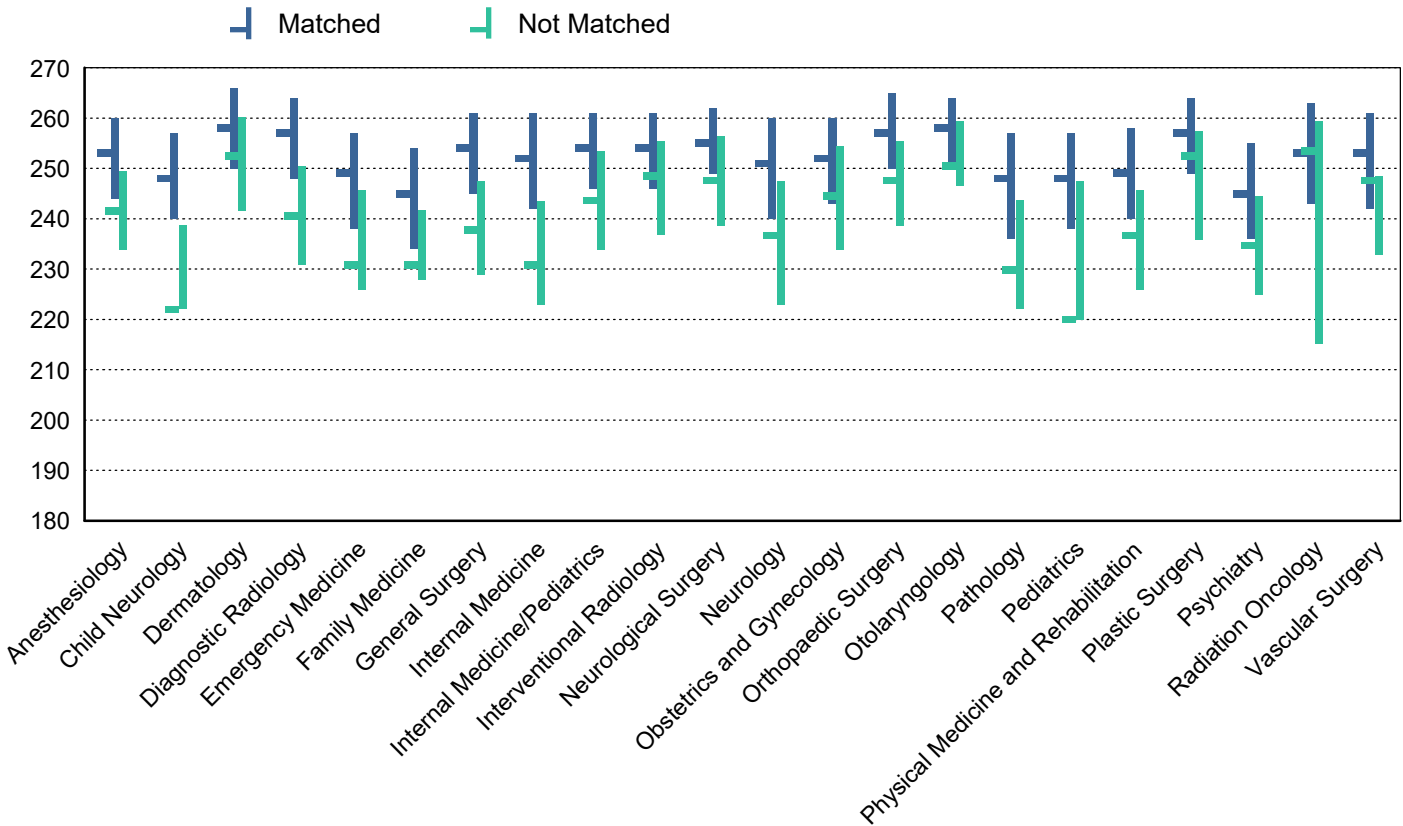
The USMLE Step 1 exam aims to measure a student’s understanding of important basic science concepts and the ability to apply that knowledge to the practice of medicine. USMLE Step 1 exams taken prior to January 26, 2022 produced a numeric score. From this date forward, Step 1 exam results transitioned 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

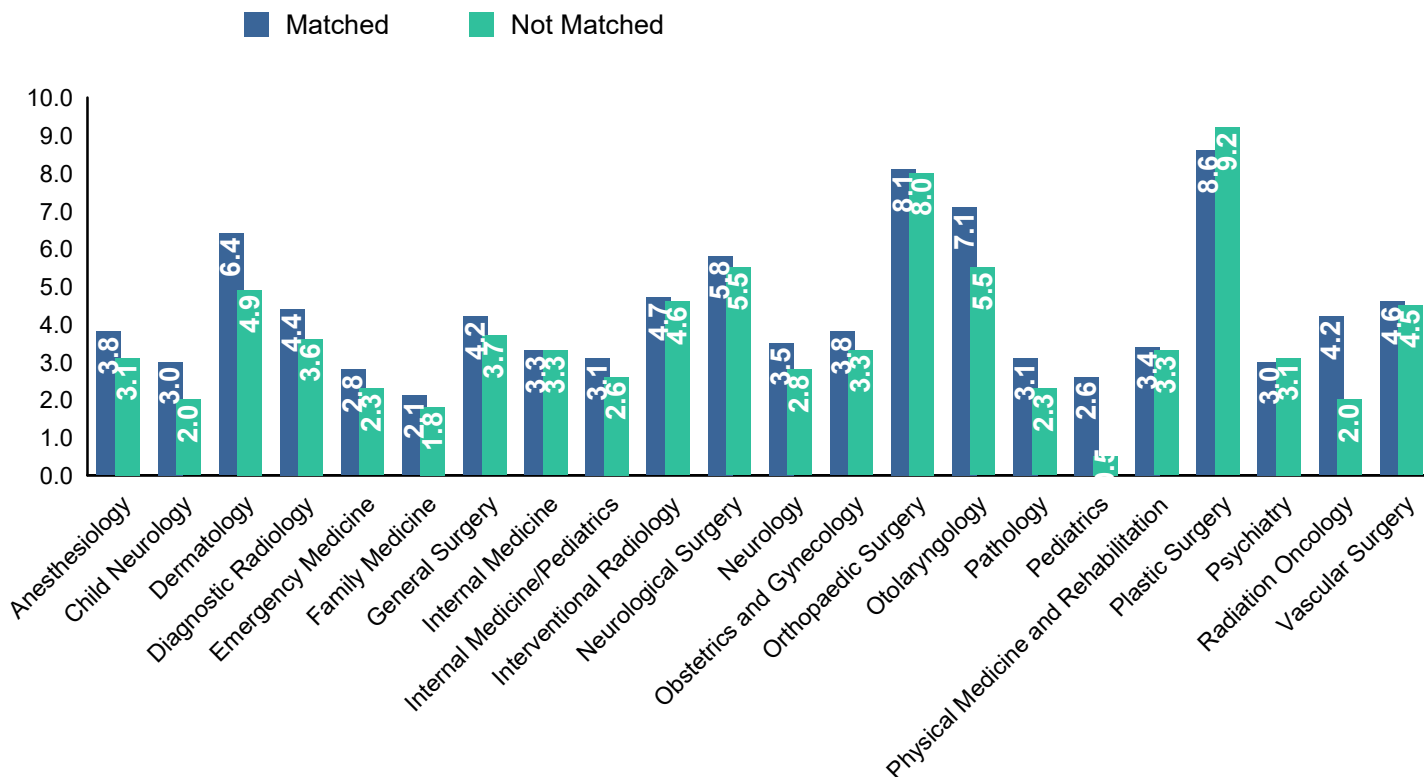
USMLE Step 2 CK scores are a measure of an applicant’s ability to apply the medical knowledge, skills, and understanding of clinical science essential for providing patient care. Overall, U.S. MD seniors who matched to their preferred specialty had *mean* USMLE Step 2 CK scores of 250.4 (s.d. = 13.2), 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**



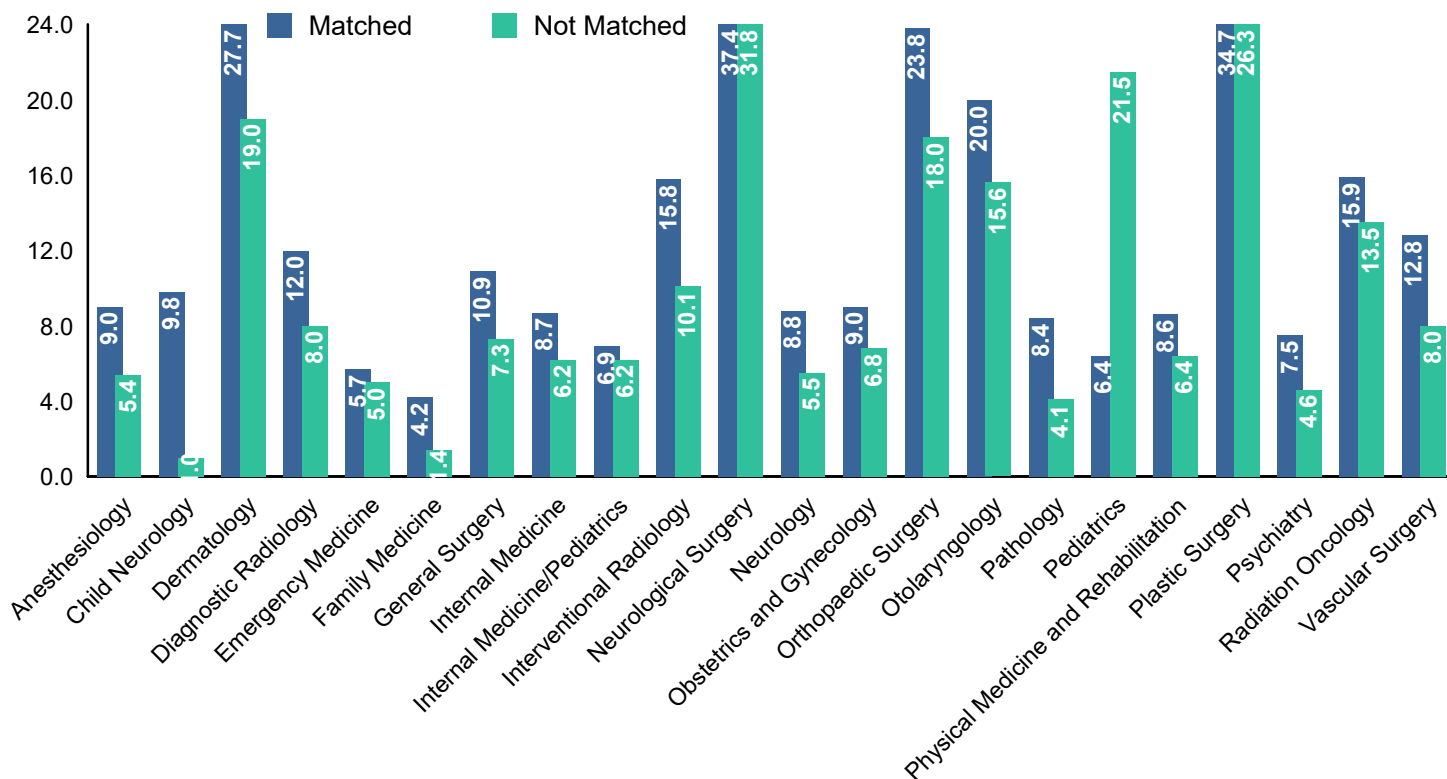
Source: NRMP Data Warehouse

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

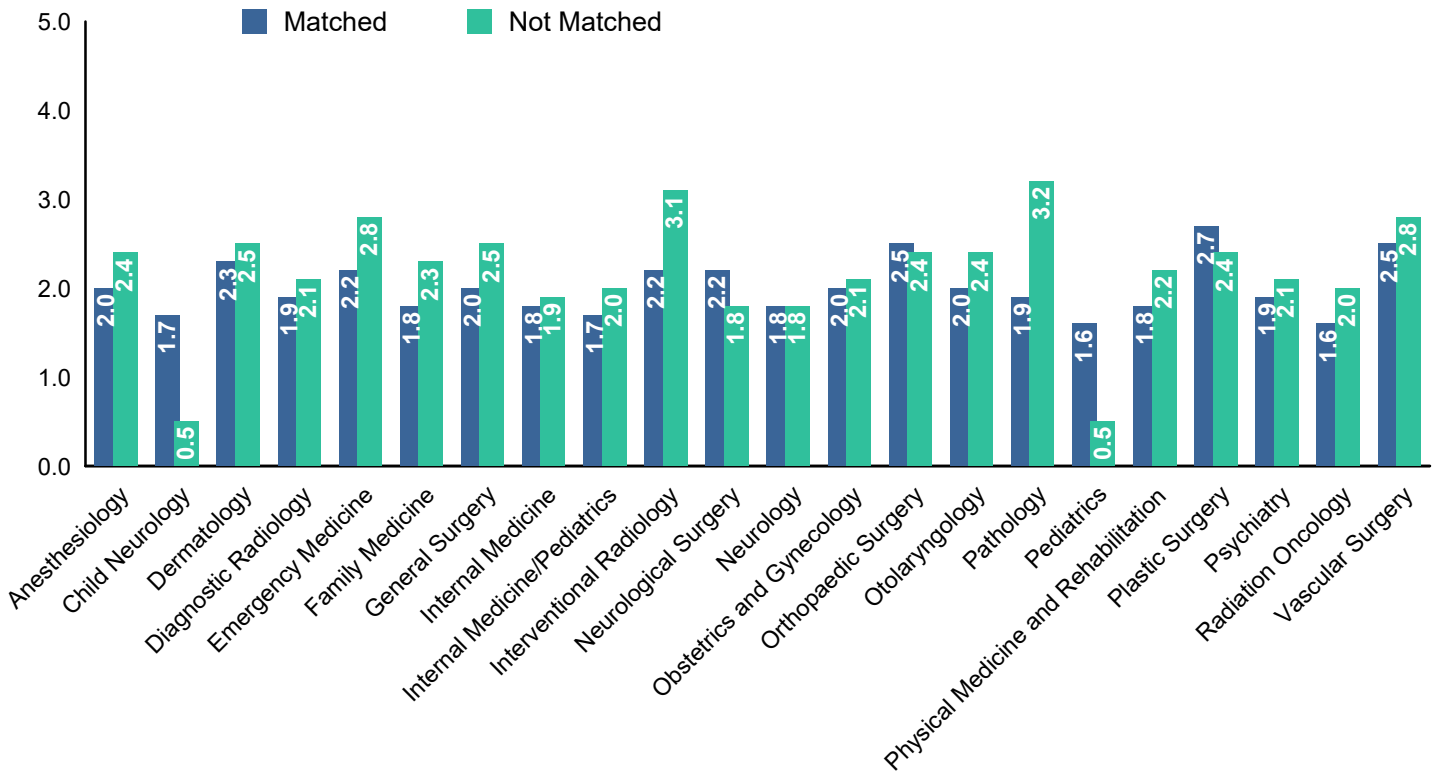
Applicants were asked to list the number of abstracts, presentations, and publications they reported in their applications. This information is self-reported and may include peer reviewed articles, abstracts, poster sessions, and invited national or regional presentations. Some residency programs may 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**

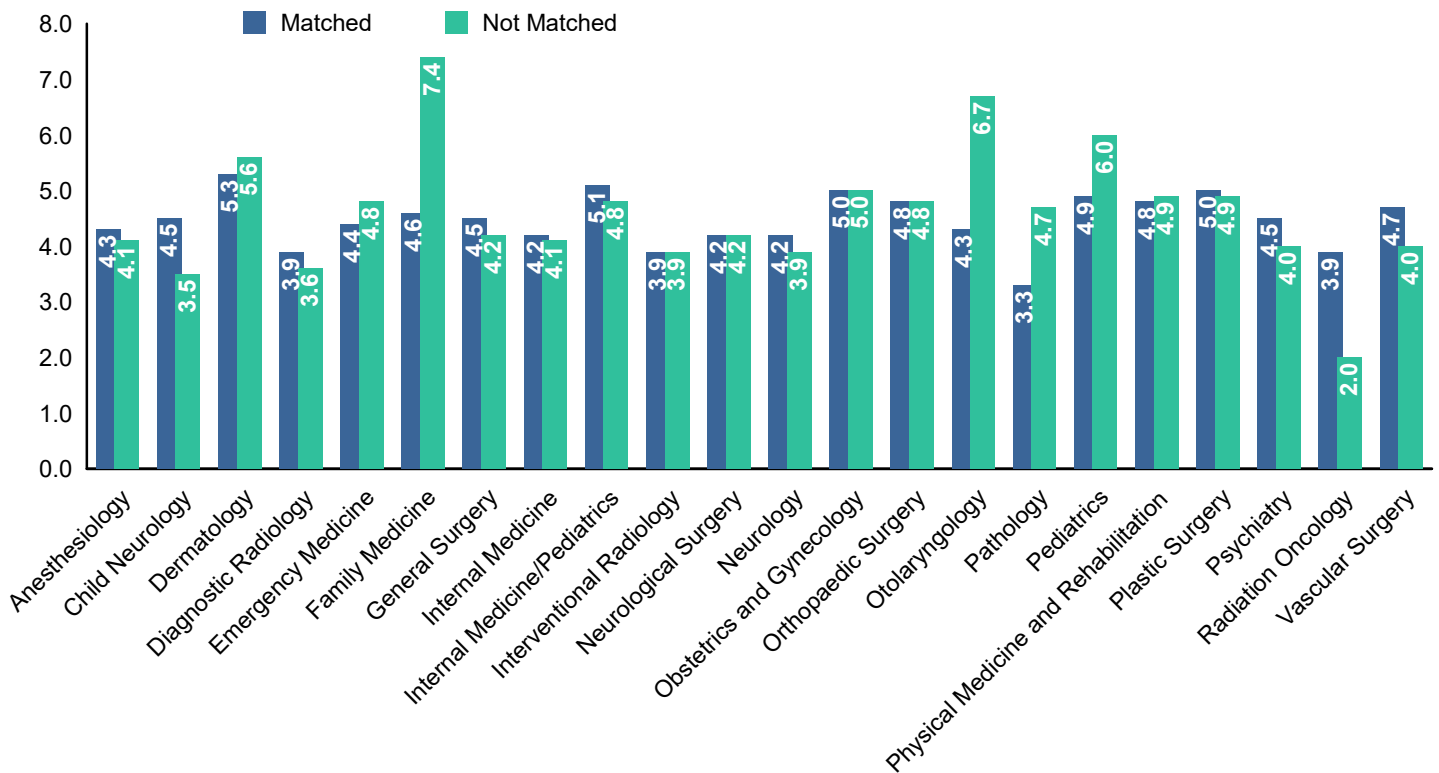


Source: NRMP Data Warehouse

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**



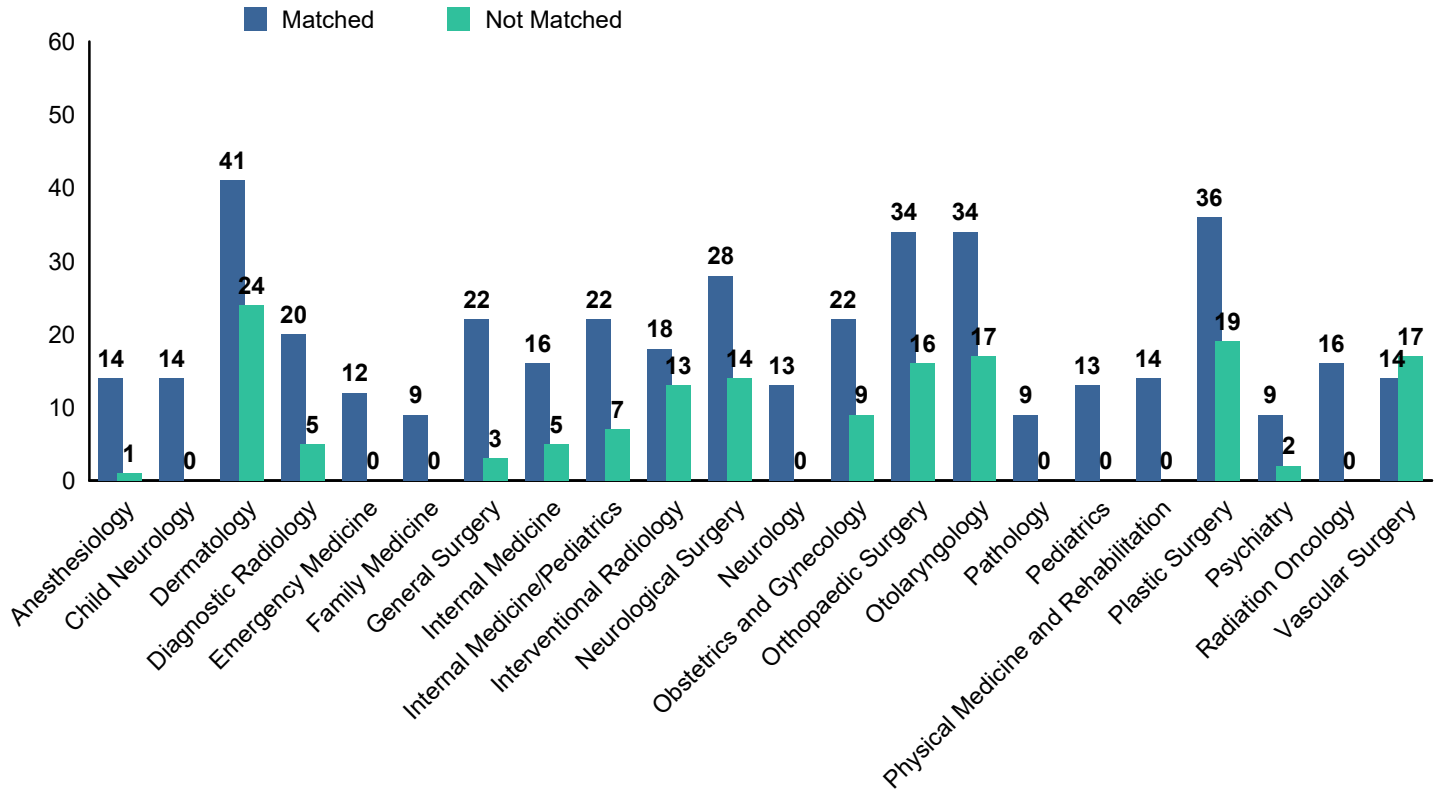
Source: NRMP Data Warehouse

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**



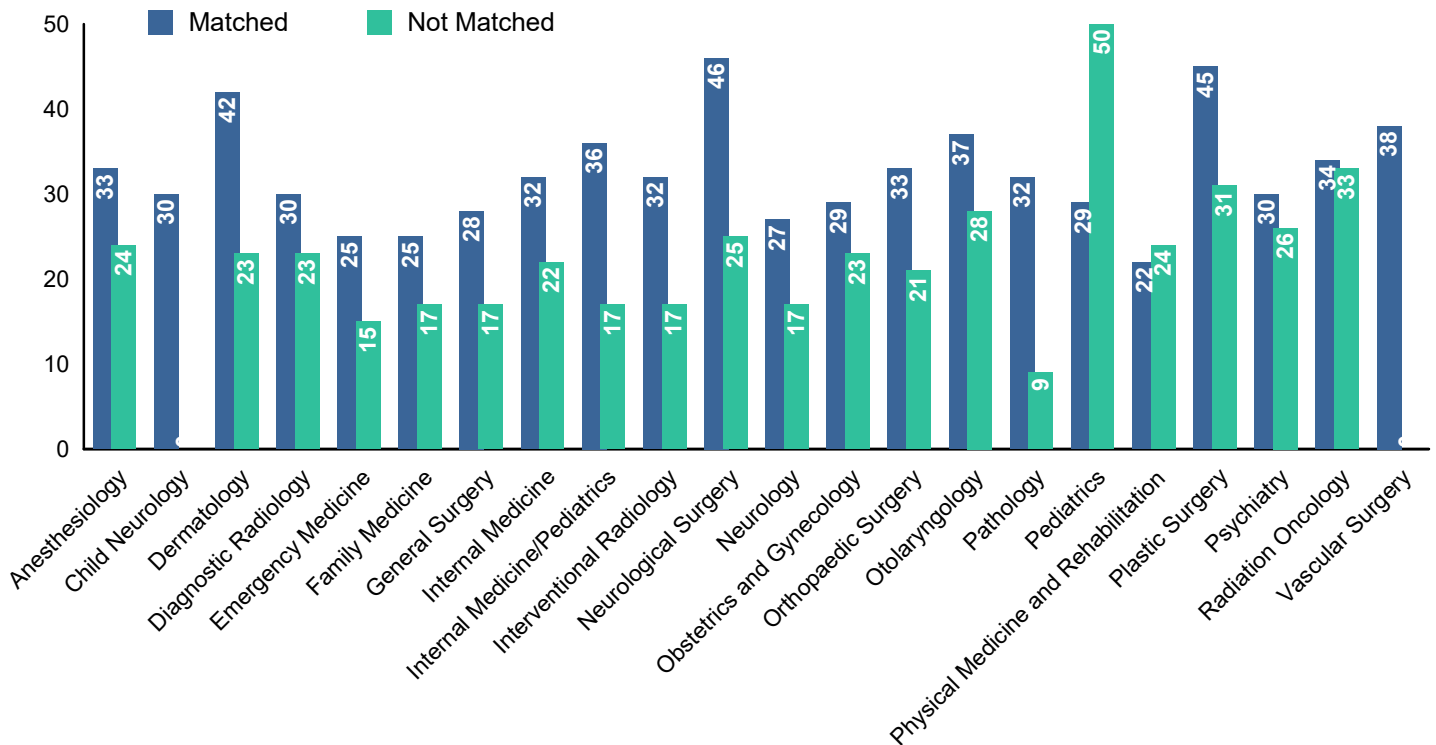
Source: NRMP Data Warehouse

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>.

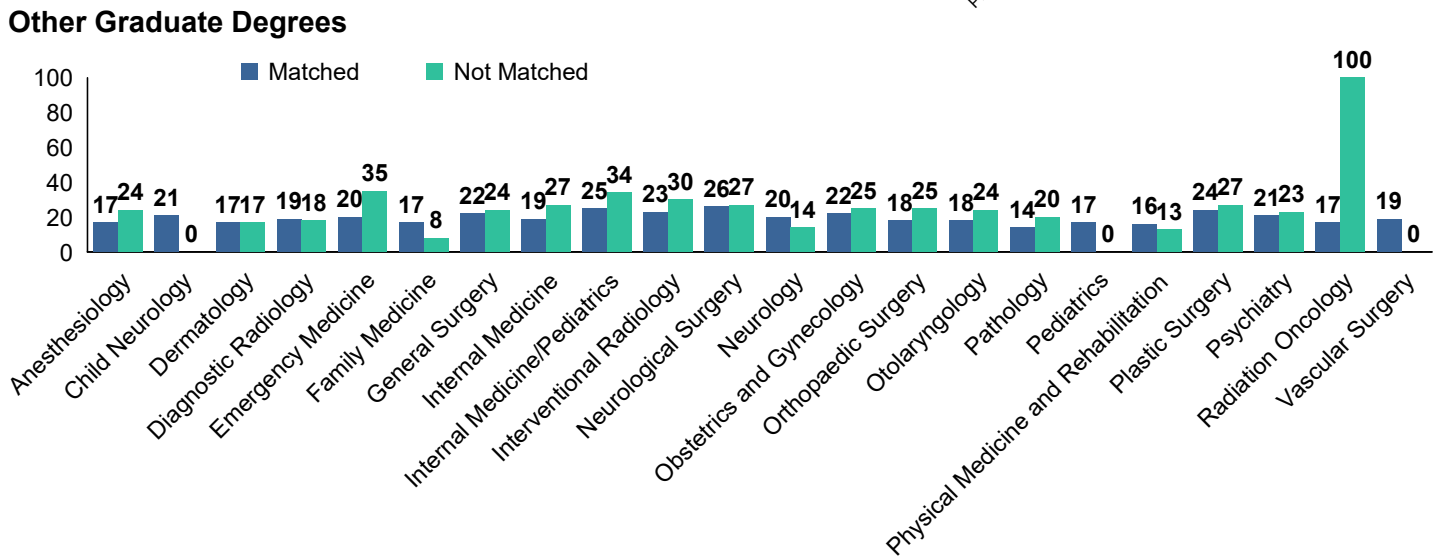
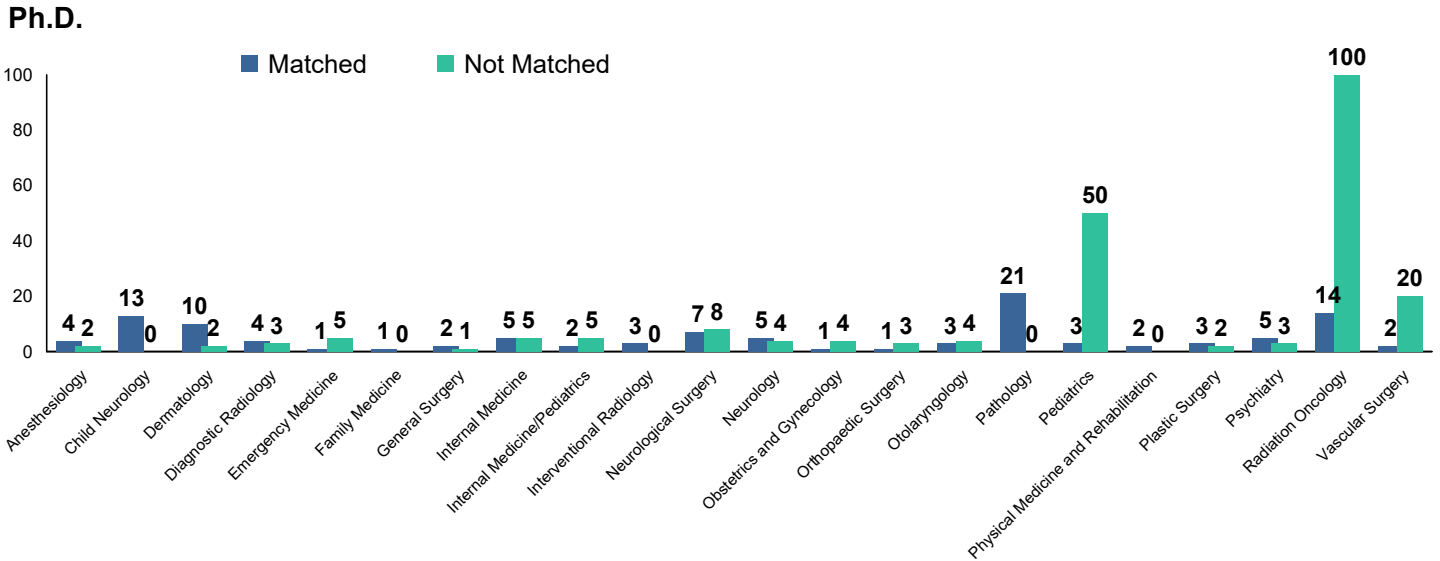
Some program directors may give preference to applicants with research experience or who graduated from a research-intensive medical school. To test that assumption, we obtained data on the amount of NIH grant awards and identified the 40 schools with the highest NIH funding. This measure, by definition, 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**



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.

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**AN** Anesthesiology

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

| Measure   | Matched<br>(n=1,136) | Unmatched<br>(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.

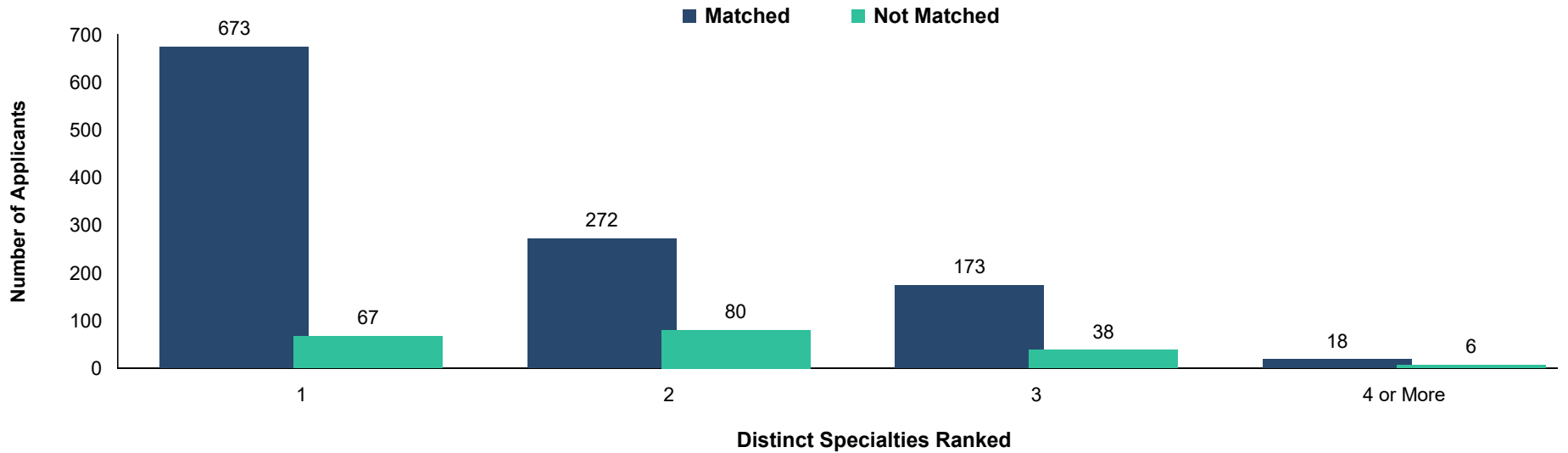
\*Only applicants who indicated completion of the USMLE Step 1 exam prior to the transition to pass/fail (i.e., prior to January 26, 2022) had the option to self-report their Step 1 numeric score. In 2024, only 2,143 U.S. MD seniors self-reported Step 1 numeric scores.

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>).



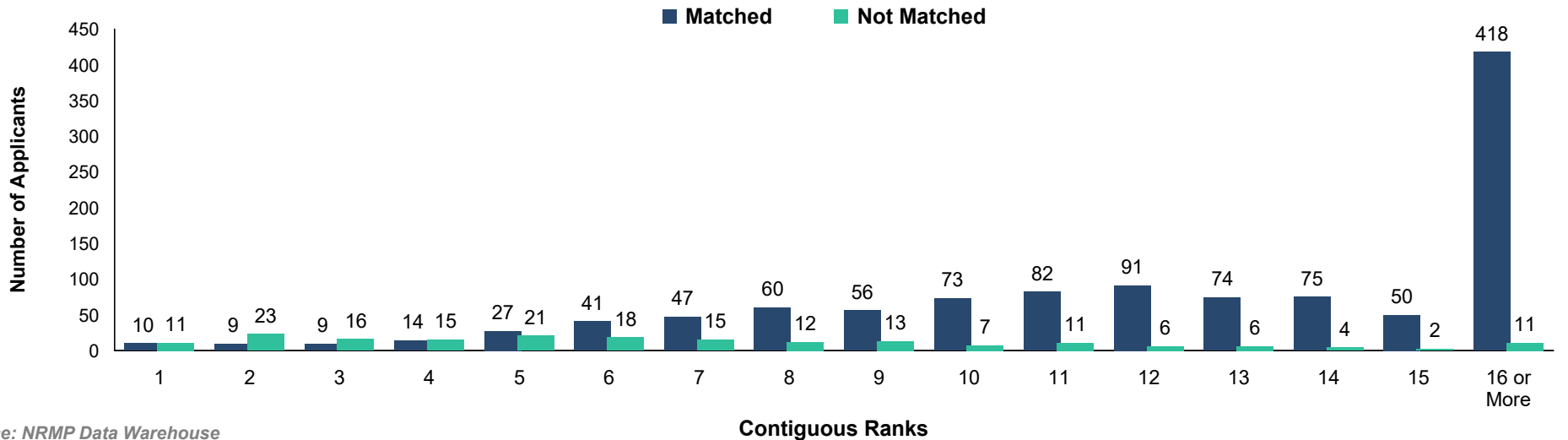
**Chart AN-1**

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



**Chart AN-2**

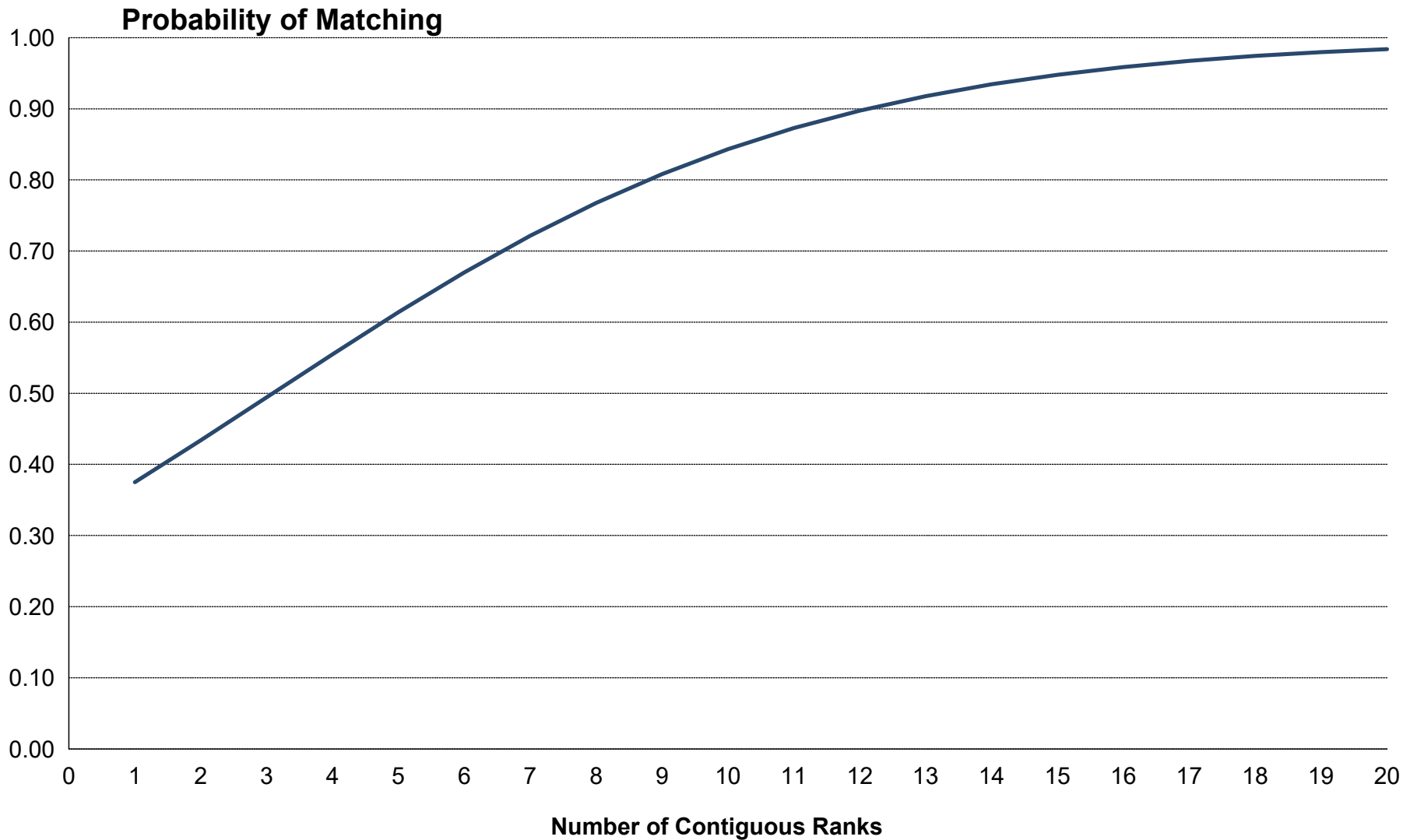
**Number of Contiguous Ranks of U.S. MD Seniors  
Anesthesiology**



Source: NRMP Data Warehouse

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

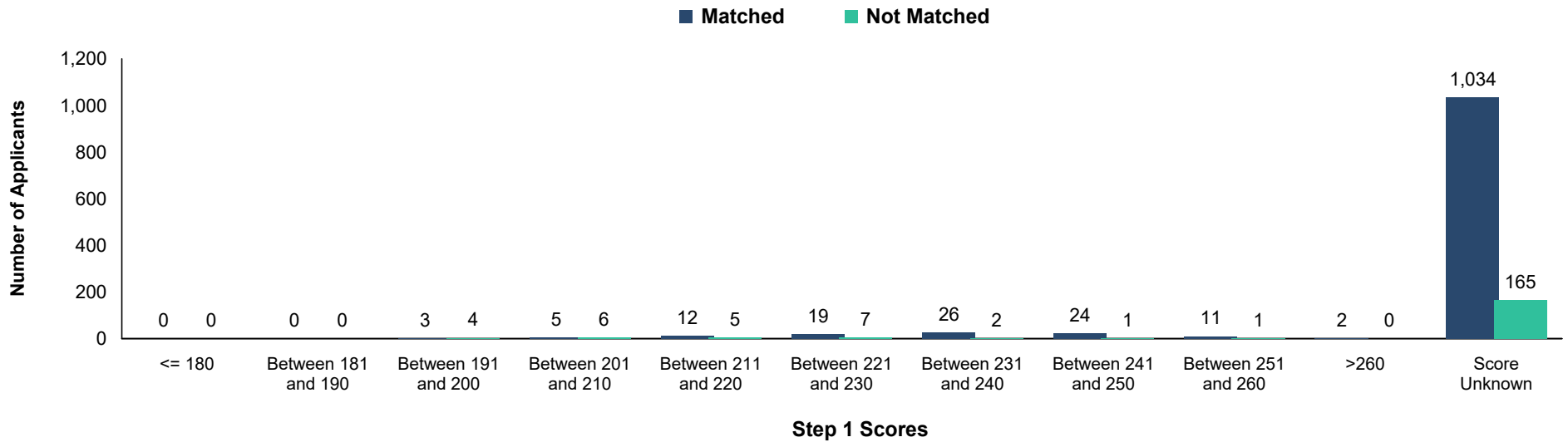
## Anesthesiology



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

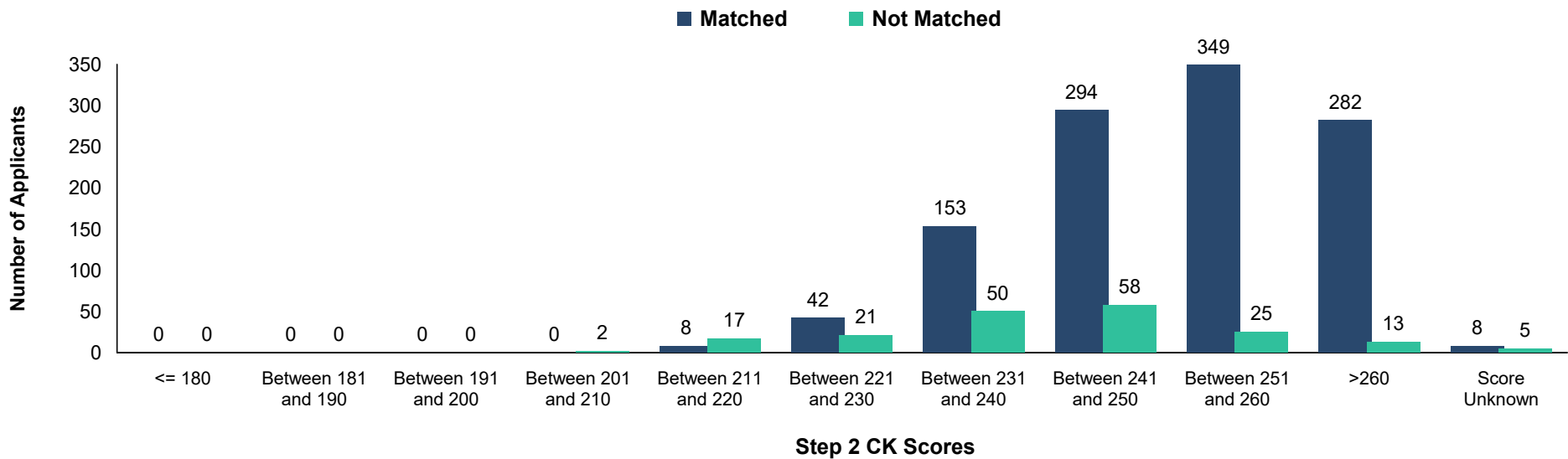
**Chart AN-3**

**USMLE Step 1 Scores of U.S. MD Seniors  
Anesthesiology**



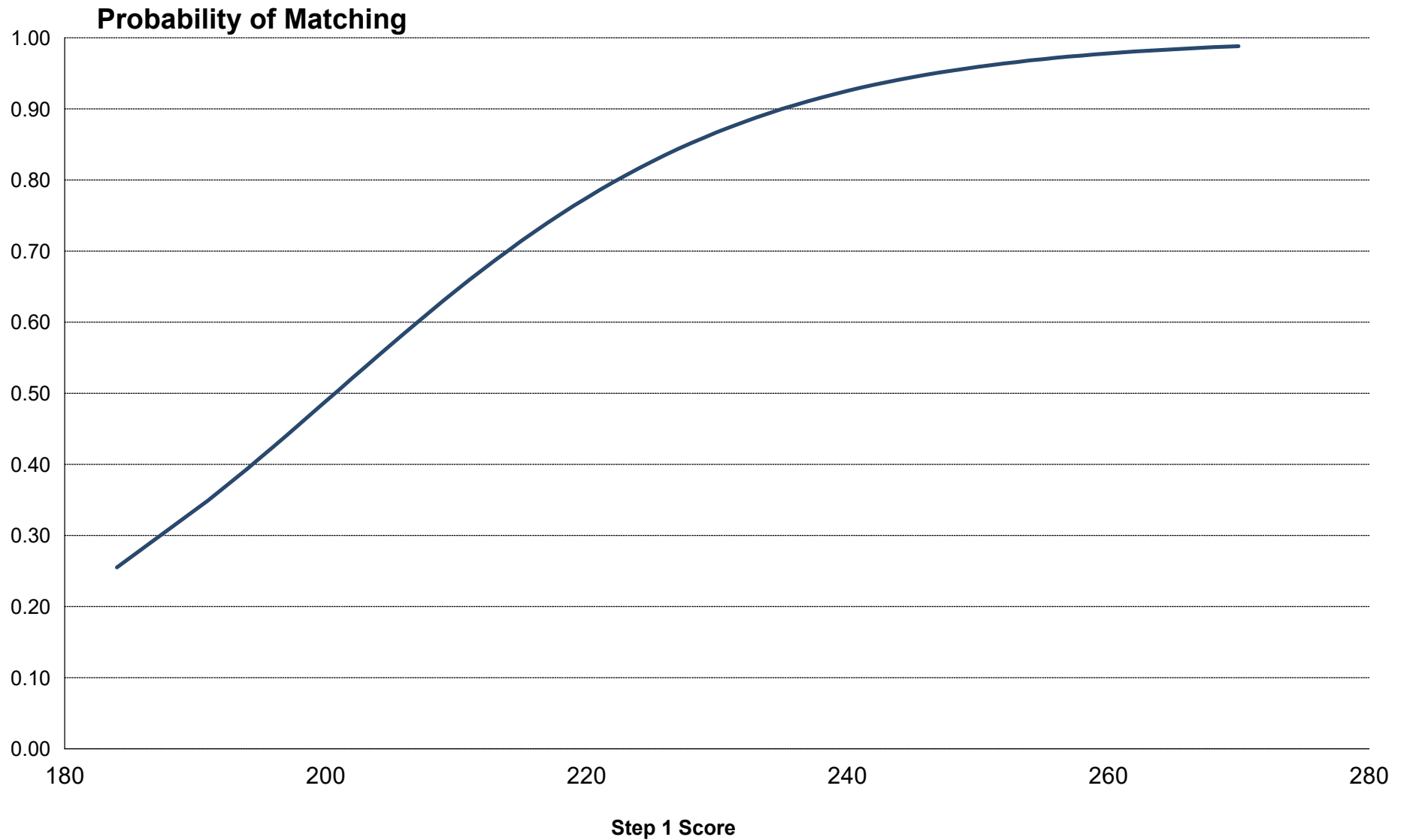
**Chart AN-4**

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



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

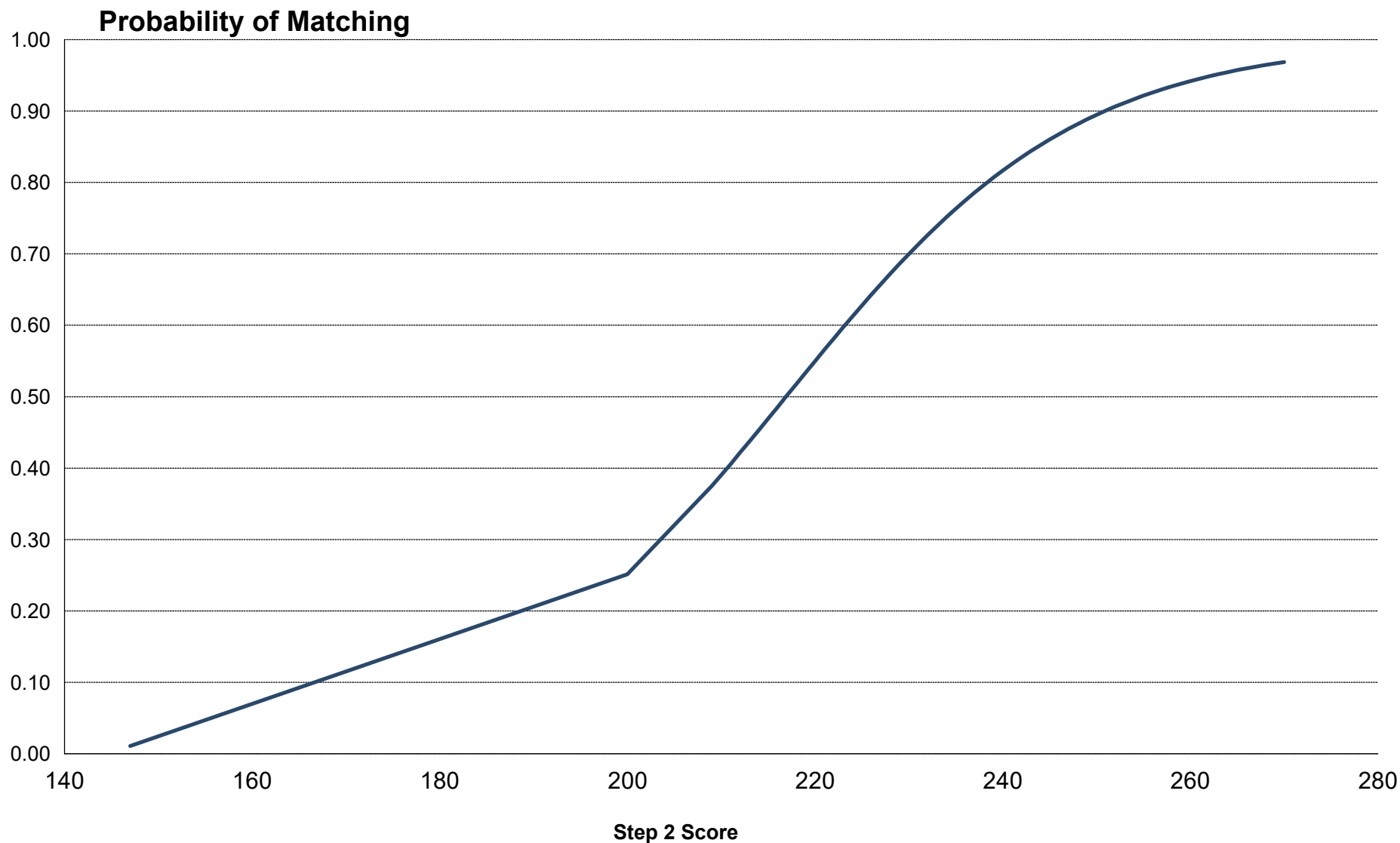
## Anesthesiology



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

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

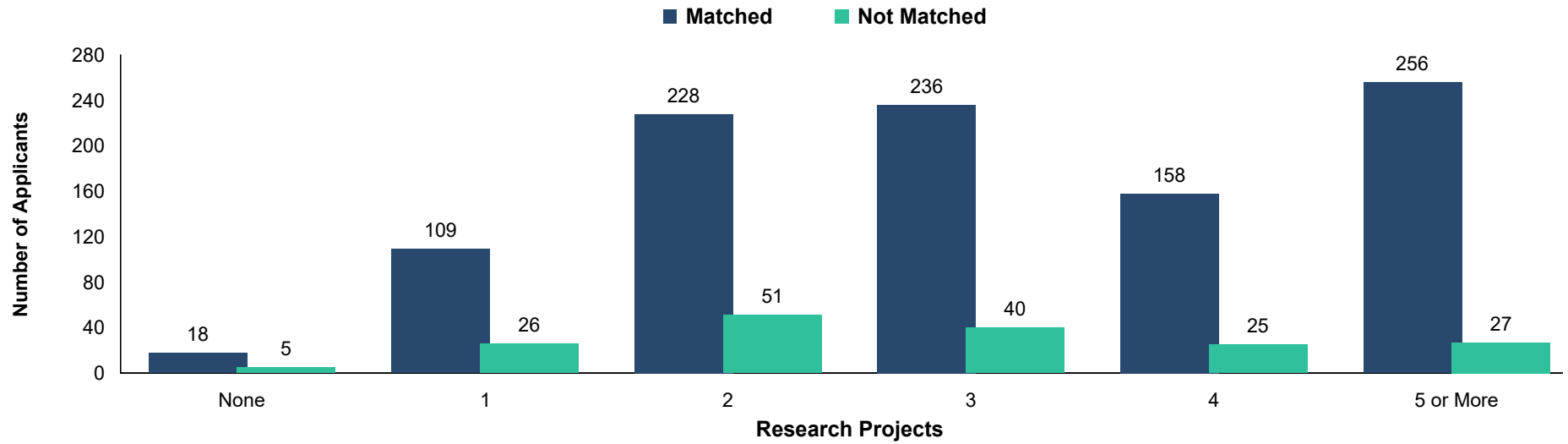
## Anesthesiology



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

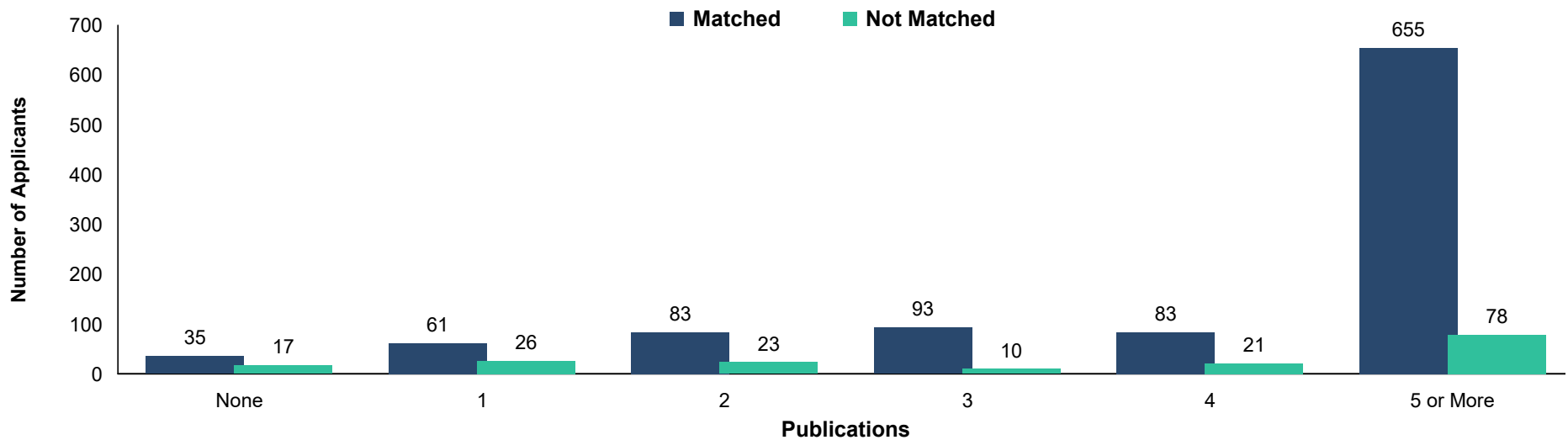
**Chart AN-5**

### Number of Research Projects of U.S. MD Seniors *Anesthesiology*



**Chart AN-6**

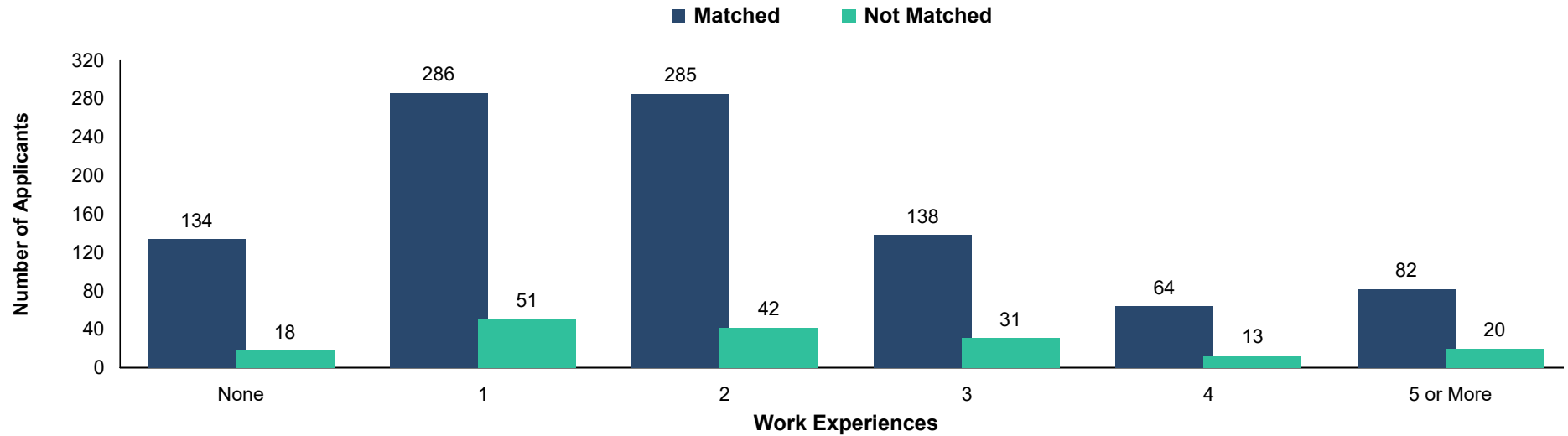
### Number of Abstracts, Presentations, and Publications of U.S. MD Seniors *Anesthesiology*



Source: NRMP Data Warehouse

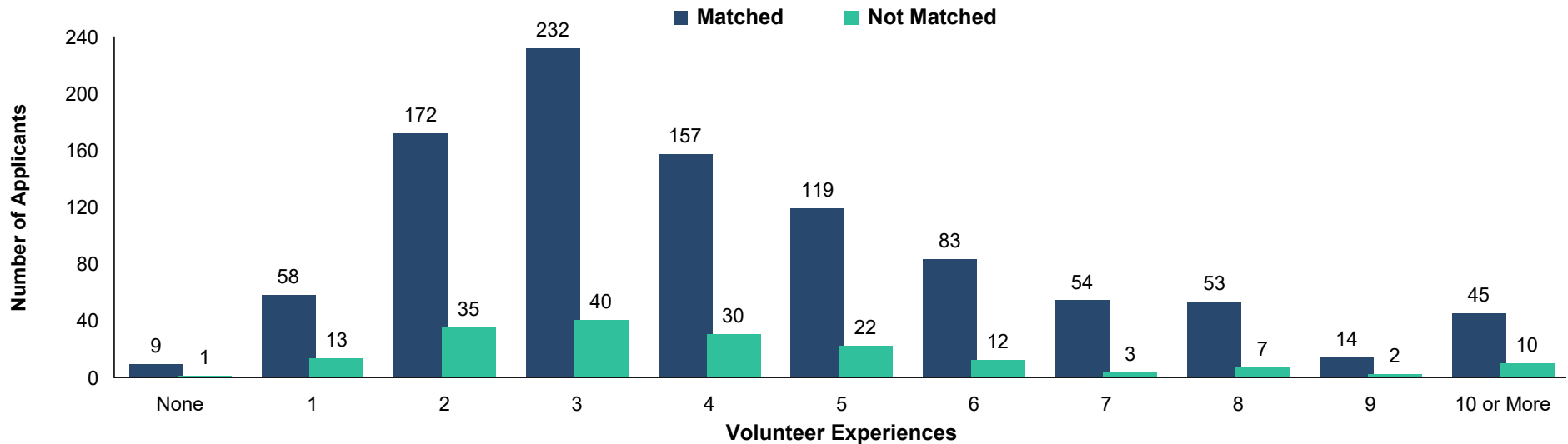
**Chart AN-7**

**Number of Work Experiences of U.S. MD Seniors  
Anesthesiology**



**Chart AN-8**

**Number of Volunteer Experiences of U.S. MD Seniors  
Anesthesiology**

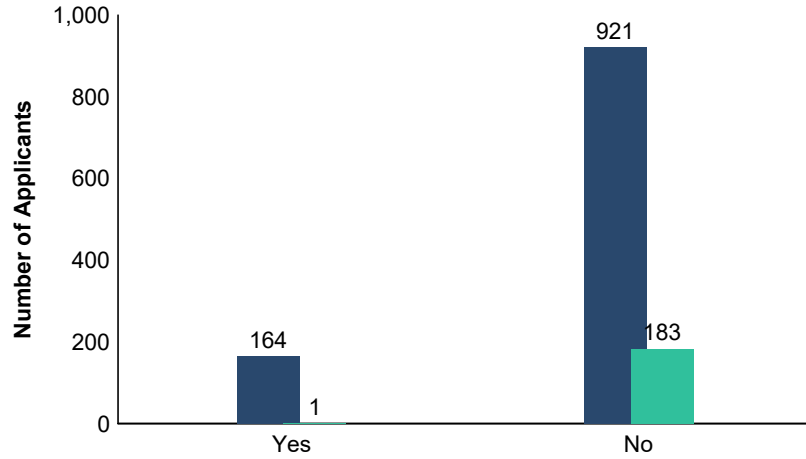


Source: NRMP Data Warehouse

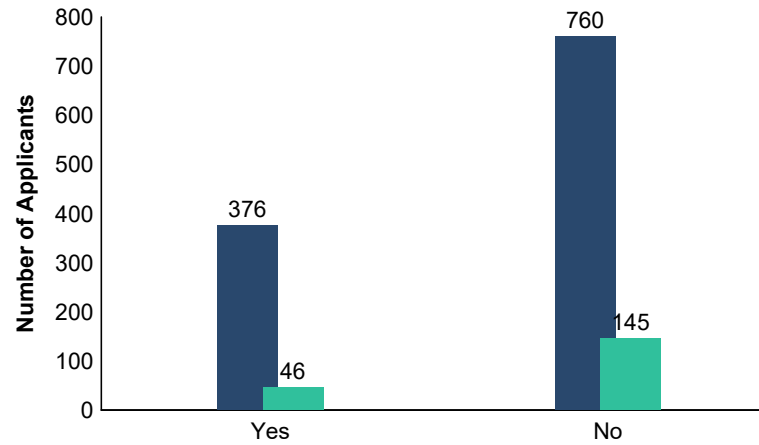
**Other Characteristics of U.S. MD Seniors  
Anesthesiology**

■ Matched ■ Not Matched

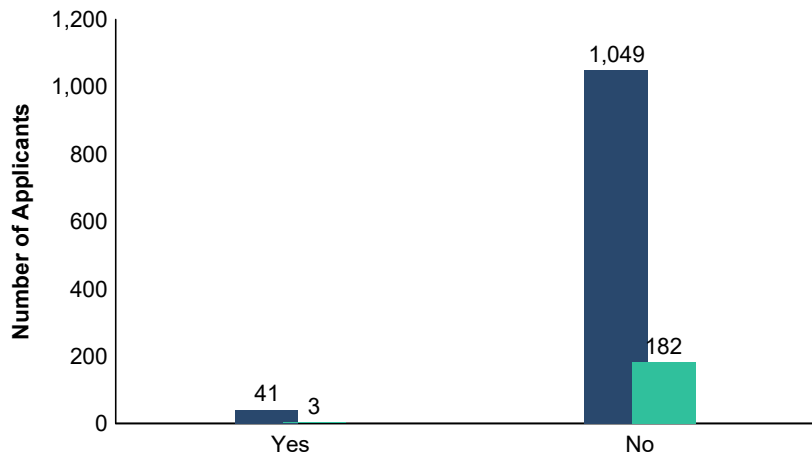
**AOA Membership**



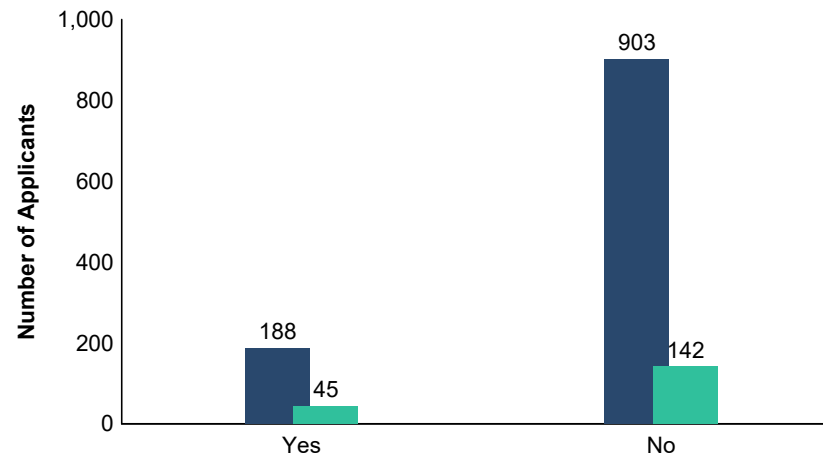
**Graduate of One of the 40 U.S. Medical Schools with the Highest NIH Funding**



**Ph.D. Degree**



**Other Graduate Degree**



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



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**CN** Child Neurology

## Summary Statistics on U.S. MD Seniors

### Child Neurology

| Measure   | Matched<br>(n=115) | Unmatched<br>(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                |

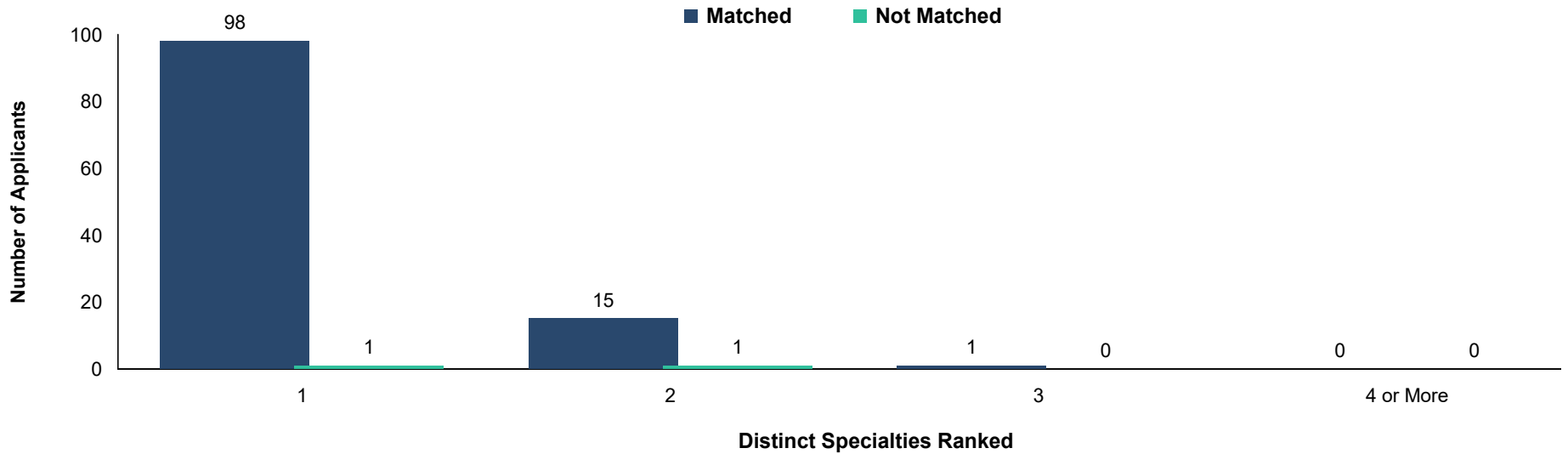
Note: Only U.S. MD seniors who gave consent to use their information in research are included.

\*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>).

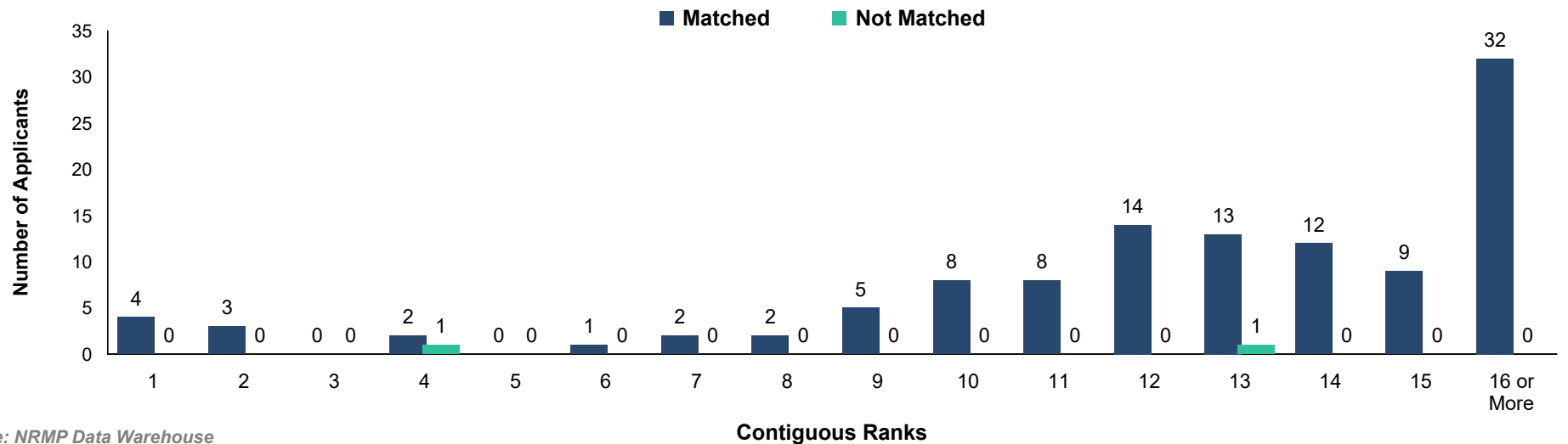
**Chart  
CN-1**

**Number of Distinct Specialties Ranked by U.S. MD Seniors  
Child Neurology**



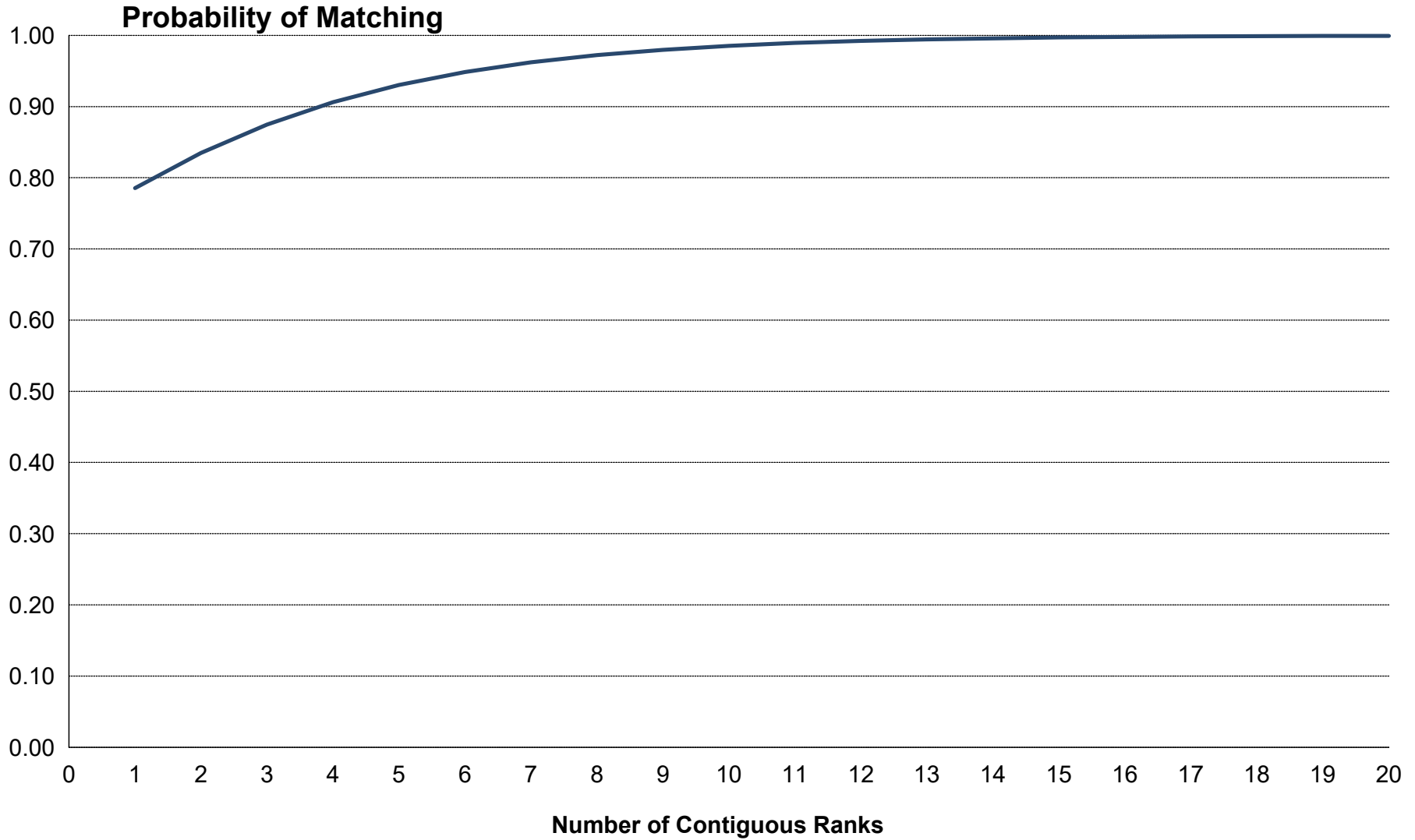
**Chart  
CN-2**

**Number of Contiguous Ranks of U.S. MD Seniors  
Child Neurology**



Source: NRMP Data Warehouse

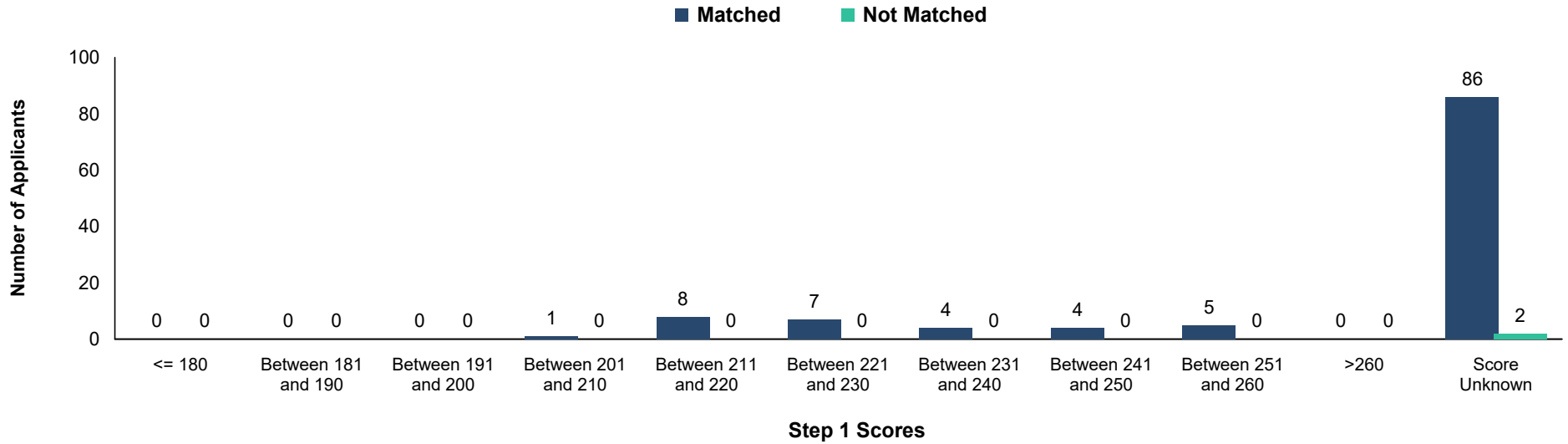
**Probability of U.S. MD Seniors Matching to Preferred Specialty by Number of Contiguous Ranks**  
*Child Neurology*



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

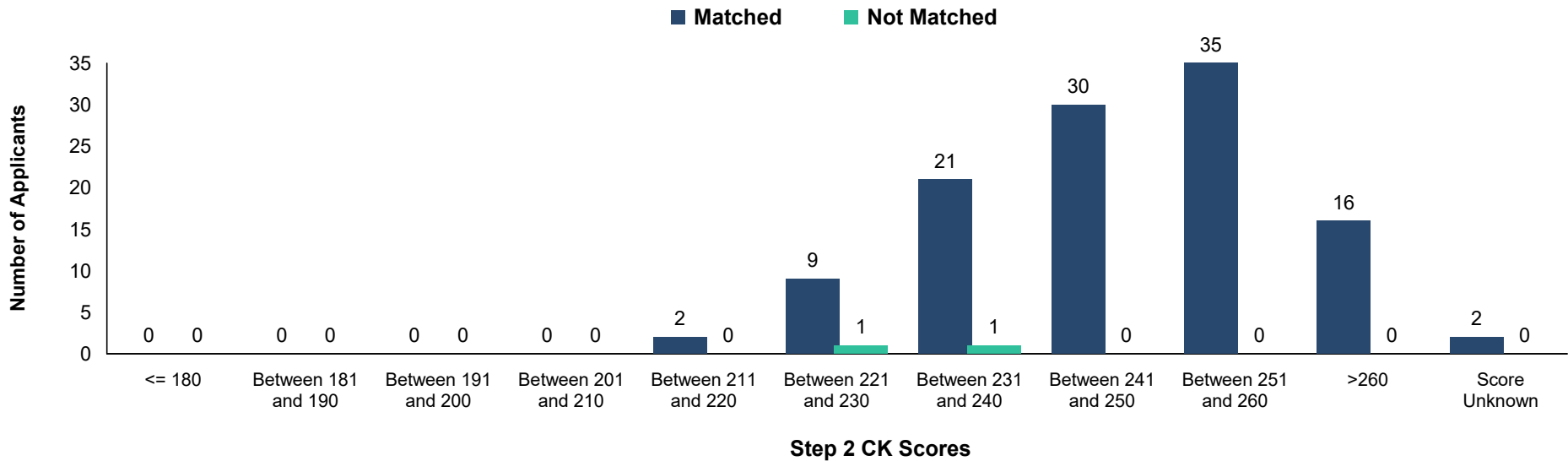
**Chart  
CN-3**

**USMLE Step 1 Scores of U.S. MD Seniors**  
*Child Neurology*



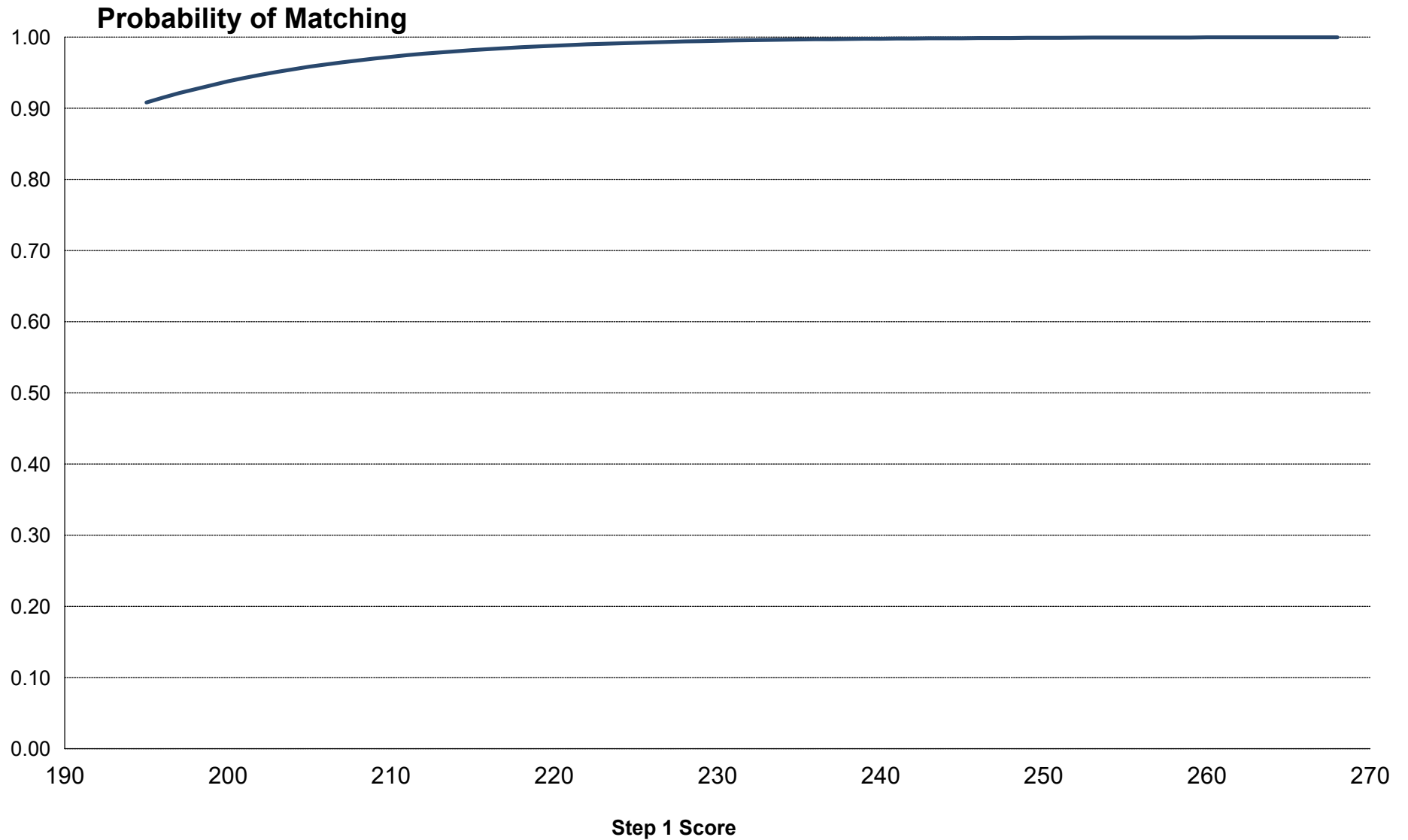
**Chart  
CN-4**

**USMLE Step 2 CK Scores of U.S. MD Seniors**  
*Child Neurology*



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

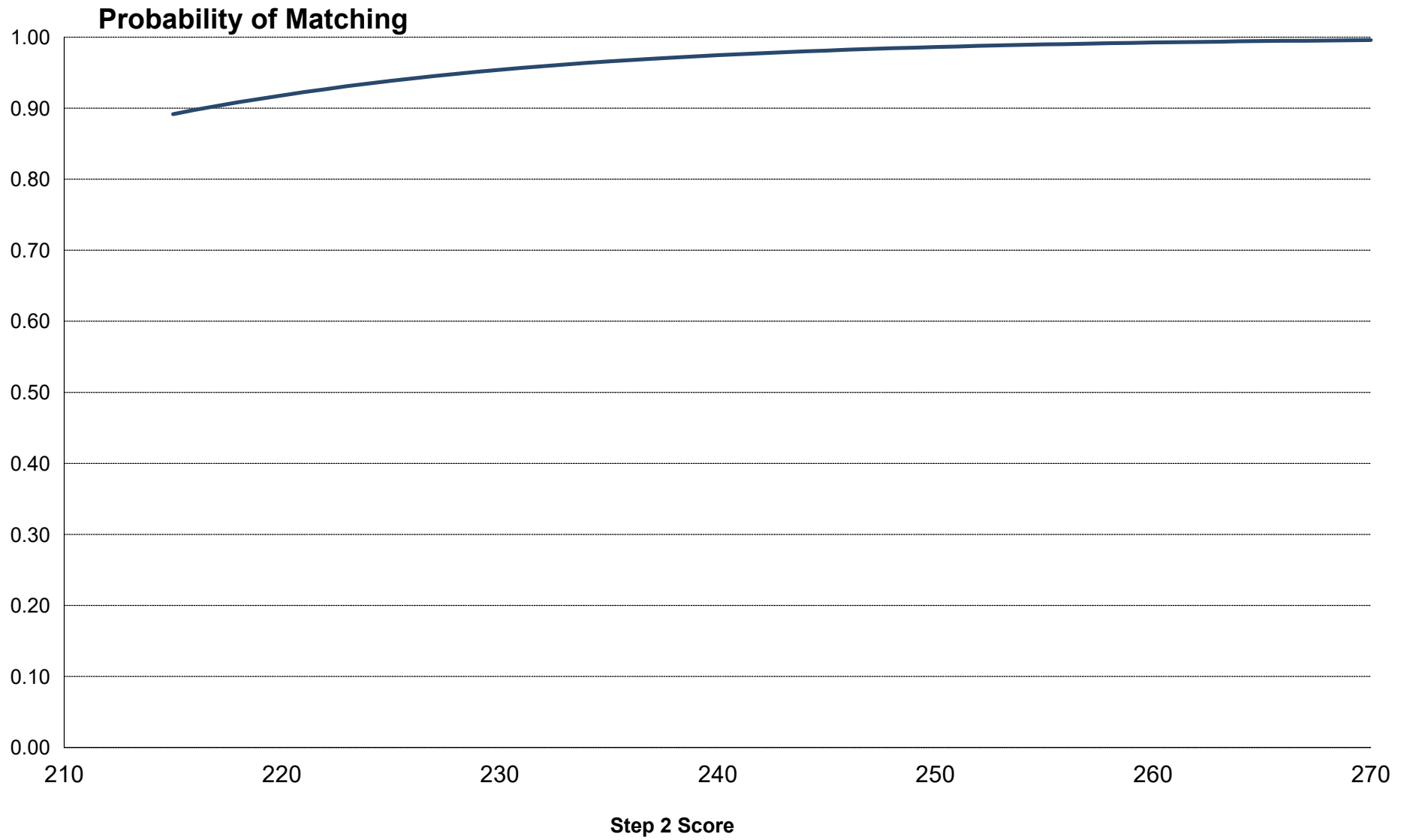
## Child Neurology



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

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

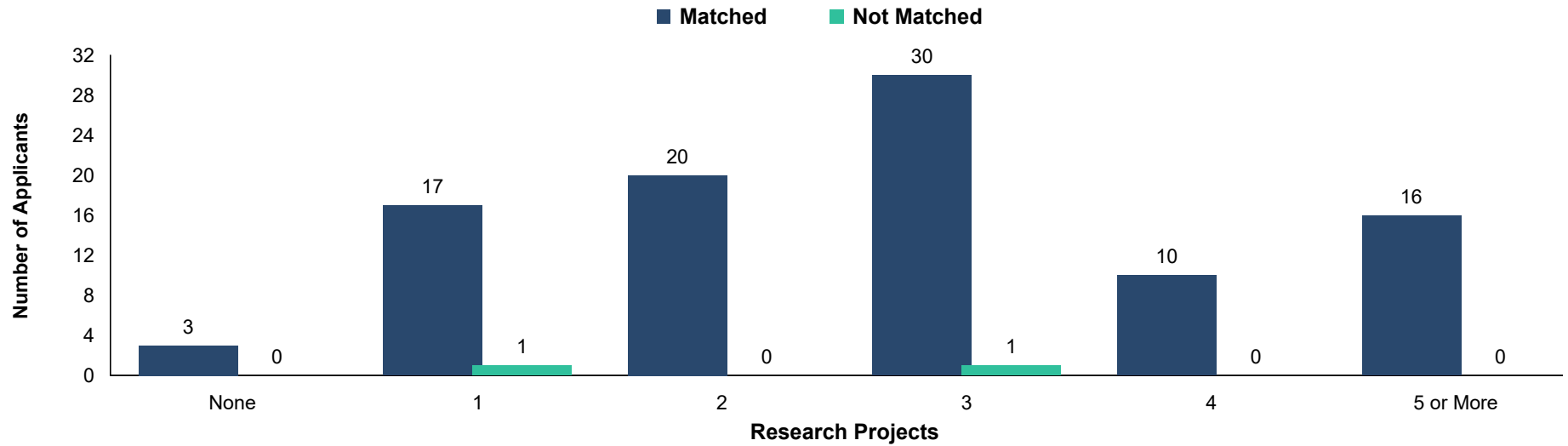
## Child Neurology



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

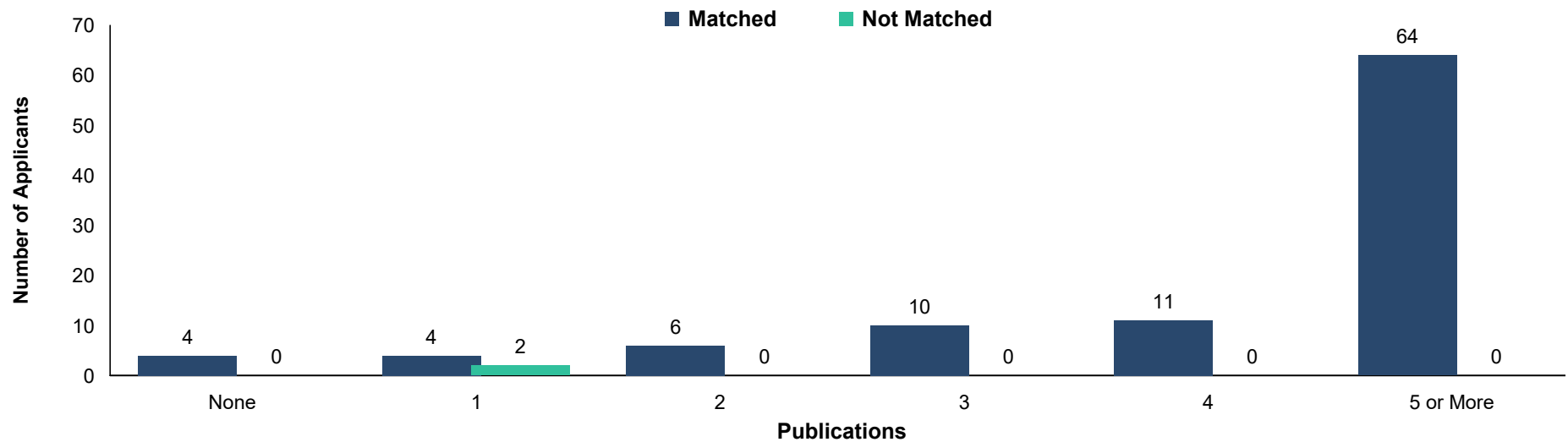
**Chart  
CN-5**

**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**

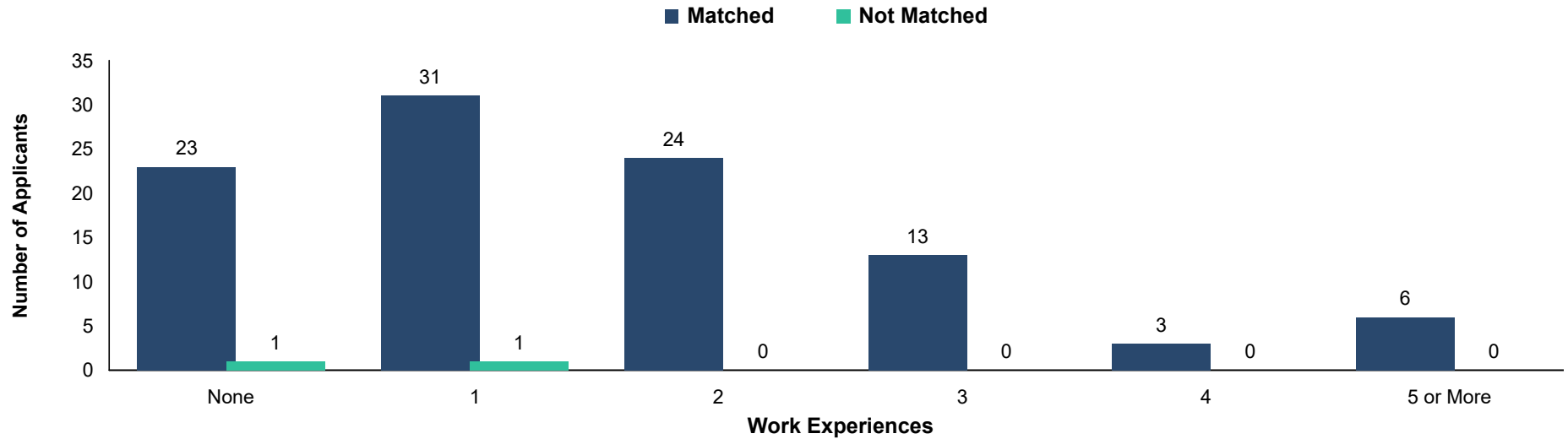


Source: NRMP Data Warehouse



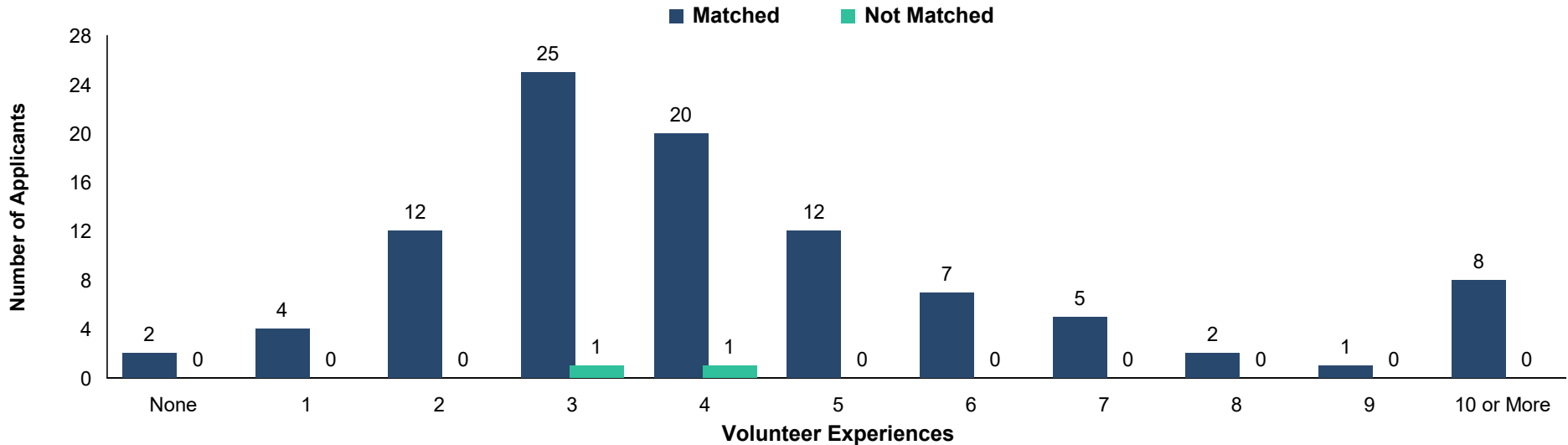
**Chart  
CN-7**

### Number of Work Experiences of U.S. MD Seniors *Child Neurology*



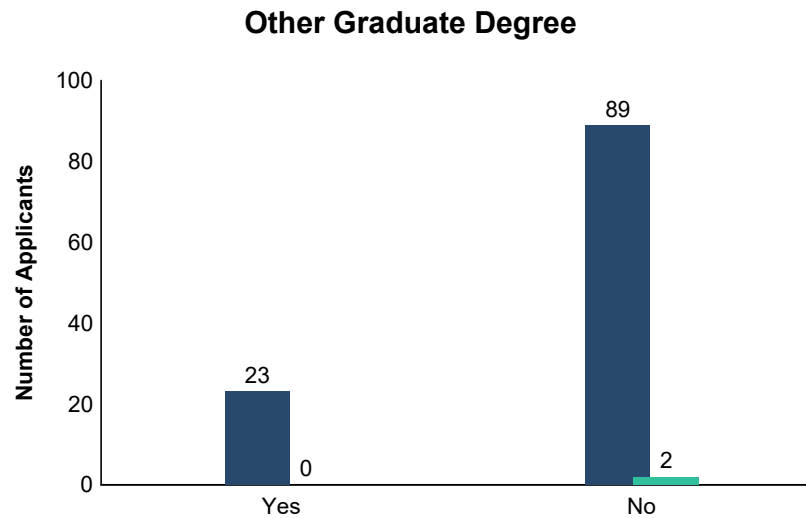
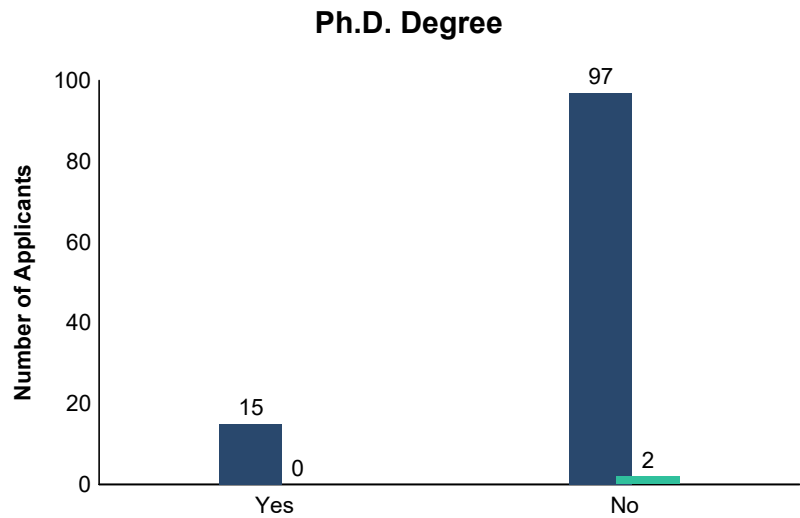
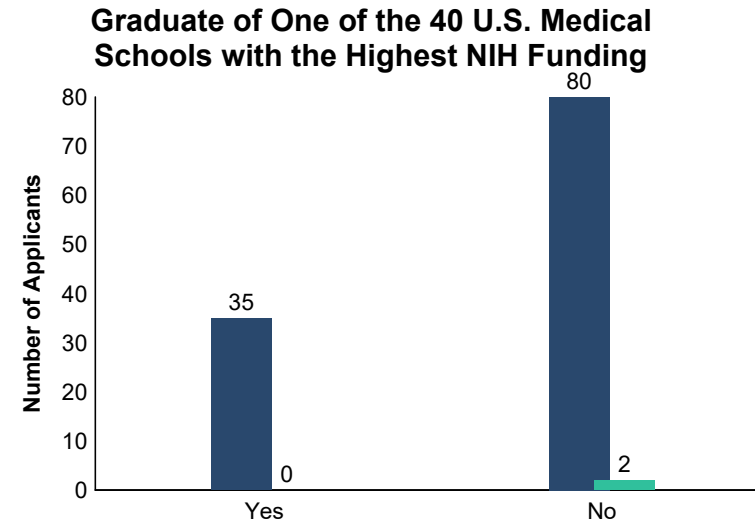
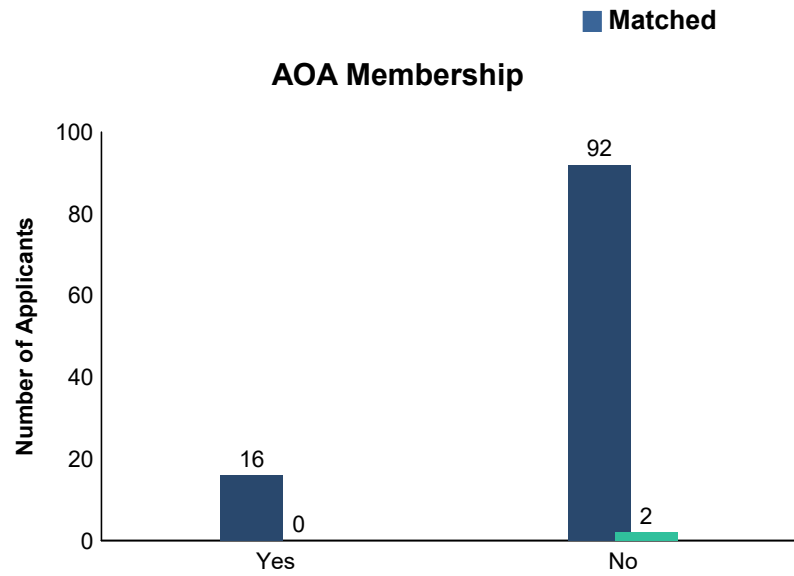
**Chart  
CN-8**

### Number of Volunteer Experiences of U.S. MD Seniors *Child Neurology*



Source: NRMP Data Warehouse

**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>

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**DM** Dermatology

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

| Measure   | Matched<br>(n=314) | Unmatched<br>(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                 |

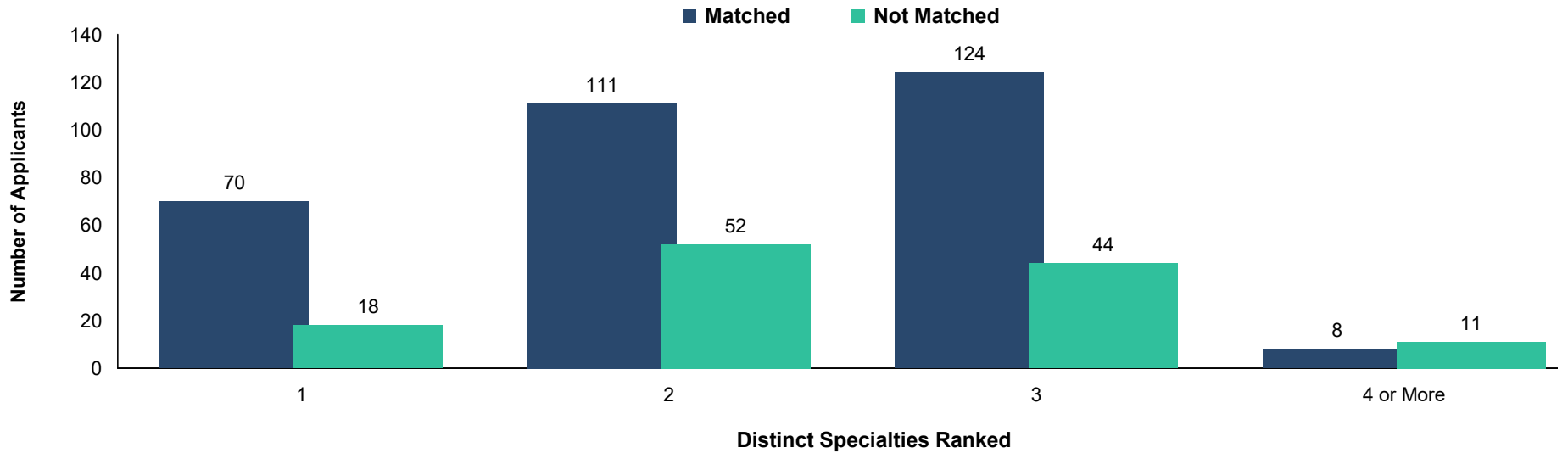
Note: Only U.S. MD seniors who gave consent to use their information in research are included.

