



# **Charting Outcomes™:** **Characteristics of U.S. DO 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 outcomes in the Main Residency Match®. The report was published biennially between 2007 and 2011 and, initially, 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. In 2014, NRMP added an Academic Information section to its Match registration process to collect 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, the *Charting Outcomes in the Match* report examined the Match success of only two applicant groups: senior students from U.S. MD medical schools and independent applicants. Independent applicants included all applicant types other than U.S. MD 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, and U.S. citizen/Non-U.S. citizen students/graduates of international medical schools.

In 2018, upon requests from U.S. DO medical schools, the report on U.S. DO medical seniors/graduates was redesigned to include only senior students of DO medical schools ("U.S. DO seniors"). A U.S. DO senior is a fourth-year medical student in a U.S. osteopathic school of medicine accredited by the Commission on Osteopathic College Accreditation (COCA) with a graduation date after July 1 in the year before the Match. Because DO seniors and graduates were grouped in one category, self-reported graduation dates were used to separate senior students of DO medical schools from graduates of DO medical schools for the purposes of establishing the sample pool used in the report. The 2020 Main Residency Match marked the completion of the transition to a single accreditation system, and DO seniors and graduates were separated in the NRMP system into different applicant categories. This report is the fourth edition of the *Charting Outcomes in the Match* for U.S. DO Seniors. Because the number of U.S. DO medical school graduates is small, there is no separate report on that group.

**Data**

Match outcome, specialty preference, and ranking information were collected through the Main Residency Match. Other applicant characteristics, including Comprehensive Osteopathic Medical Licensing Examinations (COMLEX-USA) Level 1 and Level 2-Cognitive Evaluation (CE) scores, USMLE Step 1 and Step 2 Clinical Knowledge (CK) scores, academic degrees, abstracts/presentations/publications, 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 Level/Step 1 licensure exams to pass/fail (i.e., COMLEX Level 1 exams taken after May 10, 2022 and USMLE Step 1 exams taken after January 26, 2022 only receive a pass/fail rather than a numeric score), the number of applicants reporting Level 1 and Step 1 scores is decreasing and will continue to decrease in upcoming years. In 2024, only 5.3 percent of U.S. DO seniors who consented to provide their academic information upon registration to the Match self-reported numeric Level 1 scores while only 1.9 percent reported USMLE Step 1 scores. While low rates of Level and Step 1 numeric scores being reported was expected due to the transition, nearly all U.S. DO seniors who consented to provide their academic information provided their Level 1 (99.5%) and Step 1 (95.8%) pass/fail status.

To ensure that COMLEX-USA and USMLE scores were not misreported, the NRMP asked DO medical schools to verify the scores of their senior students. In 2024, the majority of the COMLEX-USA Level 1 (87.1%) and Level 2-CE (83.3%) scores and USMLE Step 1 (89.6%) and Step 2 (82.7%) scores used in this report were verified, corrected, or supplied by U.S. DO medical schools (i.e., remaining applicant self-reported scores were not verified by medical schools). Because the self-reported scores are highly accurate, both verified and unverified scores were used to prepare this report: The intraclass correlation coefficient (ICC) between the self-reported scores and school-verified scores was 1.000 (99% CI [1.000, 1.000]) for COMLEX-USA Level 1 scores, 0.975 (99% CI [0.974, 0.977]) for Level 2-CE scores, 1.000 (99% CI [0.999, 1.000]) for USMLE Step 1 scores, and 0.706 (99% CI [0.683, 0.729]) for Step 2 scores.

A total of 8,033 senior students of U.S. DO medical schools submitted certified rank order lists in the 2024 Main Residency Match. After excluding the 20.1 percent who did not give consent to provide their academic information for use in research, 6,415 U.S. DO senior applicants were included in the final dataset. Missing data were found in the number of COMLEX-USA Level 2-CE scores (2.2%), Step 2 scores (38.8%), research experiences (14.4%), number of abstracts, presentations, and publications (14.0%), number of work experiences (14.6%), number of volunteer experiences (14.6%), Ph.D. degree (6.9%), and other graduate degree (6.6%).

**Methods**

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

Twelve measures are incorporated in this report. Probability analyses of U.S. DO seniors matching to a preferred specialty are based on COMLEX-USA Level 1 scores of those 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. DO seniors who match 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 COMLEX-USA Level 1 and Level 2-CE scores
- Have higher USMLE Step 2 CK scores

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 this report 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 COMLEX-USA scores and matching to a preferred specialty, the distributions of scores show that program directors consider other qualifications. A high score is not a guarantee of matching, and a low score is not a bar to matching. In the more competitive specialties, U.S. DO seniors with high scores may not match to their preferred specialties. In less competitive specialties, U.S. DO seniors with scores slightly above passing usually match to their preferred specialties. The data are reassuring because they indicate that some programs do not employ an arbitrary cutoff or decline to consider applicants with less competitive scores.