\*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>).

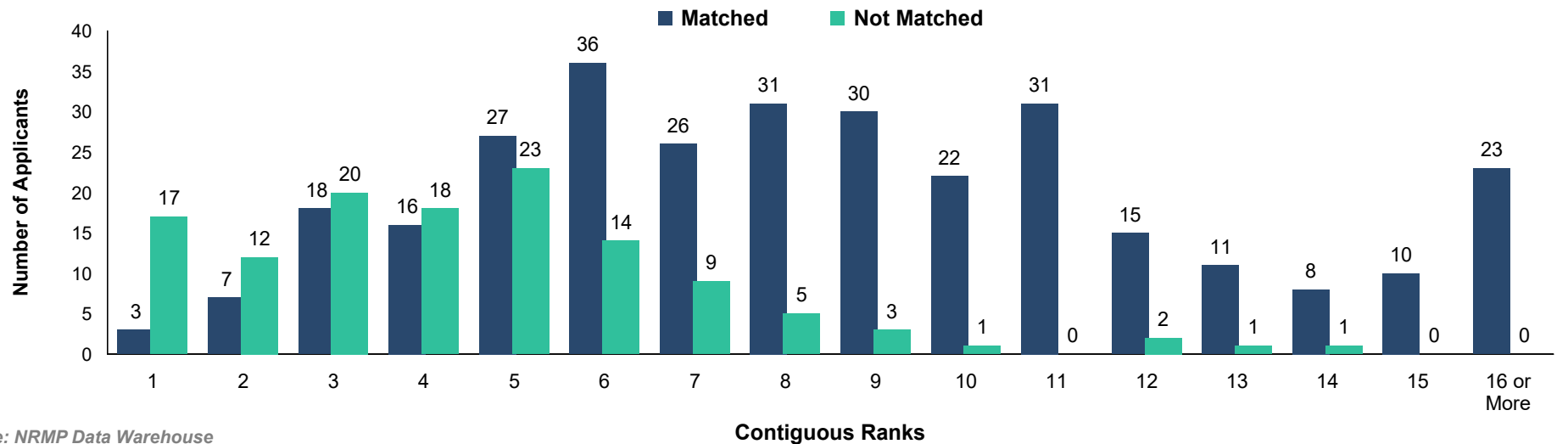
**Chart  
DM-1**

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



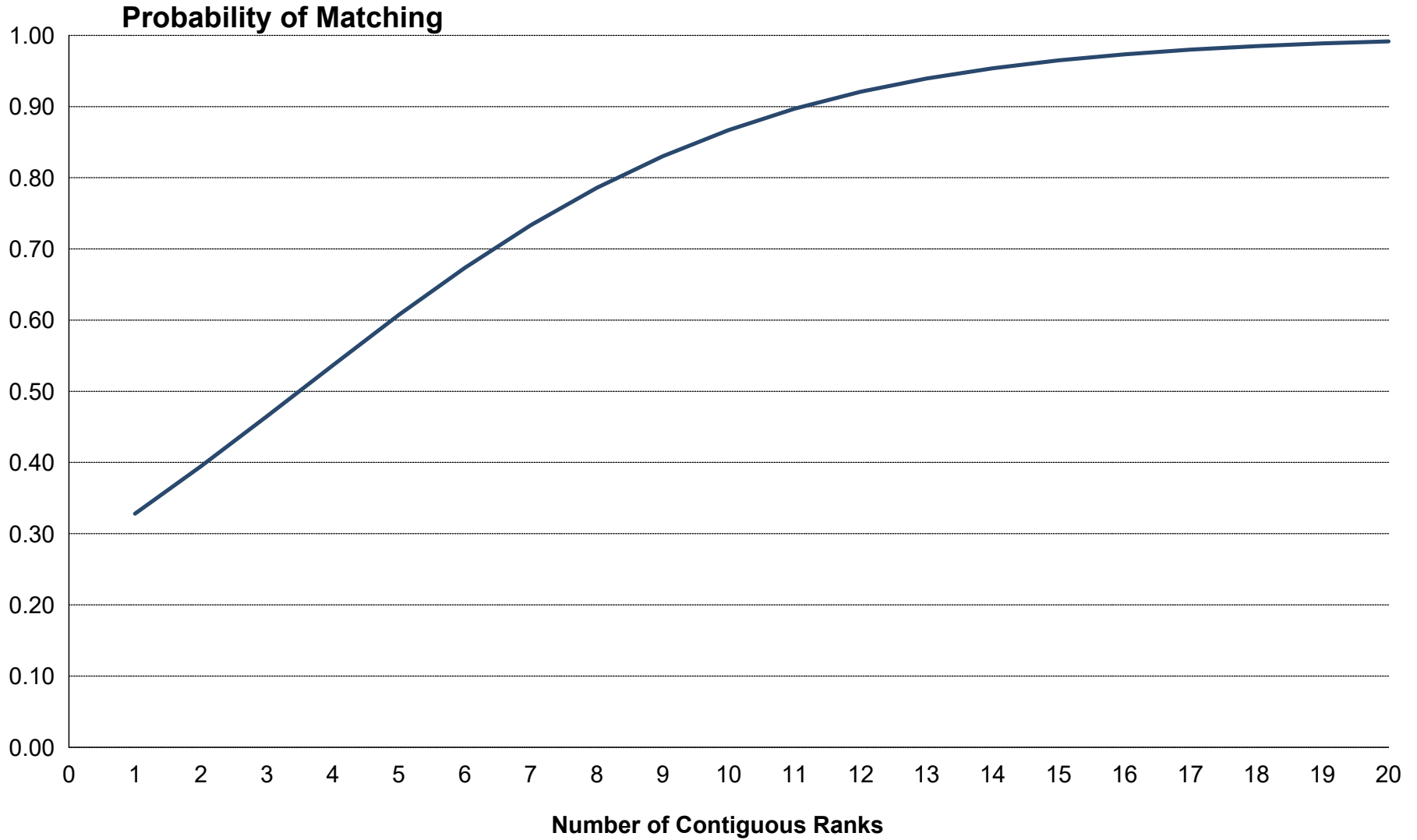
**Chart  
DM-2**

**Number of Contiguous Ranks of U.S. MD Seniors  
Dermatology**



Source: NRMP Data Warehouse

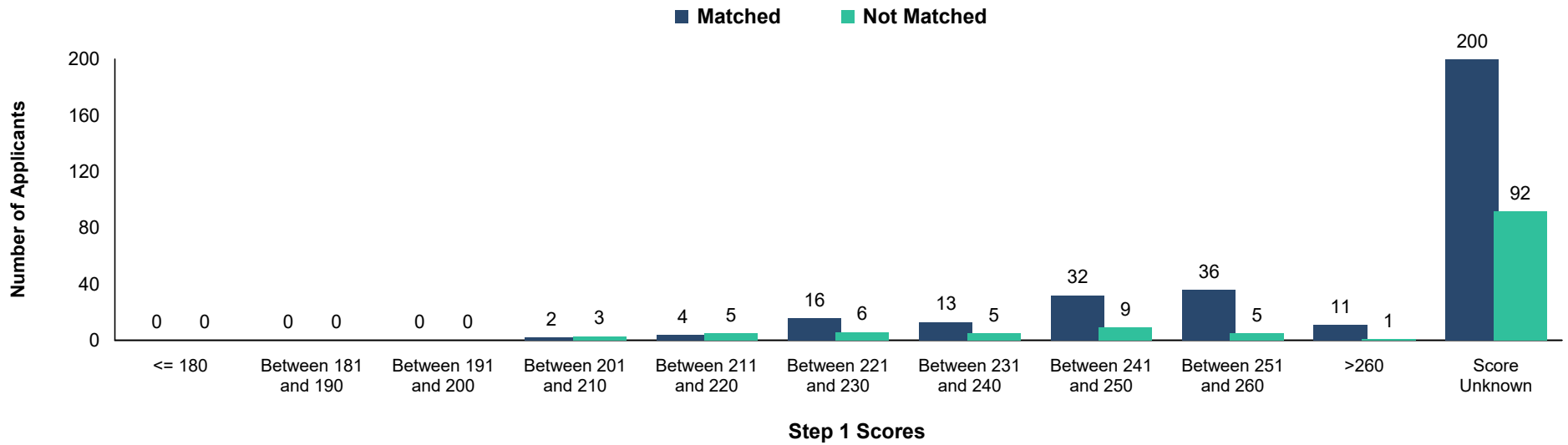
**Probability of U.S. MD Seniors Matching to Preferred Specialty by Number of Contiguous Ranks**  
*Dermatology*



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

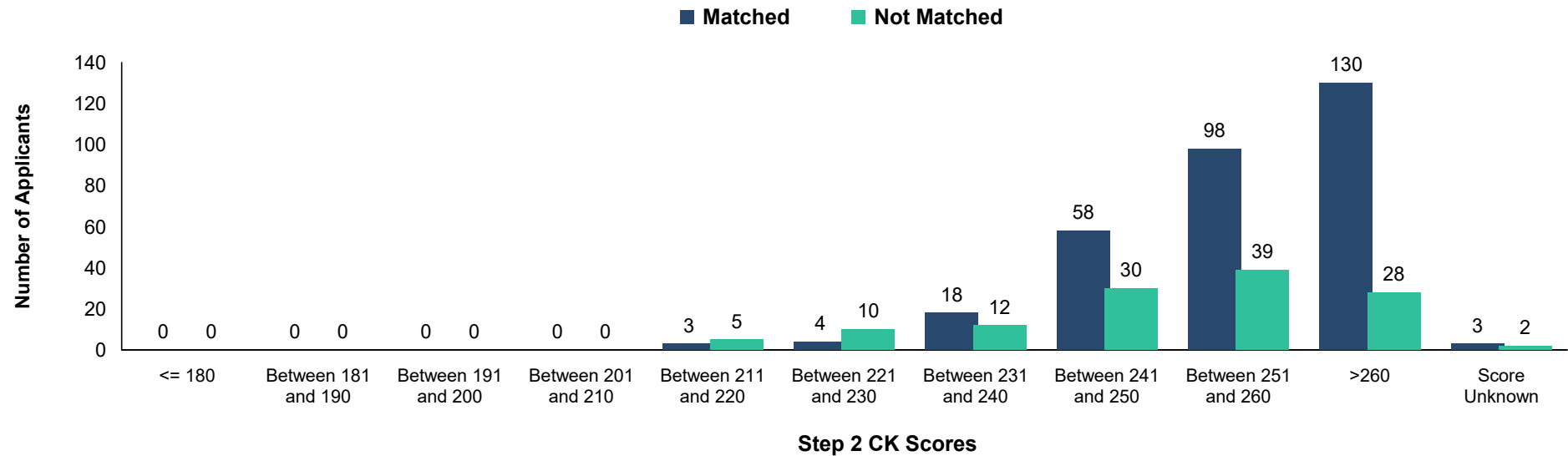
**Chart  
DM-3**

**USMLE Step 1 Scores of U.S. MD Seniors  
Dermatology**



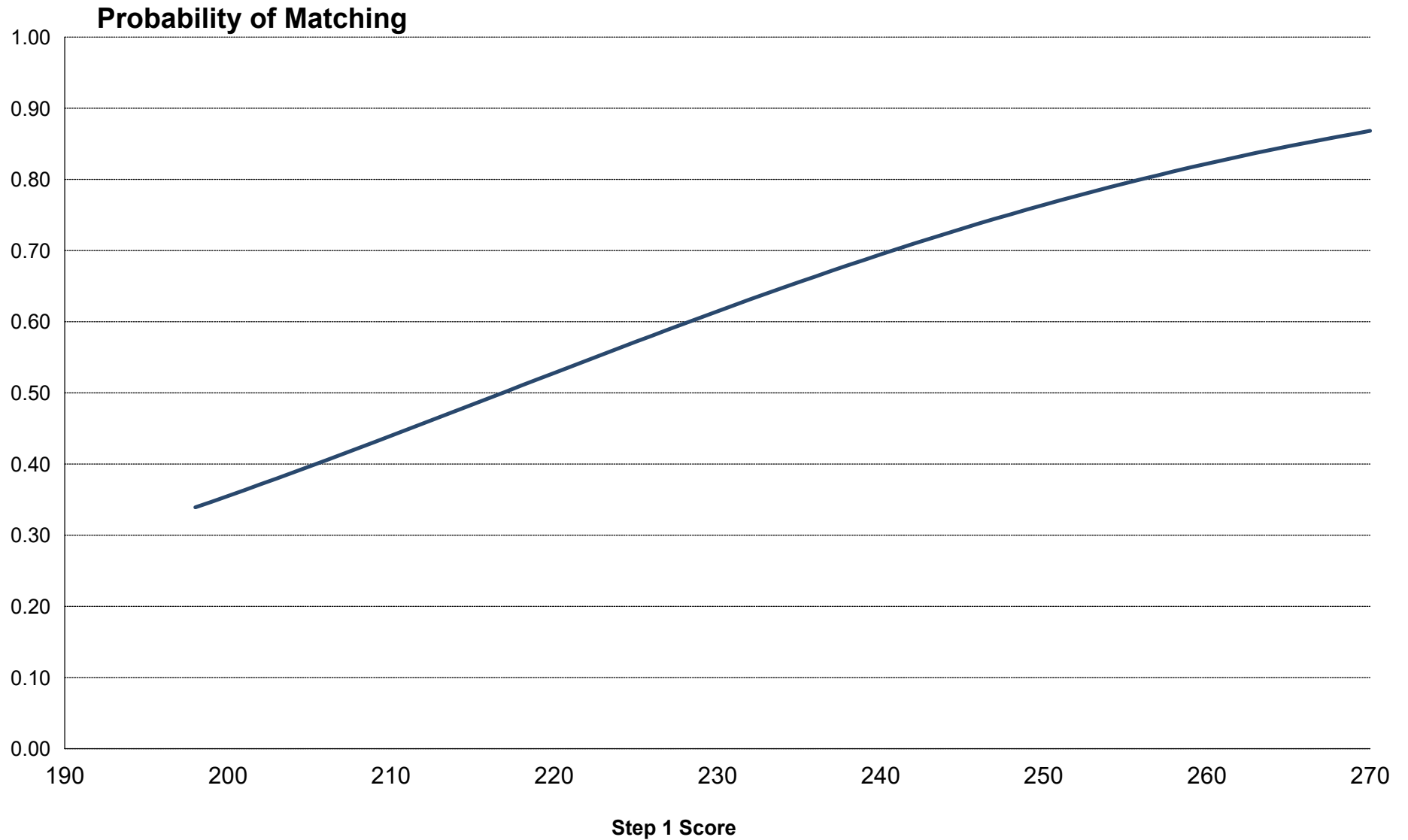
**Chart  
DM-4**

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



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

## Dermatology

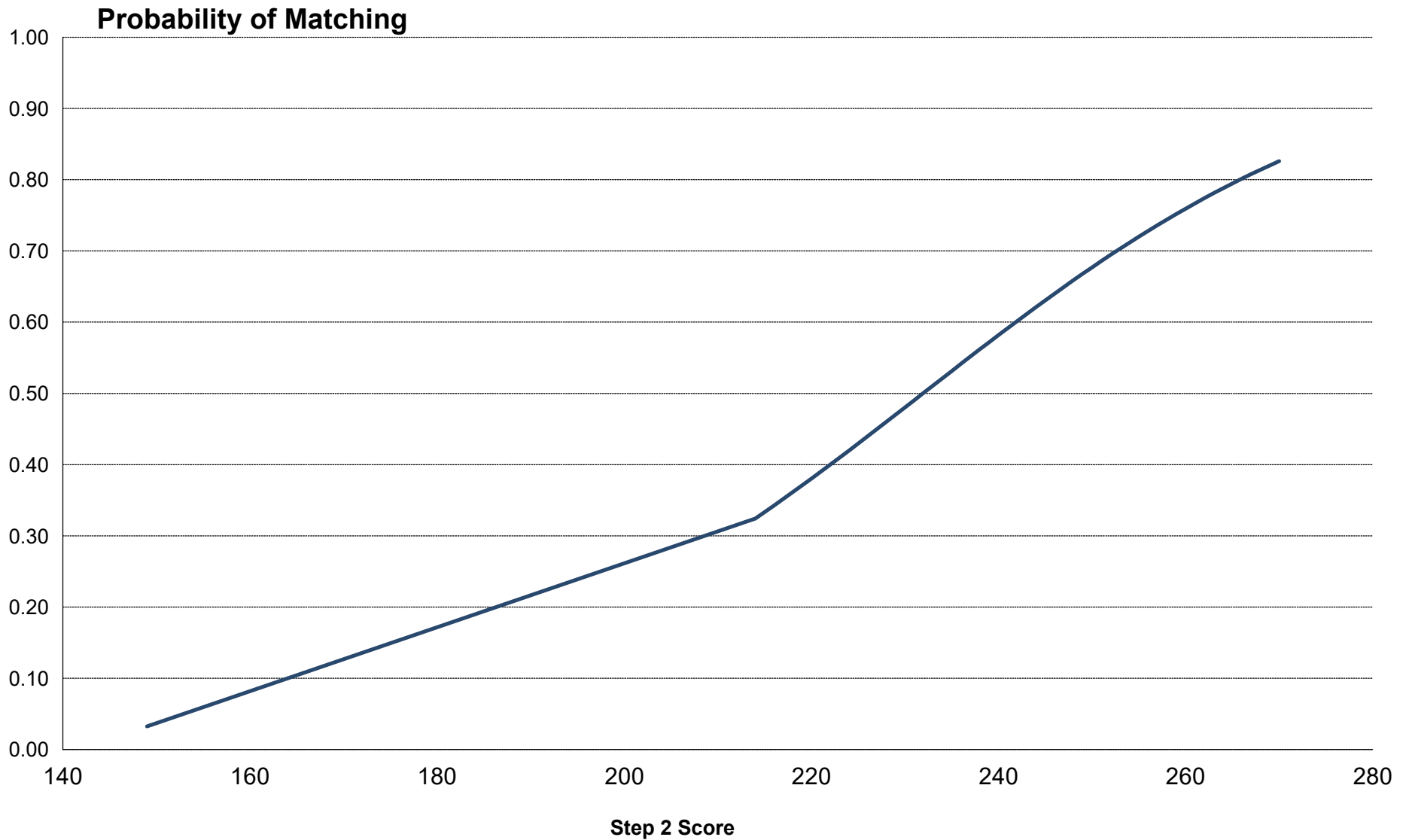


Source: NRMP Data Warehouse. Note: Probabilities calculated based on 2022-2024 applicants.



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

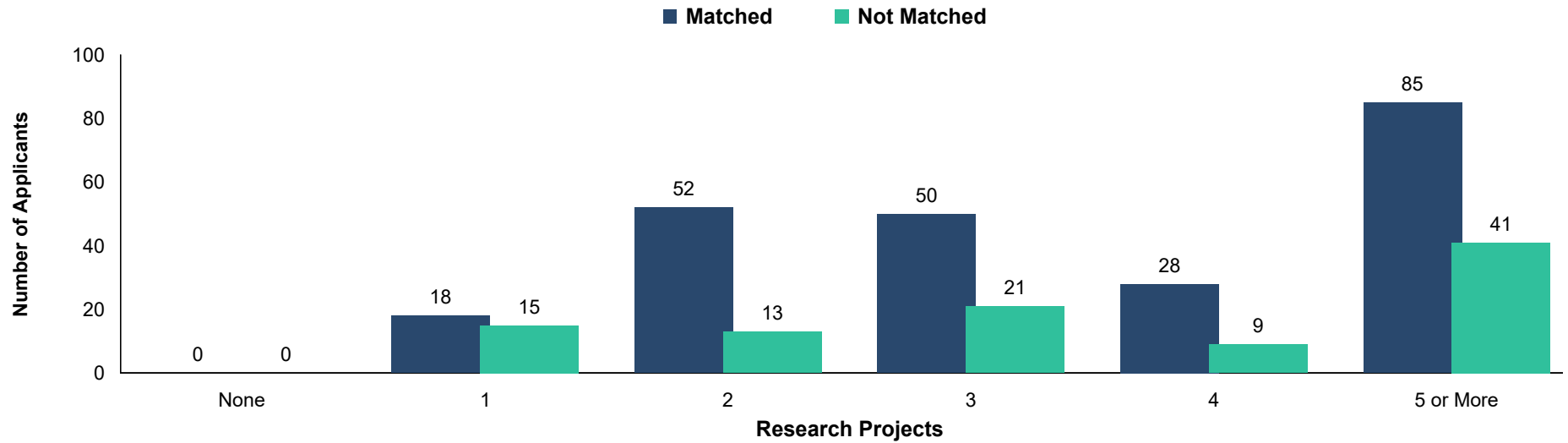
## *Dermatology*



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

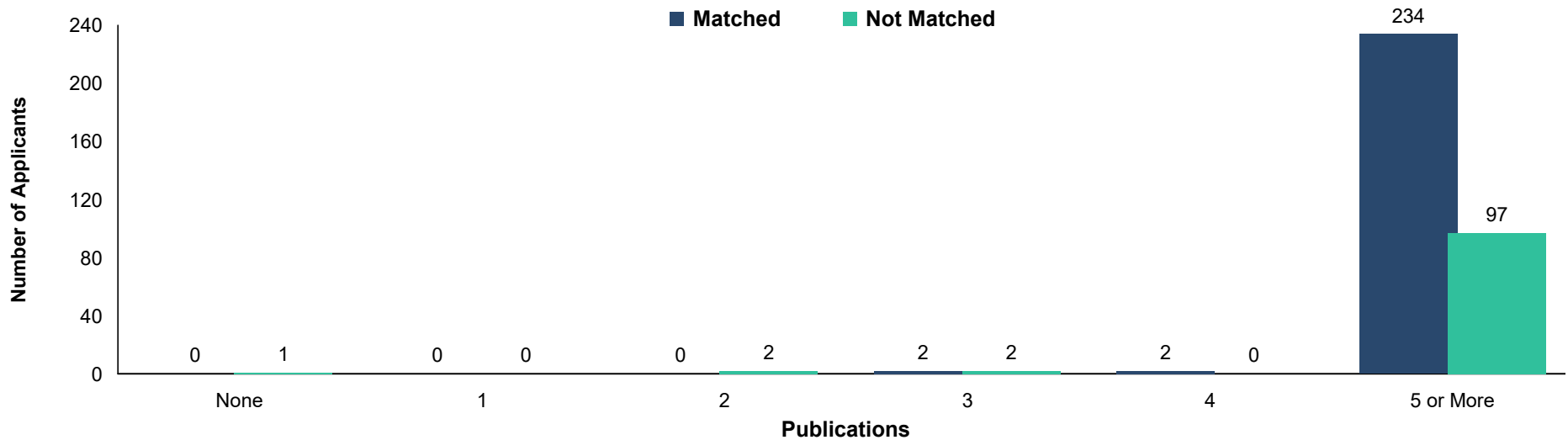
**Chart  
DM-5**

**Number of Research Projects of U.S. MD Seniors  
Dermatology**



**Chart  
DM-6**

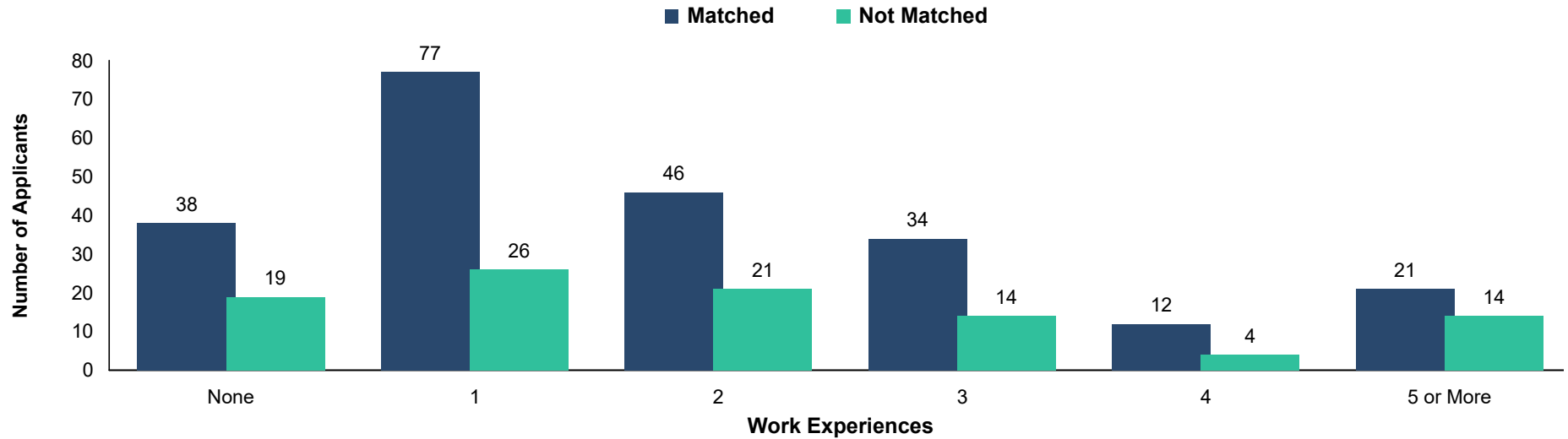
**Number of Abstracts, Presentations, and Publications of U.S. MD Seniors  
Dermatology**



Source: NRMP Data Warehouse

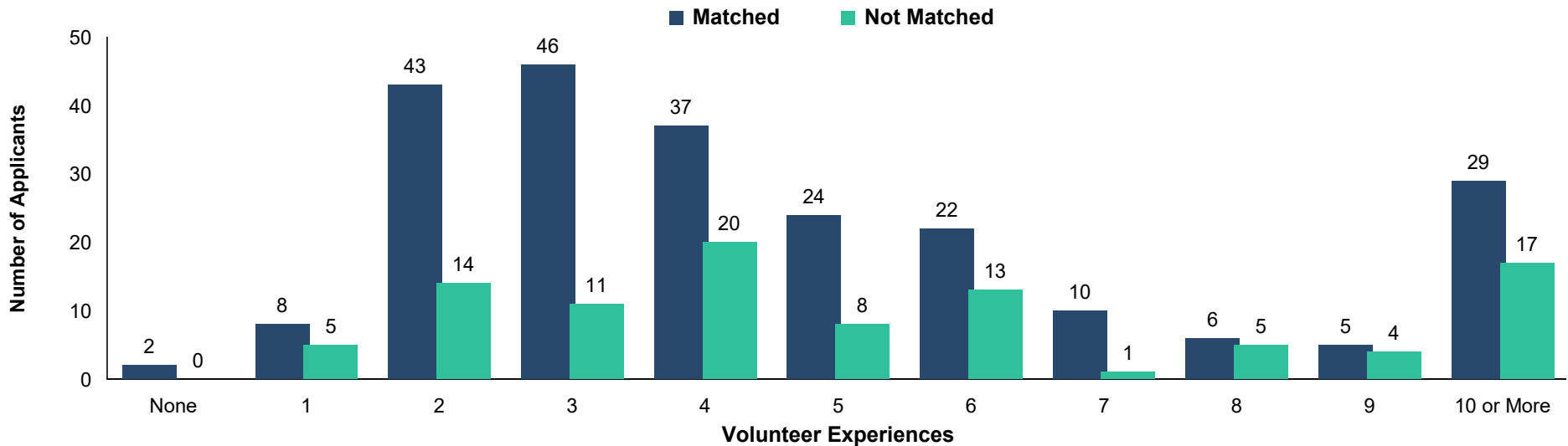
**Chart  
DM-7**

### Number of Work Experiences of U.S. MD Seniors *Dermatology*



**Chart  
DM-8**

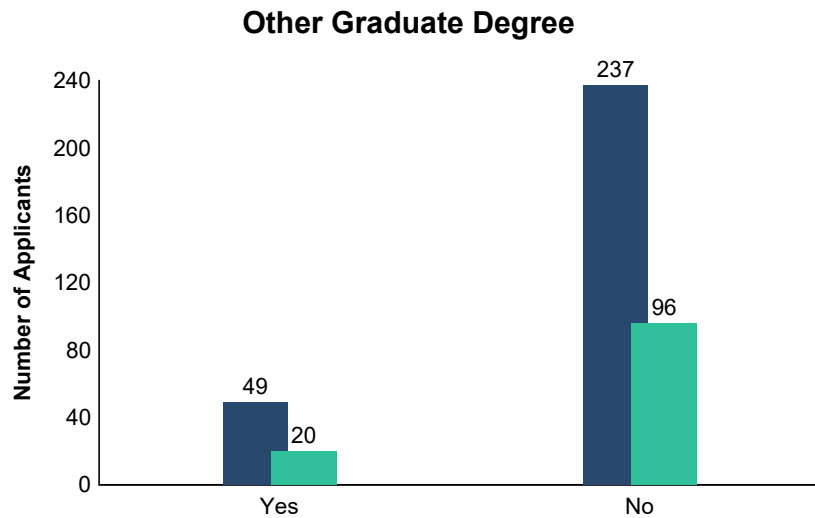
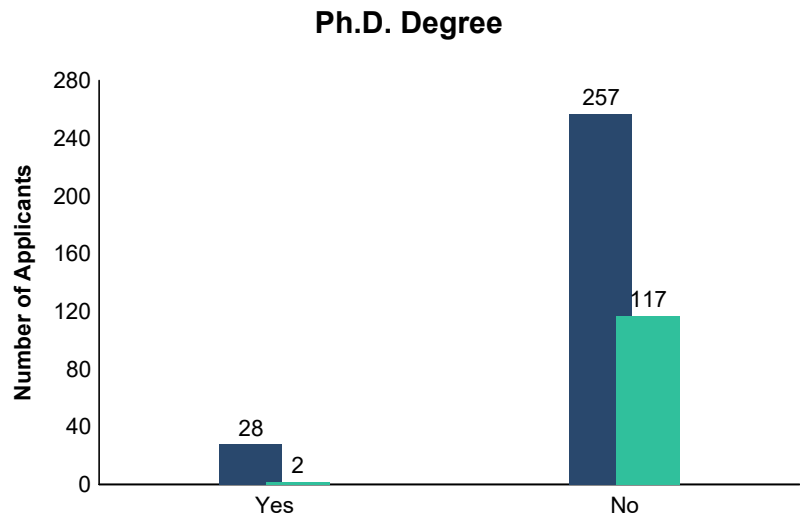
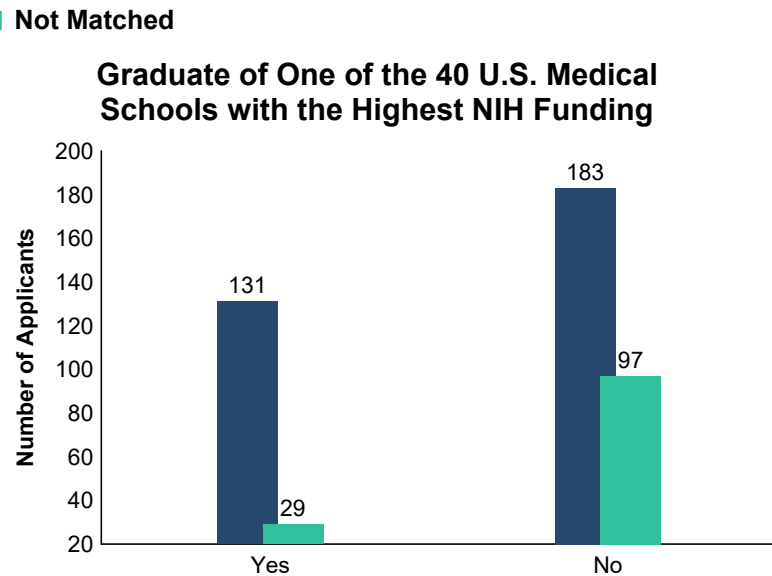
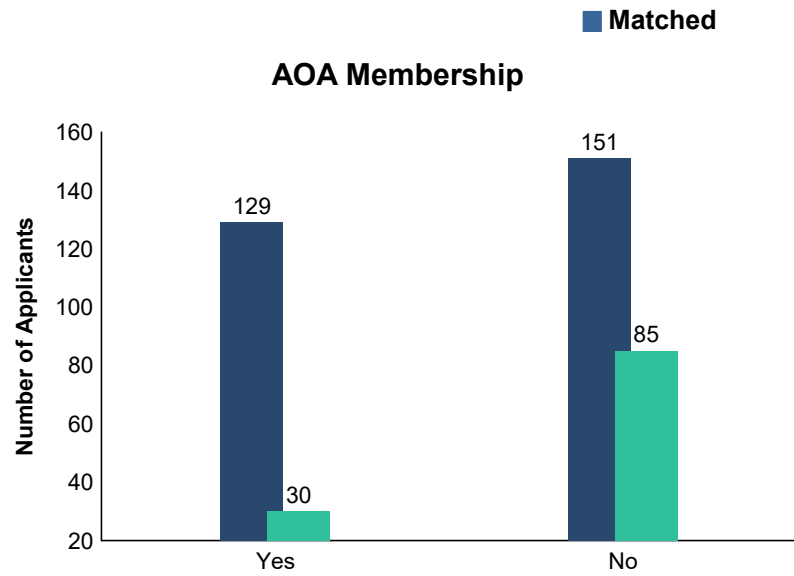
### Number of Volunteer Experiences of U.S. MD Seniors *Dermatology*



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>

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**DR** Diagnostic Radiology

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

| Measure   | Matched<br>(n=625) | Unmatched<br>(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                |

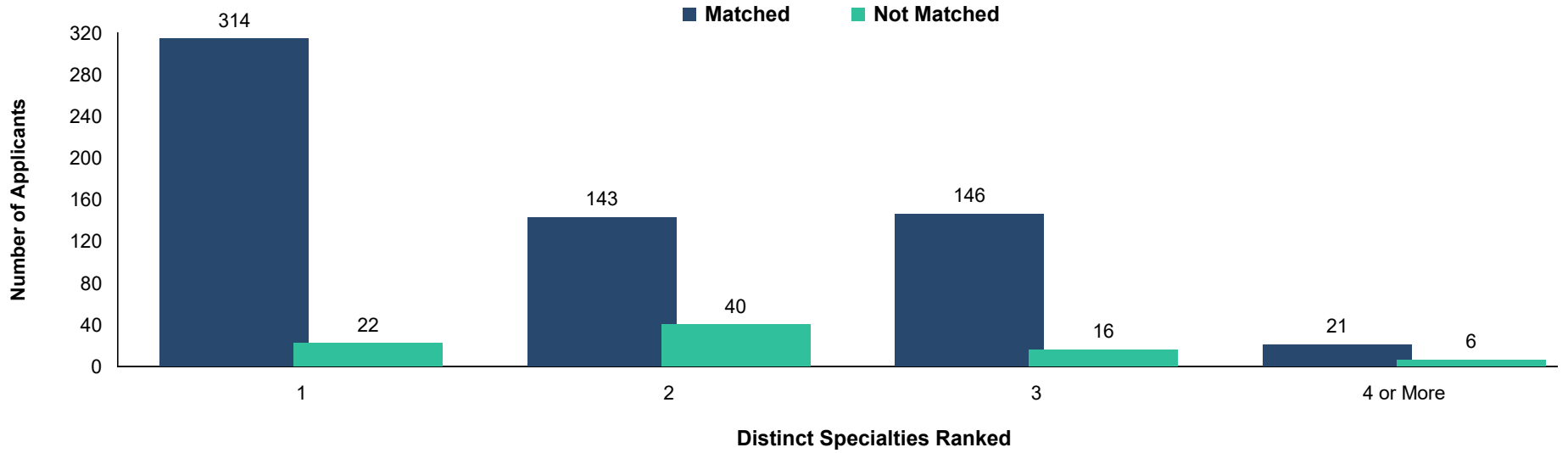
Note: Only U.S. MD seniors who gave consent to use their information in research are included.

\*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>).

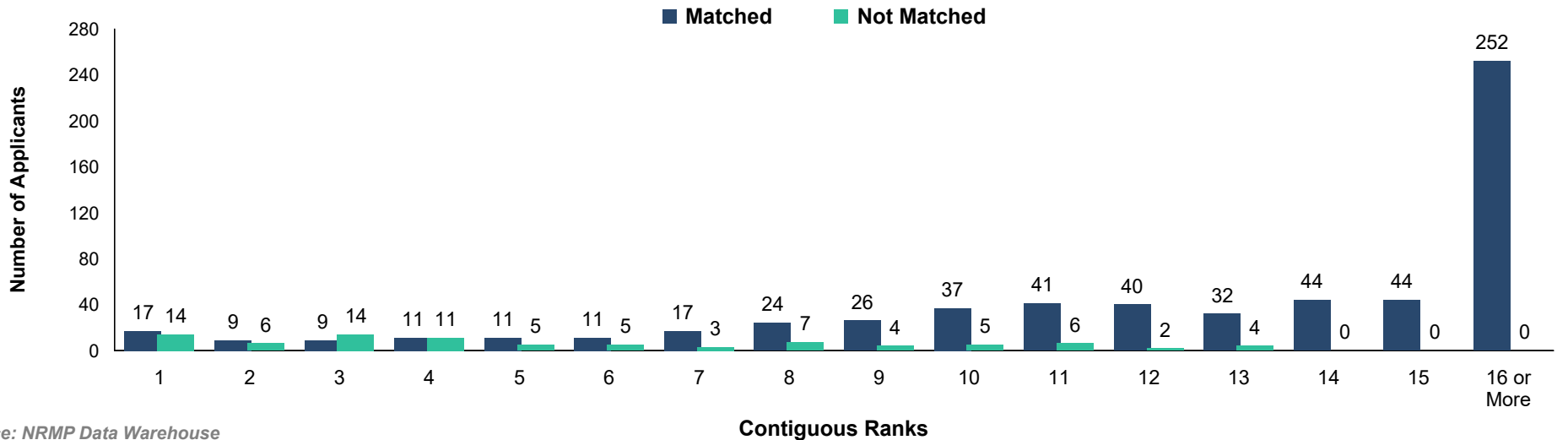
**Chart  
DR-1**

**Number of Distinct Specialties Ranked by U.S. MD Seniors**  
*Diagnostic Radiology*



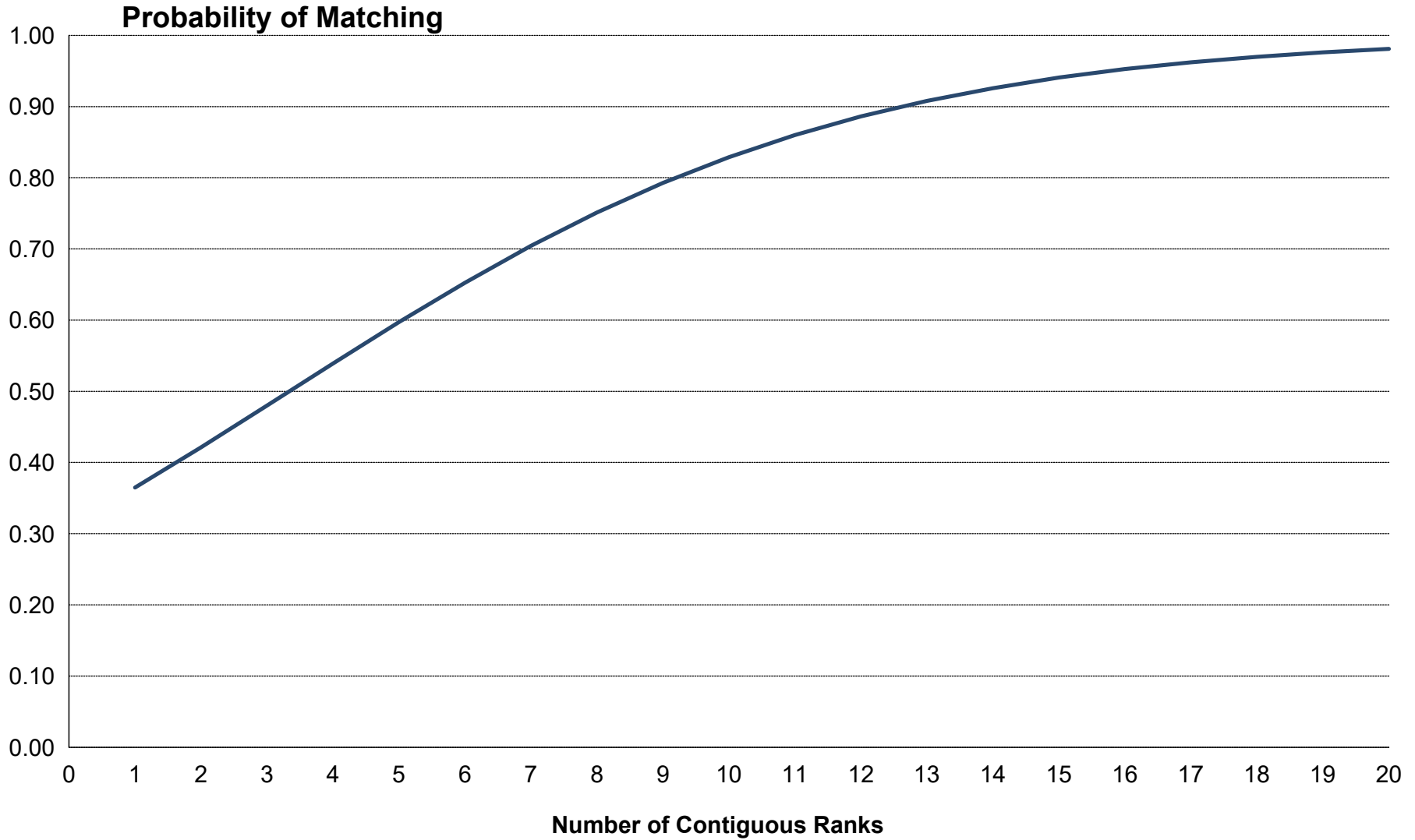
**Chart  
DR-2**

**Number of Contiguous Ranks of U.S. MD Seniors**  
*Diagnostic Radiology*



Source: NRMP Data Warehouse

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

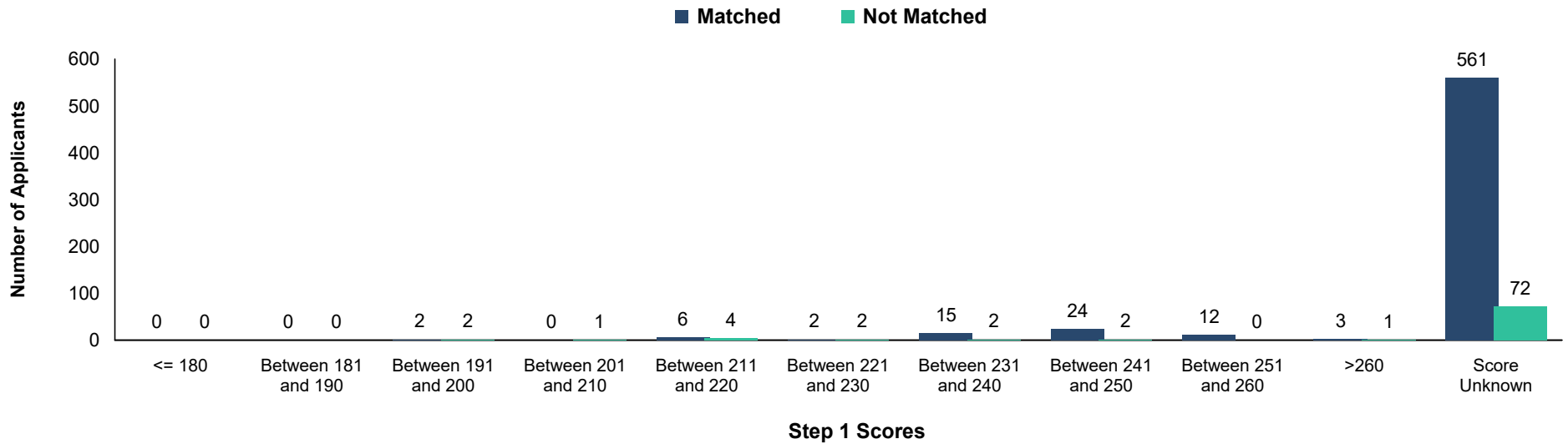


Source: NRMP Data Warehouse. Note: Probabilities calculated based on 2022-2024 applicants



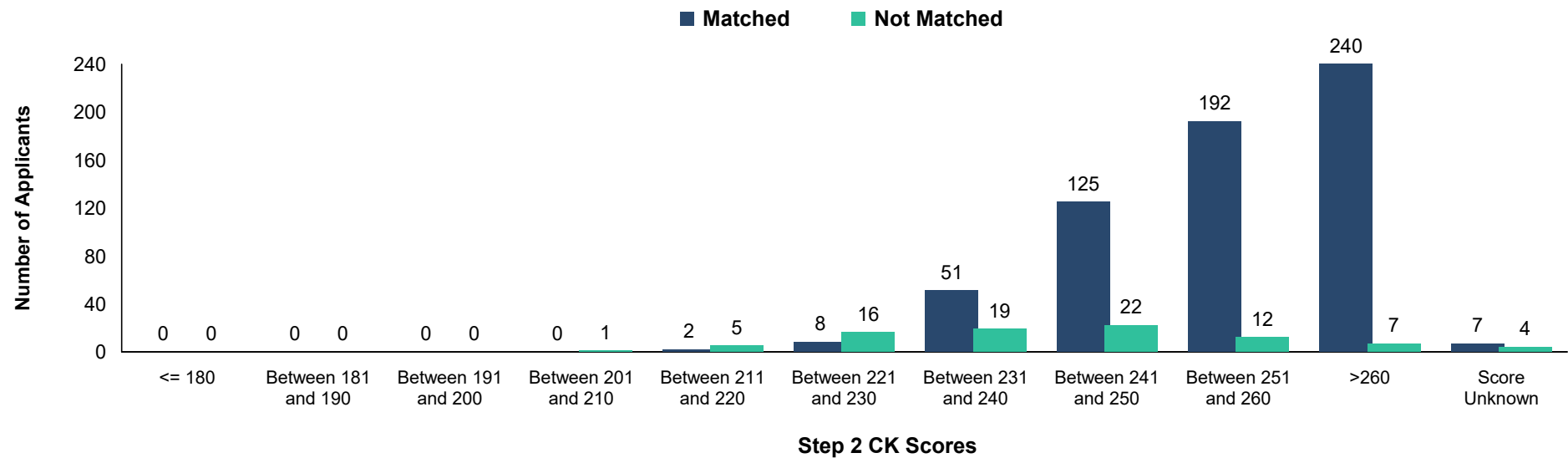
**Chart  
DR-3**

**USMLE Step 1 Scores of U.S. MD Seniors**  
*Diagnostic Radiology*



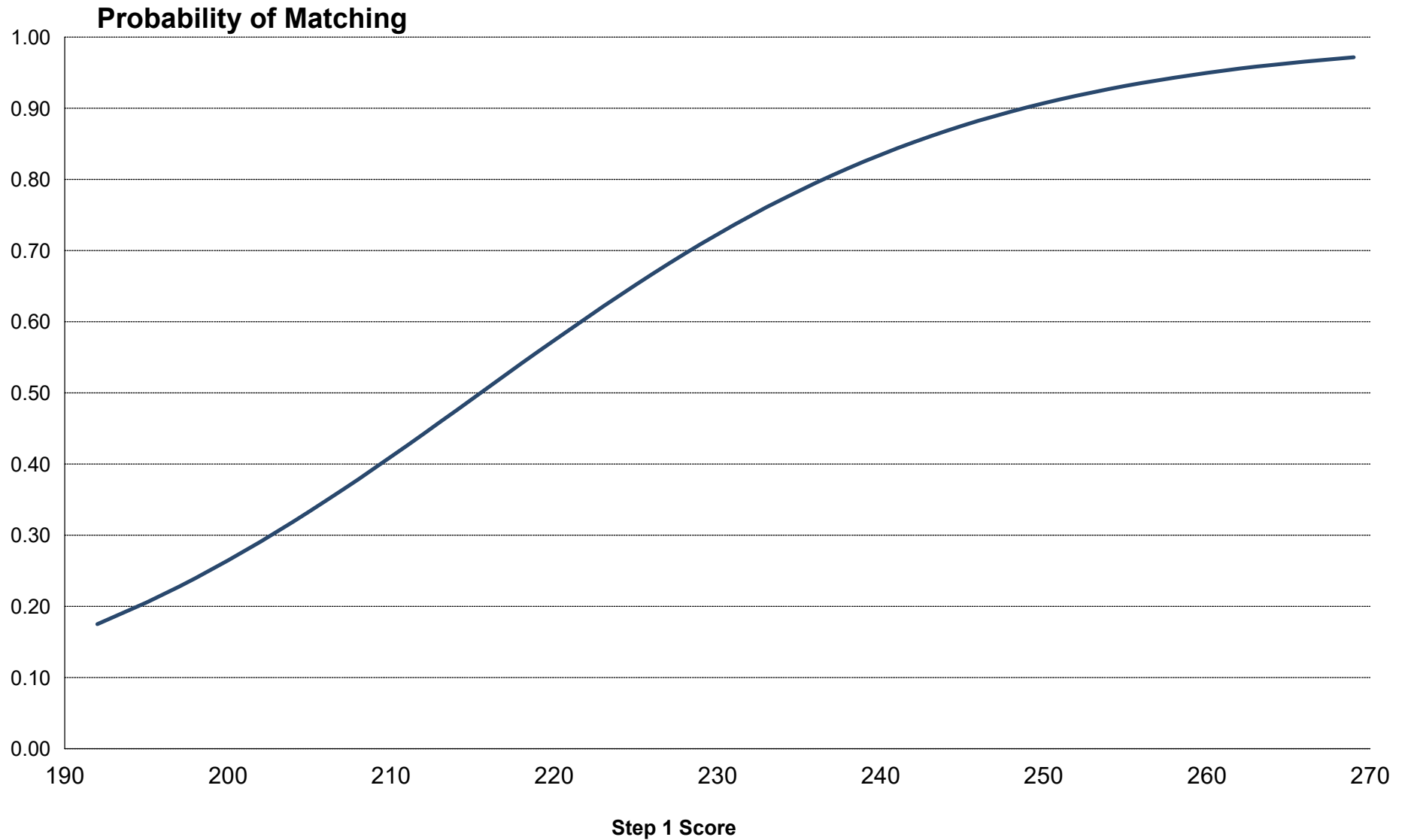
**Chart  
DR-4**

**USMLE Step 2 CK Scores of U.S. MD Seniors**  
*Diagnostic Radiology*



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

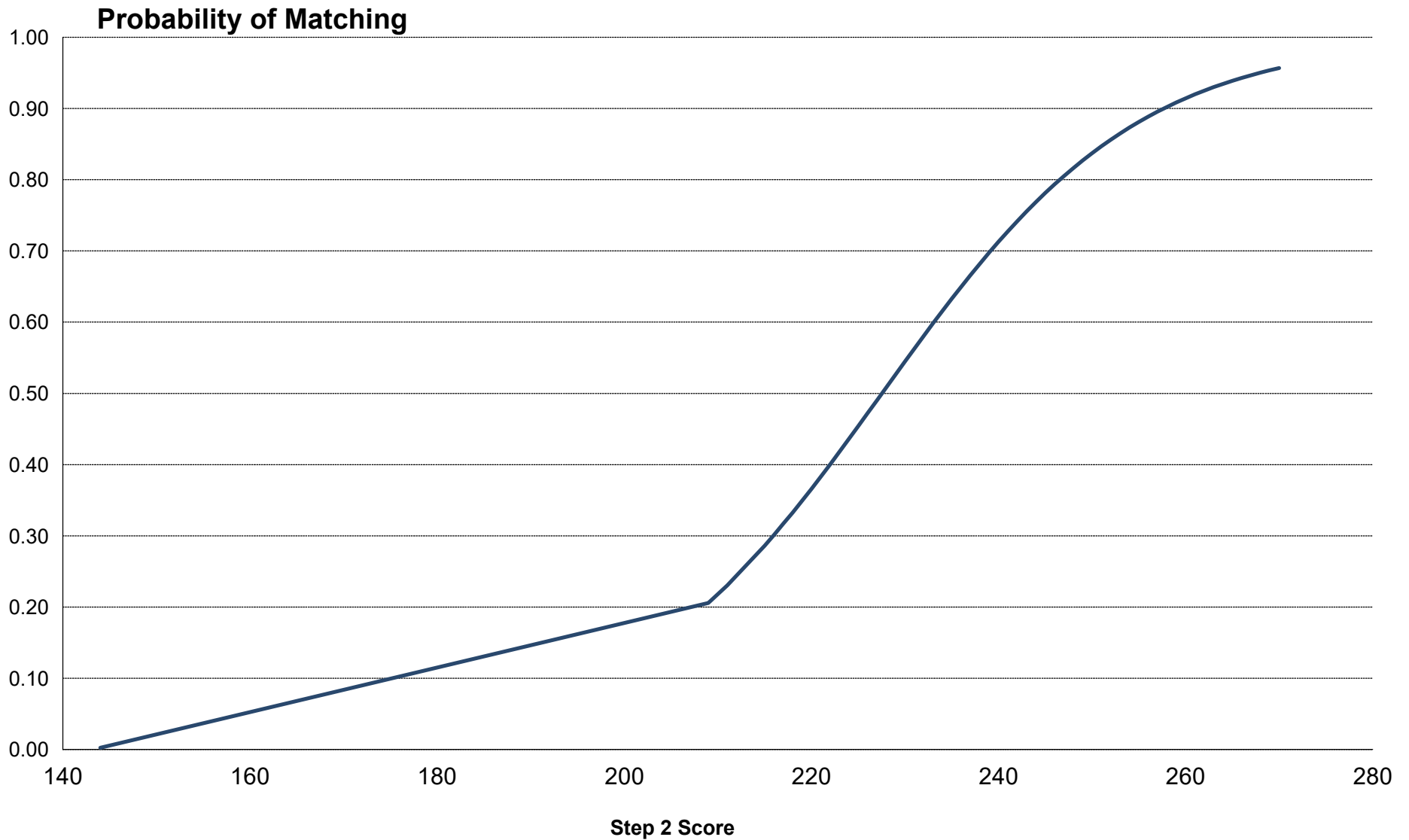
## *Diagnostic Radiology*



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

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

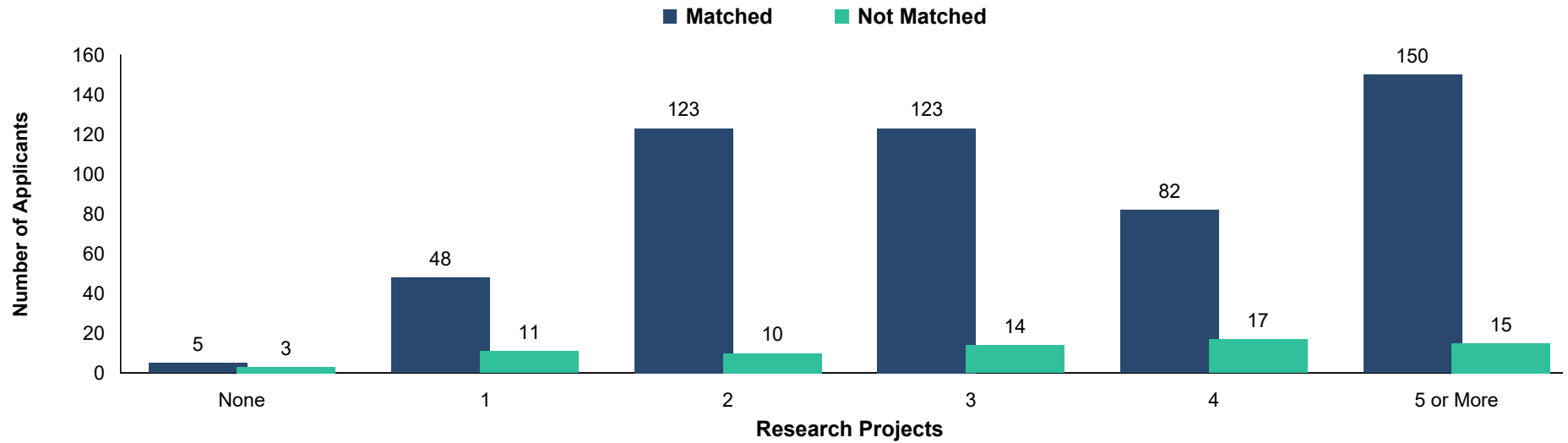
## *Diagnostic Radiology*



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

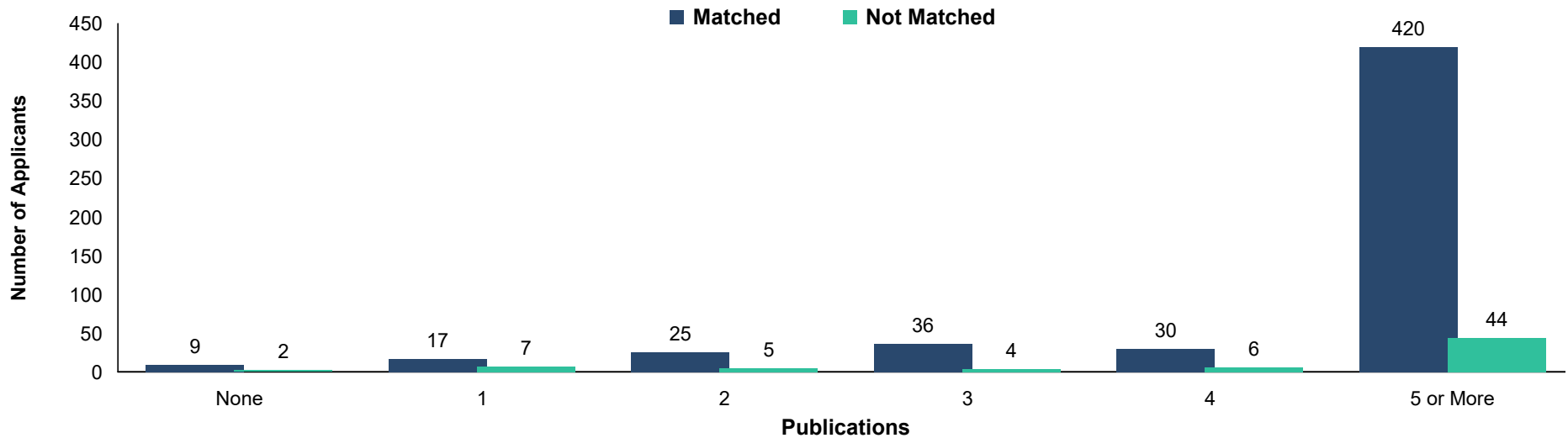
**Chart  
DR-5**

**Number of Research Projects of U.S. MD Seniors**  
*Diagnostic Radiology*



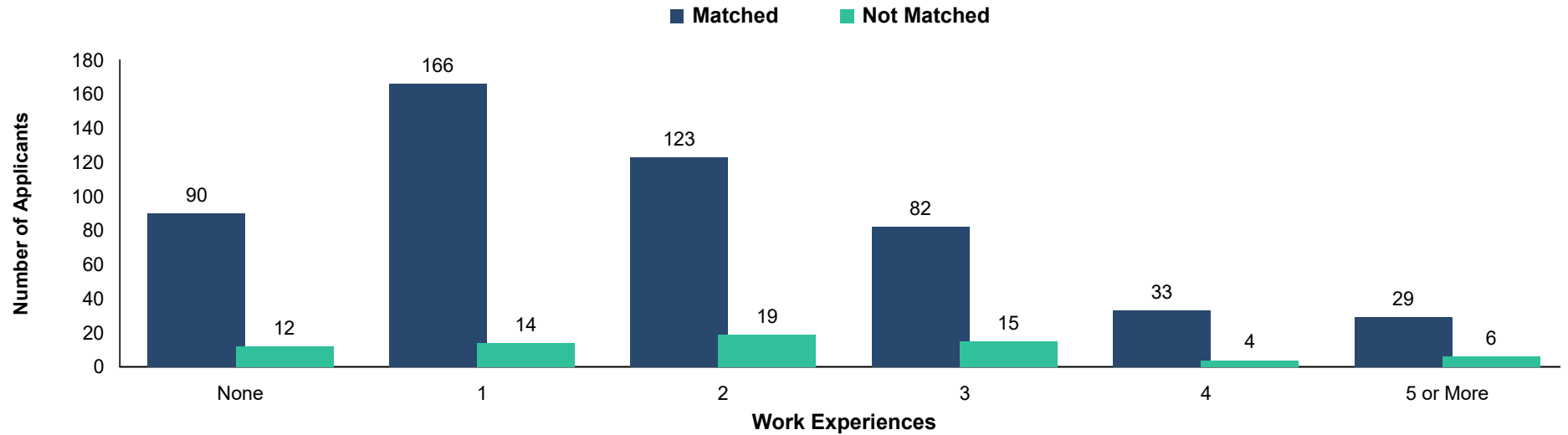
**Chart  
DR-6**

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

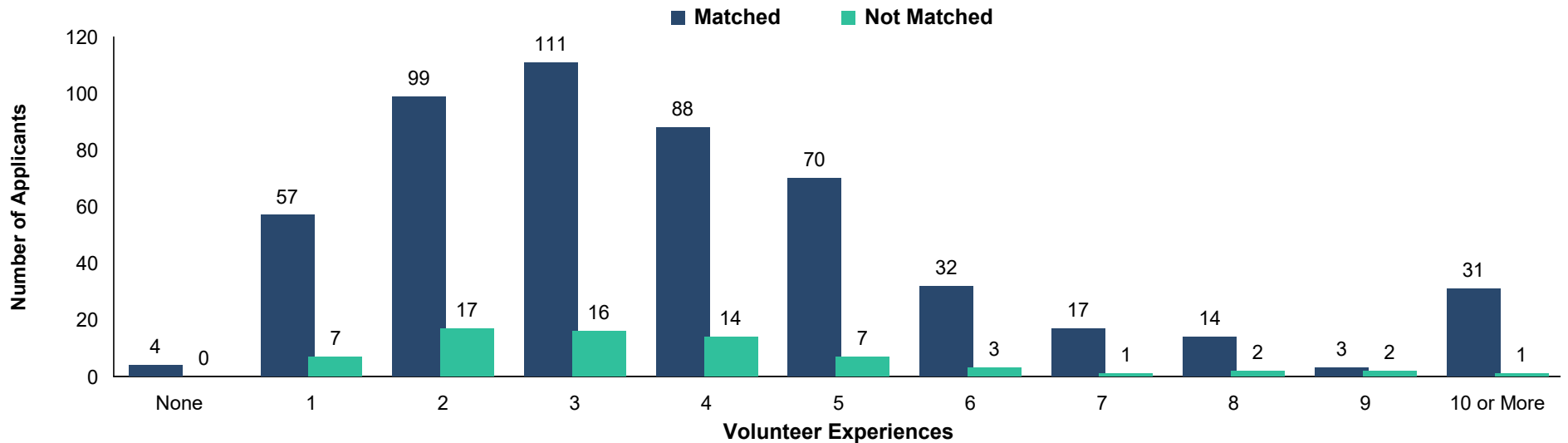


Source: NRMP Data Warehouse

**Chart DR-7** Number of Work Experiences of U.S. MD Seniors  
*Diagnostic Radiology*

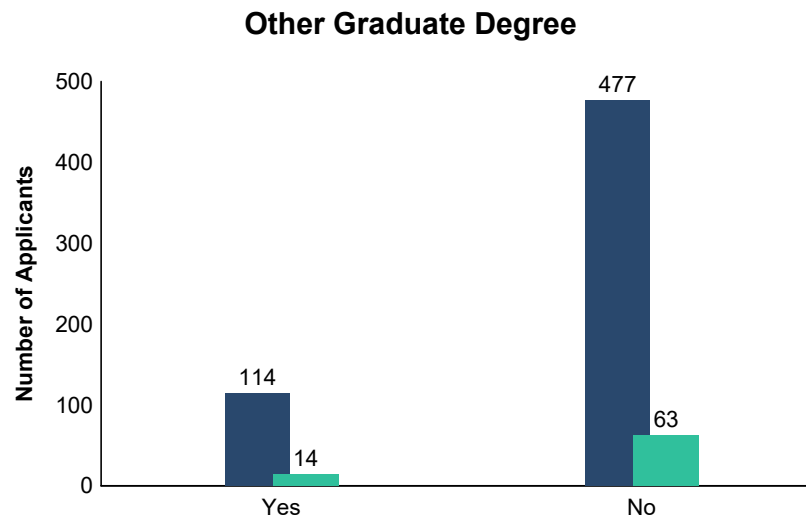
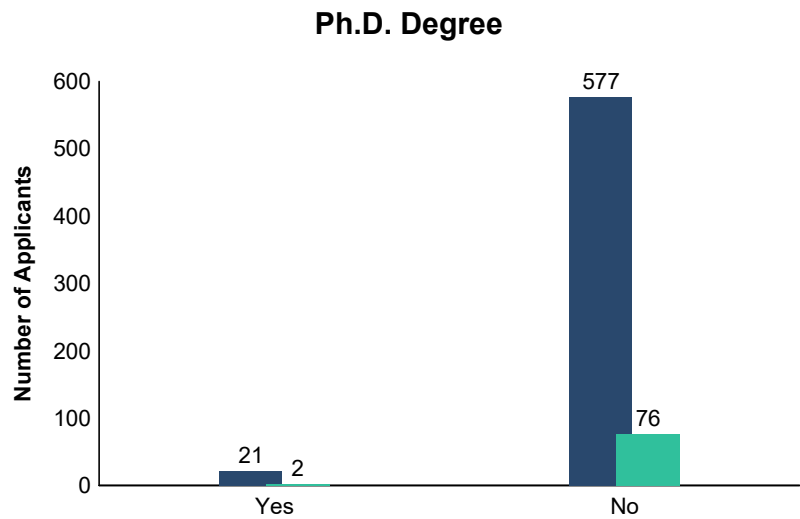
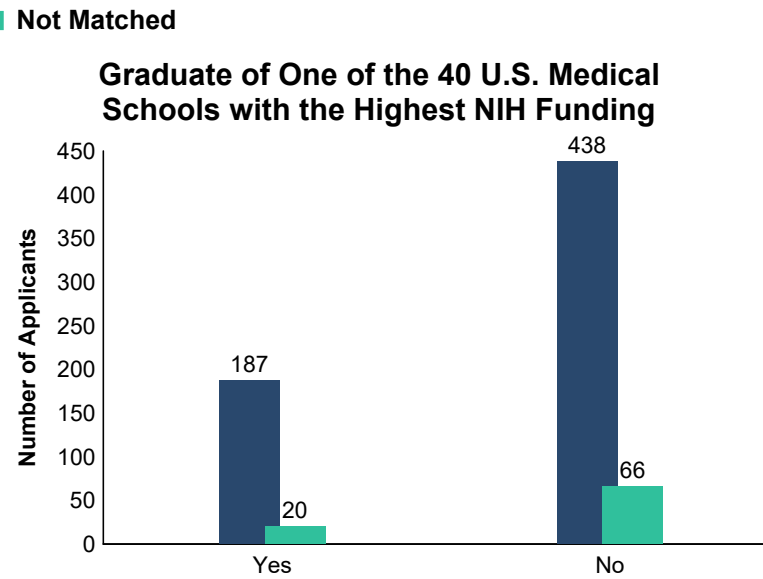
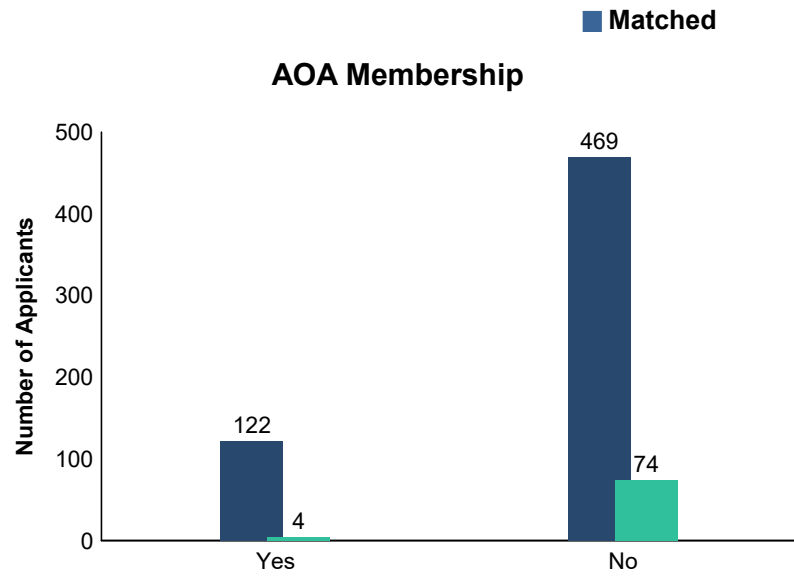


**Chart DR-8** Number of Volunteer Experiences of U.S. MD Seniors  
*Diagnostic Radiology*



Source: NRMP Data Warehouse

**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>

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**EM** **Emergency Medicine**

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

| Measure   | Matched<br>(n=1,027) | Unmatched<br>(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.

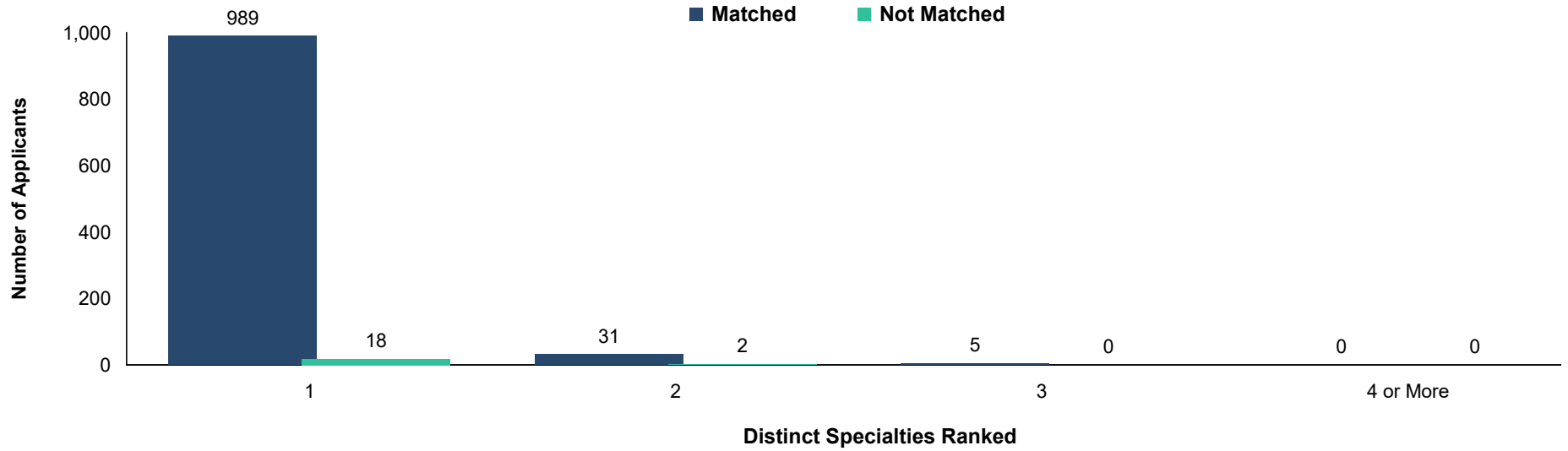
\*Only applicants who indicated completion of the USMLE Step 1 exam prior to the transition to pass/fail (i.e., prior to January 26, 2022) had the option to self-report their Step 1 numeric score. In 2024, only 2,143 U.S. MD seniors self-reported Step 1 numeric scores.

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>).



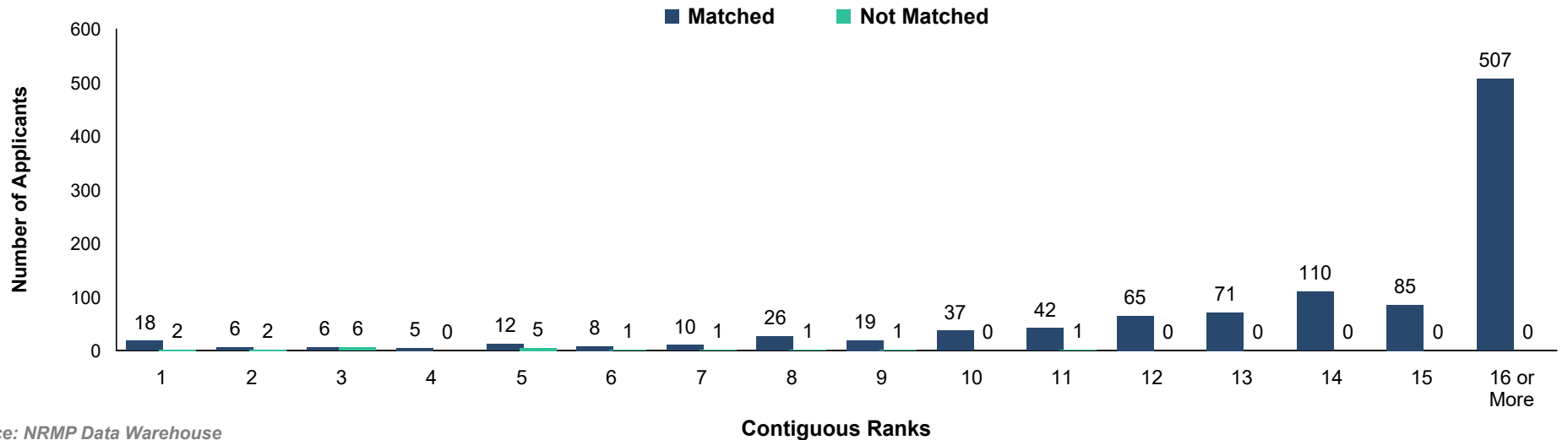
**Chart  
EM-1**

**Number of Distinct Specialties Ranked by U.S. MD Seniors  
*Emergency Medicine***



**Chart  
EM-2**

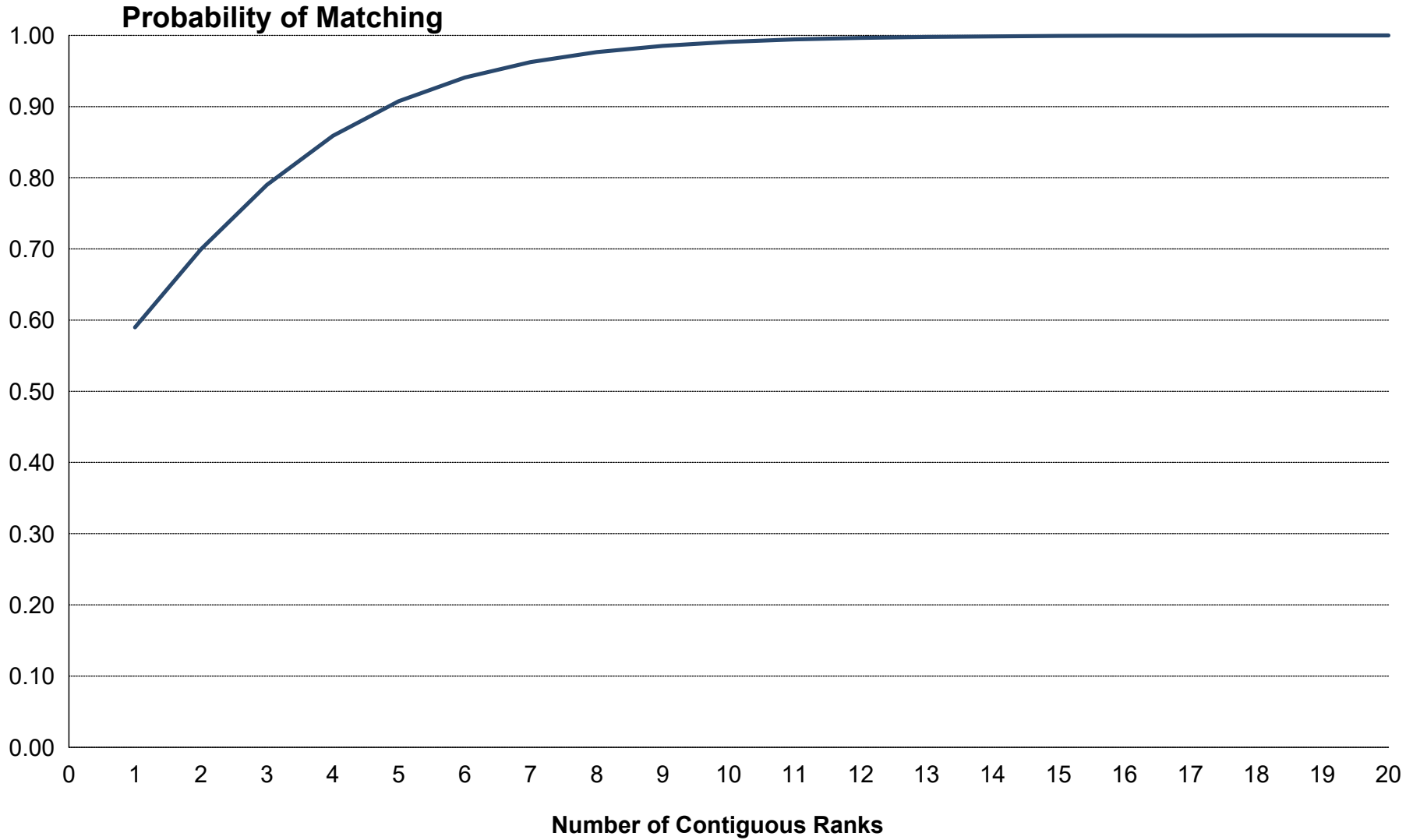
**Number of Contiguous Ranks of U.S. MD Seniors  
*Emergency Medicine***



Source: NRMP Data Warehouse

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

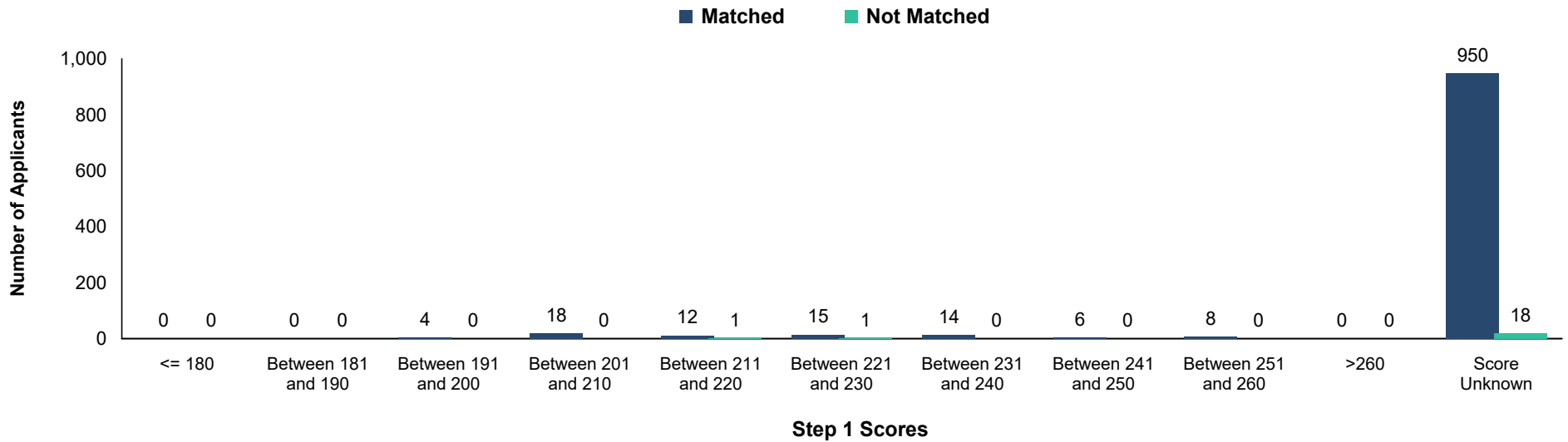
*Emergency Medicine*



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

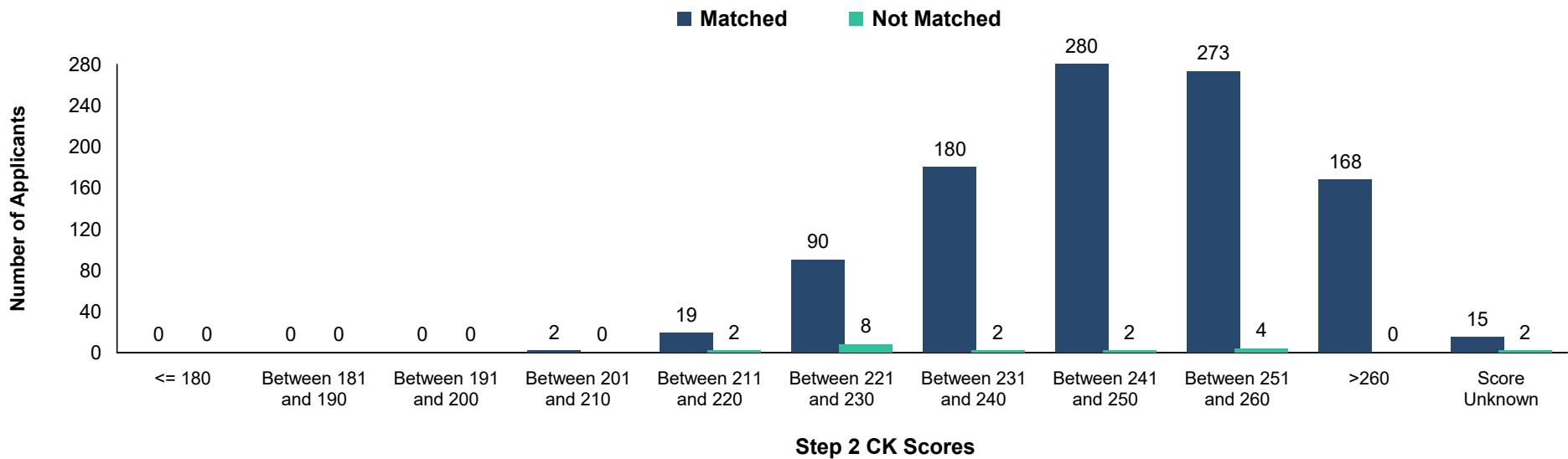
**Chart  
EM-3**

**USMLE Step 1 Scores of U.S. MD Seniors  
Emergency Medicine**



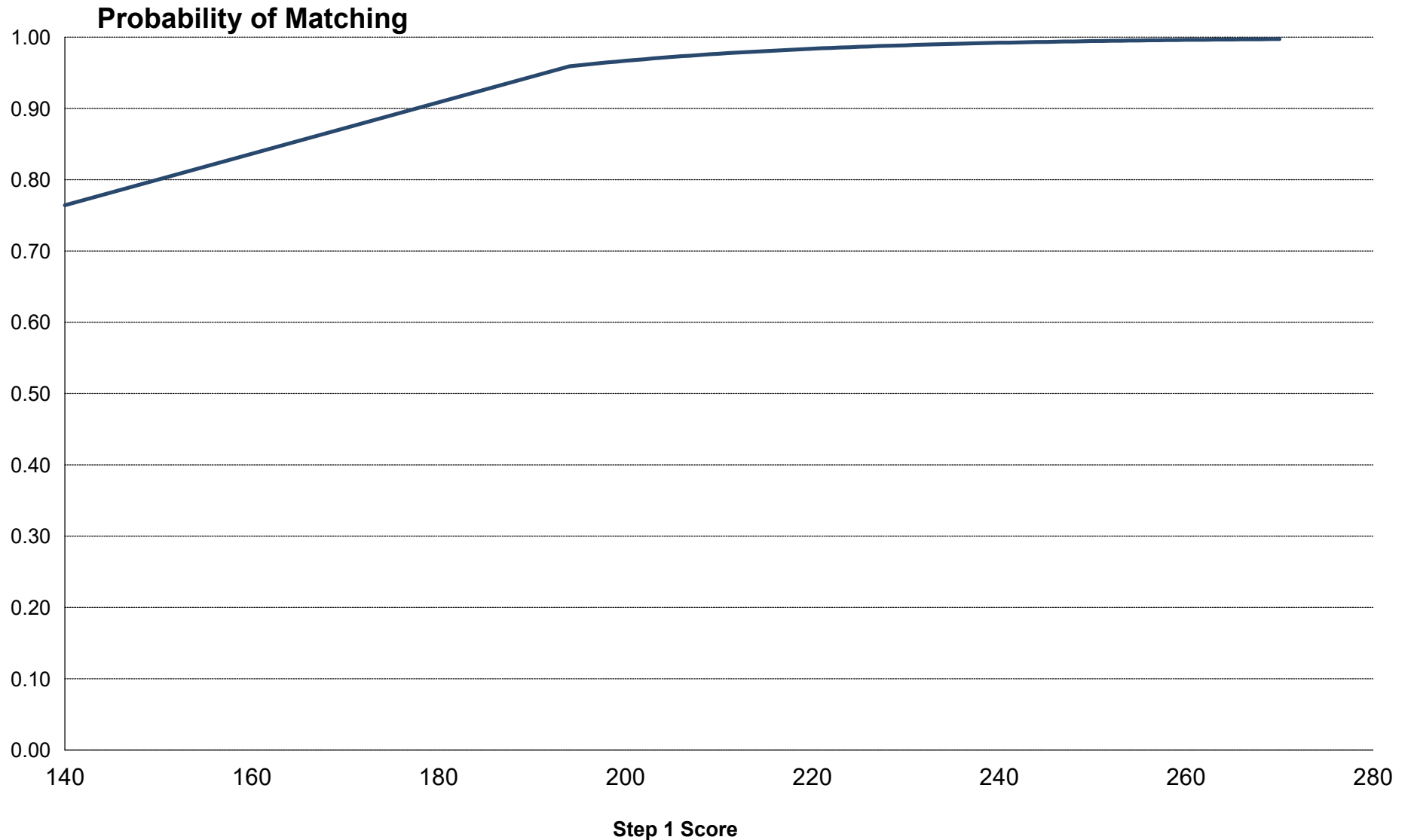
**Chart  
EM-4**

**USMLE Step 2 CK Scores of U.S. MD Seniors  
Emergency Medicine**



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

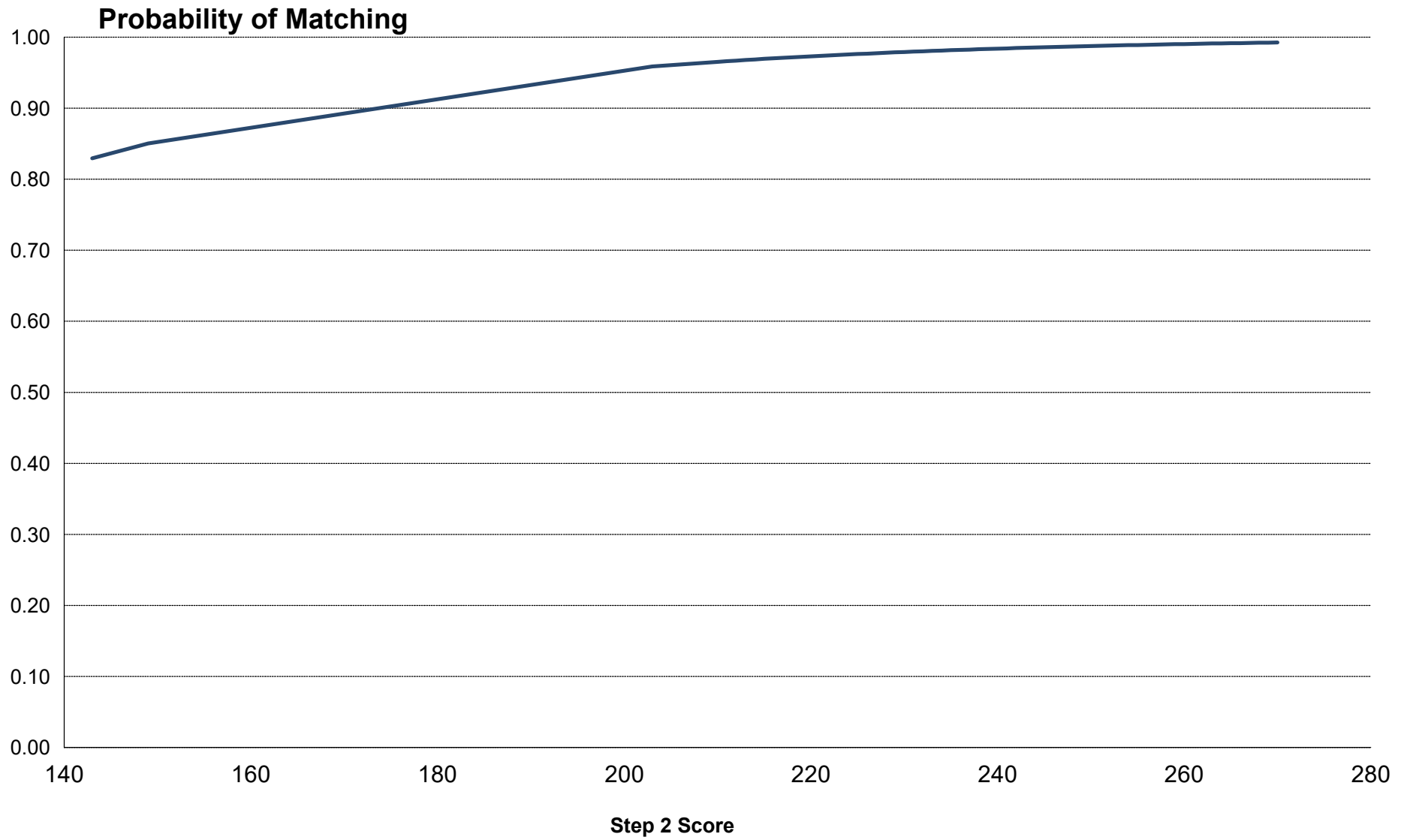
## Emergency Medicine



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

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

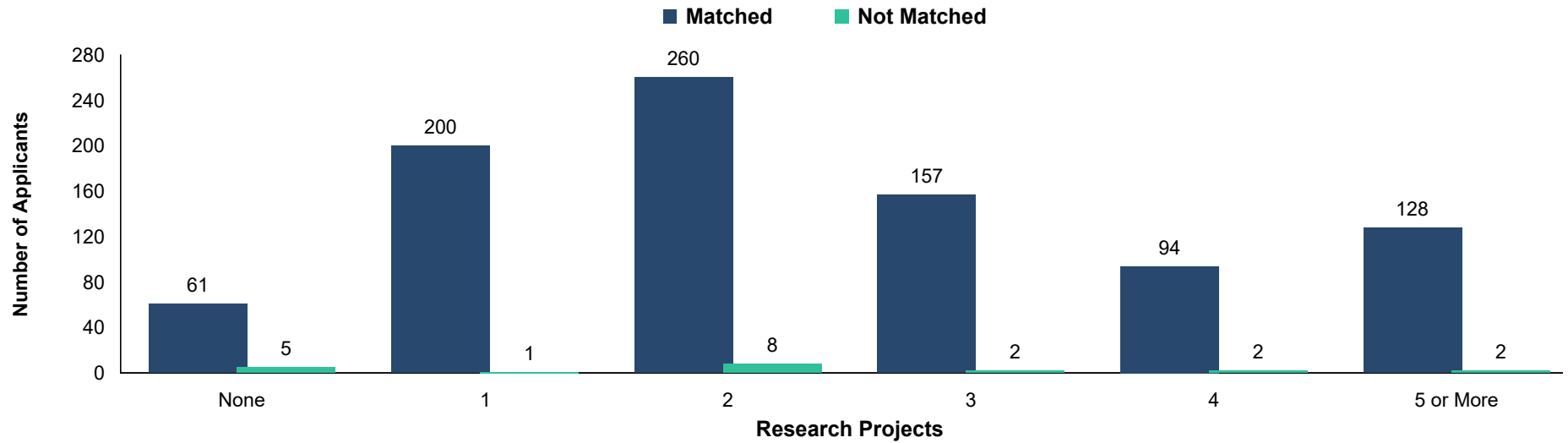
## *Emergency Medicine*



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

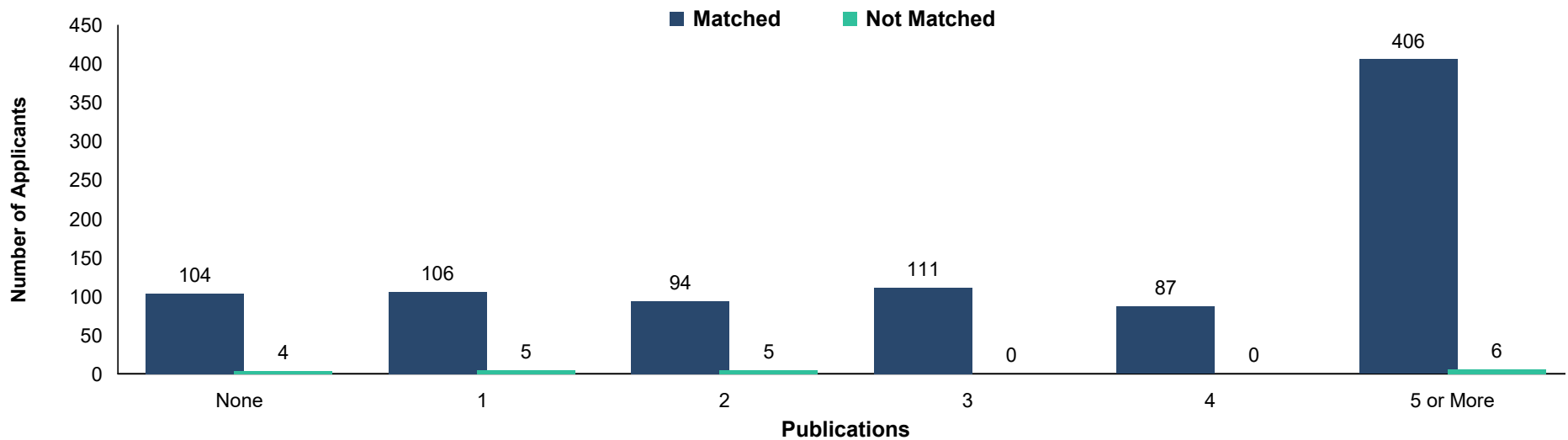
**Chart  
EM-5**

**Number of Research Projects of U.S. MD Seniors  
Emergency Medicine**



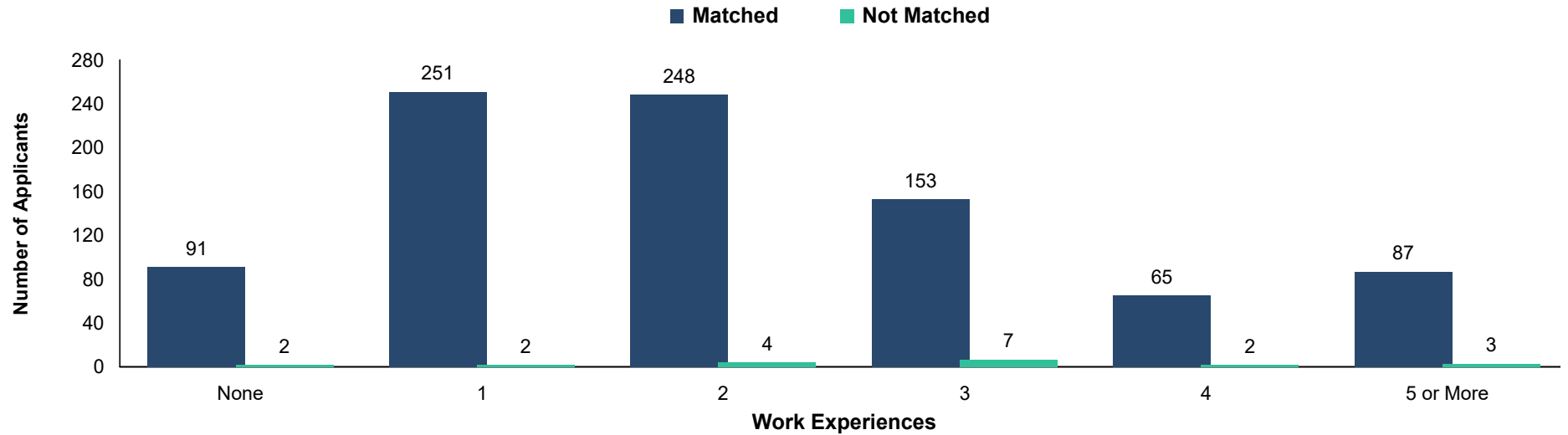
**Chart  
EM-6**

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

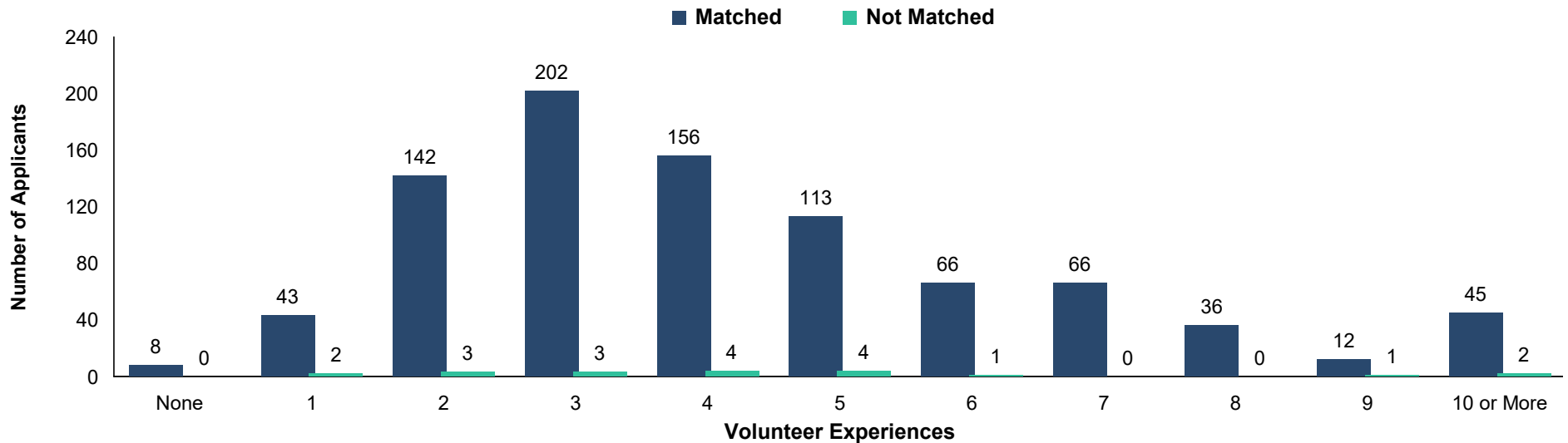


Source: NRMP Data Warehouse

**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*

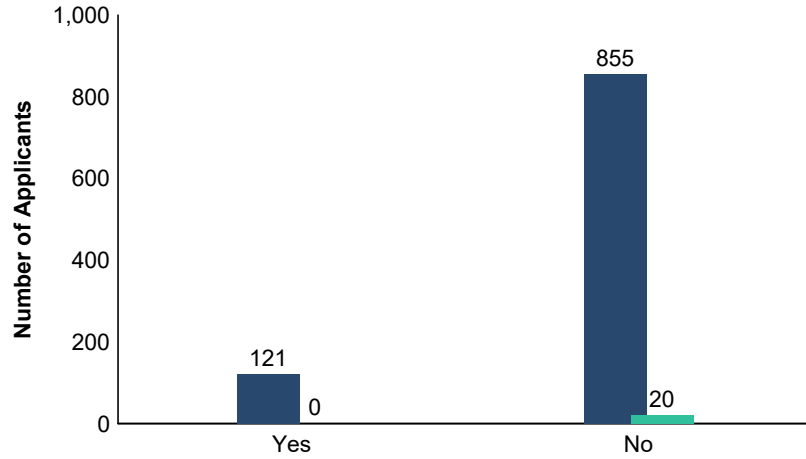


Source: NRMP Data Warehouse

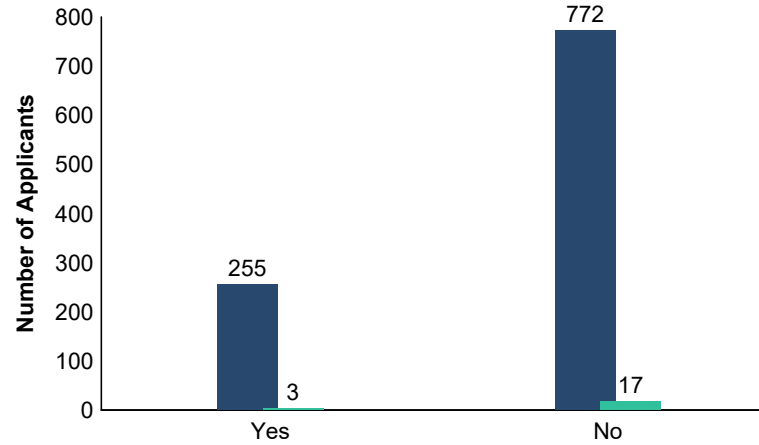
**Other Characteristics of U.S. MD Seniors**  
*Emergency Medicine*

■ Matched    ■ Not Matched

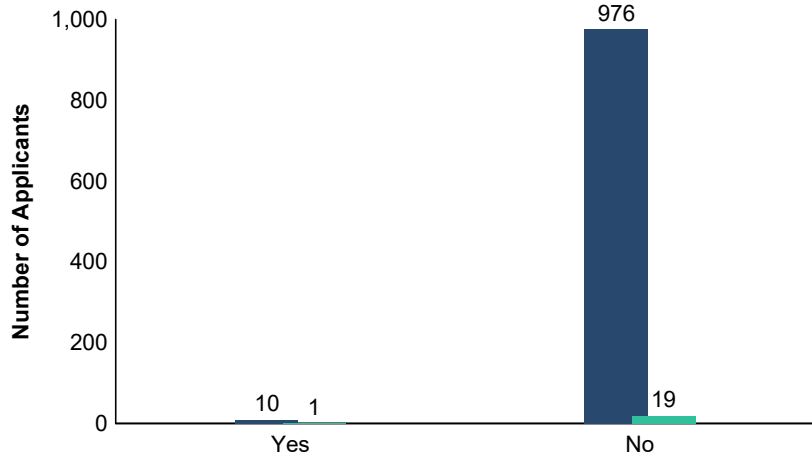
**AOA Membership**



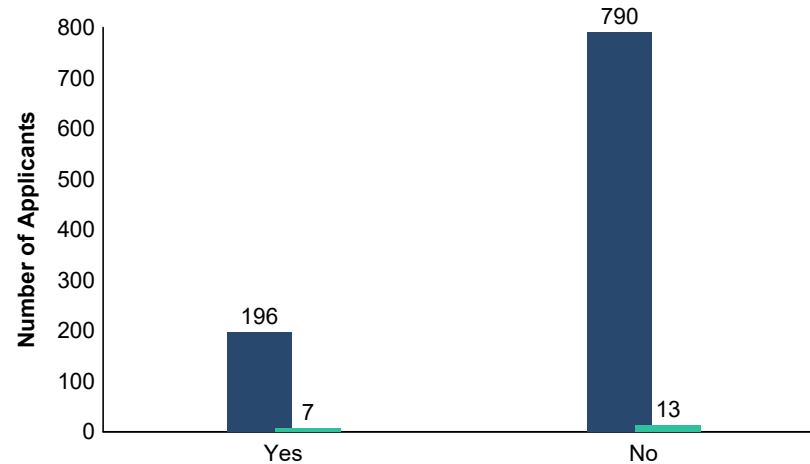
**Graduate of One of the 40 U.S. Medical Schools with the Highest NIH Funding**



**Ph.D. Degree**



**Other Graduate Degree**



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



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**FM** Family Medicine

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

| Measure   | Matched<br>(n=1,170) | Unmatched<br>(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                 |

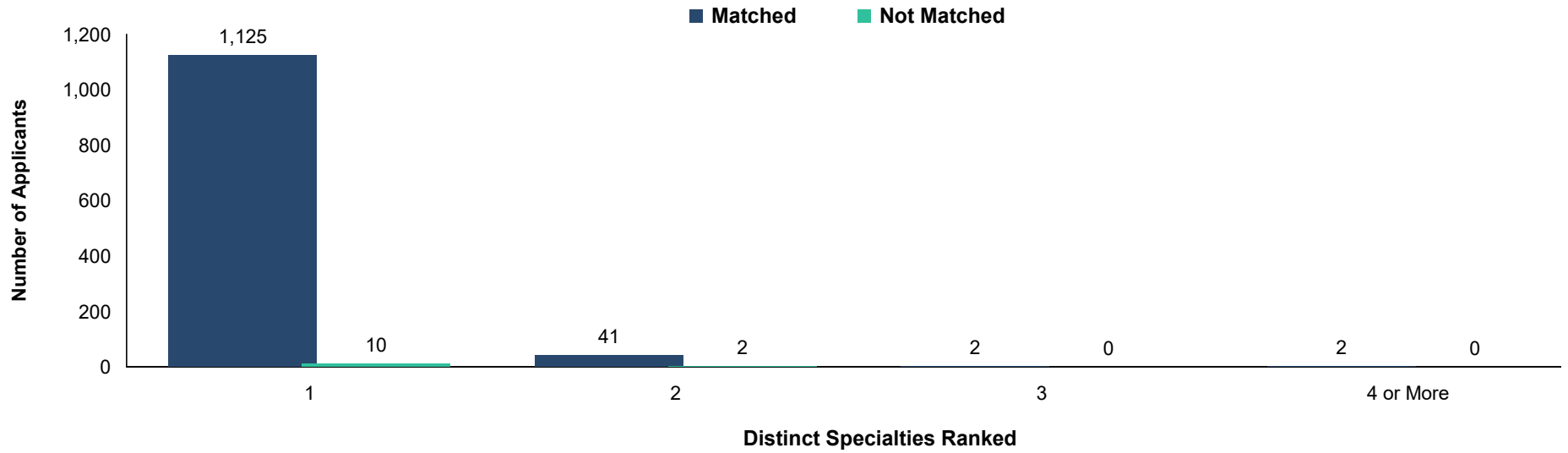
Note: Only U.S. MD seniors who gave consent to use their information in research are included.

\*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>).

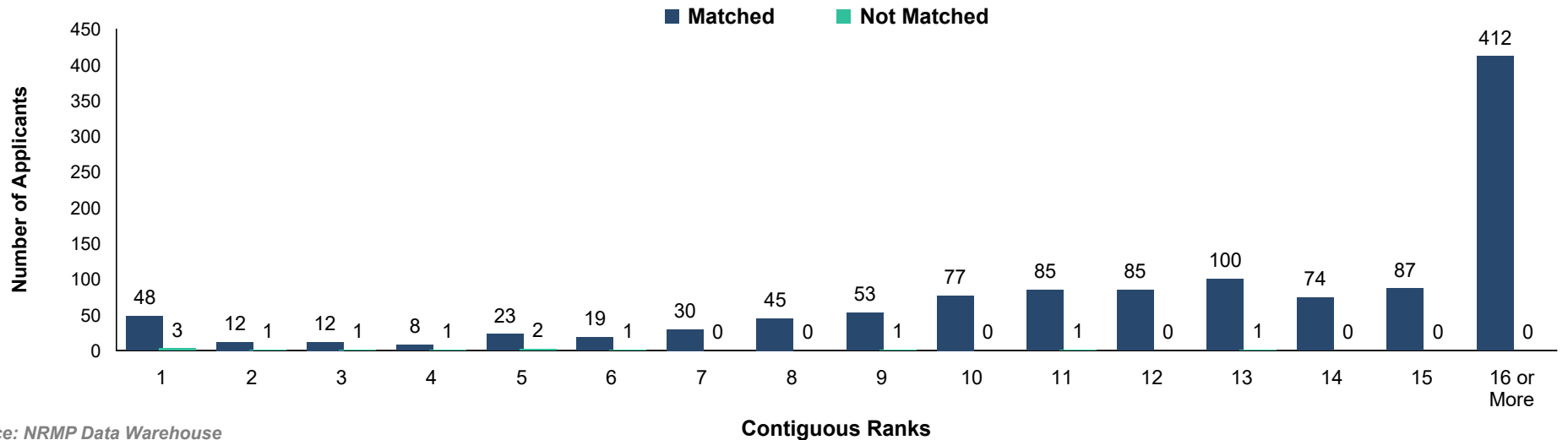
**Chart  
FM-1**

**Number of Distinct Specialties Ranked by U.S. MD Seniors  
Family Medicine**



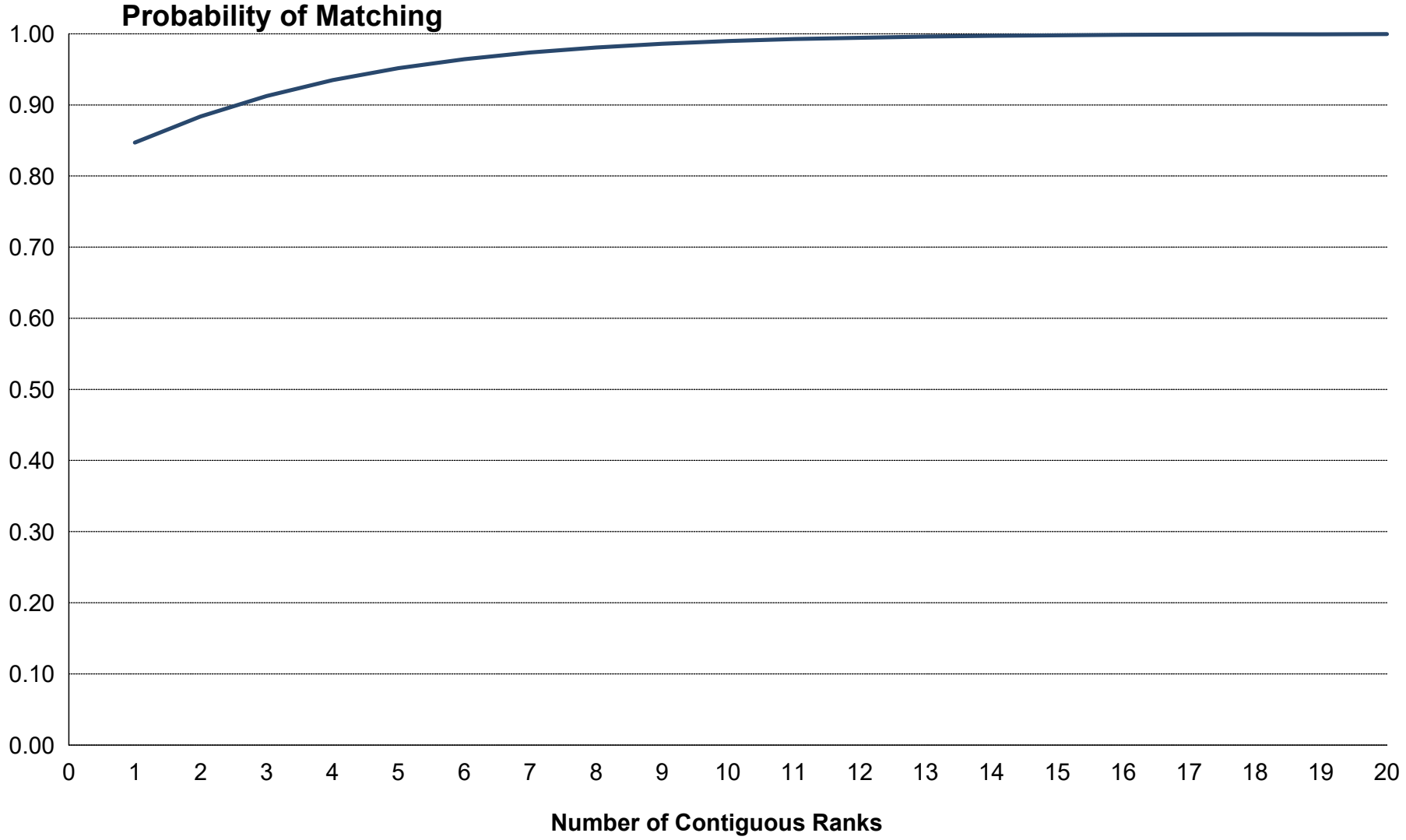
**Chart  
FM-2**

**Number of Contiguous Ranks of U.S. MD Seniors  
Family Medicine**



Source: NRMP Data Warehouse

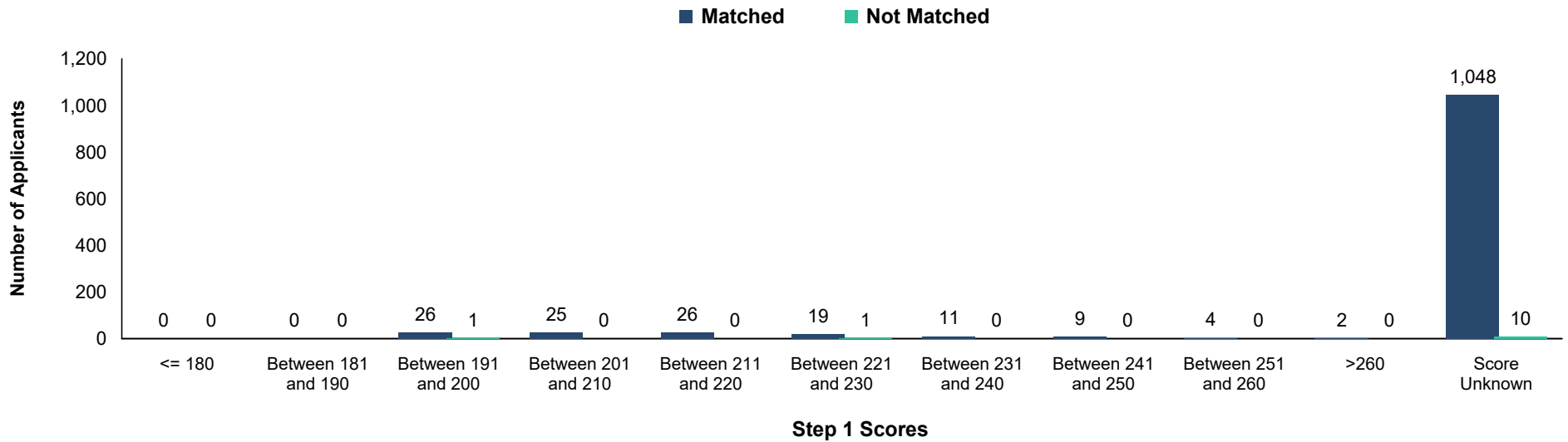
**Probability of U.S. MD Seniors Matching to Preferred Specialty by Number of Contiguous Ranks**  
*Family Medicine*



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

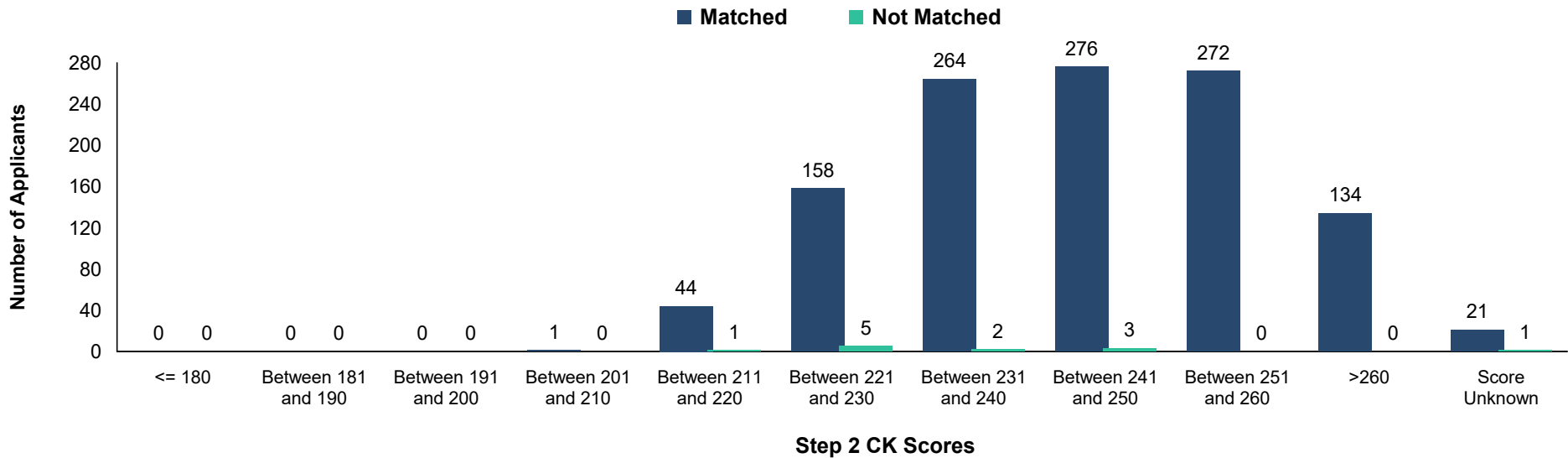
**Chart  
FM-3**

**USMLE Step 1 Scores of U.S. MD Seniors  
Family Medicine**



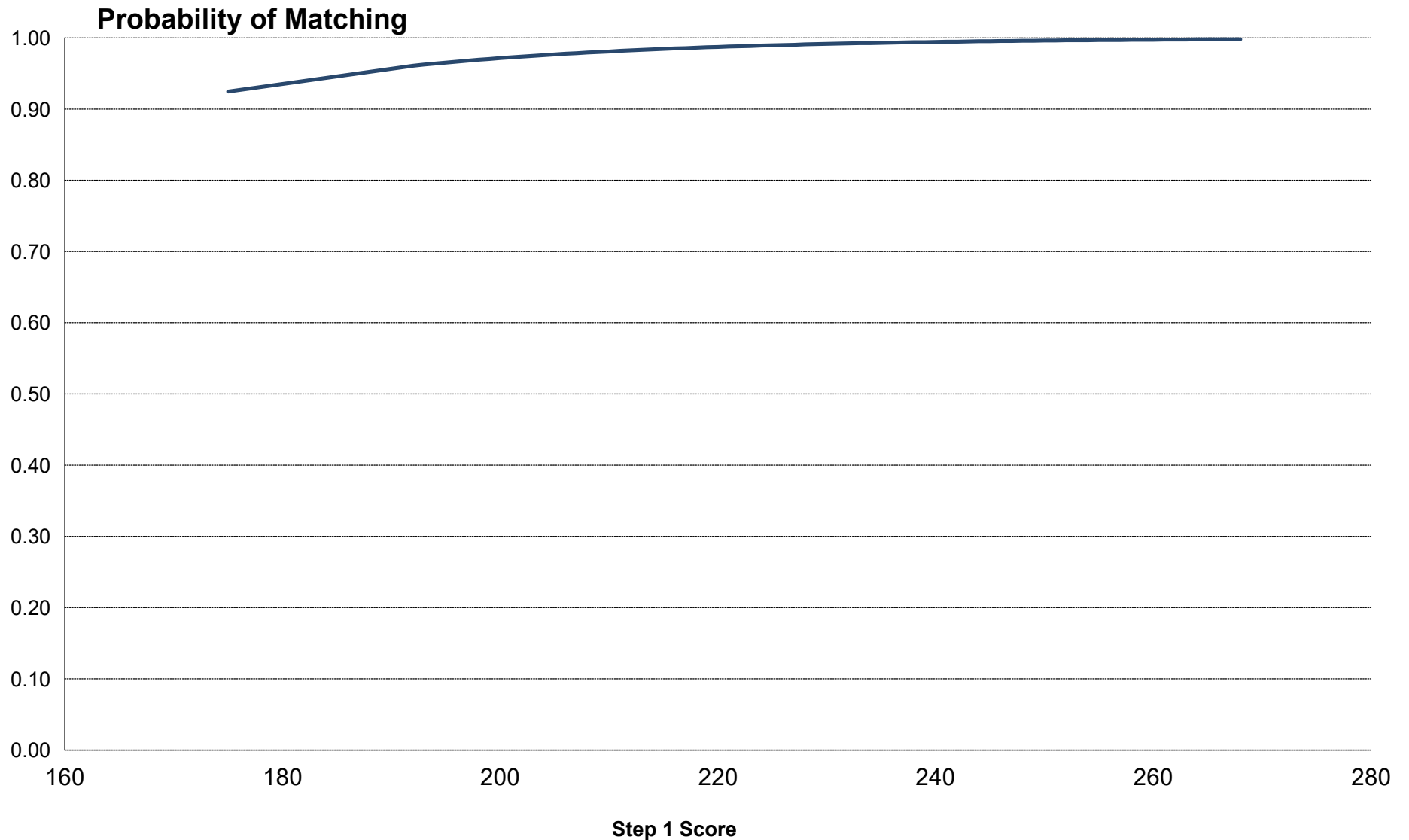
**Chart  
FM-4**

**USMLE Step 2 CK Scores of U.S. MD Seniors  
Family Medicine**



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

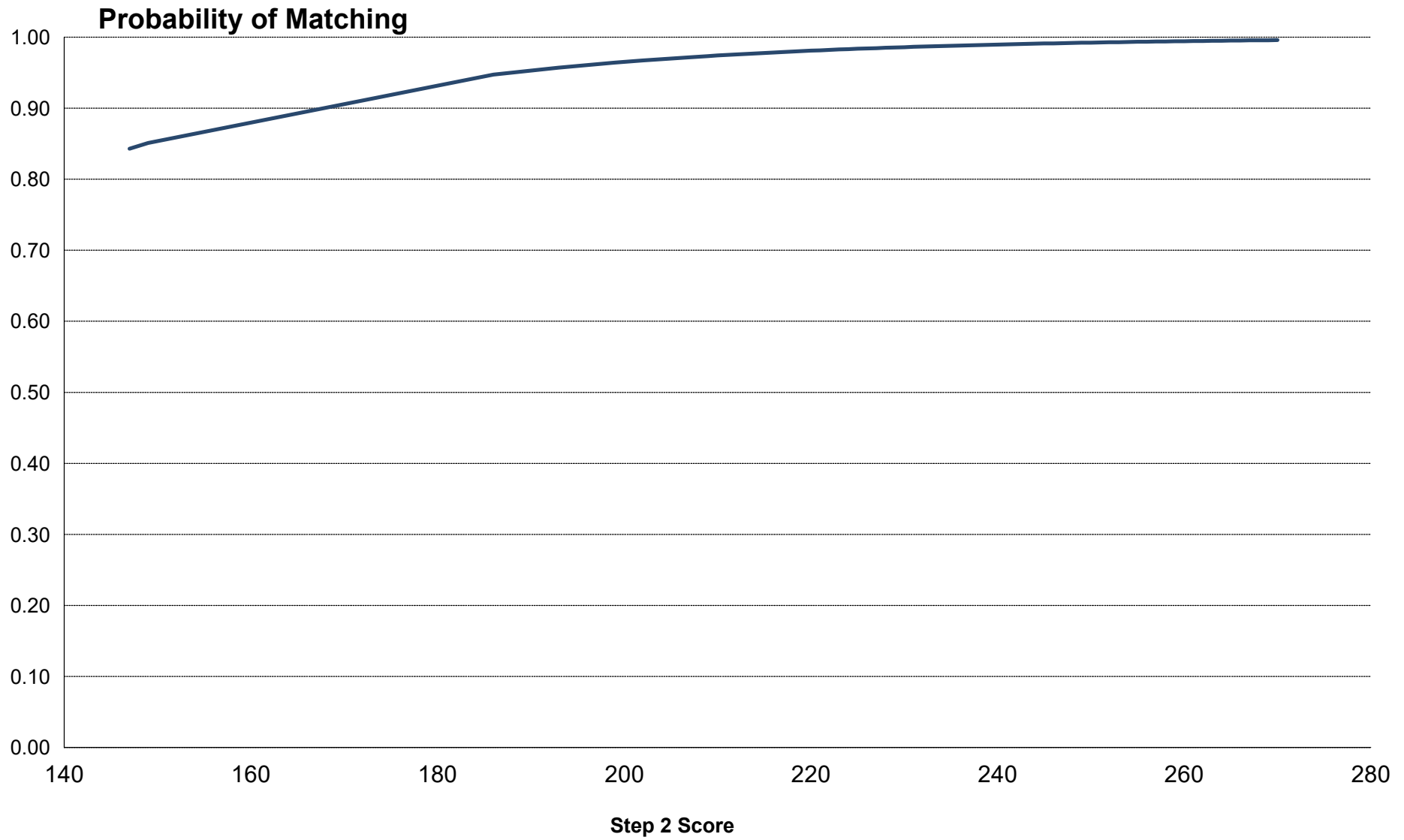
## Family Medicine



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

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

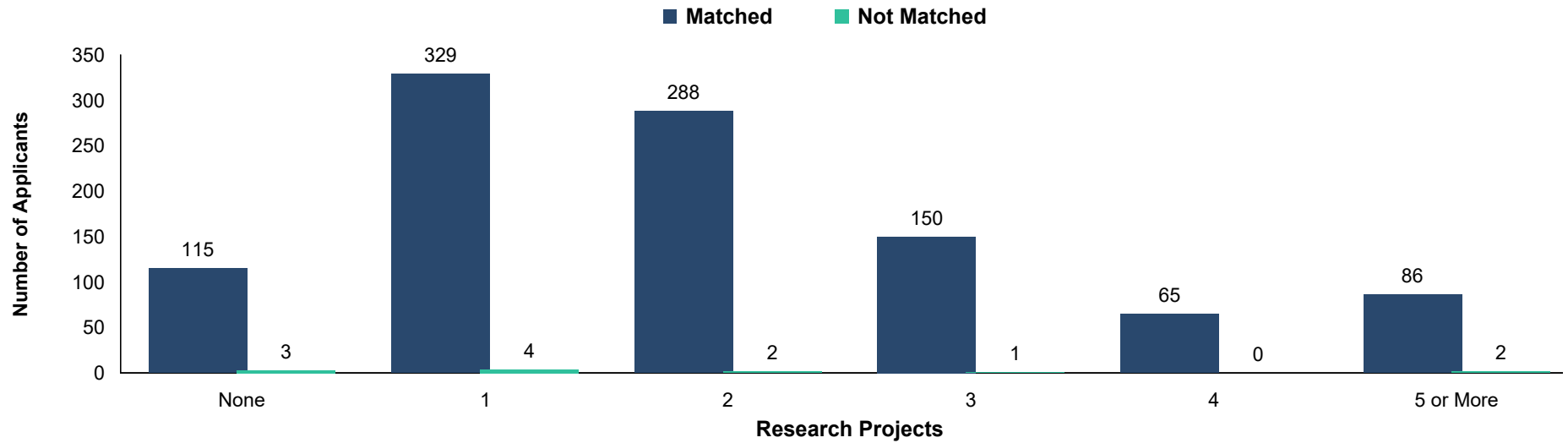
## Family Medicine



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

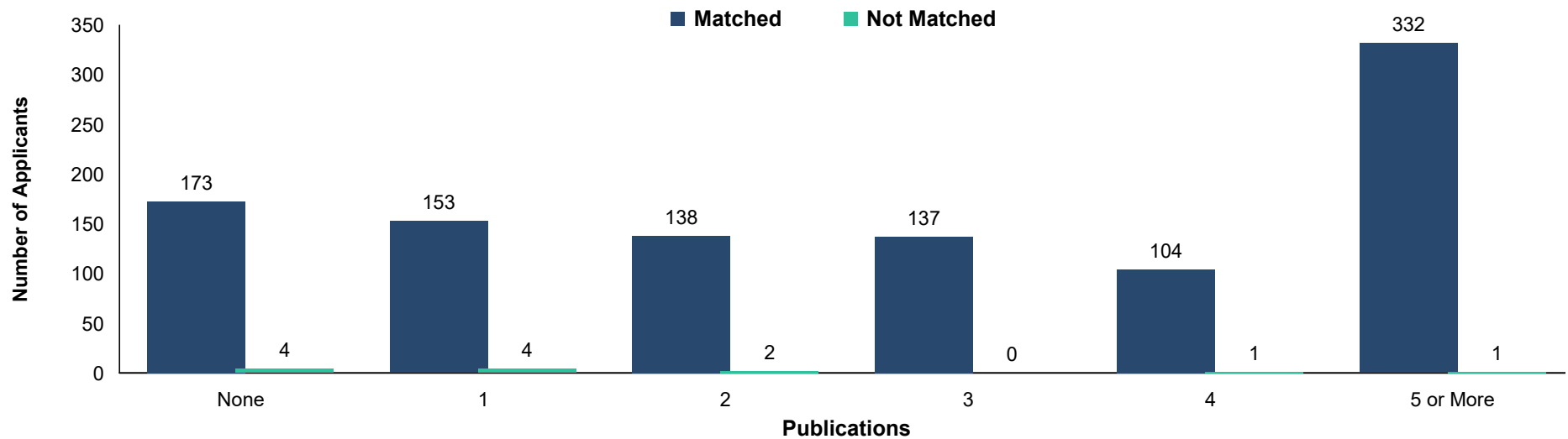
**Chart  
FM-5**

**Number of Research Projects of U.S. MD Seniors  
Family Medicine**



**Chart  
FM-6**

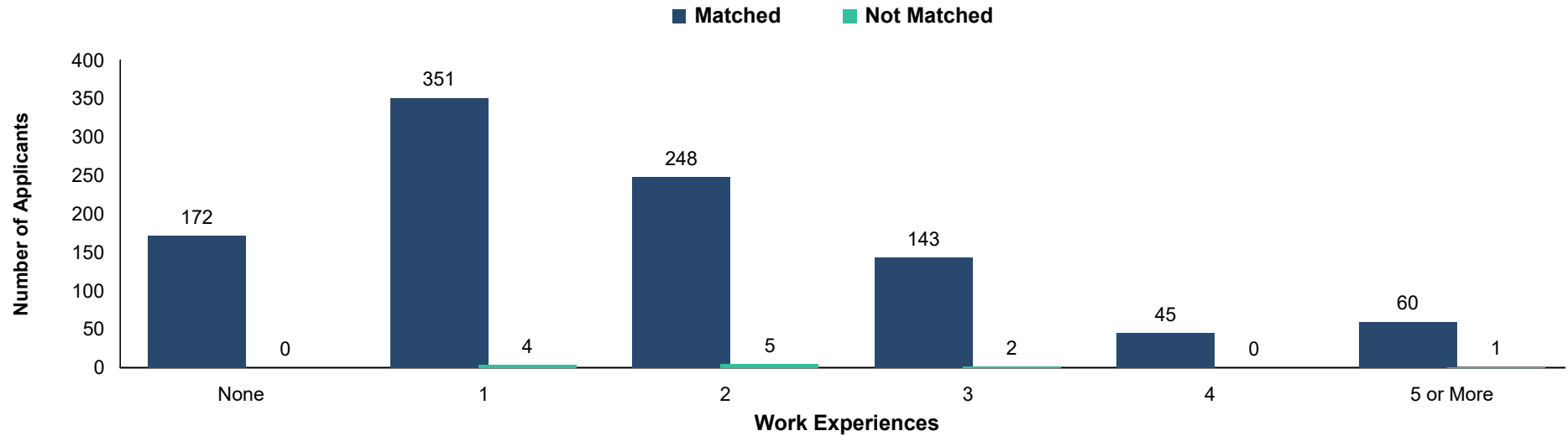
**Number of Abstracts, Presentations, and Publications of U.S. MD Seniors  
Family Medicine**



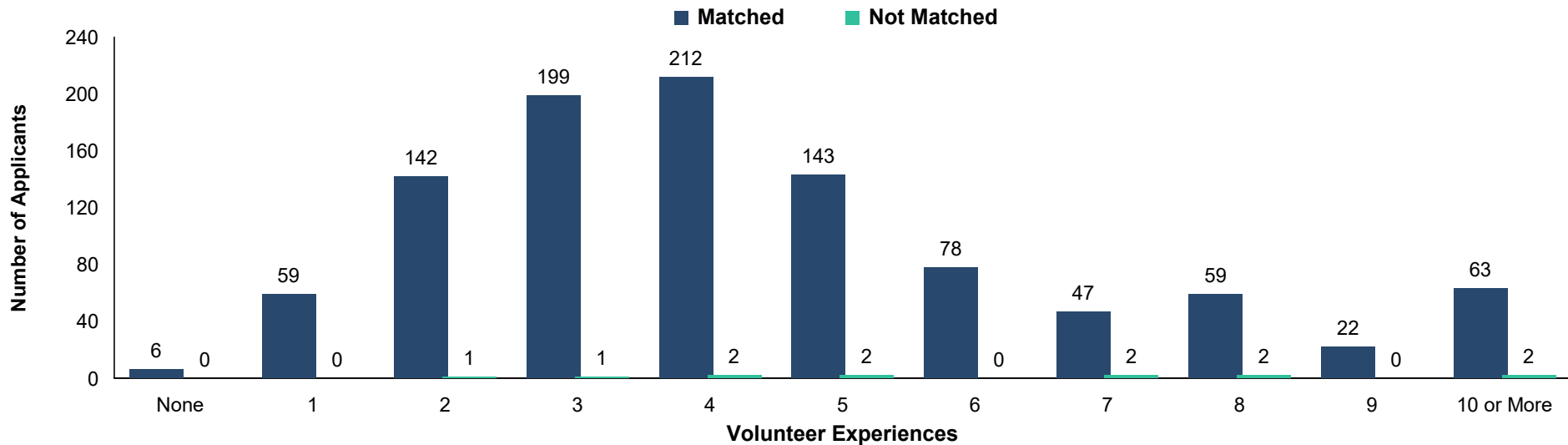
Source: NRMP Data Warehouse



**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*

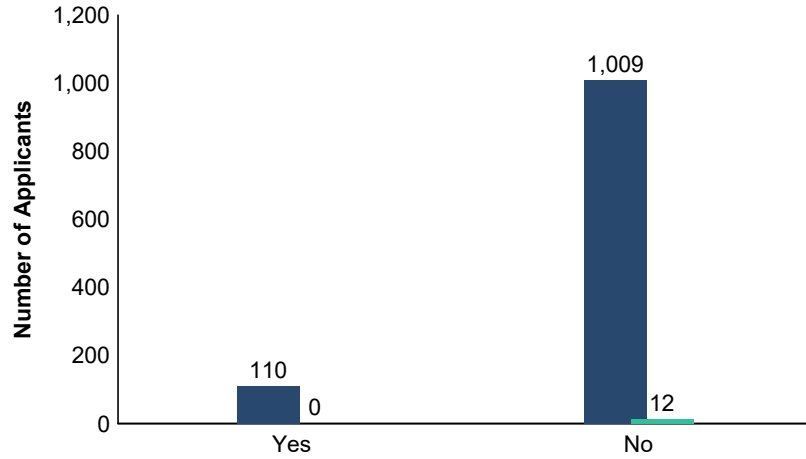


Source: NRMP Data Warehouse

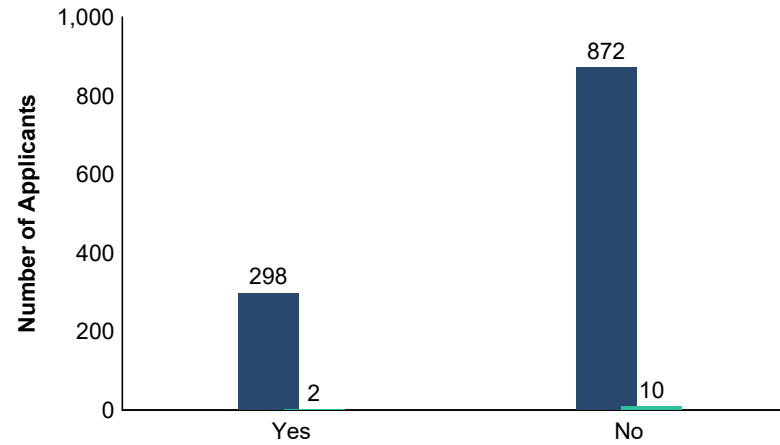
**Other Characteristics of U.S. MD Seniors  
Family Medicine**

**■ Matched ■ Not Matched**

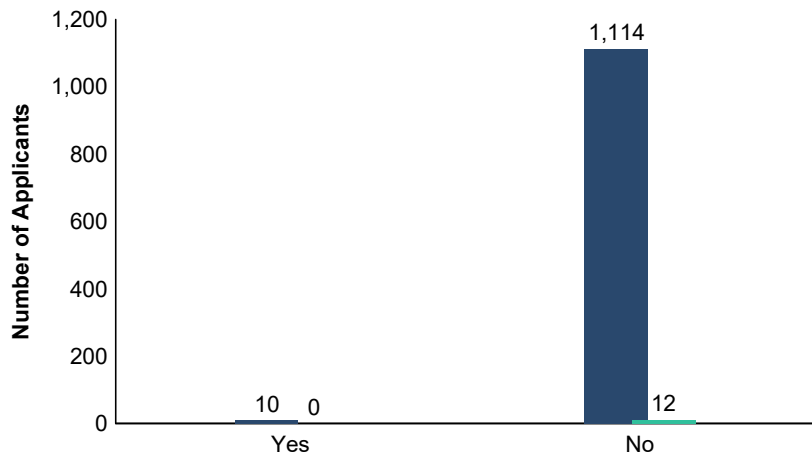
**AOA Membership**



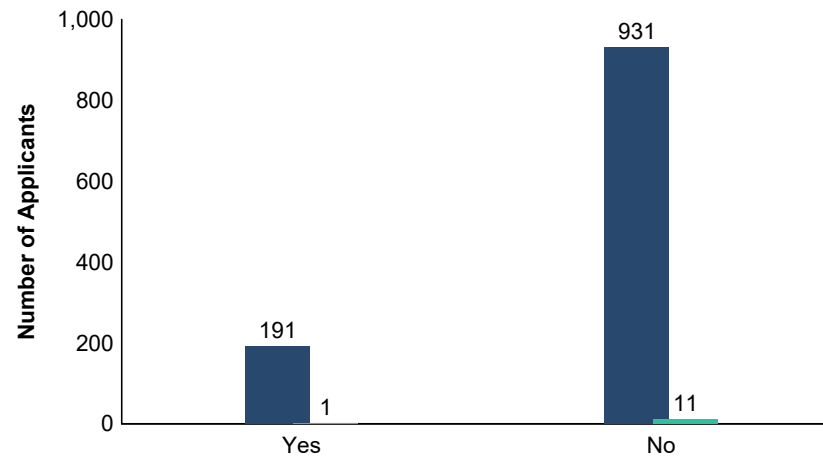
**Graduate of One of the 40 U.S. Medical Schools with the Highest NIH Funding**



**Ph.D. Degree**



**Other Graduate Degree**



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

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**GS** General Surgery

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

| Measure   | Matched<br>(n=858) | Unmatched<br>(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                 |

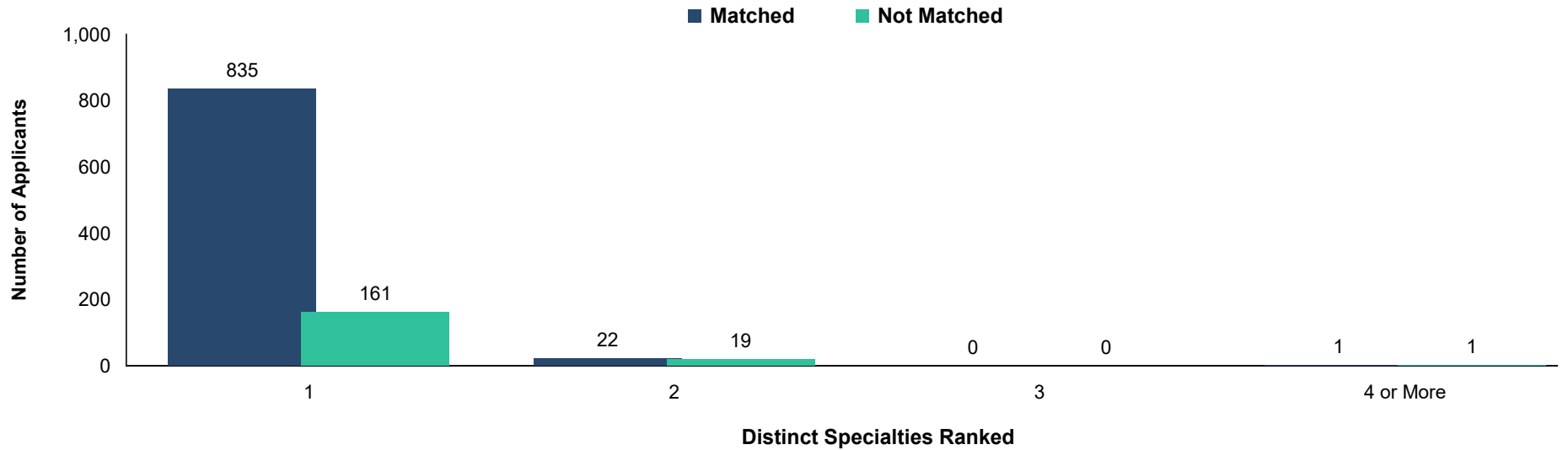
Note: Only U.S. MD seniors who gave consent to use their information in research are included.

\*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>).

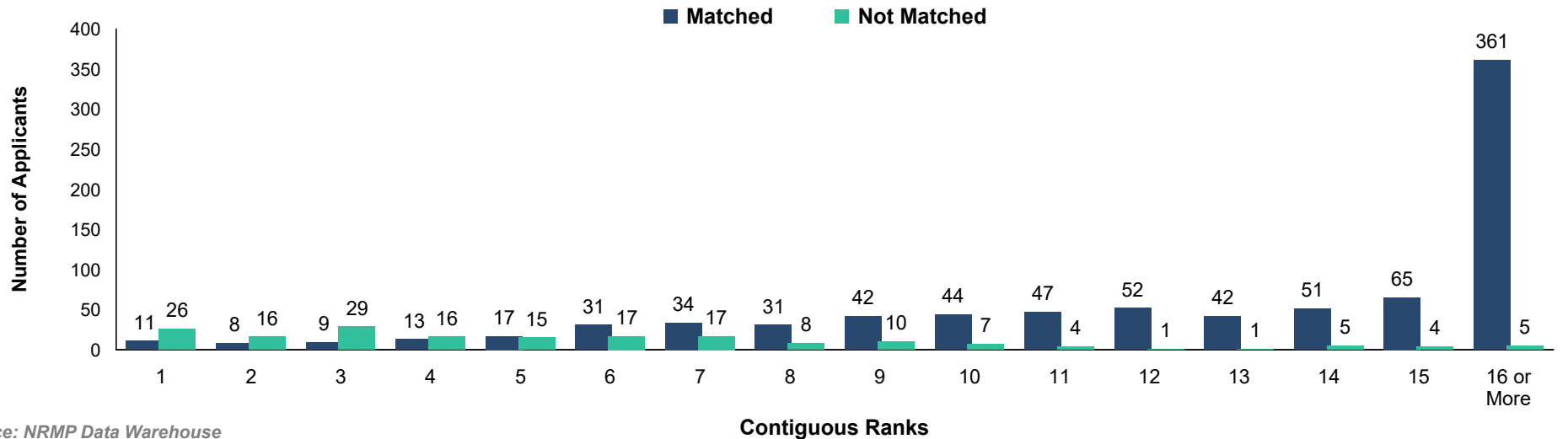
**Chart  
GS-1**

**Number of Distinct Specialties Ranked by U.S. MD Seniors  
General Surgery**



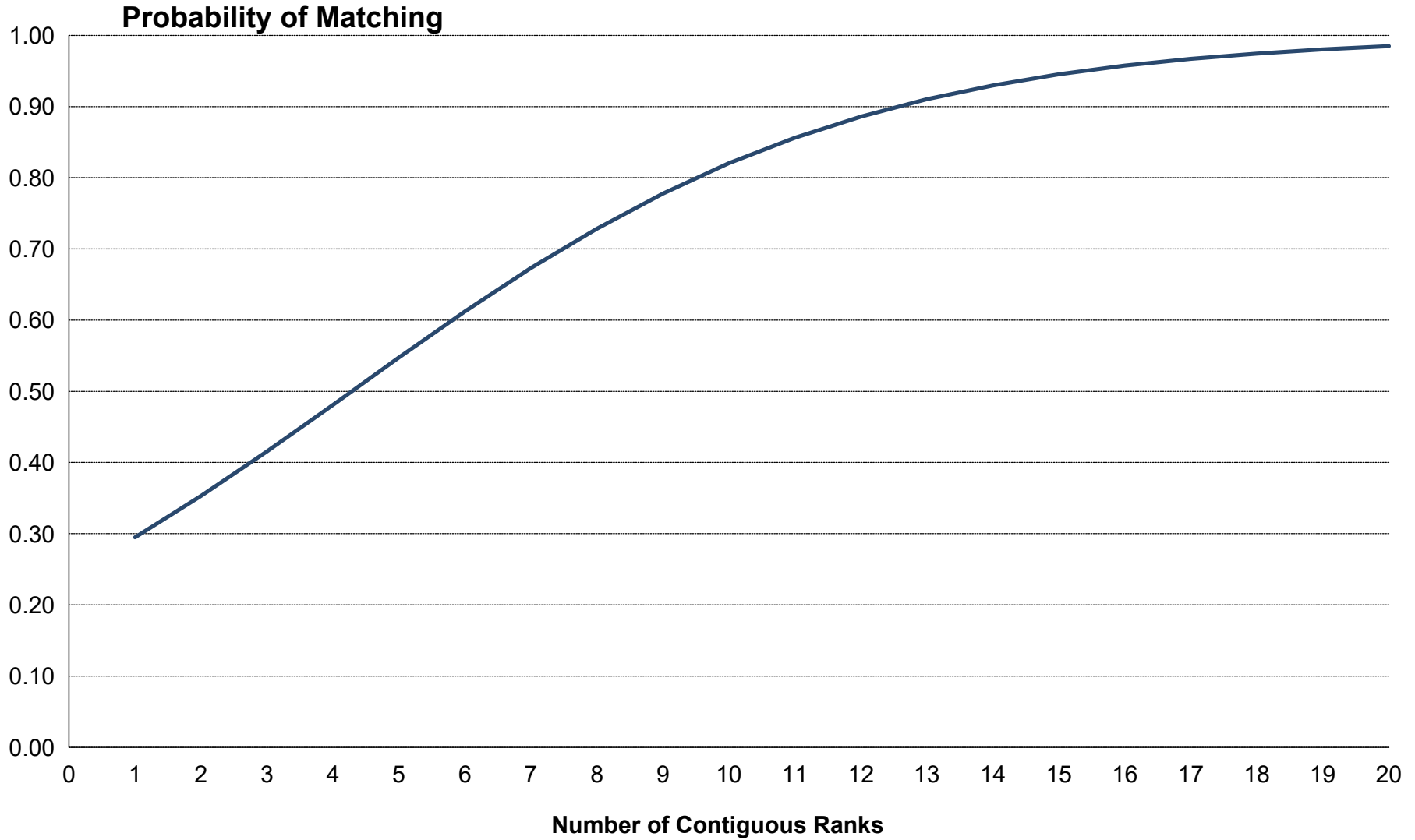
**Chart  
GS-2**

**Number of Contiguous Ranks of U.S. MD Seniors  
General Surgery**



Source: NRMP Data Warehouse

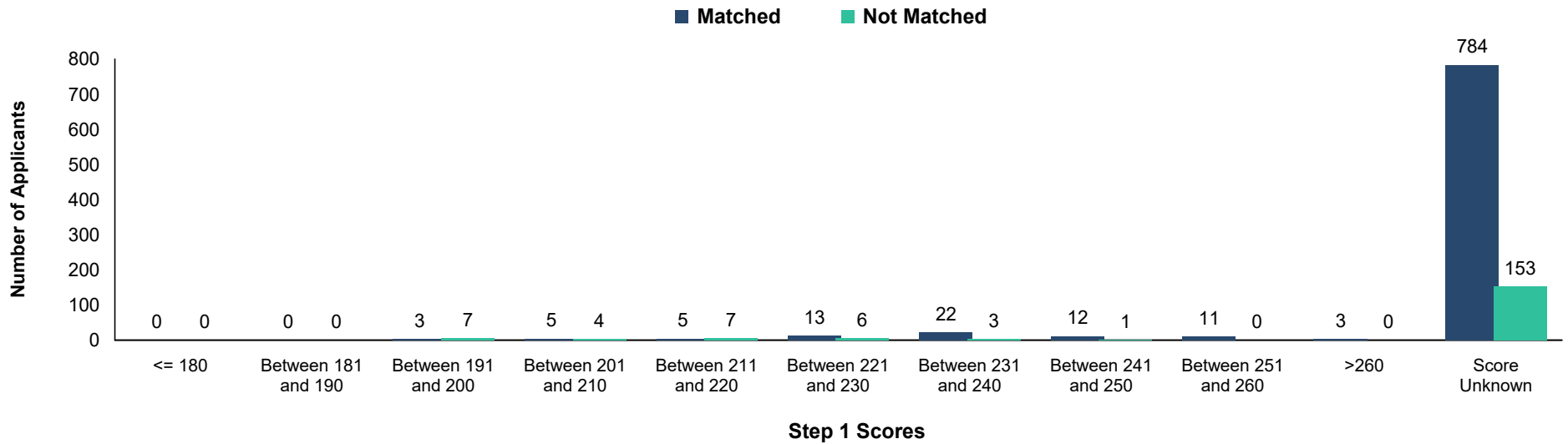
**Probability of U.S. MD Seniors Matching to Preferred Specialty by Number of Contiguous Ranks**  
*General Surgery*



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

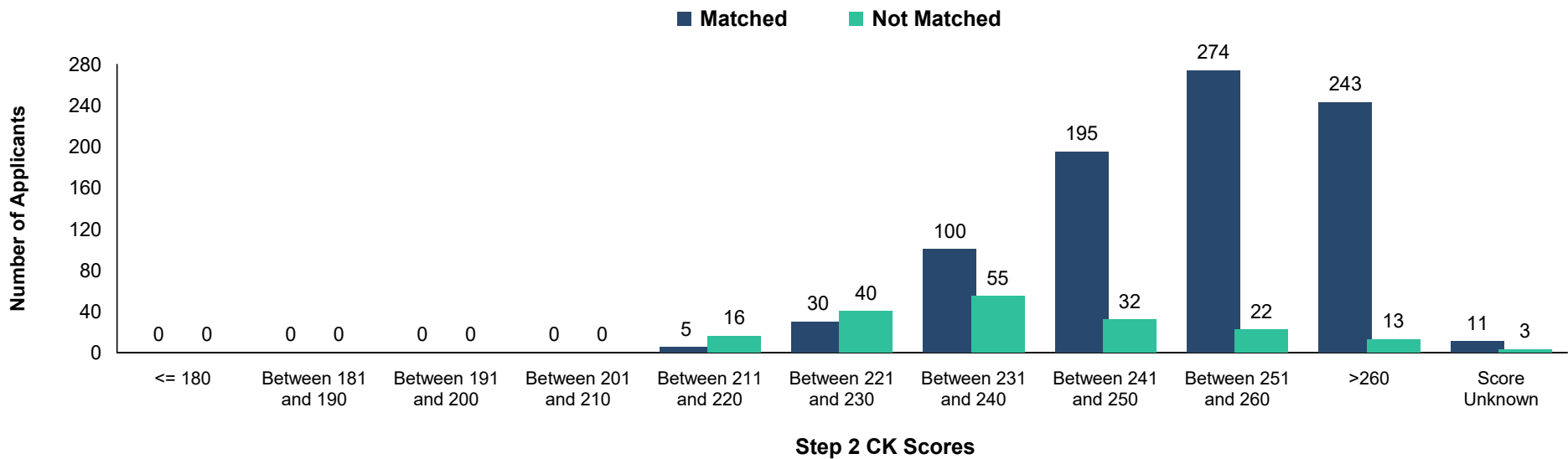
**Chart  
GS-3**

**USMLE Step 1 Scores of U.S. MD Seniors  
General Surgery**



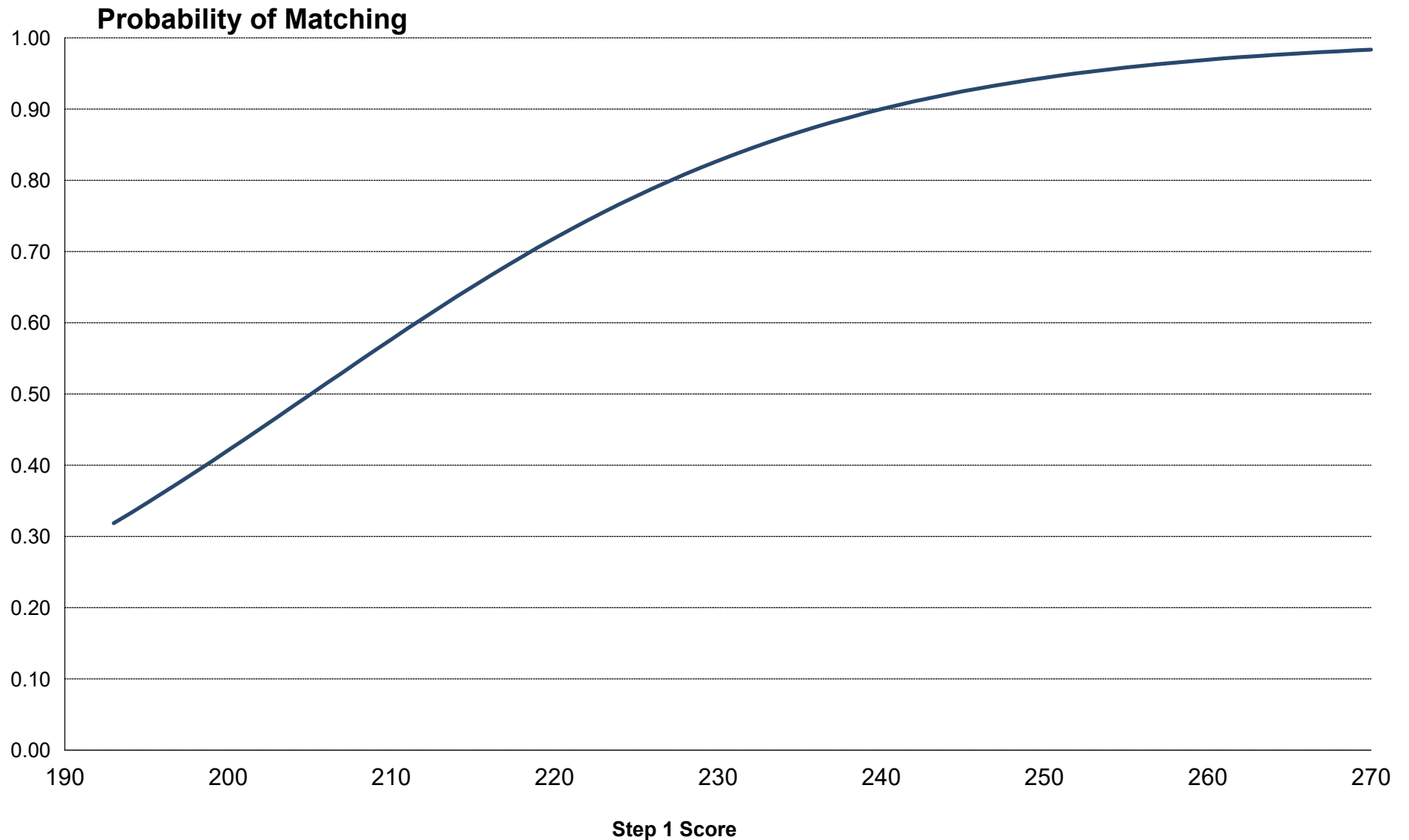
**Chart  
GS-4**

**USMLE Step 2 CK Scores of U.S. MD Seniors  
General Surgery**



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

## General Surgery

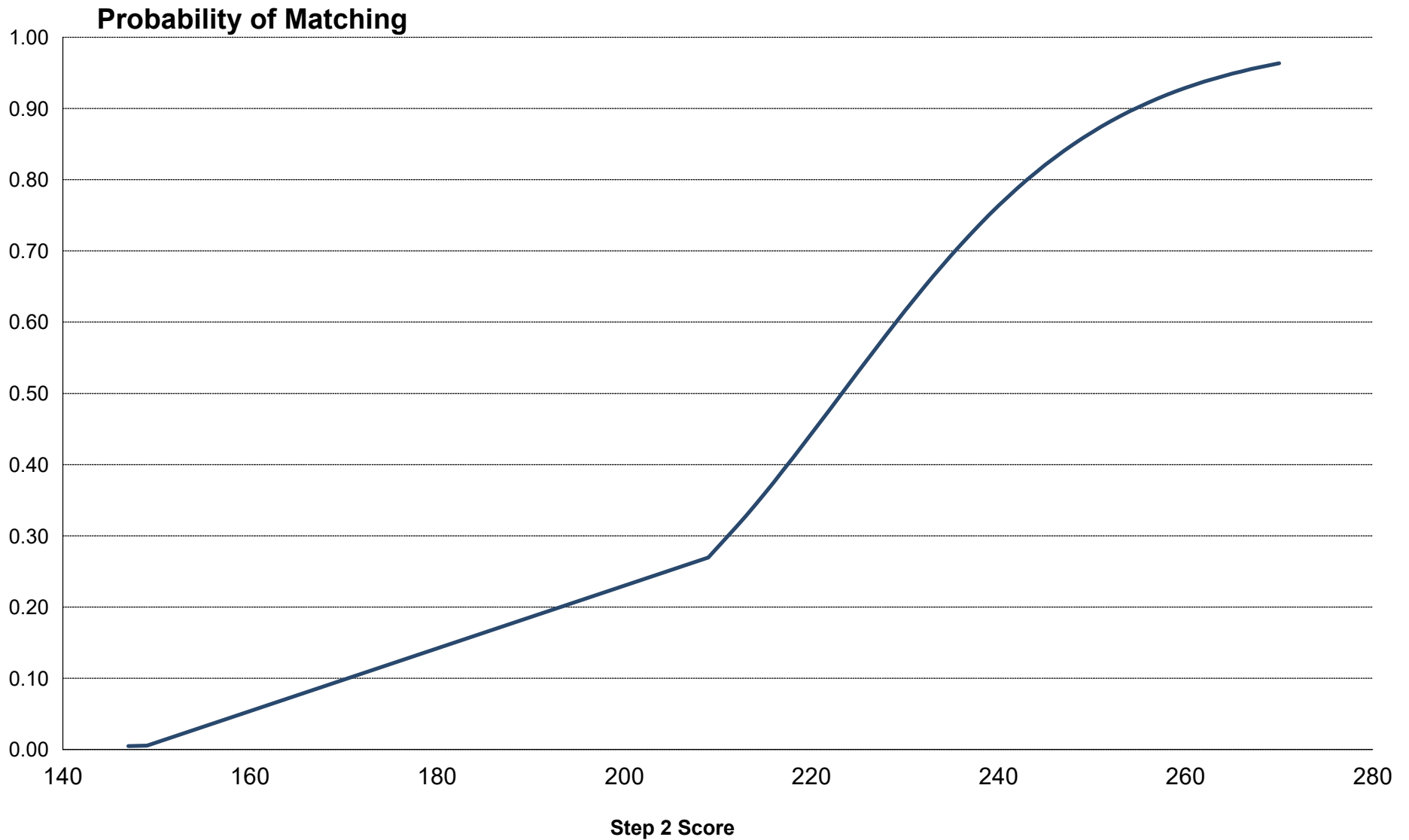


Source: NRMP Data Warehouse. Note: Probabilities calculated based on 2022-2024 applicants.



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

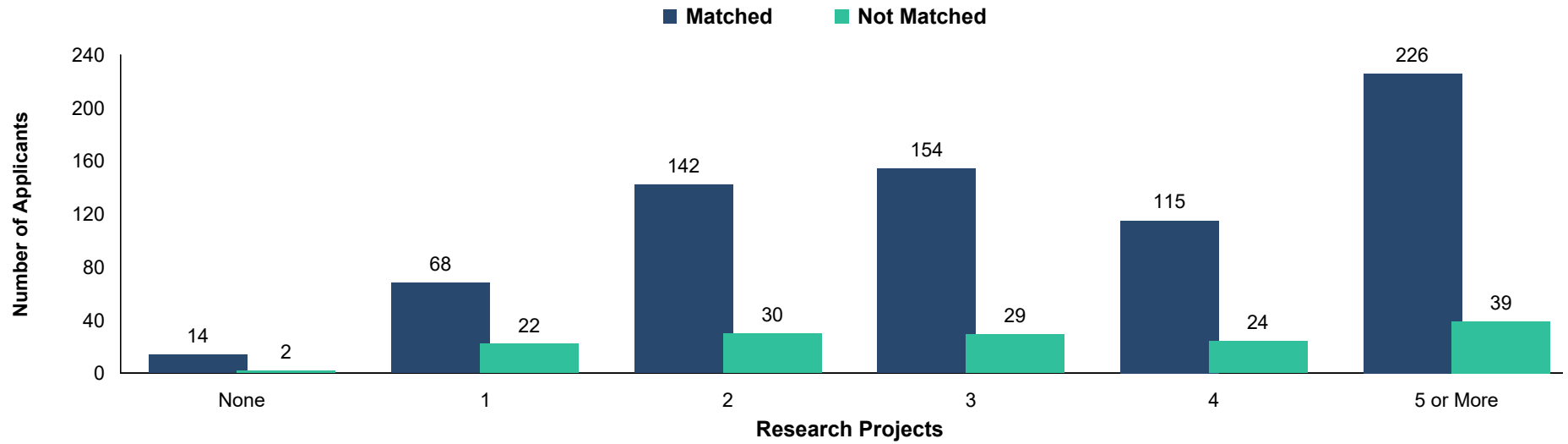
## General Surgery



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

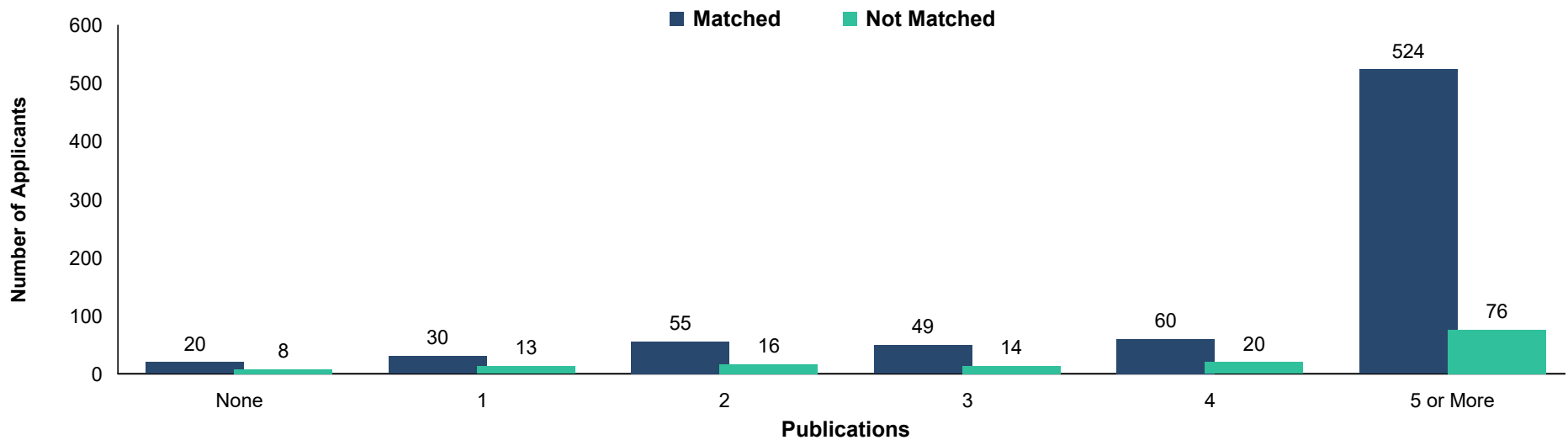
**Chart  
GS-5**

**Number of Research Projects of U.S. MD Seniors  
General Surgery**



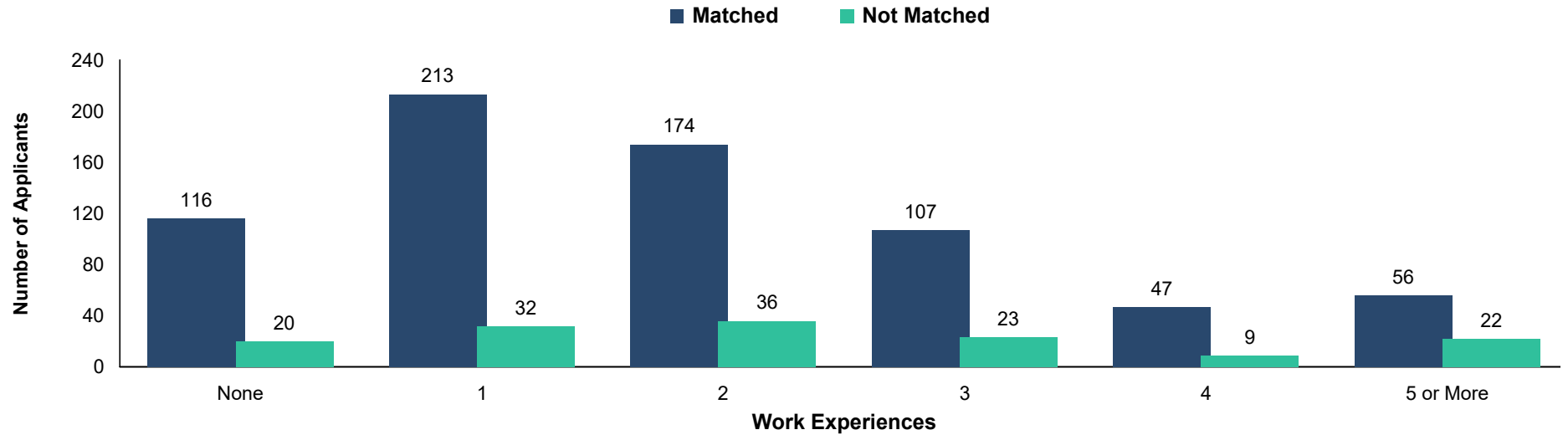
**Chart  
GS-6**

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

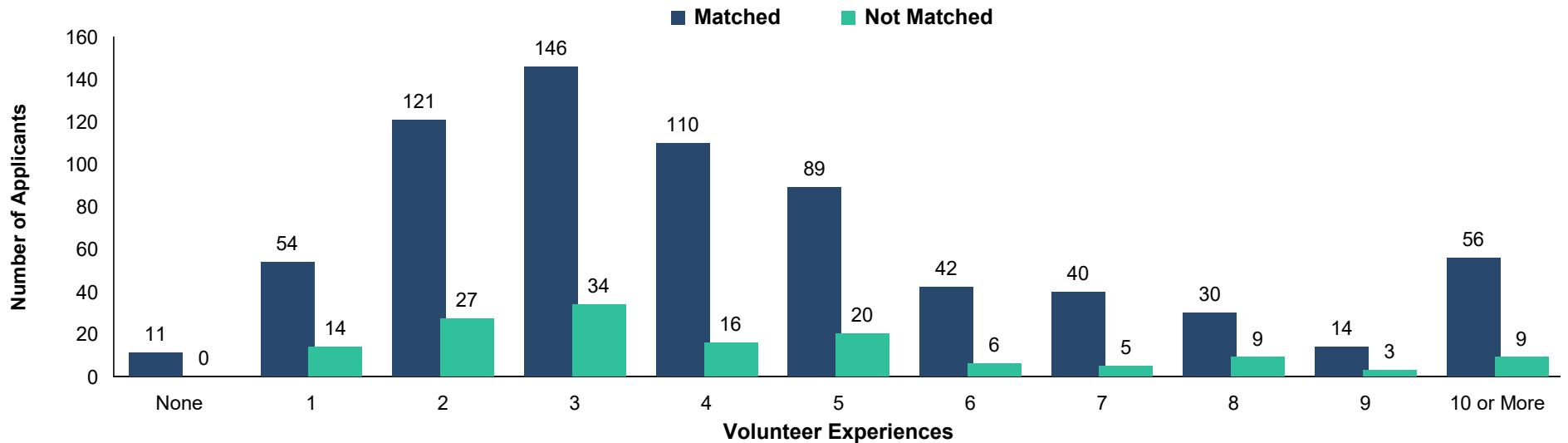


Source: NRMP Data Warehouse

**Chart GS-7** Number of Work Experiences of U.S. MD Seniors  
*General Surgery*

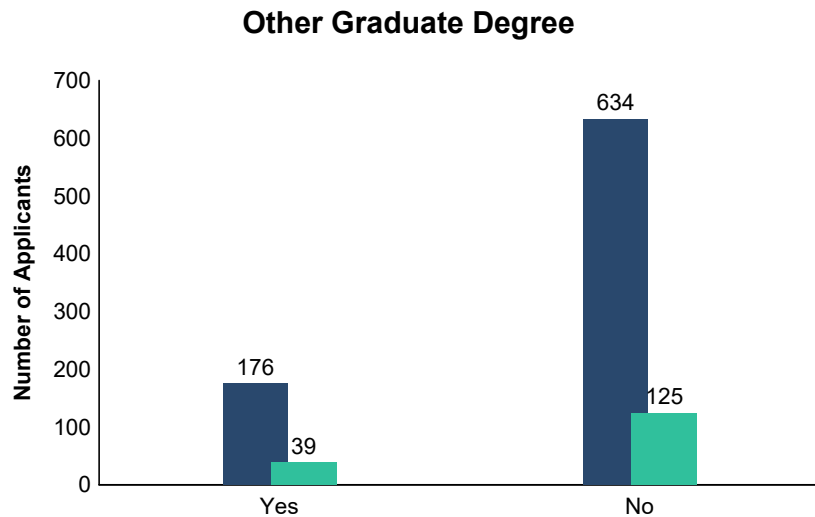
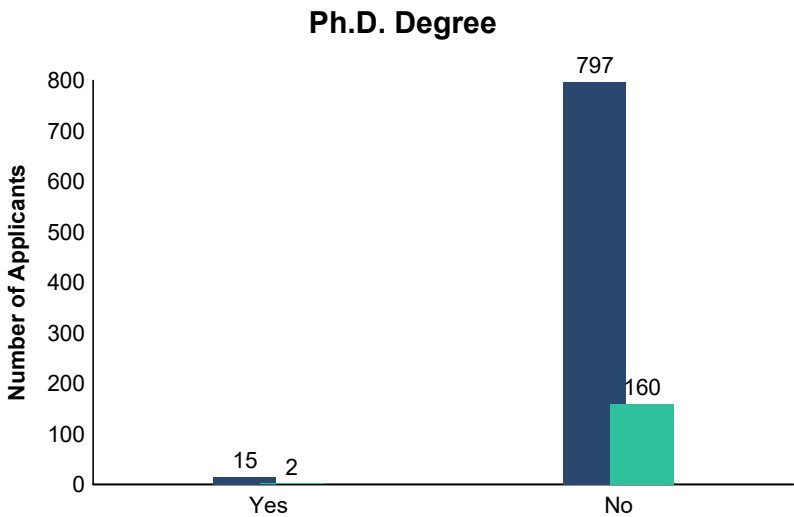
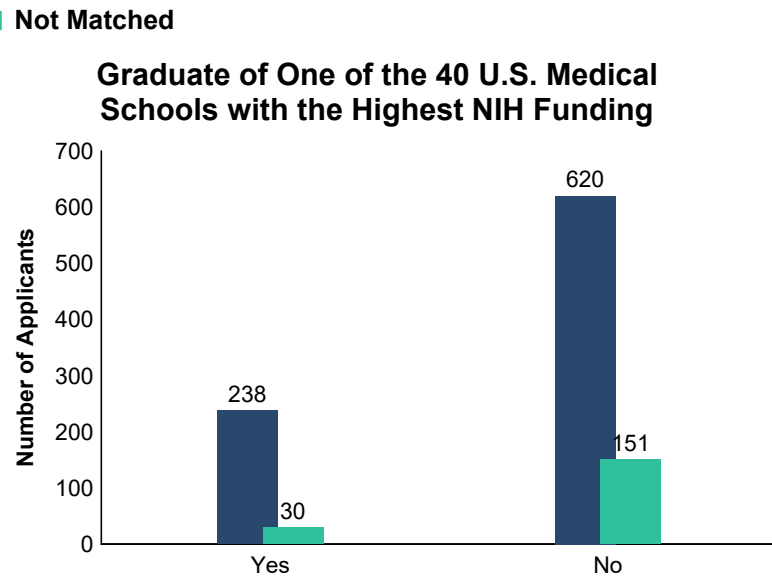
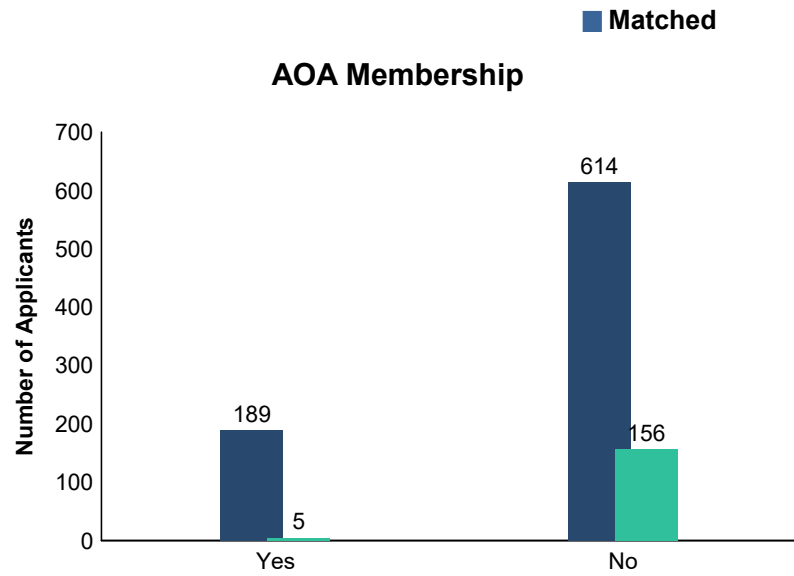


**Chart GS-8** Number of Volunteer Experiences of U.S. MD Seniors  
*General Surgery*



Source: NRMP Data Warehouse

**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>

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**IM** Internal Medicine

**Table IM-1** **Summary Statistics on U.S. MD Seniors**  
*Internal Medicine*

| Measure   | Matched<br>(n=3,024) | Unmatched<br>(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                |

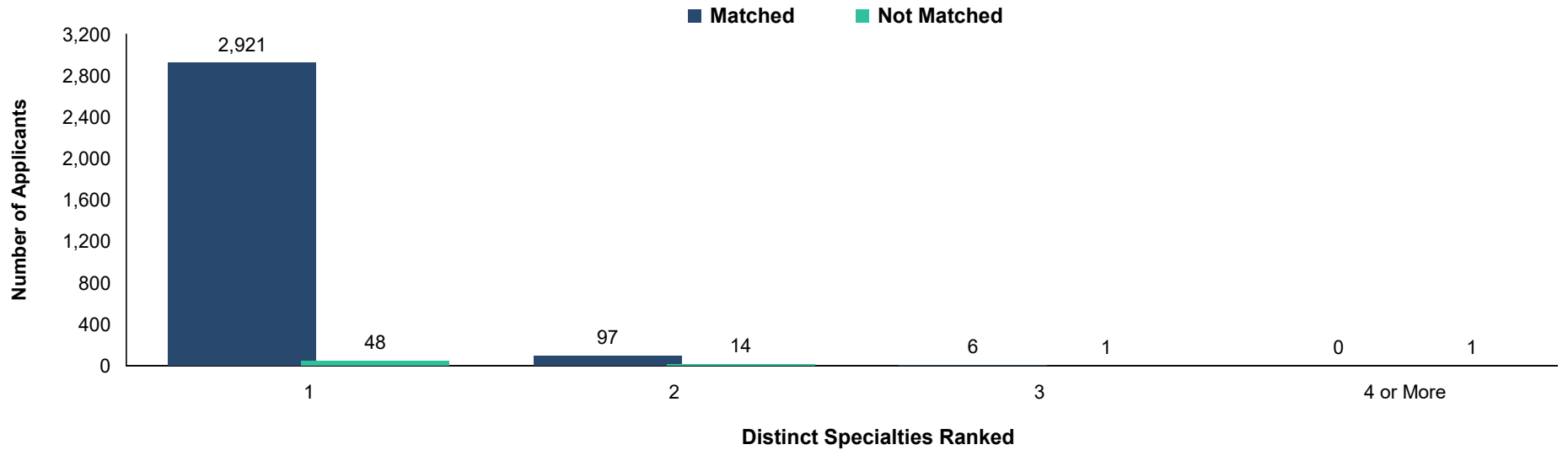
Note: Only U.S. MD seniors who gave consent to use their information in research are included.

\*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>).

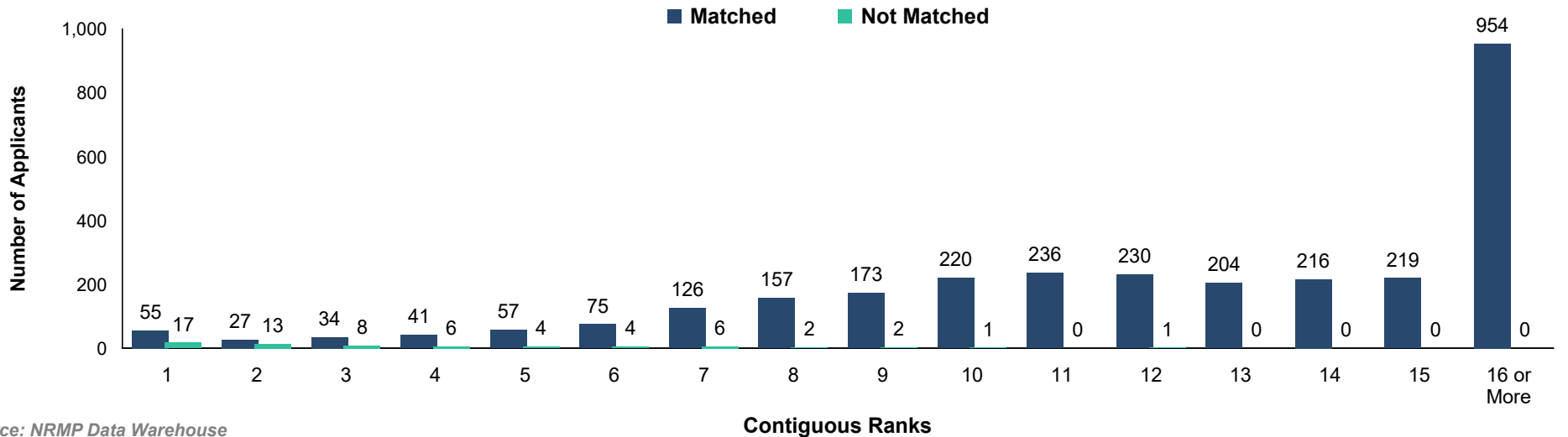
**Chart  
IM-1**

**Number of Distinct Specialties Ranked by U.S. MD Seniors**  
*Internal Medicine*



**Chart  
IM-2**

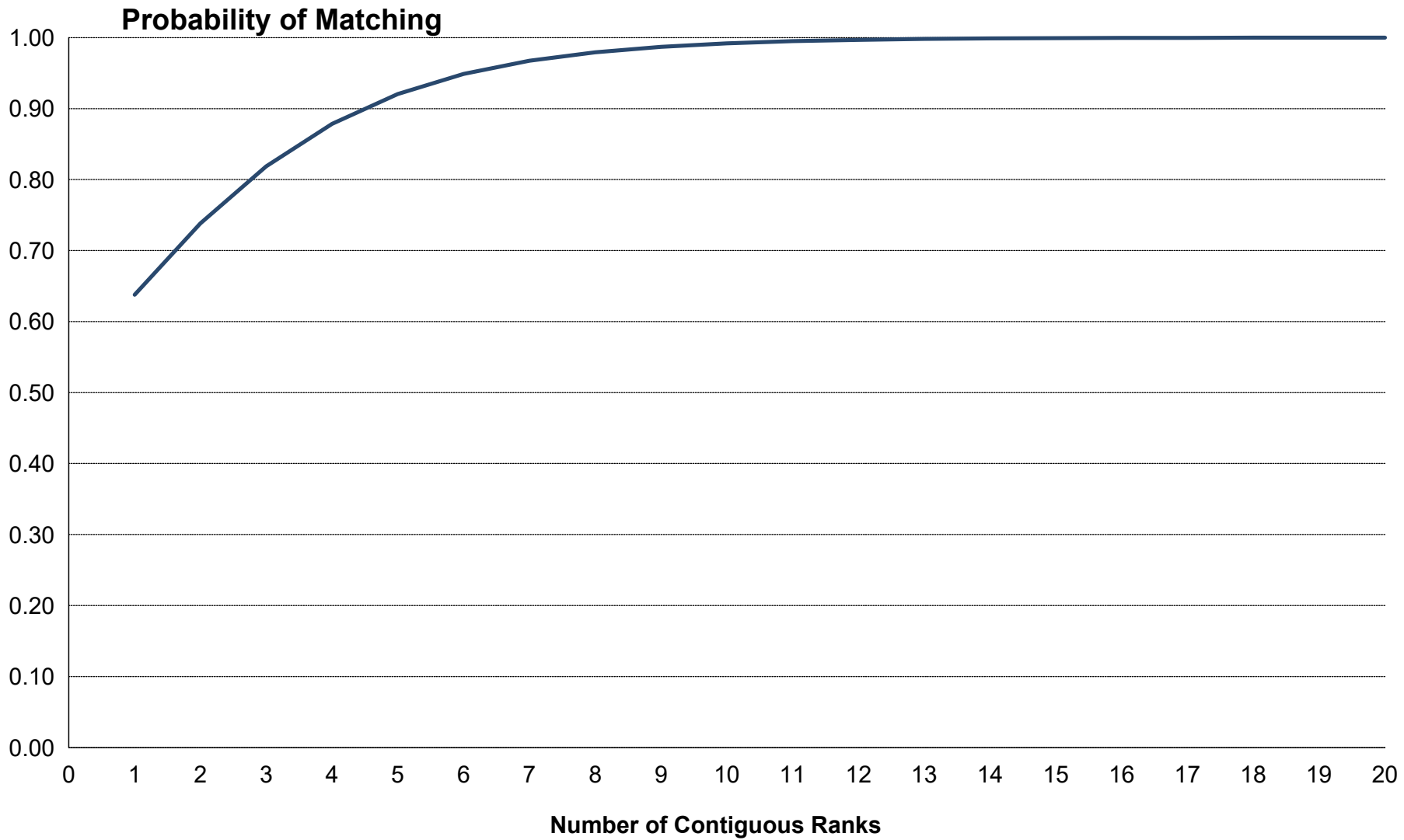
**Number of Contiguous Ranks of U.S. MD Seniors**  
*Internal Medicine*



Source: NRMP Data Warehouse

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

*Internal Medicine*

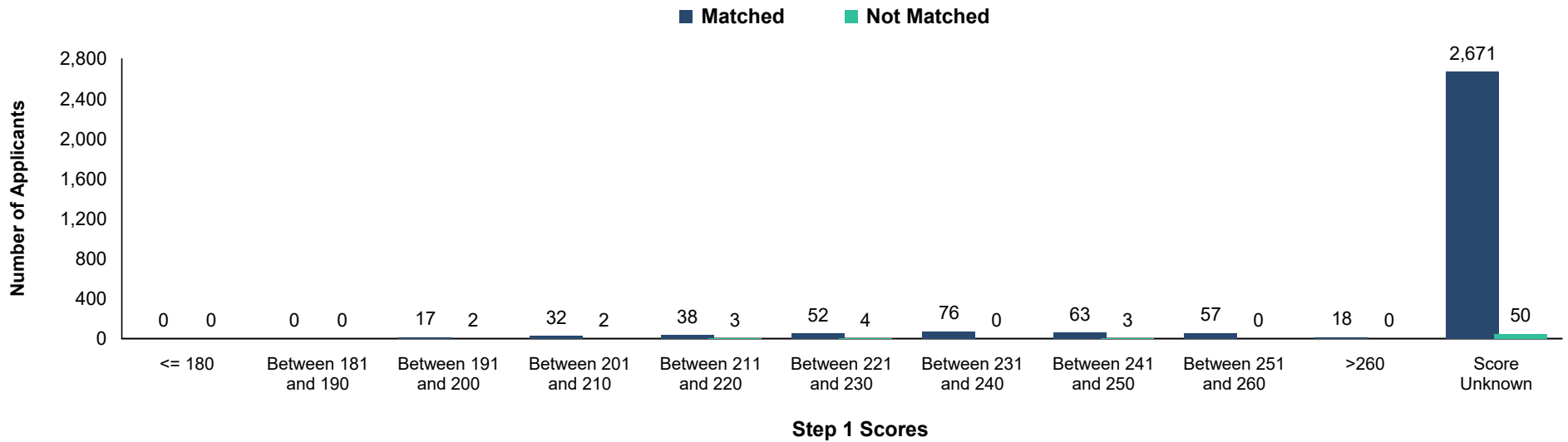


Source: NRMP Data Warehouse. Note: Probabilities calculated based on 2022-2024 applicants



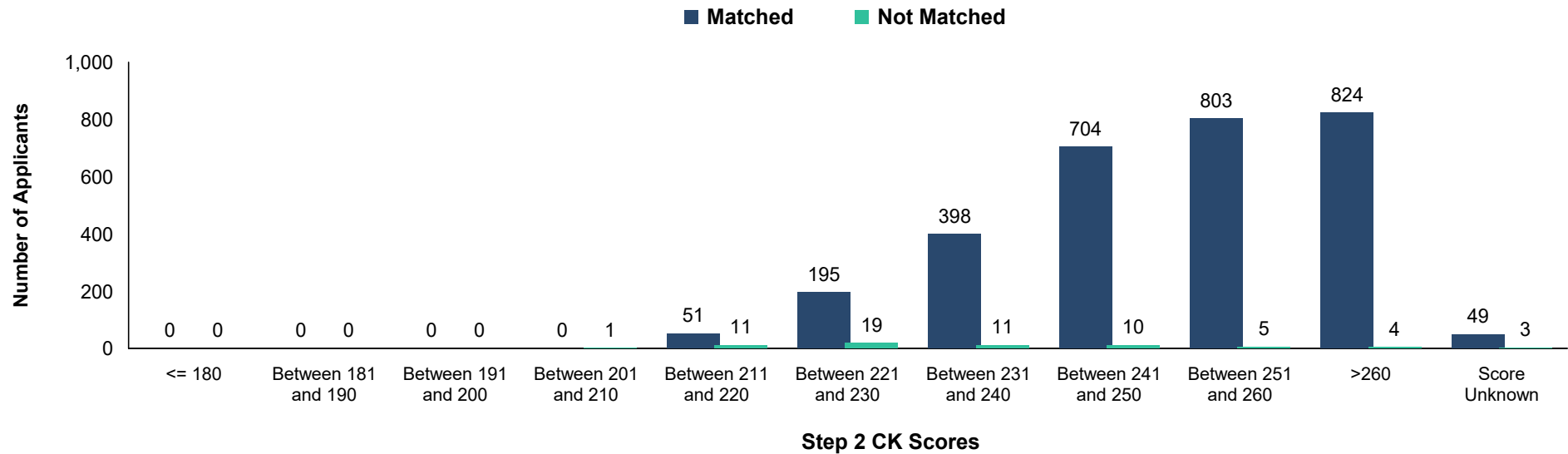
**Chart  
IM-3**

**USMLE Step 1 Scores of U.S. MD Seniors  
Internal Medicine**



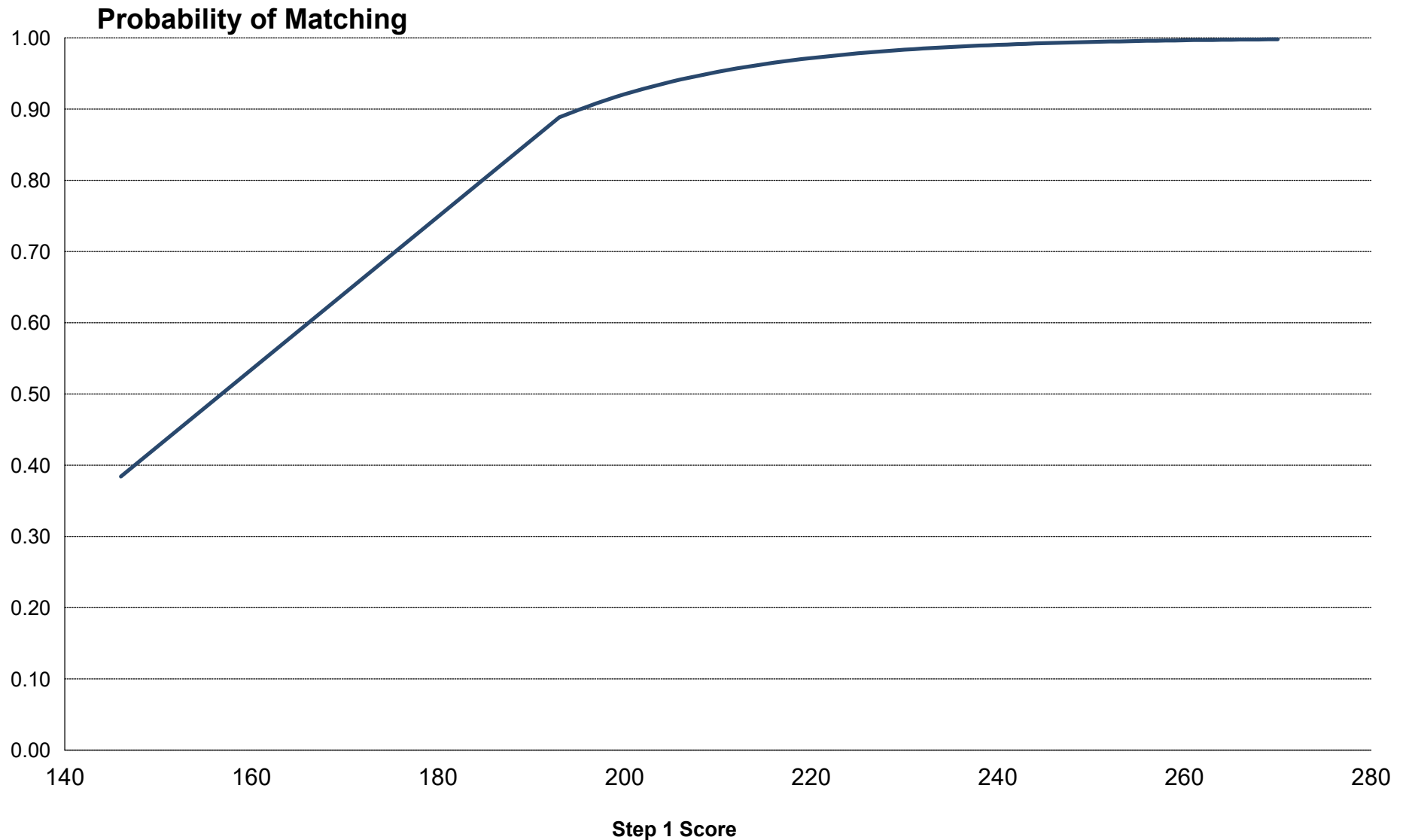
**Chart  
IM-4**

**USMLE Step 2 CK Scores of U.S. MD Seniors  
Internal Medicine**



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

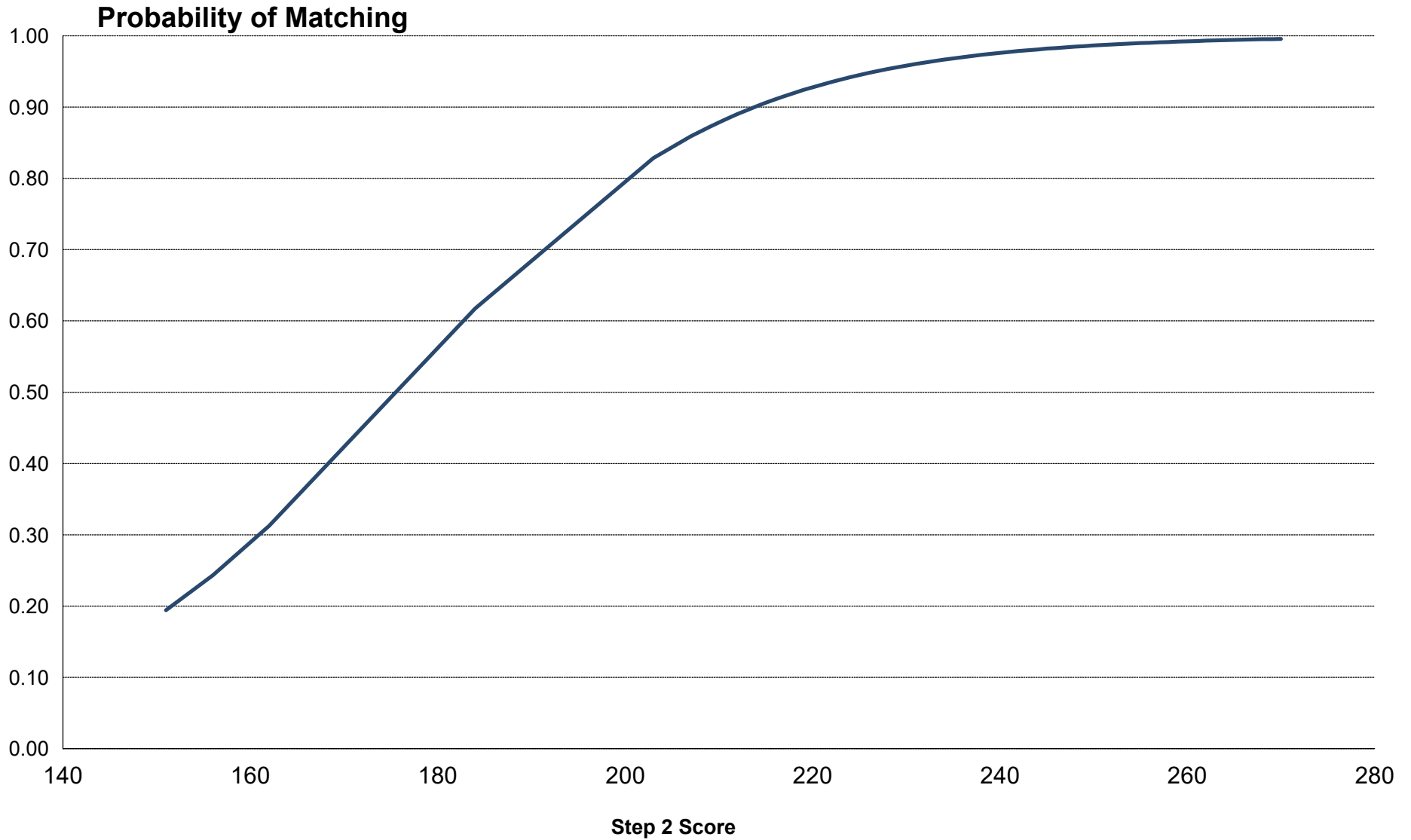
## Internal Medicine



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

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

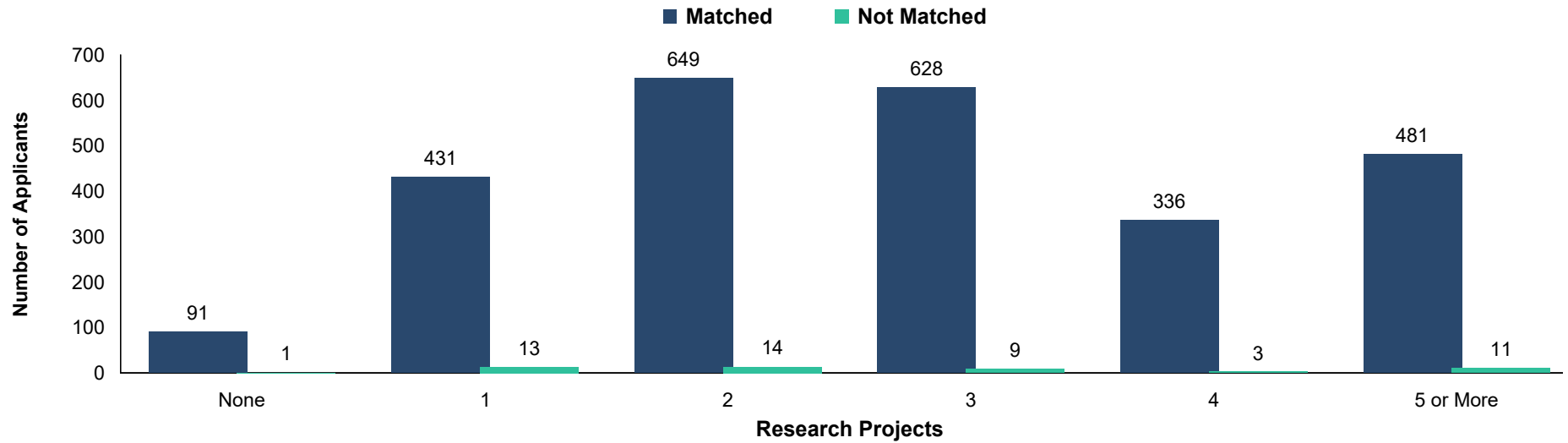
## Internal Medicine



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

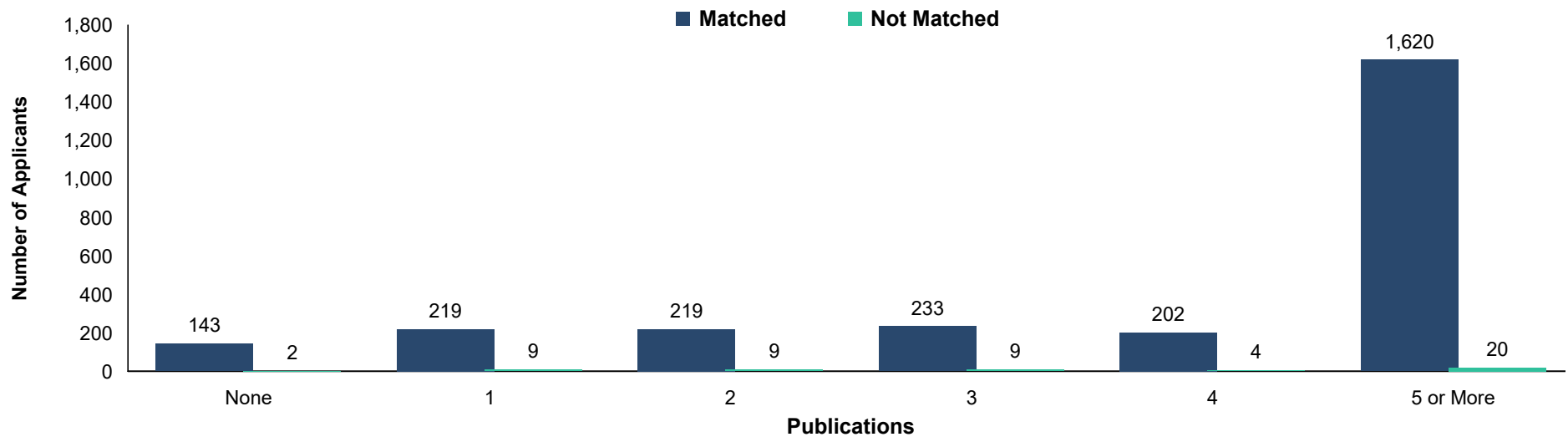
**Chart  
IM-5**

**Number of Research Projects of U.S. MD Seniors  
Internal Medicine**



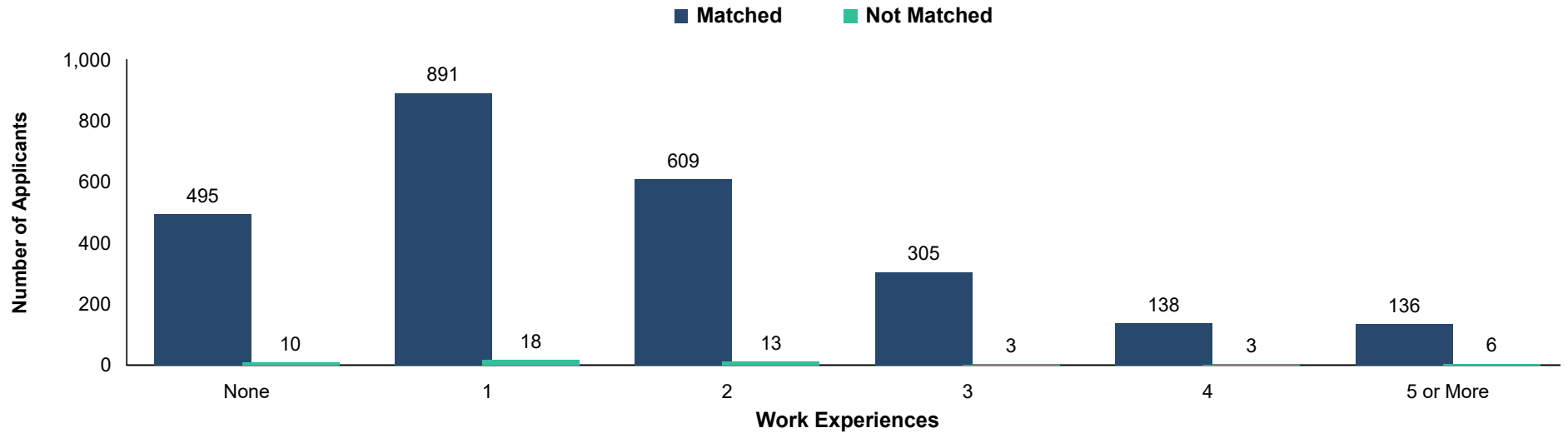
**Chart  
IM-6**

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

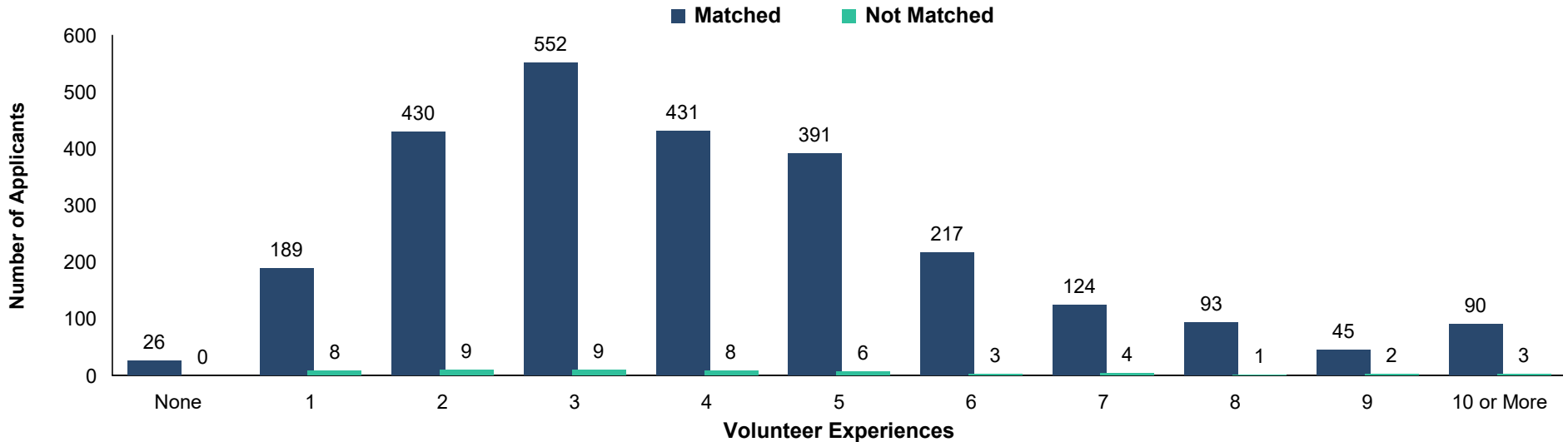


Source: NRMP Data Warehouse

**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*

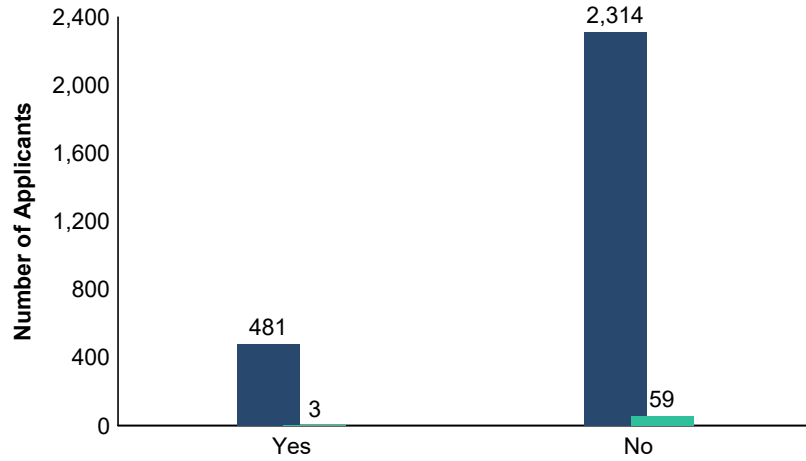


Source: NRMP Data Warehouse

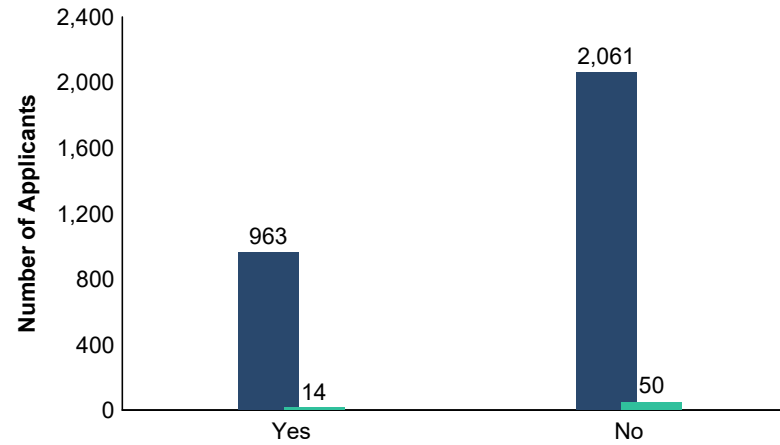
**Other Characteristics of U.S. MD Seniors**  
*Internal Medicine*

■ Matched ■ Not Matched

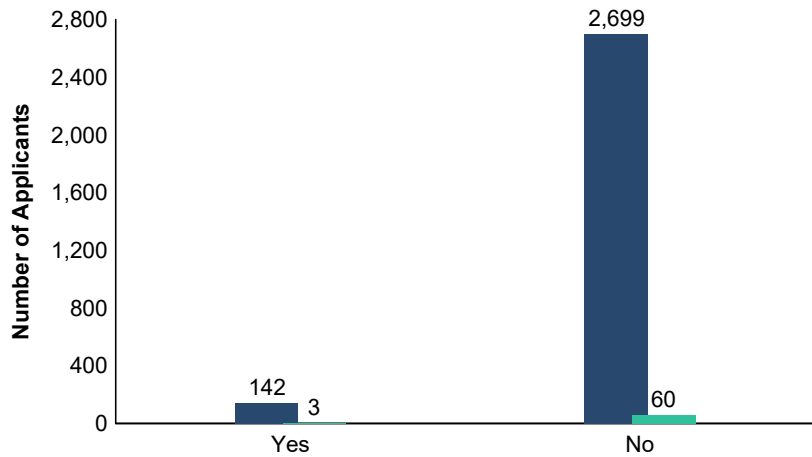
**AOA Membership**



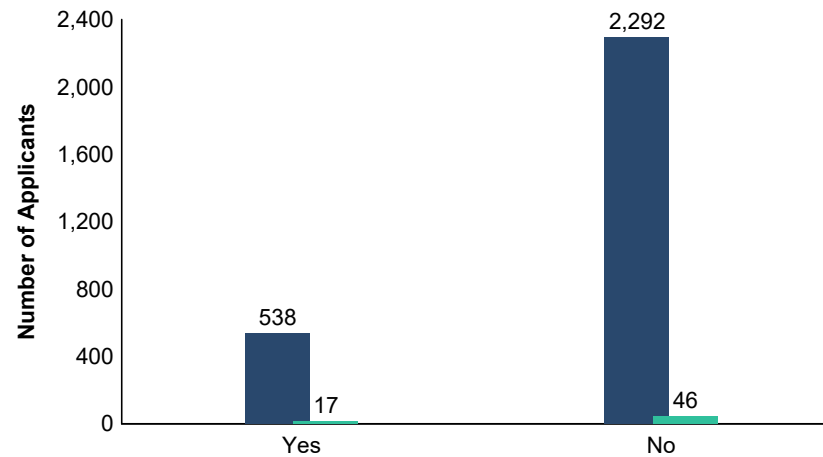
**Graduate of One of the 40 U.S. Medical Schools with the Highest NIH Funding**



**Ph.D. Degree**



**Other Graduate Degree**



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

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**IP**

## **Internal Medicine/Pediatrics**

**Table IP-1** **Summary Statistics on U.S. MD Seniors**  
*Internal Medicine/Pediatrics*

| Measure   | Matched<br>(n=294) | Unmatched<br>(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.