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 have the highest COMLEX-USA 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**

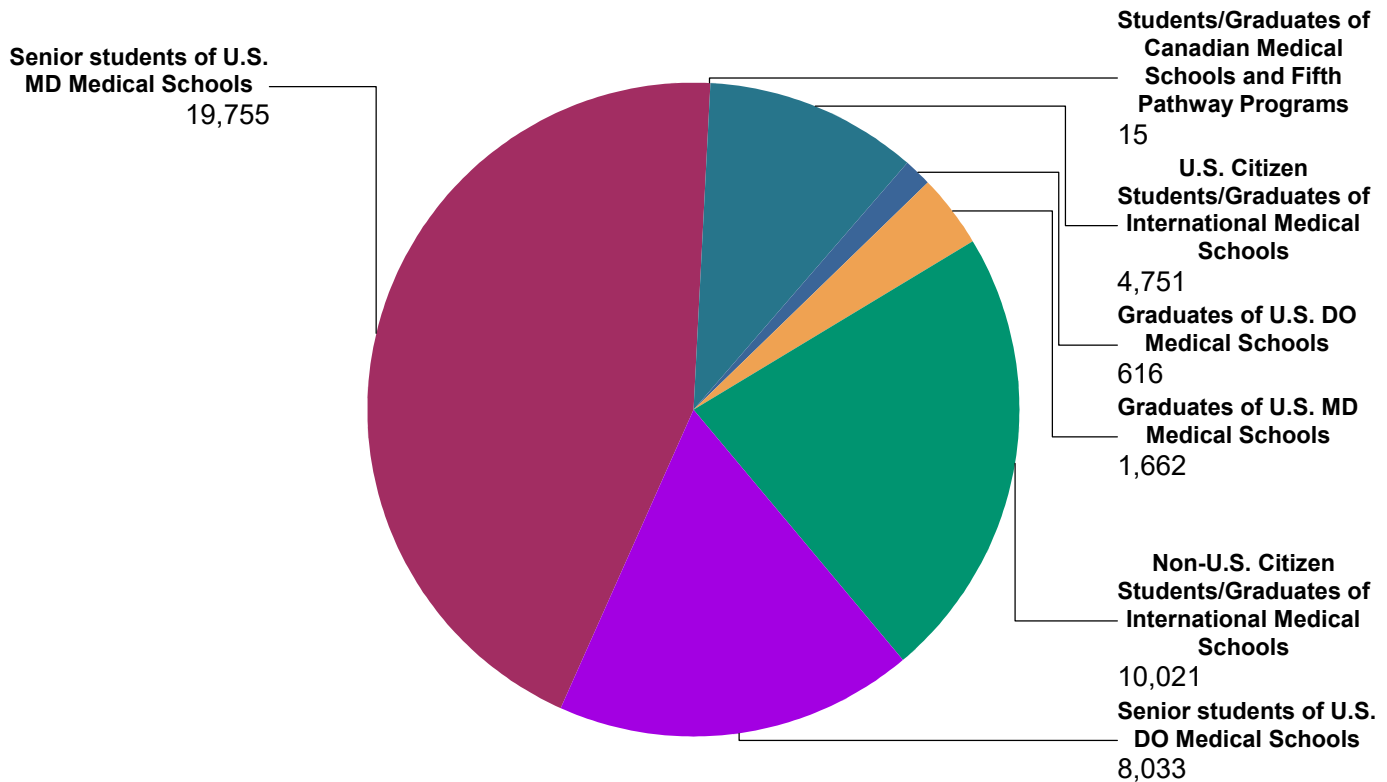


Chart 1 shows the number of active applicants (i.e., applicants who have certified a rank order list) by applicant type in the 2024 Main Residency Match. A total of 44,853 active applicants participated in the 2024 Main Residency Match.