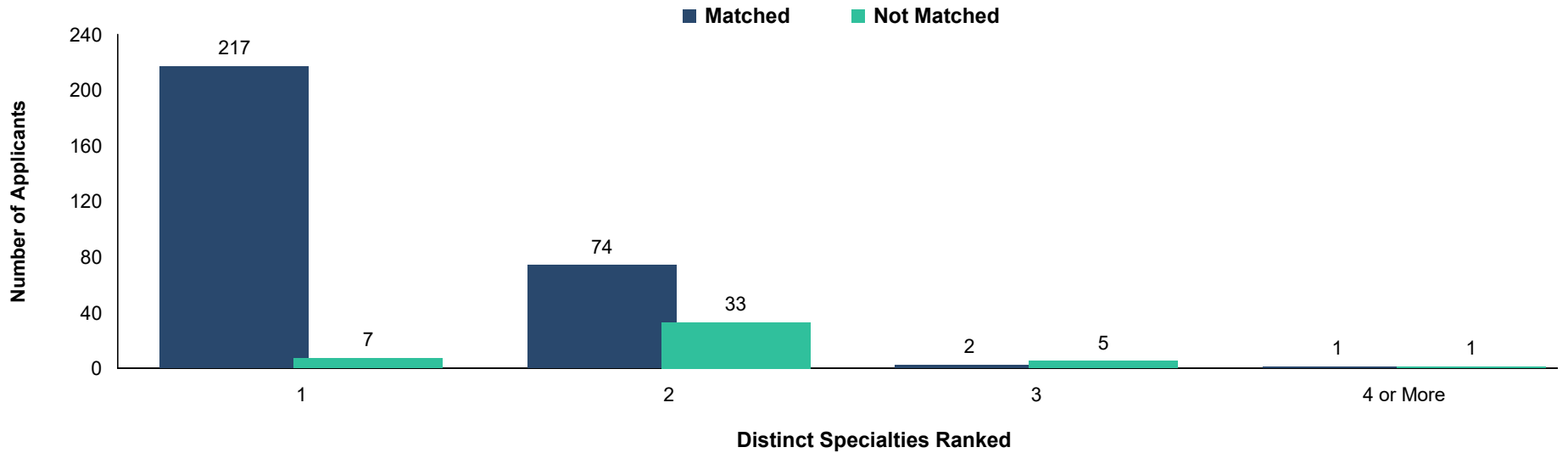
\*Only applicants who indicated completion of the USMLE Step 1 exam prior to the transition to pass/fail (i.e., prior to January 26, 2022) had the option to self-report their Step 1 numeric score. In 2024, only 2,143 U.S. MD seniors self-reported Step 1 numeric scores.

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>).



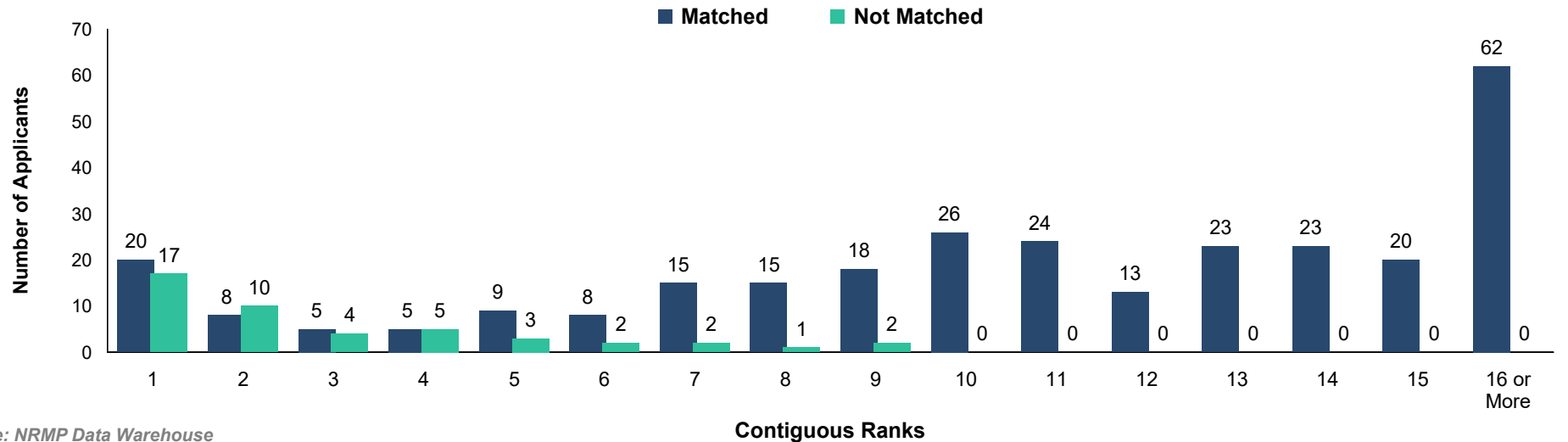
**Chart  
IP-1**

**Number of Distinct Specialties Ranked by U.S. MD Seniors  
*Internal Medicine/Pediatrics***



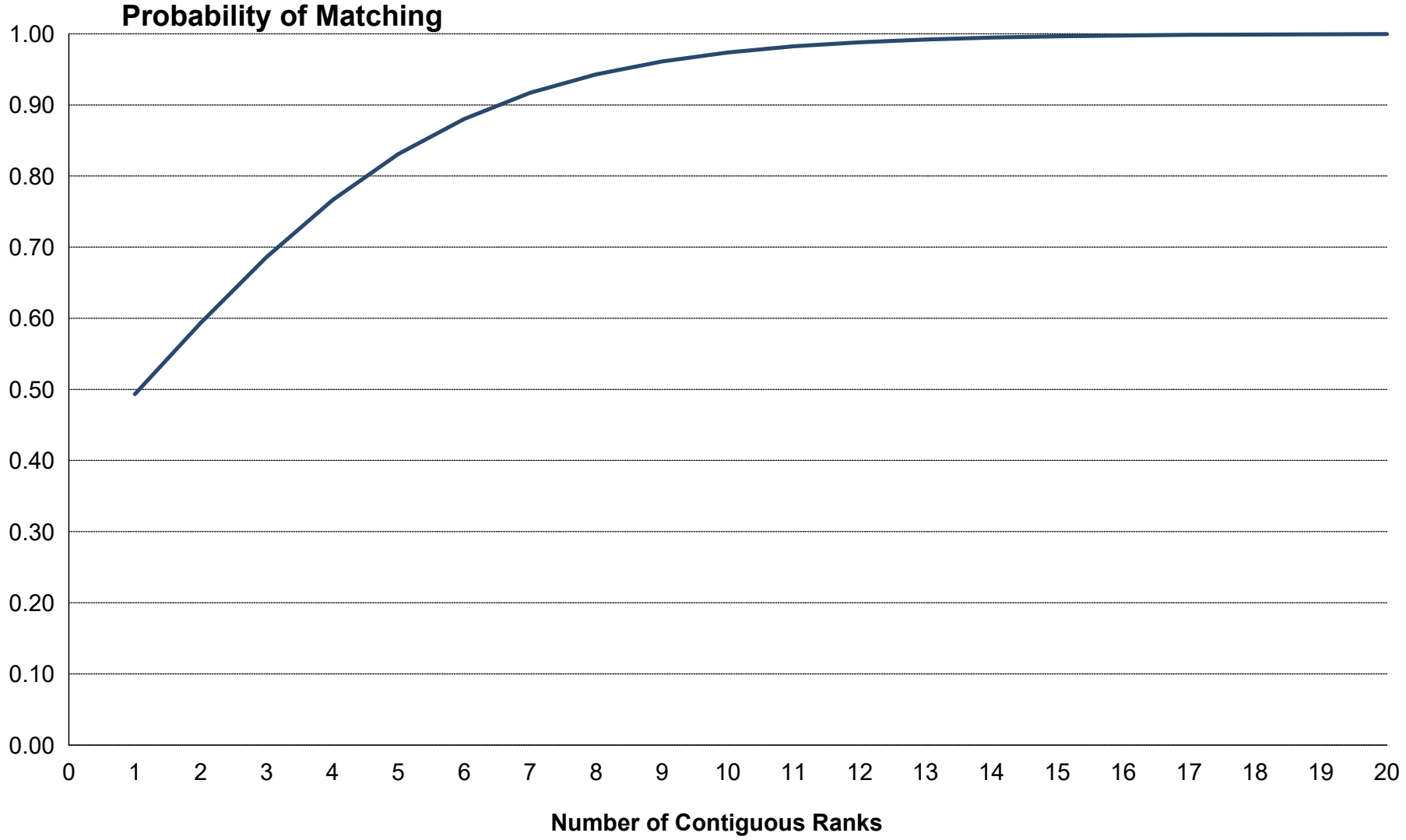
**Chart  
IP-2**

**Number of Contiguous Ranks of U.S. MD Seniors  
*Internal Medicine/Pediatrics***



Source: NRMP Data Warehouse

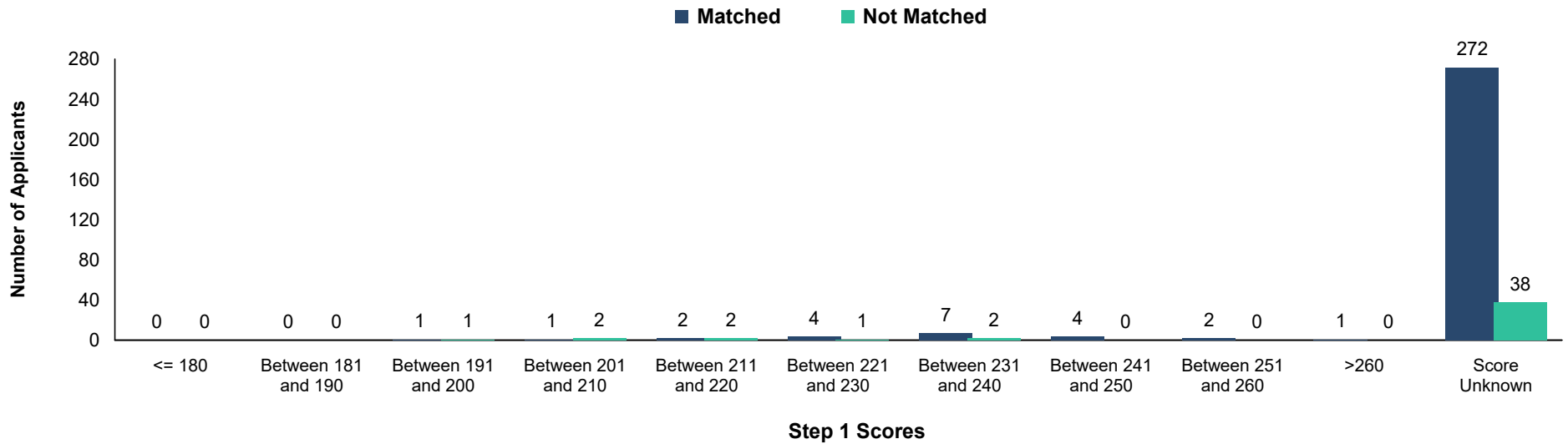
**Probability of U.S. MD Seniors Matching to Preferred Specialty by Number of Contiguous Ranks**  
*Internal Medicine/Pediatrics*



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

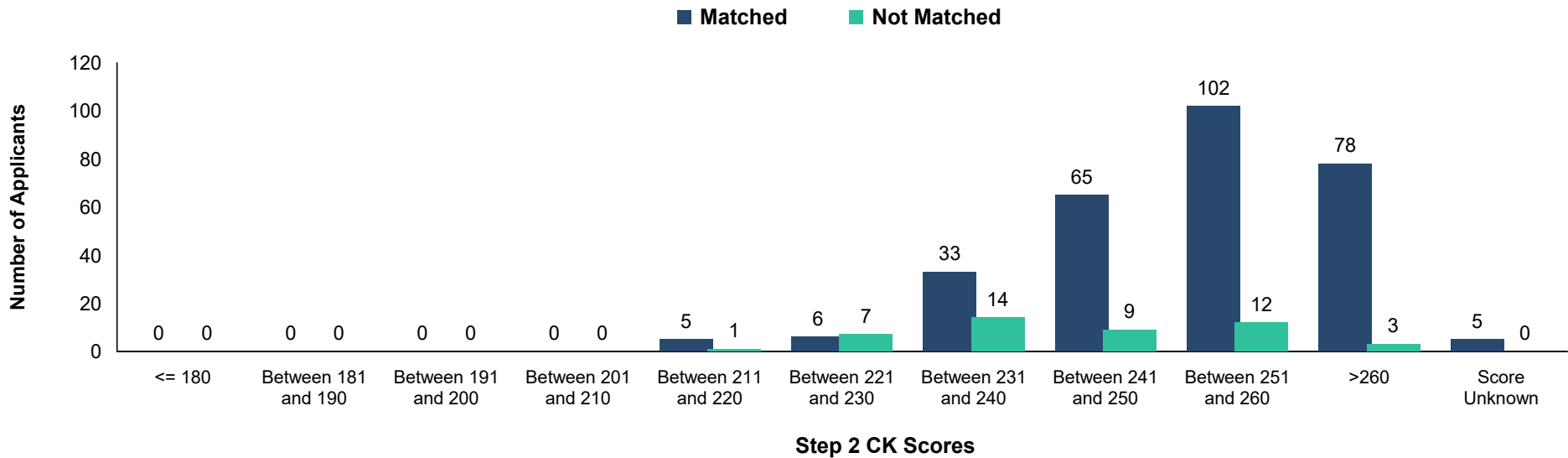
**Chart  
IP-3**

**USMLE Step 1 Scores of U.S. MD Seniors**  
*Internal Medicine/Pediatrics*



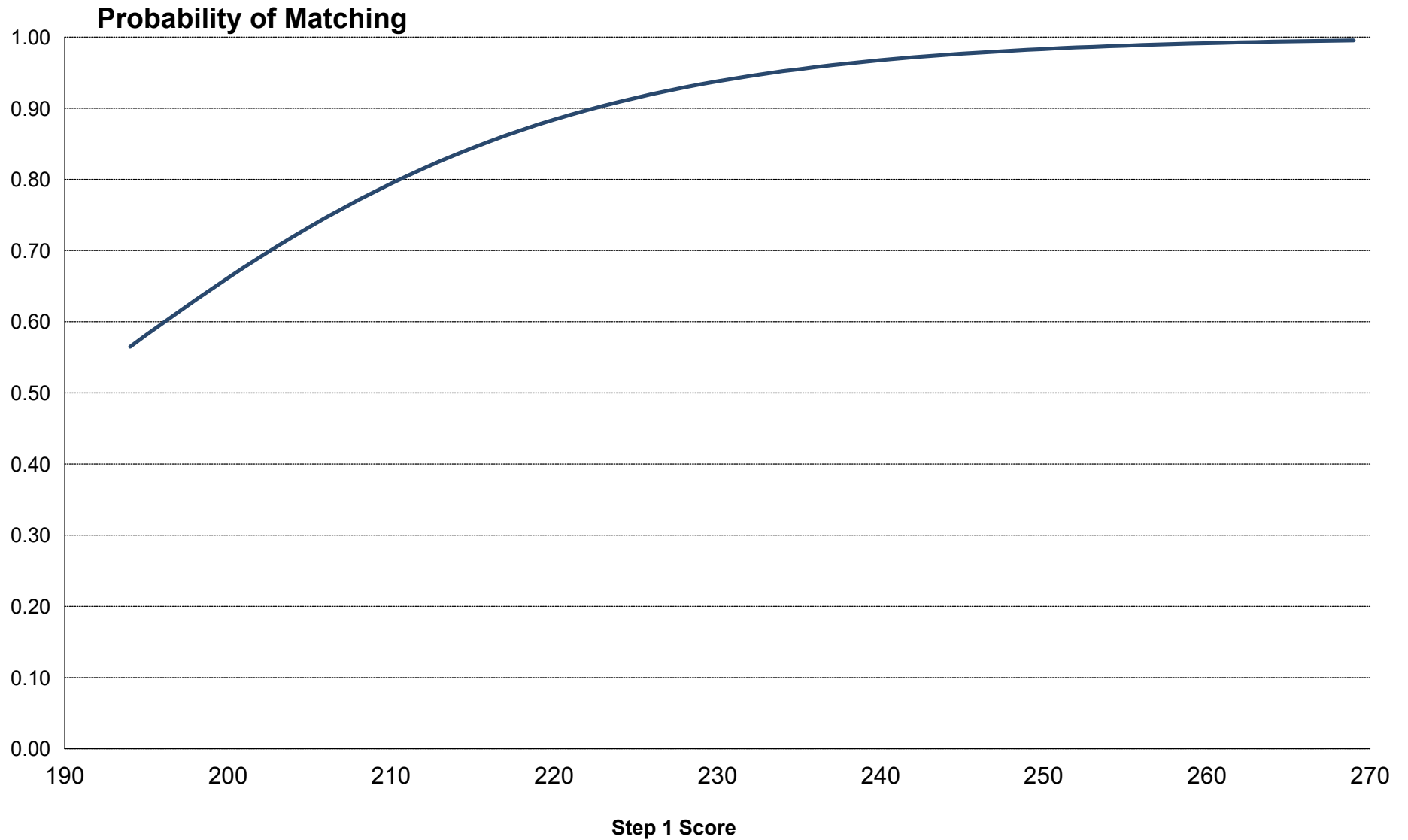
**Chart  
IP-4**

**USMLE Step 2 CK Scores of U.S. MD Seniors**  
*Internal Medicine/Pediatrics*



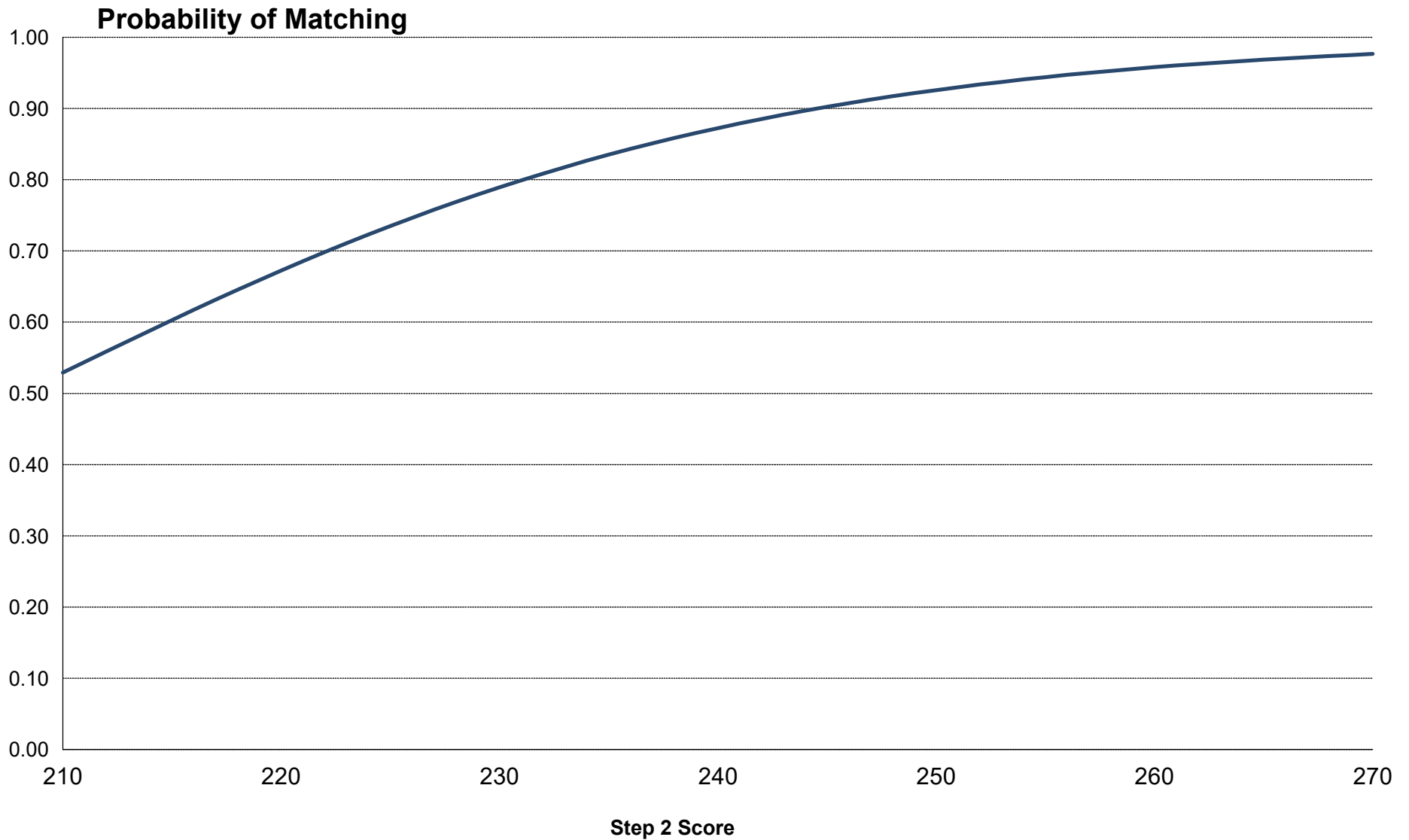
# Probability of U.S. MD Seniors Matching to Preferred Specialty by USMLE Step 1 Score

*Internal Medicine/Pediatrics*



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

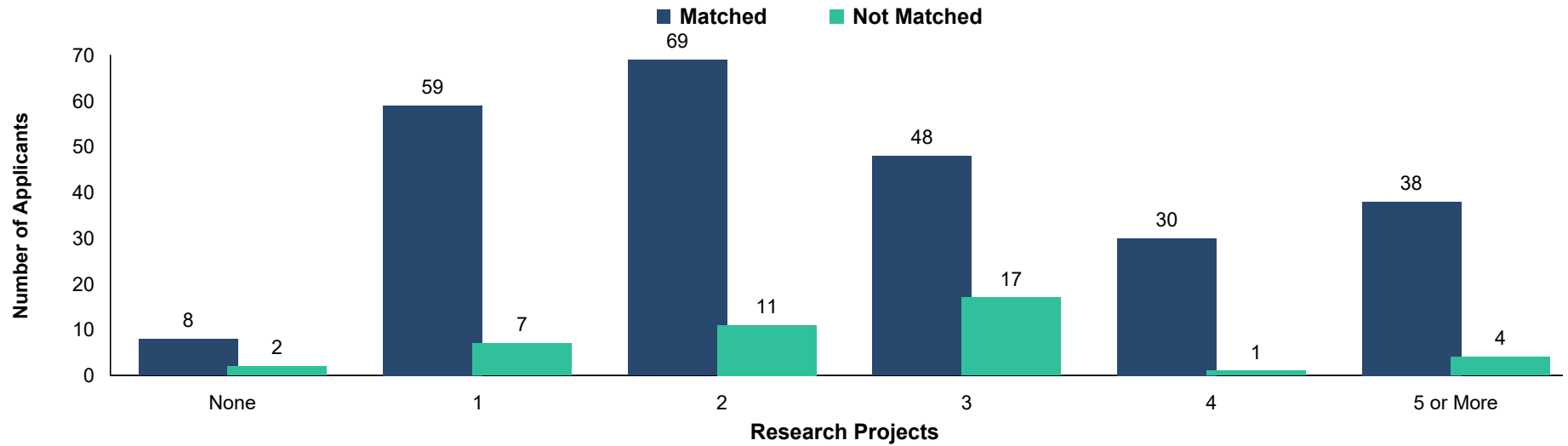
## Probability of U.S. MD Seniors Matching to Preferred Specialty by USMLE Step 2 Score *Internal Medicine/Pediatrics*



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

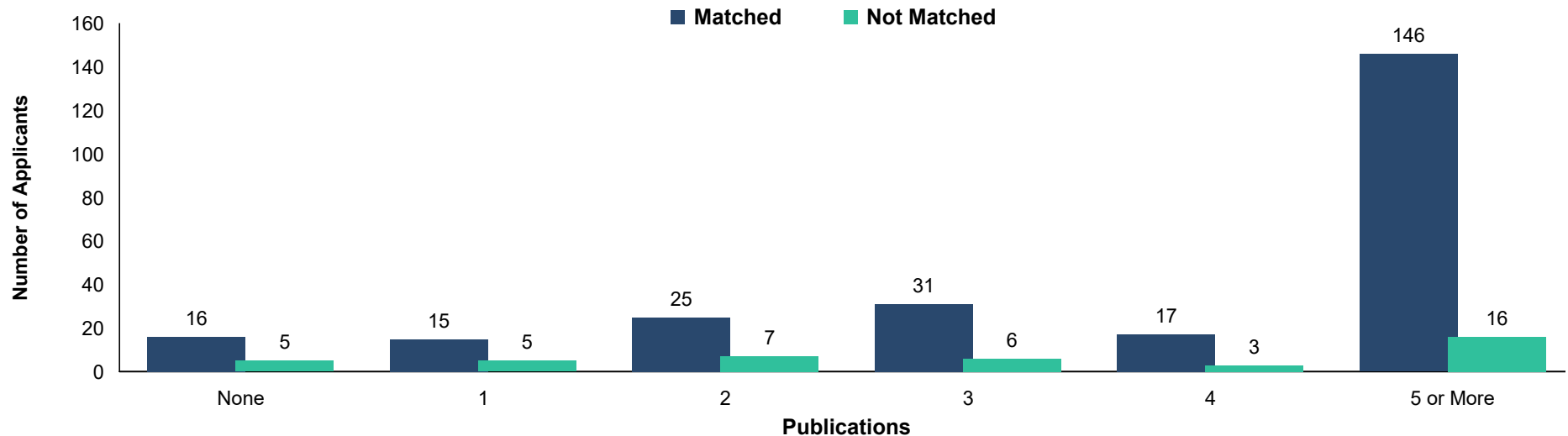
**Chart  
IP-5**

**Number of Research Projects of U.S. MD Seniors**  
*Internal Medicine/Pediatrics*



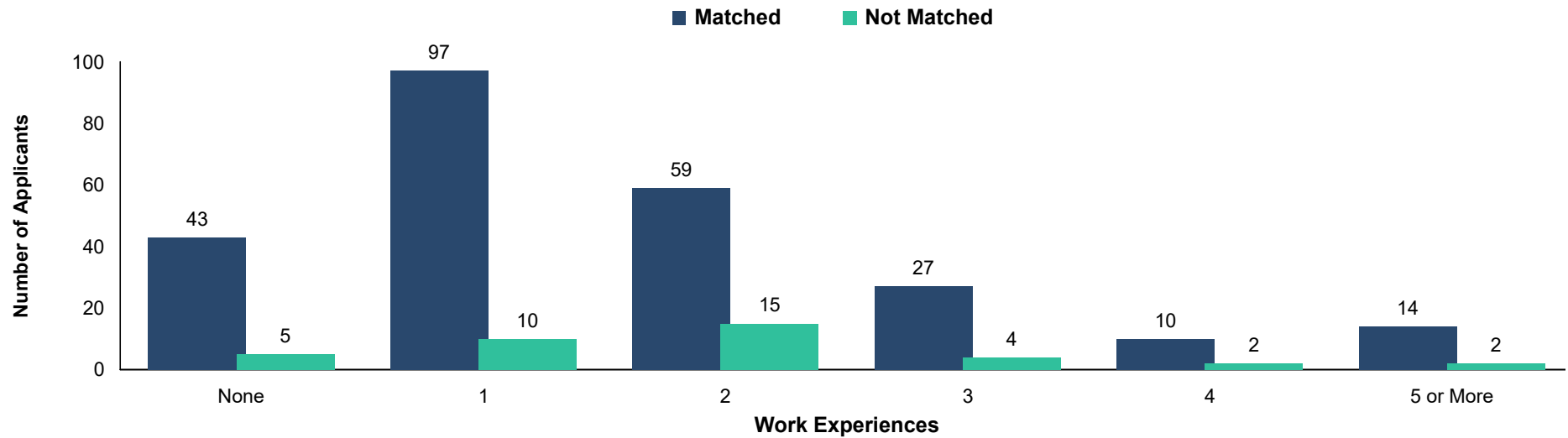
**Chart  
IP-6**

**Number of Abstracts, Presentations, and Publications of U.S. MD Seniors**  
*Internal Medicine/Pediatrics*

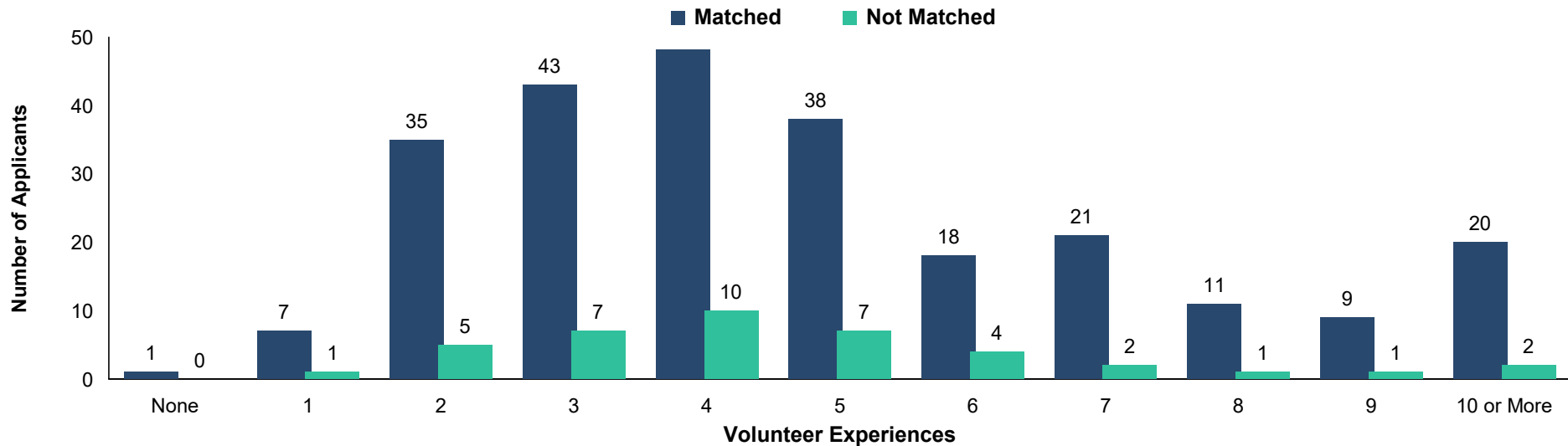


Source: NRMP Data Warehouse

**Chart IP-7** Number of Work Experiences of U.S. MD Seniors  
*Internal Medicine/Pediatrics*

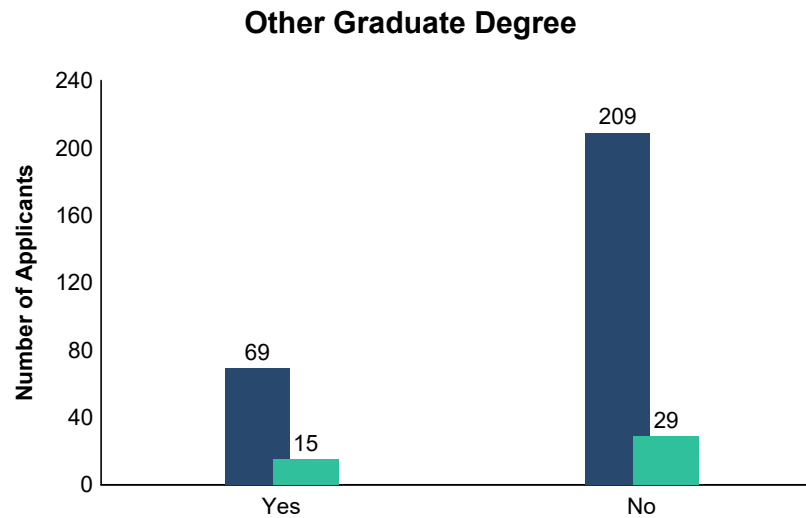
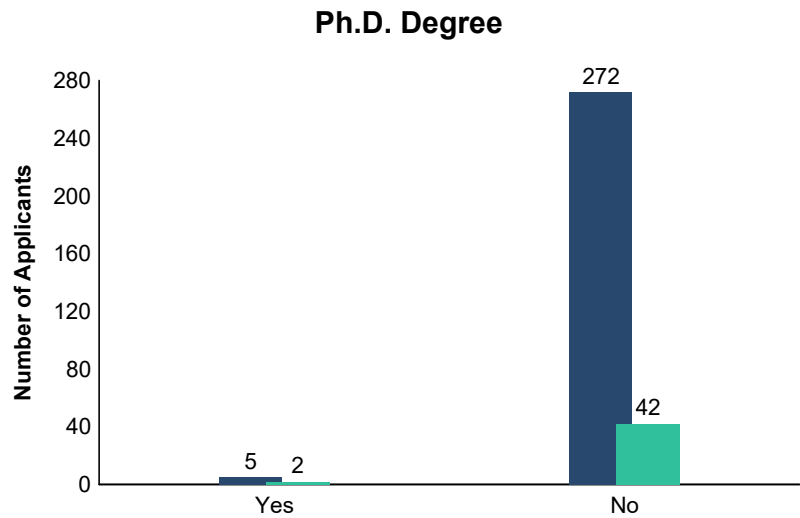
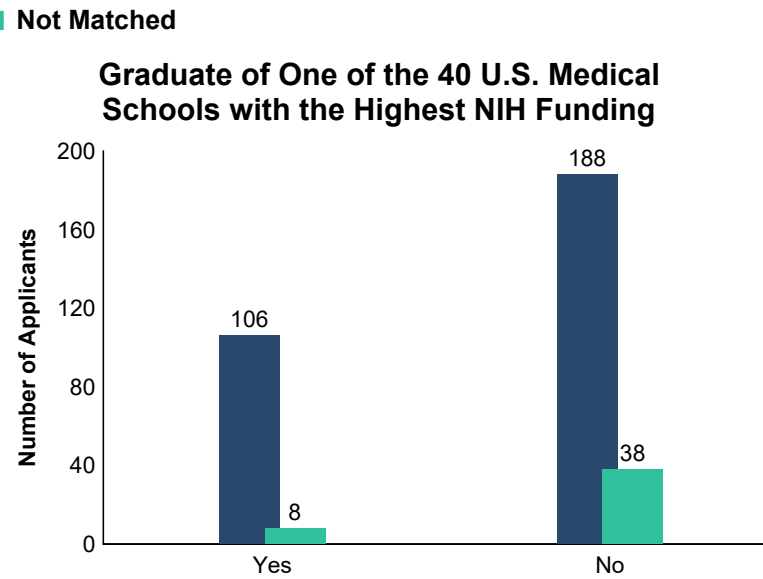
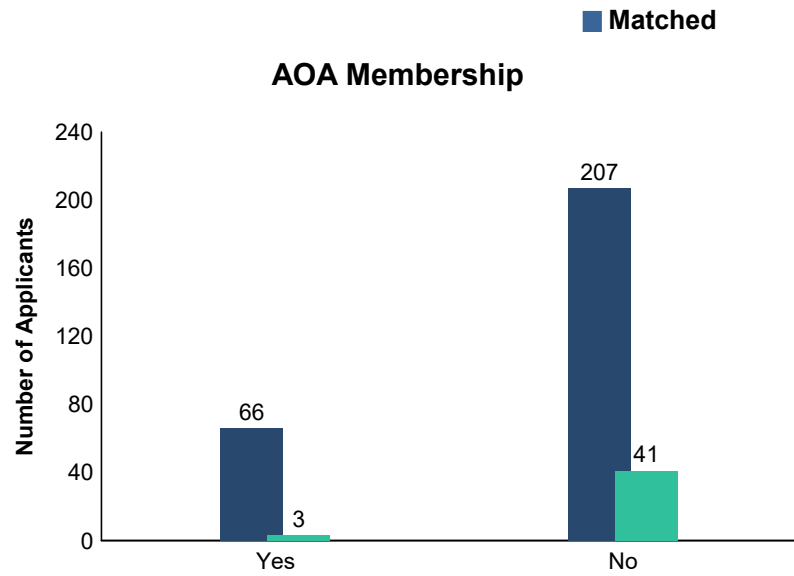


**Chart IP-8** Number of Volunteer Experiences of U.S. MD Seniors  
*Internal Medicine/Pediatrics*



Source: NRMP Data Warehouse

**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>



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**IR** **Interventional Radiology**

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

| Measure   | Matched<br>(n=117) | Unmatched<br>(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                |

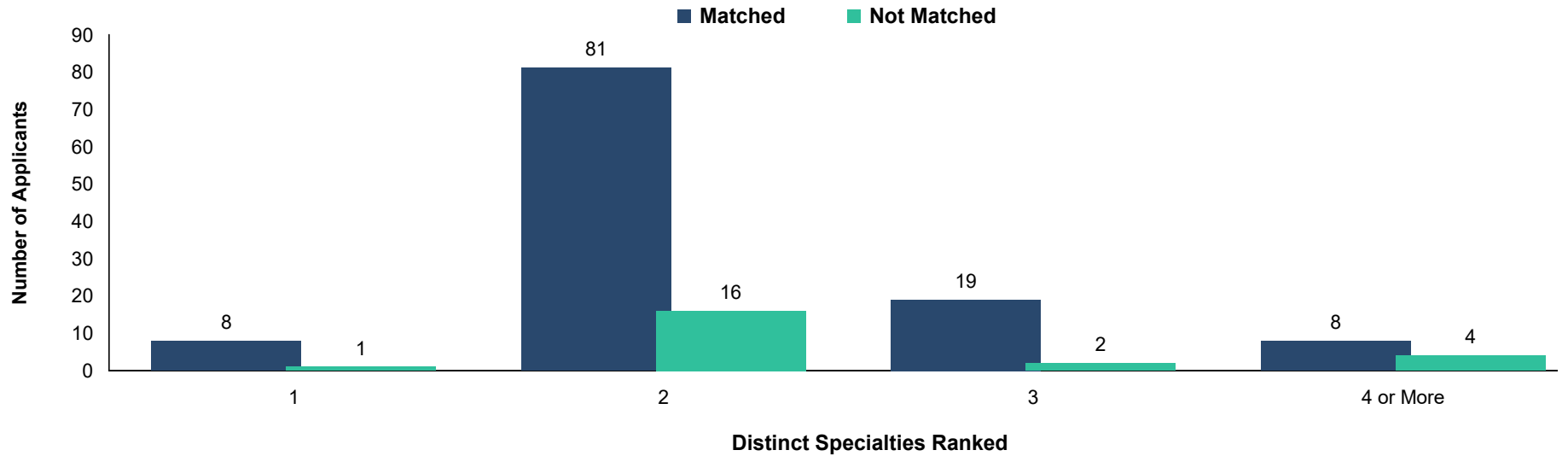
Note: Only U.S. MD seniors who gave consent to use their information in research are included.

\*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>).

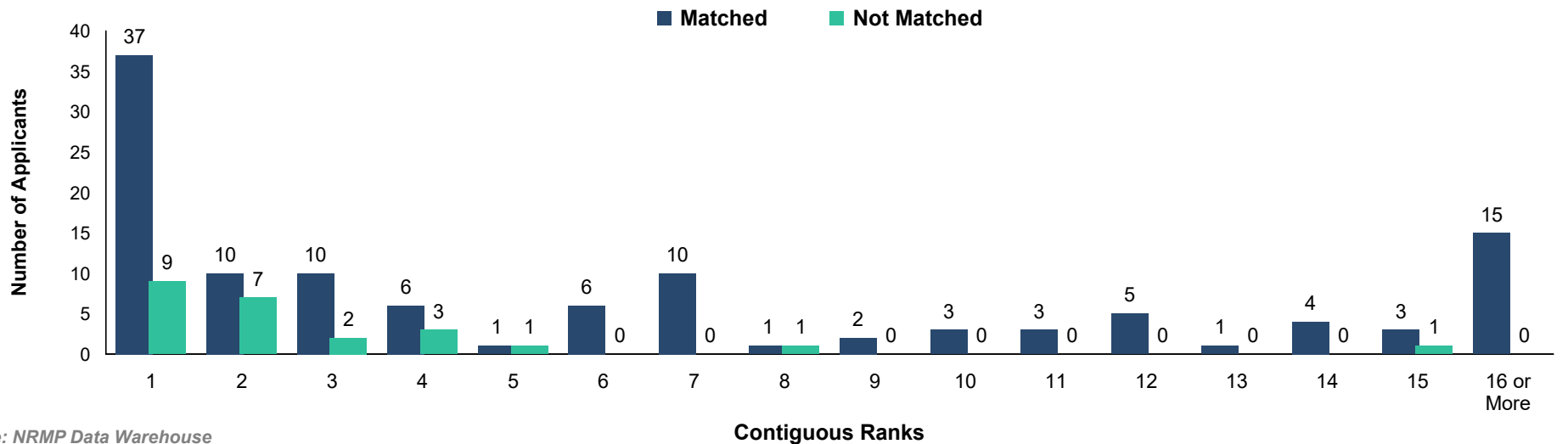
**Chart  
IR-1**

**Number of Distinct Specialties Ranked by U.S. MD Seniors  
*Interventional Radiology***



**Chart  
IR-2**

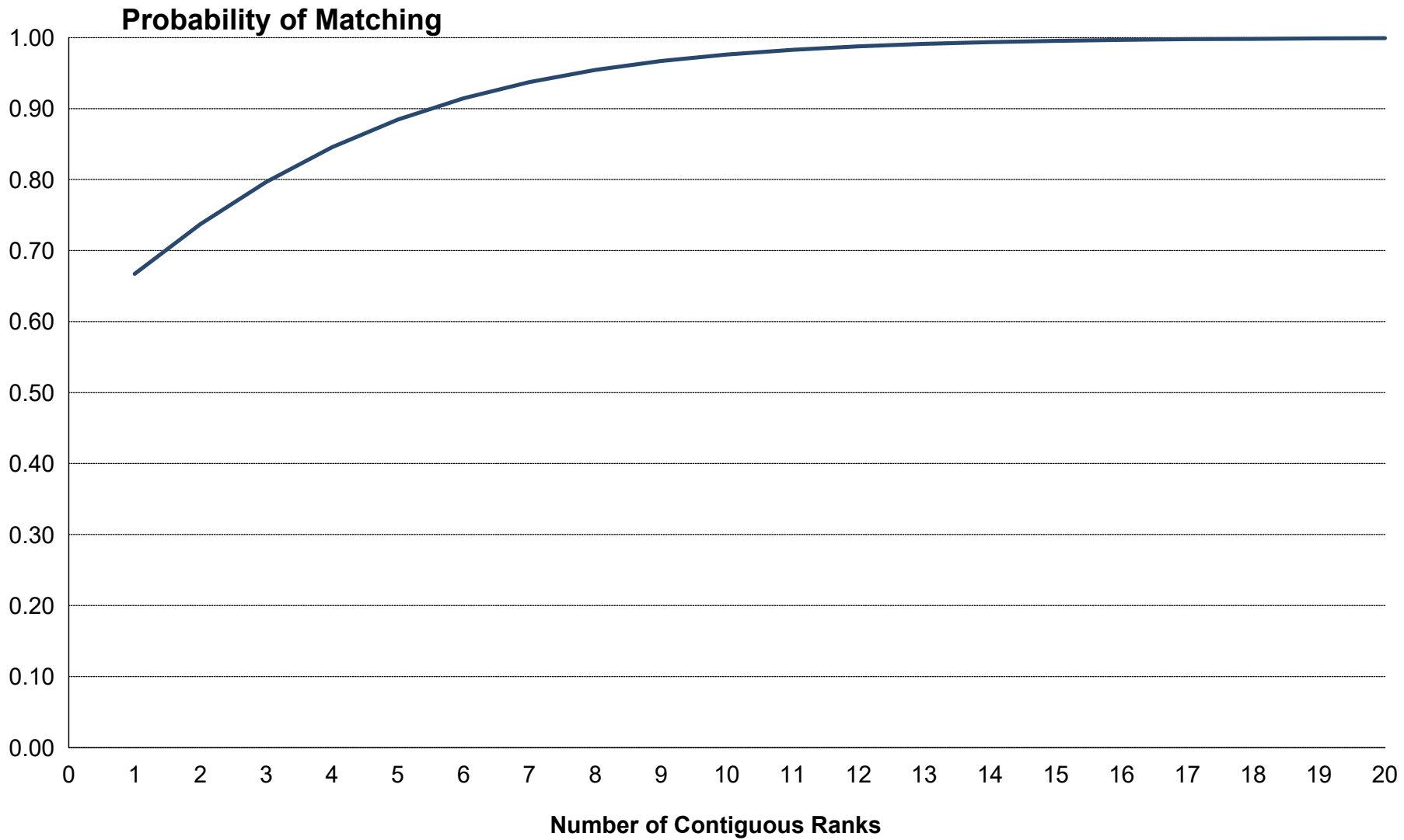
**Number of Contiguous Ranks of U.S. MD Seniors  
*Interventional Radiology***



Source: NRMP Data Warehouse

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

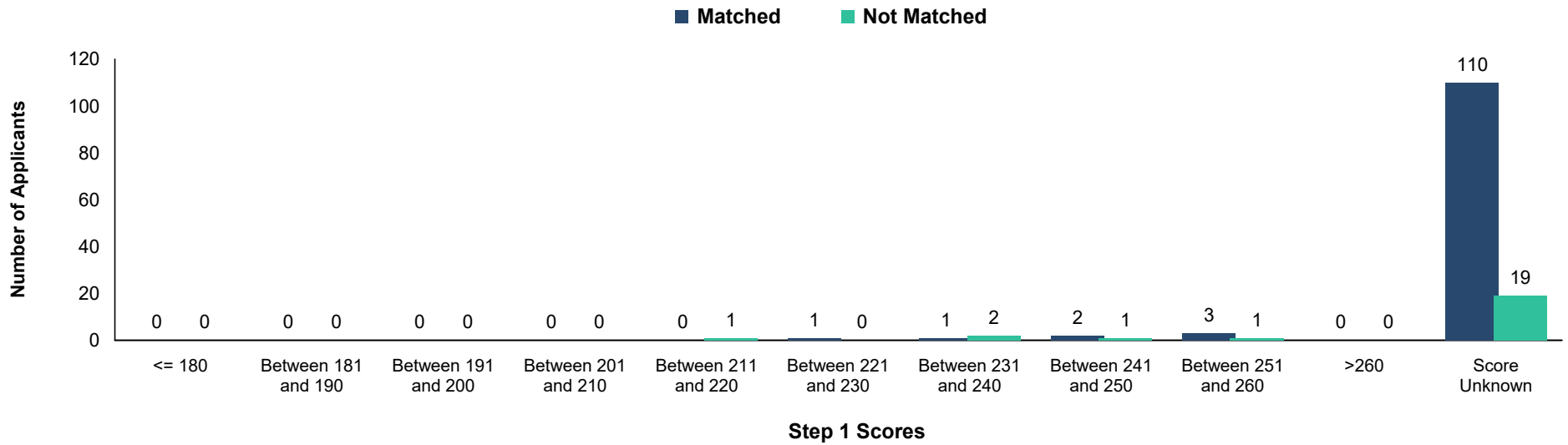
*Interventional Radiology*



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

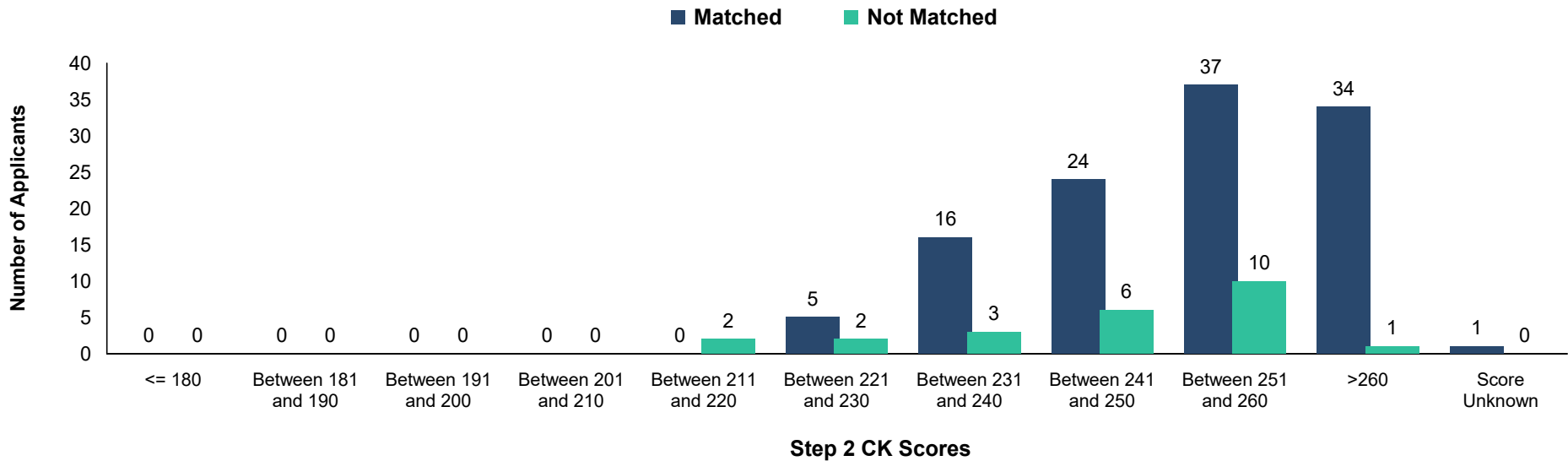
**Chart  
IR-3**

**USMLE Step 1 Scores of U.S. MD Seniors  
Interventional Radiology**



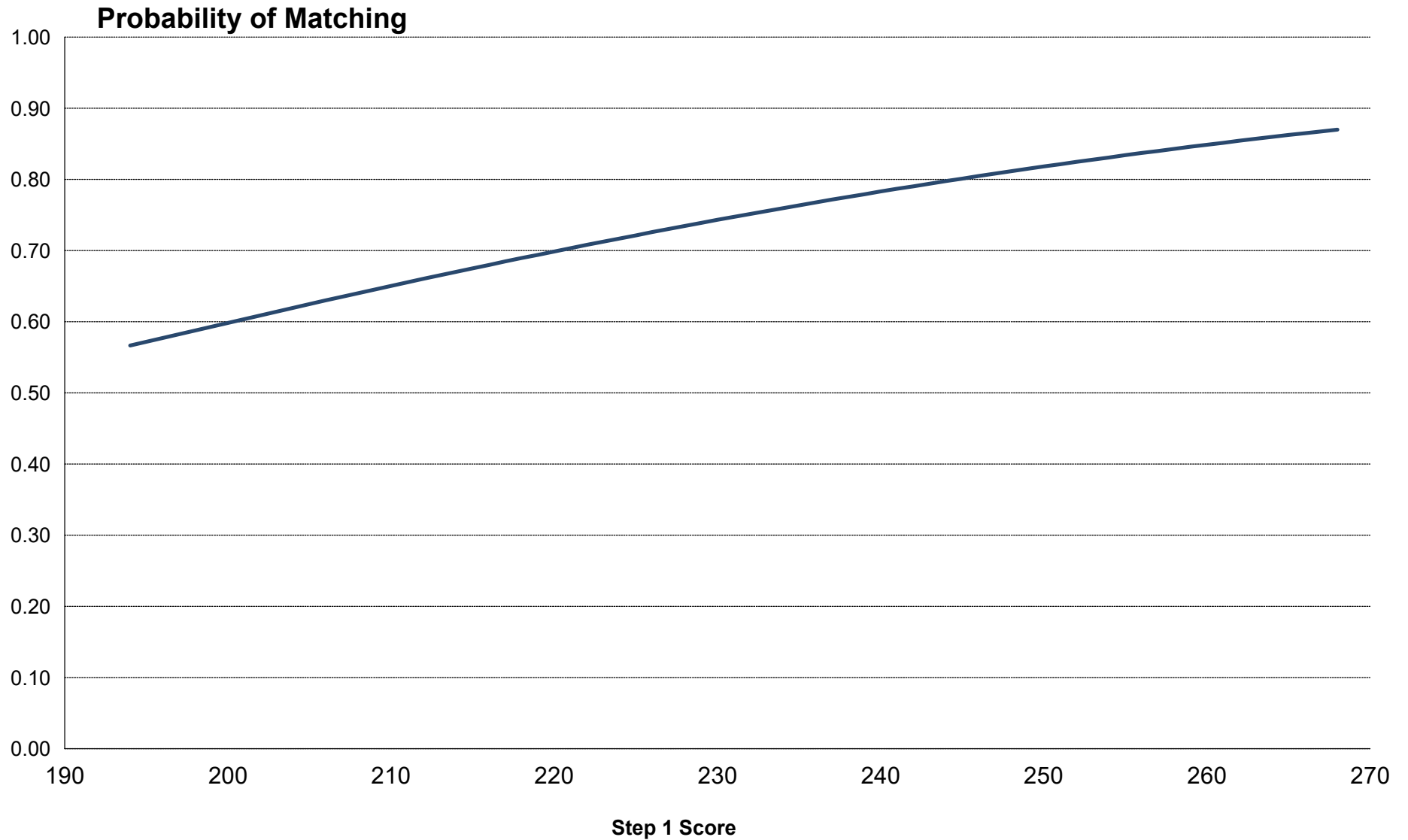
**Chart  
IR-4**

**USMLE Step 2 CK Scores of U.S. MD Seniors  
Interventional Radiology**



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

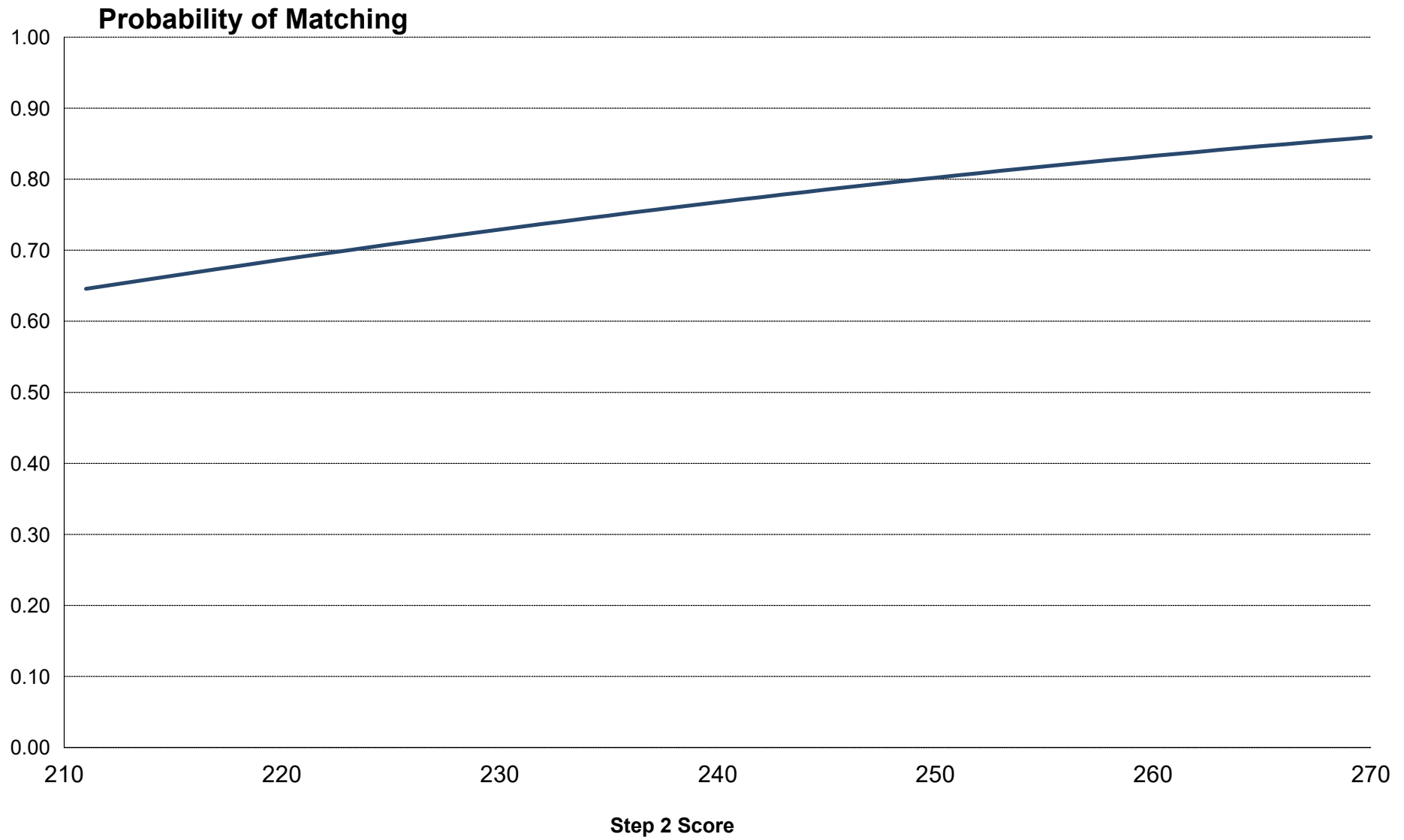
## *Interventional Radiology*



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

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

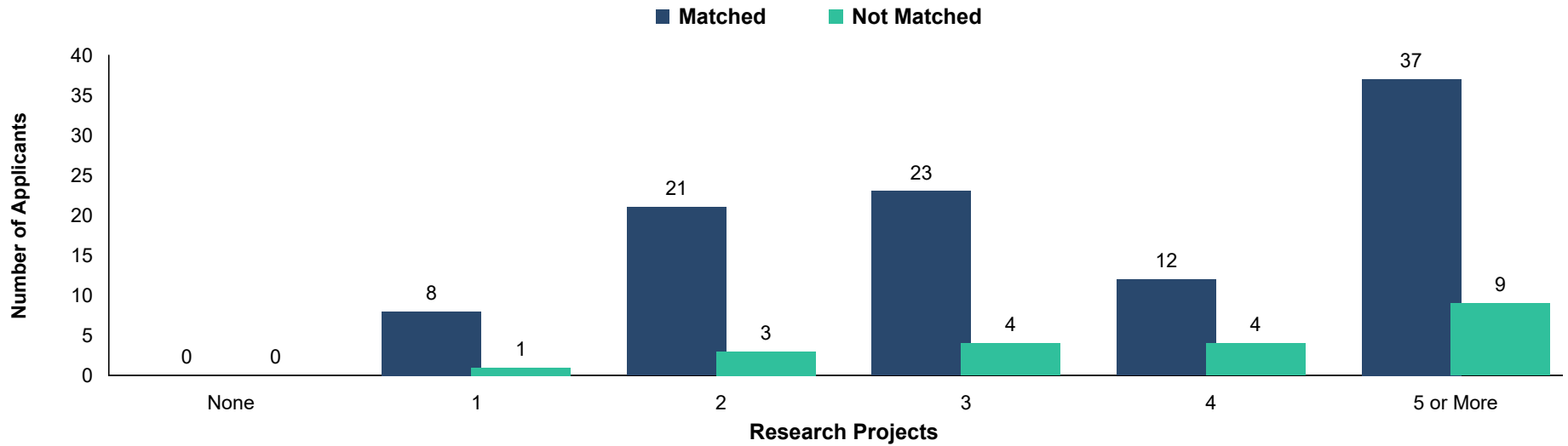
## *Interventional Radiology*



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

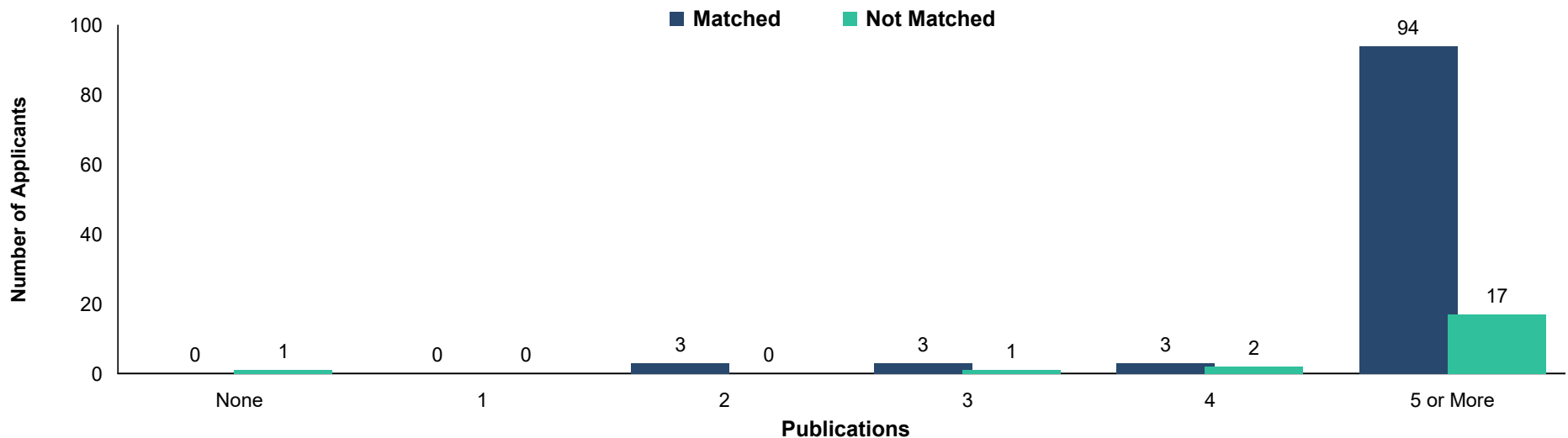
**Chart  
IR-5**

**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***

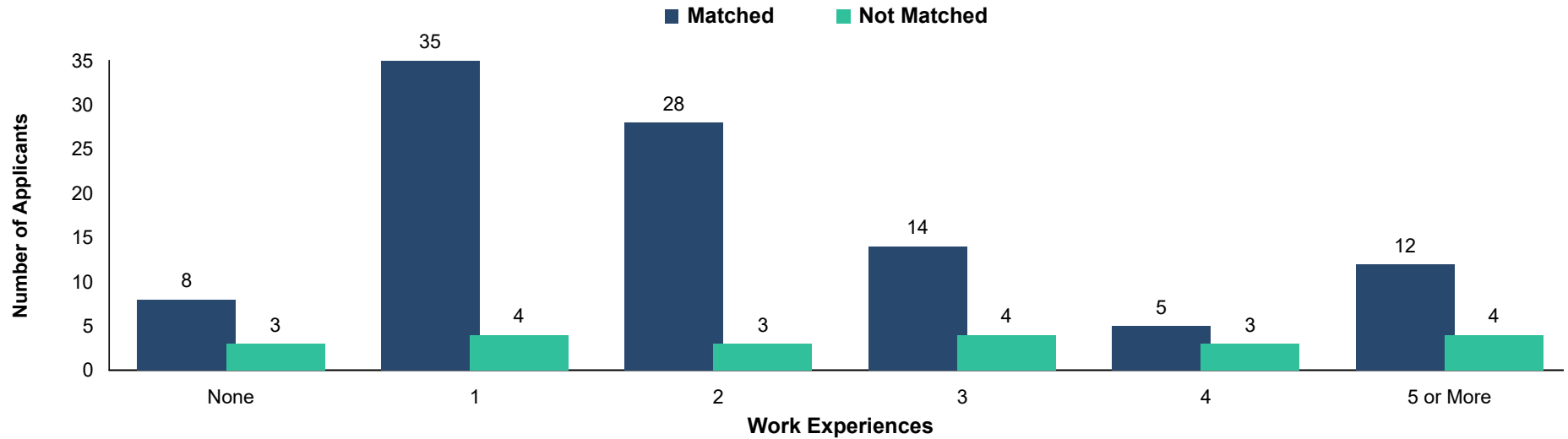


Source: NRMP Data Warehouse



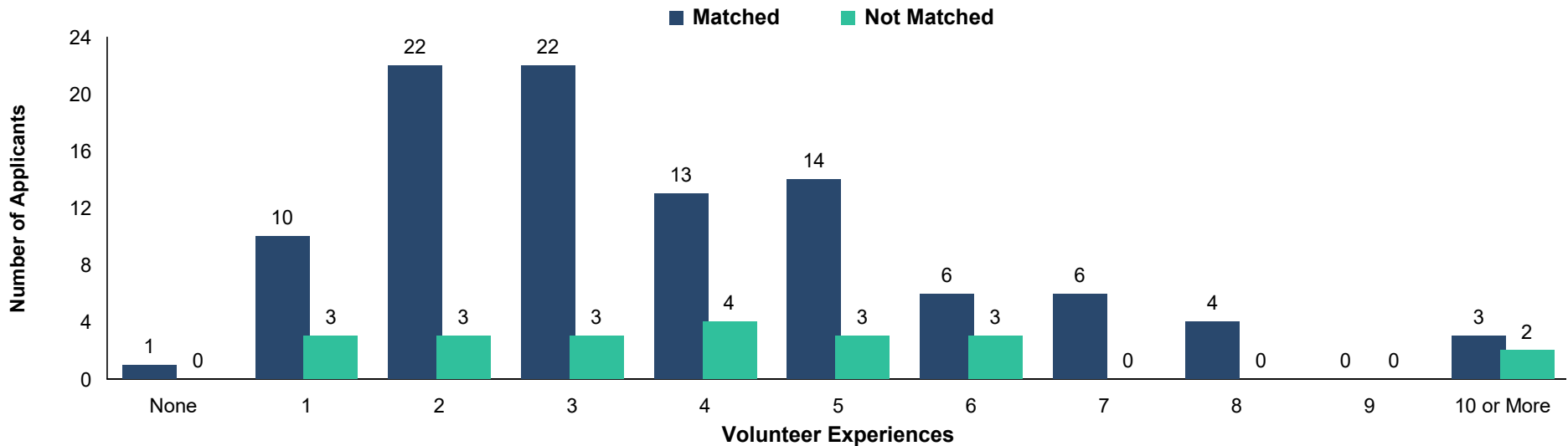
**Chart  
IR-7**

**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**

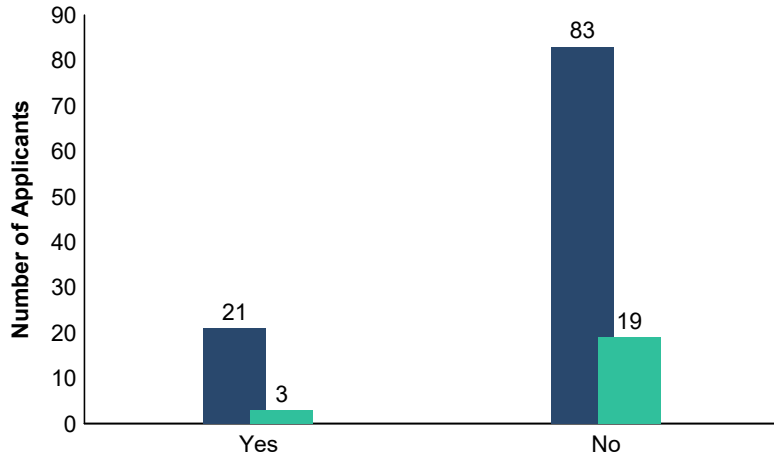


Source: NRMP Data Warehouse

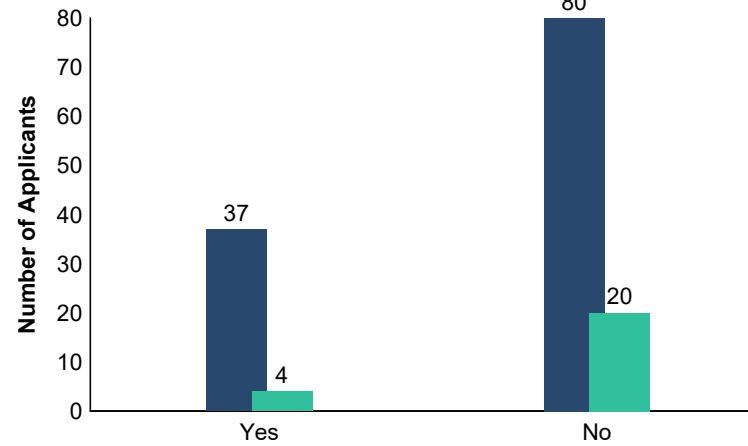
**Other Characteristics of U.S. MD Seniors**  
*Interventional Radiology*

■ Matched      ■ Not Matched

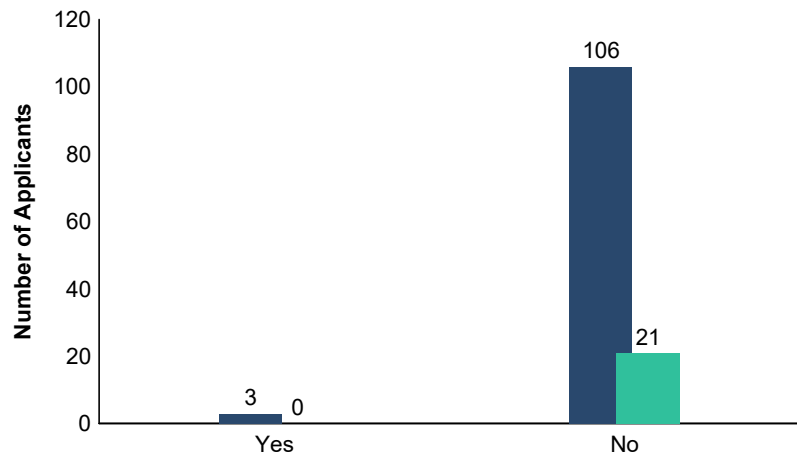
**AOA Membership**



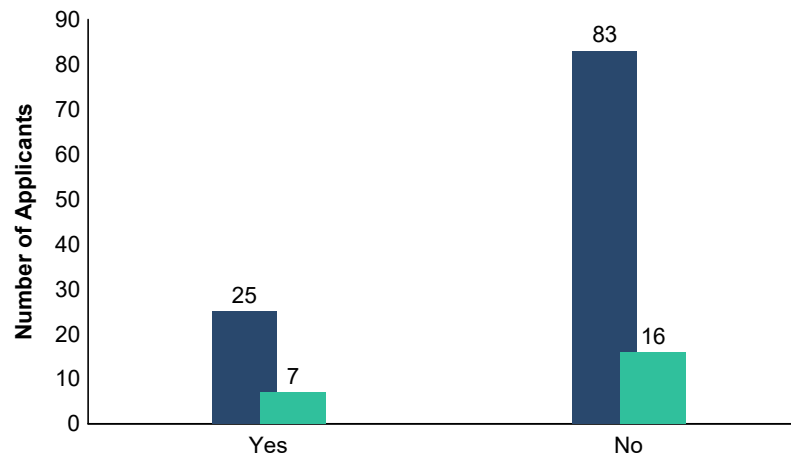
**Graduate of One of the 40 U.S. Medical Schools with the Highest NIH Funding**



**Ph.D. Degree**



**Other Graduate Degree**



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

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**NS** Neurological Surgery

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

| Measure   | Matched<br>(n=161) | Unmatched<br>(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                |

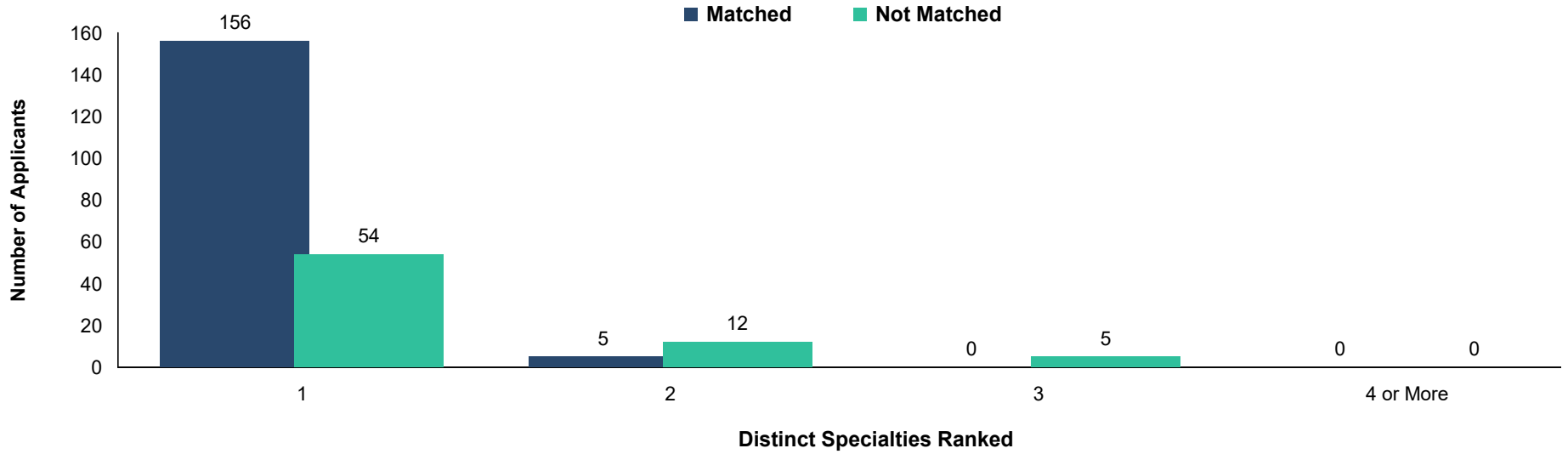
Note: Only U.S. MD seniors who gave consent to use their information in research are included.

\*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>).

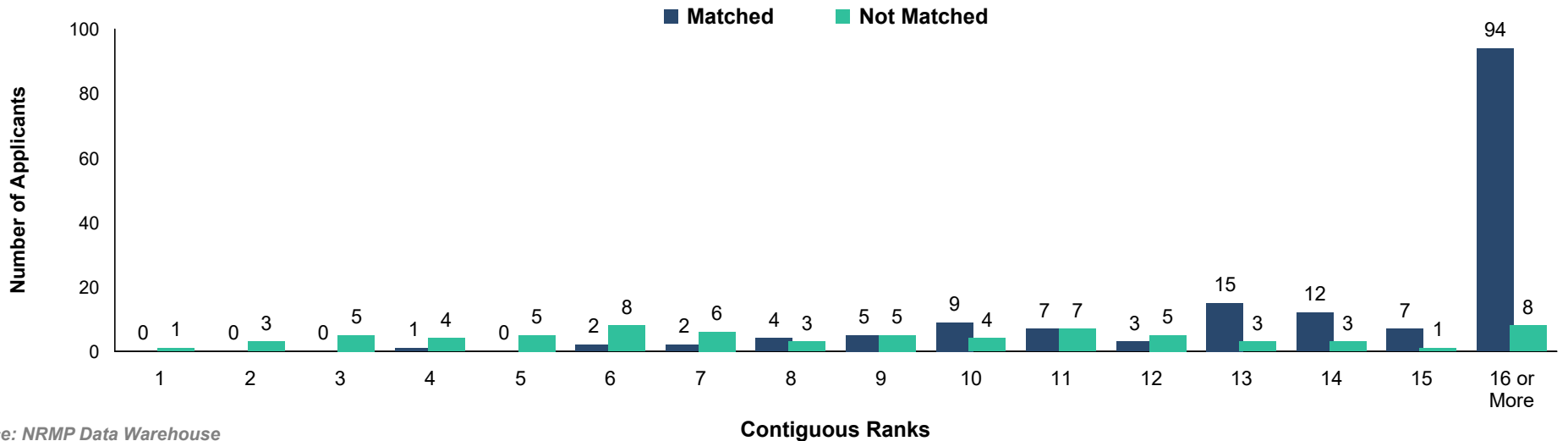
**Chart  
NS-1**

**Number of Distinct Specialties Ranked by U.S. MD Seniors  
Neurological Surgery**



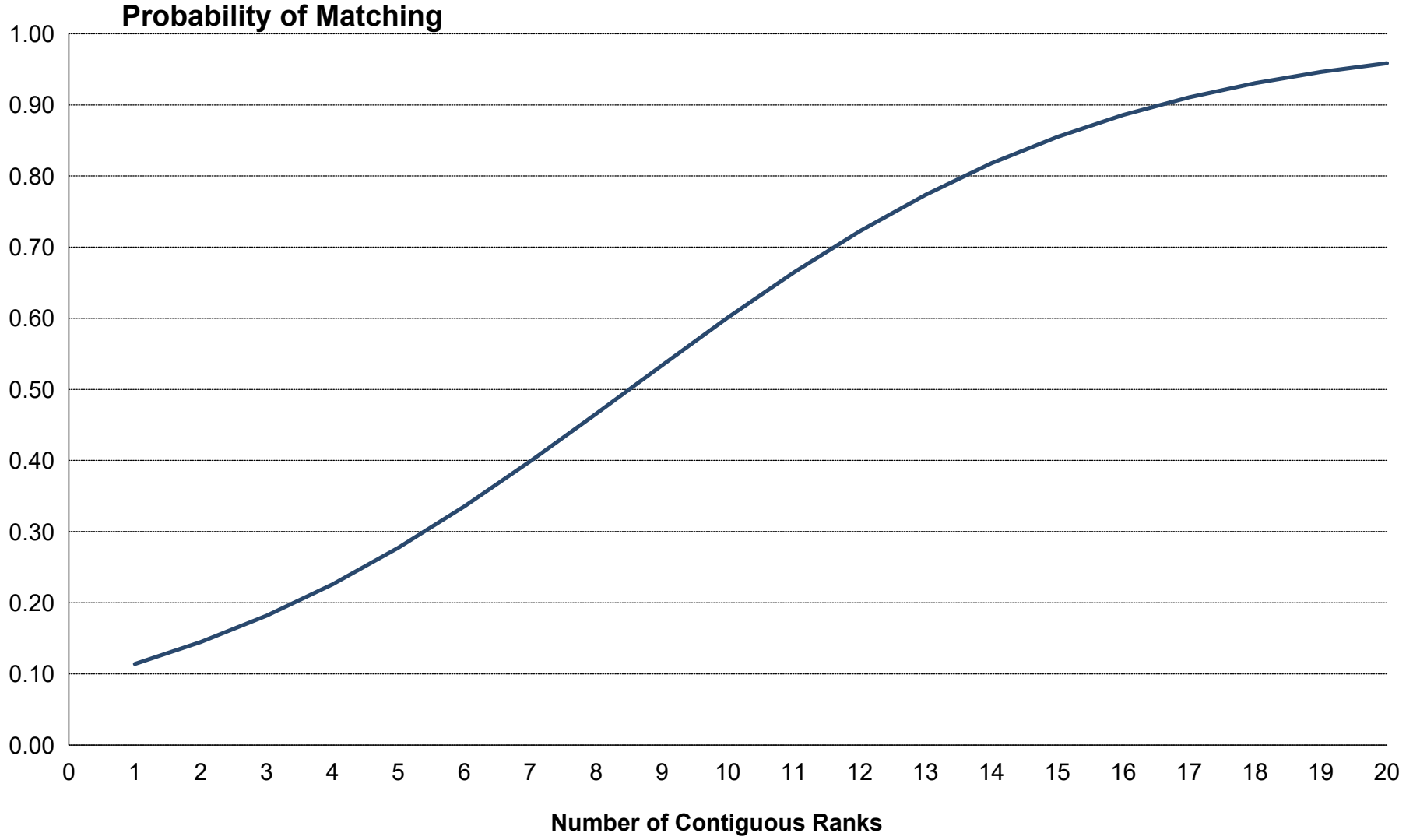
**Chart  
NS-2**

**Number of Contiguous Ranks of U.S. MD Seniors  
Neurological Surgery**



Source: NRMP Data Warehouse

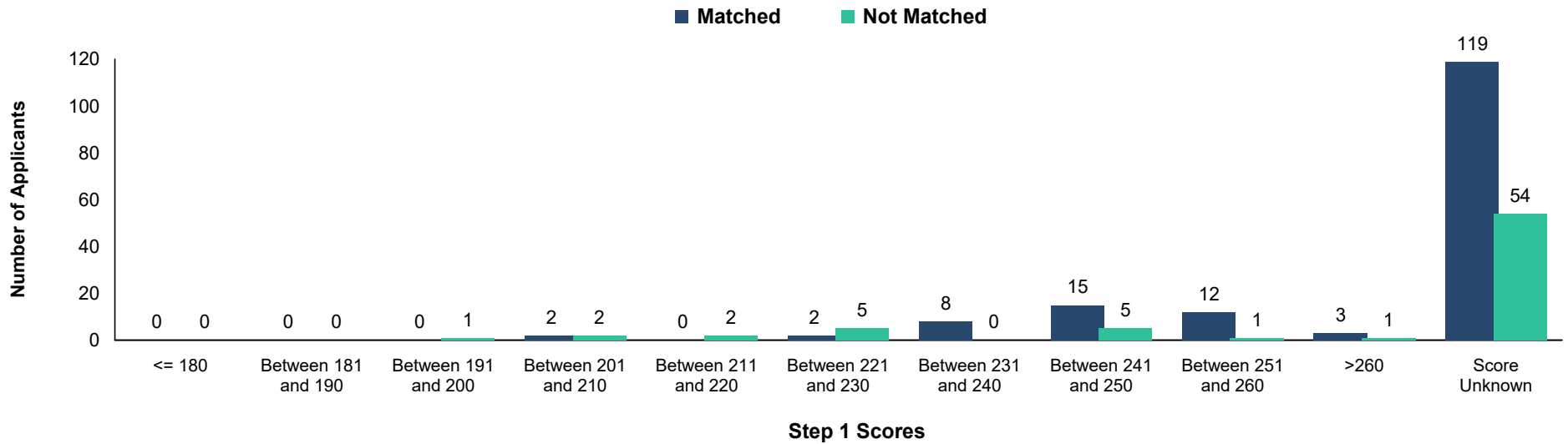
**Probability of U.S. MD Seniors Matching to Preferred Specialty by Number of Contiguous Ranks**  
*Neurological Surgery*



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

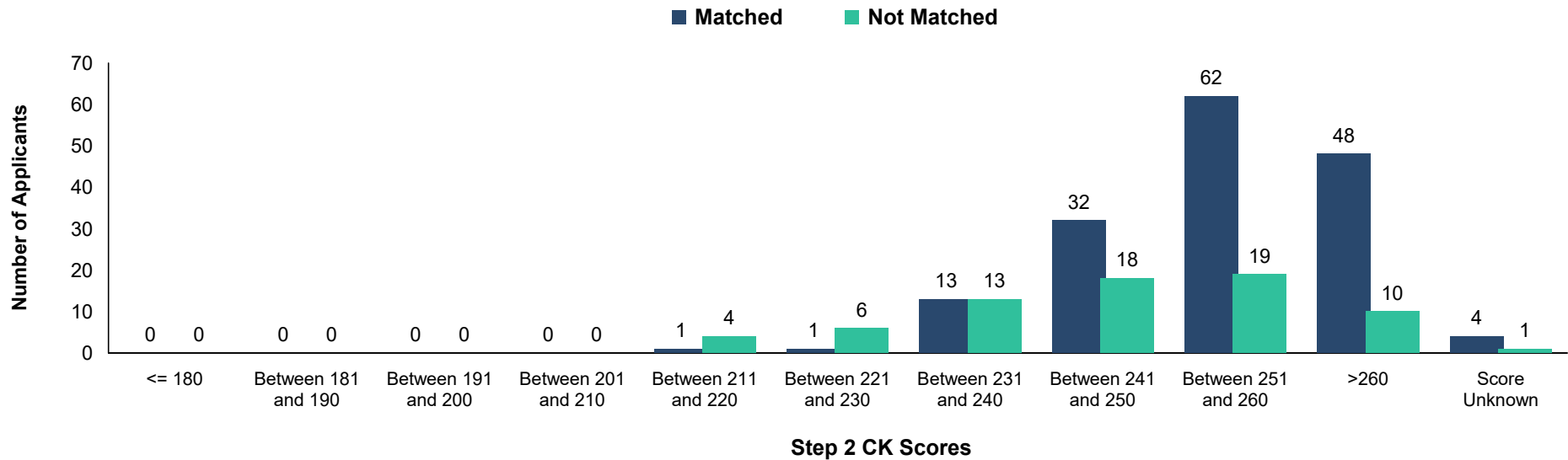
**Chart  
NS-3**

**USMLE Step 1 Scores of U.S. MD Seniors  
Neurological Surgery**



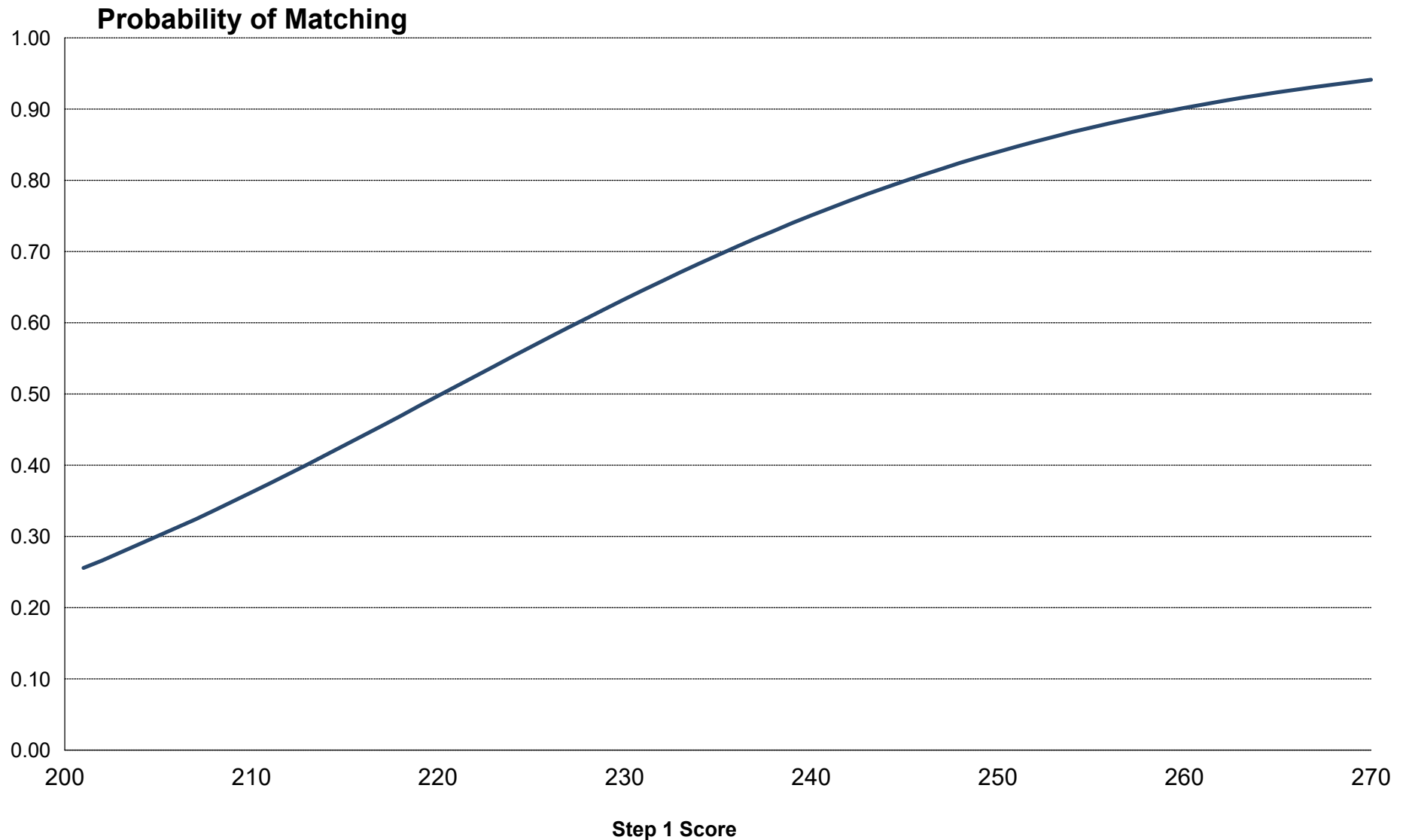
**Chart  
NS-4**

**USMLE Step 2 CK Scores of U.S. MD Seniors  
Neurological Surgery**



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

## Neurological Surgery

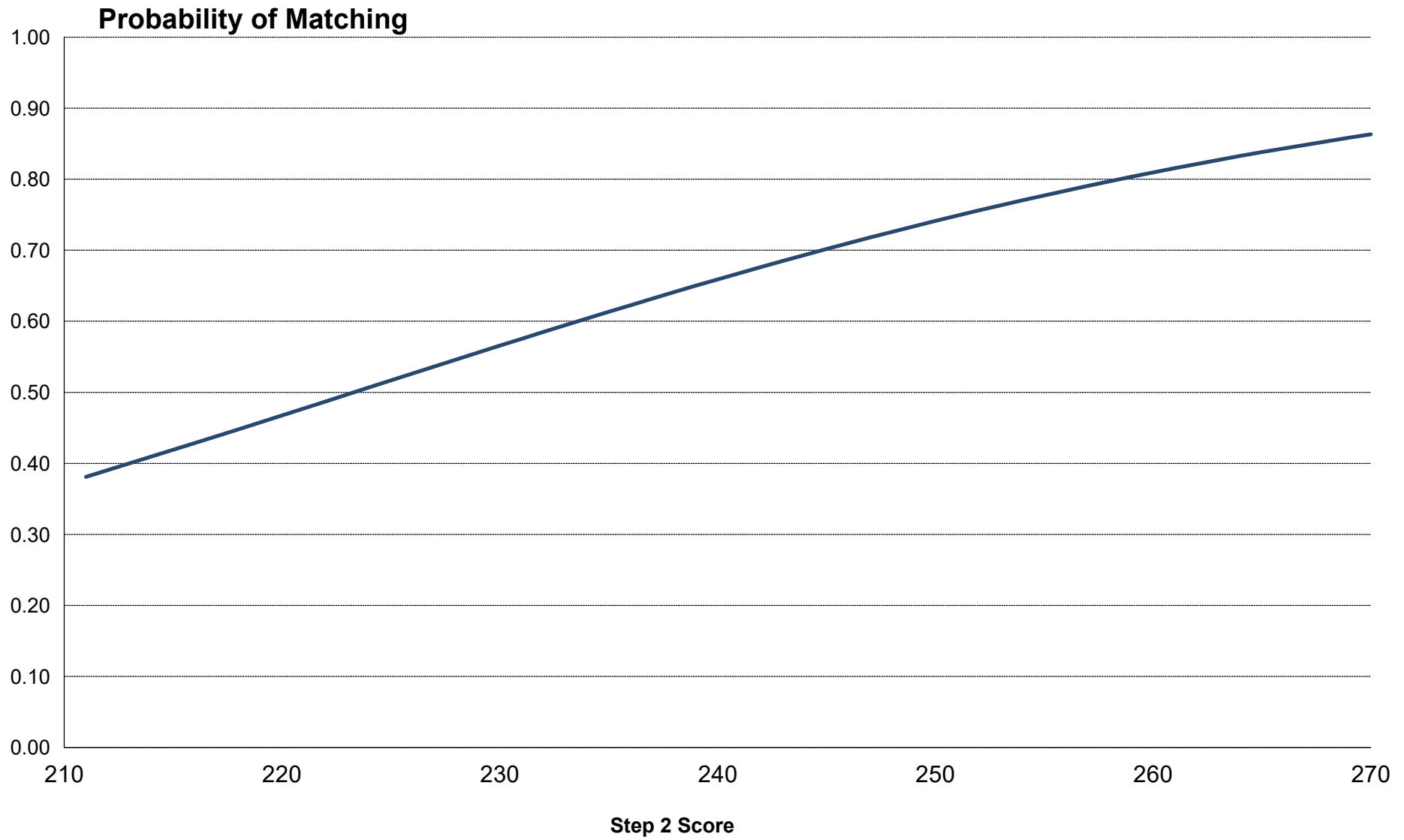


Source: NRMP Data Warehouse. Note: Probabilities calculated based on 2022-2024 applicants.



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

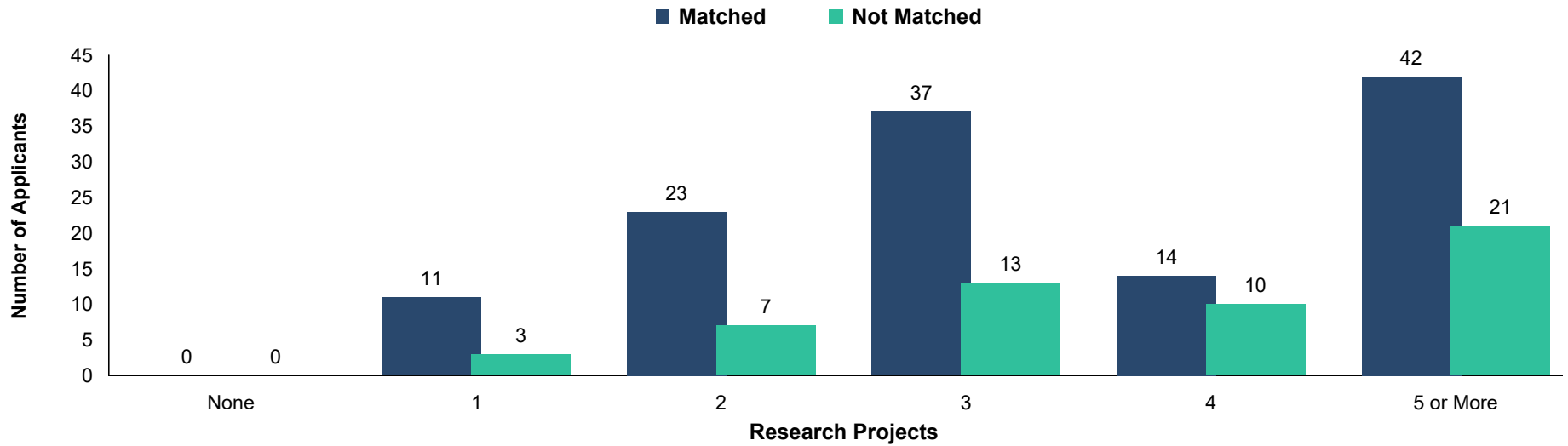
## Neurological Surgery



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

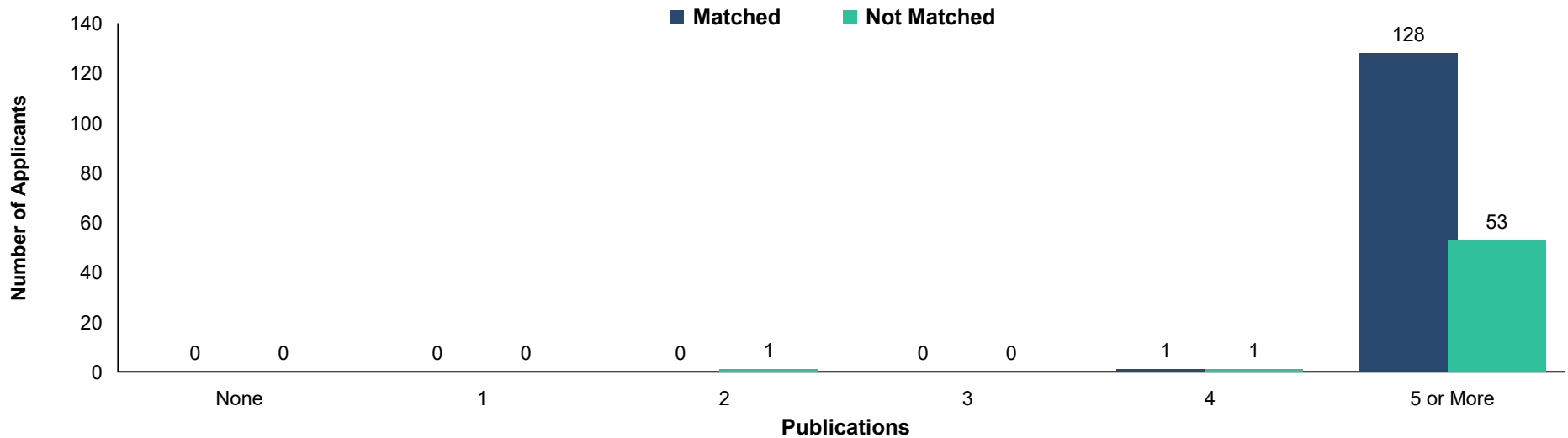
**Chart  
NS-5**

**Number of Research Projects of U.S. MD Seniors  
*Neurological Surgery***



**Chart  
NS-6**

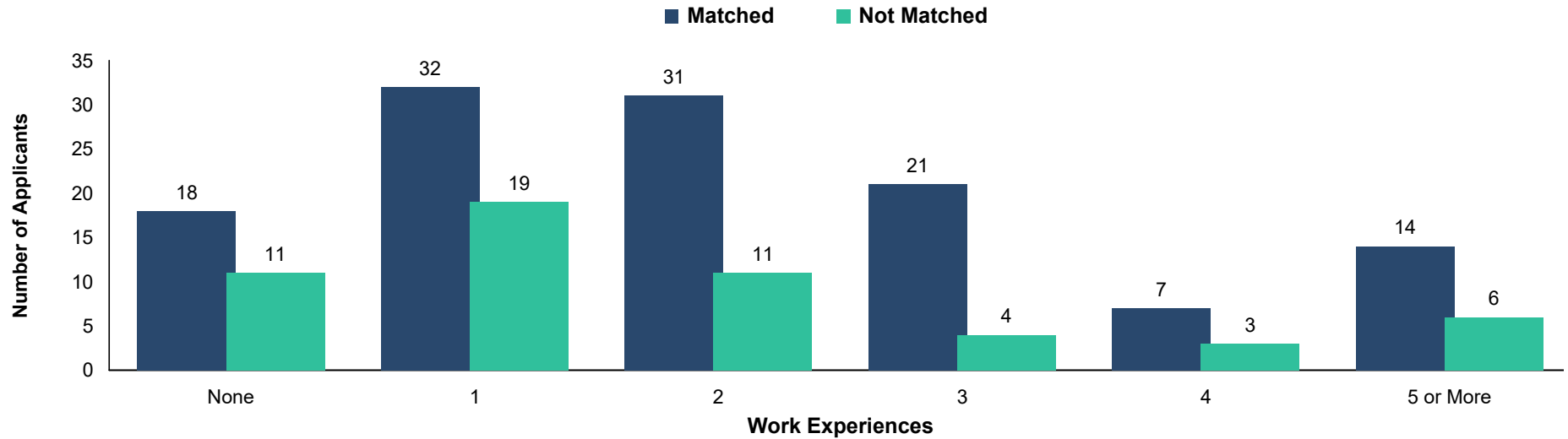
**Number of Abstracts, Presentations, and Publications of U.S. MD Seniors  
*Neurological Surgery***



Source: NRMP Data Warehouse

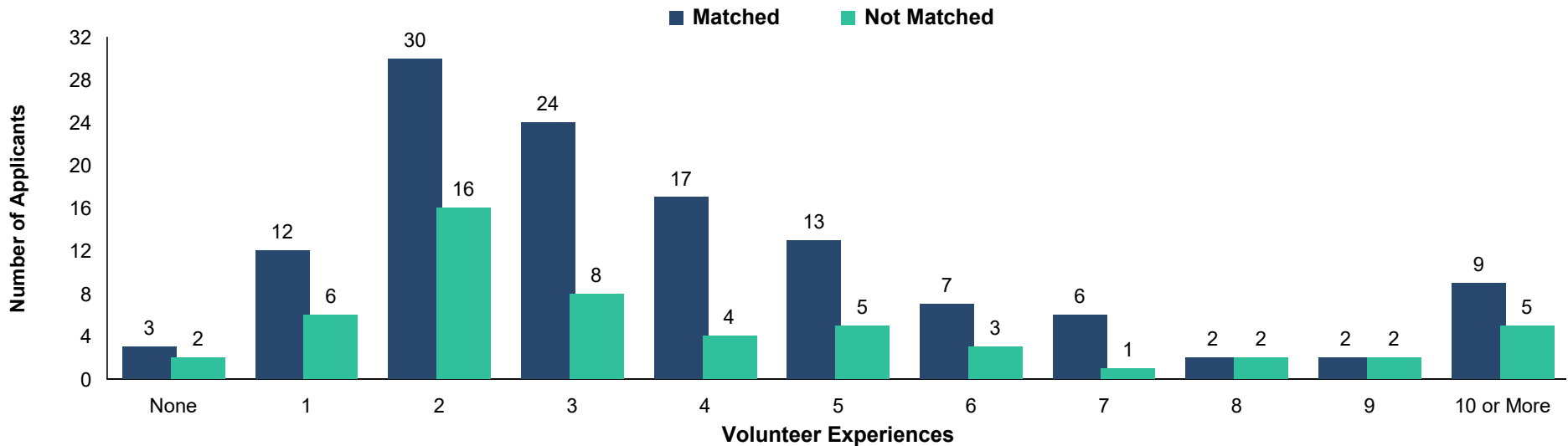
**Chart  
NS-7**

**Number of Work Experiences of U.S. MD Seniors  
*Neurological Surgery***



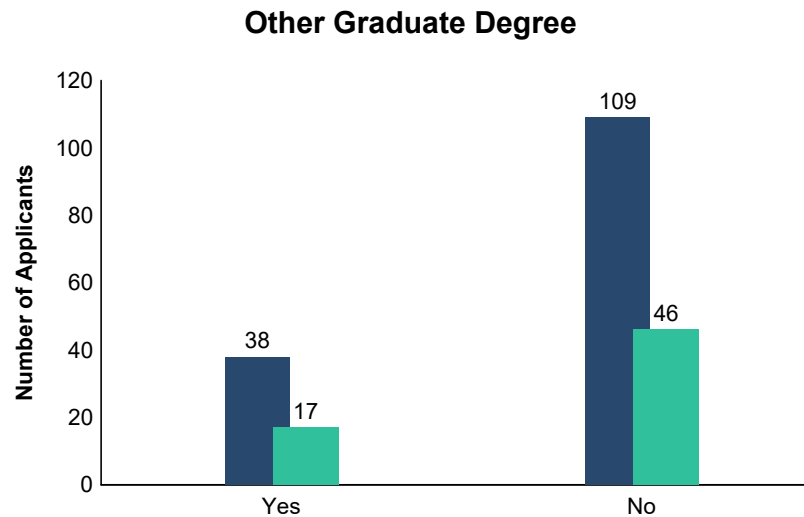
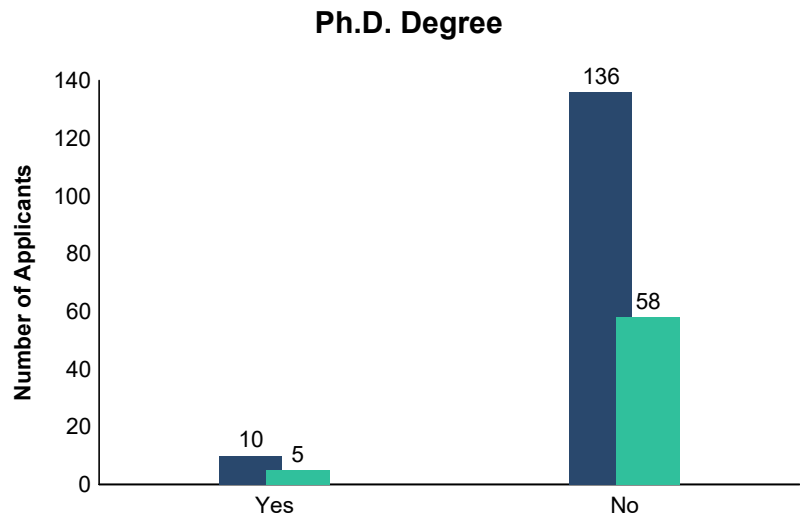
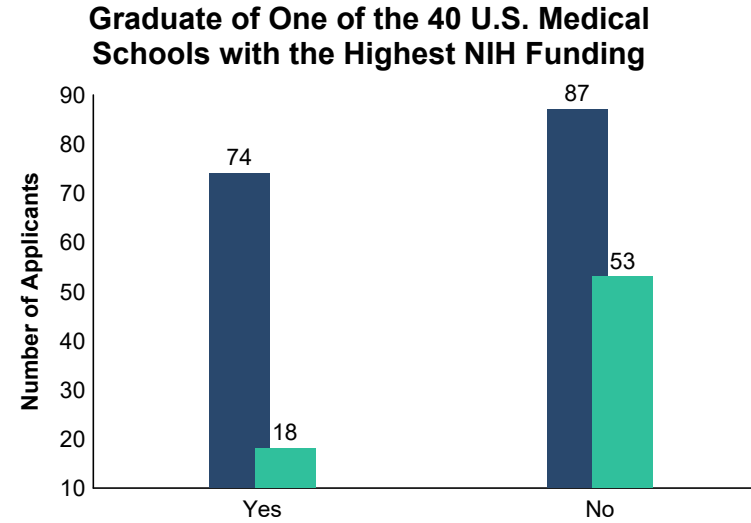
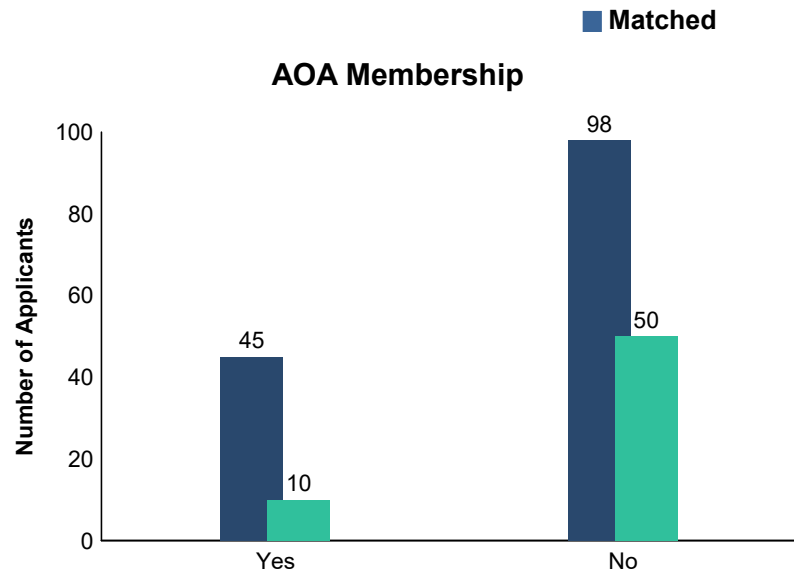
**Chart  
NS-8**

**Number of Volunteer Experiences of U.S. MD Seniors  
*Neurological Surgery***



Source: NRMP Data Warehouse

**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>

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**N** **Neurology**

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

| Measure   | Matched<br>(n=488) | Unmatched<br>(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                |

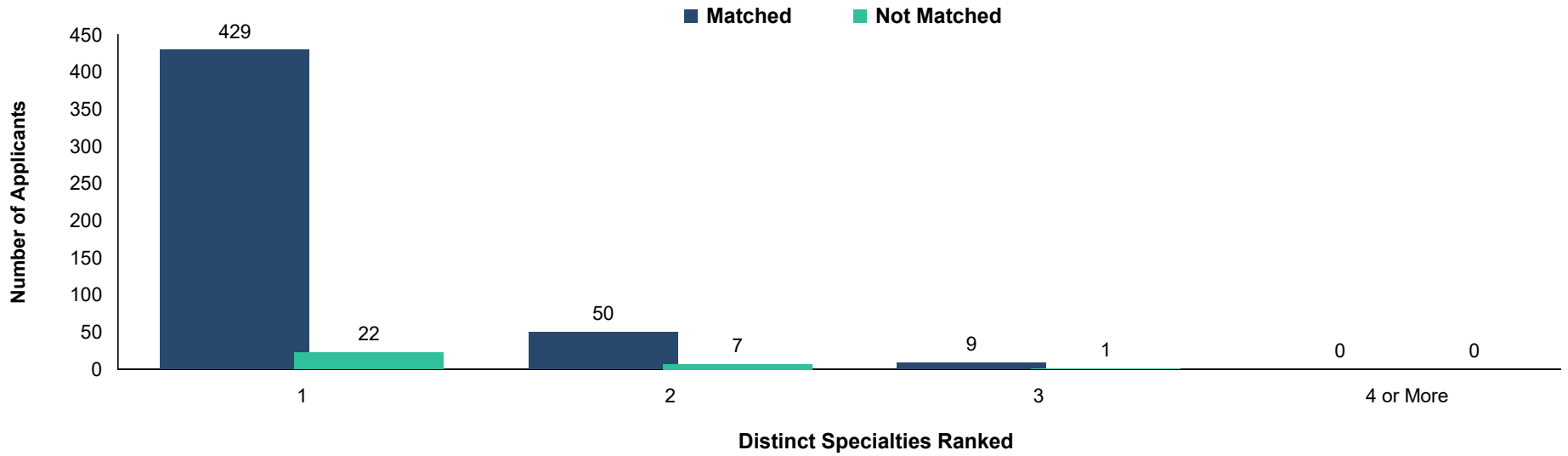
Note: Only U.S. MD seniors who gave consent to use their information in research are included.

\*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>).

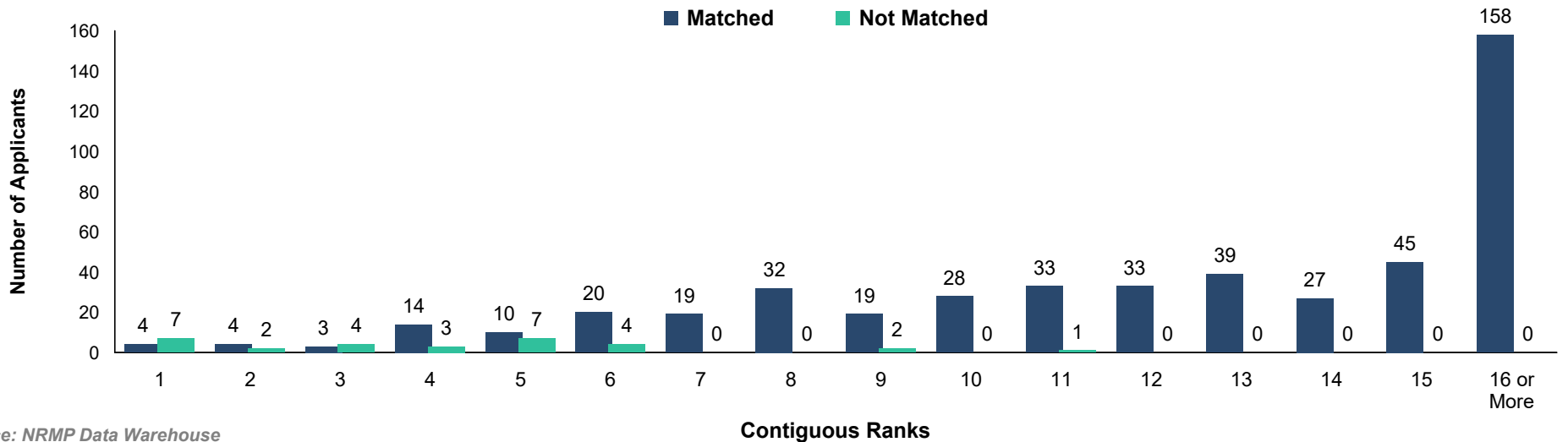
**Chart  
N-1**

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



**Chart  
N-2**

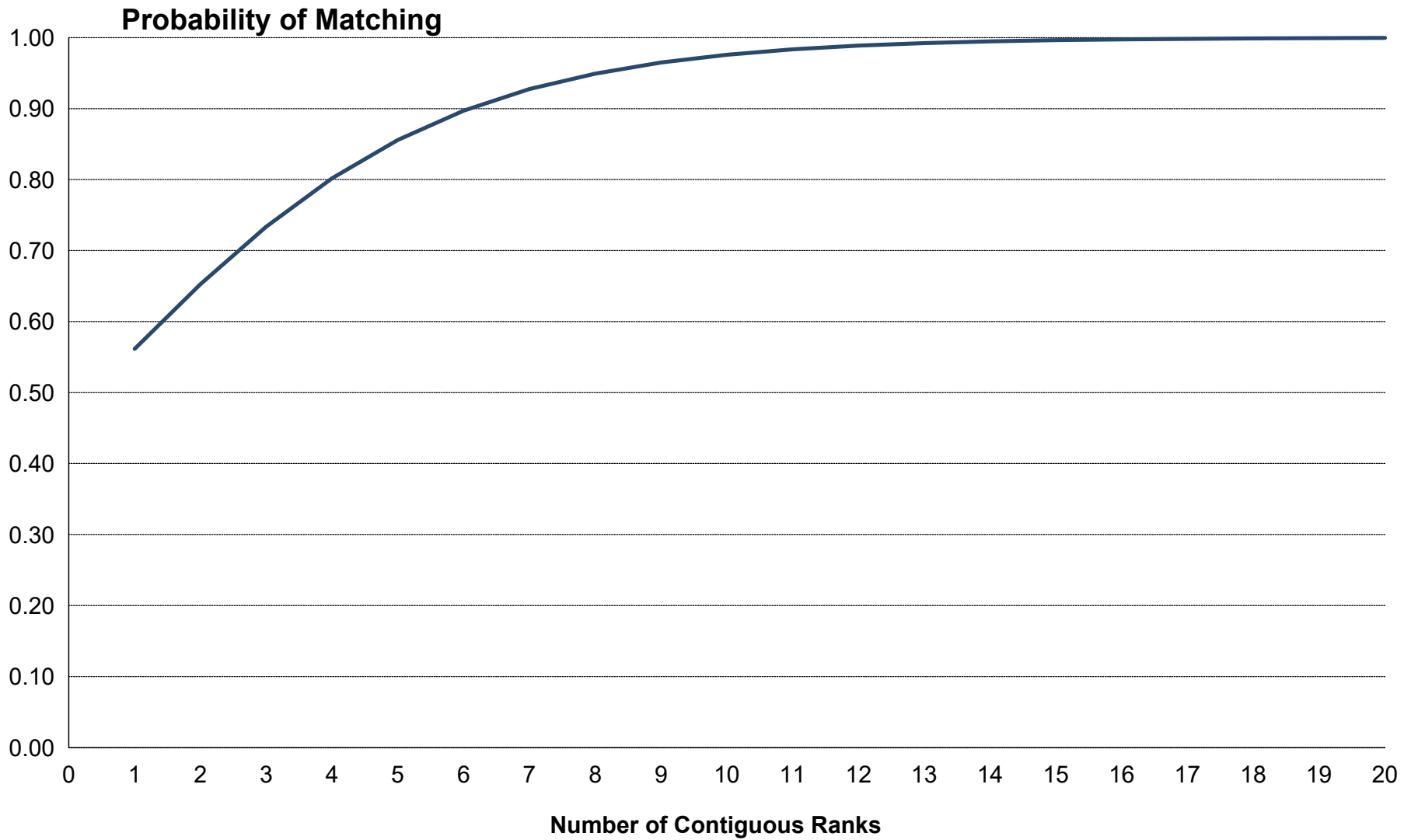
**Number of Contiguous Ranks of U.S. MD Seniors  
Neurology**



Source: NRMP Data Warehouse

**Graph  
N-1**

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

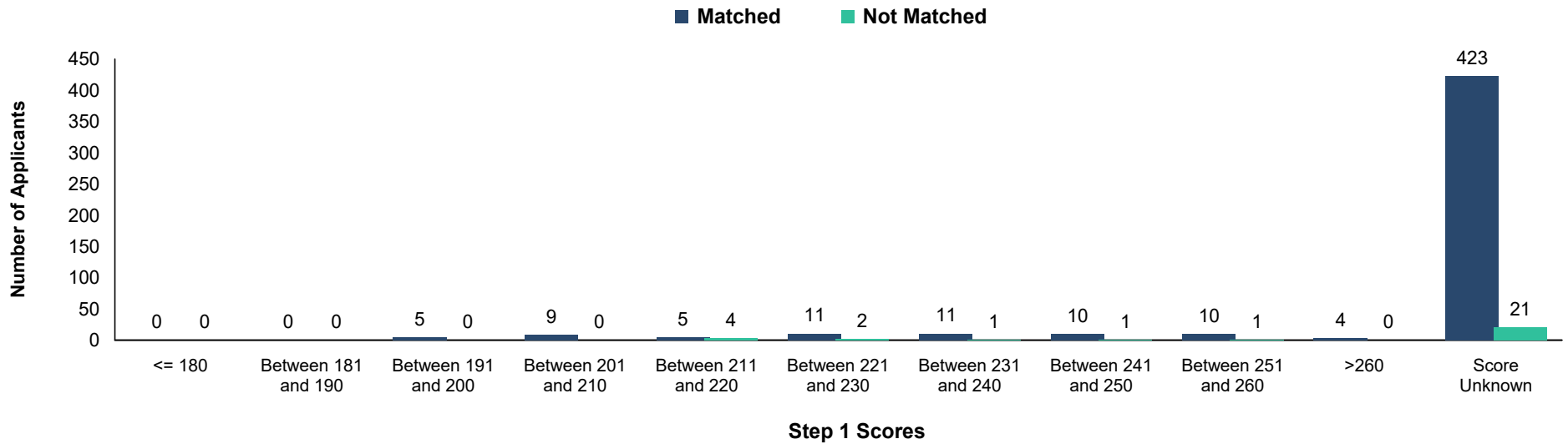


Source: NRMP Data Warehouse. Note: Probabilities calculated based on 2022-2024 applicants



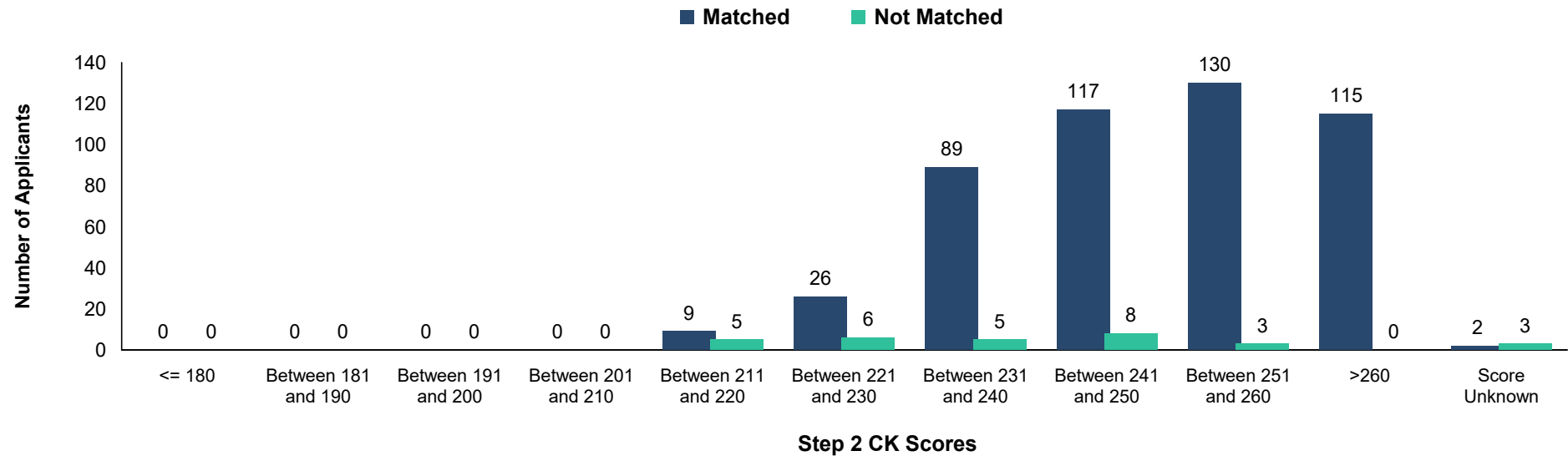
**Chart  
N-3**

**USMLE Step 1 Scores of U.S. MD Seniors  
*Neurology***



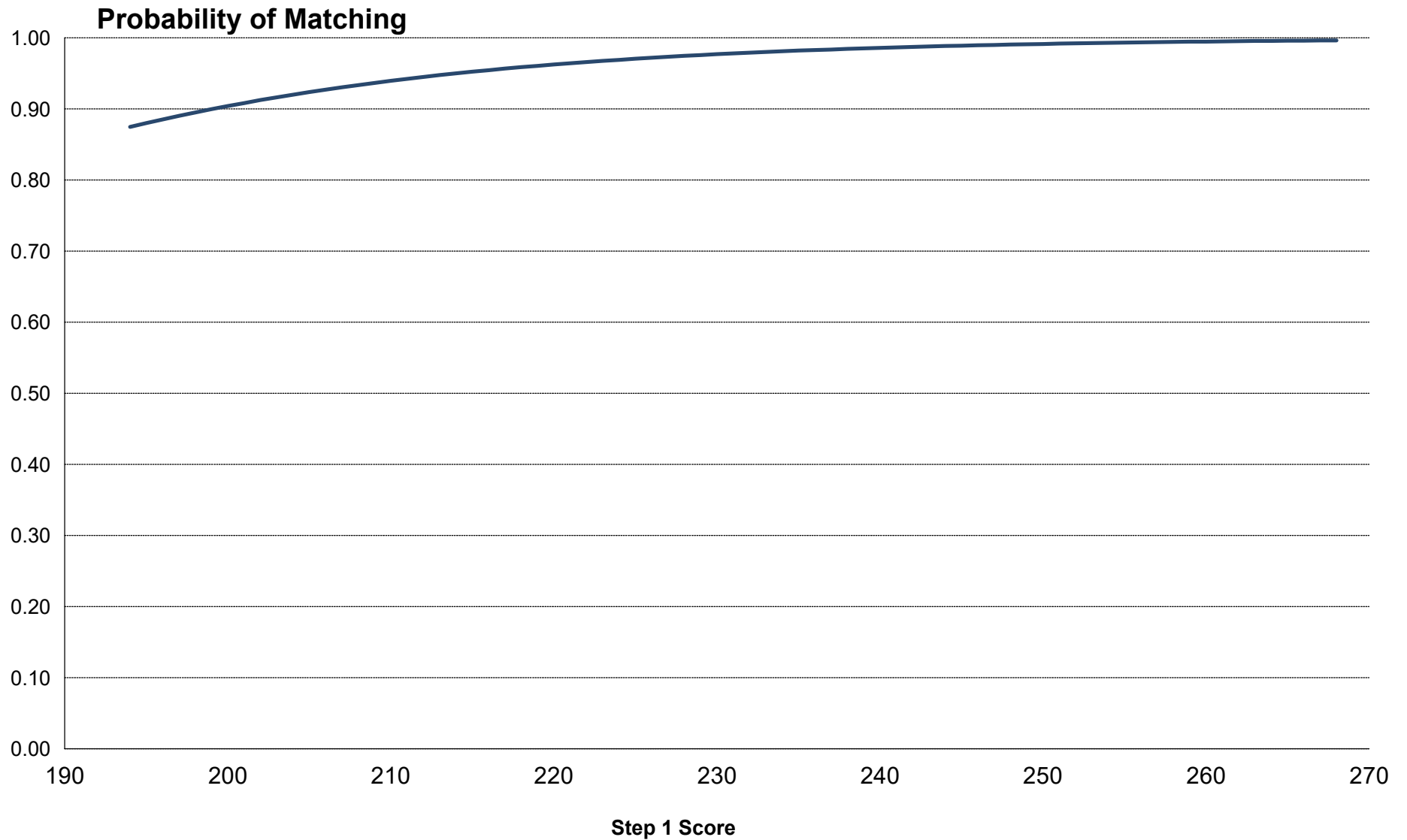
**Chart  
N-4**

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



**Graph  
N-2**

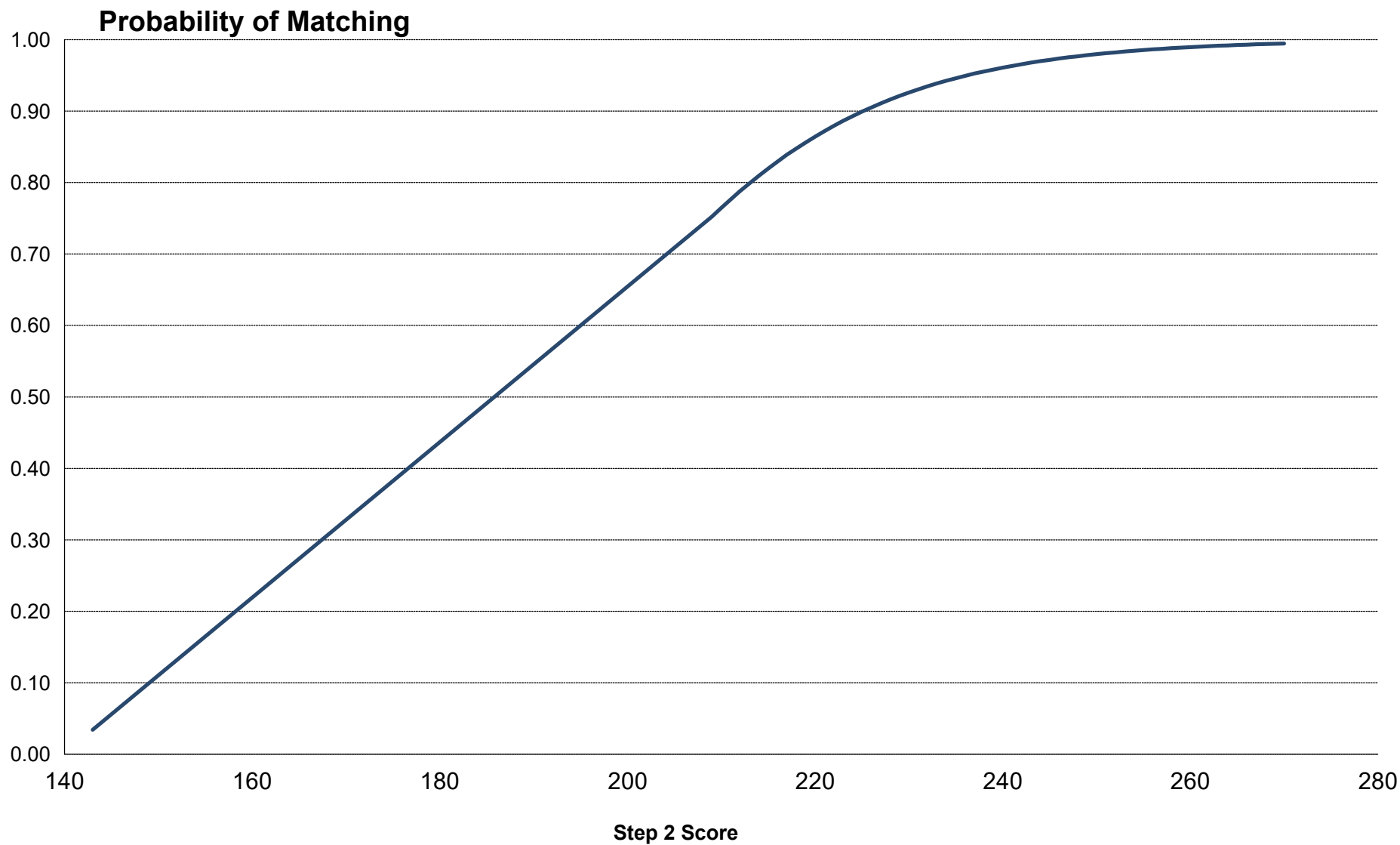
**Probability of U.S. MD Seniors Matching to Preferred Specialty by USMLE Step 1 Score**  
*Neurology*



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

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

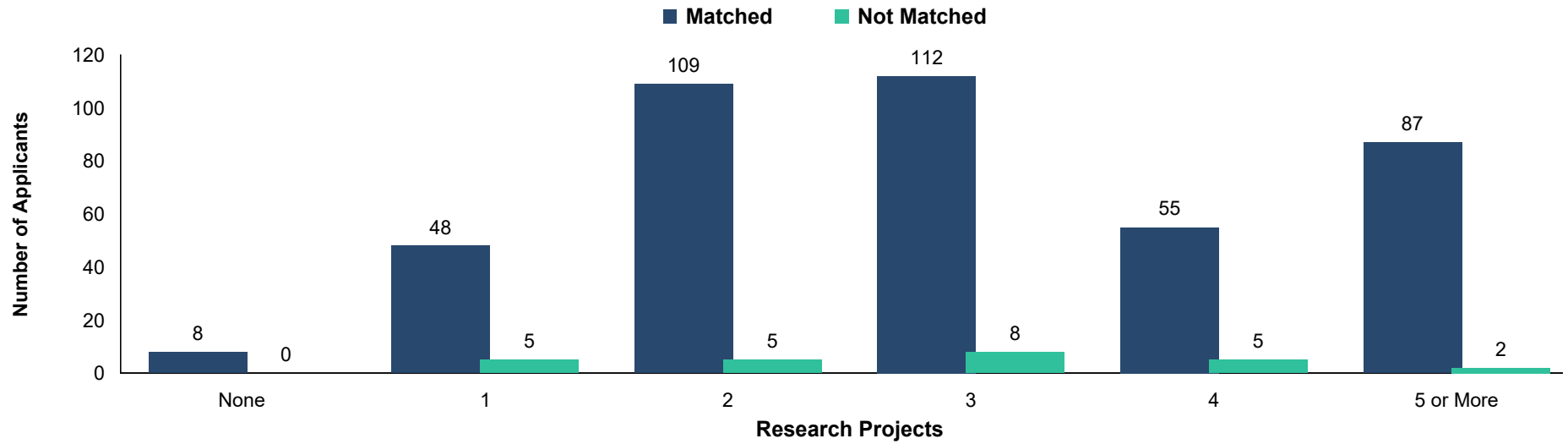
## Neurology



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

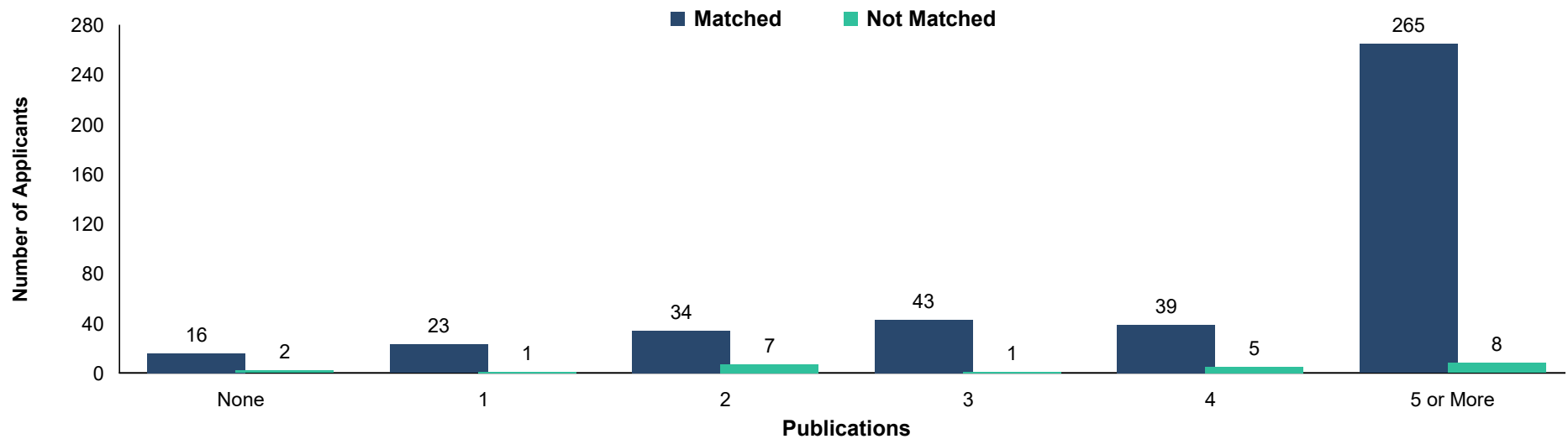
**Chart  
N-5**

### Number of Research Projects of U.S. MD Seniors *Neurology*



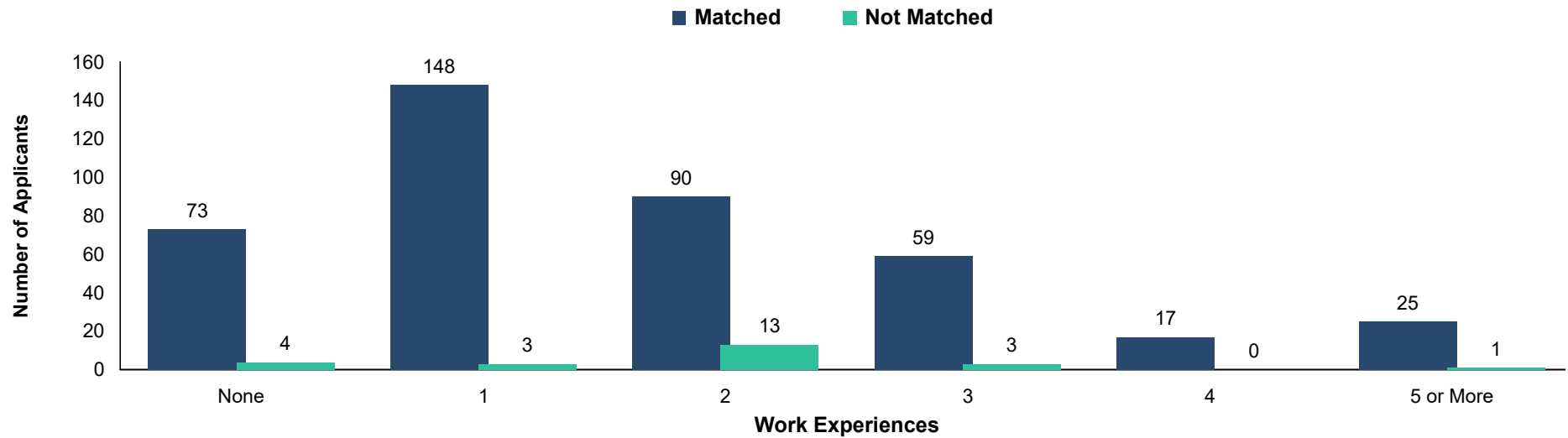
**Chart  
N-6**

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

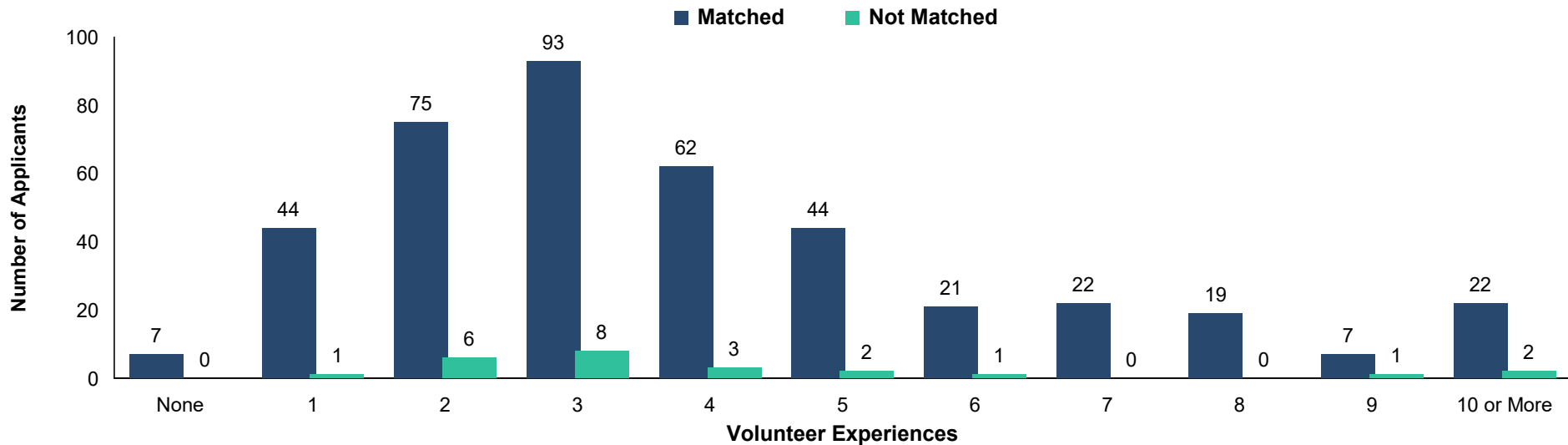


Source: NRMP Data Warehouse

**Chart N-7** Number of Work Experiences of U.S. MD Seniors  
*Neurology*



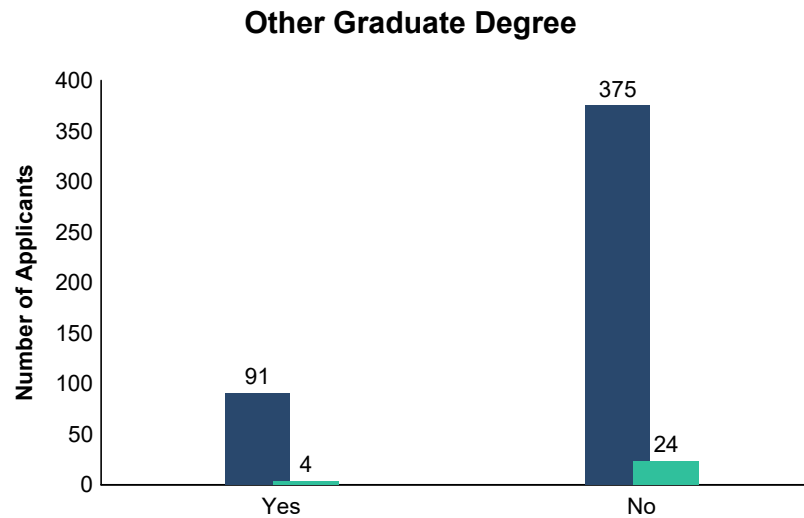
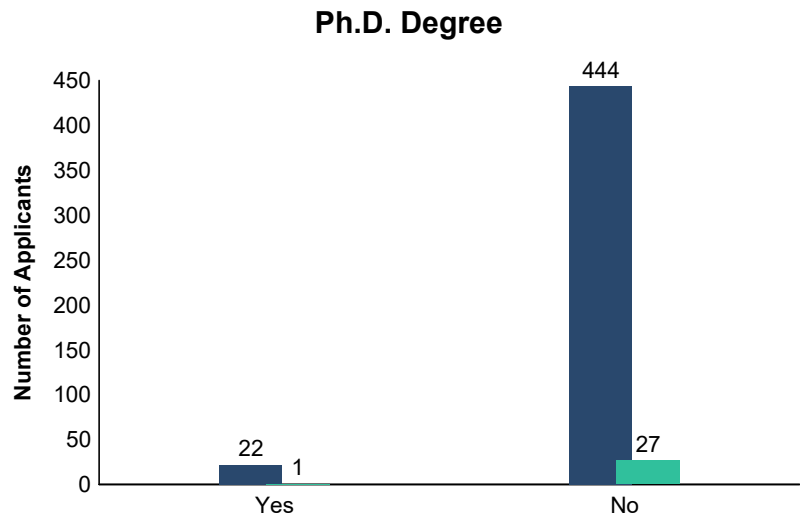
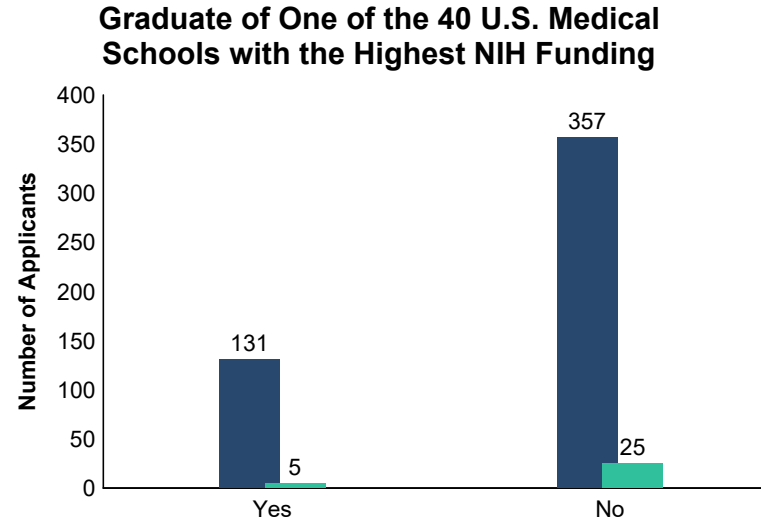
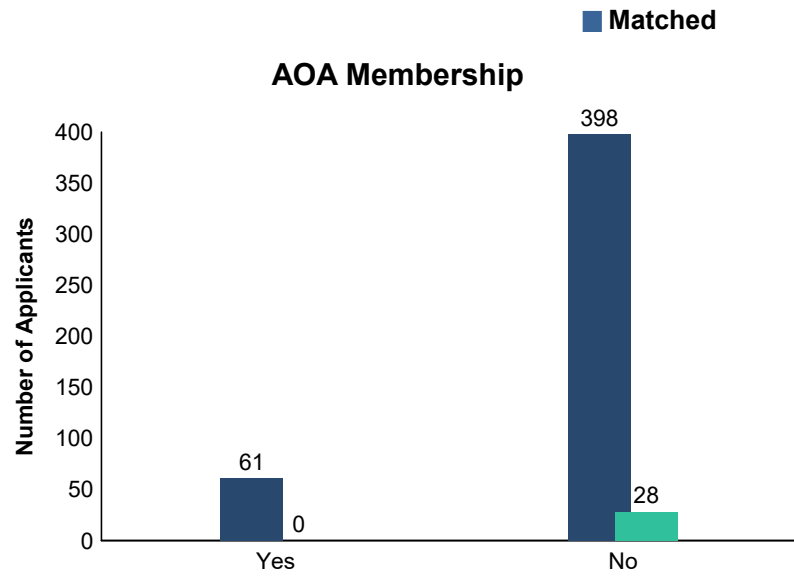
**Chart N-8** Number of Volunteer Experiences of U.S. MD Seniors  
*Neurology*



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>

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

**Table OB-1** **Summary Statistics on U.S. MD Seniors**  
*Obstetrics and Gynecology*

| Measure   | Matched<br>(n=925) | Unmatched<br>(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.

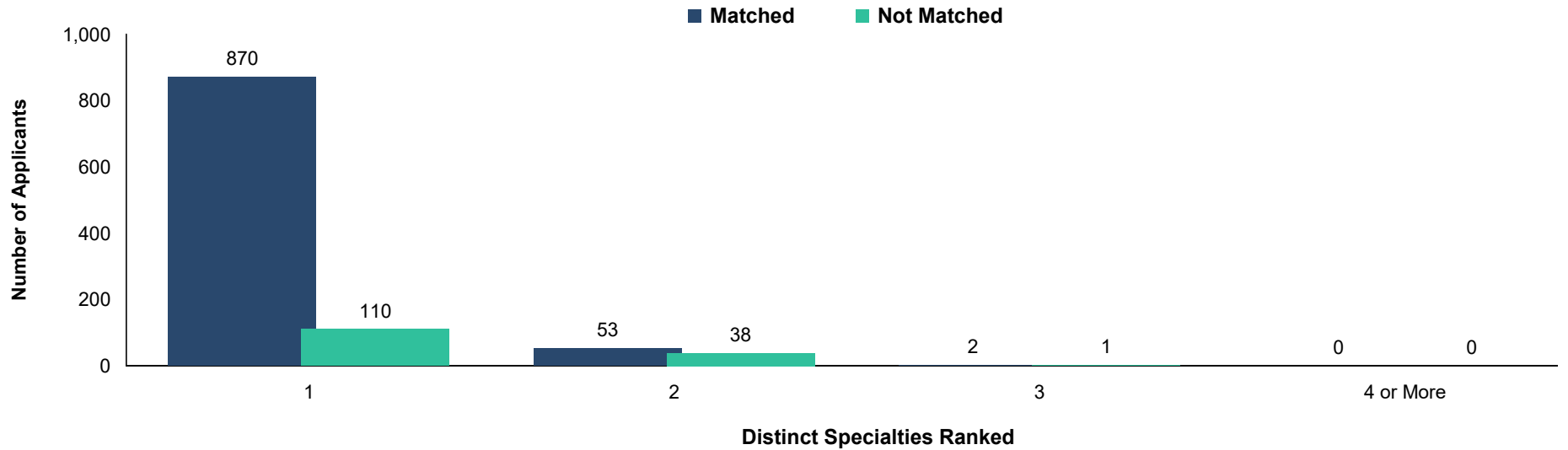
\*Only applicants who indicated completion of the USMLE Step 1 exam prior to the transition to pass/fail (i.e., prior to January 26, 2022) had the option to self-report their Step 1 numeric score. In 2024, only 2,143 U.S. MD seniors self-reported Step 1 numeric scores.

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>).



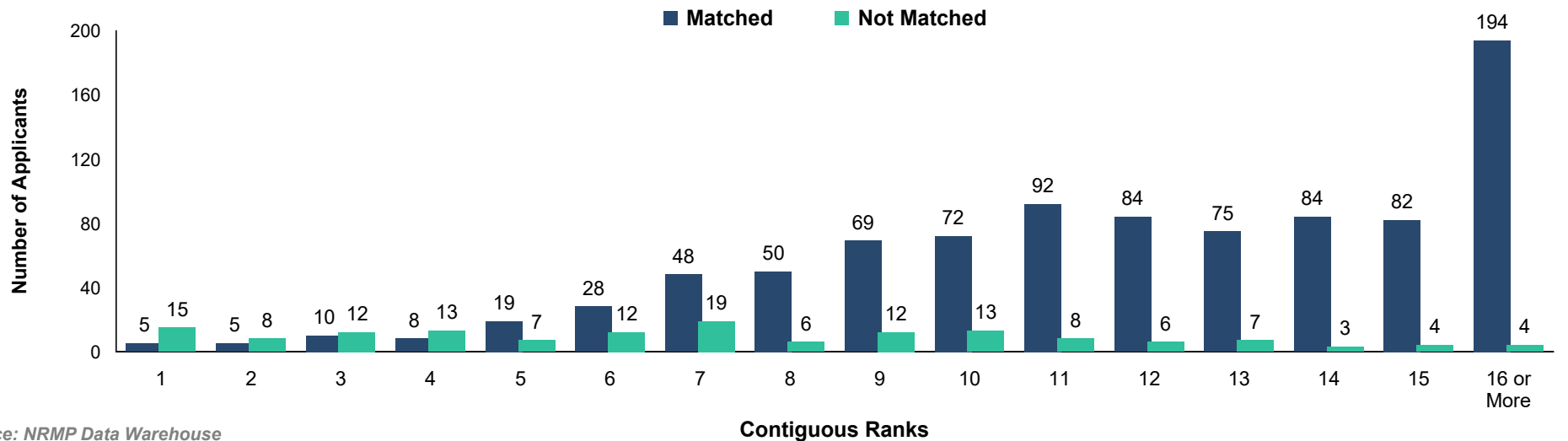
**Chart  
OB-1**

**Number of Distinct Specialties Ranked by U.S. MD Seniors  
*Obstetrics and Gynecology***



**Chart  
OB-2**

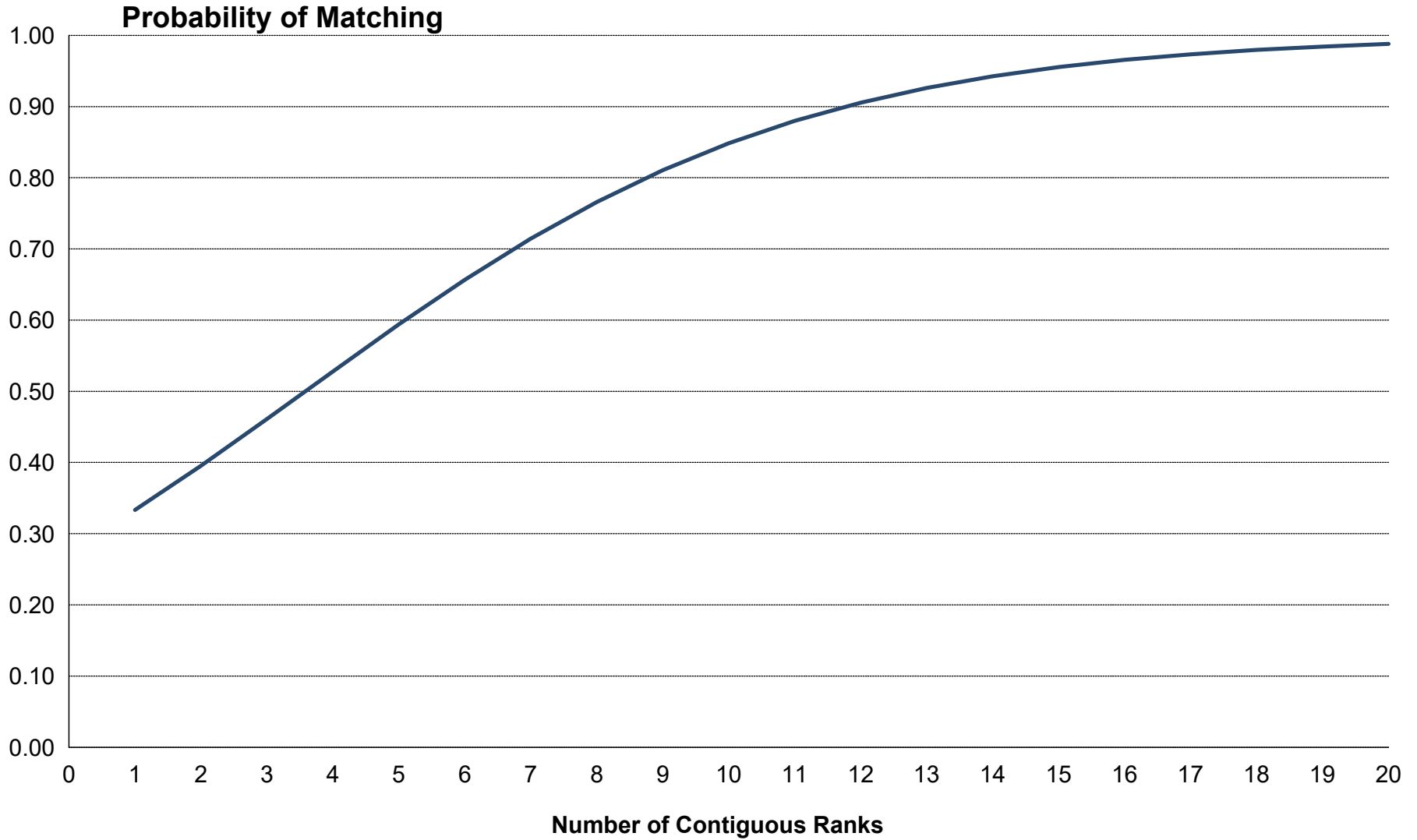
**Number of Contiguous Ranks of U.S. MD Seniors  
*Obstetrics and Gynecology***



Source: NRMP Data Warehouse

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

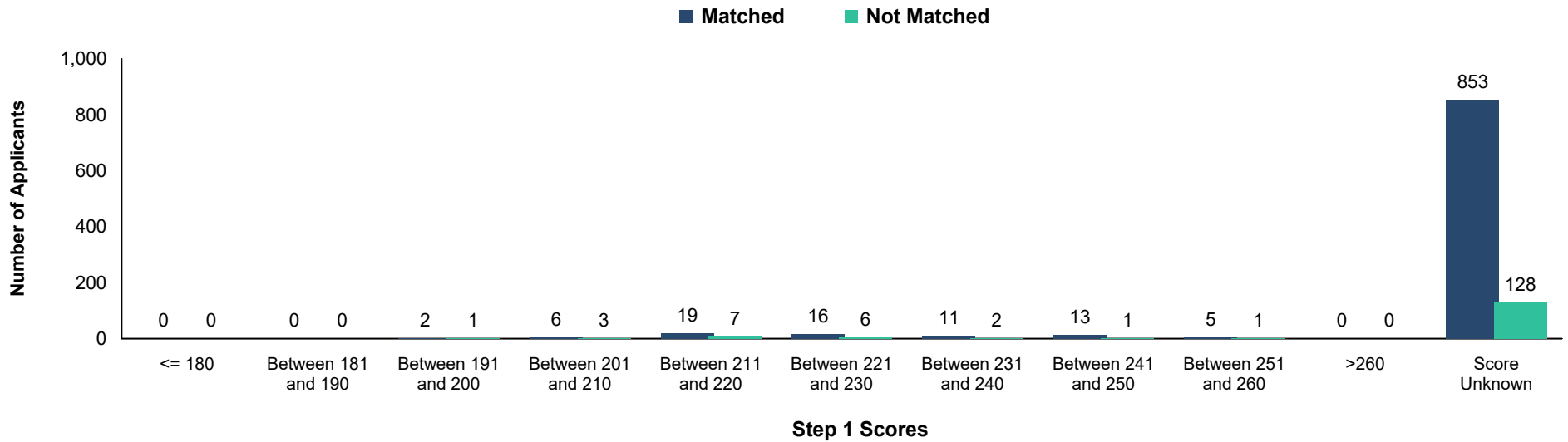
*Obstetrics and Gynecology*



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

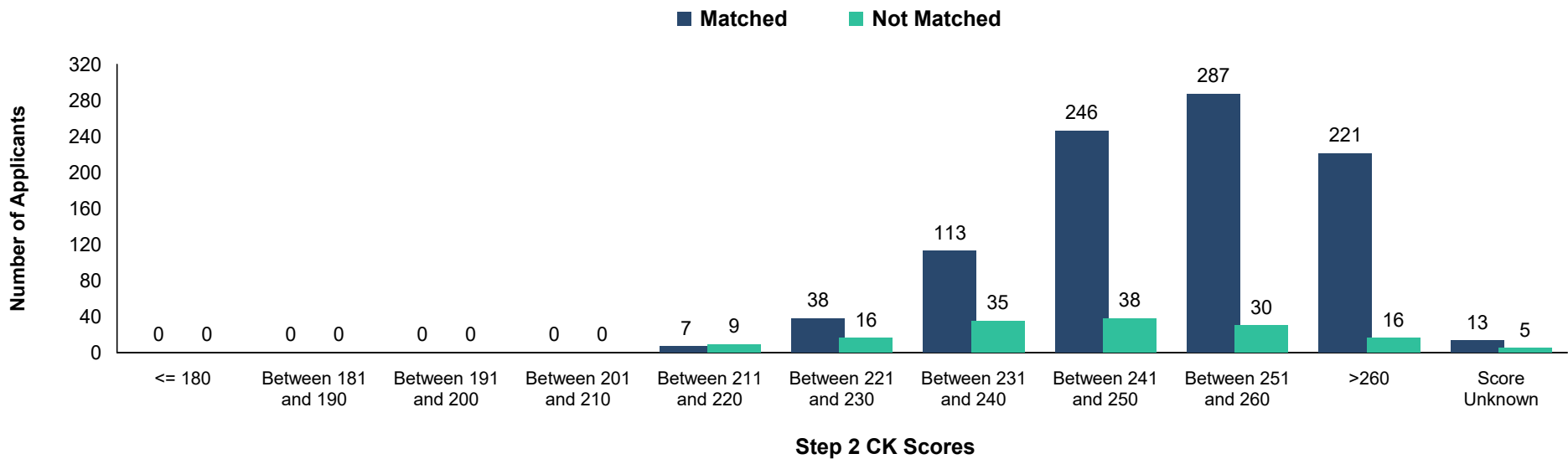
**Chart  
OB-3**

**USMLE Step 1 Scores of U.S. MD Seniors  
*Obstetrics and Gynecology***

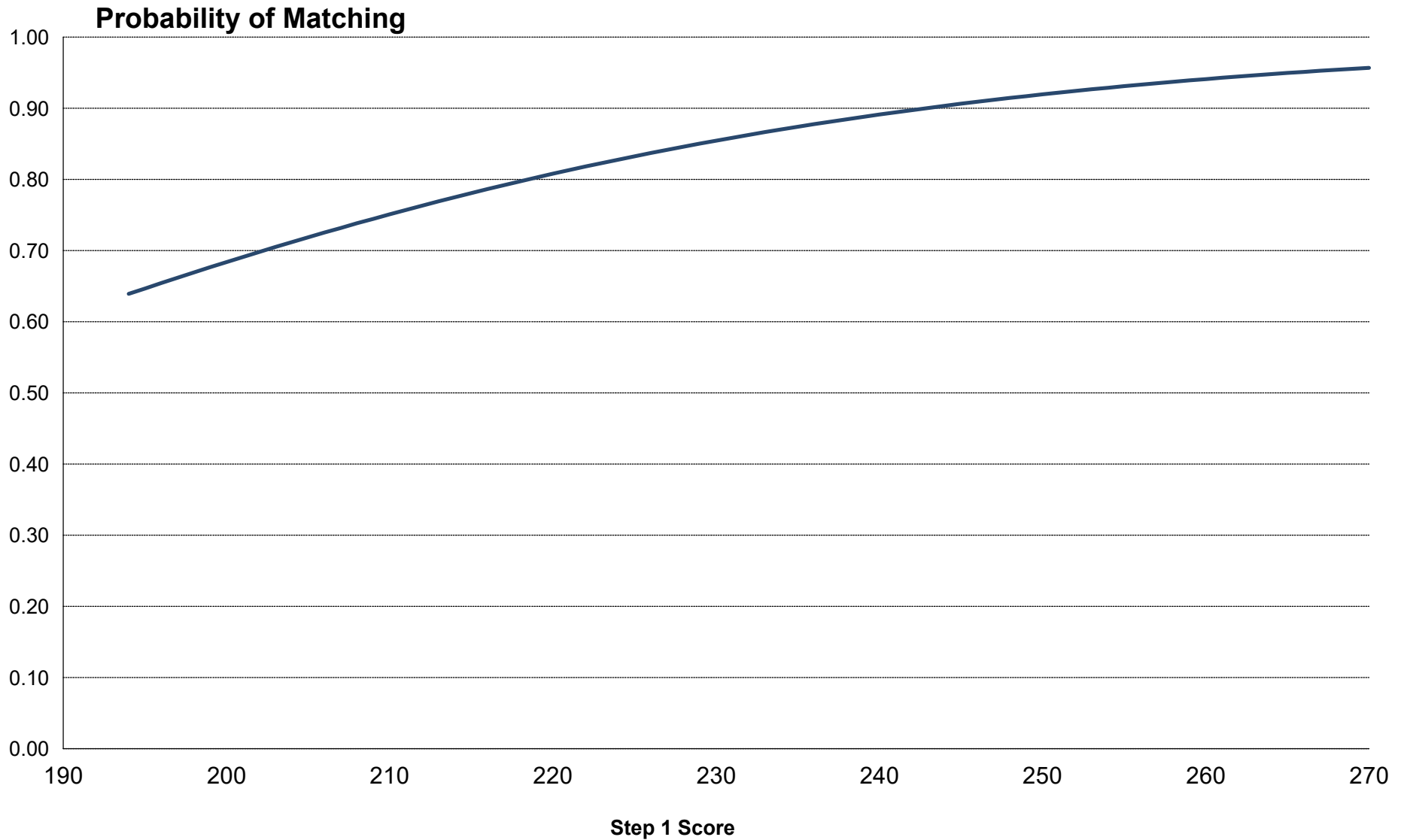


**Chart  
OB-4**

**USMLE Step 2 CK Scores of U.S. MD Seniors  
*Obstetrics and Gynecology***

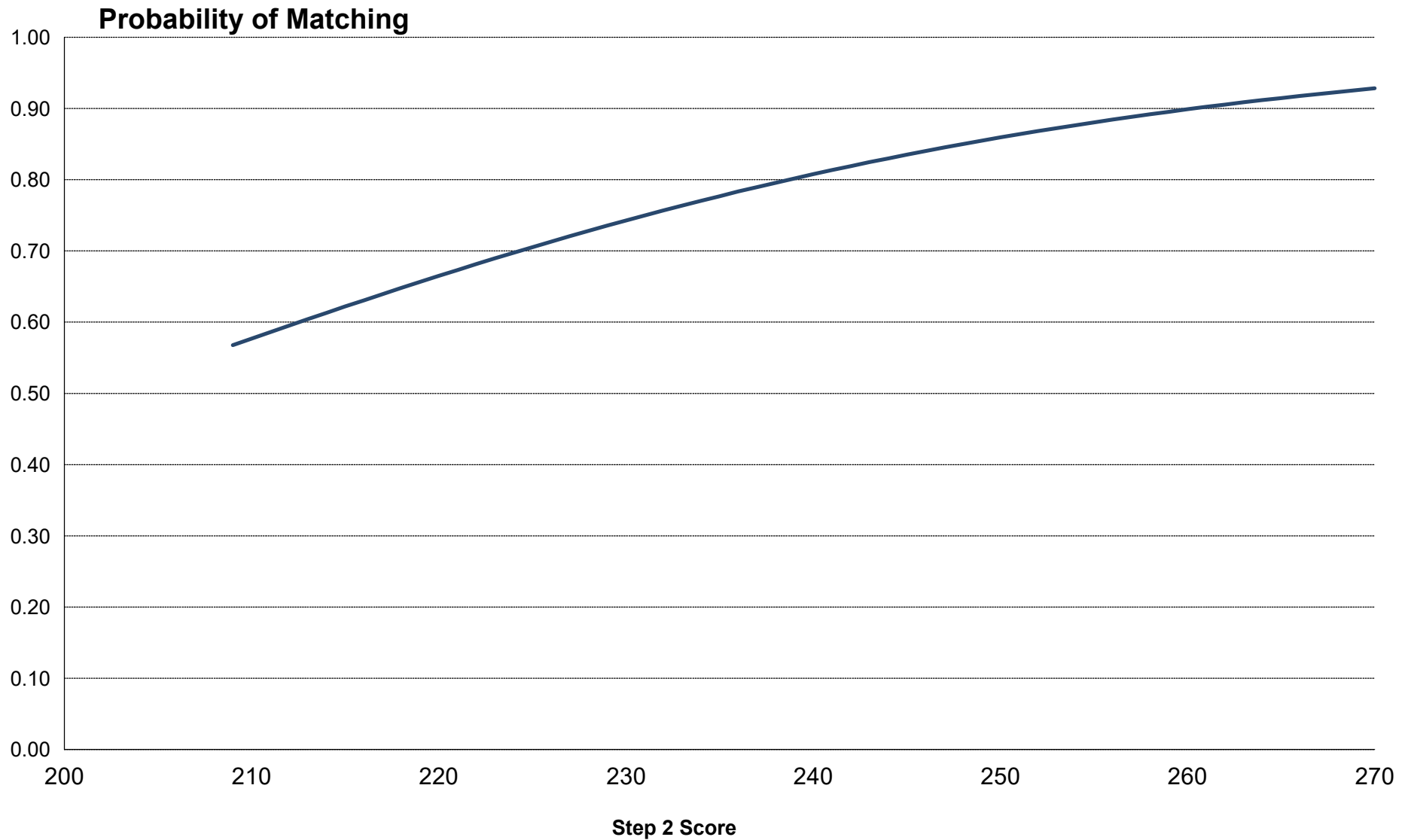


## Probability of U.S. MD Seniors Matching to Preferred Specialty by USMLE Step 1 Score *Obstetrics and Gynecology*



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

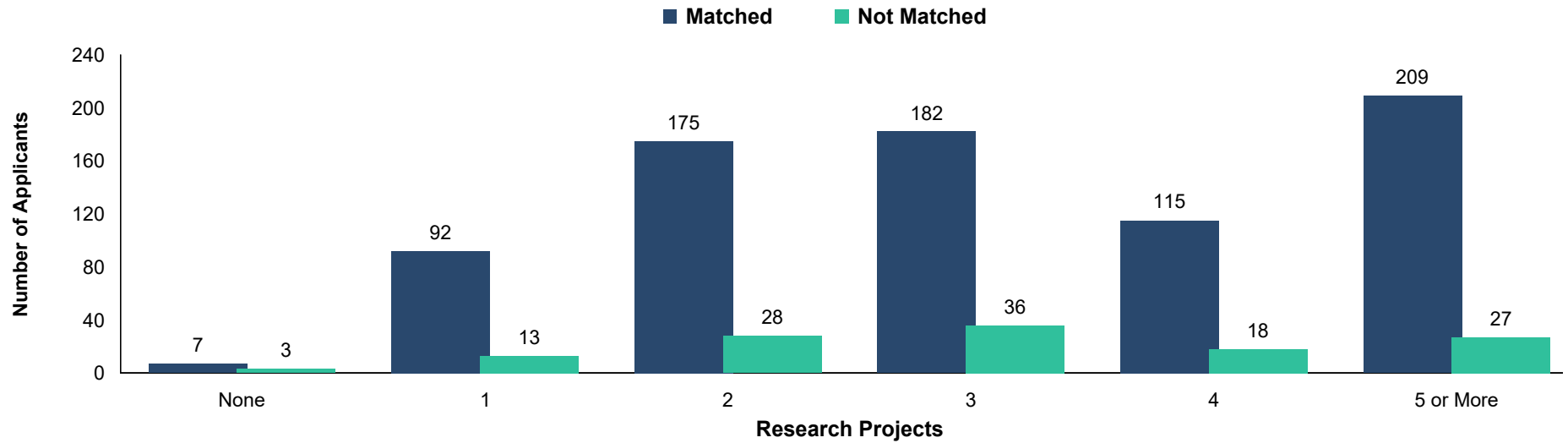
## Probability of U.S. MD Seniors Matching to Preferred Specialty by USMLE Step 2 Score *Obstetrics and Gynecology*



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

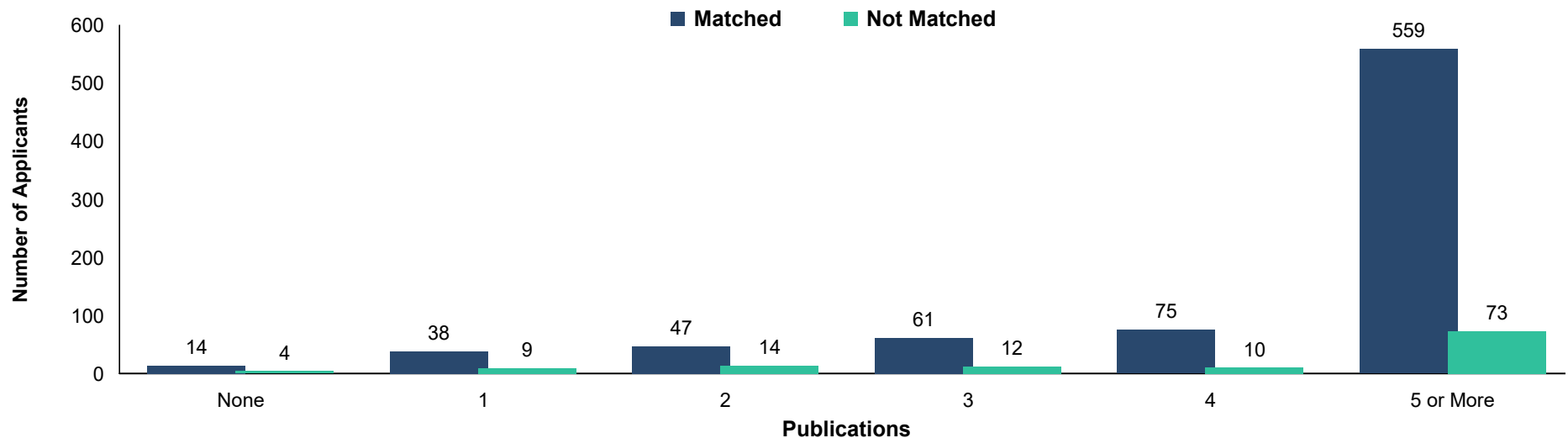
**Chart  
OB-5**

**Number of Research Projects of U.S. MD Seniors  
*Obstetrics and Gynecology***



**Chart  
OB-6**

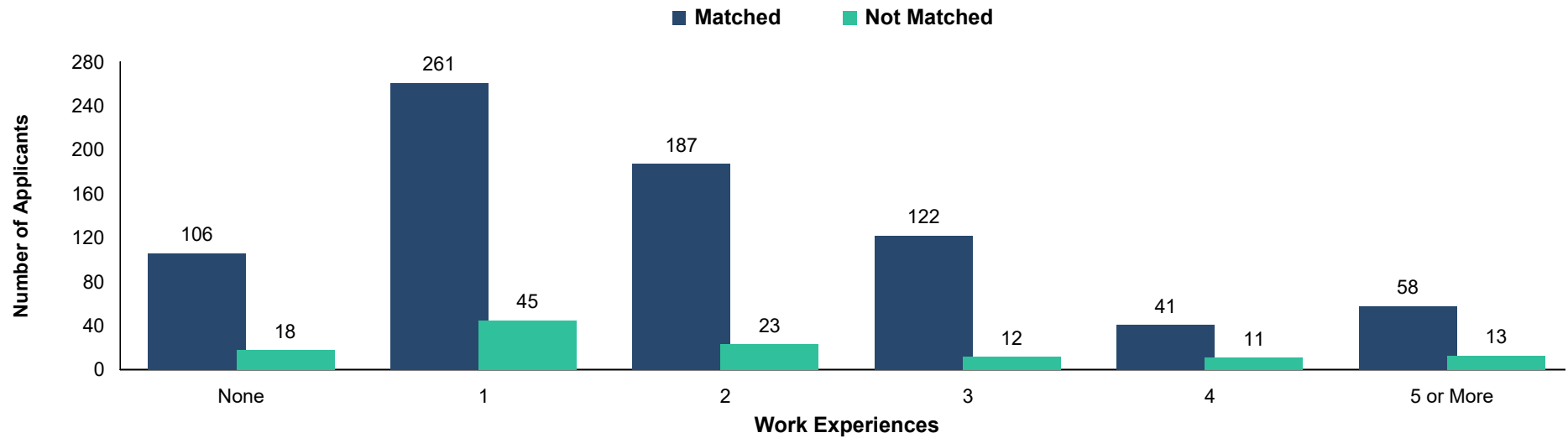
**Number of Abstracts, Presentations, and Publications of U.S. MD Seniors  
*Obstetrics and Gynecology***



Source: NRMP Data Warehouse

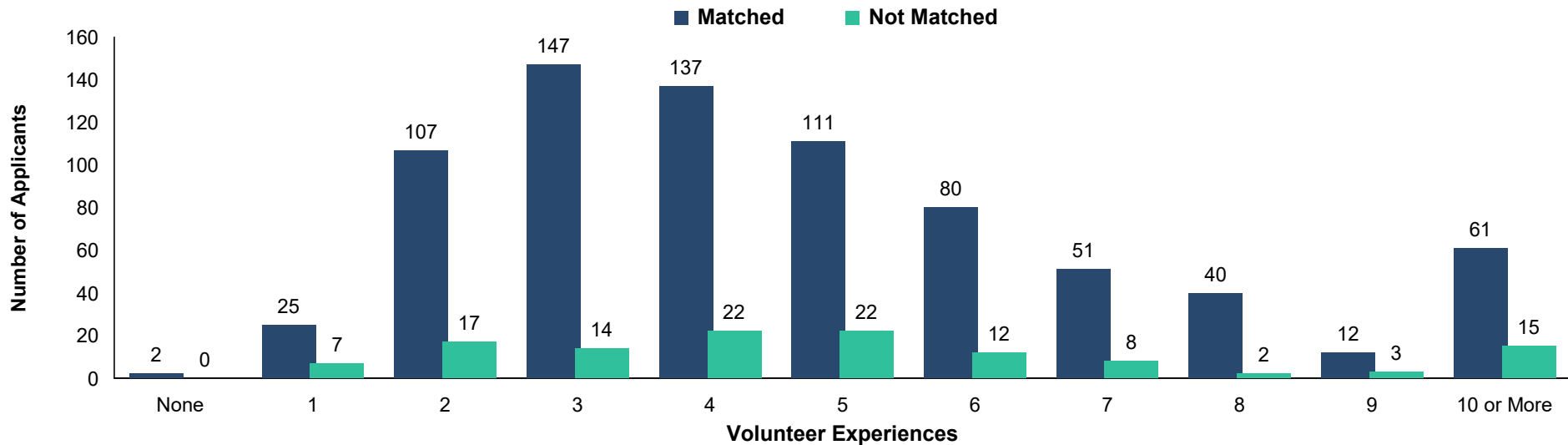
**Chart  
OB-7**

**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**



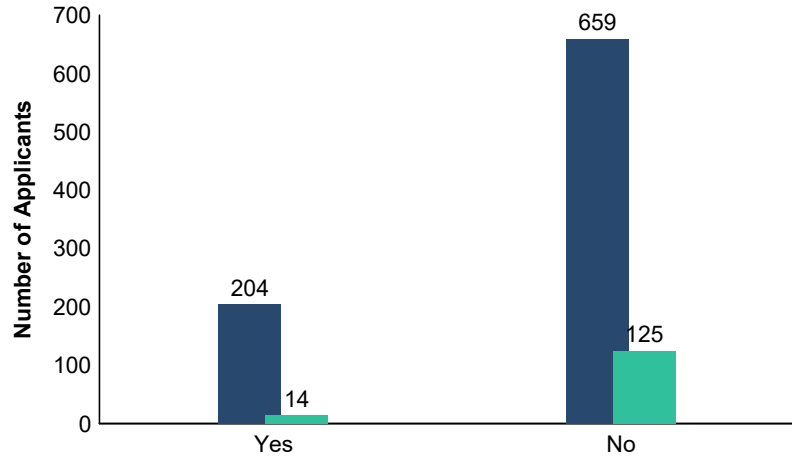
Source: NRMP Data Warehouse

**Chart  
OB-9**

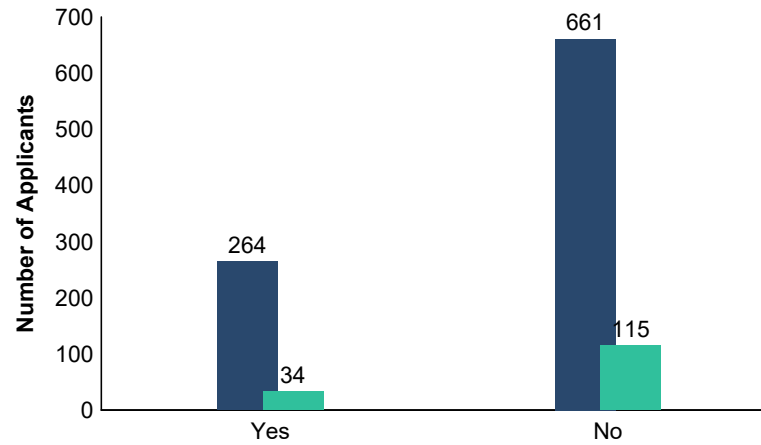
**Other Characteristics of U.S. MD Seniors  
Obstetrics and Gynecology**

■ Matched ■ Not Matched

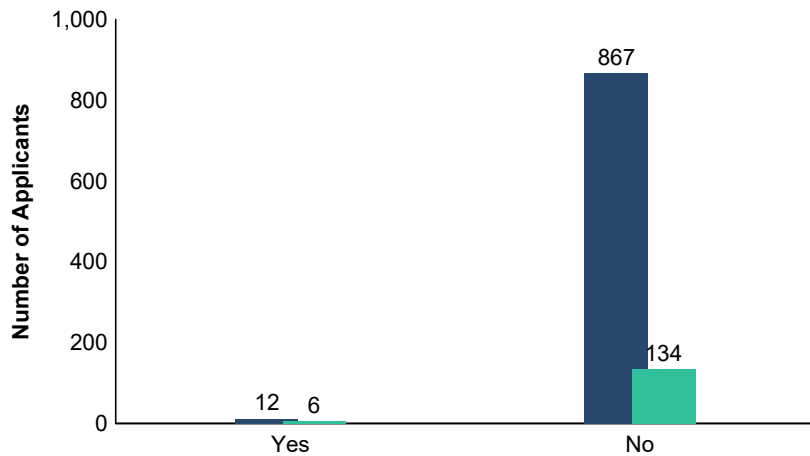
**AOA Membership**



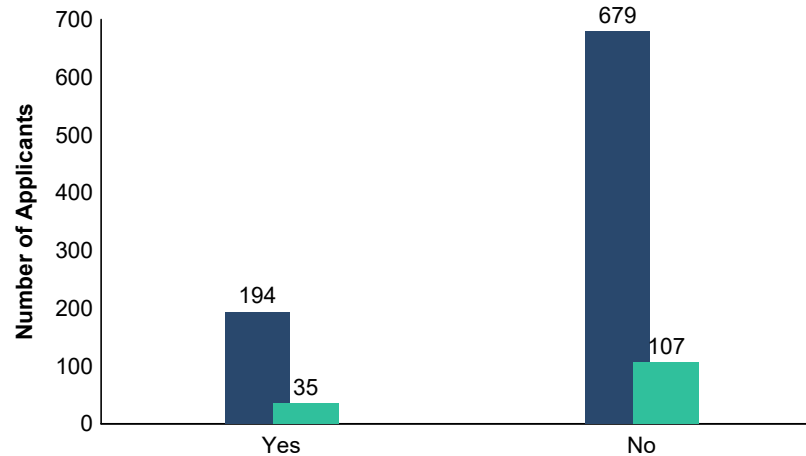
**Graduate of One of the 40 U.S. Medical Schools with the Highest NIH Funding**



**Ph.D. Degree**



**Other Graduate Degree**



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



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**ORS** Orthopaedic Surgery

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

| Measure   | Matched<br>(n=587) | Unmatched<br>(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                 |

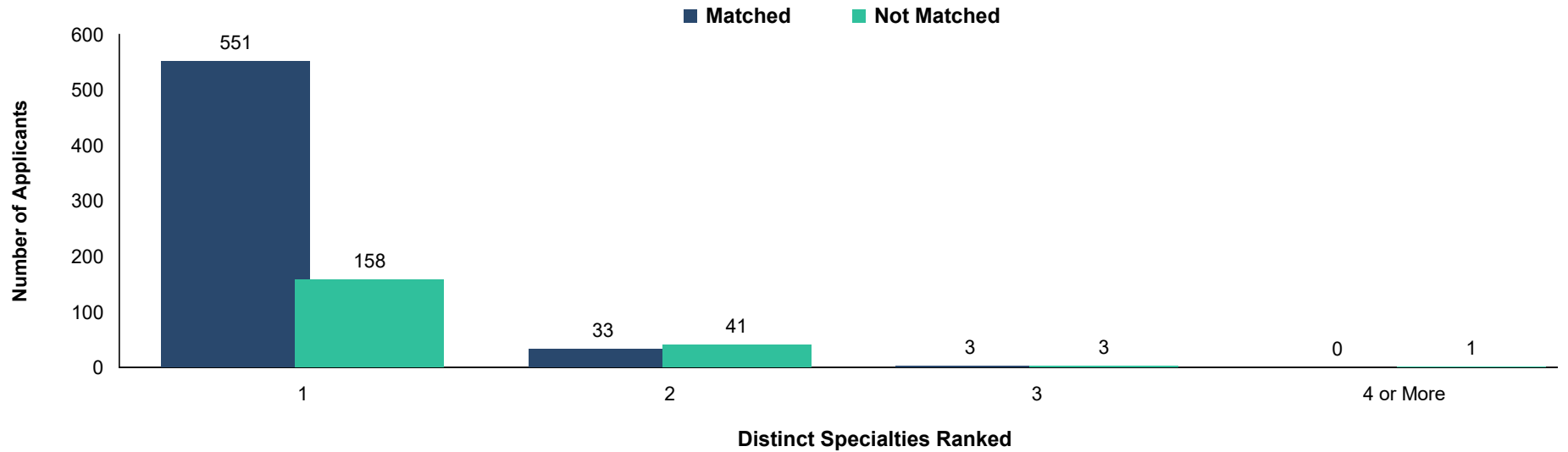
Note: Only U.S. MD seniors who gave consent to use their information in research are included.

\*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>).