U.S. DO seniors constituted the third largest group, comprising 17.9 percent of applicants in the Match. U.S. MD seniors and Non-U.S. IMGs constituted the two largest groups, with 44.0 percent and 22.3 percent of the applicants in the Match, respectively. 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. DO Senior Applicants |             |       |
|--------------------------------------|-------------------------|--------------------------------|---------------------------------------|-------------------------------------|-------------|-------|
|                                      |                         |                                |                                       | Matched                             | Not Matched | Total |
| Anesthesiology                       | 2,135                   | 2,933                          | 1.37                                  | 307                                 | 220         | 527   |
| Child Neurology                      | 212                     | 211                            | 1.00                                  | 24                                  | 5           | 29    |
| Dermatology                          | 576                     | 916                            | 1.59                                  | 40                                  | 45          | 85    |
| Diagnostic Radiology                 | 1,186                   | 1,566                          | 1.32                                  | 148                                 | 81          | 229   |
| Emergency Medicine                   | 3,026                   | 2,980                          | 0.98                                  | 981                                 | 37          | 1,018 |
| Family Medicine                      | 5,213                   | 4,702                          | 0.90                                  | 1,316                               | 38          | 1,354 |
| General Surgery                      | 1,717                   | 2,529                          | 1.47                                  | 258                                 | 121         | 379   |
| Internal Medicine                    | 10,681                  | 13,143                         | 1.23                                  | 1,638                               | 91          | 1,729 |
| Internal Medicine/Pediatrics         | 390                     | 488                            | 1.25                                  | 29                                  | 16          | 45    |
| Interventional Radiology             | 190                     | 256                            | 1.35                                  | 16                                  | 20          | 36    |
| Neurological Surgery                 | 241                     | 414                            | 1.72                                  | 3                                   | 11          | 14    |
| Neurology                            | 1,126                   | 1,476                          | 1.31                                  | 166                                 | 30          | 196   |
| Obstetrics and Gynecology            | 1,539                   | 2,034                          | 1.32                                  | 290                                 | 140         | 430   |
| Orthopaedic Surgery                  | 916                     | 1,448                          | 1.58                                  | 117                                 | 129         | 246   |
| Otolaryngology                       | 382                     | 496                            | 1.30                                  | 26                                  | 15          | 41    |
| Pathology                            | 628                     | 942                            | 1.50                                  | 86                                  | 17          | 103   |
| Pediatrics                           | 3,139                   | 2,904                          | 0.93                                  | 570                                 | 3           | 573   |
| Physical Medicine and Rehabilitation | 577                     | 740                            | 1.28                                  | 194                                 | 72          | 266   |
| Psychiatry                           | 2,261                   | 2,859                          | 1.26                                  | 487                                 | 113         | 600   |
| Vascular Surgery                     | 100                     | 139                            | 1.39                                  | 8                                   | 1           | 9     |

\* 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.

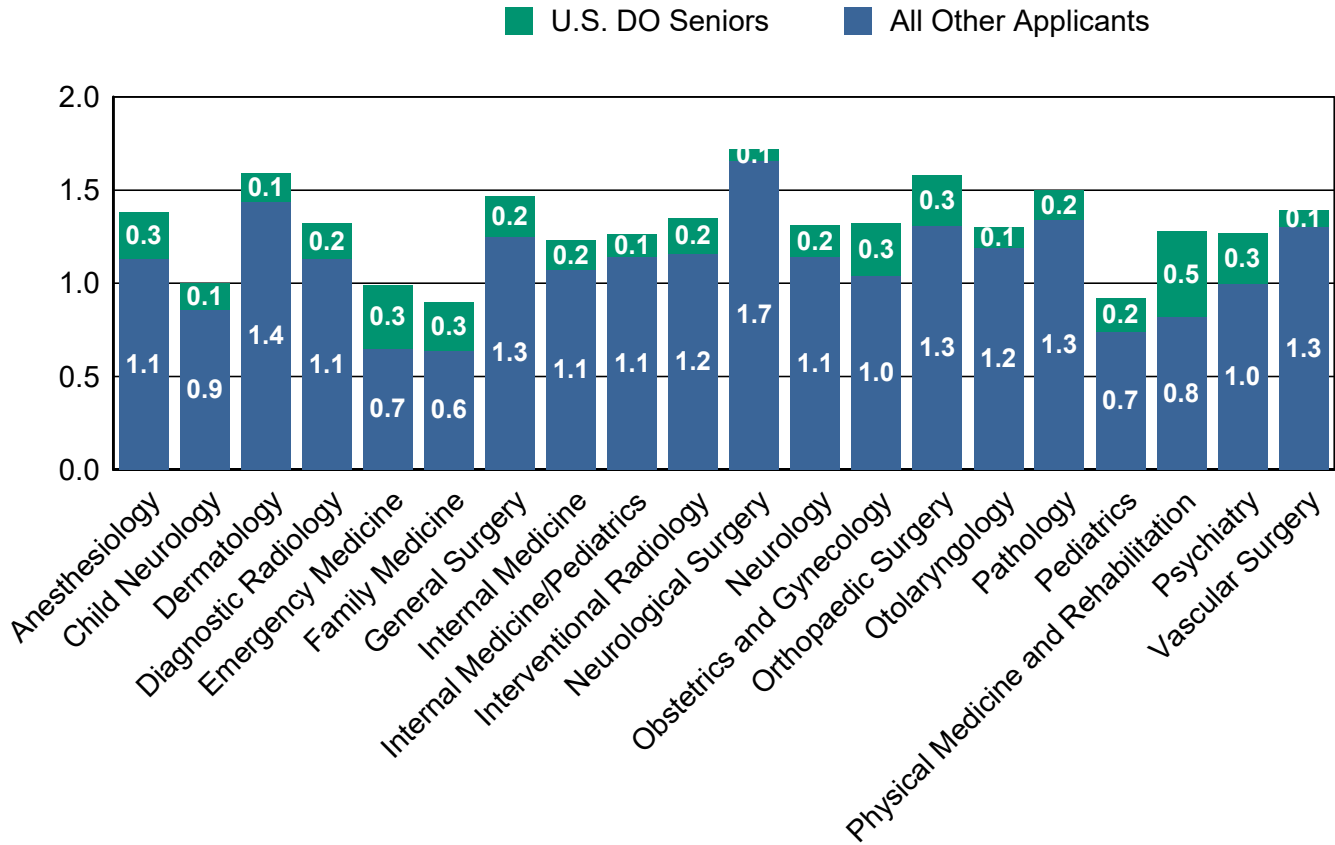
Table 1 provides a summary of the numbers of positions offered in selected specialties, the number of applicants who preferred each specialty (i.e., specialty of the first-ranked program on an applicant's rank order list), and the number of U.S. DO seniors who preferred each specialty. For example, a total of 2,933 applicants preferred Anesthesiology, among whom 527 are U.S. DO seniors (307 matched and 220 not matched to Anesthesiology). For each of the 2,135 positions offered, there were 1.37 applicants who preferred the specialty.