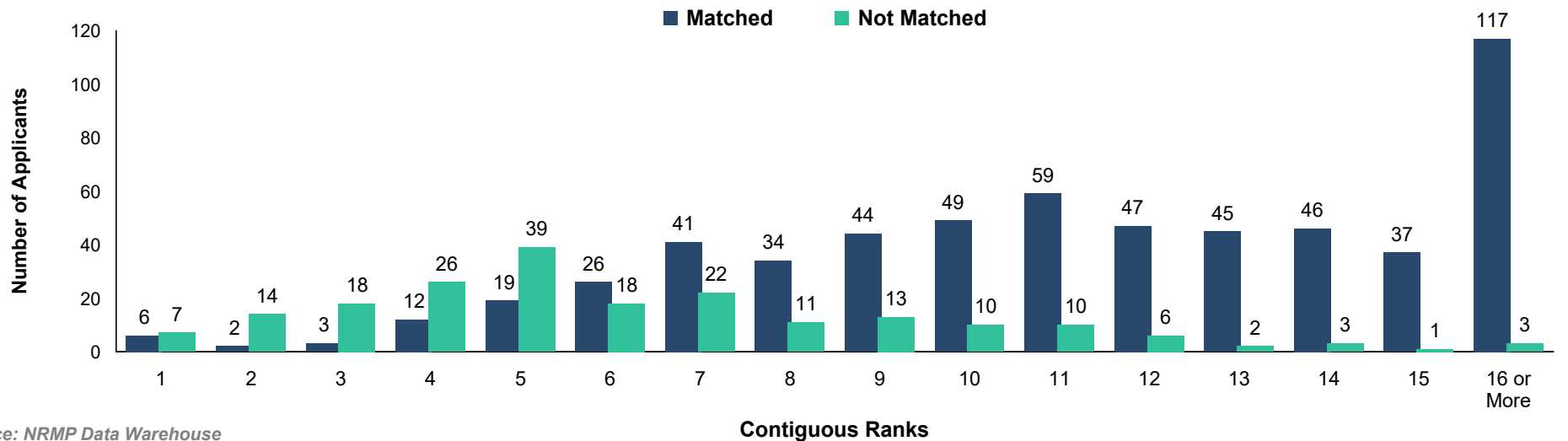
**Chart  
ORS-1**

**Number of Distinct Specialties Ranked by U.S. MD Seniors  
Orthopaedic Surgery**



**Chart  
ORS-2**

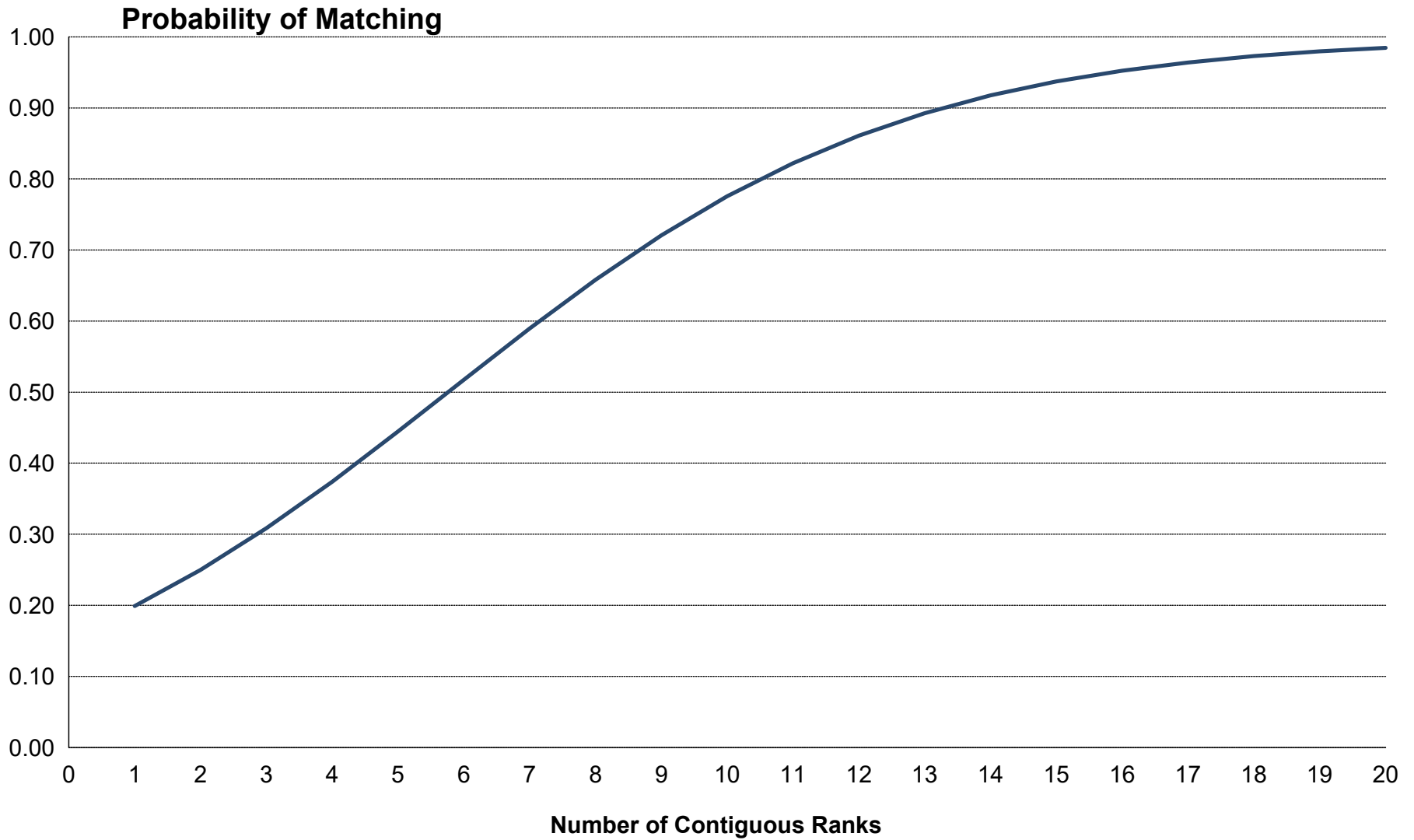
**Number of Contiguous Ranks of U.S. MD Seniors  
Orthopaedic Surgery**



Source: NRMP Data Warehouse

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

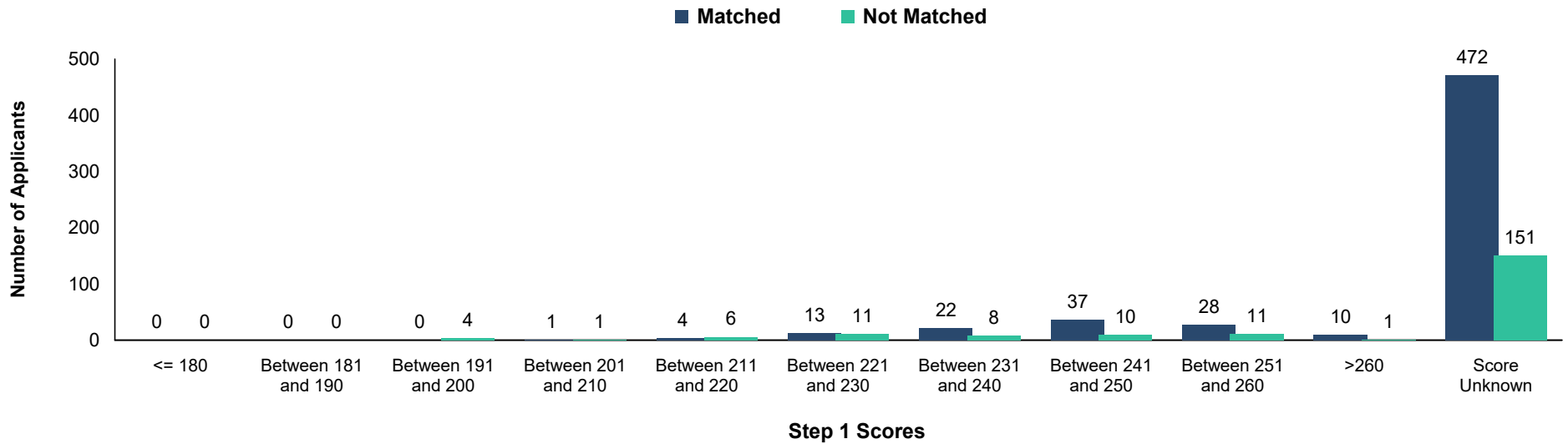
*Orthopaedic Surgery*



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

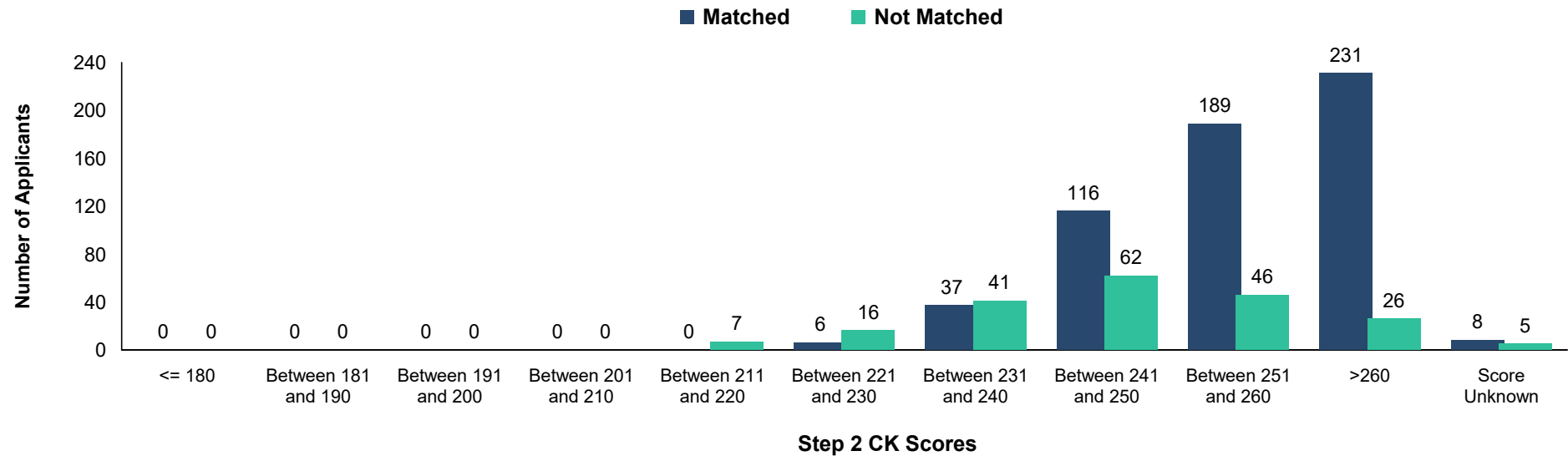
**Chart  
ORS-3**

**USMLE Step 1 Scores of U.S. MD Seniors  
*Orthopaedic Surgery***



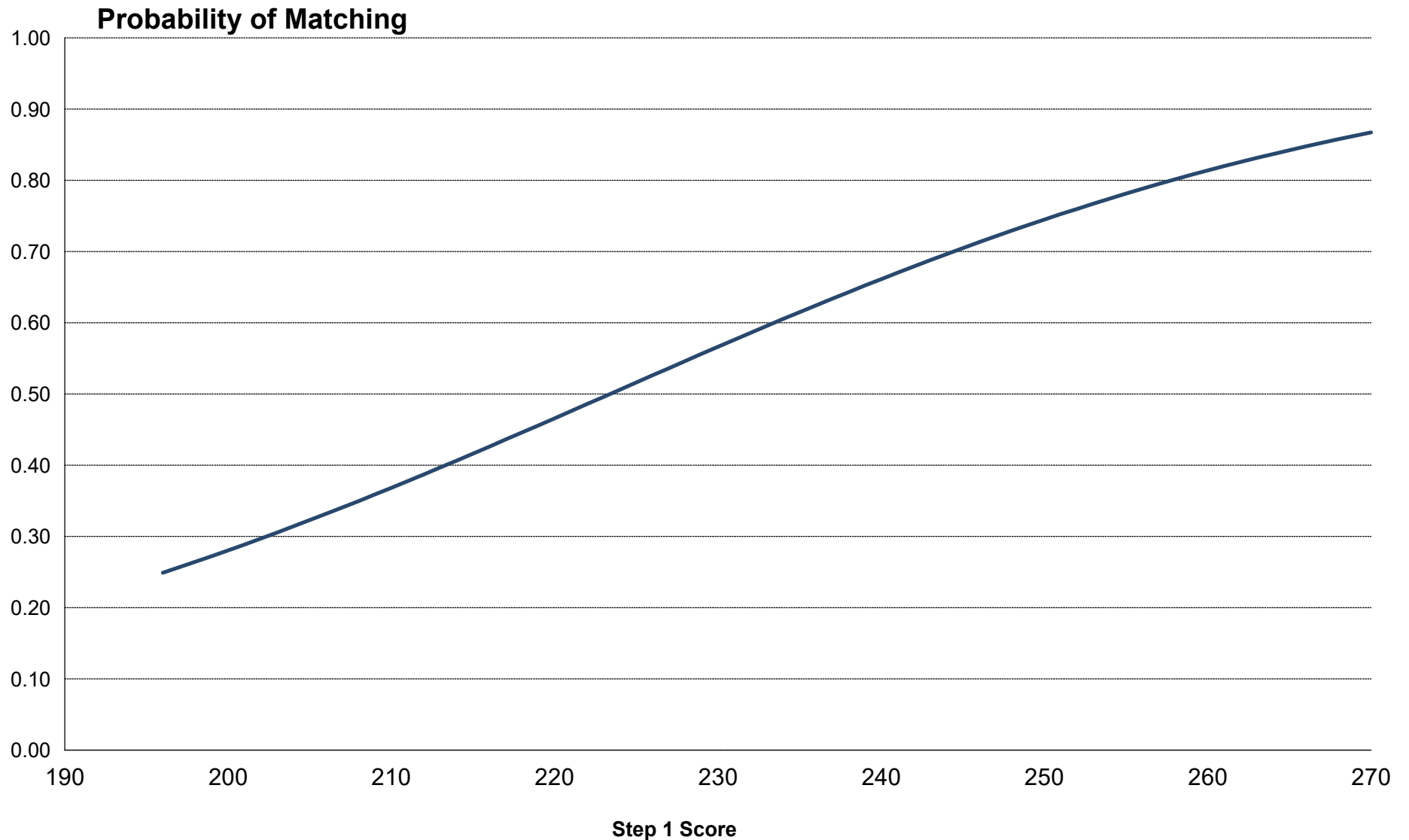
**Chart  
ORS-4**

**USMLE Step 2 CK Scores of U.S. MD Seniors  
*Orthopaedic Surgery***



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

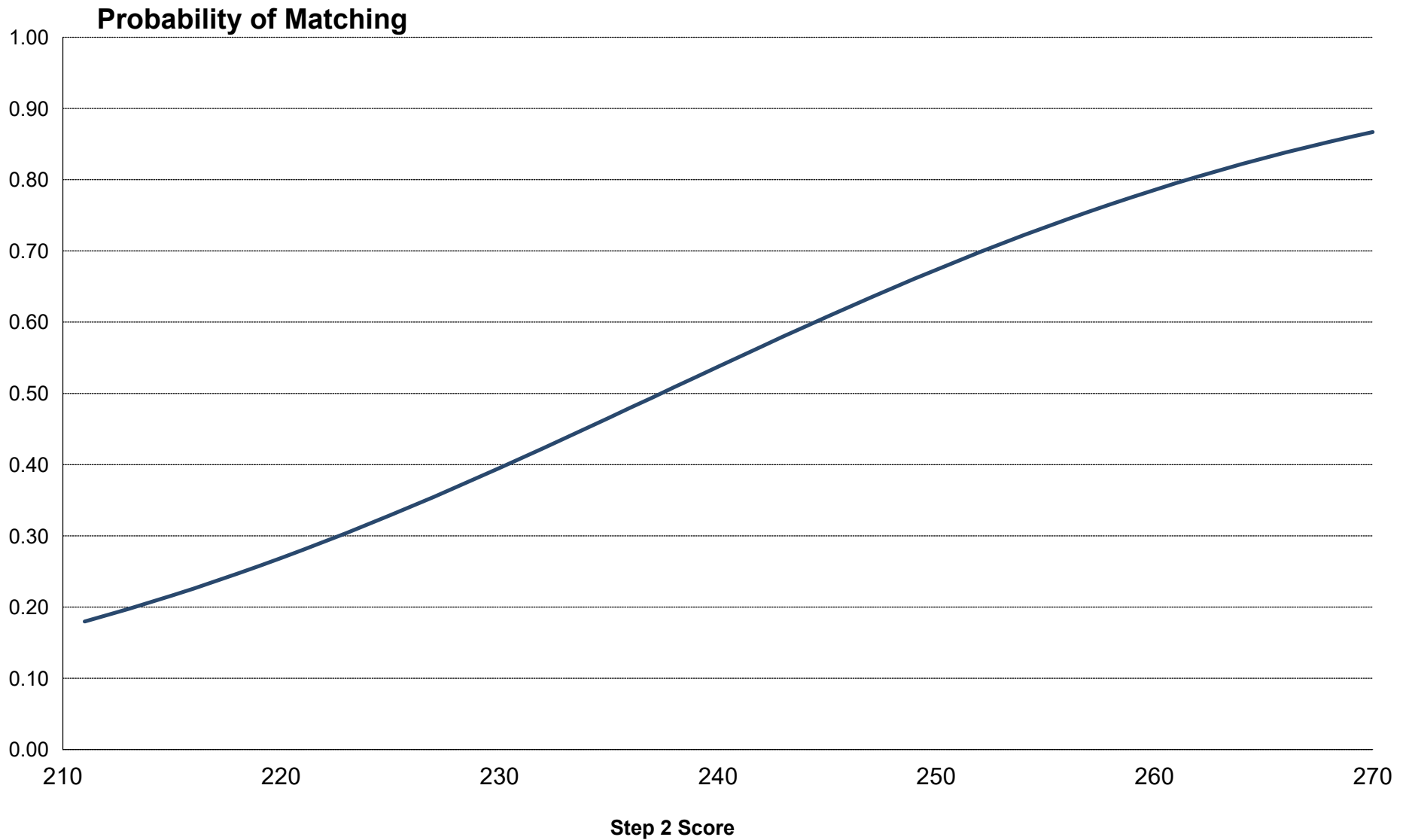
## Orthopaedic Surgery



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

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

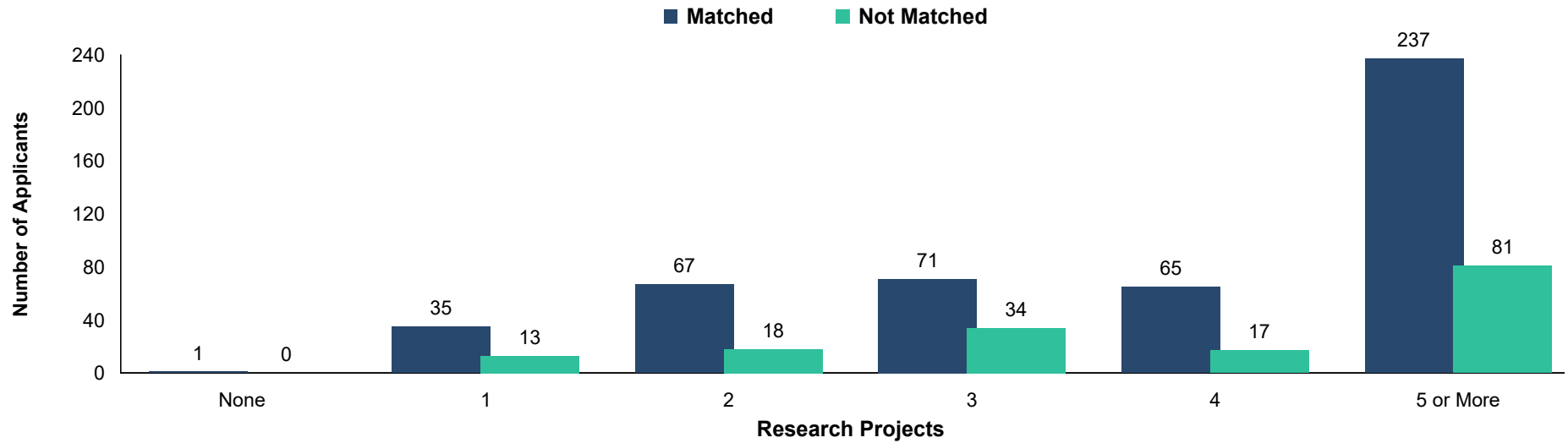
## Orthopaedic Surgery



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

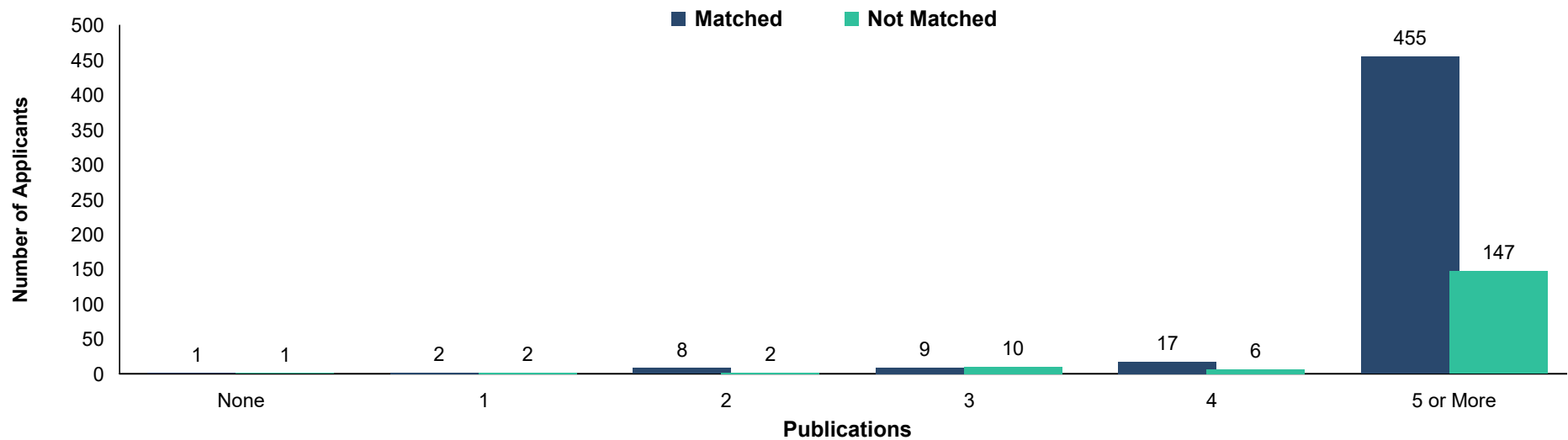
**Chart  
ORS-5**

**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***

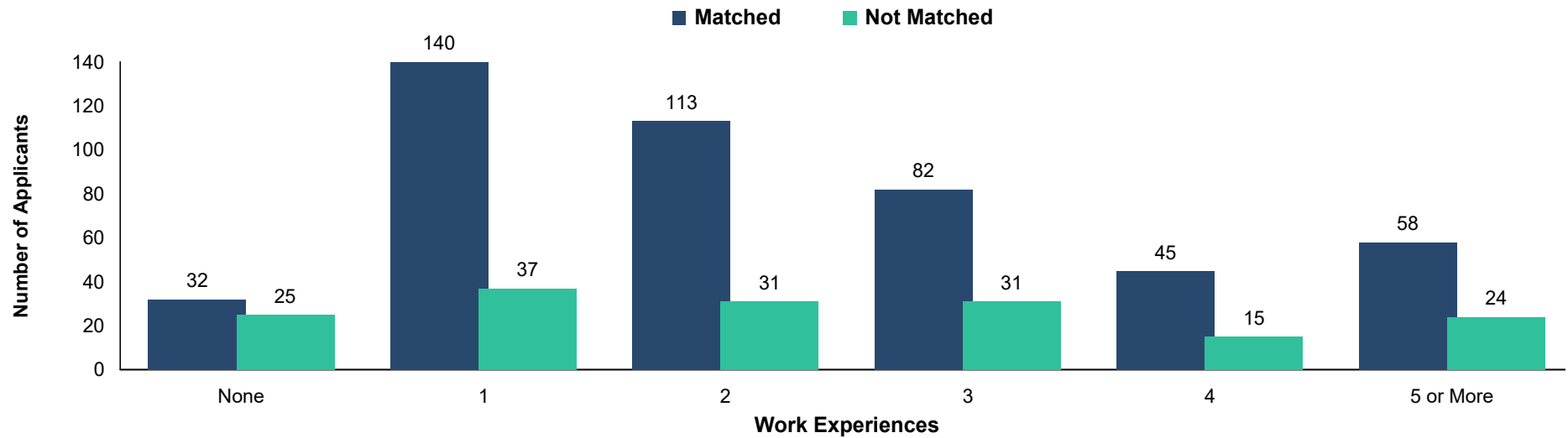


Source: NRMP Data Warehouse



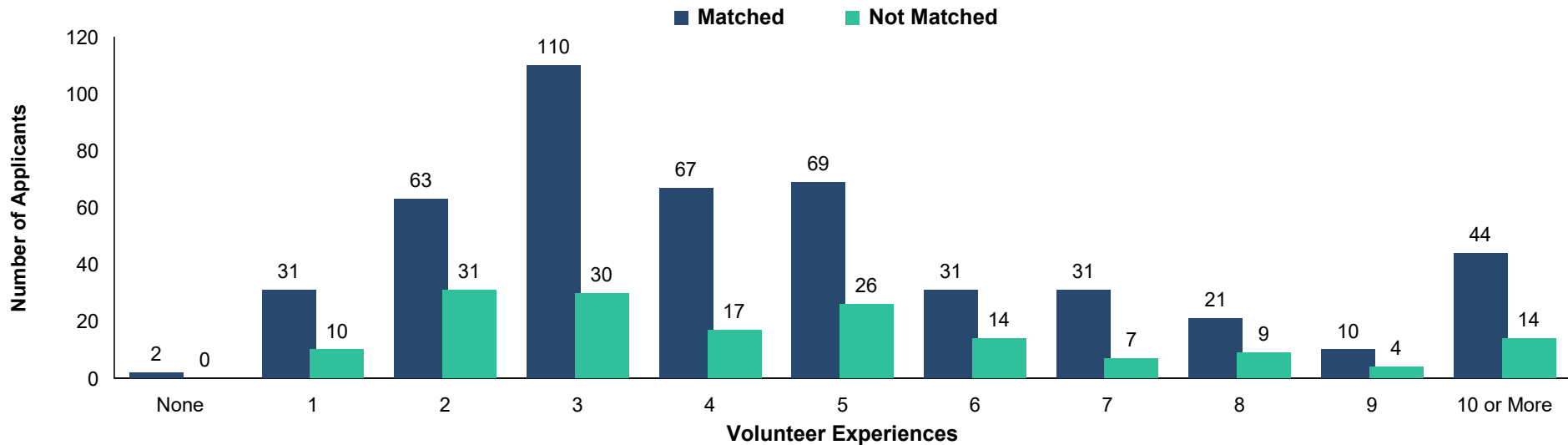
**Chart  
ORS-7**

**Number of Work Experiences of U.S. MD Seniors  
*Orthopaedic Surgery***



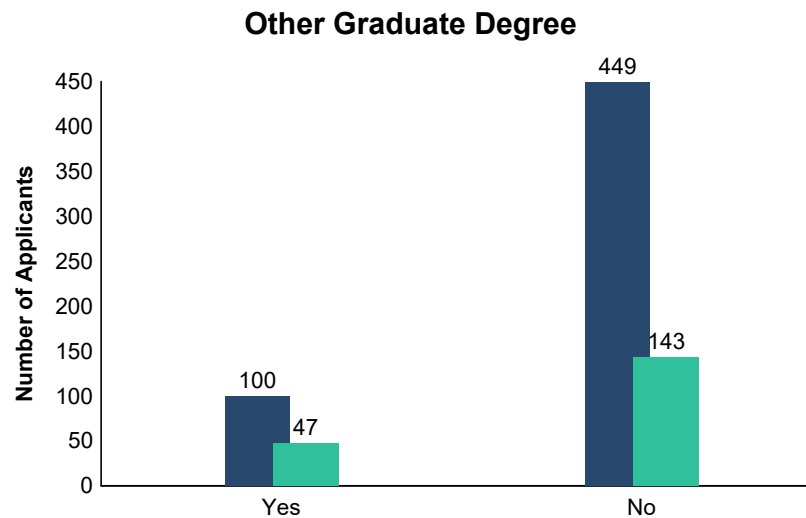
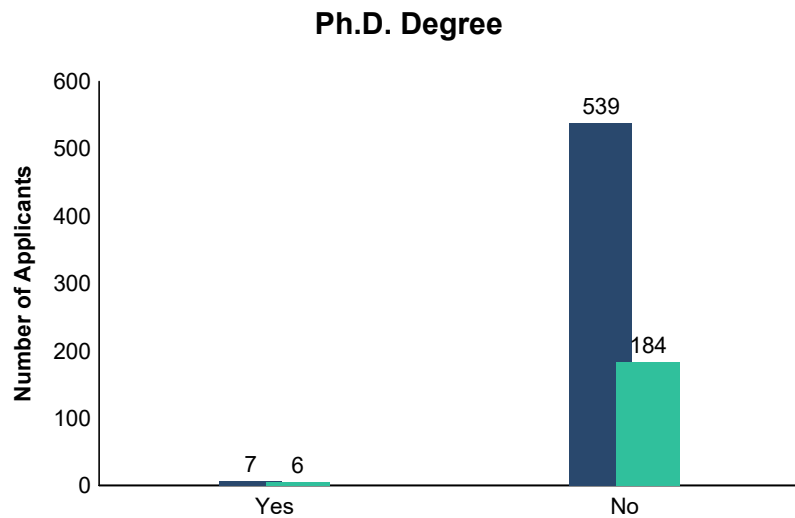
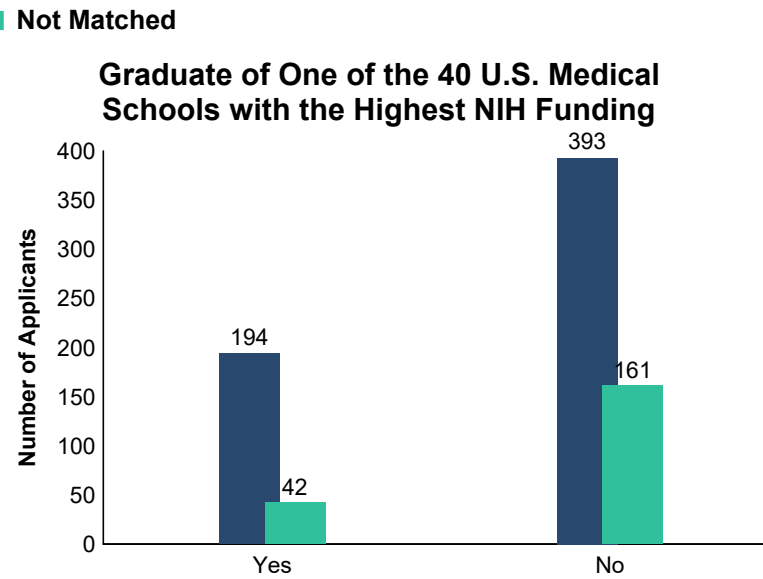
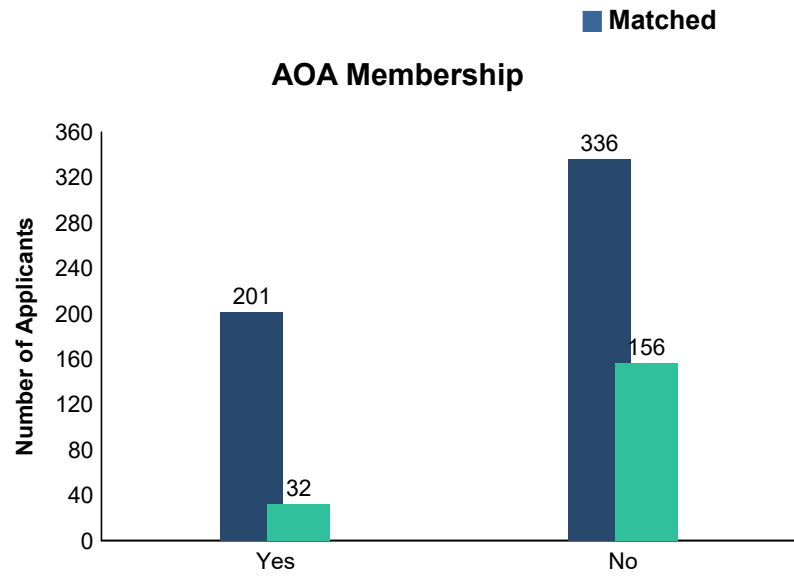
**Chart  
ORS-8**

**Number of Volunteer Experiences of U.S. MD Seniors  
*Orthopaedic Surgery***



Source: NRMP Data Warehouse

**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>

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**OTO** Otolaryngology

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

| Measure   | Matched<br>(n=268) | Unmatched<br>(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                |

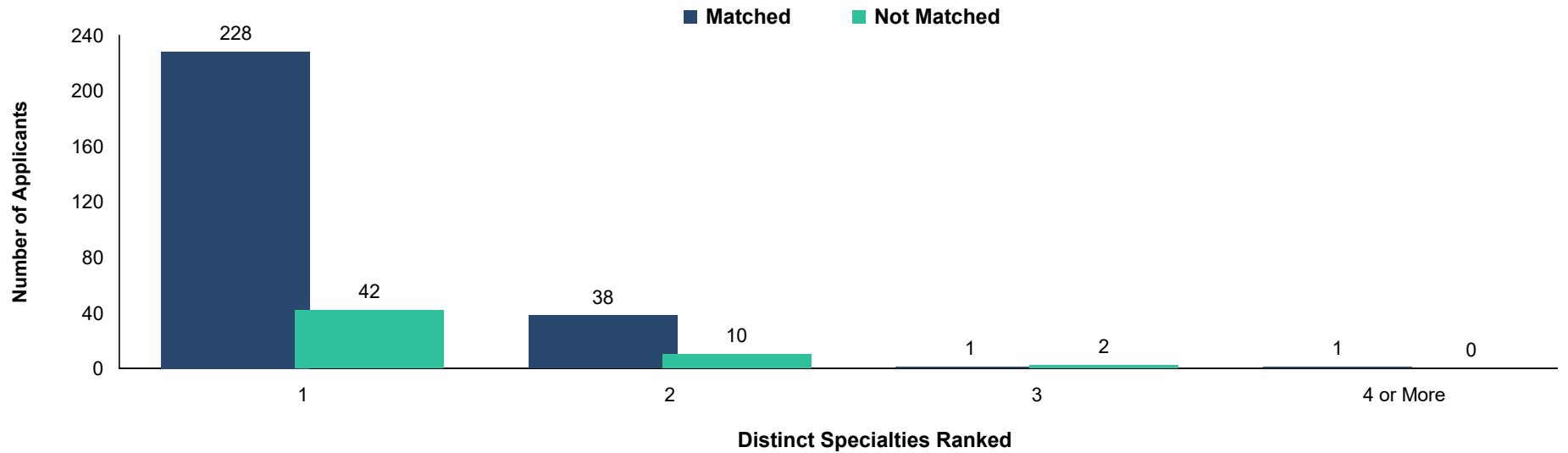
Note: Only U.S. MD seniors who gave consent to use their information in research are included.

\*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>).

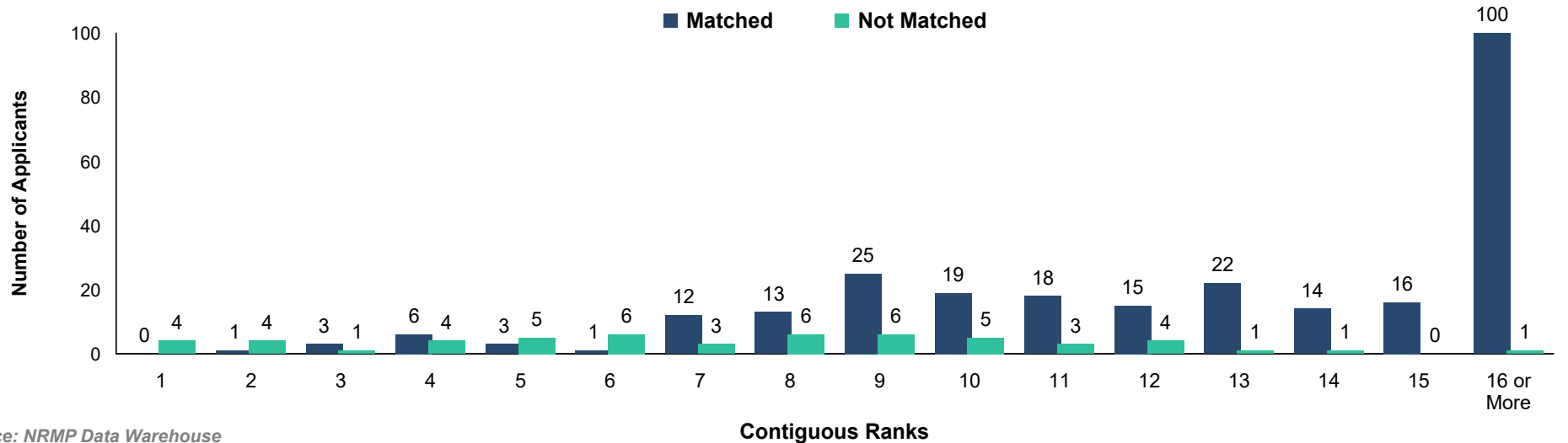
**Chart  
OTO-1**

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



**Chart  
OTO-2**

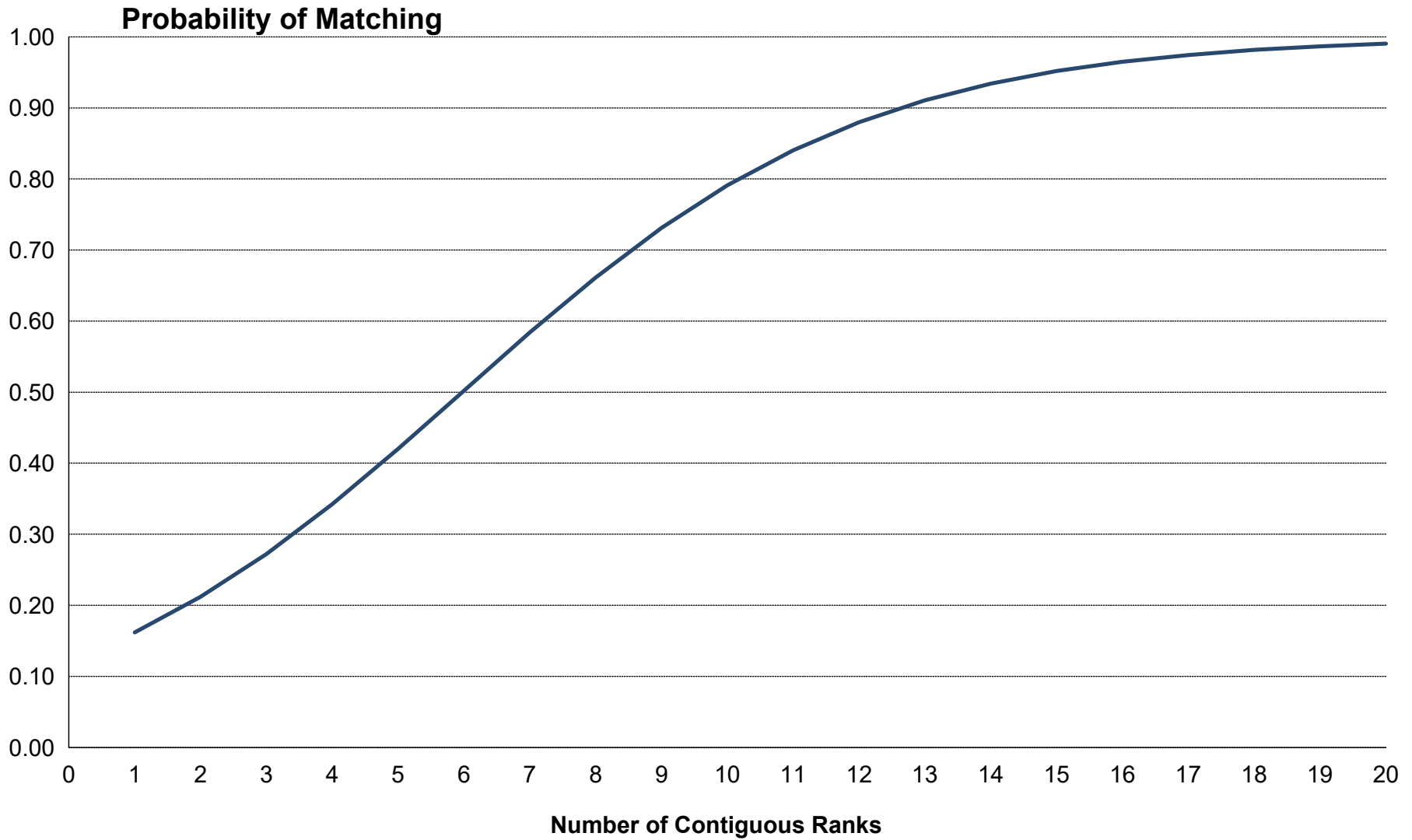
**Number of Contiguous Ranks of U.S. MD Seniors  
Otolaryngology**



Source: NRMP Data Warehouse

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

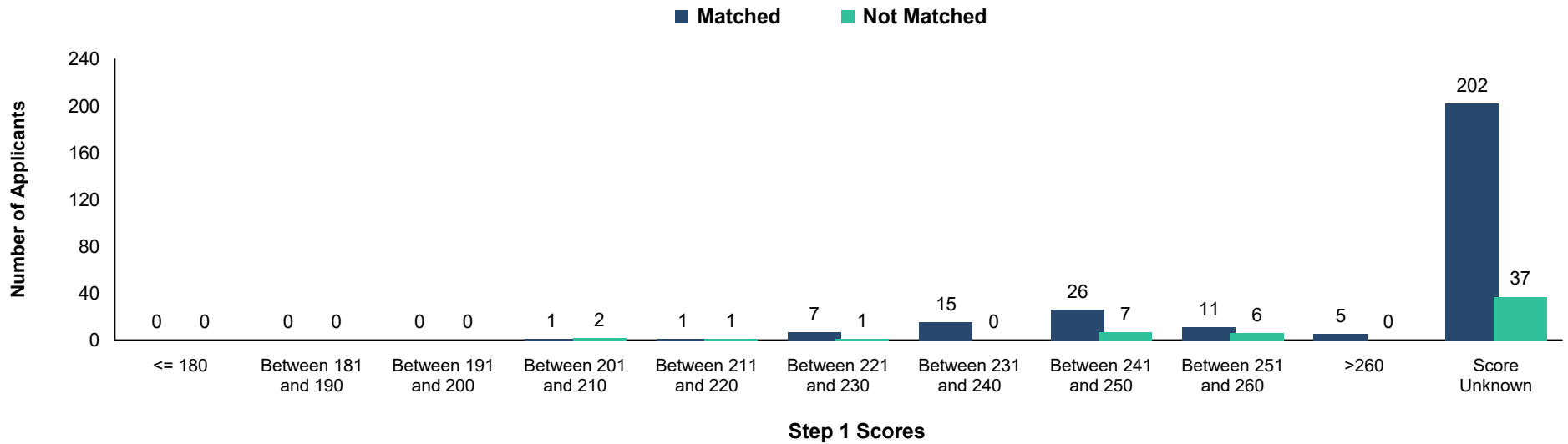
*Otolaryngology*



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

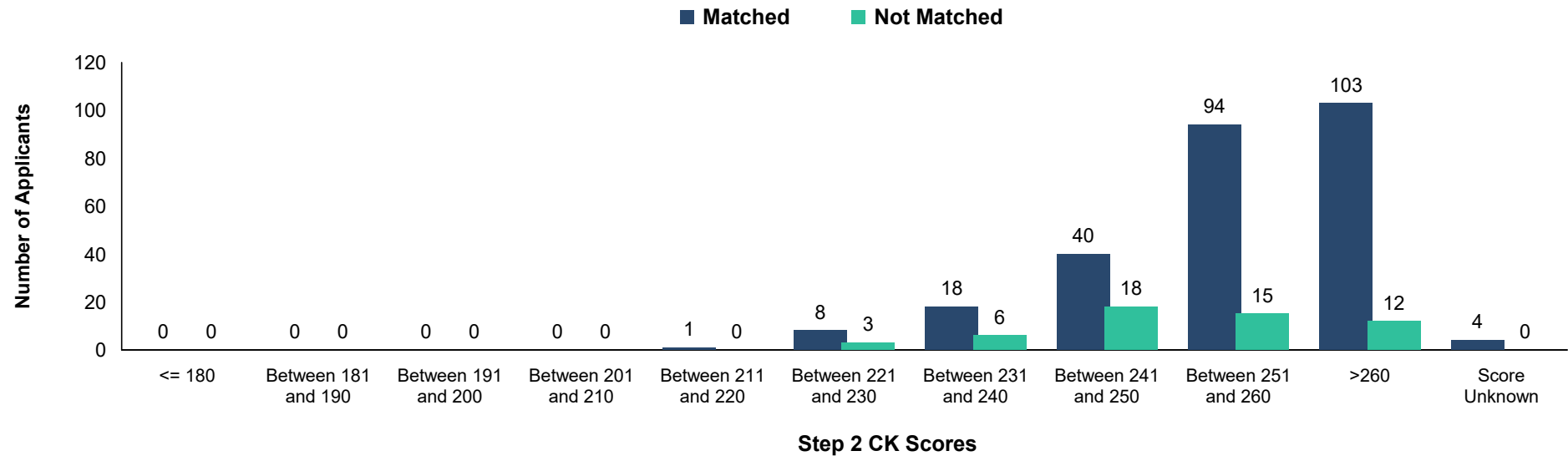
**Chart  
OTO-3**

**USMLE Step 1 Scores of U.S. MD Seniors  
*Otolaryngology***



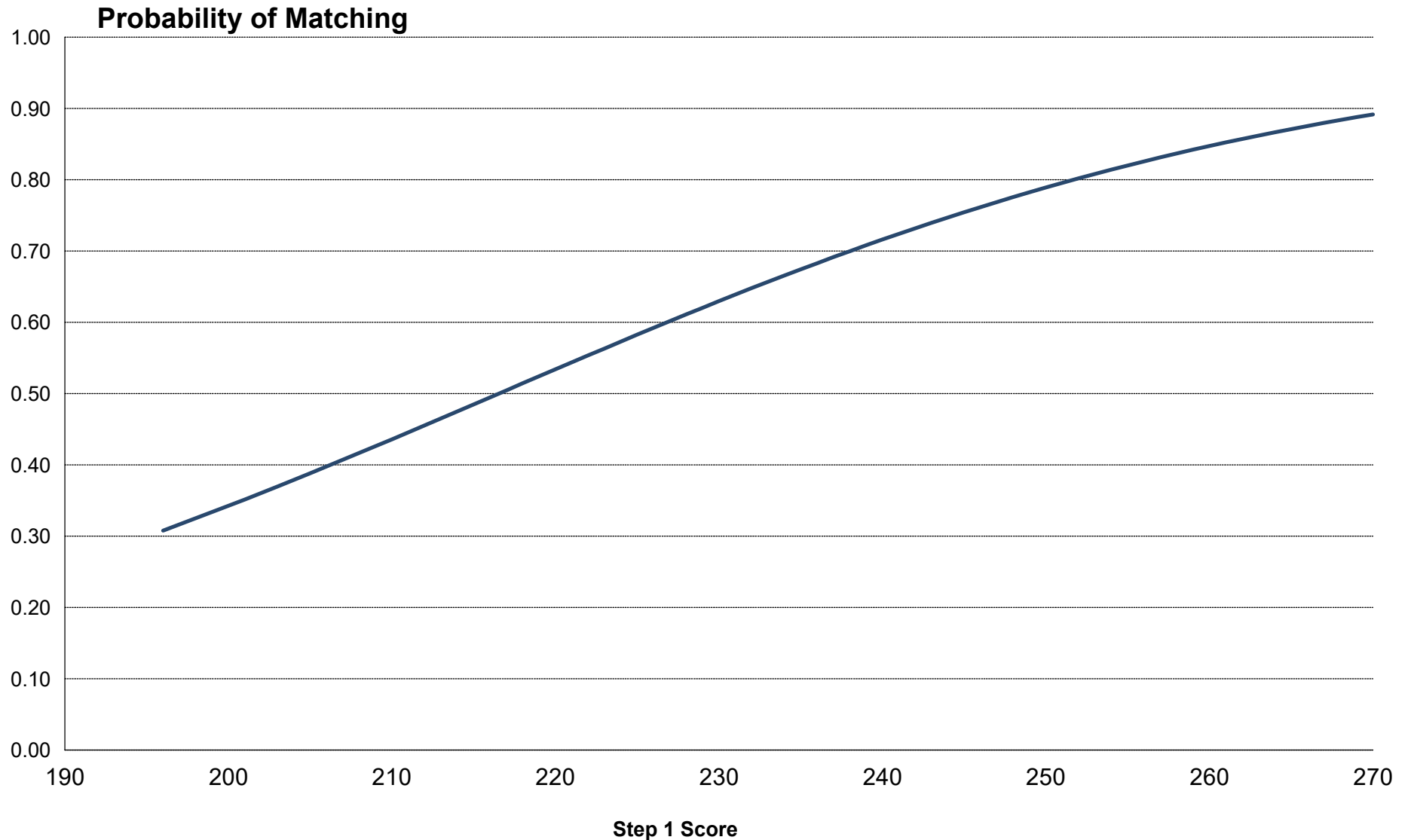
**Chart  
OTO-4**

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



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

## Otolaryngology

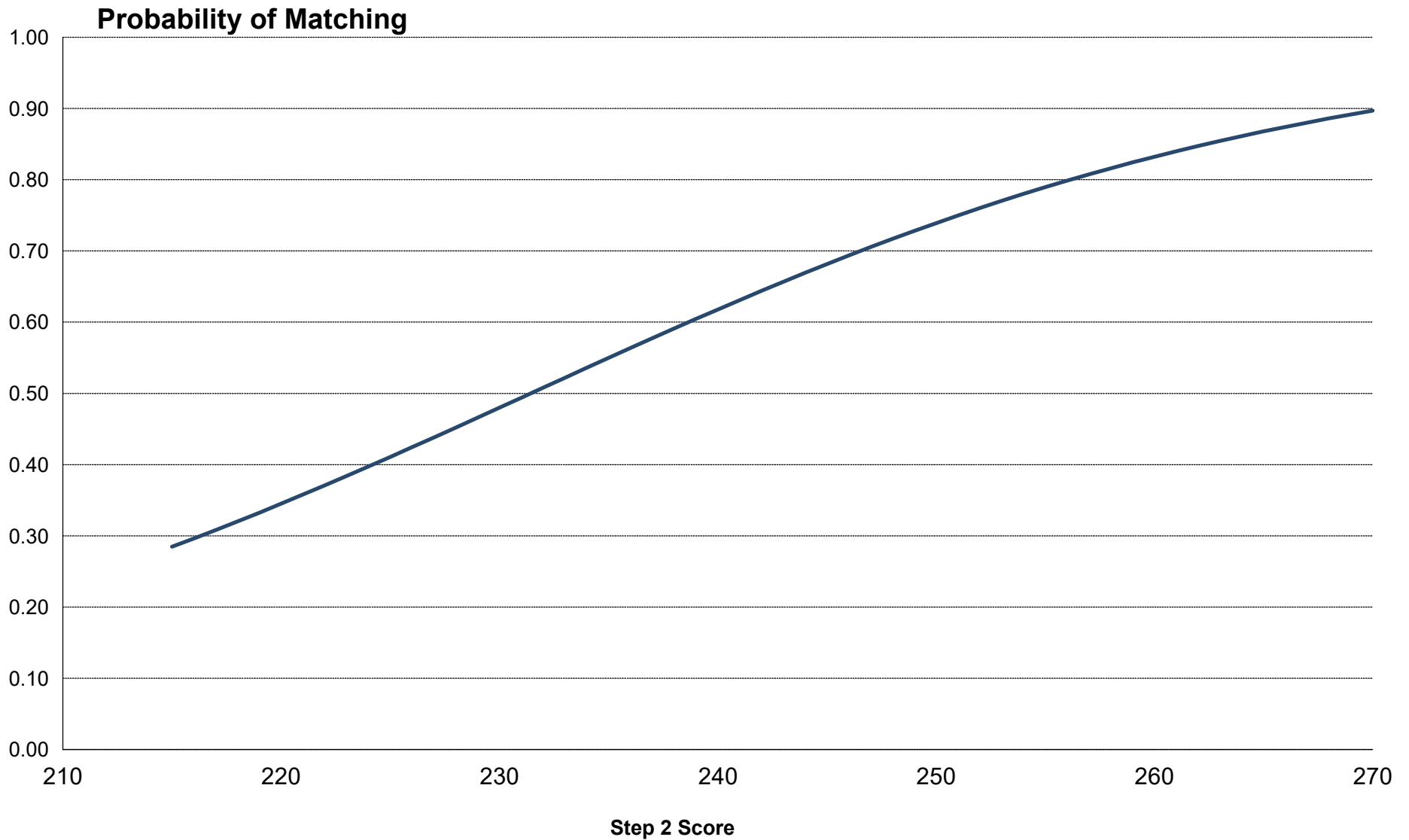


Source: NRMP Data Warehouse. Note: Probabilities calculated based on 2022-2024 applicants.



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

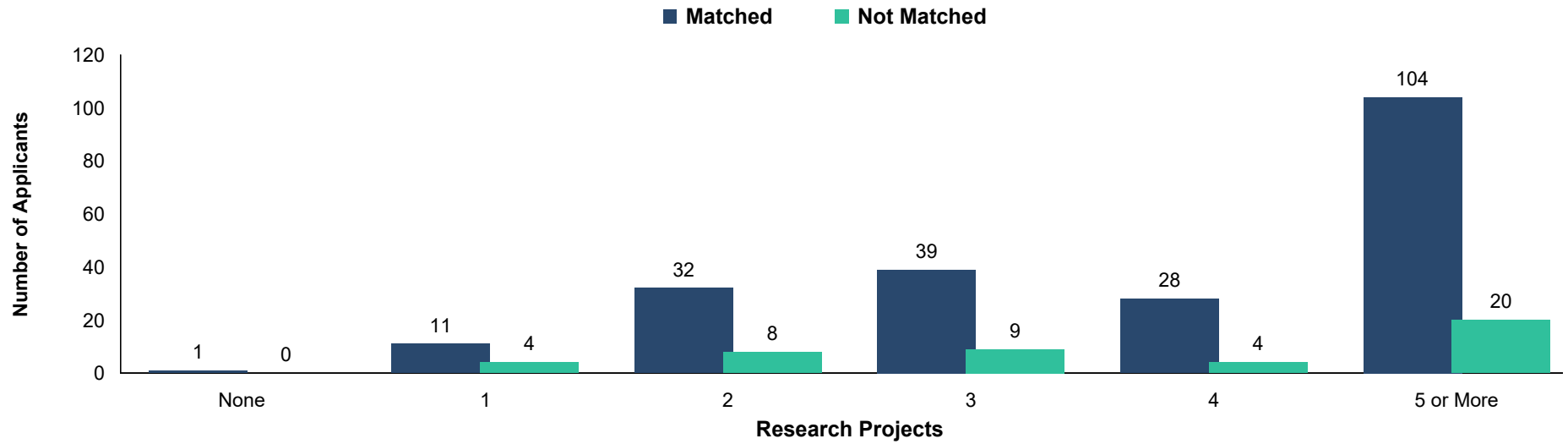
## Otolaryngology



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

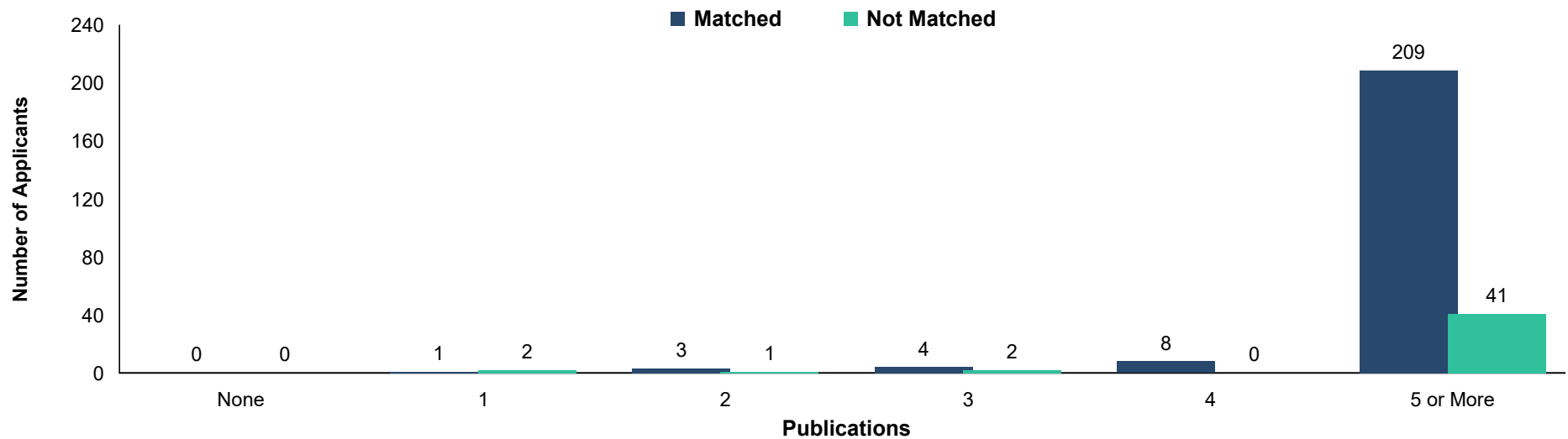
**Chart  
OTO-5**

**Number of Research Projects of U.S. MD Seniors  
Otolaryngology**



**Chart  
OTO-6**

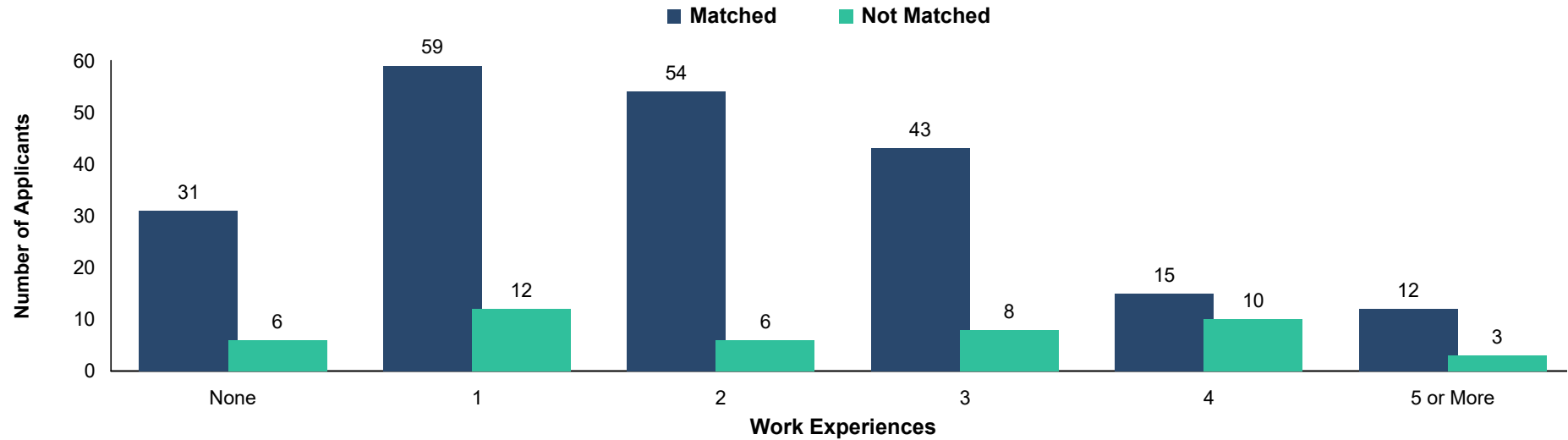
**Number of Abstracts, Presentations, and Publications of U.S. MD Seniors  
Otolaryngology**



Source: NRMP Data Warehouse

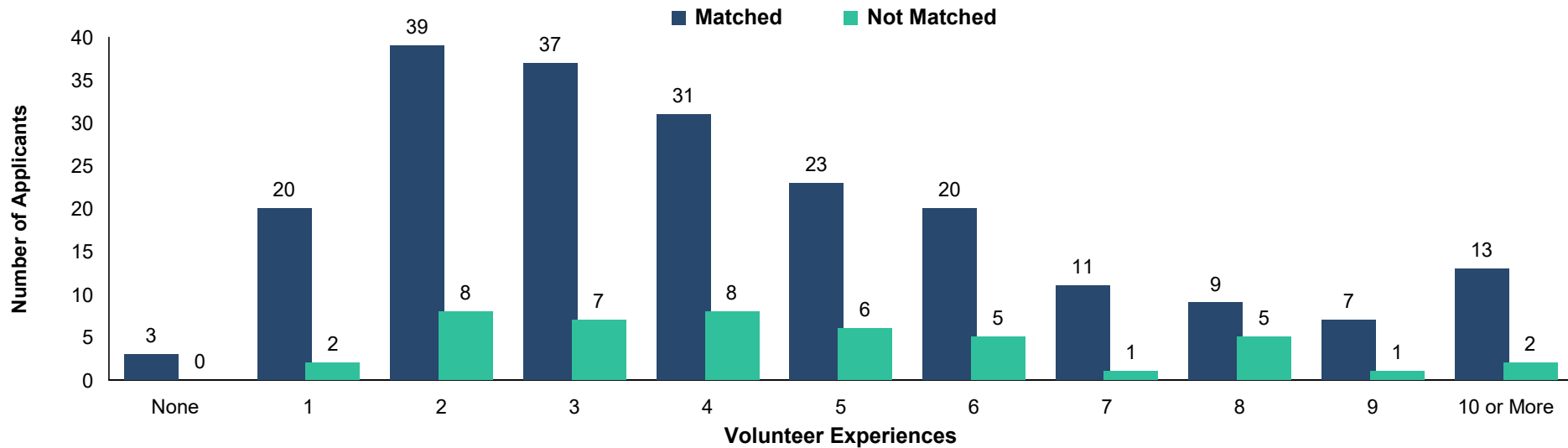
**Chart  
OTO-7**

**Number of Work Experiences of U.S. MD Seniors  
Otolaryngology**



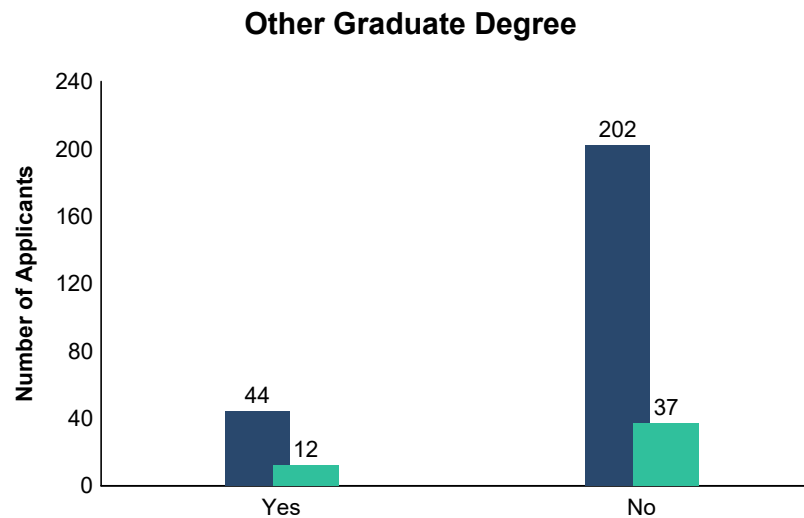
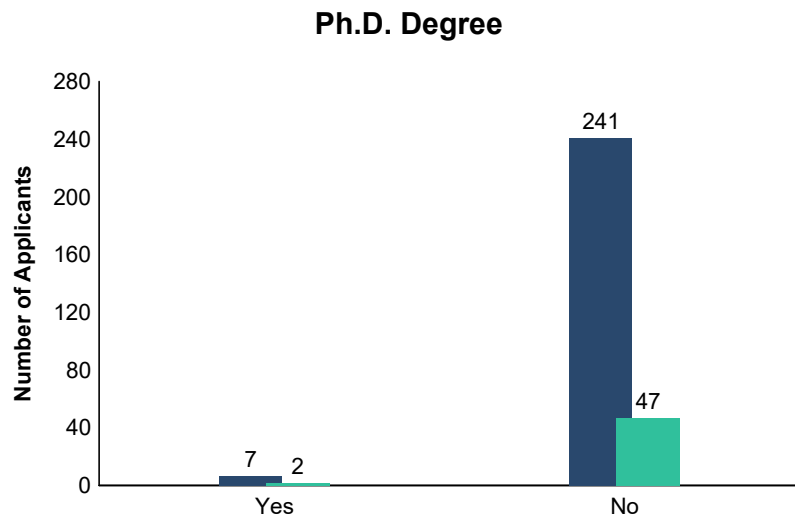
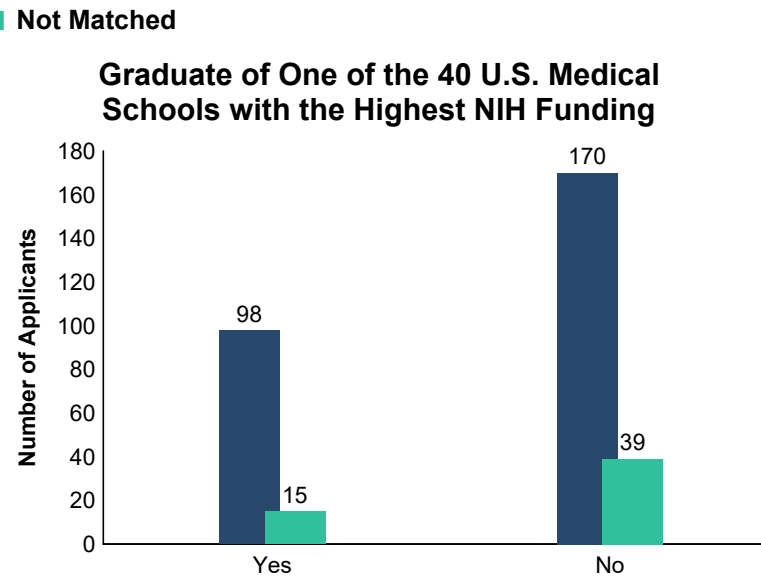
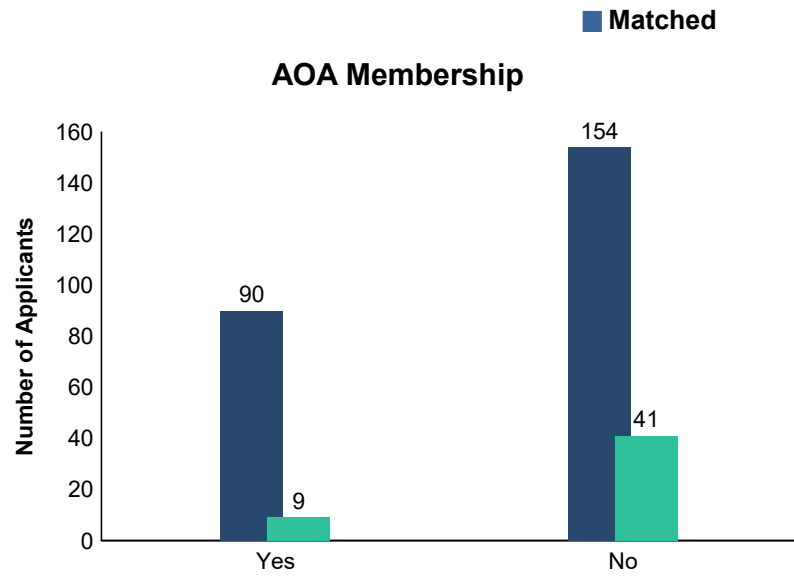
**Chart  
OTO-8**

**Number of Volunteer Experiences of U.S. MD Seniors  
Otolaryngology**



Source: NRMP Data Warehouse

**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>

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**PTH** Pathology

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

| Measure   | Matched<br>(n=213) | Unmatched<br>(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                |

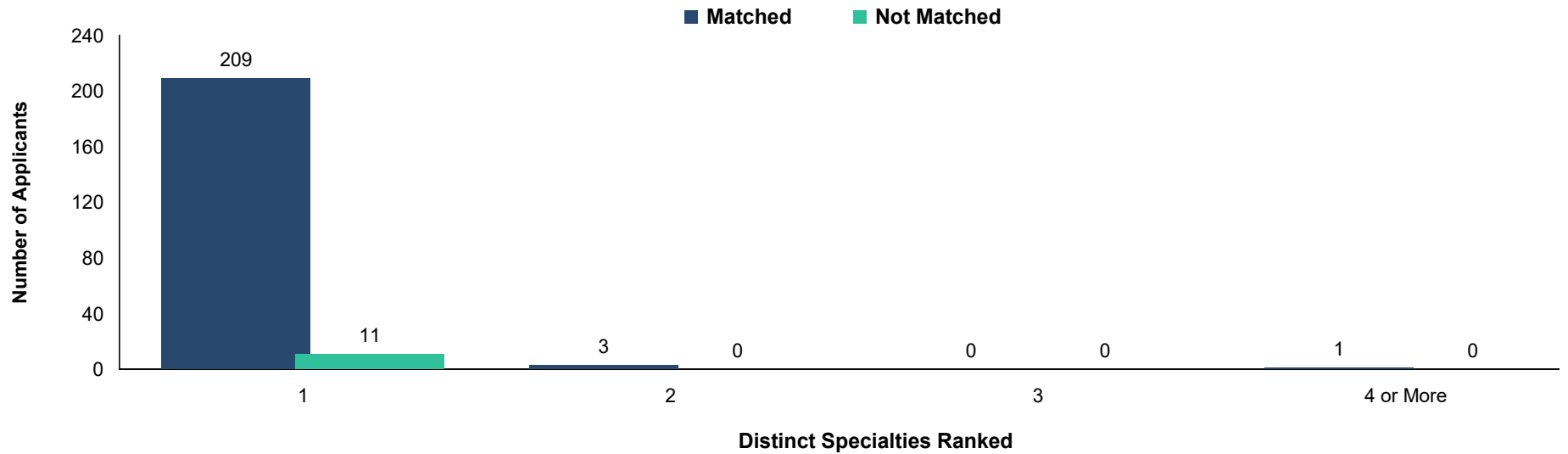
Note: Only U.S. MD seniors who gave consent to use their information in research are included.

\*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>).

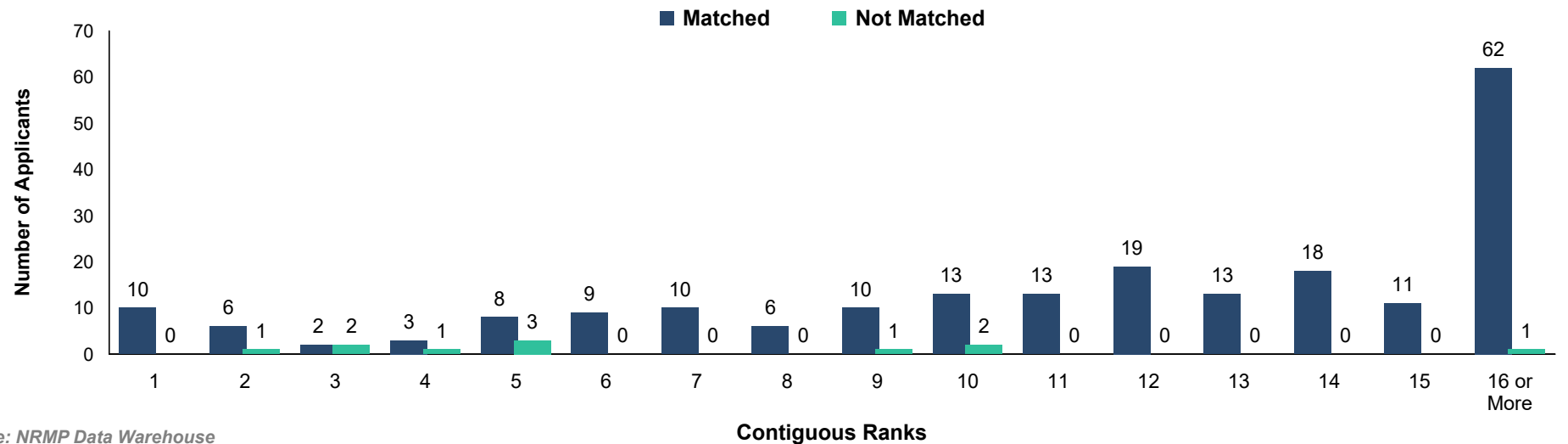
**Chart  
PTH-1**

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



**Chart  
PTH-2**

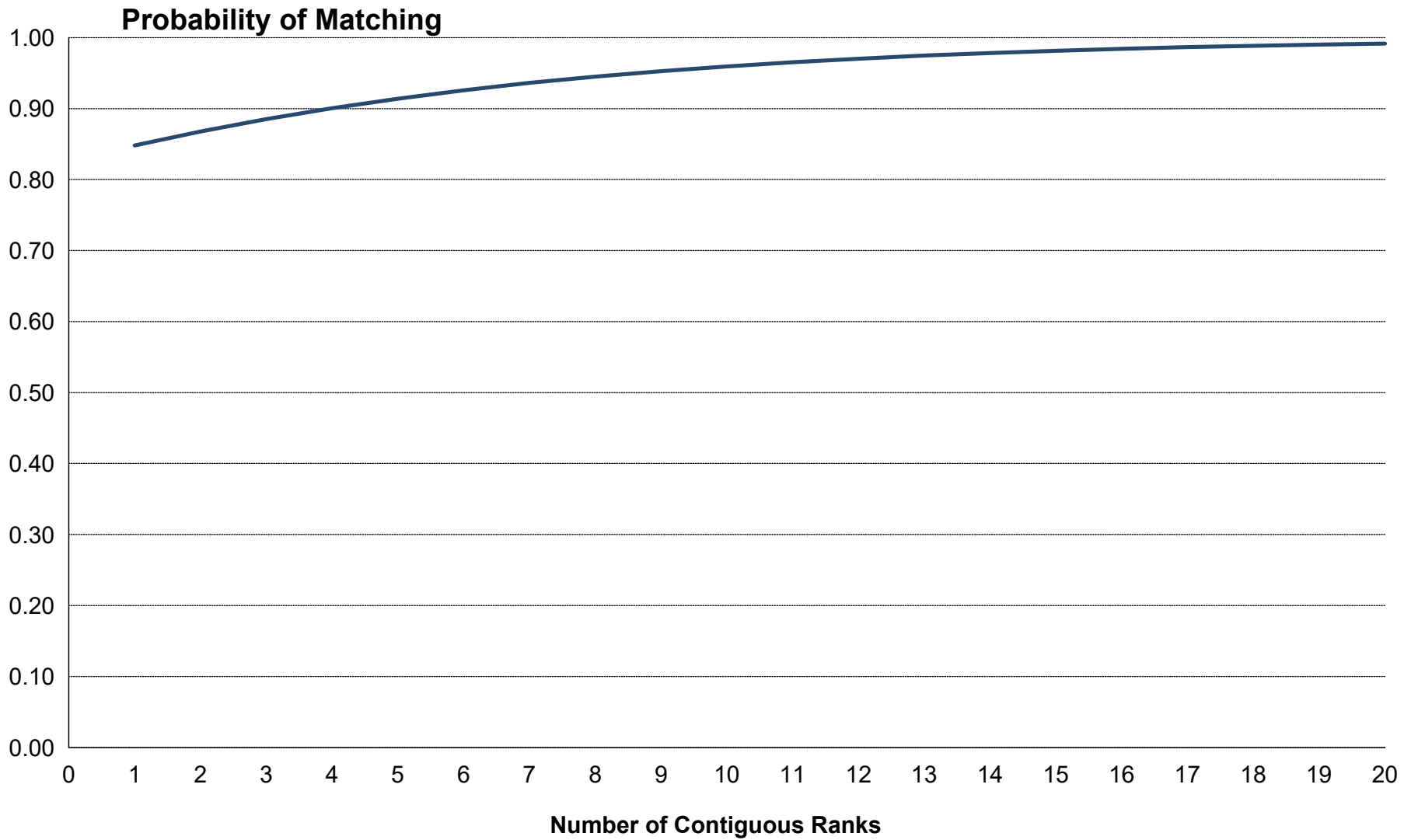
**Number of Contiguous Ranks of U.S. MD Seniors  
Pathology**



Source: NRMP Data Warehouse

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

*Pathology*

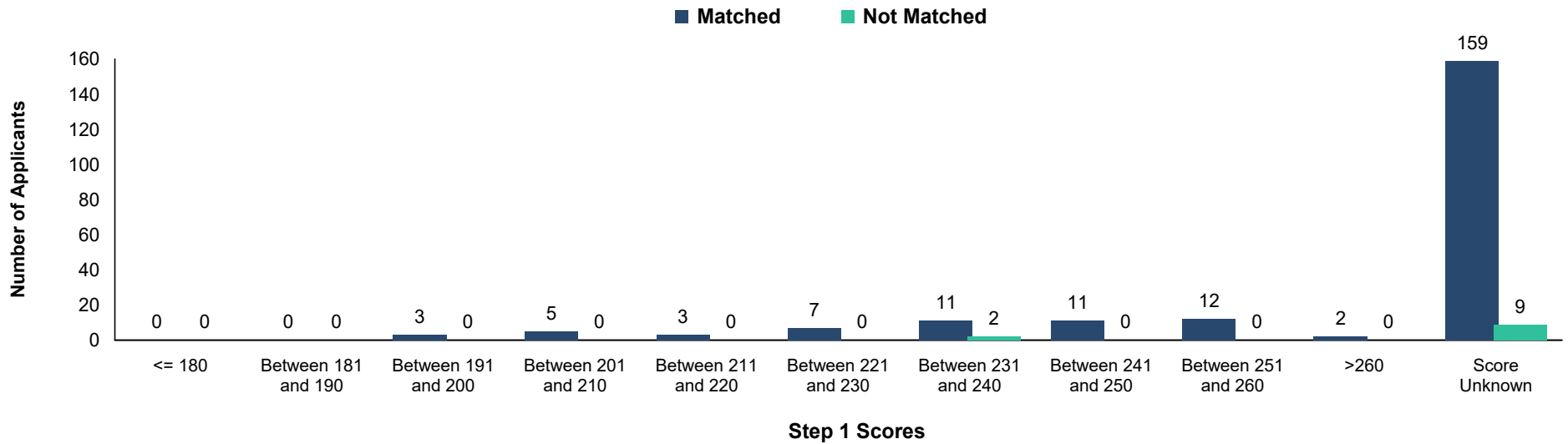


Source: NRMP Data Warehouse. Note: Probabilities calculated based on 2022-2024 applicants



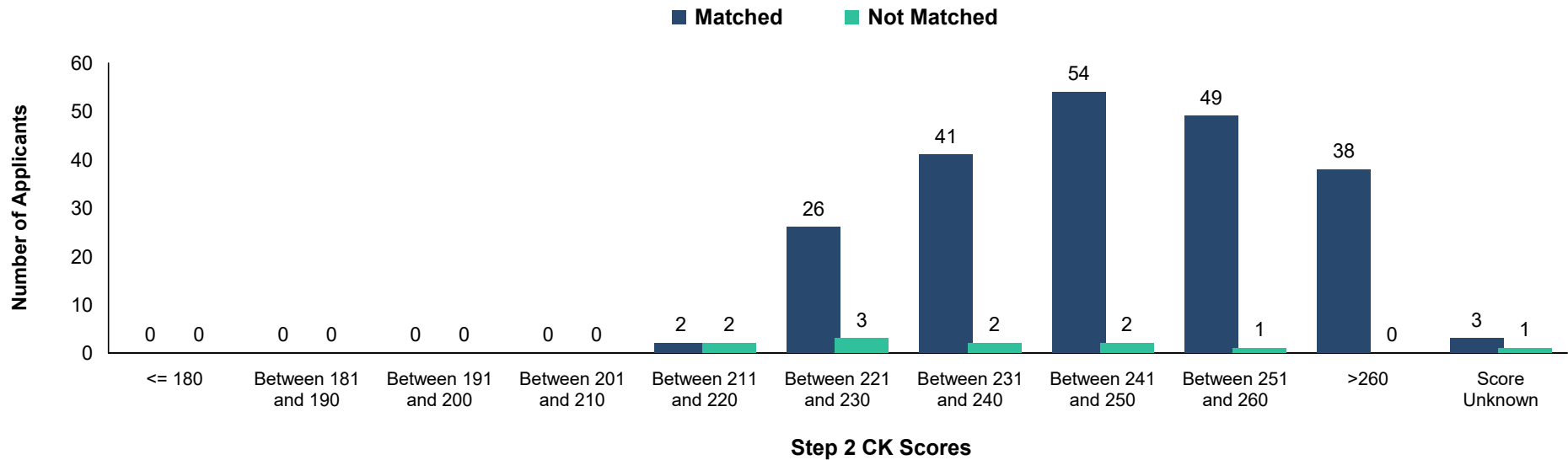
**Chart  
PTH-3**

**USMLE Step 1 Scores of U.S. MD Seniors  
Pathology**



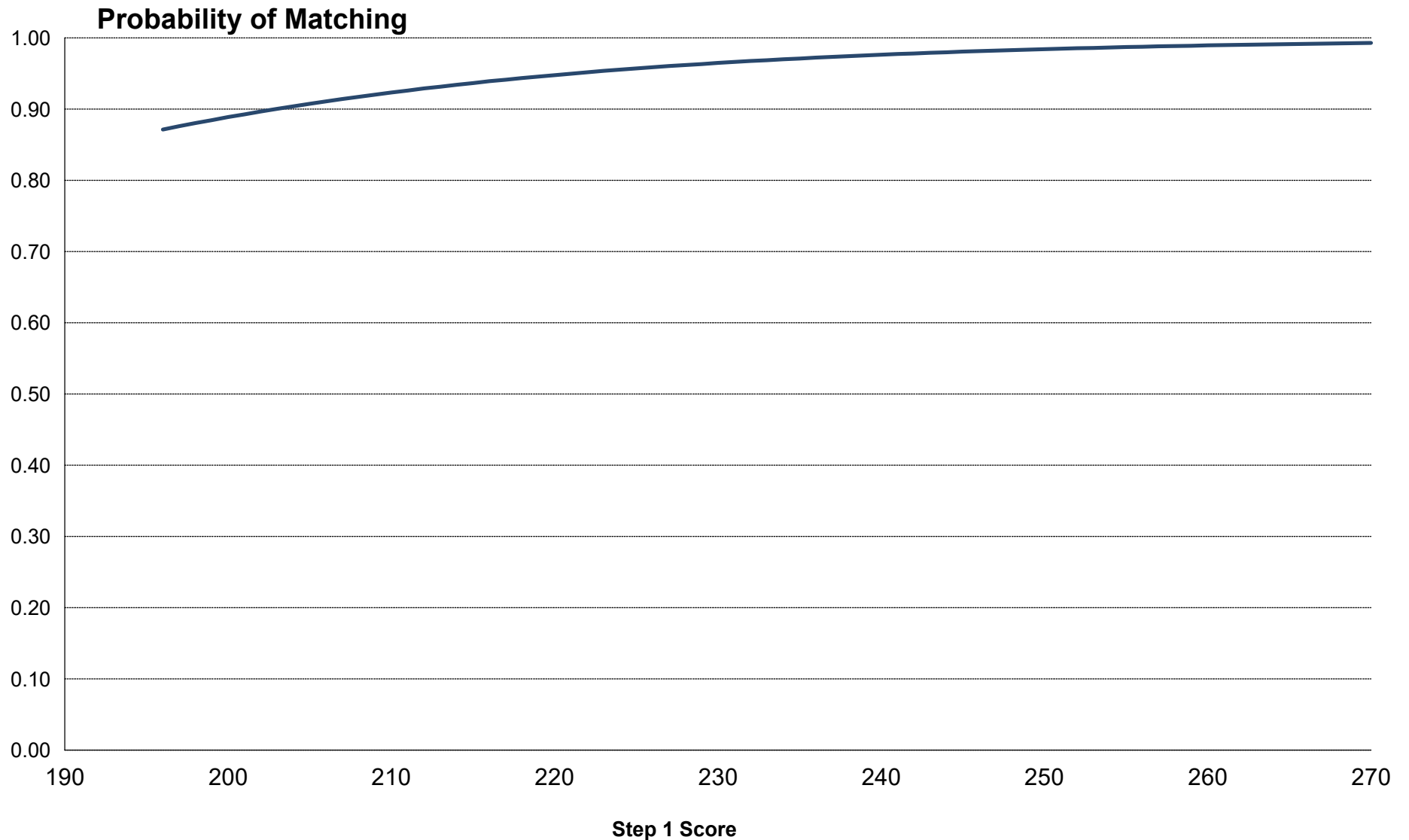
**Chart  
PTH-4**

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



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

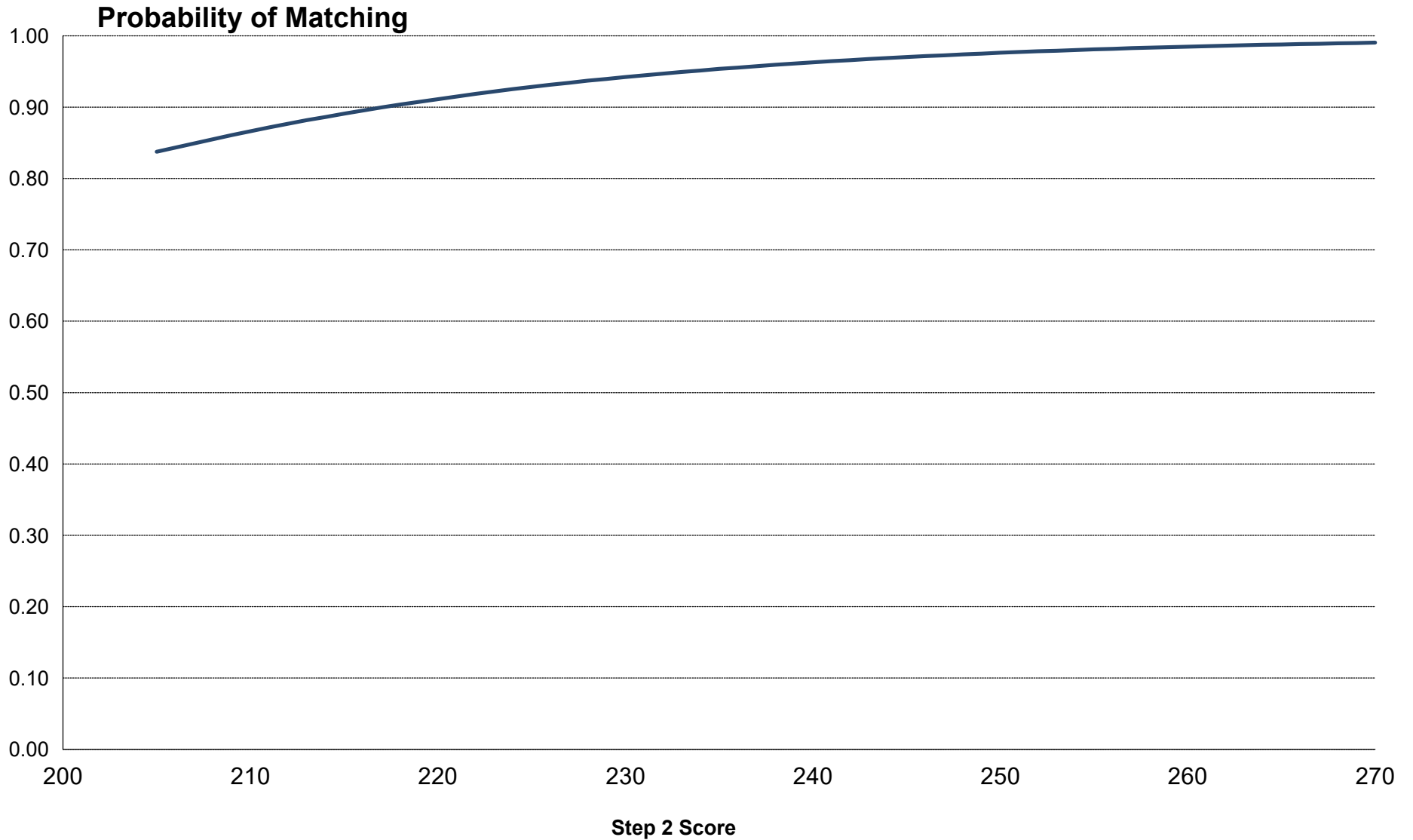
*Pathology*



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

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

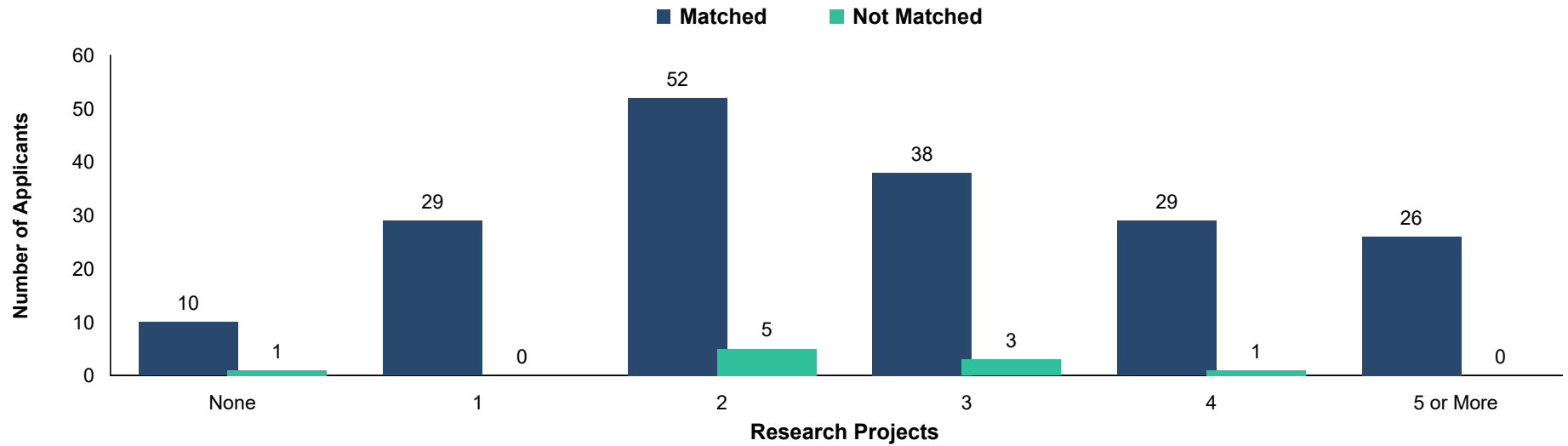
*Pathology*



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

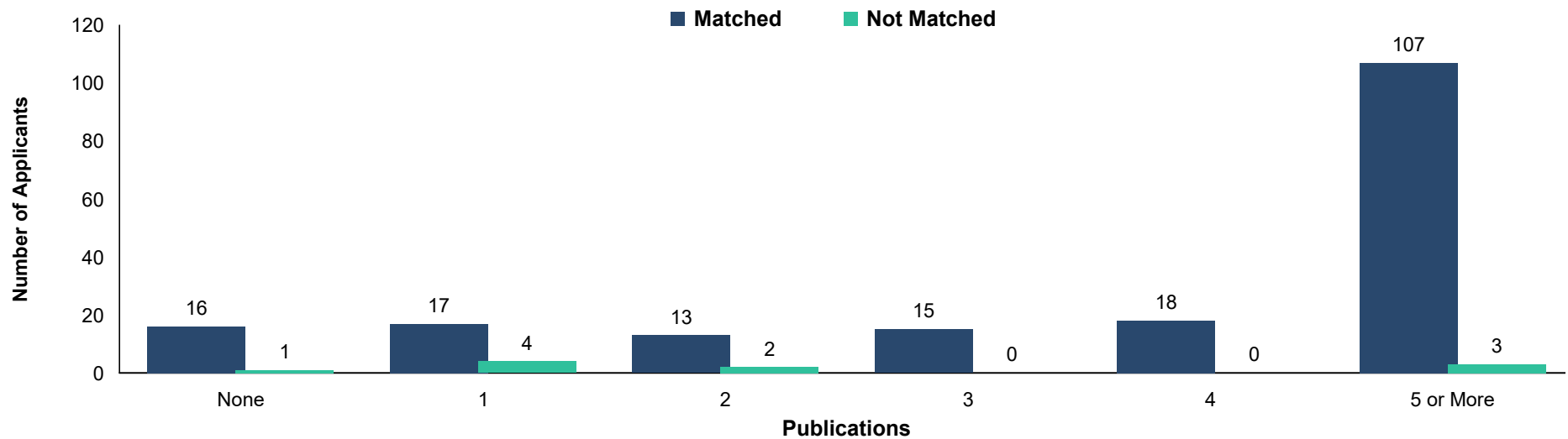
**Chart  
PTH-5**

**Number of Research Projects of U.S. MD Seniors  
Pathology**



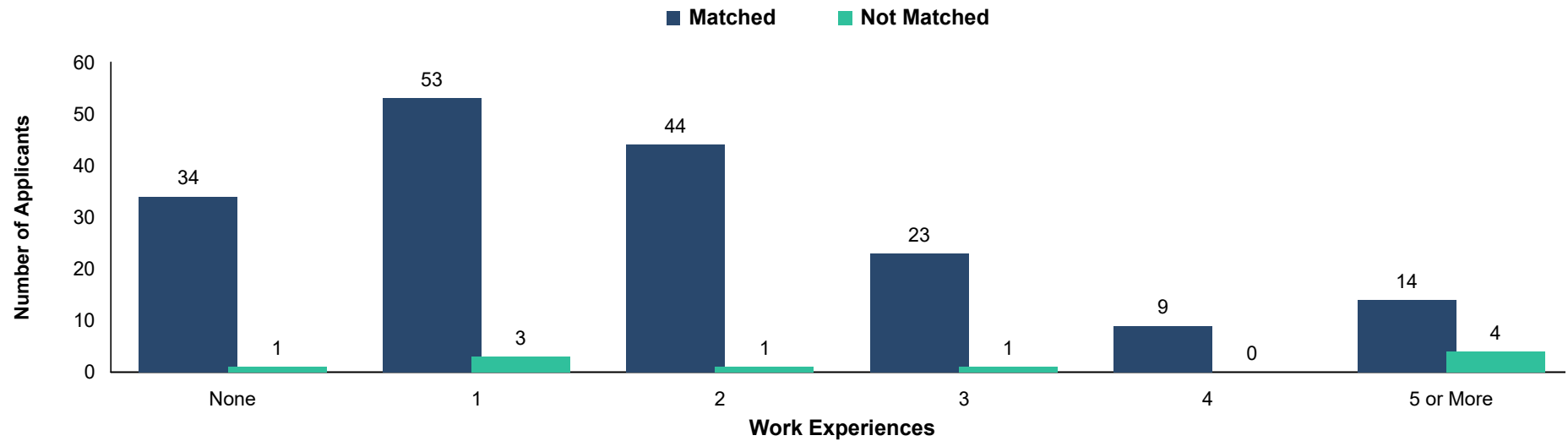
**Chart  
PTH-6**

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

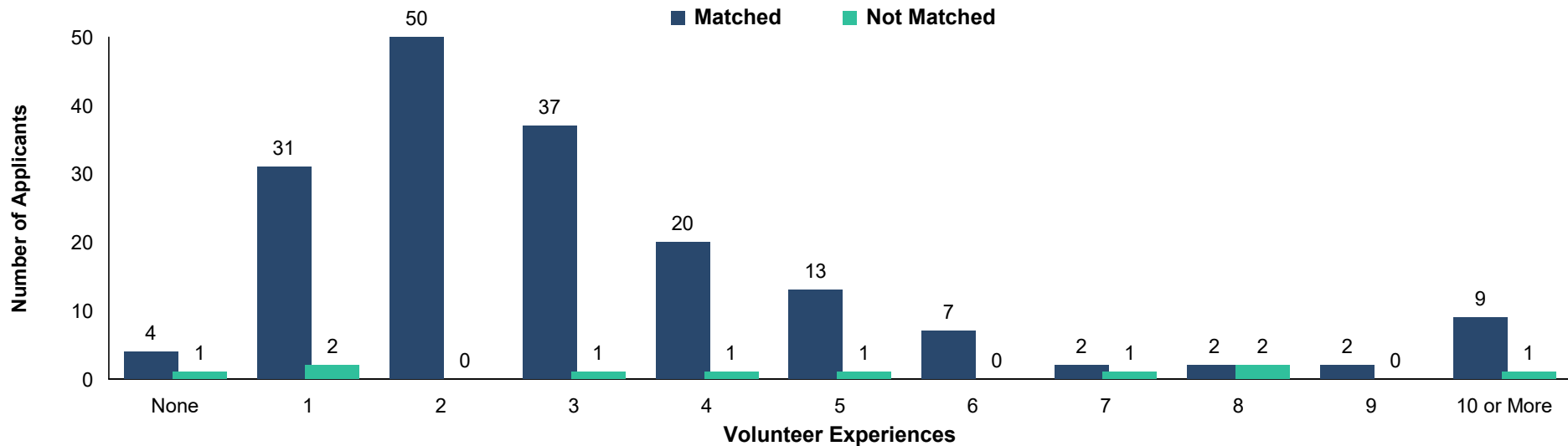


Source: NRMP Data Warehouse

**Chart PTH-7** Number of Work Experiences of U.S. MD Seniors  
*Pathology*

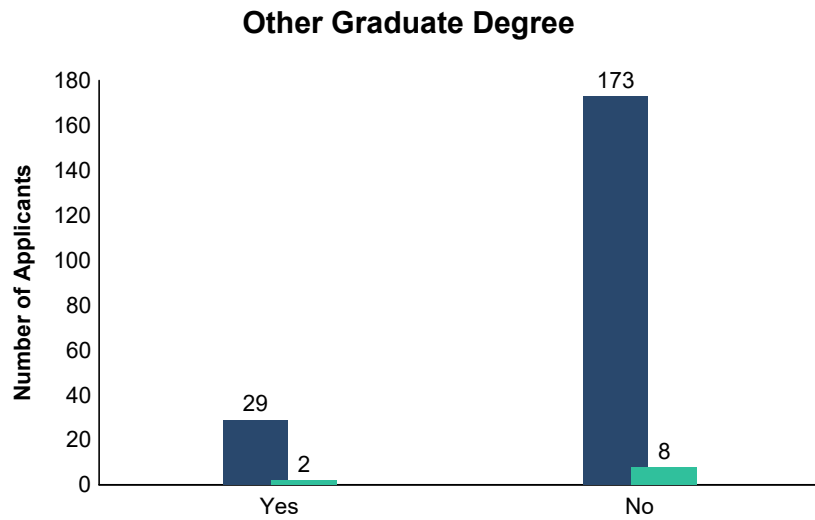
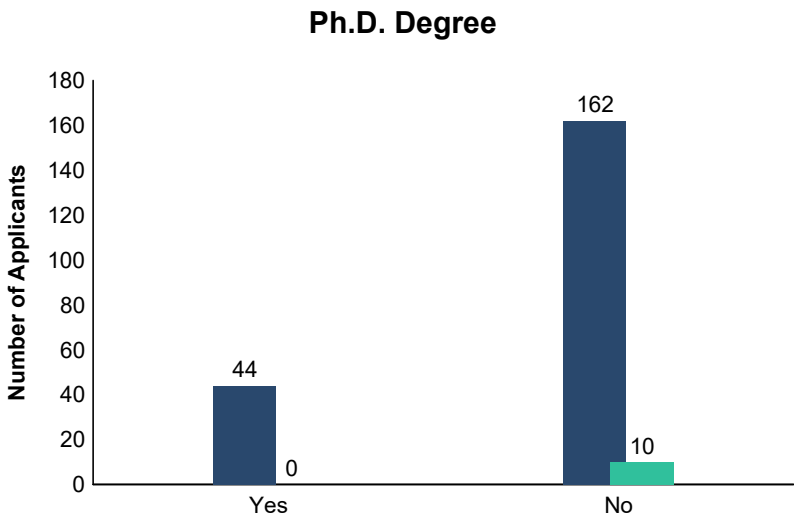
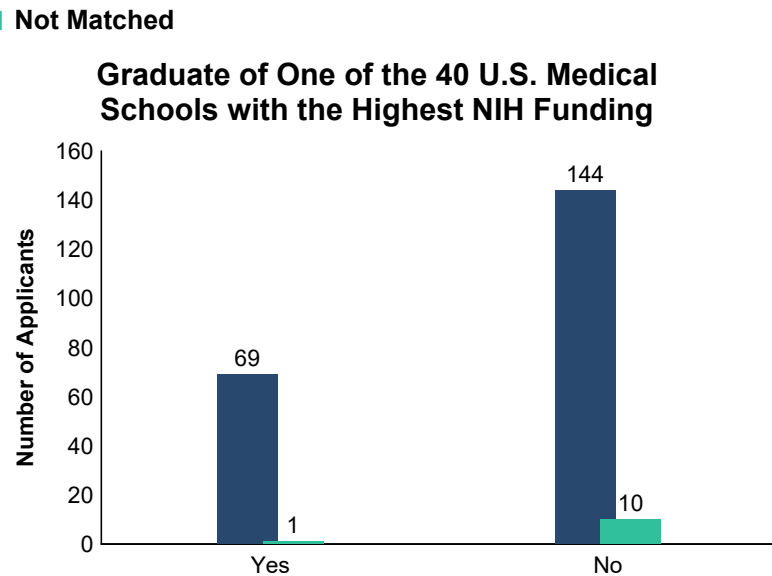
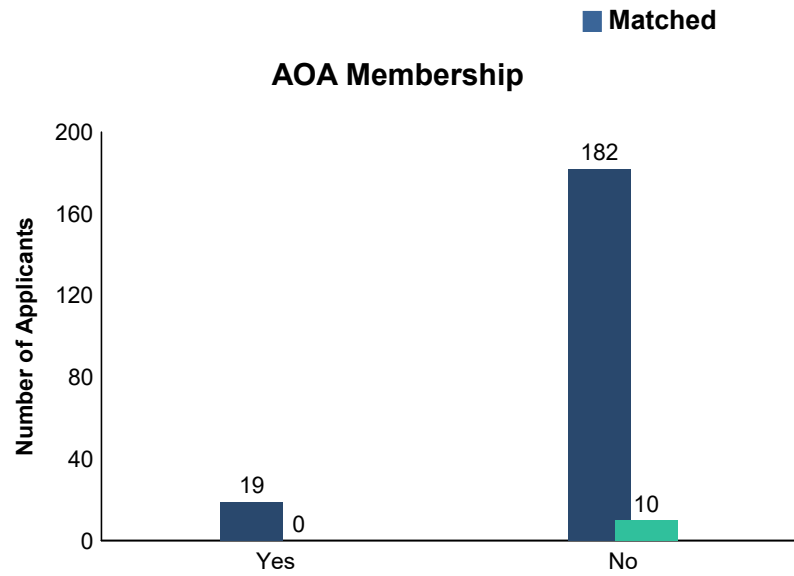


**Chart PTH-8** Number of Volunteer Experiences of U.S. MD Seniors  
*Pathology*



Source: NRMP Data Warehouse

**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>

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**PD** Pediatrics

## Summary Statistics on U.S. MD Seniors *Pediatrics*

| Measure   | Matched<br>(n=1,216) | Unmatched<br>(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.

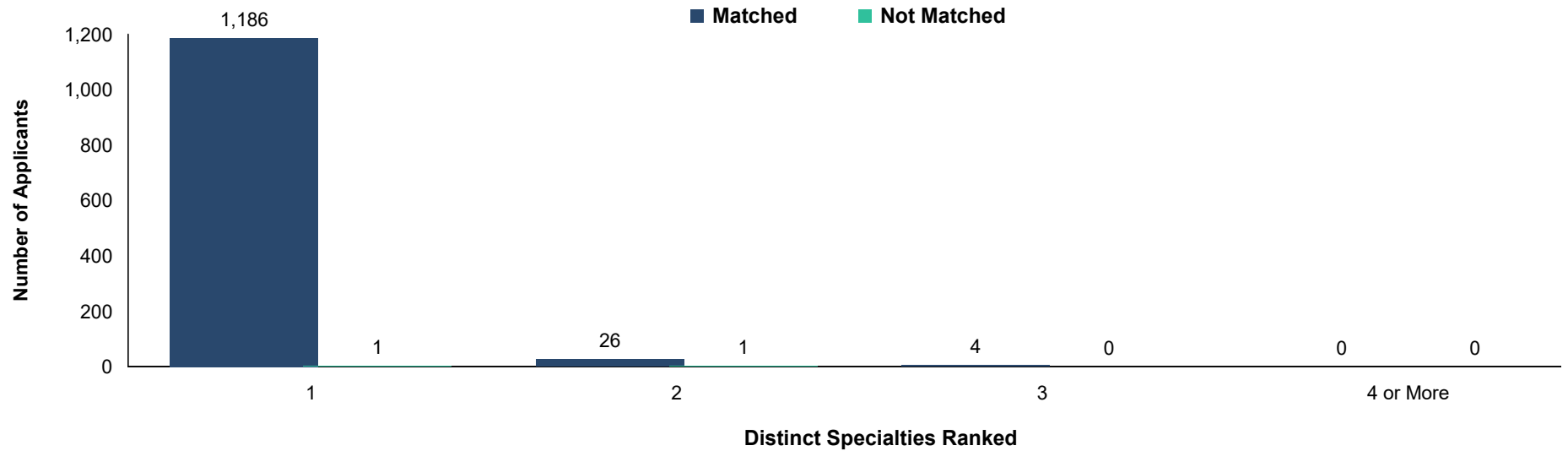
\*Only applicants who indicated completion of the USMLE Step 1 exam prior to the transition to pass/fail (i.e., prior to January 26, 2022) had the option to self-report their Step 1 numeric score. In 2024, only 2,143 U.S. MD seniors self-reported Step 1 numeric scores.

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>).



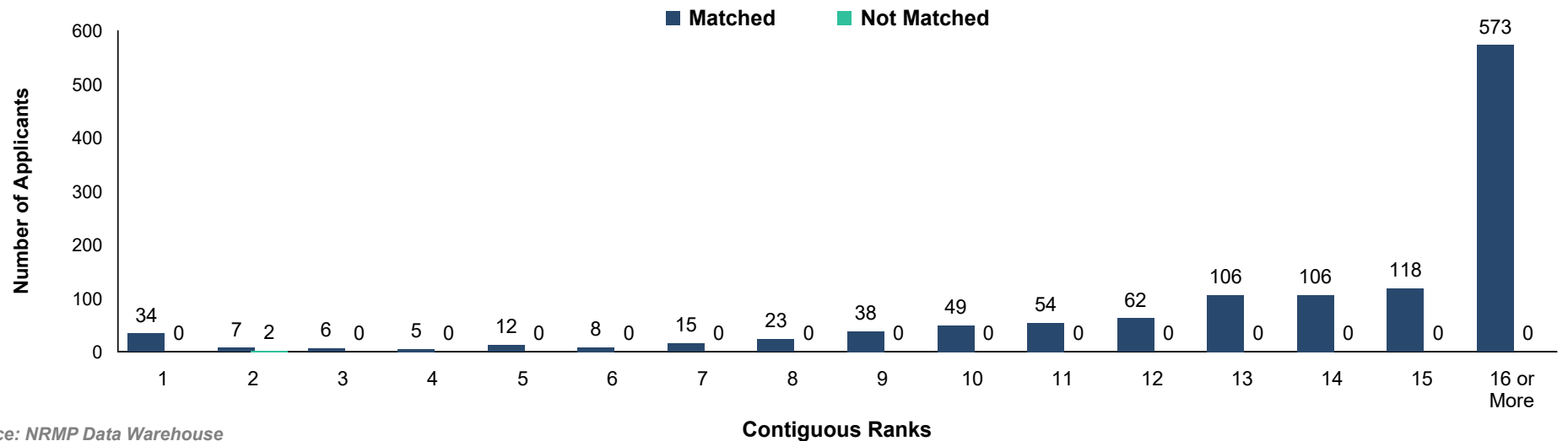
**Chart  
PD-1**

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



**Chart  
PD-2**

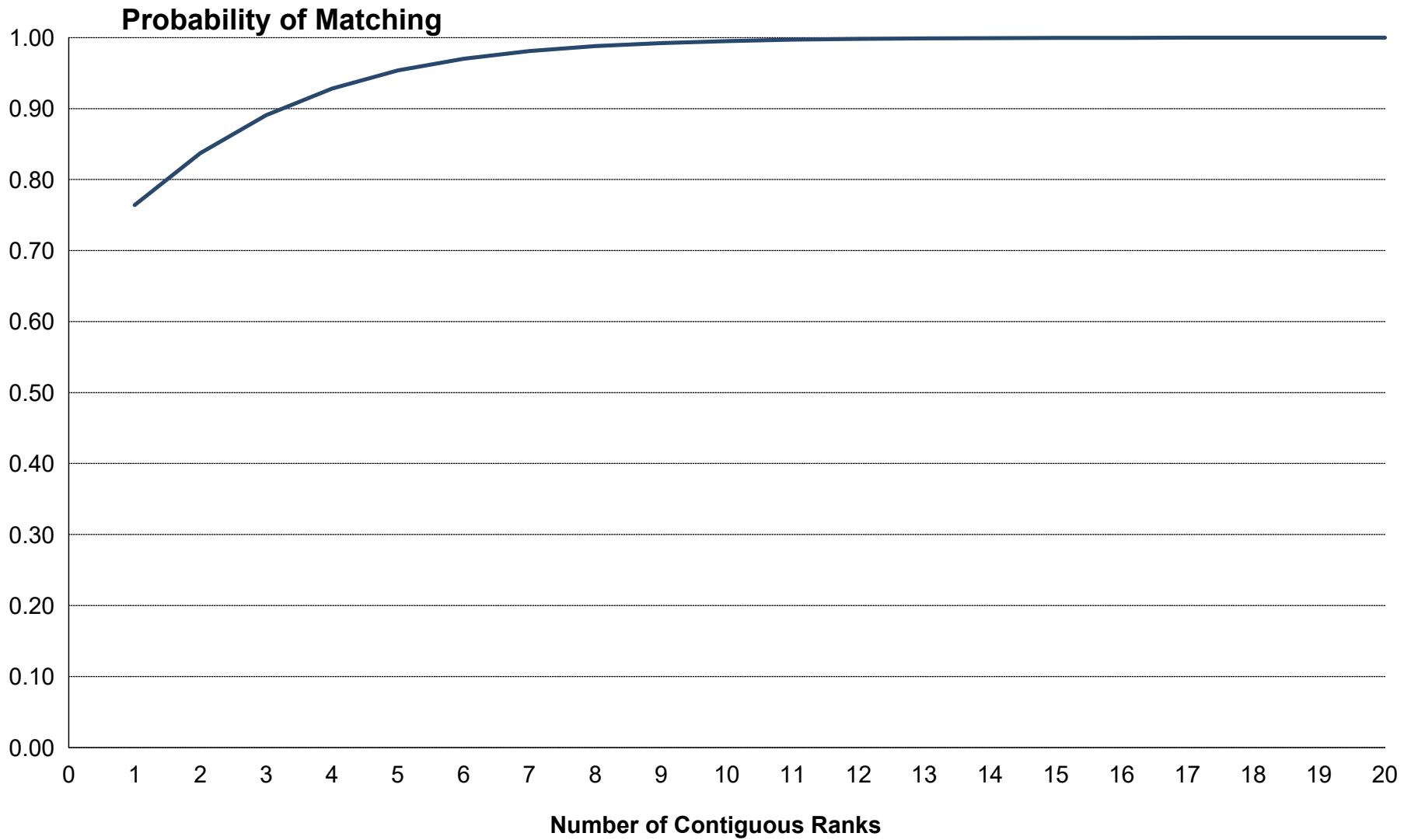
**Number of Contiguous Ranks of U.S. MD Seniors  
*Pediatrics***



Source: NRMP Data Warehouse

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

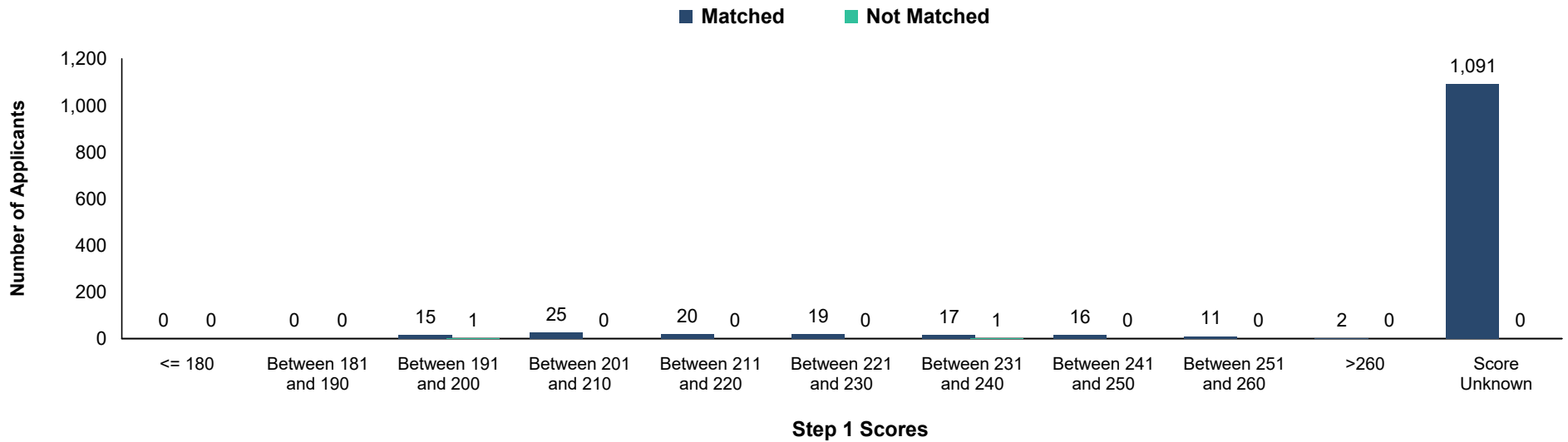
*Pediatrics*



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

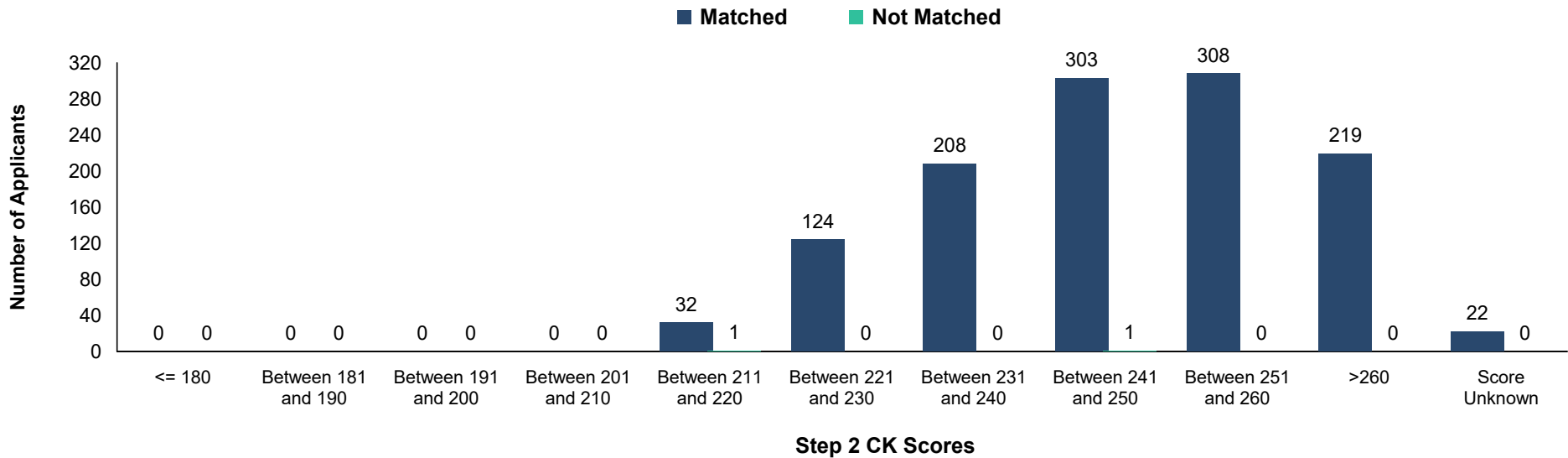
**Chart  
PD-3**

**USMLE Step 1 Scores of U.S. MD Seniors  
*Pediatrics***



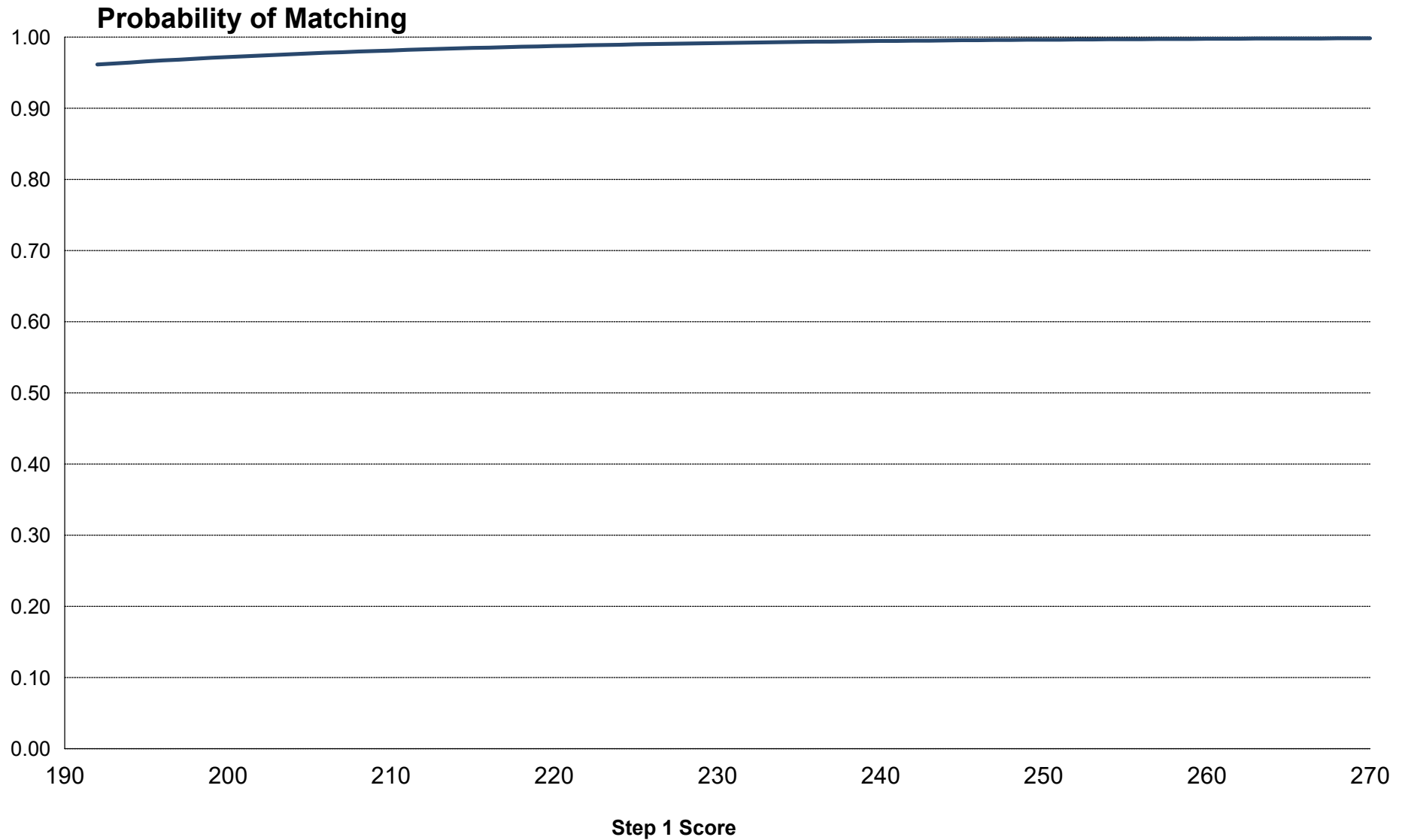
**Chart  
PD-4**

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



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

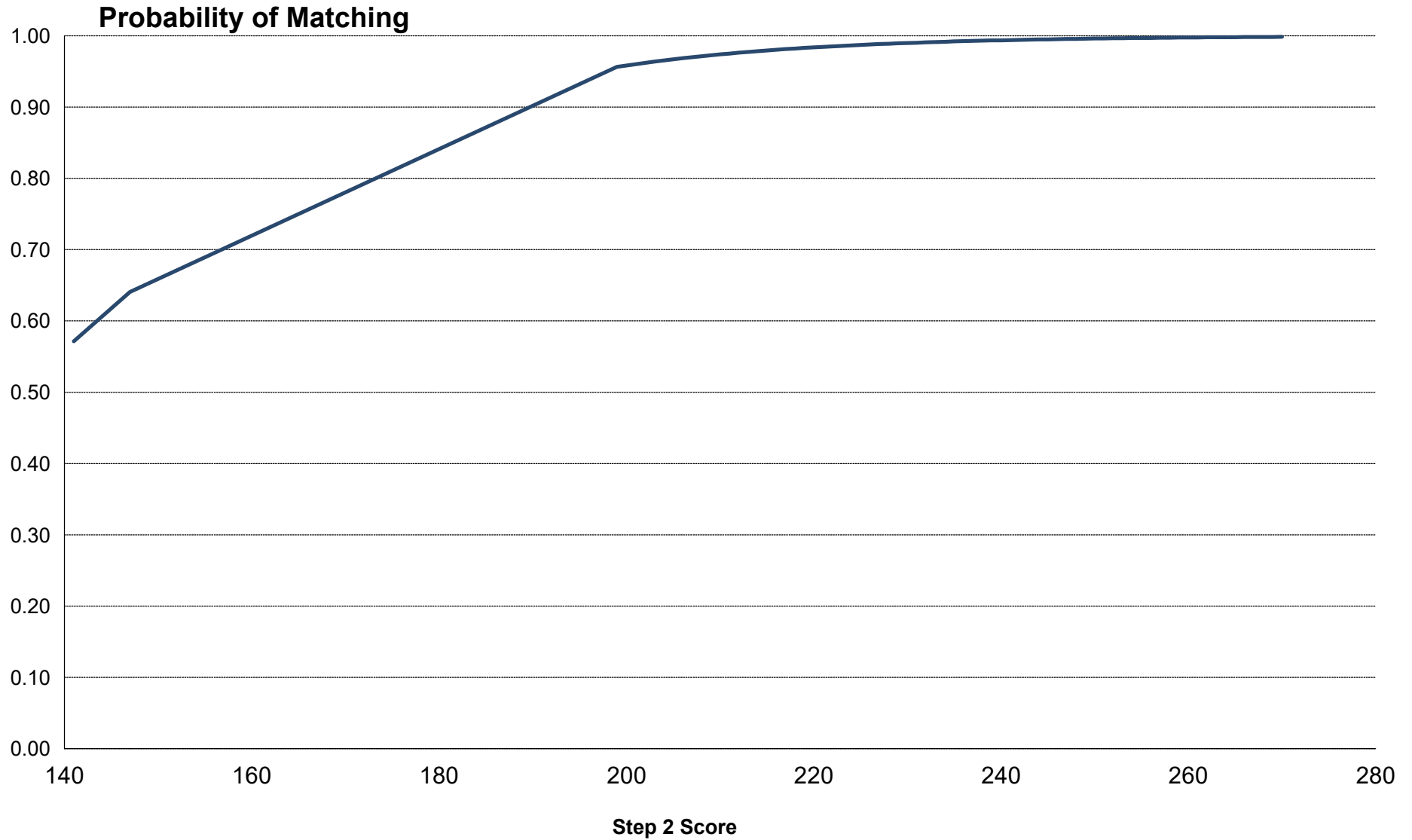
## *Pediatrics*



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

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

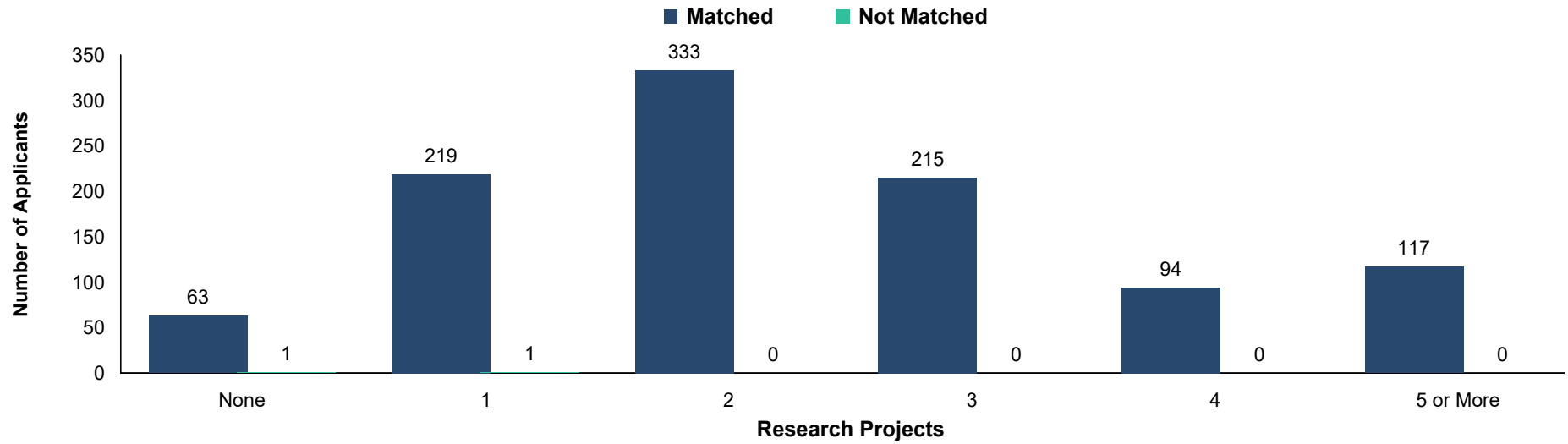
## *Pediatrics*



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

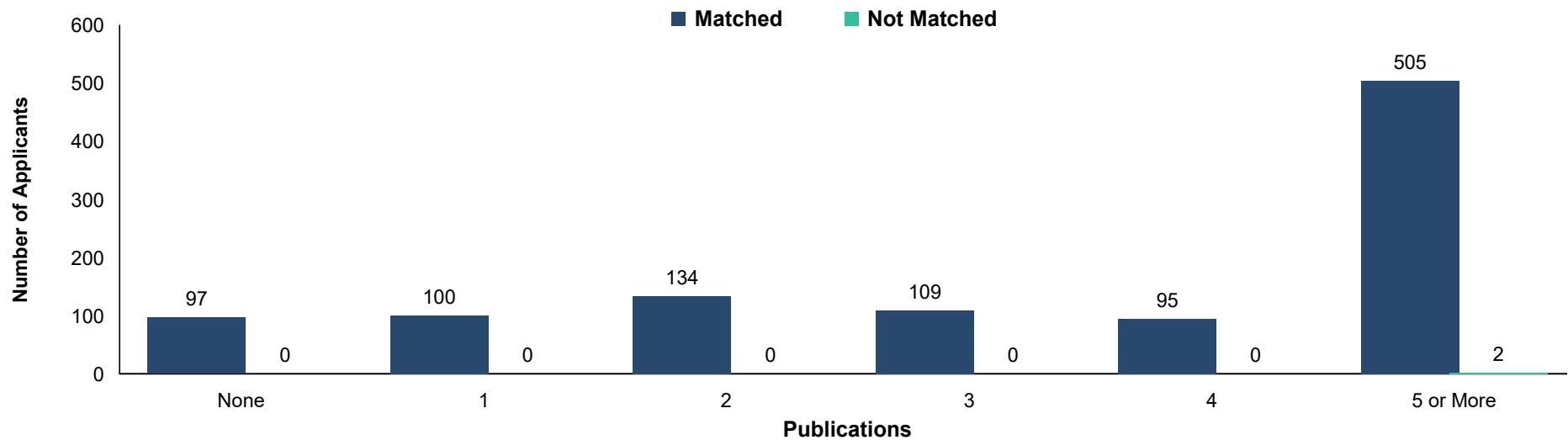
**Chart  
PD-5**

**Number of Research Projects of U.S. MD Seniors  
*Pediatrics***



**Chart  
PD-6**

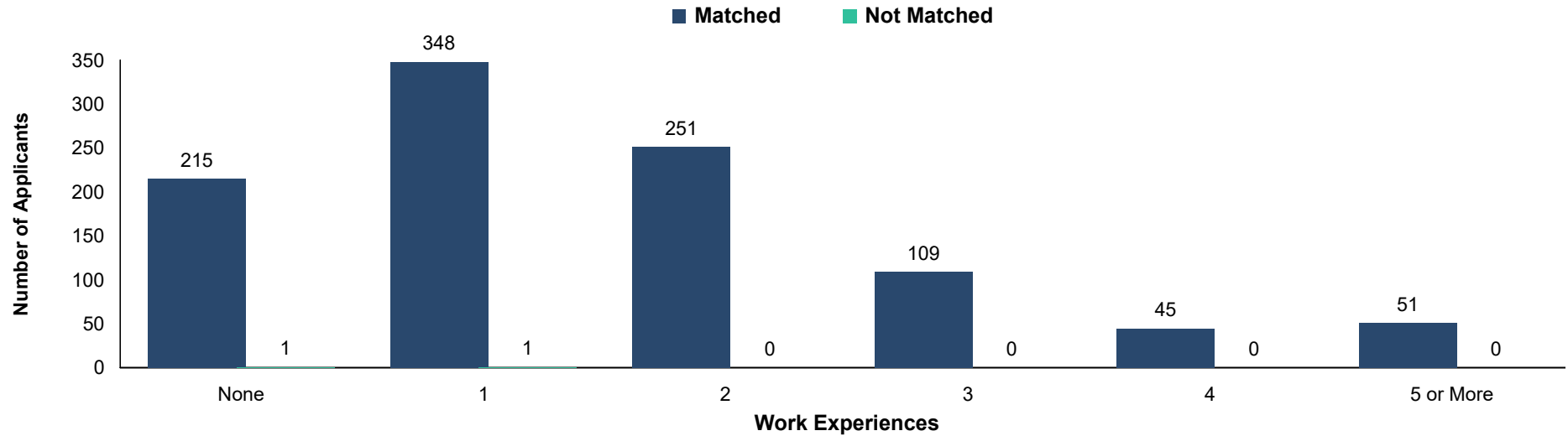
**Number of Abstracts, Presentations, and Publications of U.S. MD Seniors  
*Pediatrics***



Source: NRMP Data Warehouse

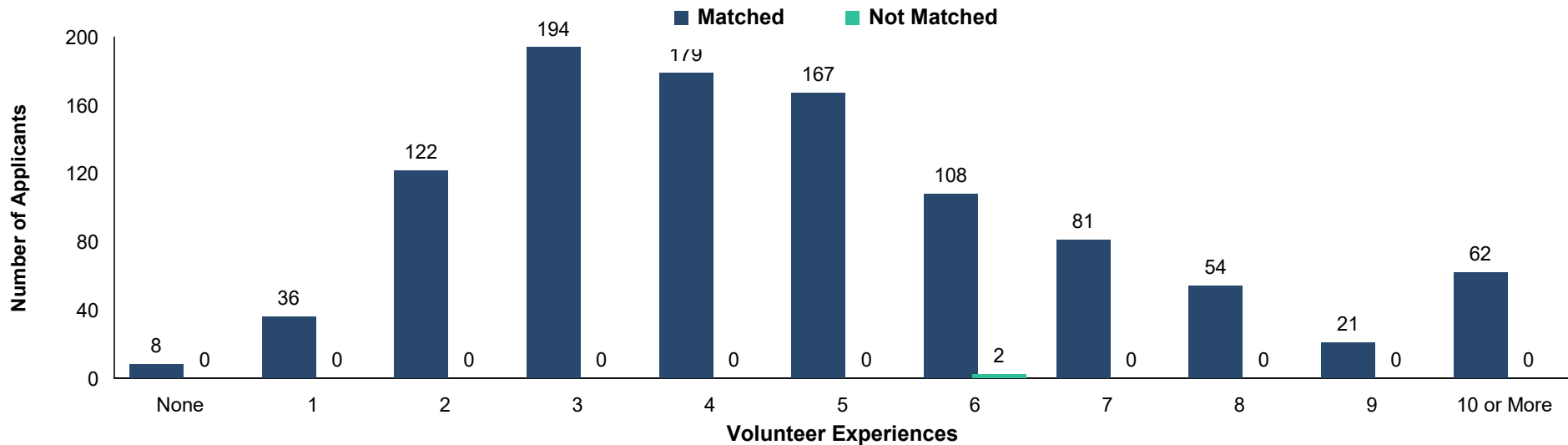
**Chart  
PD-7**

**Number of Work Experiences of U.S. MD Seniors  
*Pediatrics***



**Chart  
PD-8**

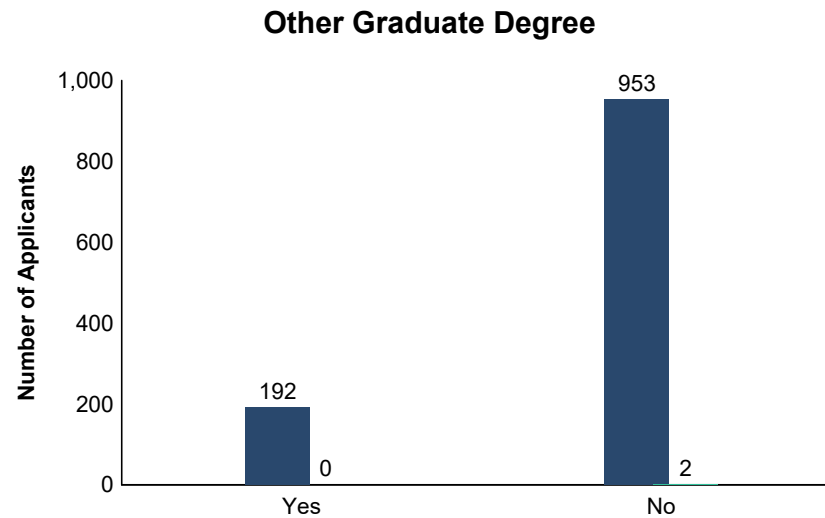
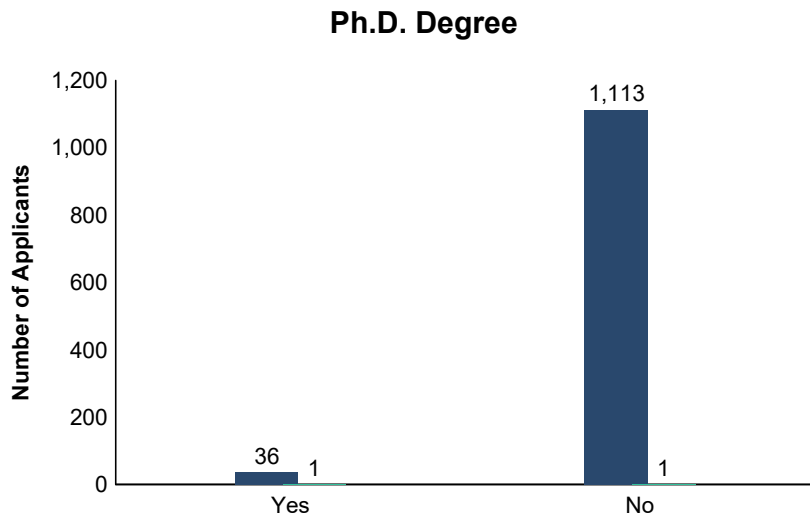
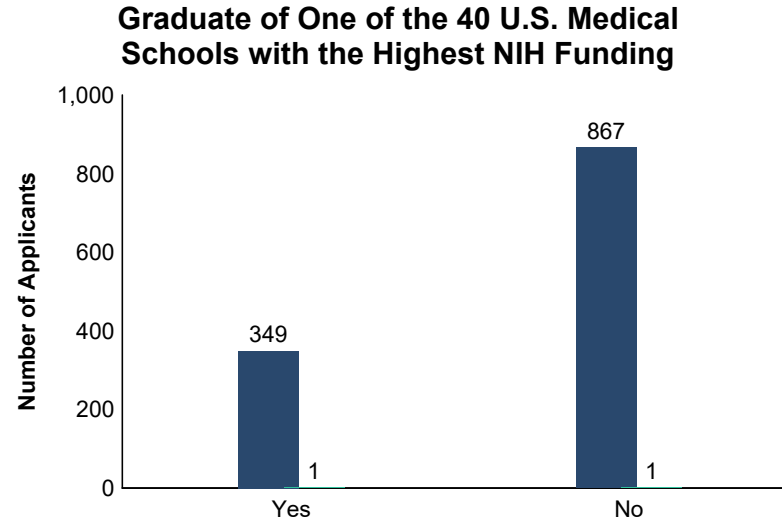
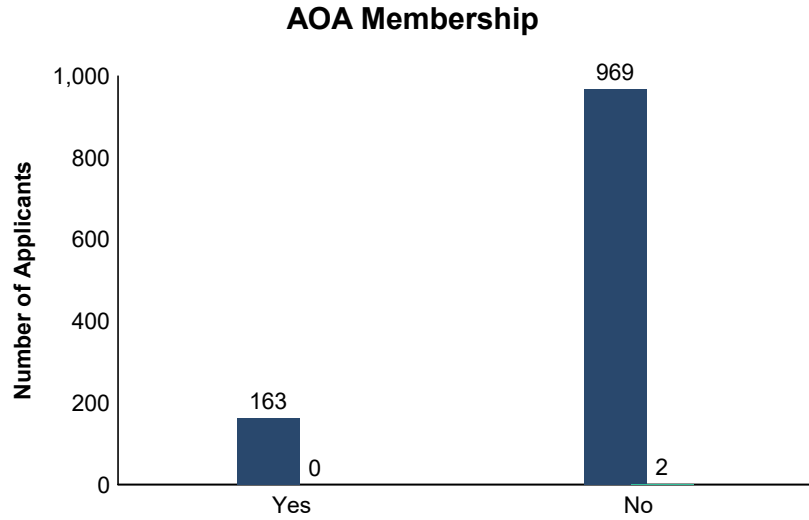
**Number of Volunteer Experiences of U.S. MD Seniors  
*Pediatrics***



Source: NRMP Data Warehouse

**Other Characteristics of U.S. MD Seniors  
*Pediatrics***

■ Matched ■ Not Matched



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



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**PM** Physical Medicine and Rehabilitation

**Table PM-1** **Summary Statistics on U.S. MD Seniors**  
*Physical Medicine and Rehabilitation*

| Measure   | Matched<br>(n=231) | Unmatched<br>(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                |

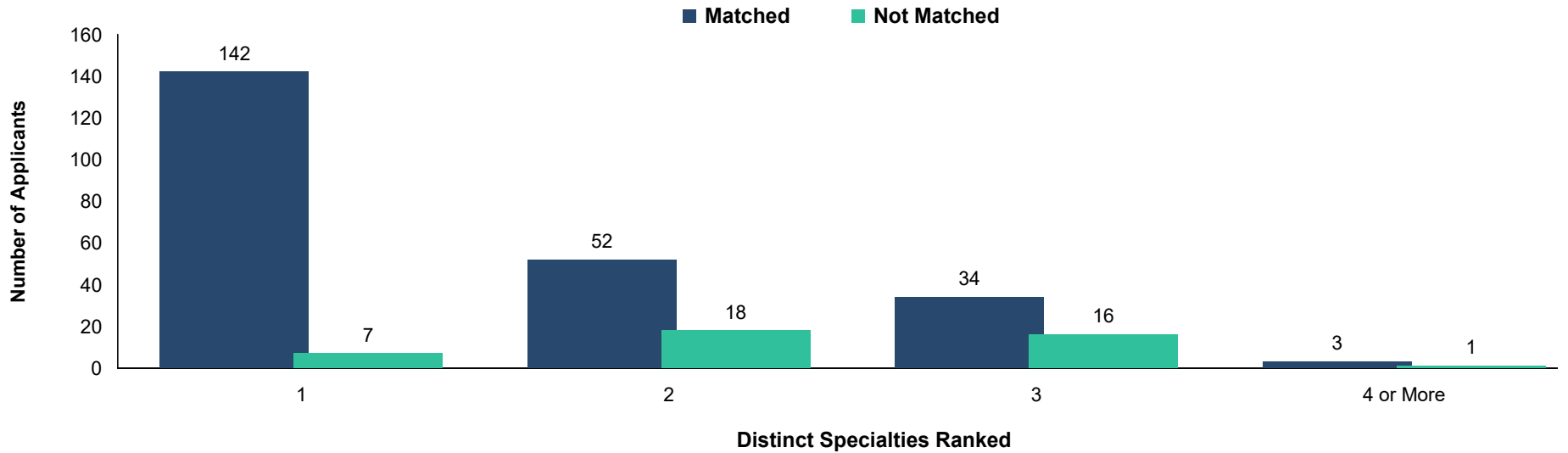
Note: Only U.S. MD seniors who gave consent to use their information in research are included.

\*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>).

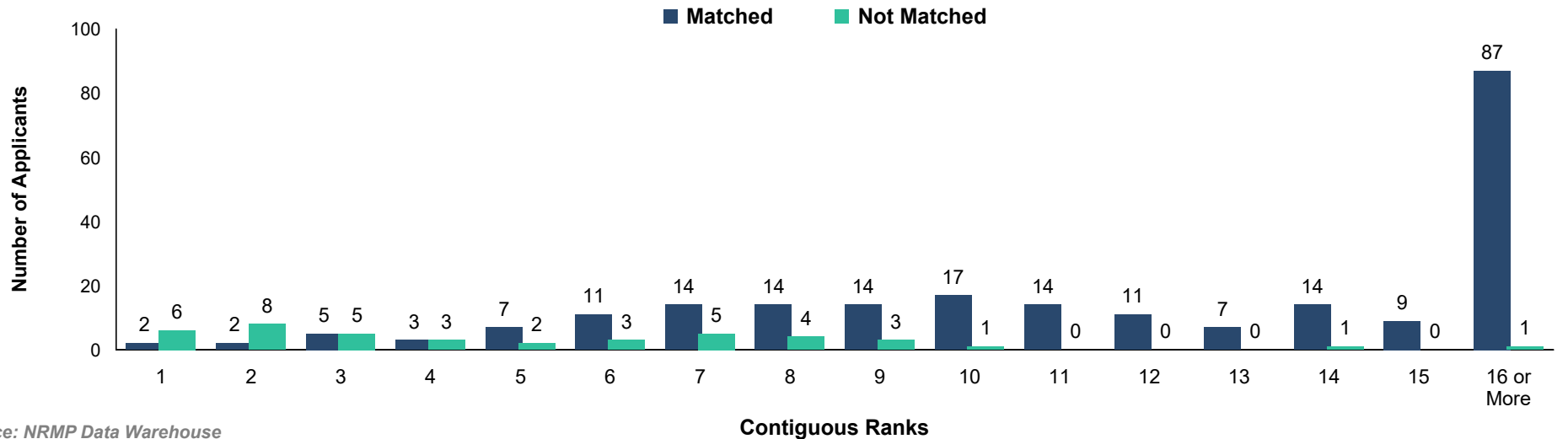
**Chart  
PM-1**

**Number of Distinct Specialties Ranked by U.S. MD Seniors**  
*Physical Medicine and Rehabilitation*



**Chart  
PM-2**

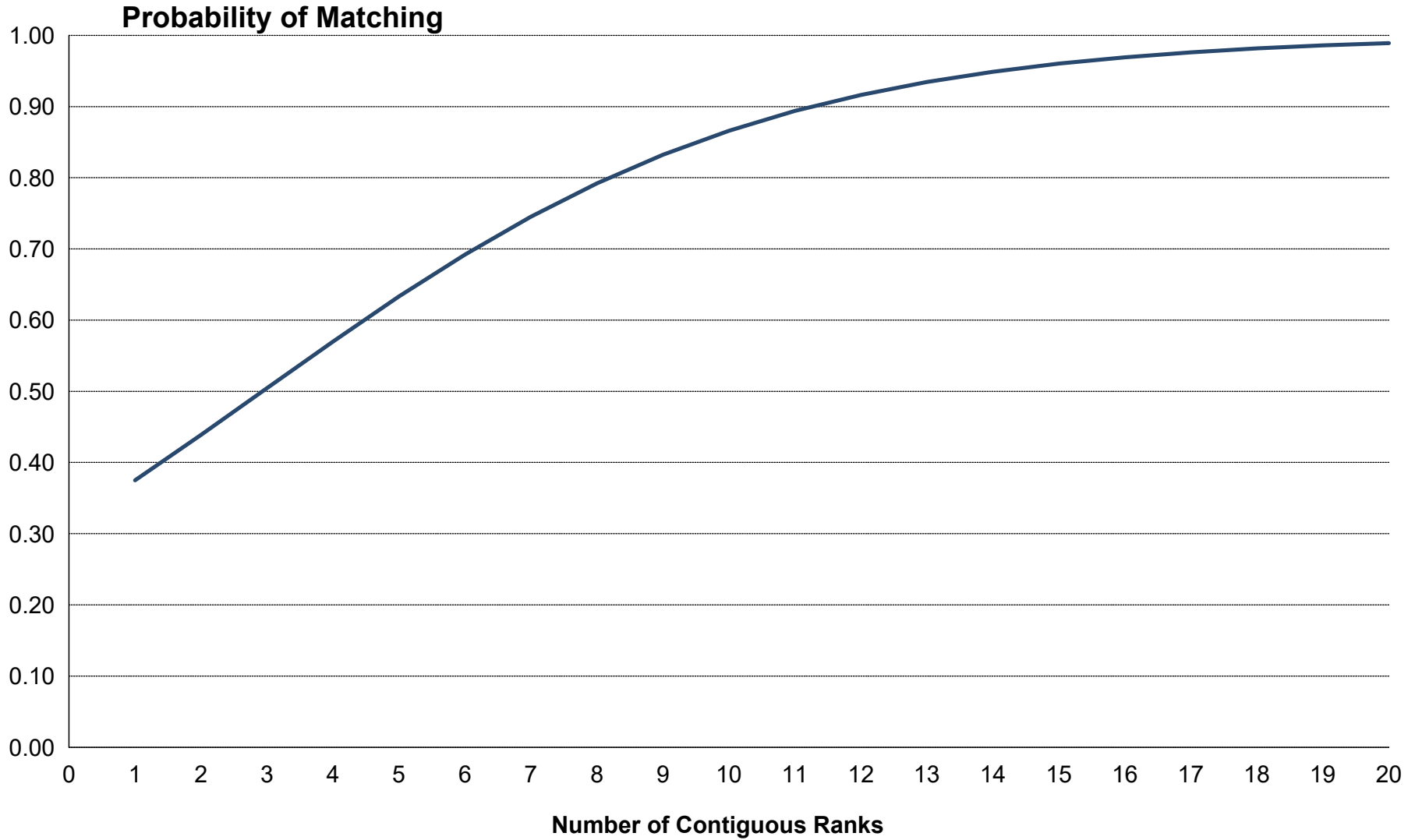
**Number of Contiguous Ranks of U.S. MD Seniors**  
*Physical Medicine and Rehabilitation*



Source: NRMP Data Warehouse

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

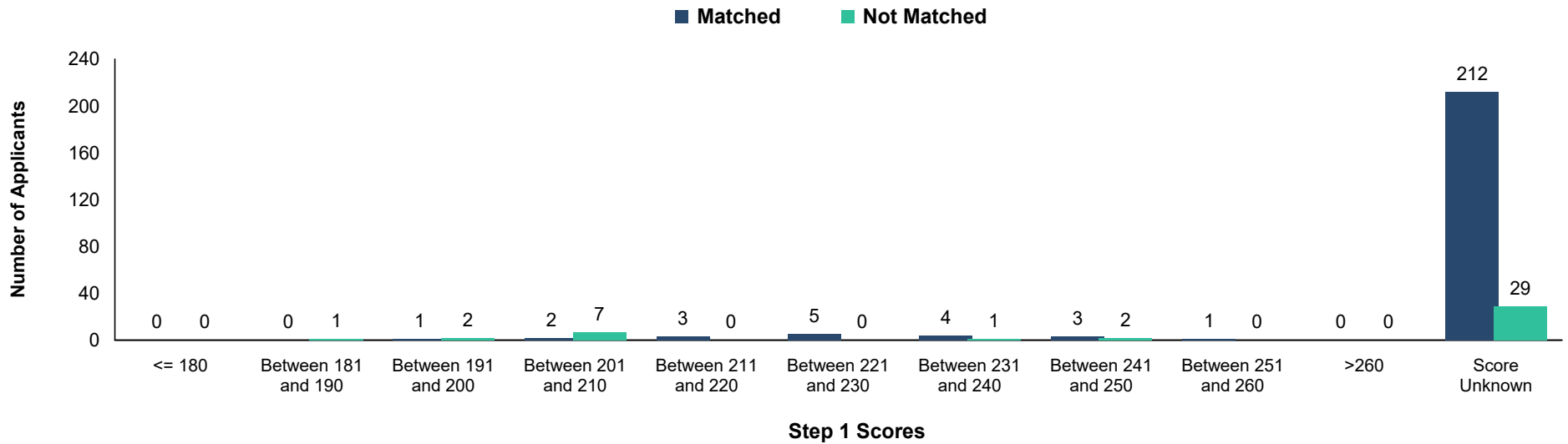
*Physical Medicine and Rehabilitation*



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

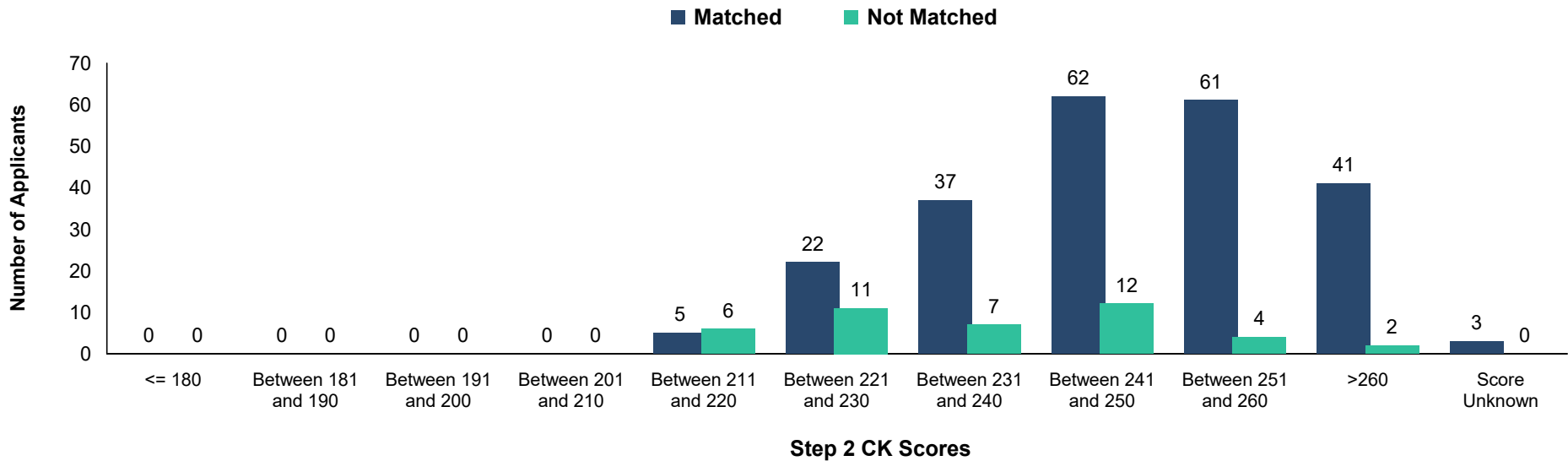
**Chart  
PM-3**

**USMLE Step 1 Scores of U.S. MD Seniors**  
*Physical Medicine and Rehabilitation*



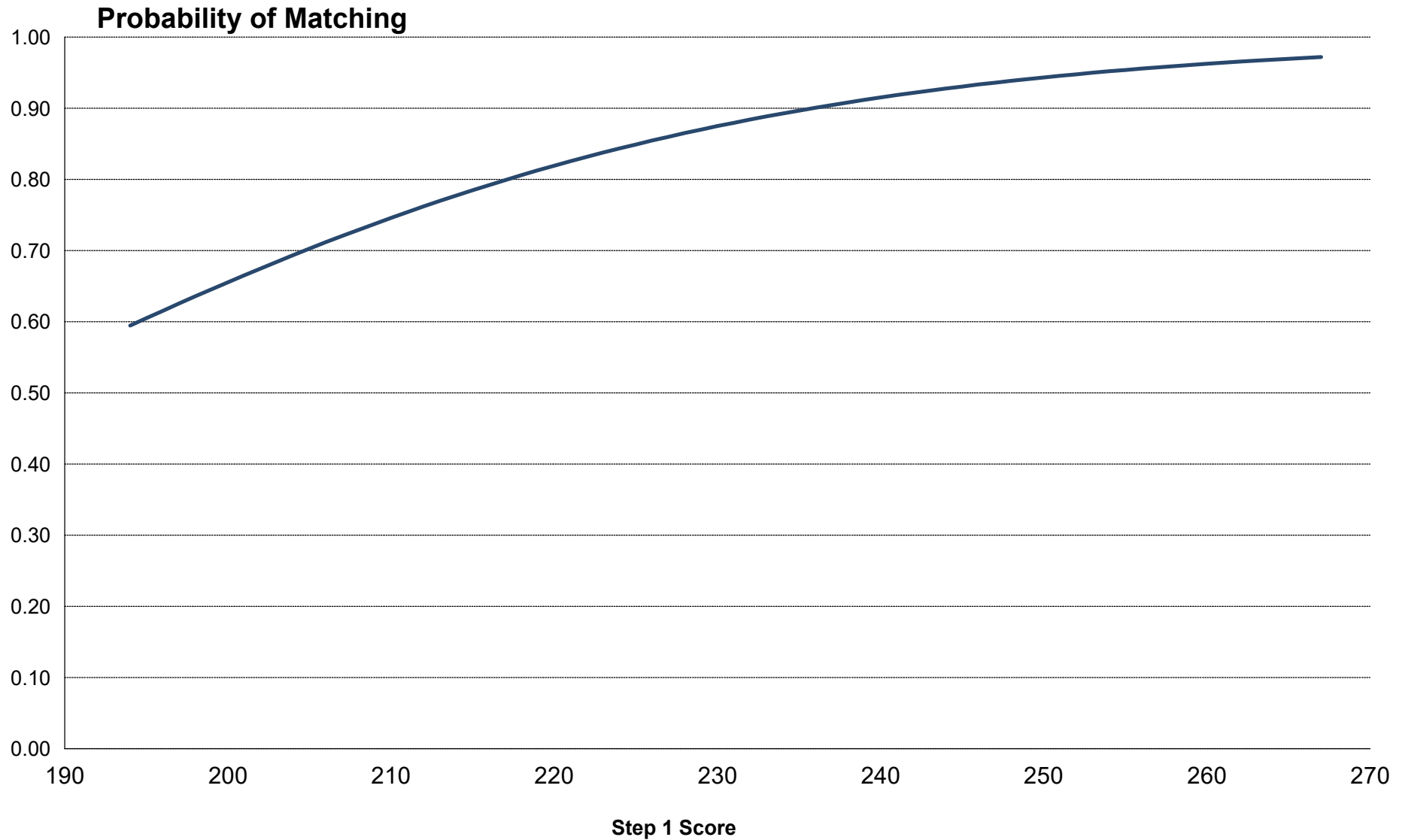
**Chart  
PM-4**

**USMLE Step 2 CK Scores of U.S. MD Seniors**  
*Physical Medicine and Rehabilitation*



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

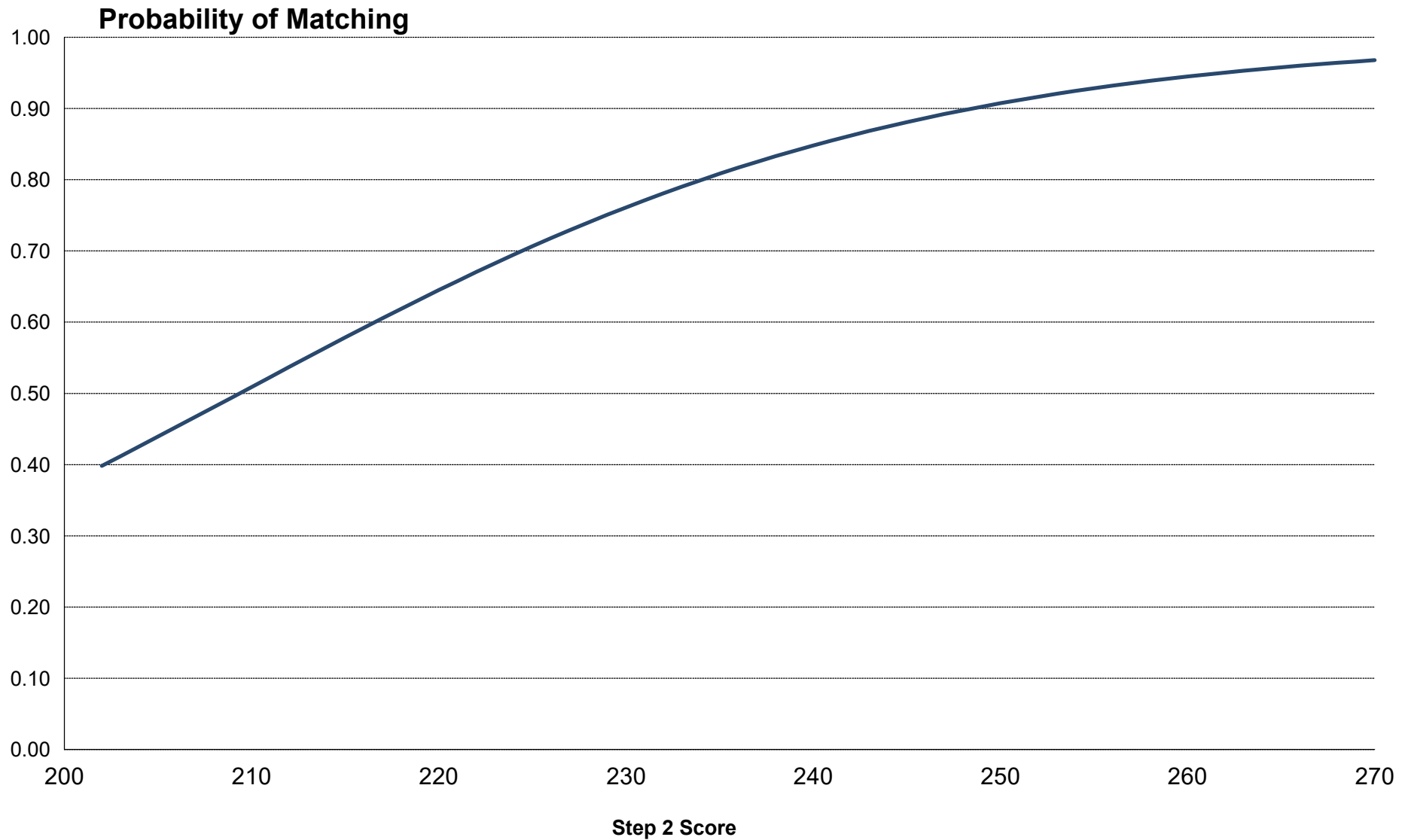
*Physical Medicine and Rehabilitation*



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

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

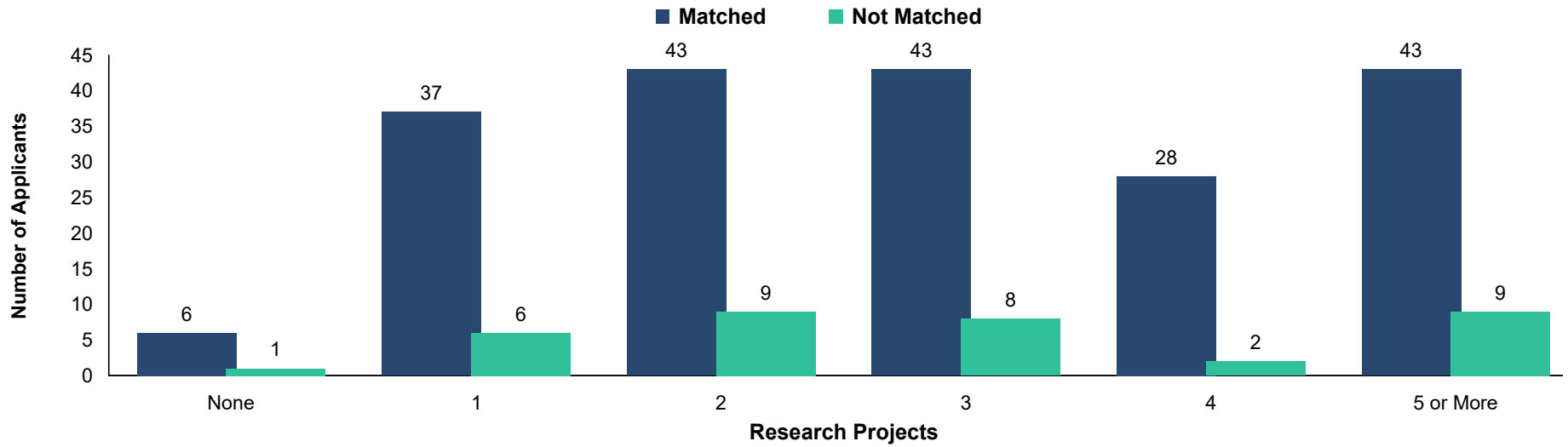
## Physical Medicine and Rehabilitation



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

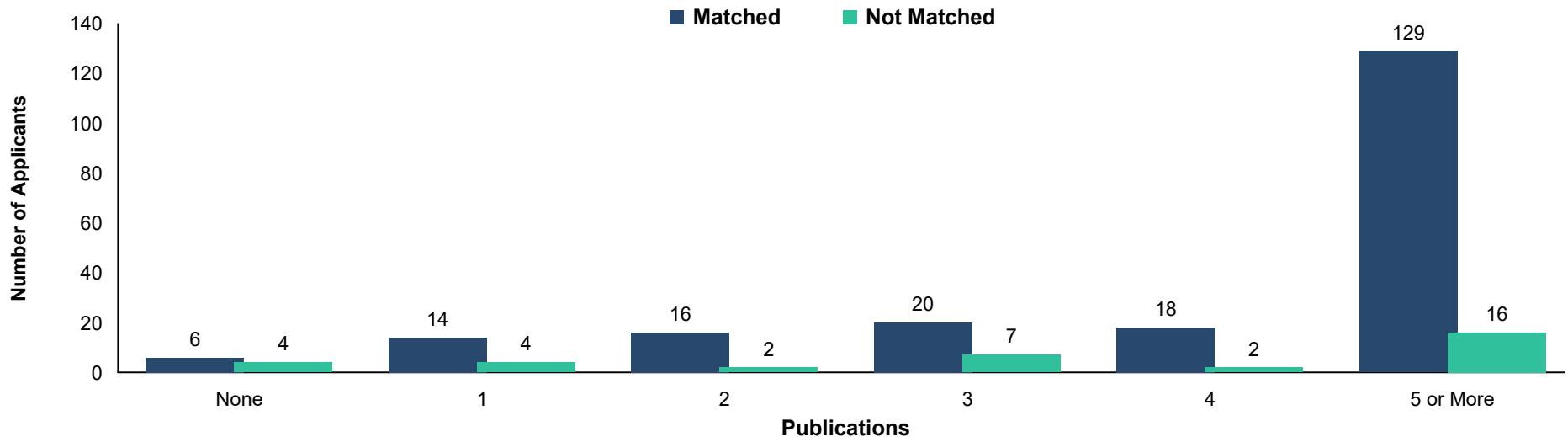
**Chart  
PM-5**

**Number of Research Projects of U.S. MD Seniors**  
*Physical Medicine and Rehabilitation*



**Chart  
PM-6**

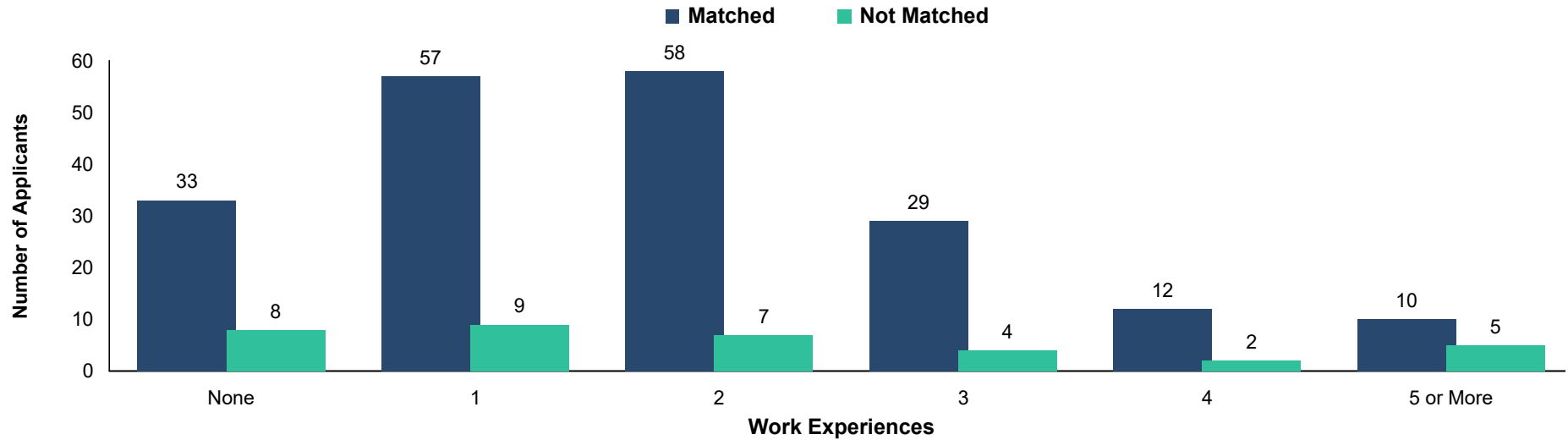
**Number of Abstracts, Presentations, and Publications of U.S. MD Seniors**  
*Physical Medicine and Rehabilitation*



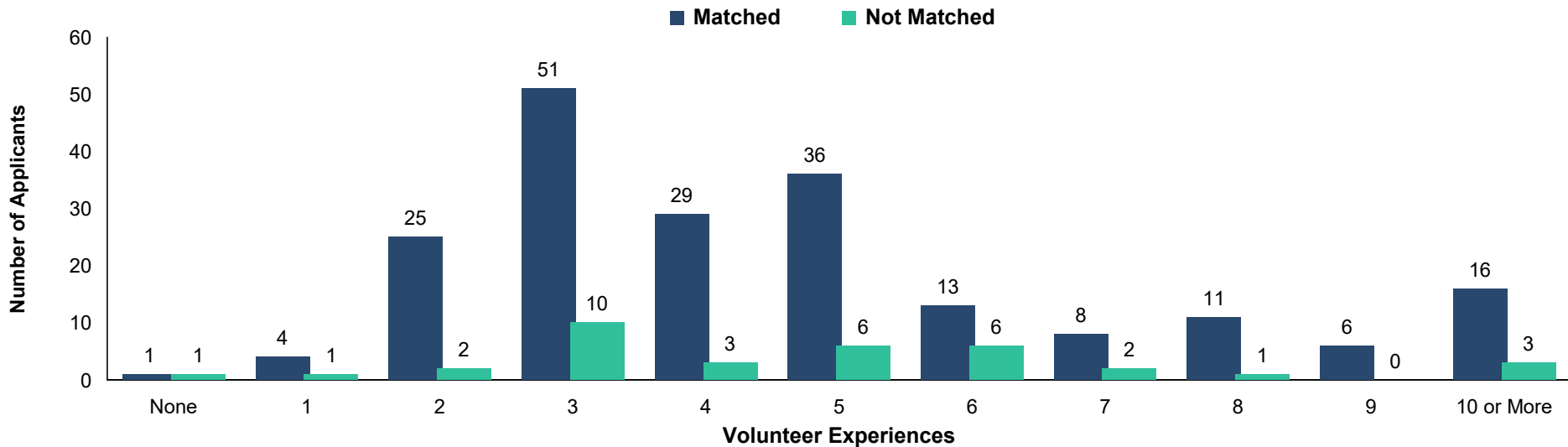
Source: NRMP Data Warehouse



**Chart PM-7** Number of Work Experiences of U.S. MD Seniors  
*Physical Medicine and Rehabilitation*



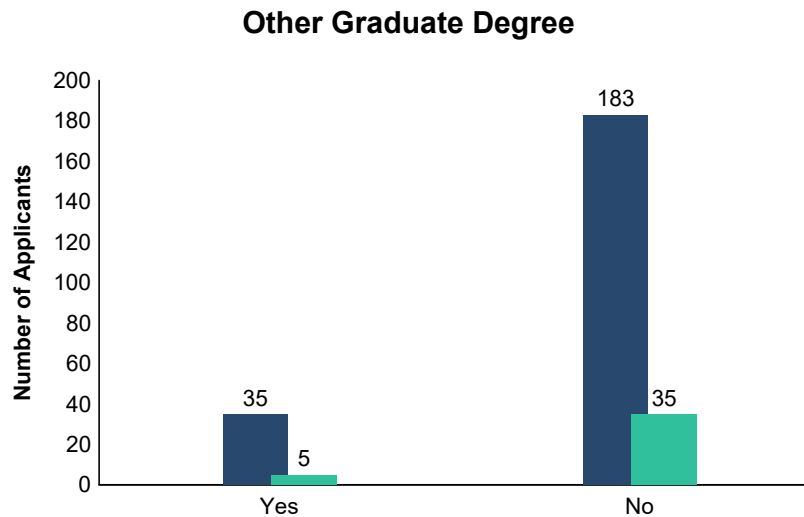
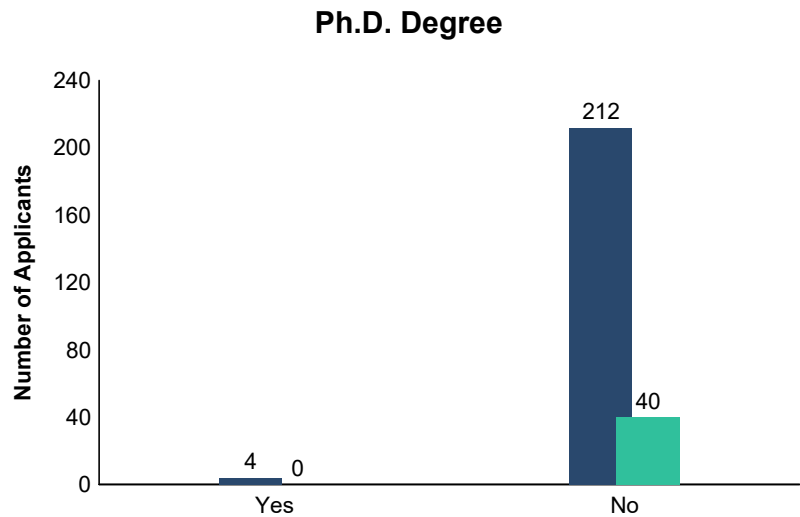
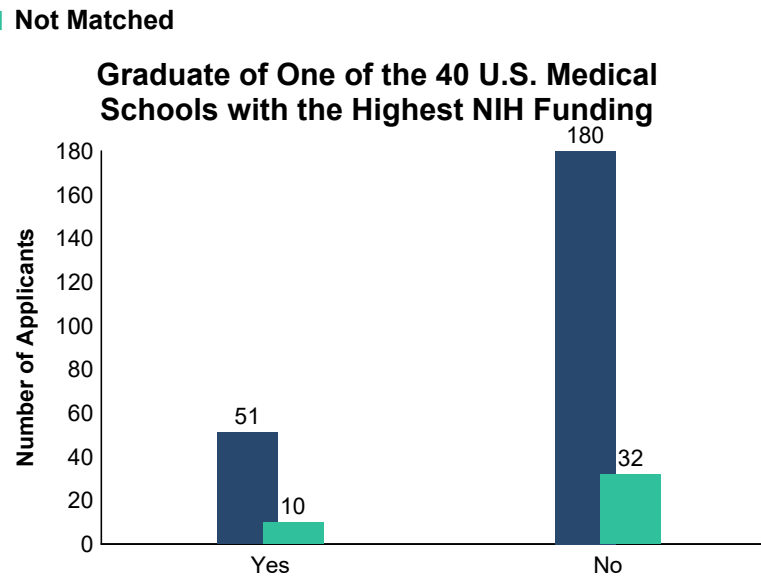
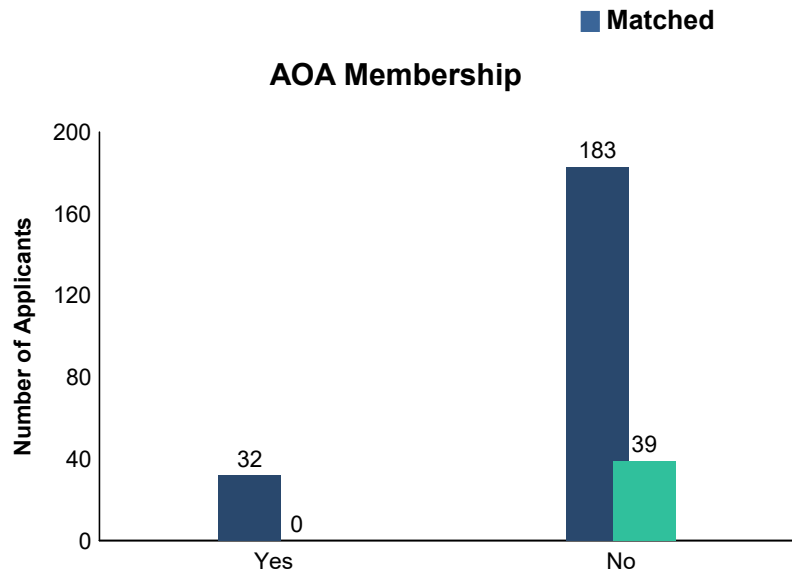
**Chart PM-8** Number of Volunteer Experiences of U.S. MD Seniors  
*Physical Medicine and Rehabilitation*



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>

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**PS** Plastic Surgery

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

| Measure   | Matched<br>(n=159) | Unmatched<br>(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                |

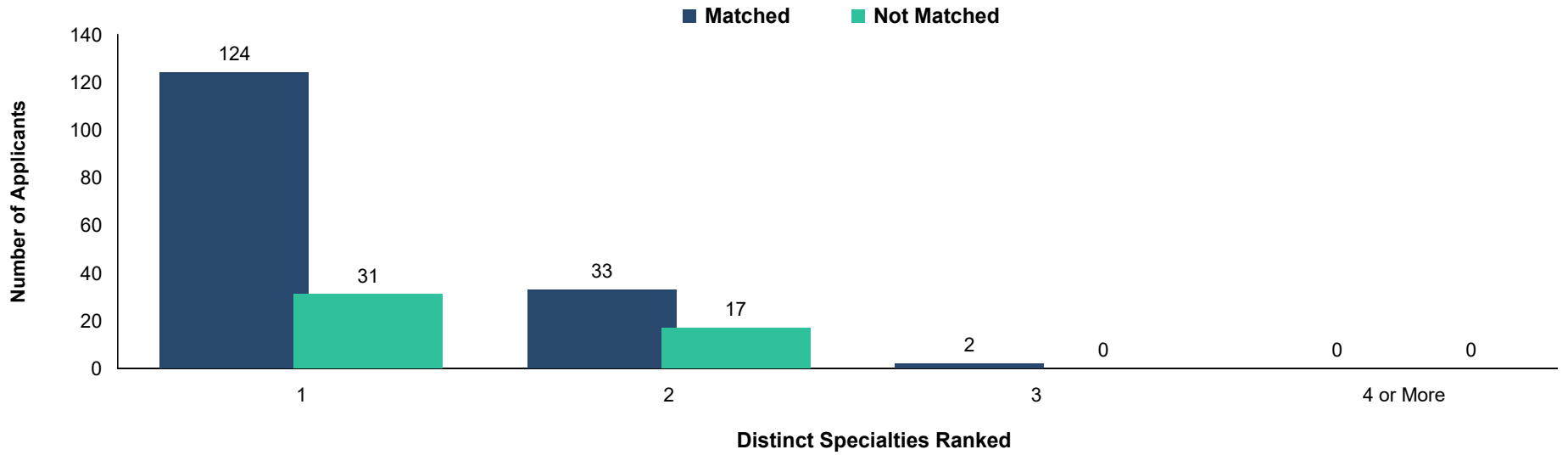
Note: Only U.S. MD seniors who gave consent to use their information in research are included.

\*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>).

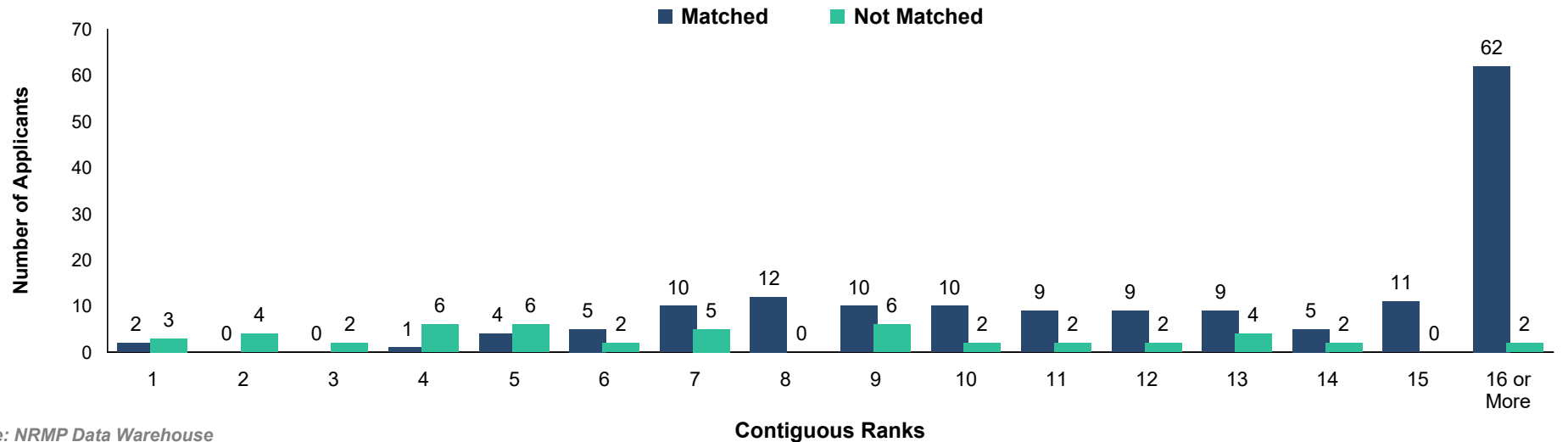
**Chart  
PS-1**

**Number of Distinct Specialties Ranked by U.S. MD Seniors  
Plastic Surgery**



**Chart  
PS-2**

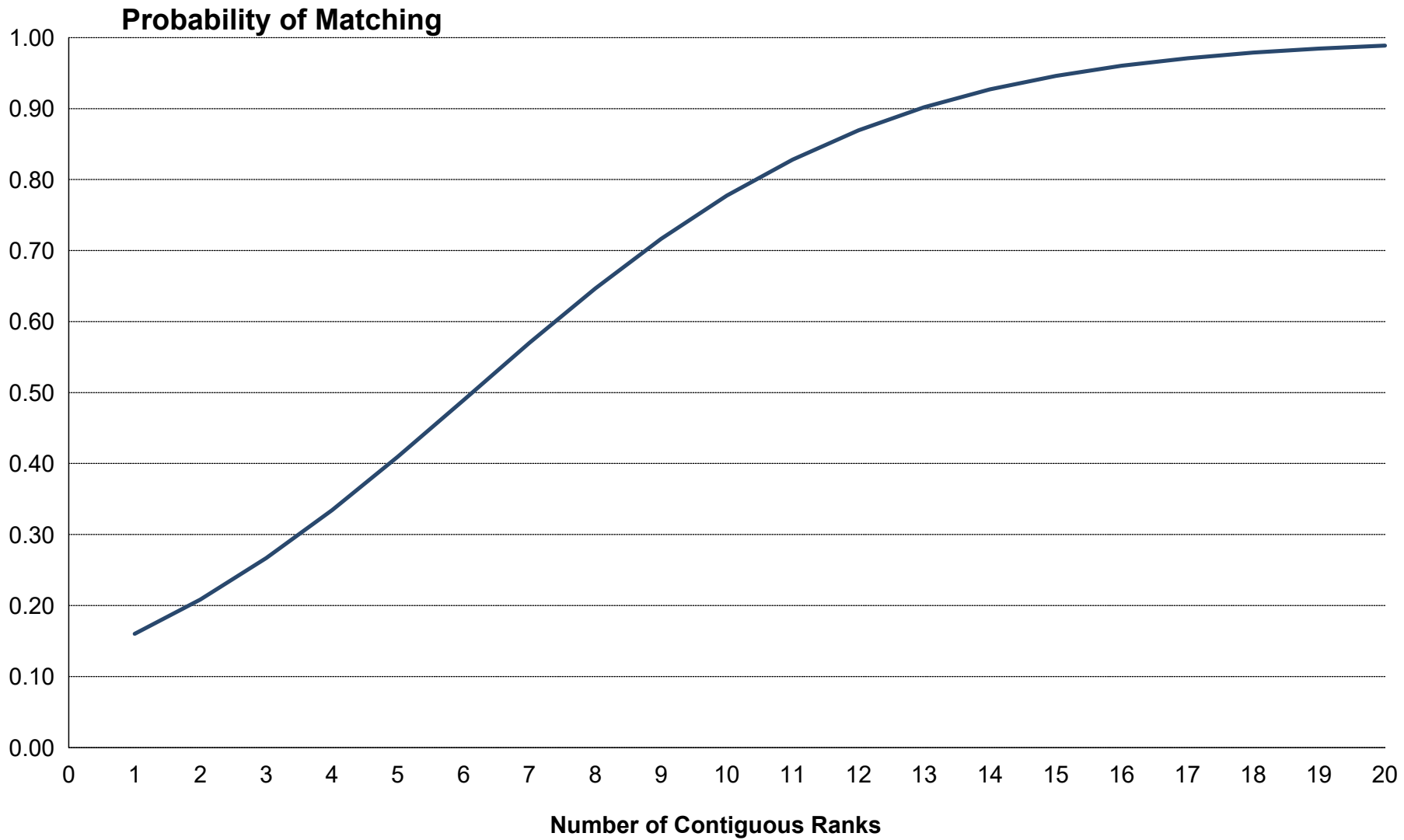
**Number of Contiguous Ranks of U.S. MD Seniors  
Plastic Surgery**



Source: NRMP Data Warehouse

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

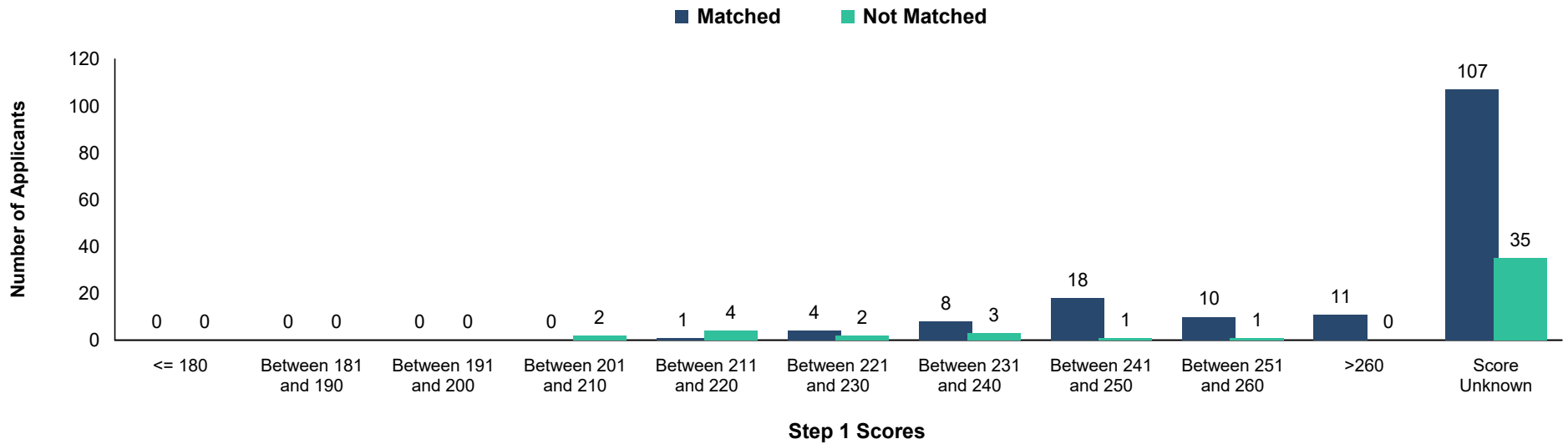
*Plastic Surgery*



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

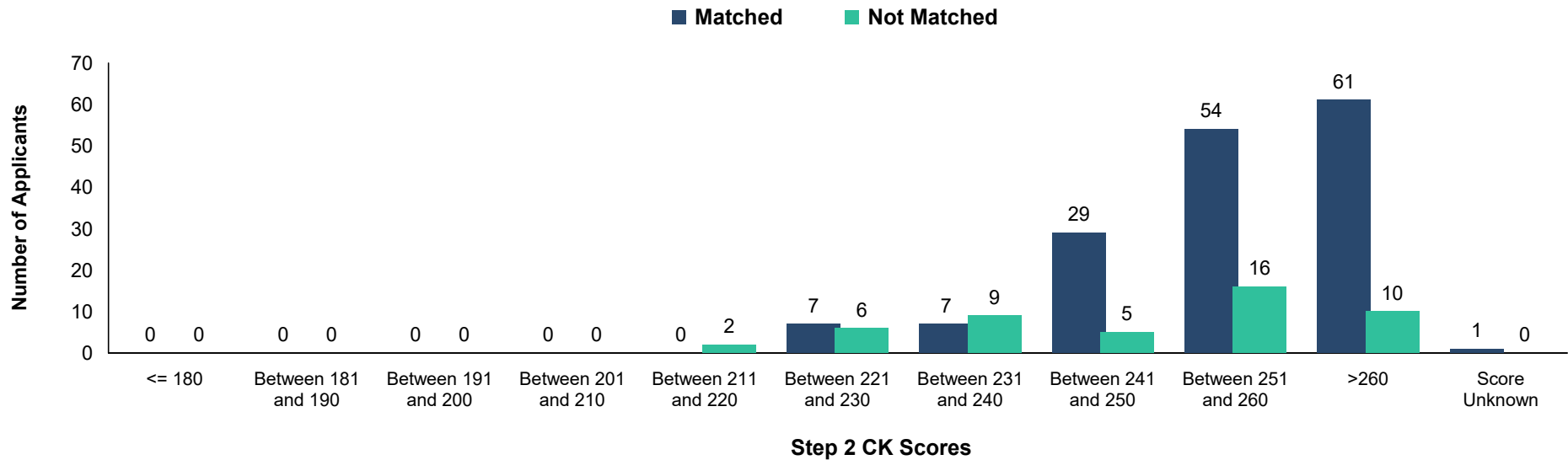
**Chart  
PS-3**

**USMLE Step 1 Scores of U.S. MD Seniors  
Plastic Surgery**



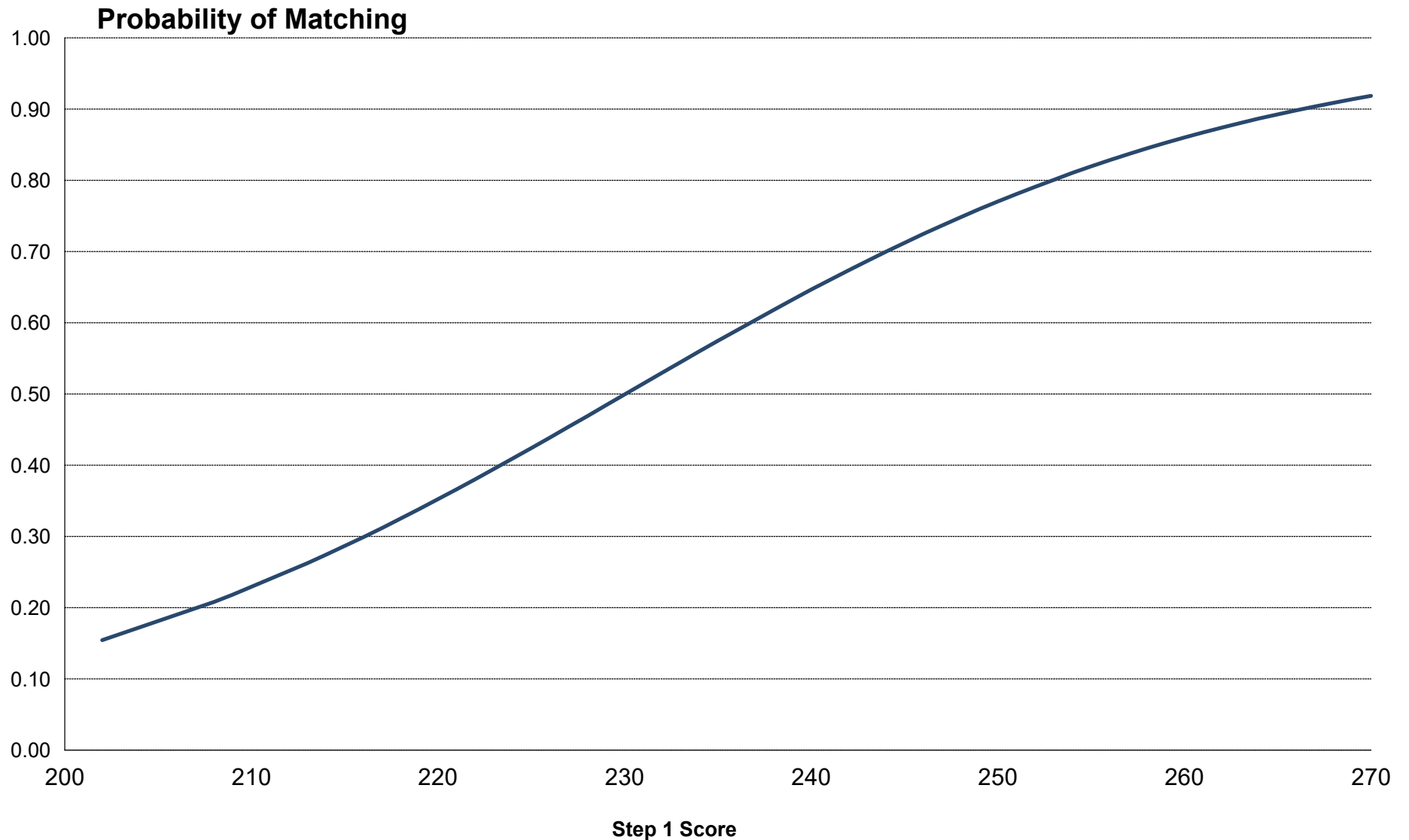
**Chart  
PS-4**

**USMLE Step 2 CK Scores of U.S. MD Seniors  
Plastic Surgery**



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

## Plastic Surgery

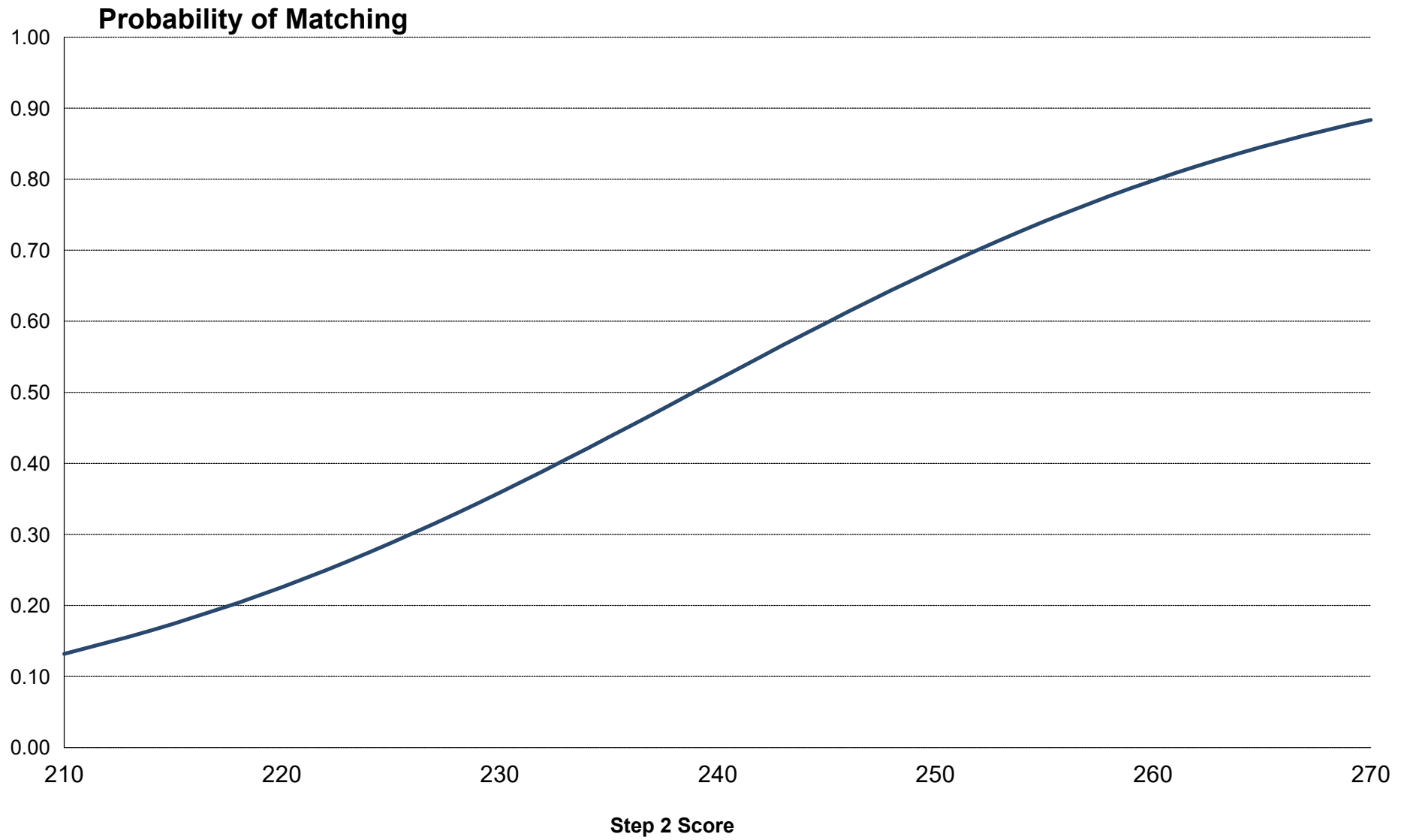


Source: NRMP Data Warehouse. Note: Probabilities calculated based on 2022-2024 applicants.



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

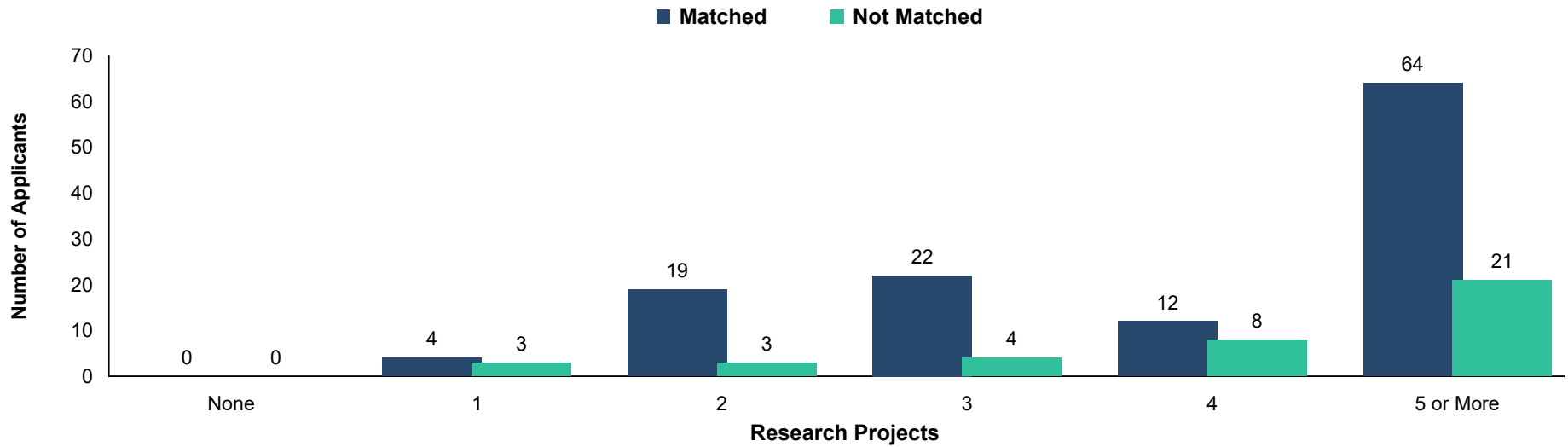
## Plastic Surgery



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

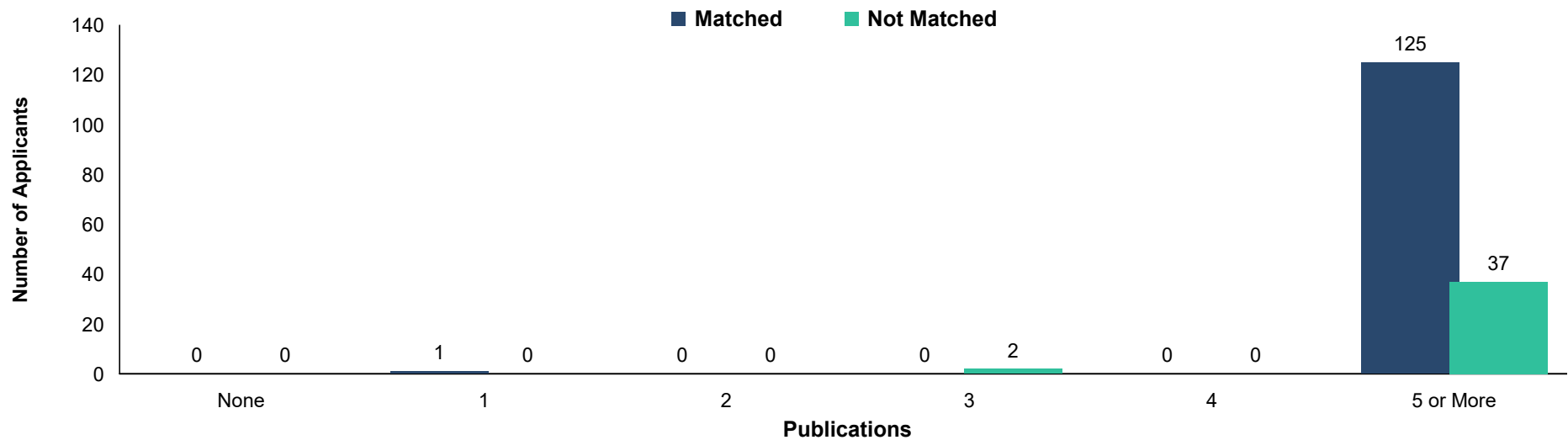
**Chart  
PS-5**

### Number of Research Projects of U.S. MD Seniors *Plastic Surgery*



**Chart  
PS-6**

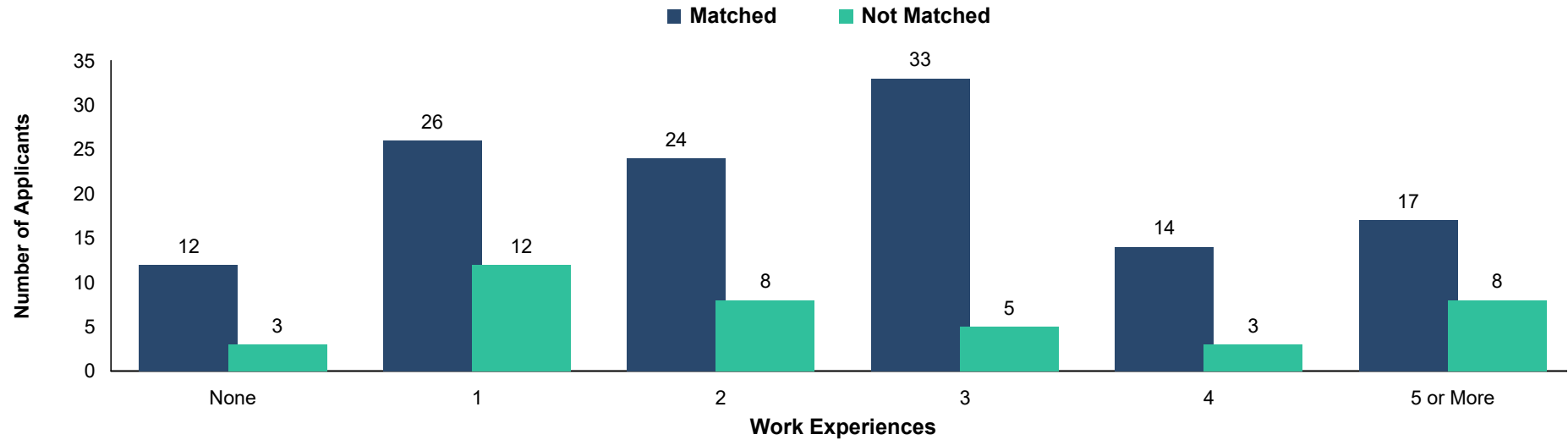
### Number of Abstracts, Presentations, and Publications of U.S. MD Seniors *Plastic Surgery*



Source: NRMP Data Warehouse

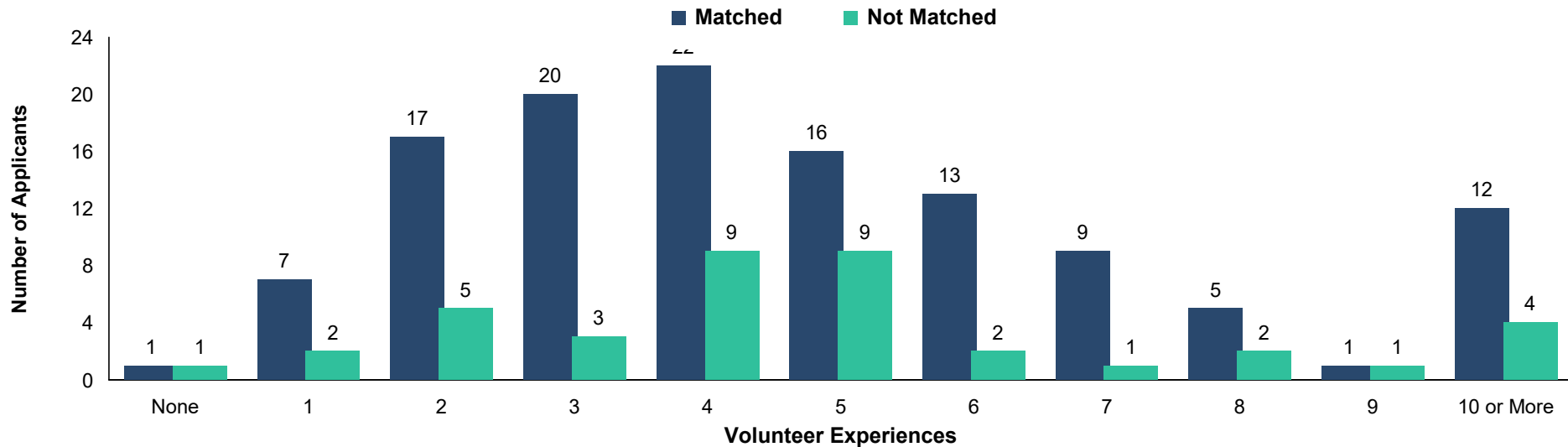
**Chart  
PS-7**

**Number of Work Experiences of U.S. MD Seniors  
Plastic Surgery**



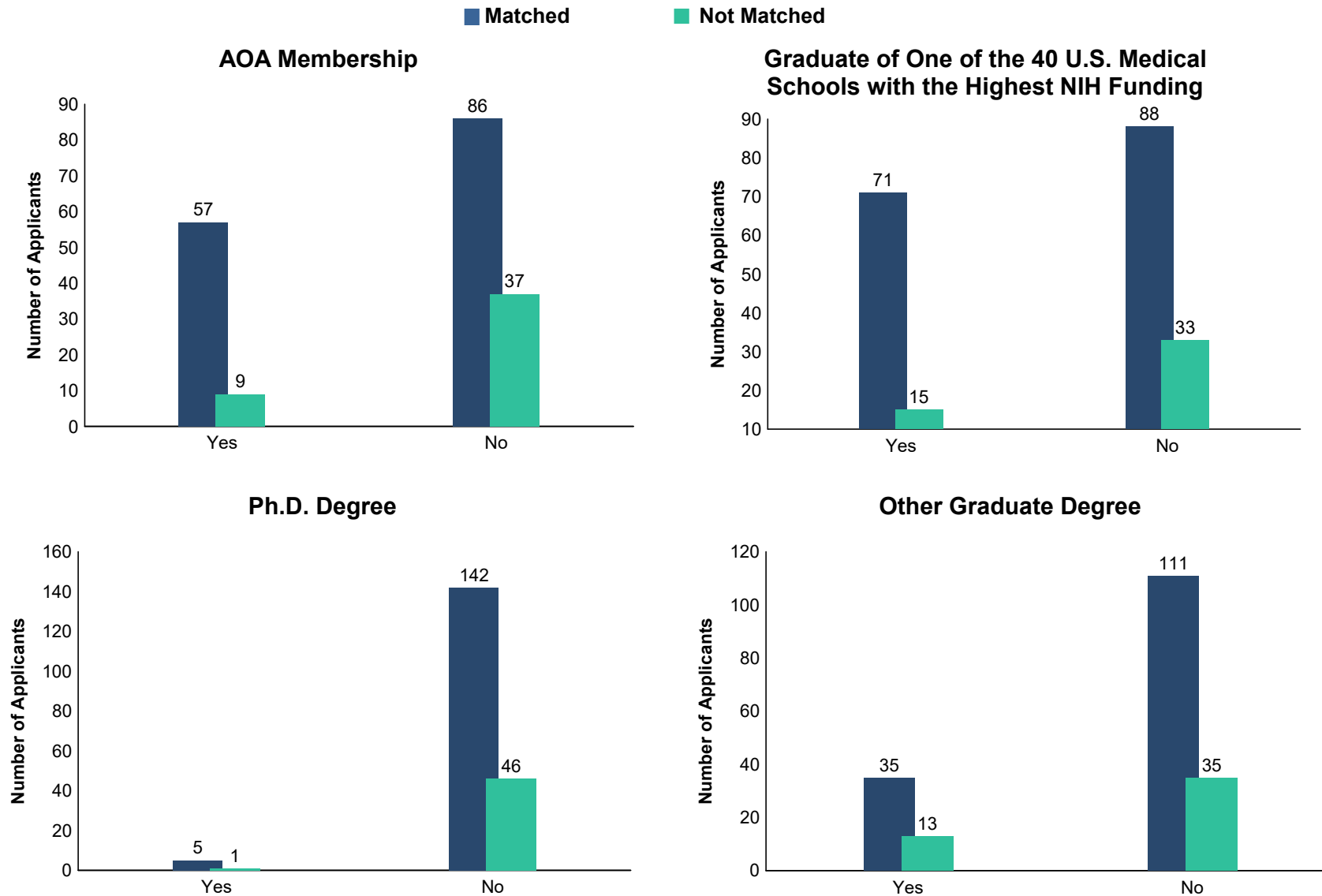
**Chart  
PS-8**

**Number of Volunteer Experiences of U.S. MD Seniors  
Plastic Surgery**



Source: NRMP Data Warehouse

**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>

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**P** **Psychiatry**

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

| Measure   | Matched<br>(n=1,051) | Unmatched<br>(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                 |

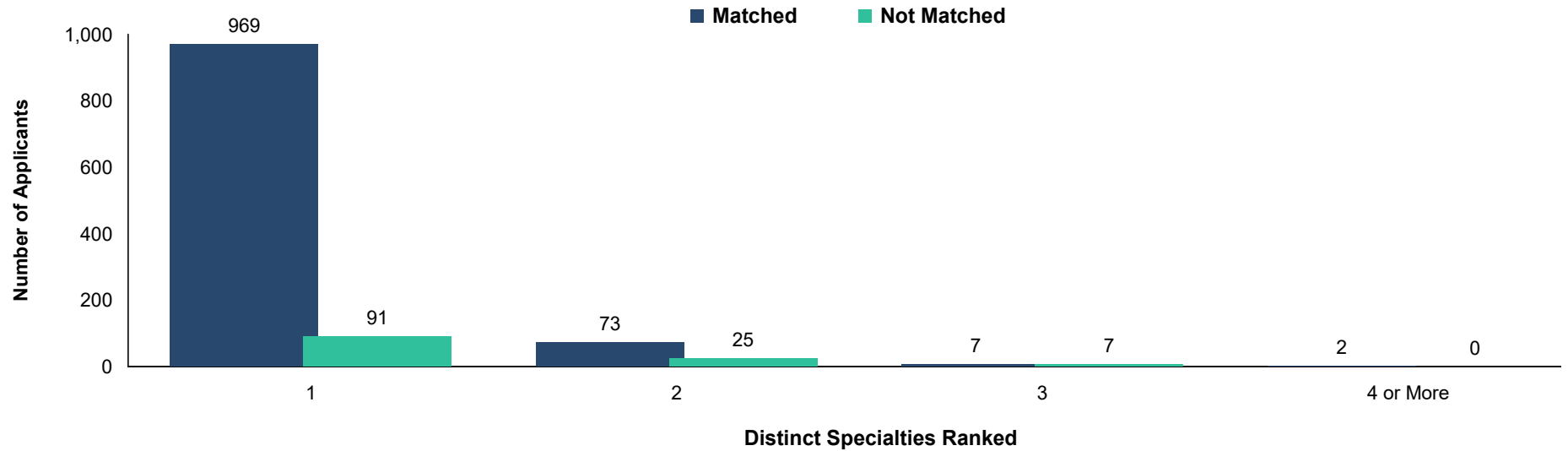
Note: Only U.S. MD seniors who gave consent to use their information in research are included.

\*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>).