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 U.S. DO Seniors Ranking Specialty First / Available Positions  
by Preferred Specialty**

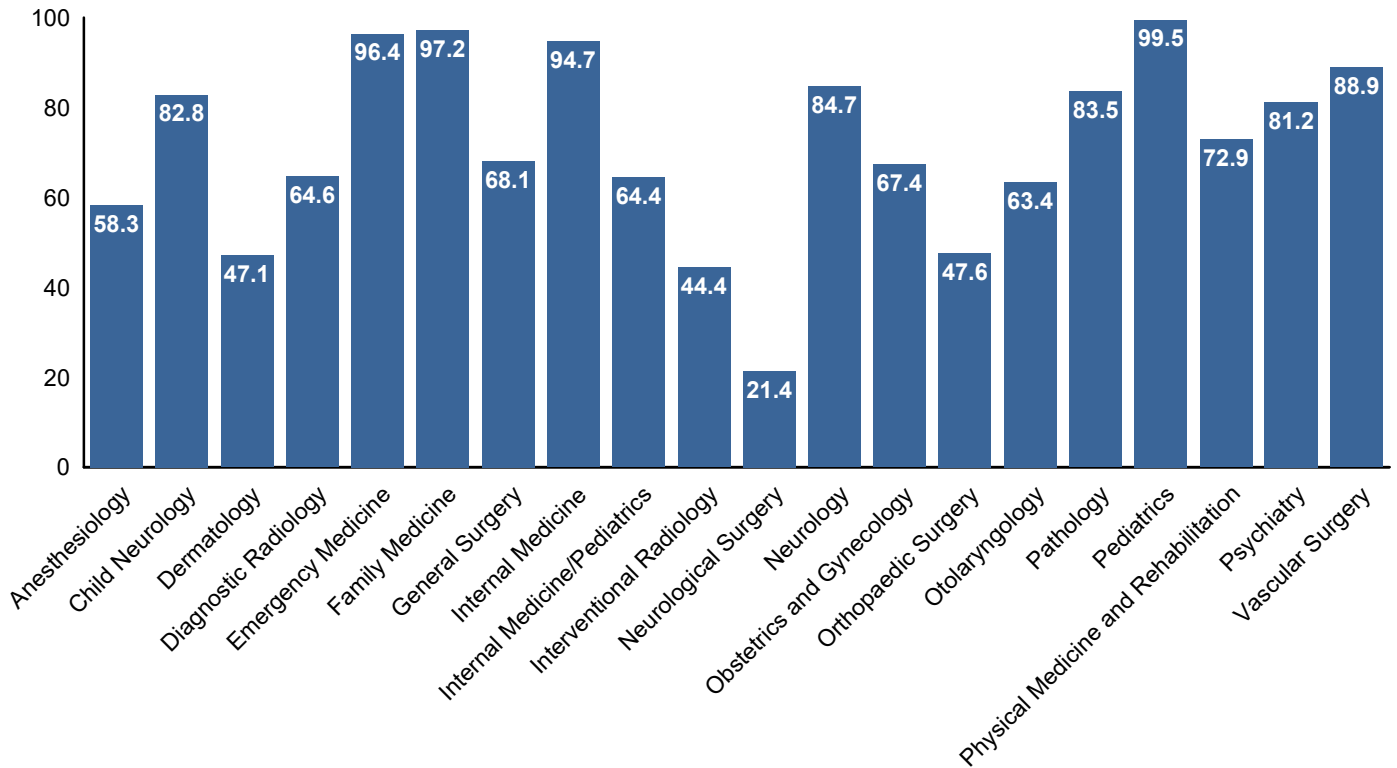


Source: NRMP Data Warehouse

Chart 2 shows the ratios of U.S. DO seniors and all applicants who preferred each specialty to available positions in that specialty. For all specialties displayed in the chart except Child Neurology, Emergency Medicine, Family Medicine, and Pediatrics, the total number of applicants preferring each specialty was more than the number of available positions. Among all specialties in the chart, Neurological Surgery had the highest ratio of all applicants per position; however, the highest ratio for U.S. DO seniors was in Physical Medicine and Rehabilitation.