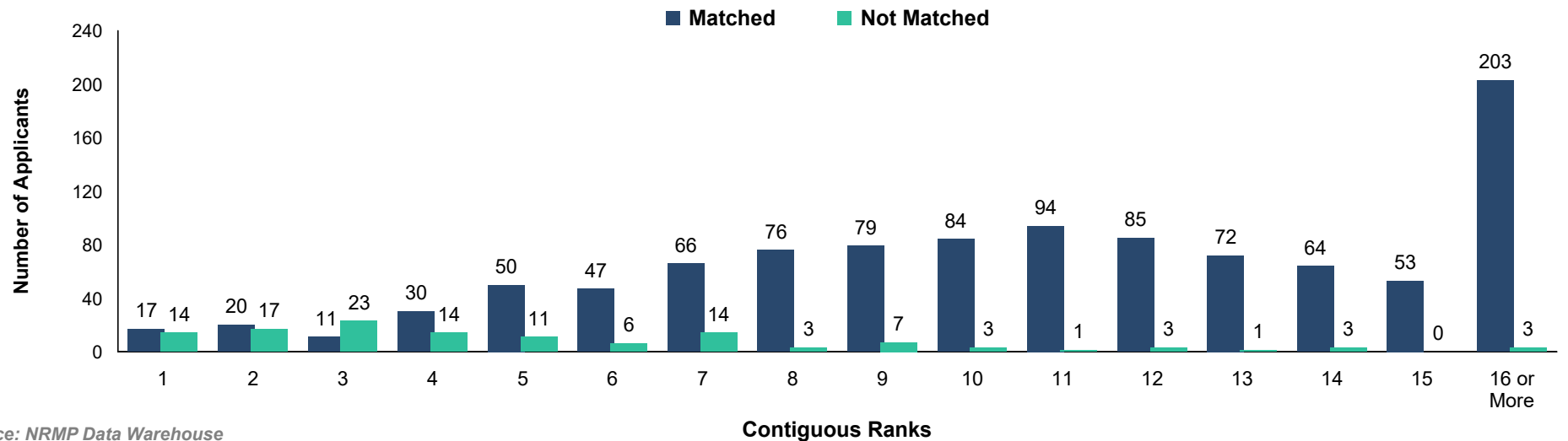
**Chart P-1**

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



**Chart P-2**

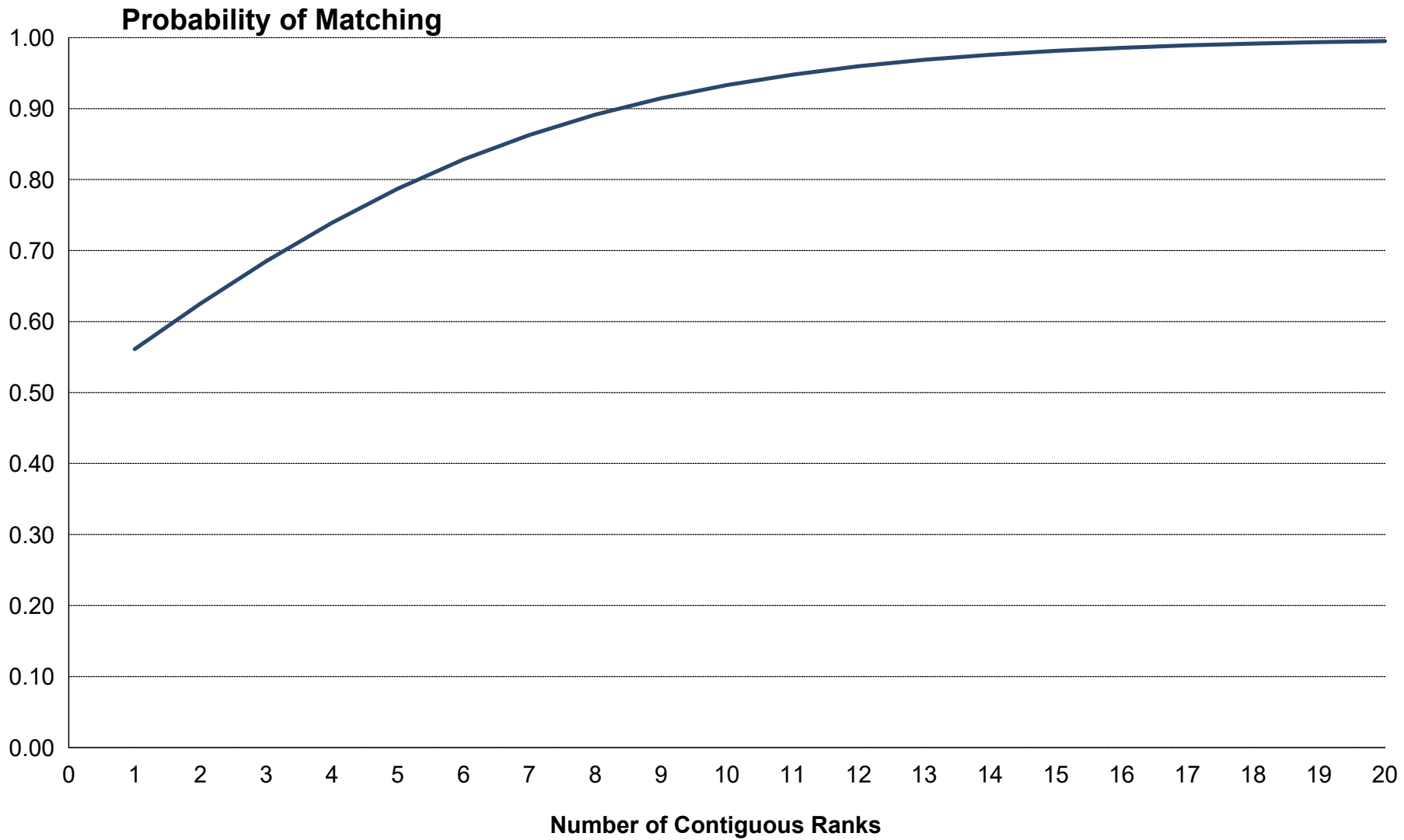
**Number of Contiguous Ranks of U.S. MD Seniors**  
*Psychiatry*



Source: NRMP Data Warehouse

**Graph  
P-1**

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

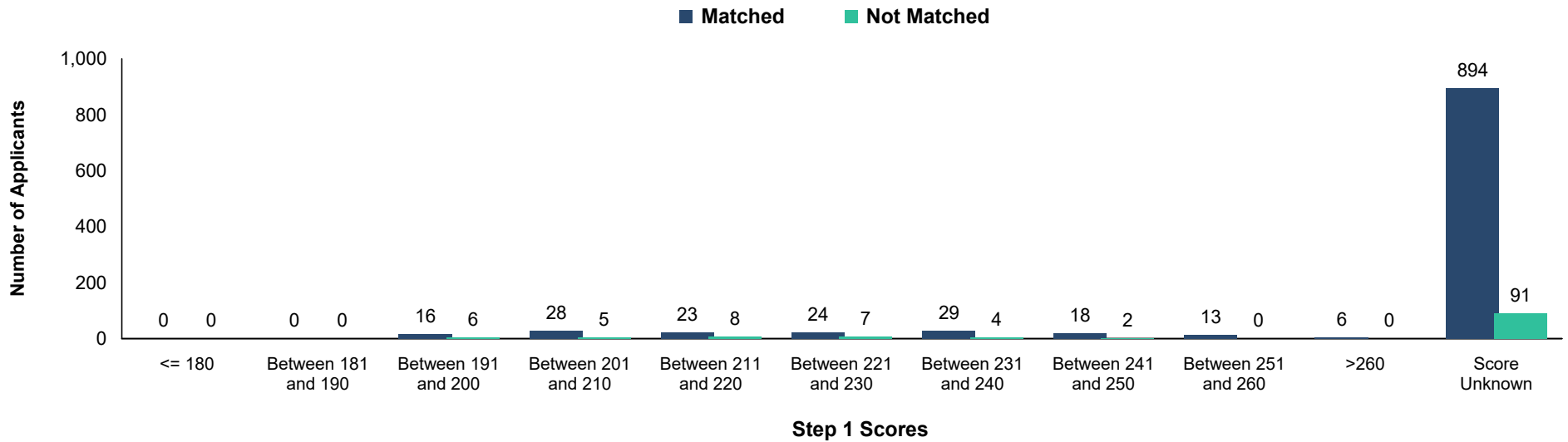


Source: NRMP Data Warehouse. Note: Probabilities calculated based on 2022-2024 applicants



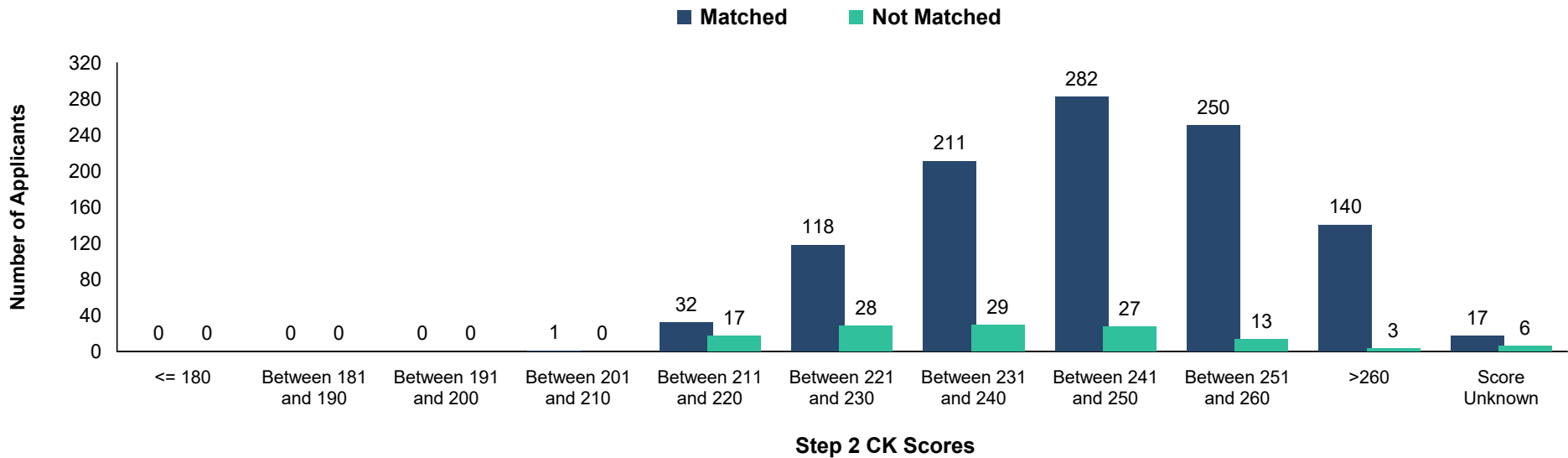
**Chart  
P-3**

**USMLE Step 1 Scores of U.S. MD Seniors  
Psychiatry**



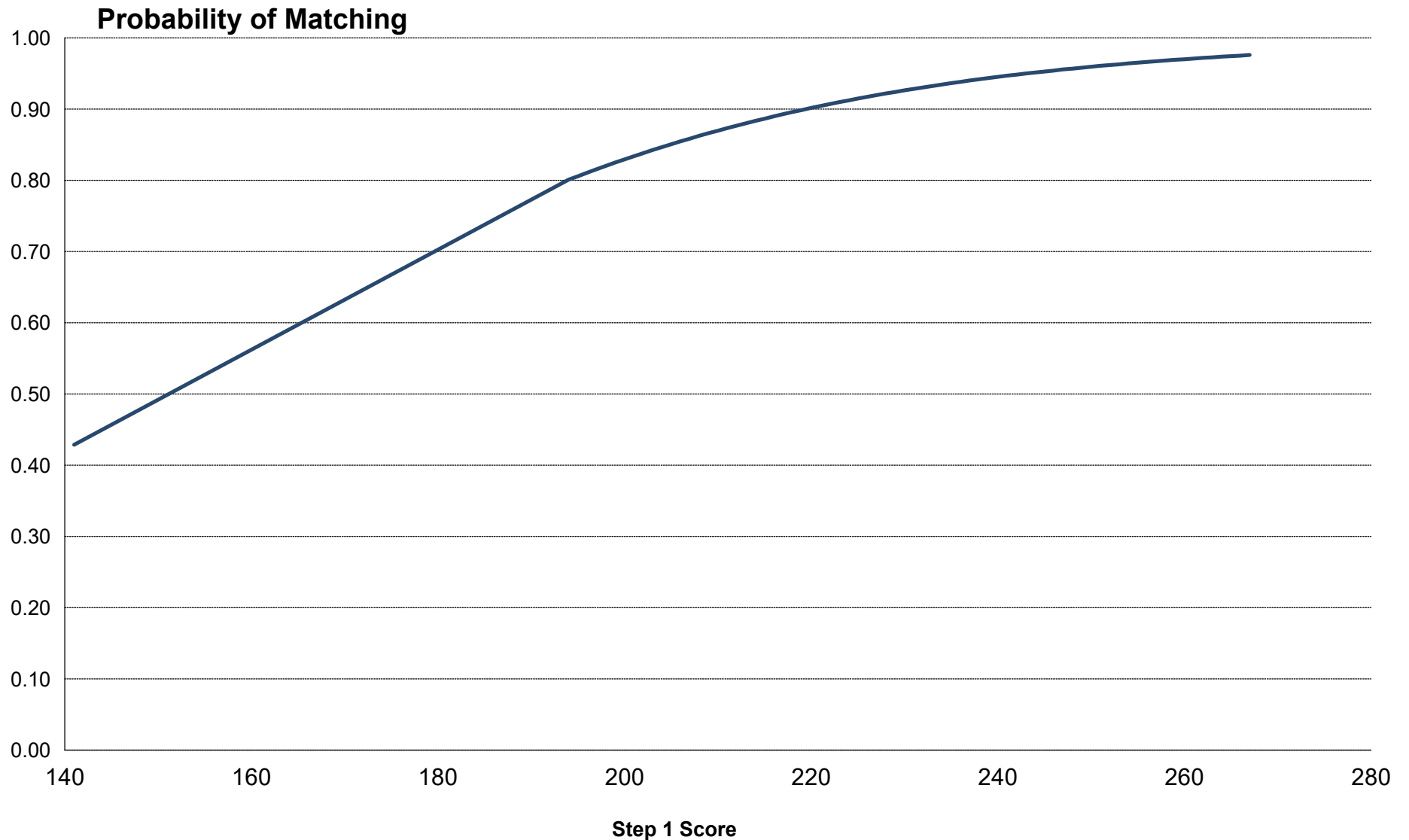
**Chart  
P-4**

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



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

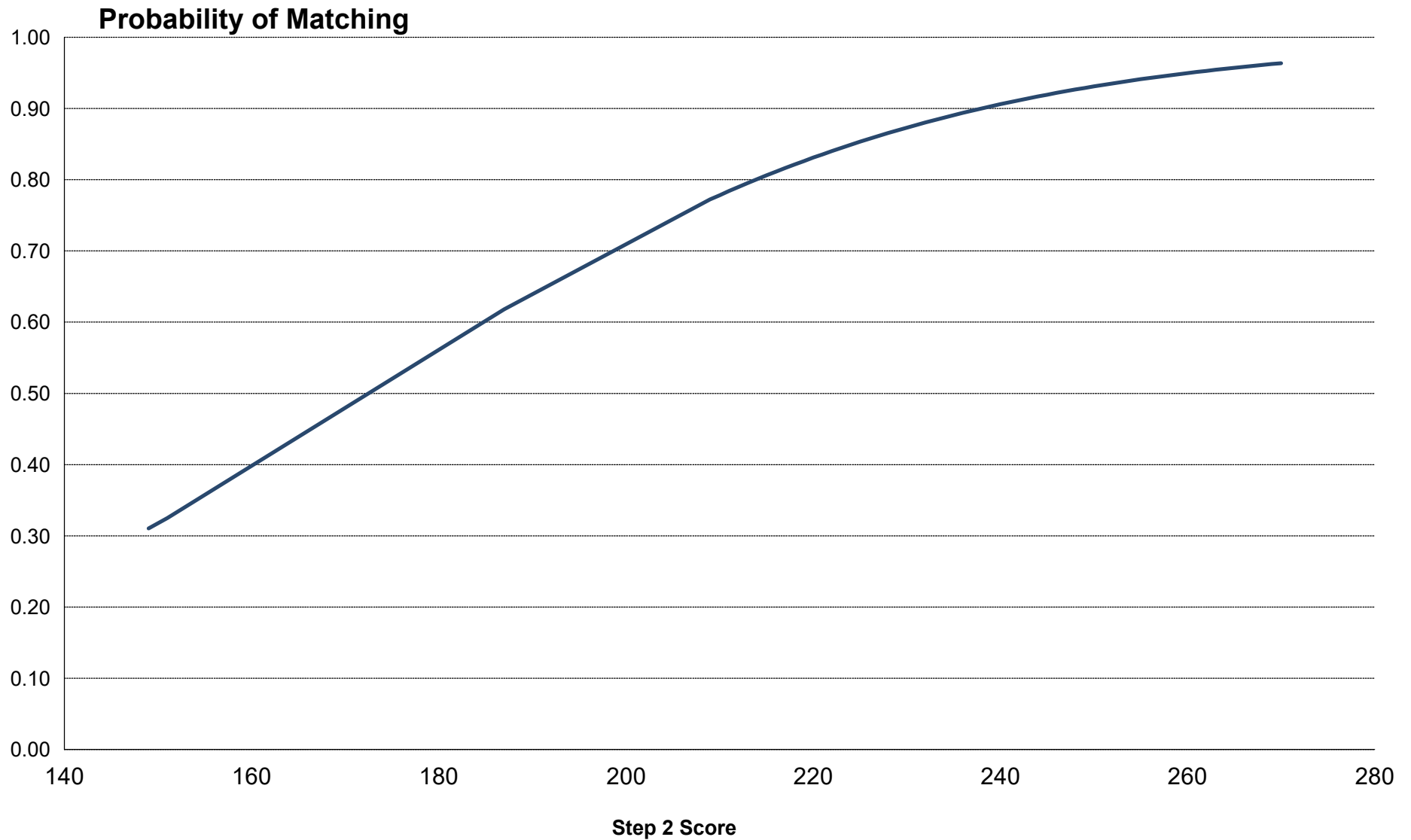
## Psychiatry



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

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

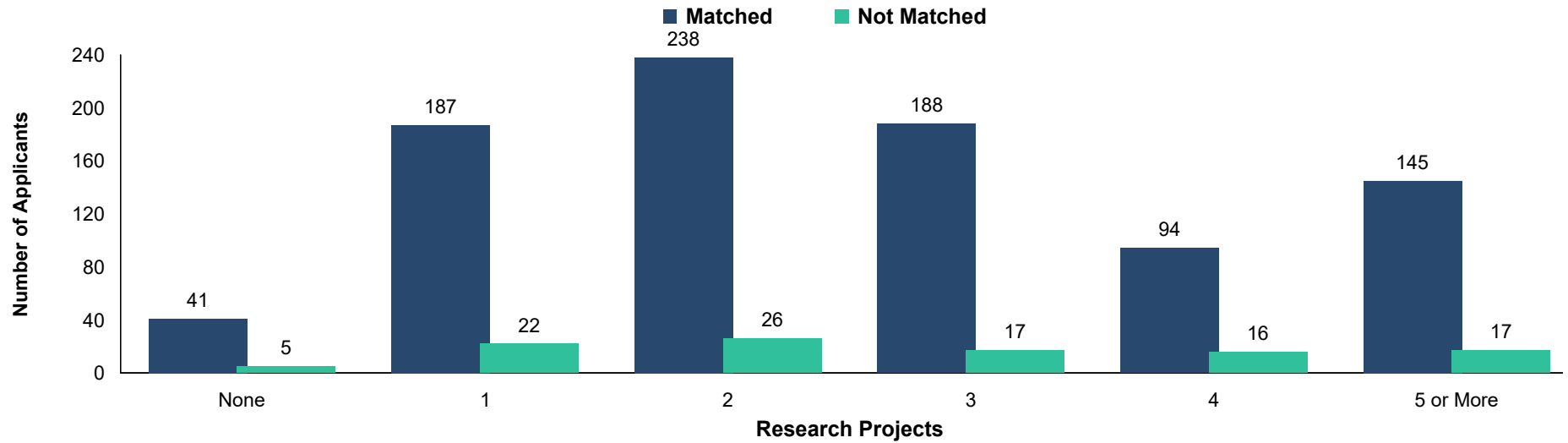
## Psychiatry



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

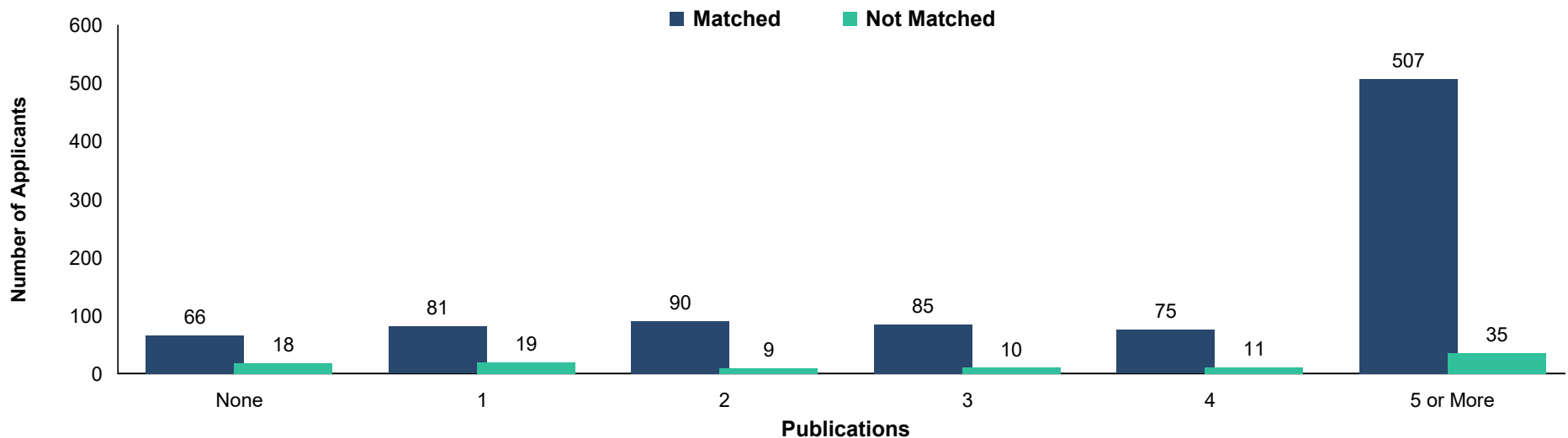
**Chart  
P-5**

### Number of Research Projects of U.S. MD Seniors *Psychiatry*



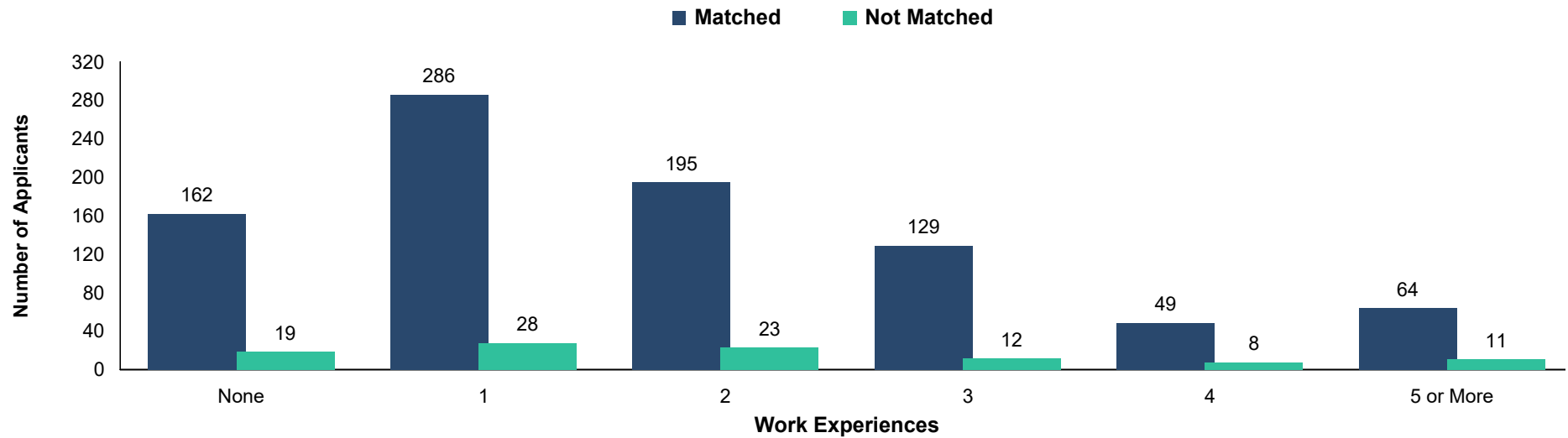
**Chart  
P-6**

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

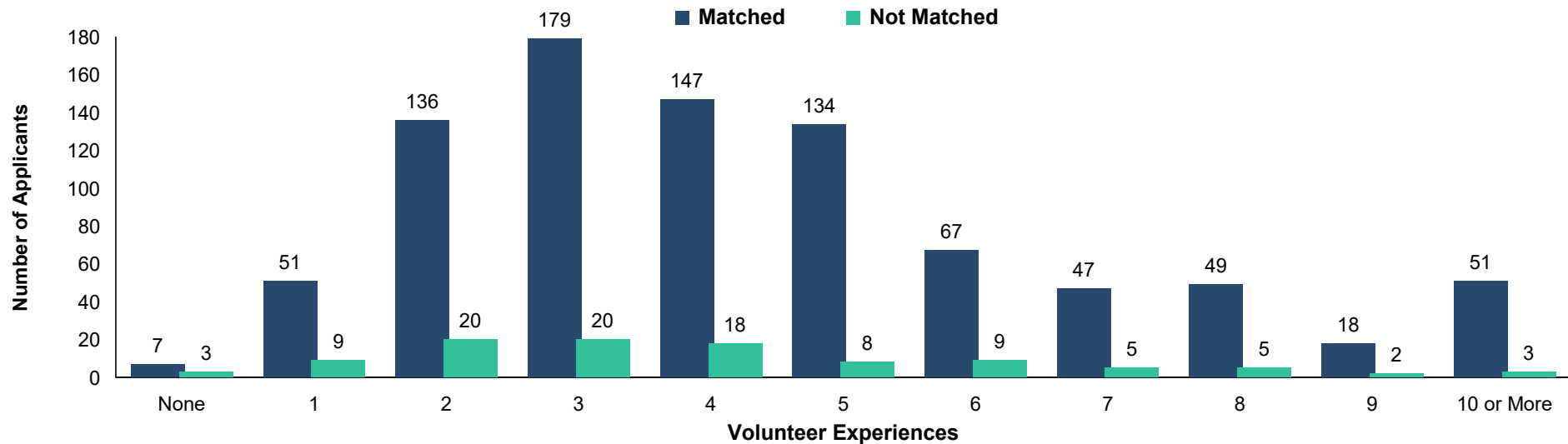


Source: NRMP Data Warehouse

**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*

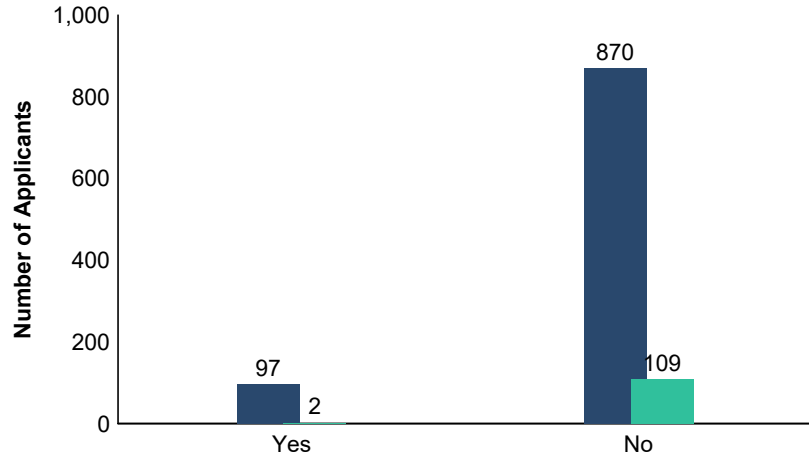


Source: NRMP Data Warehouse

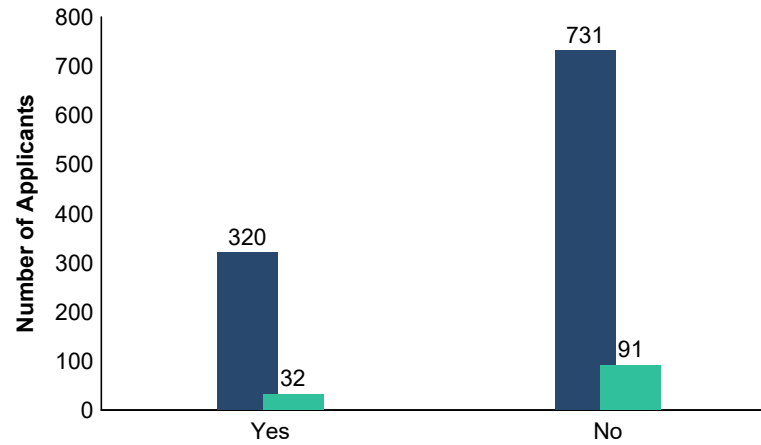
**Other Characteristics of U.S. MD Seniors  
Psychiatry**

■ Matched      ■ Not Matched

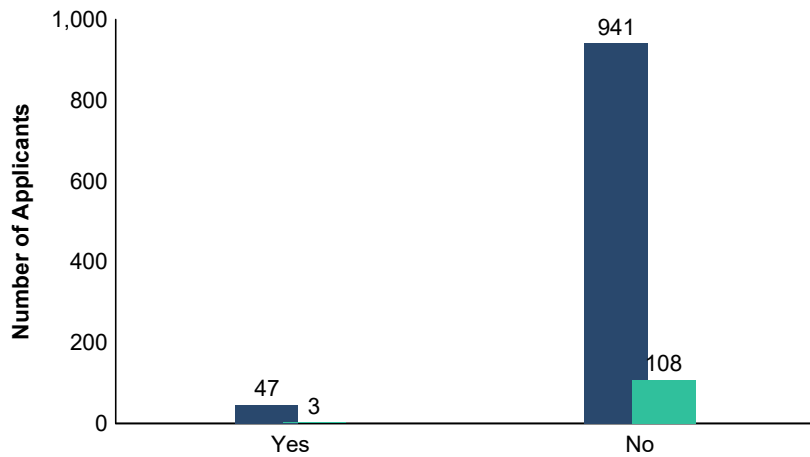
**AOA Membership**



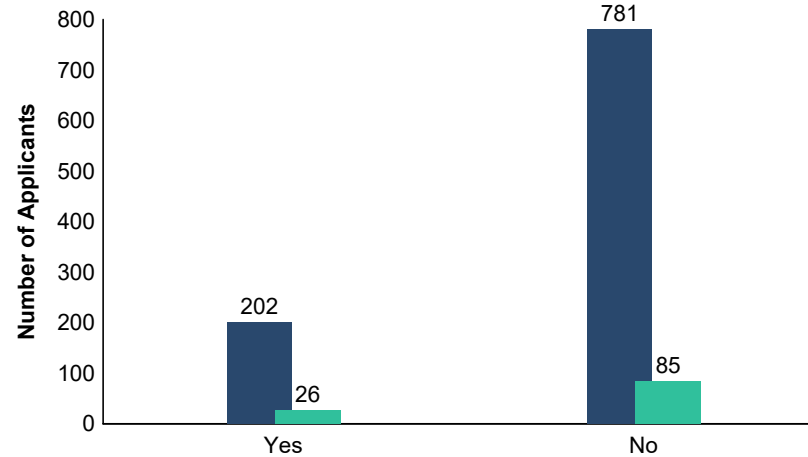
**Graduate of One of the 40 U.S. Medical Schools with the Highest NIH Funding**



**Ph.D. Degree**



**Other Graduate Degree**



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

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**RO** Radiation Oncology

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

| Measure   | Matched<br>(n=103) | Unmatched<br>(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.

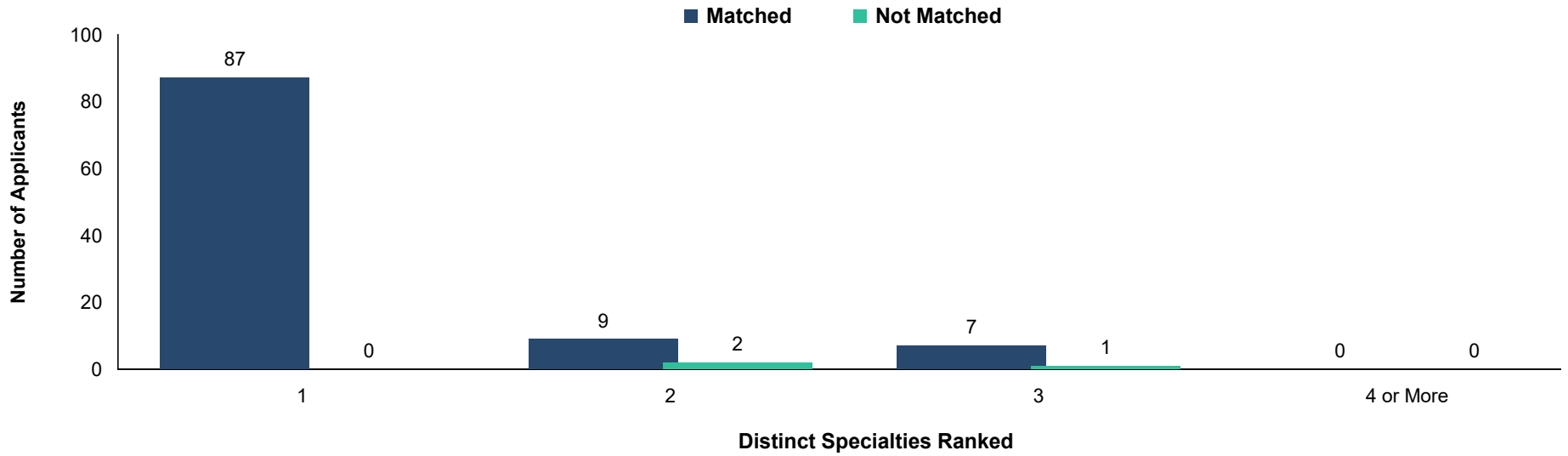
\*Only applicants who indicated completion of the USMLE Step 1 exam prior to the transition to pass/fail (i.e., prior to January 26, 2022) had the option to self-report their Step 1 numeric score. In 2024, only 2,143 U.S. MD seniors self-reported Step 1 numeric scores.

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>).



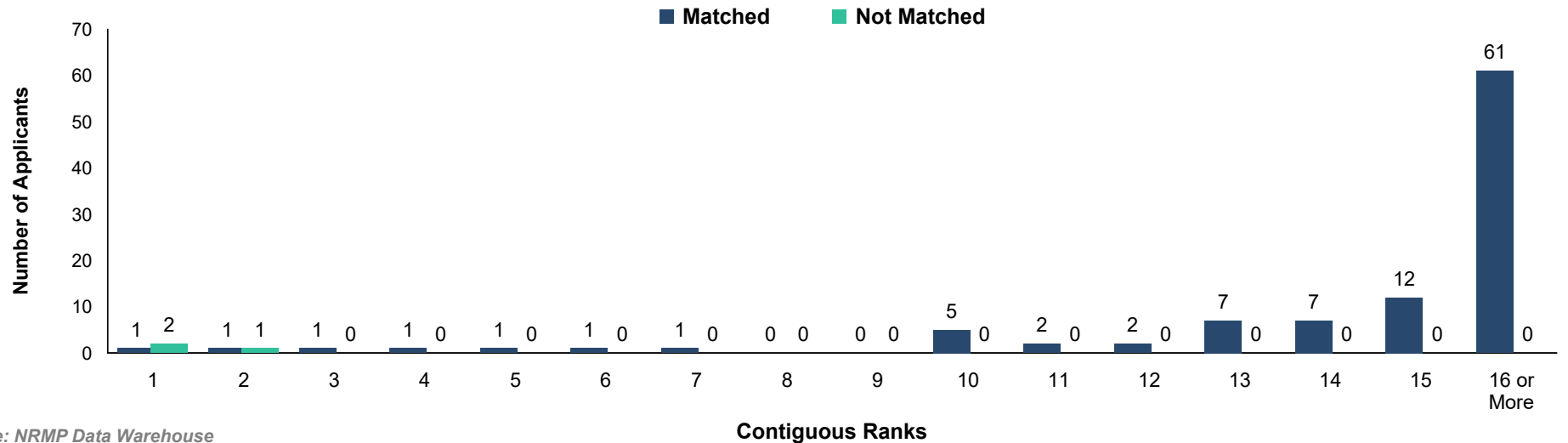
**Chart  
RO-1**

**Number of Distinct Specialties Ranked by U.S. MD Seniors  
*Radiation Oncology***



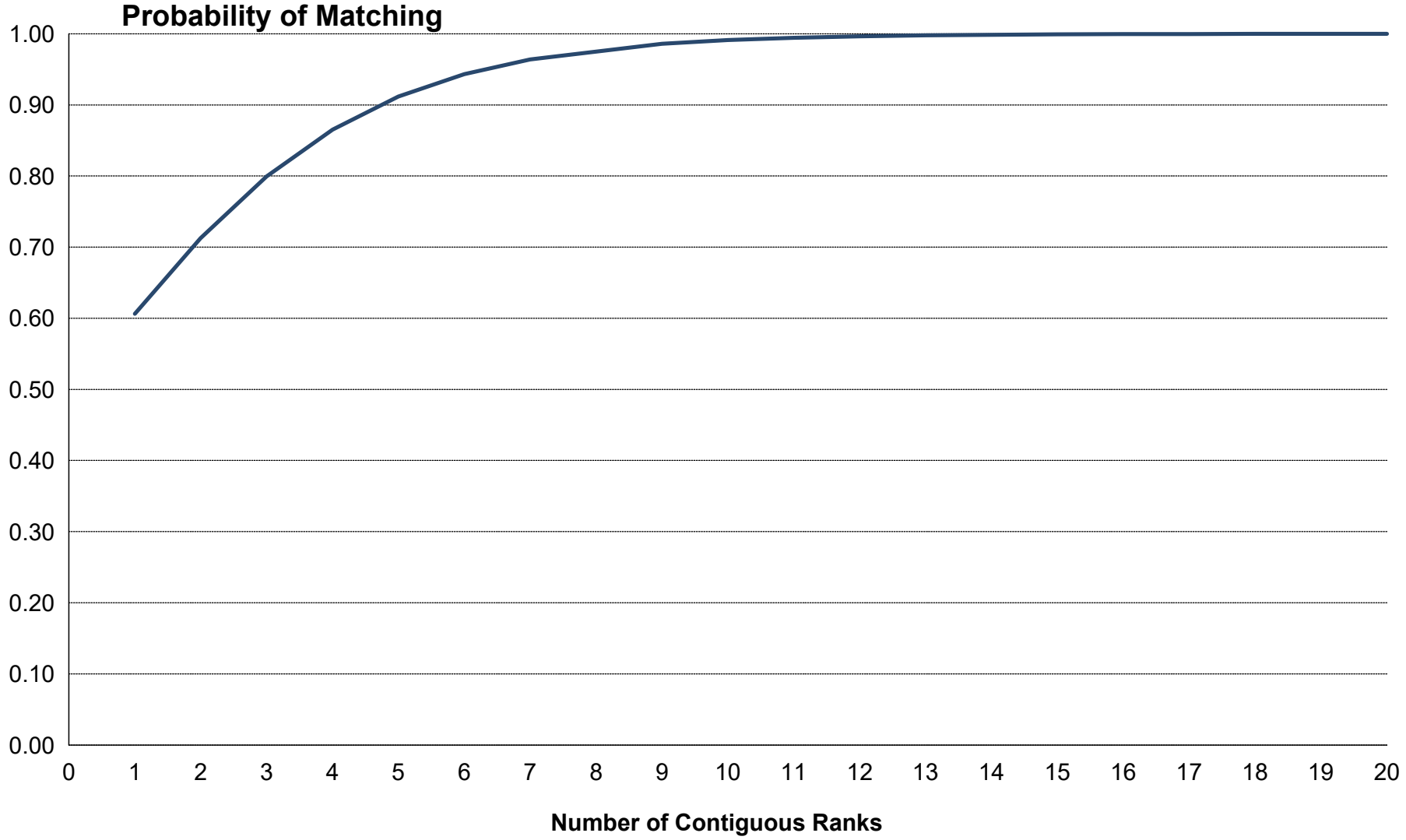
**Chart  
RO-2**

**Number of Contiguous Ranks of U.S. MD Seniors  
*Radiation Oncology***



Source: NRMP Data Warehouse

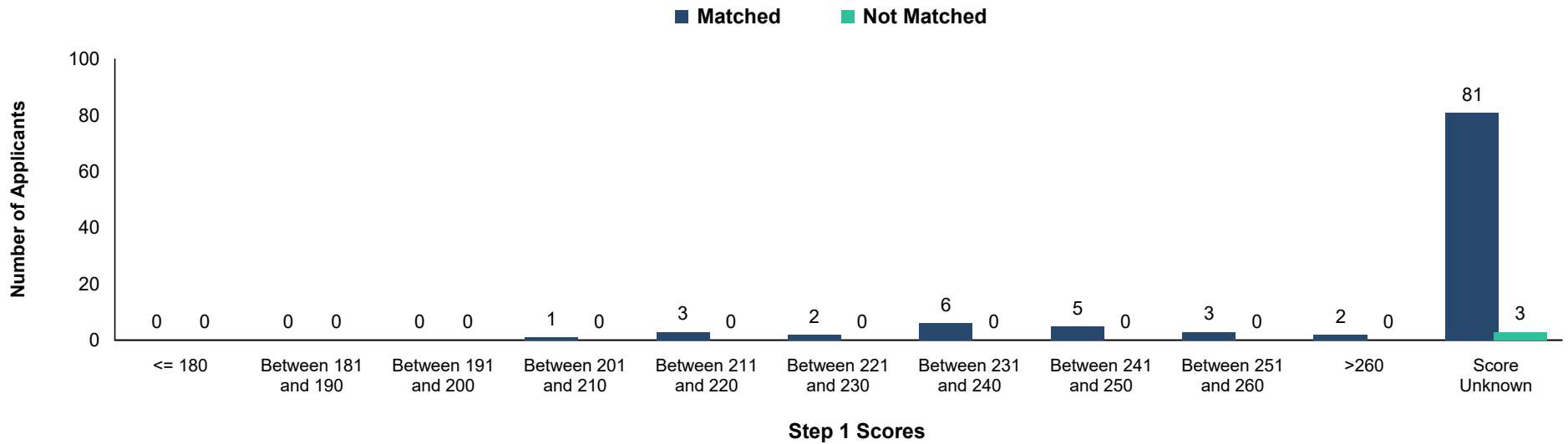
**Probability of U.S. MD Seniors Matching to Preferred Specialty by Number of Contiguous Ranks**  
*Radiation Oncology*



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

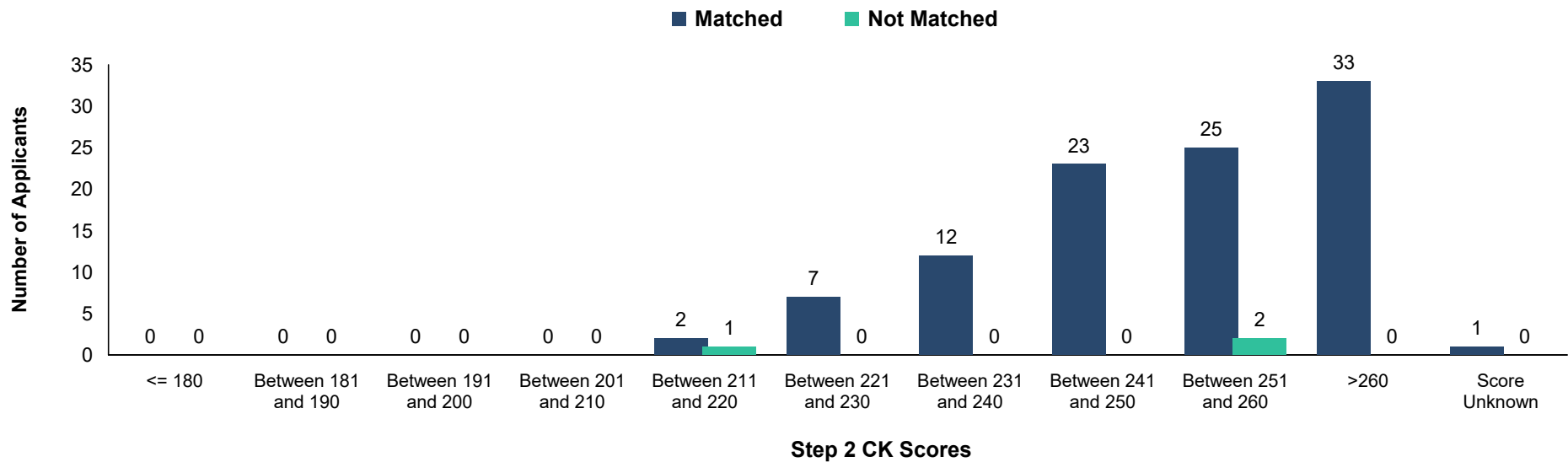
**Chart  
RO-3**

**USMLE Step 1 Scores of U.S. MD Seniors  
Radiation Oncology**



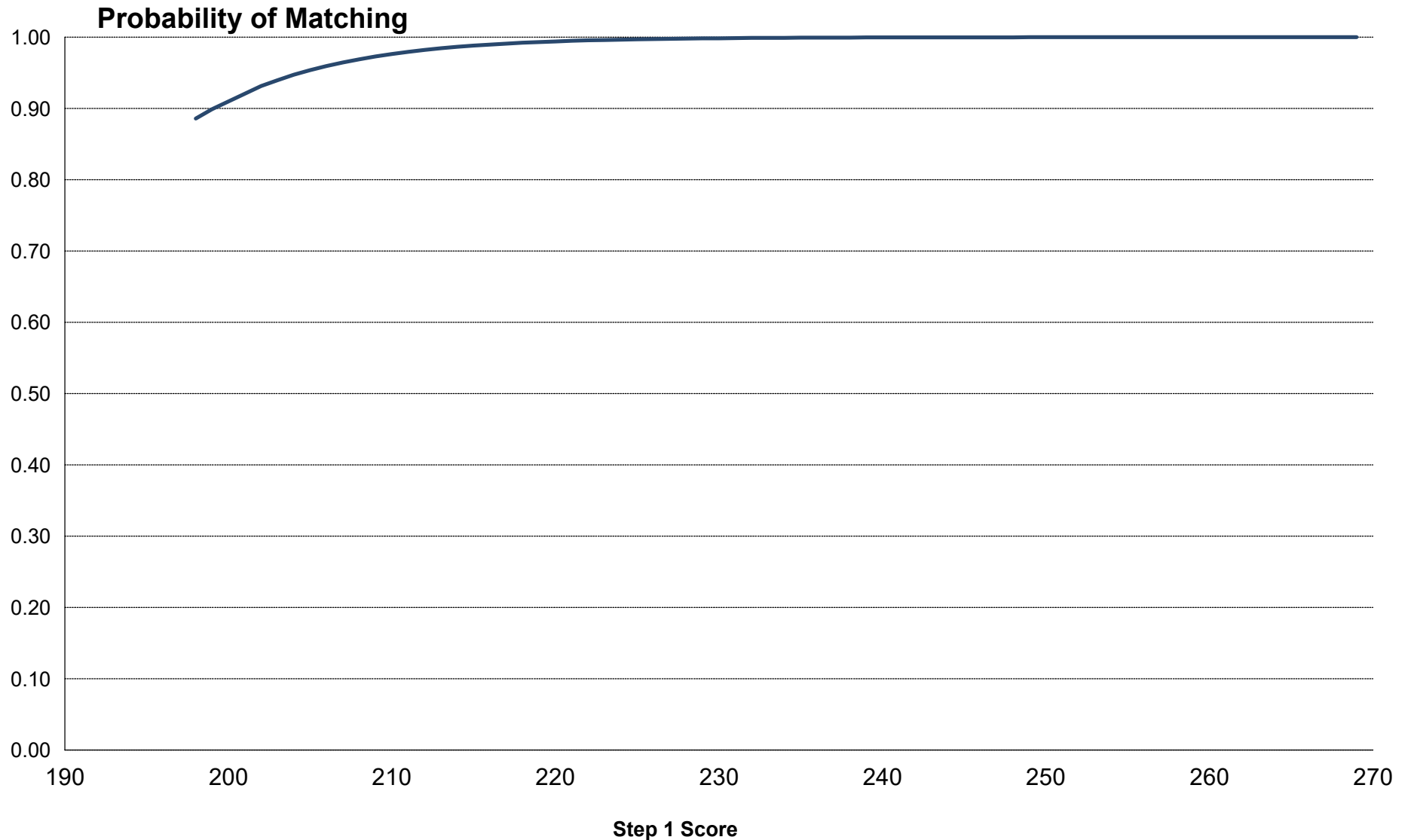
**Chart  
RO-4**

**USMLE Step 2 CK Scores of U.S. MD Seniors  
Radiation Oncology**



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

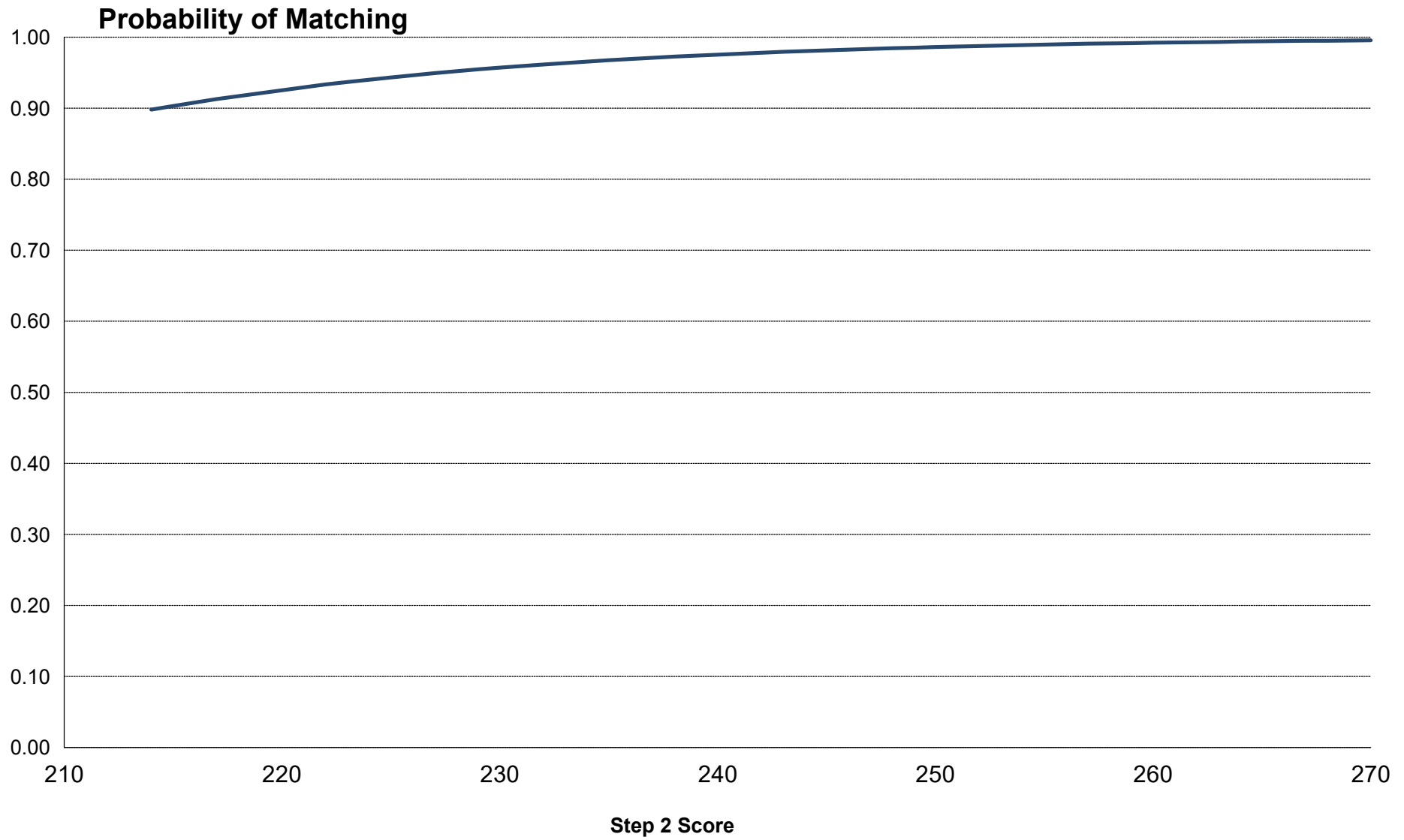
## Radiation Oncology



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

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

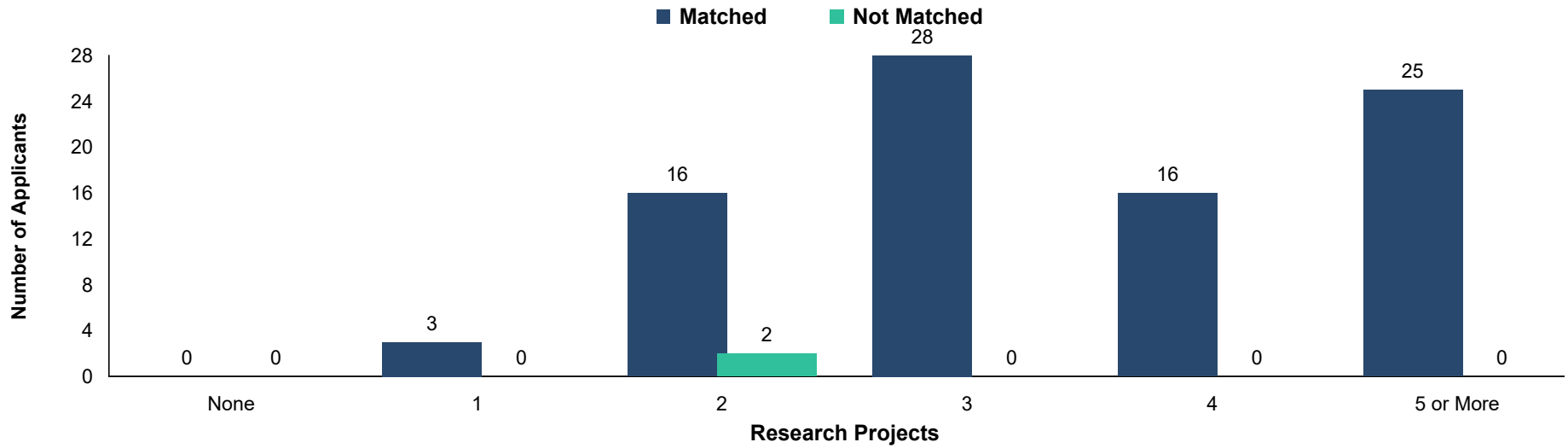
## Radiation Oncology



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

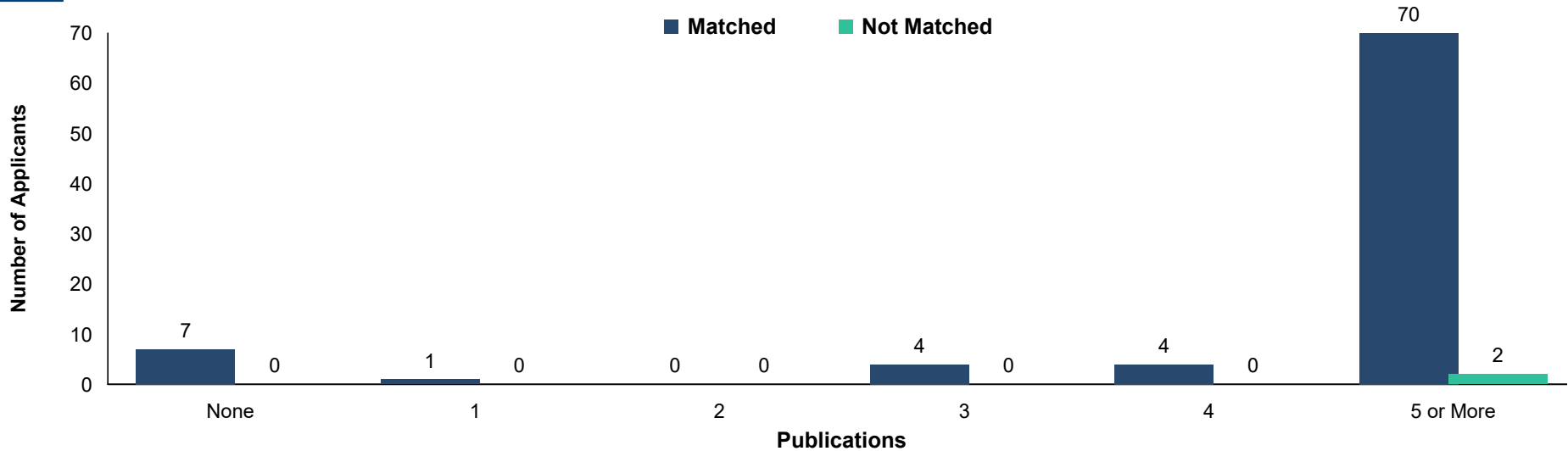
**Chart  
RO-5**

**Number of Research Projects of U.S. MD Seniors  
Radiation Oncology**



**Chart  
RO-6**

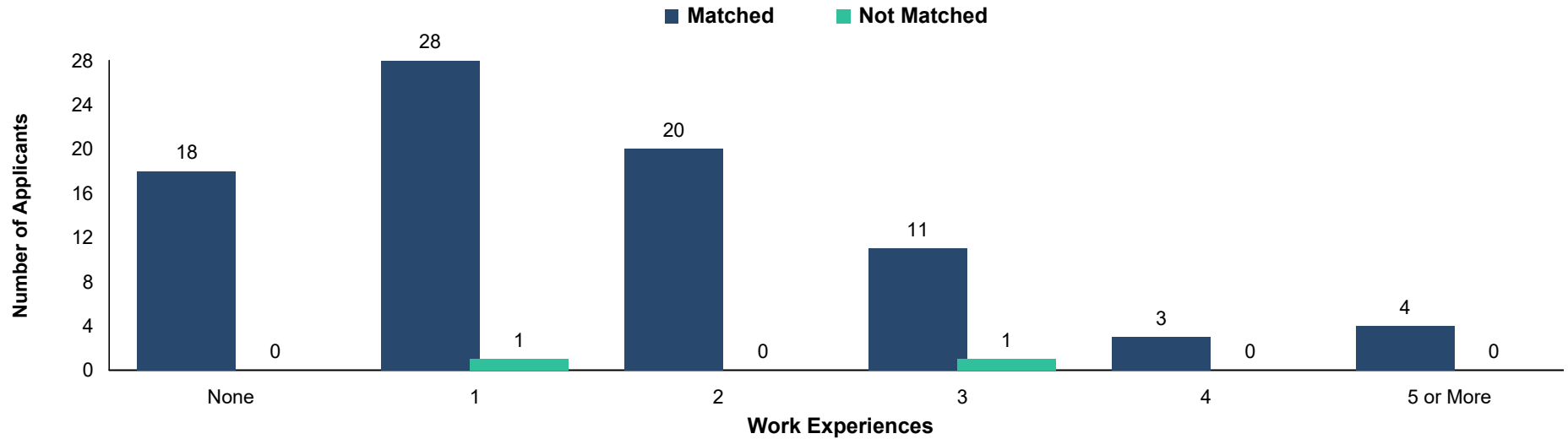
**Number of Abstracts, Presentations, and Publications of U.S. MD Seniors  
Radiation Oncology**



Source: NRMP Data Warehouse

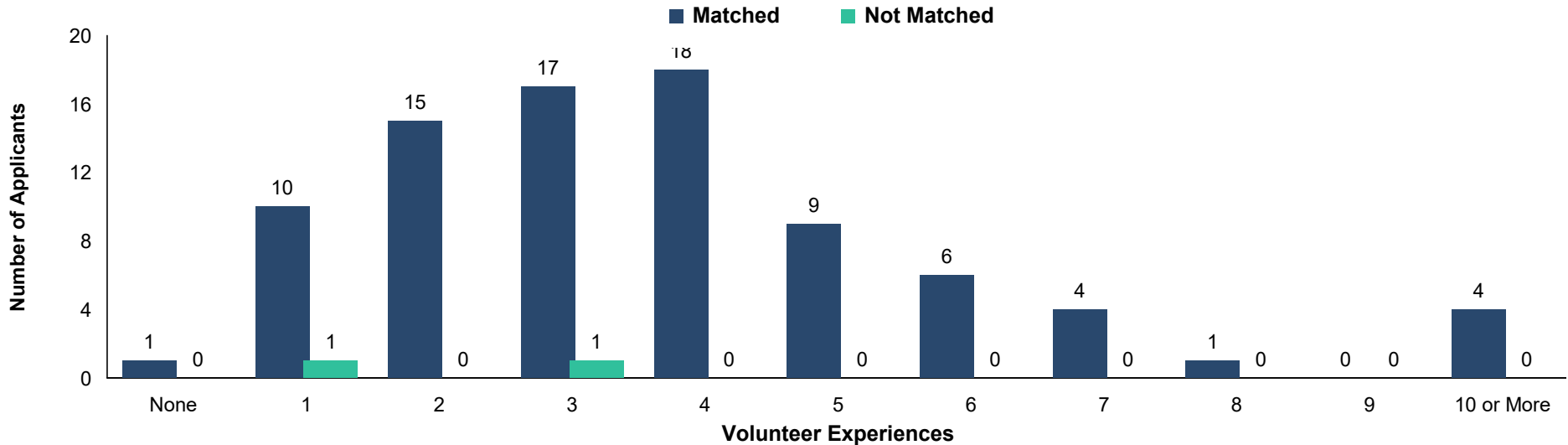
**Chart  
RO-7**

**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**

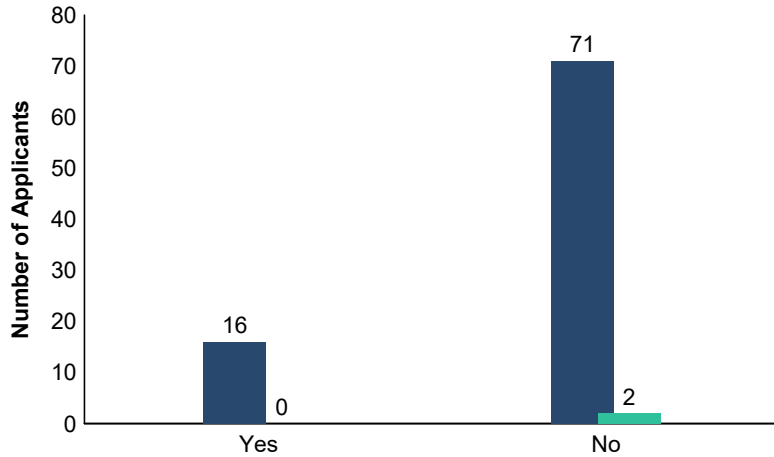


Source: NRMP Data Warehouse

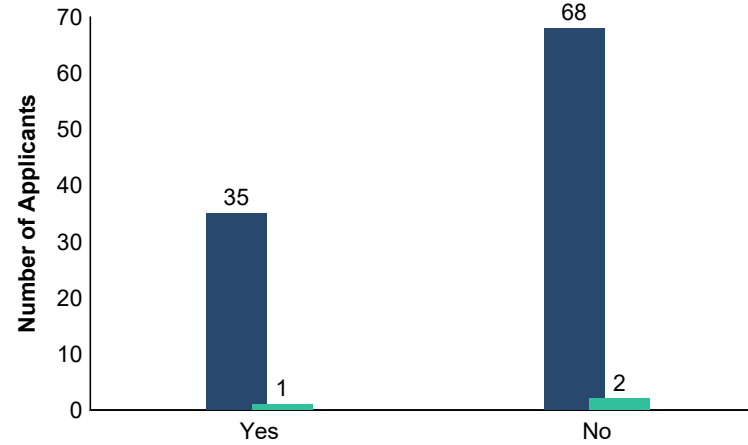
**Other Characteristics of U.S. MD Seniors**  
*Radiation Oncology*

■ Matched     ■ Not Matched

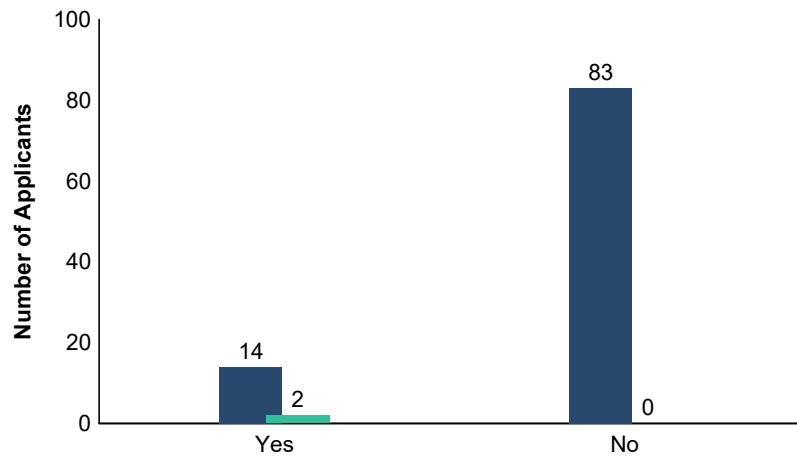
**AOA Membership**



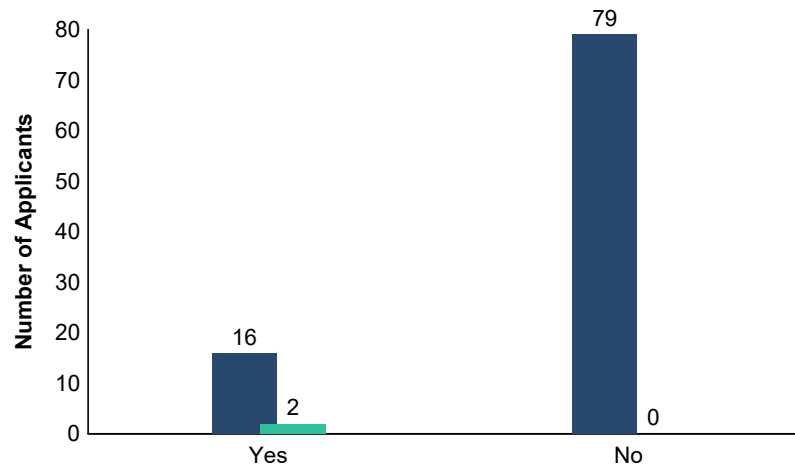
**Graduate of One of the 40 U.S. Medical Schools with the Highest NIH Funding**



**Ph.D. Degree**



**Other Graduate Degree**



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



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**VS** **Vascular Surgery**

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

| Measure   | Matched<br>(n=64) | Unmatched<br>(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                |

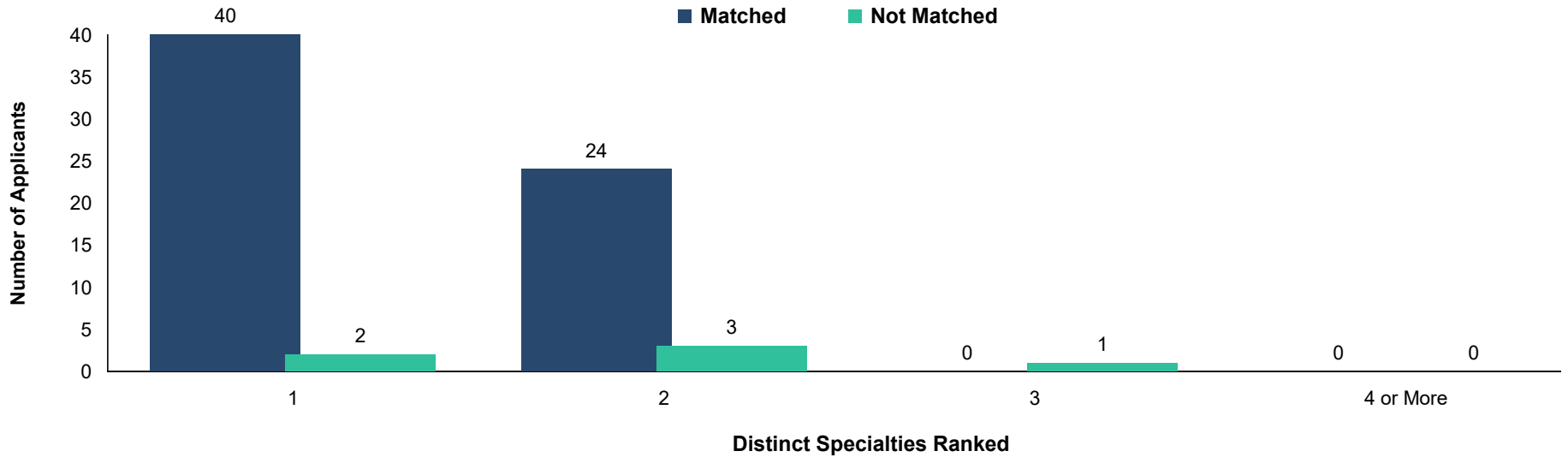
Note: Only U.S. MD seniors who gave consent to use their information in research are included.

\*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>).

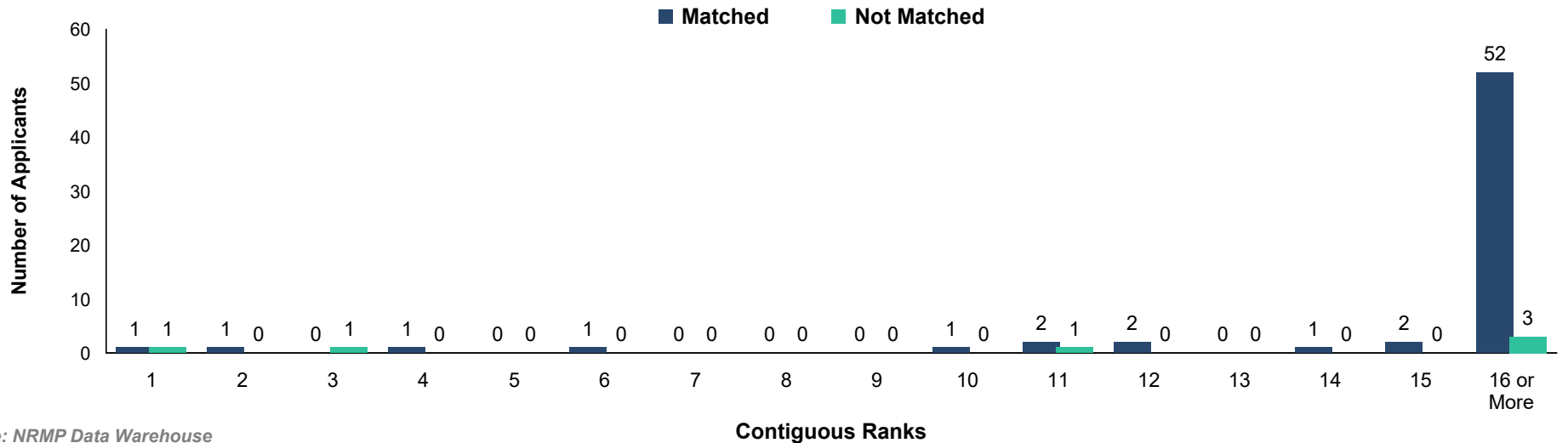
**Chart  
VS-1**

**Number of Distinct Specialties Ranked by U.S. MD Seniors  
Vascular Surgery**



**Chart  
VS-2**

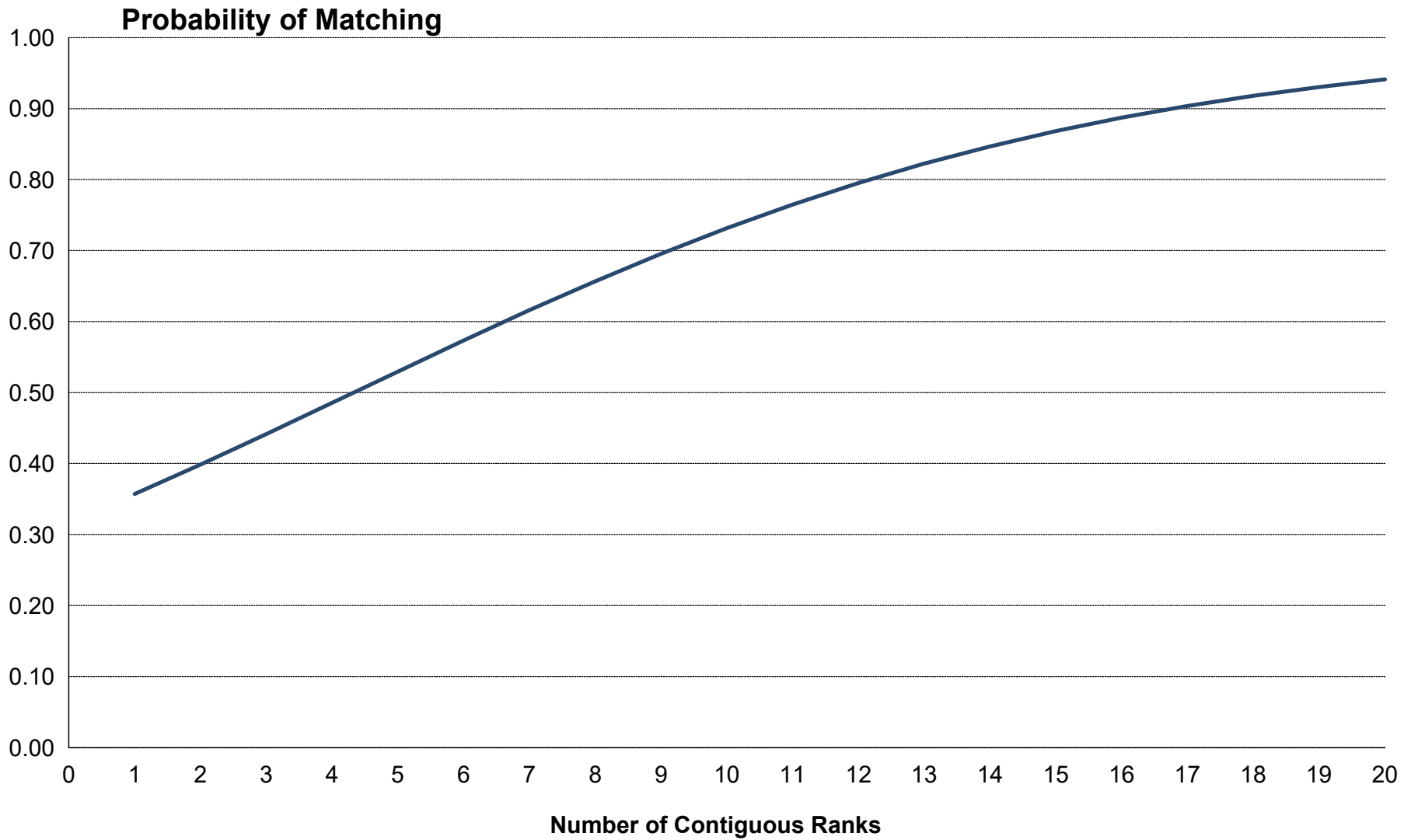
**Number of Contiguous Ranks of U.S. MD Seniors  
Vascular Surgery**



Source: NRMP Data Warehouse

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

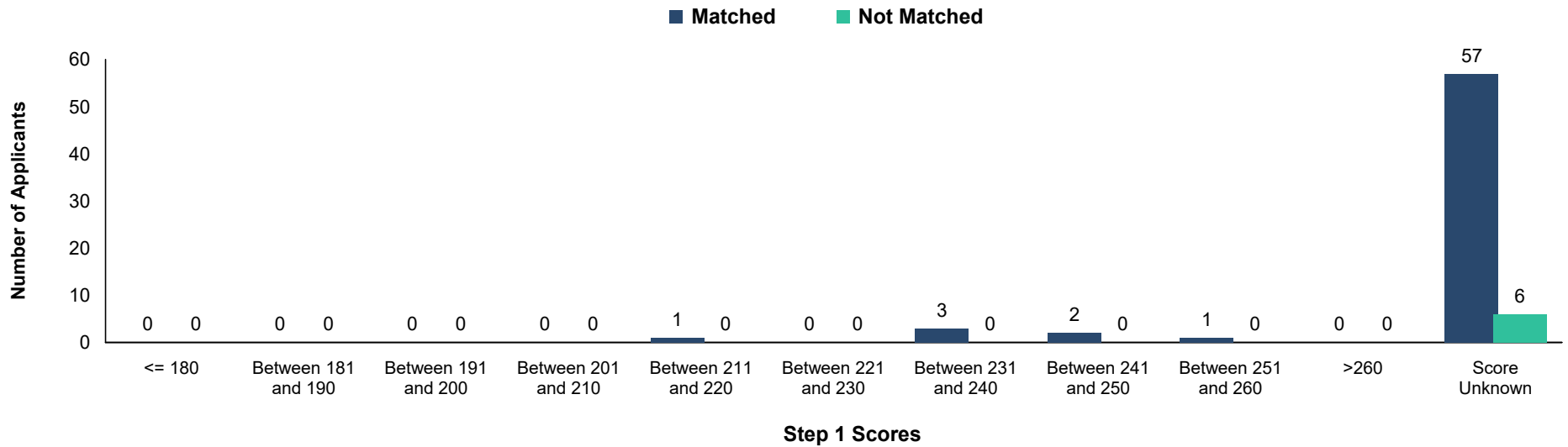
*Vascular Surgery*



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

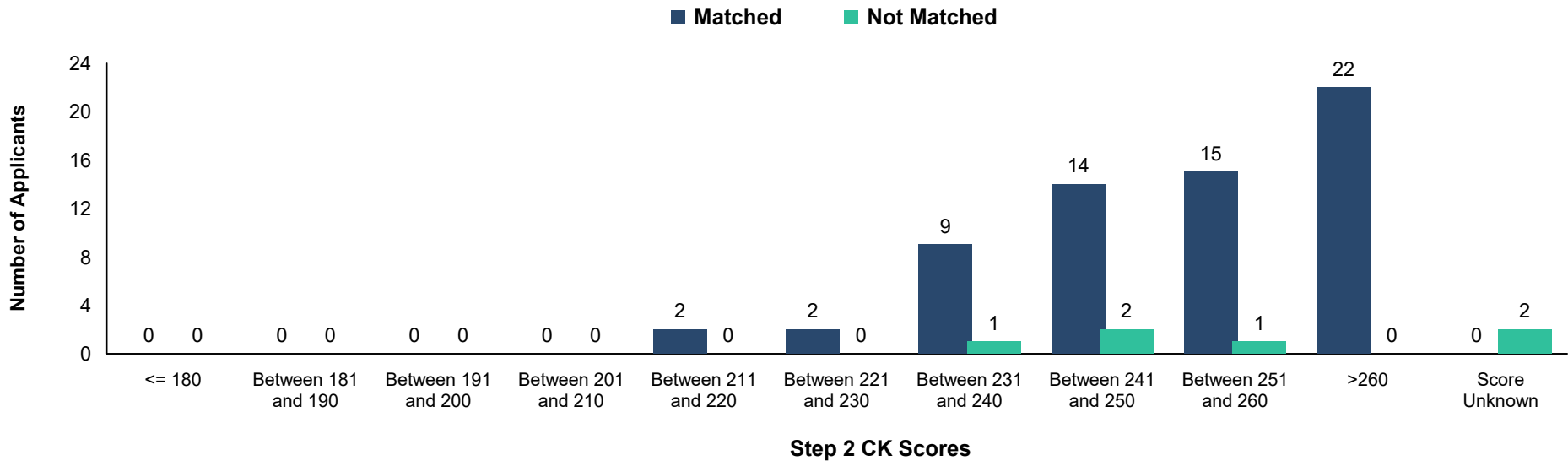
**Chart  
VS-3**

**USMLE Step 1 Scores of U.S. MD Seniors**  
*Vascular Surgery*



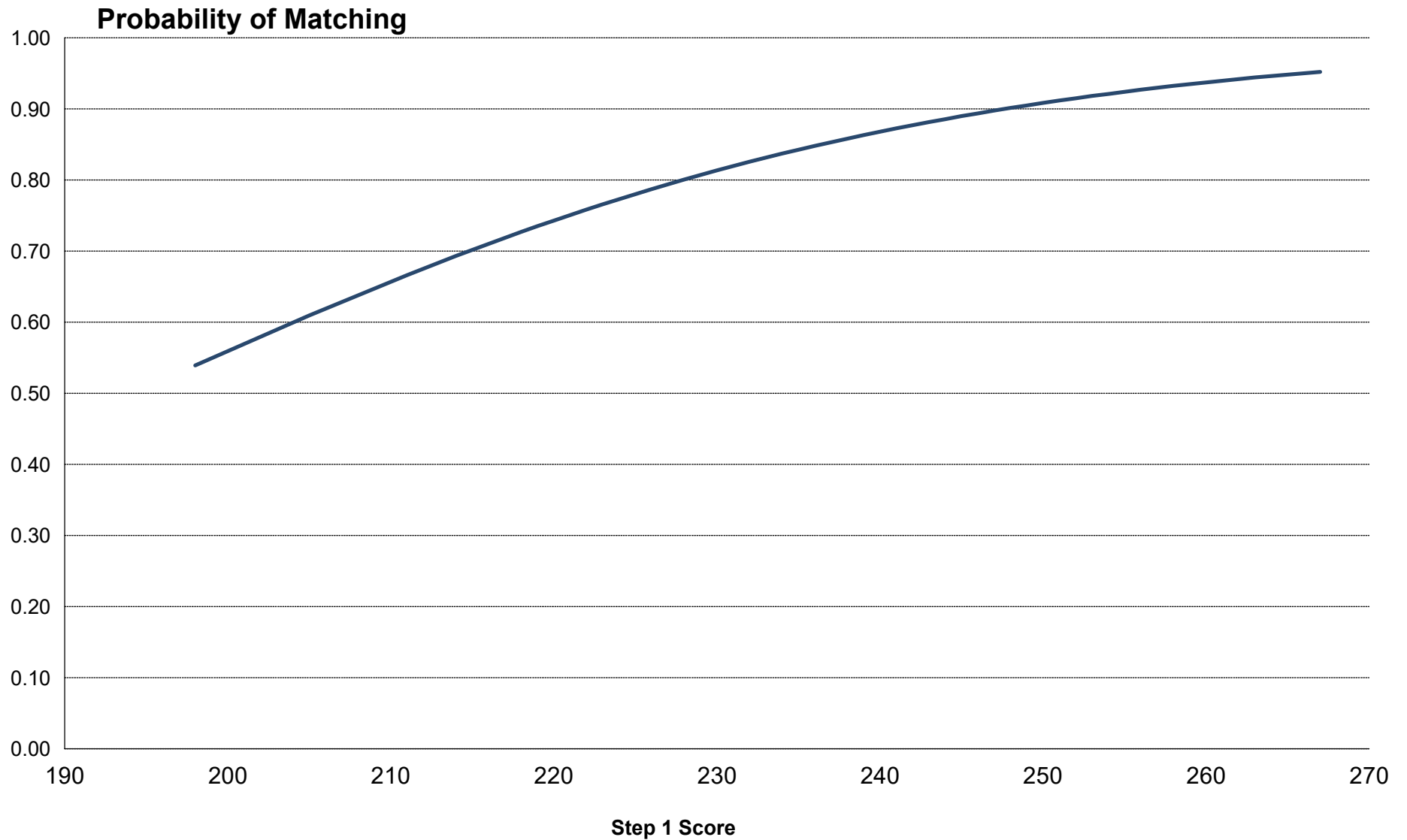
**Chart  
VS-4**

**USMLE Step 2 CK Scores of U.S. MD Seniors**  
*Vascular Surgery*



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

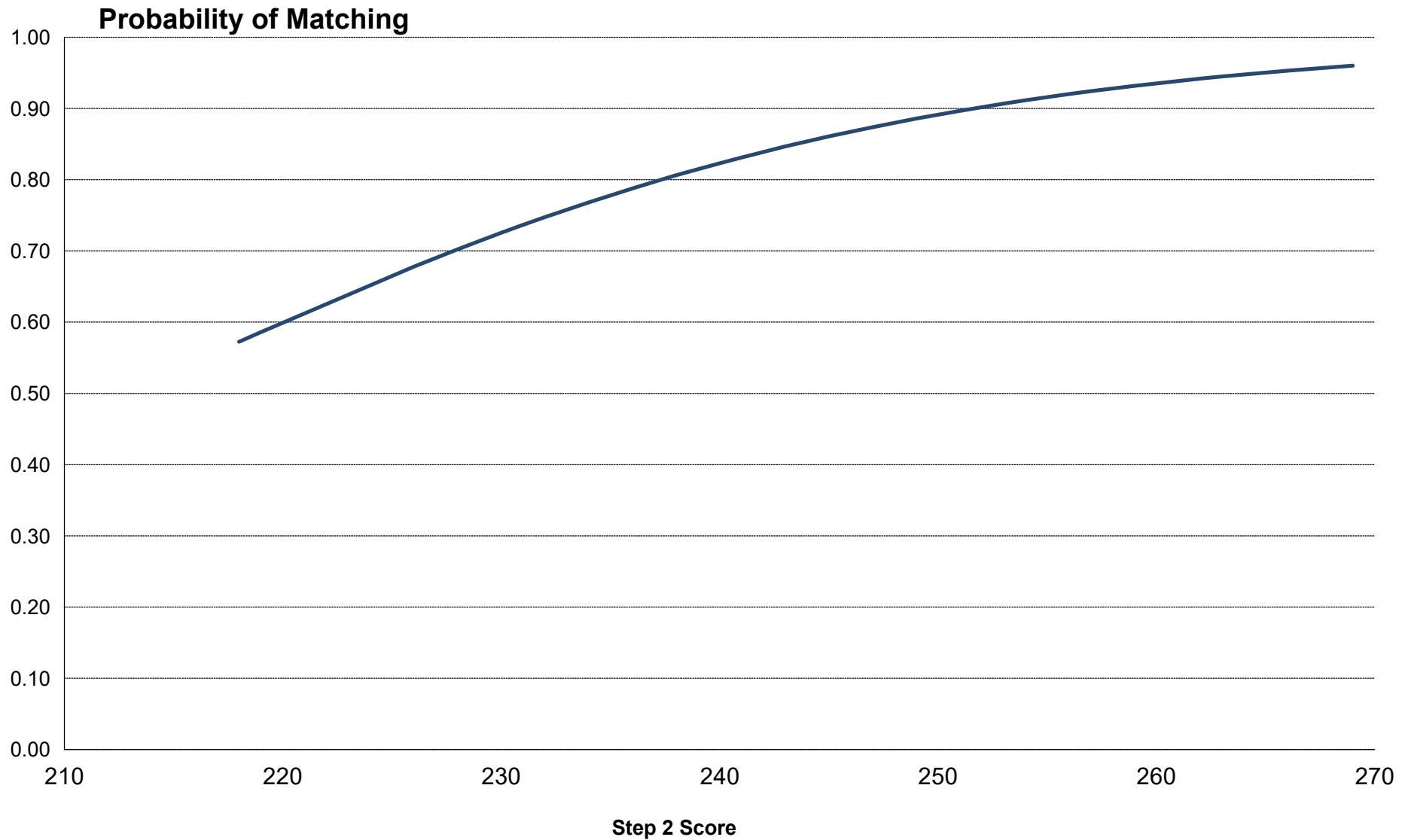
## Vascular Surgery



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

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

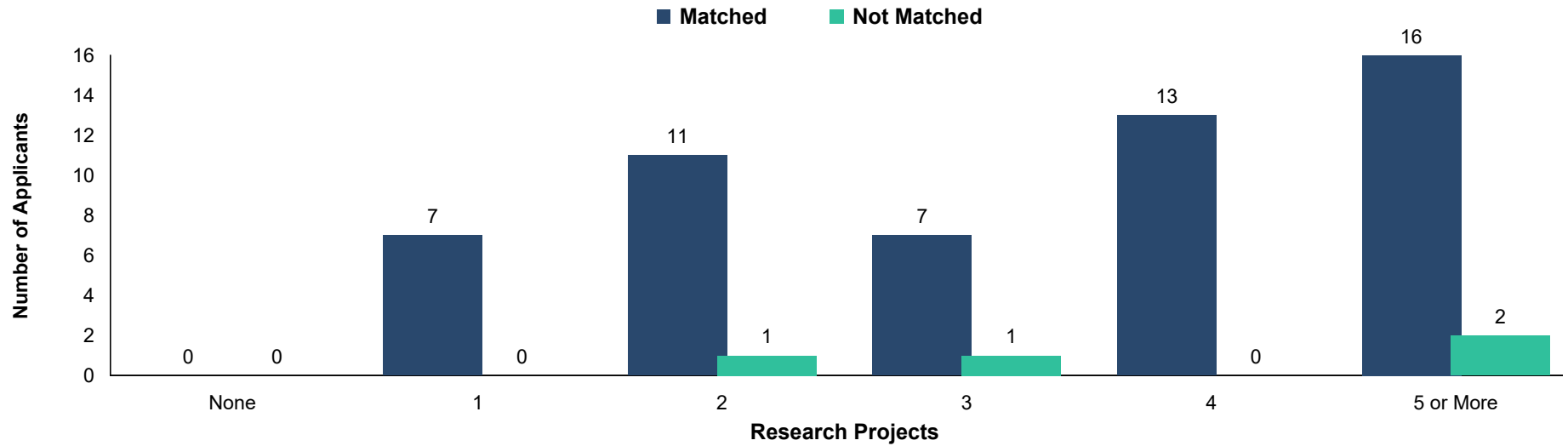
## Vascular Surgery



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

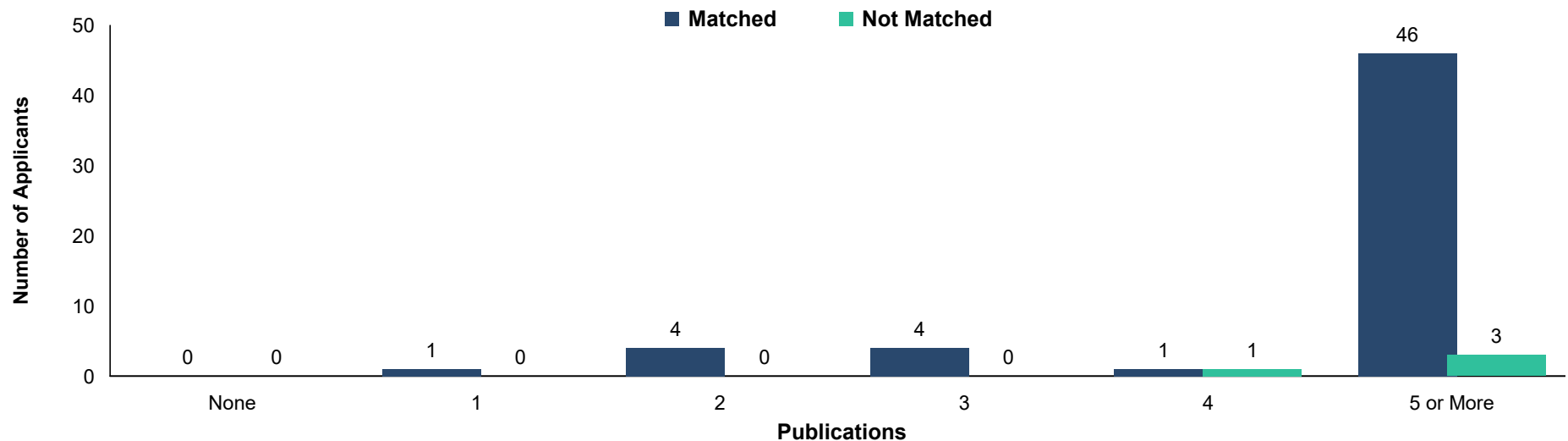
**Chart  
VS-5**

**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*

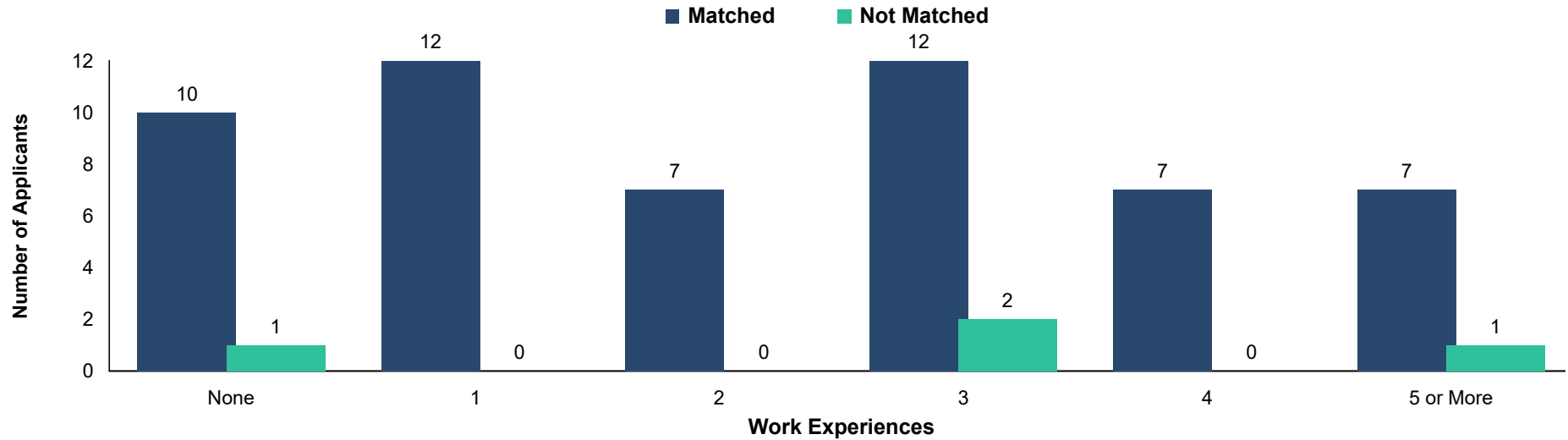


Source: NRMP Data Warehouse



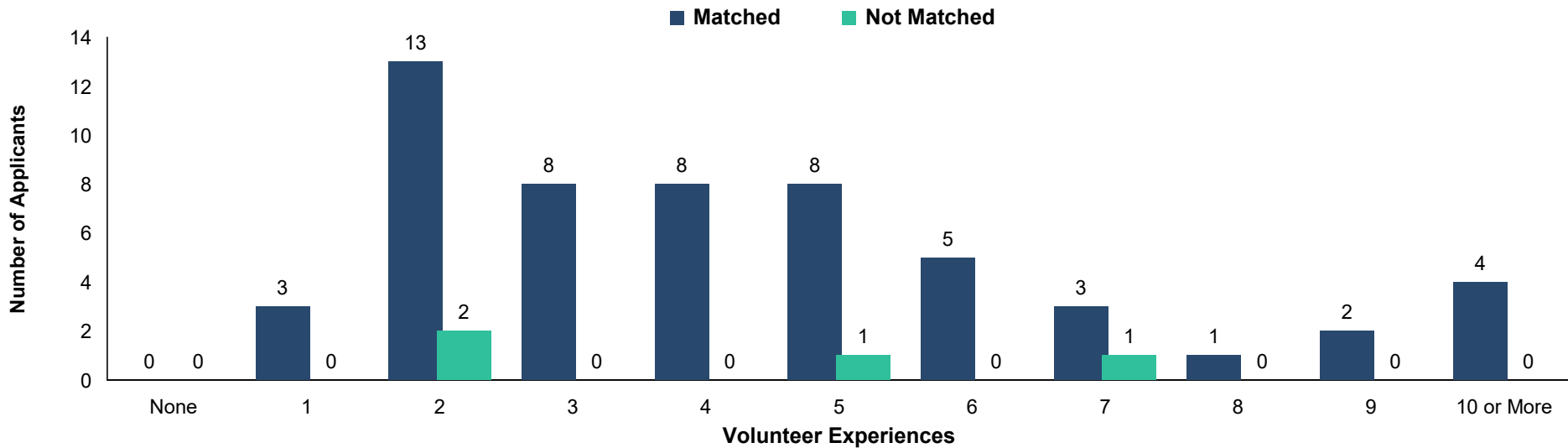
**Chart  
VS-7**

### Number of Work Experiences of U.S. MD Seniors *Vascular Surgery*



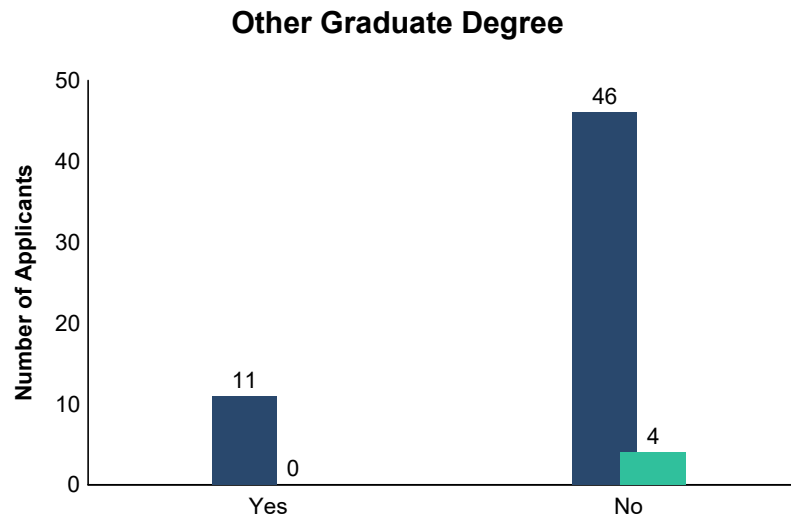
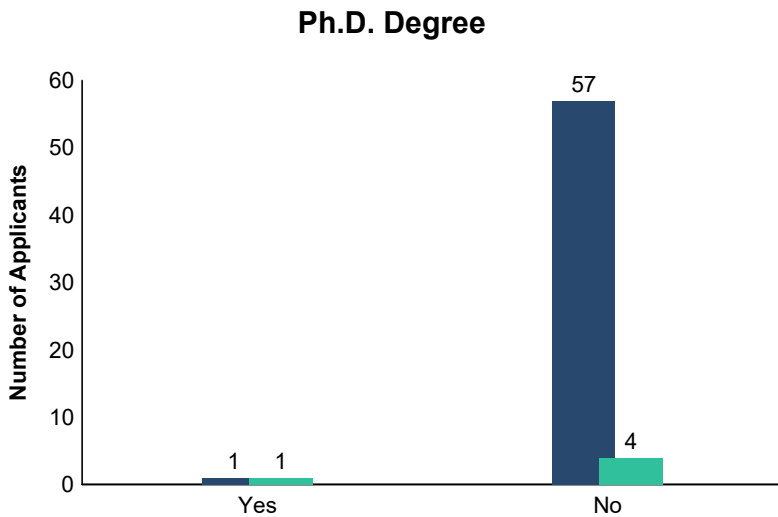
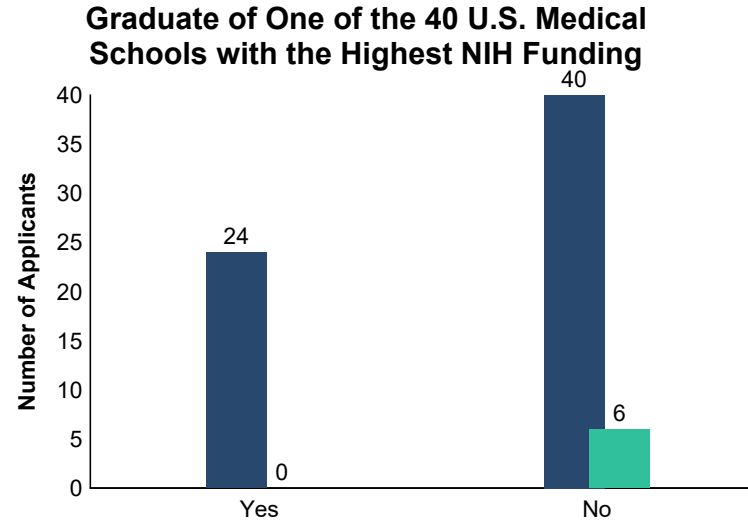
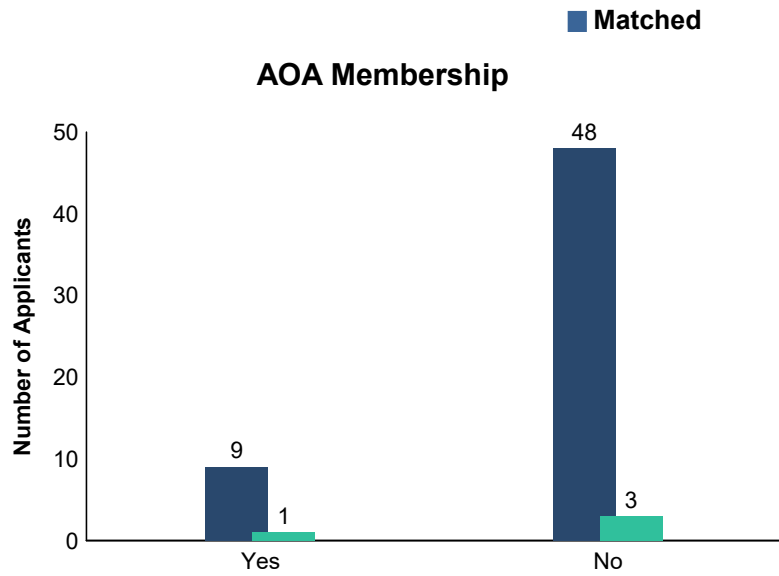
**Chart  
VS-8**

### Number of Volunteer Experiences of U.S. MD Seniors *Vascular Surgery*



Source: NRMP Data Warehouse

**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>