**Chart  
3**

**Match Rates of U.S. DO Seniors  
Percent Matched by Preferred Specialty**



Source: NRMP Data Warehouse

Chart 3 shows the percentages of U.S. DO seniors who matched to their preferred specialty. Overall, 84.6 percent of U.S. DO seniors matched to their preferred specialty, ranging from a high of 99.5 percent (Pediatrics) to a low of 21.4 percent (Neurological Surgery).

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

| Measure                                                      | Matched<br>(n=5,437) | Not Matched<br>(n=968) |
|--------------------------------------------------------------|----------------------|------------------------|
| 1. Mean number of contiguous ranks                           | 12.2                 | 4.4                    |
| 2. Mean number of distinct specialties ranked                | 1.2                  | 1.8                    |
| 3. Mean COMLEX-USA Level 1 score*                            | 513                  | 484                    |
| 4. Mean COMLEX-USA Level 2-CE score                          | 544                  | 517                    |
| 5. Mean USMLE Step 1 score*                                  | 225                  | 225                    |
| 6. Mean USMLE Step 2 CK score                                | 244                  | 238                    |
| 7. Mean number of research experiences                       | 2.4                  | 3.0                    |
| 8. Mean number of abstracts, presentations, and publications | 4.3                  | 5.1                    |
| 9. Mean number of work experiences                           | 2.3                  | 2.6                    |
| 10. Mean number of volunteer experiences                     | 4.5                  | 4.3                    |
| 11. Percentage who have a Ph.D. degree                       | 0.4                  | 0.4                    |
| 12. Percentage who have another graduate degree              | 25.1                 | 32.4                   |

Sources: NRMP Data Warehouse

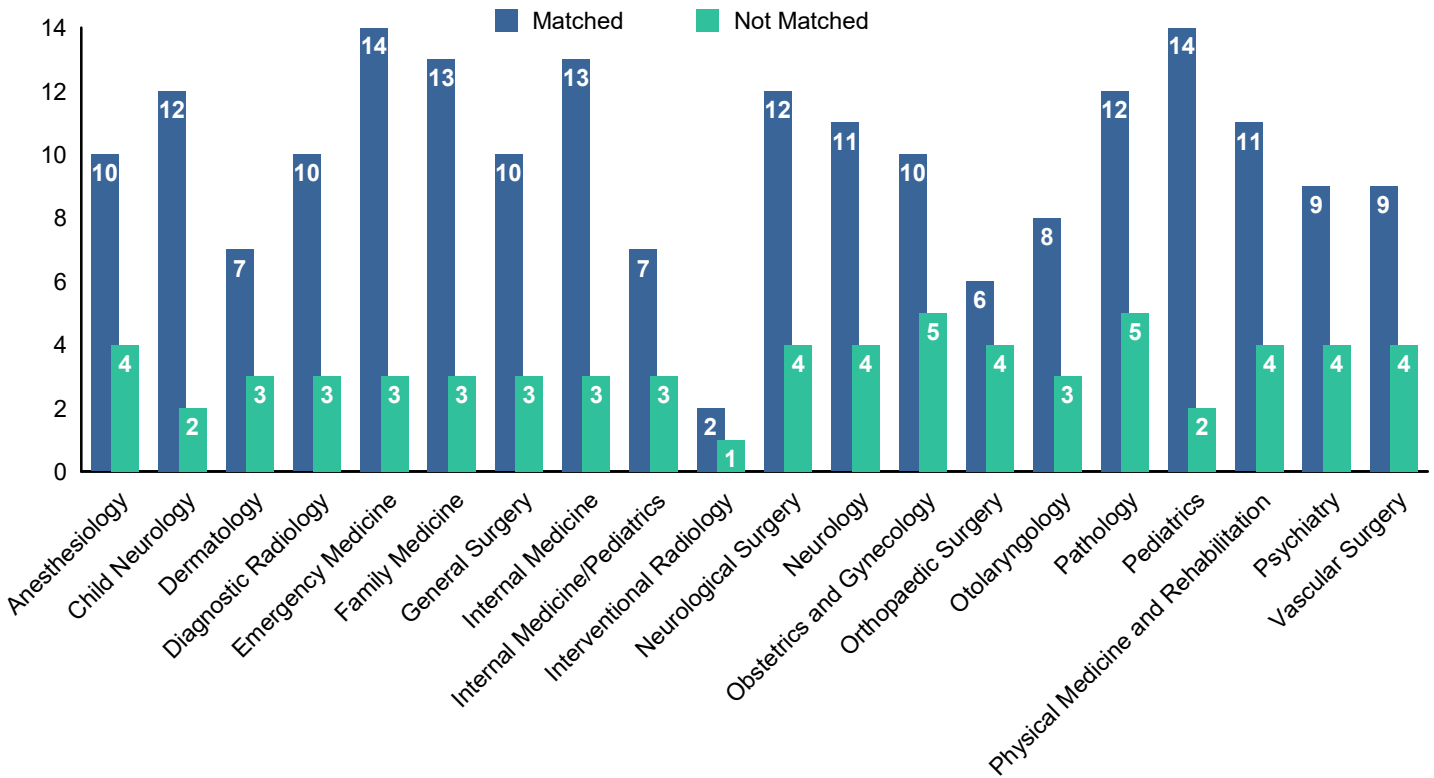
\*Only applicants who indicated completion of the COMLEX Level 1 or USMLE Step 1 exams prior to the transition to pass/fail (i.e., prior to May 10, 2022 for Level 1, January 26, 2022 for Step 1) had the option to self-report their numeric scores. In 2024, only 340 U.S. DO seniors self-reported Level 1 numeric scores, while only 123 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 3-12 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. DO 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 COMLEX Level 1 and USMLE Step 1 scores, it is important to note that due to the transition from numeric scores to pass/fail, only 340 of U.S. DO seniors self-reported their Level 1 numeric score in 2024, along with 123 reporting Step 1 numeric scores.

Compared to U.S. DO seniors who did not match, those who matched had higher mean numbers of contiguous ranks, COMLEX Level 1 scores, and COMLEX Level 2-CE scores. U.S. DO seniors who did not match had higher percentages of applicants who have a graduate degree other than a Ph.D.

**Chart  
4**

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



Source: NRMP Data Warehouse

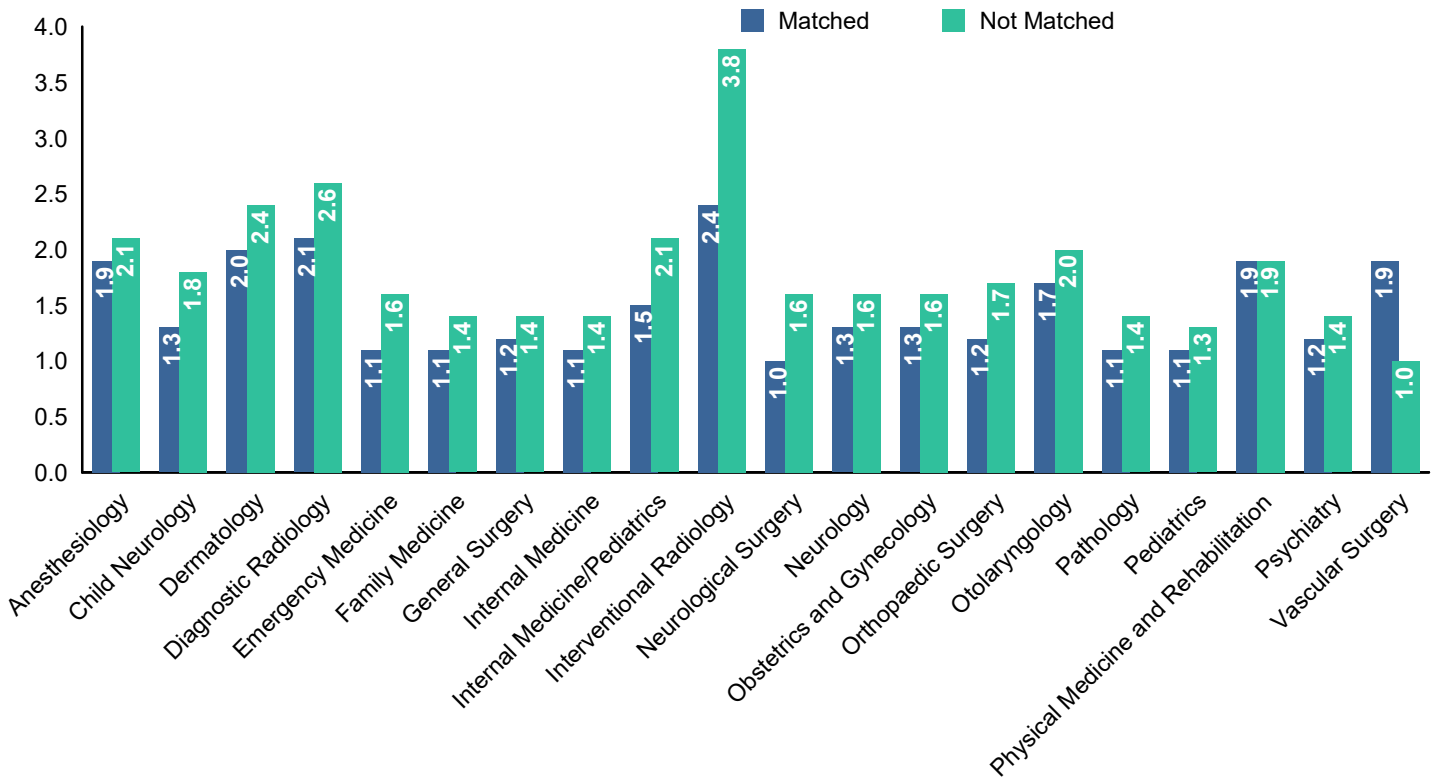
In general, applicants are more likely to be successful if they rank more programs in their desired specialty. To quantify this aspect of applicant behavior, we tallied the number of programs ranked in the first-choice specialty before a program in another specialty appeared on the applicant's rank order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

Chart 4 displays the median number of contiguous ranks by preferred specialty for U.S. DO seniors who did and did not match to their preferred specialty. Both groups show variation across specialties. For all specialties, U.S. DO seniors who matched to their preferred specialty had median contiguous rank lists that were longer than those who did not match. Emergency Medicine and Pediatrics had the longest average contiguous rank list (14) for matched U.S. DO seniors while Interventional Radiology had the shortest (2).

The principal message is that applicants with longer rank order lists are more successful than those with shorter rank order lists.

**Chart  
5**

**Mean Number of Different Specialties Ranked by U.S. DO Seniors  
by Preferred Specialty and Match Status**

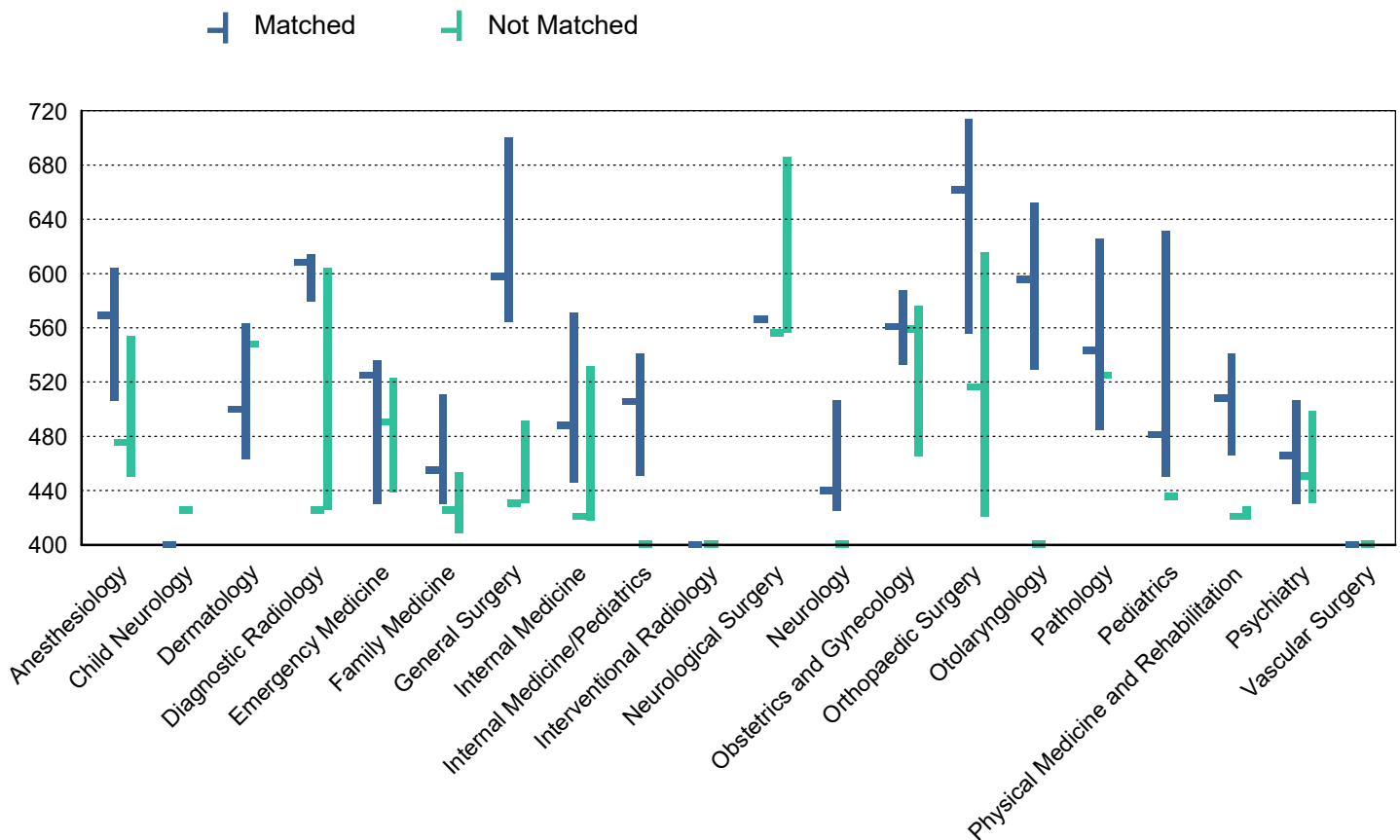


Source: NRMP Data Warehouse

Many 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 Vascular Surgery and Physical Medicine and Rehabilitation, U.S. DO seniors who matched to their preferred specialty ranked fewer specialties than those who did not match.

**Chart  
6**

**COMLEX-USA Level 1 Scores of U.S. DO Seniors  
by Preferred Specialty and Match Status**



Source: NRMP Data Warehouse

The Comprehensive Osteopathic Medical Licensing Examinations (COMLEX-USA) are required for graduation from a U.S. DO medical school. The COMLEX-USA examination series is designed to assess the osteopathic medical knowledge and clinical skills considered essential for osteopathic generalist physicians to practice osteopathic medicine. COMLEX-USA is constructed in the context of clinical problem-solving that involves "Patient Presentations" and "Physician Tasks." COMLEX-USA Level 1 integrates the foundational and basic biomedical sciences of anatomy, behavioral science, biochemistry, genetics, microbiology, immunology, osteopathic principles, pathology, pharmacology, physiology and other areas of medical knowledge as they are relevant to solving clinical problems and promoting and maintaining health in providing osteopathic medical care to patients. Passing COMLEX-USA Level 1 is required for graduation with the Doctor of Osteopathic Medicine (DO) degree in the United States, and COMLEX-USA is used for licensure for DOs in all 50 states.

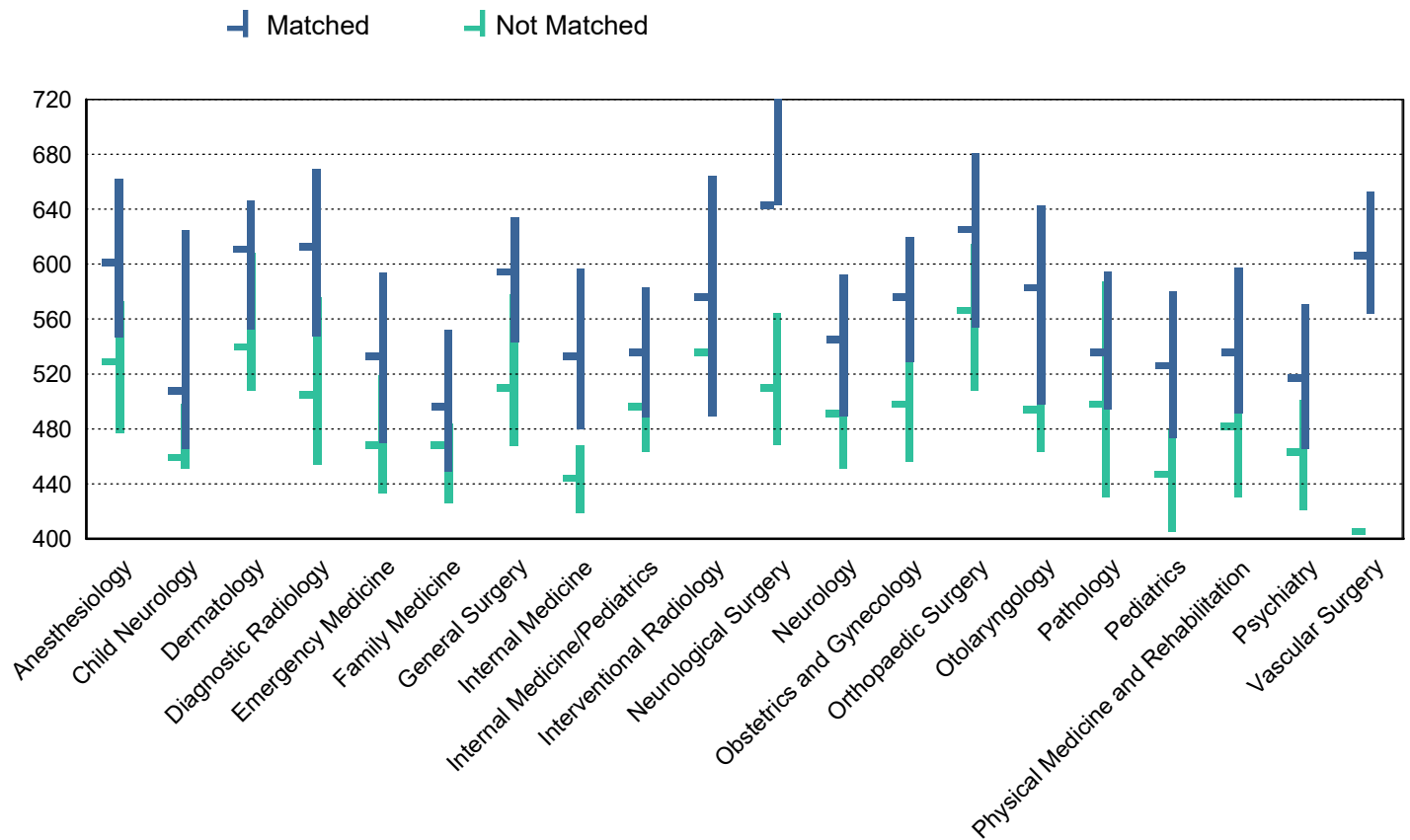
COMLEX Level 1 exams taken prior to May 10, 2022 produced a numeric score. From this date forward, Level 1 exam results transitioned to pass/fail, resulting in numeric score information not being available to applicants nor programs. Overall, U.S. DO seniors who matched to their preferred specialty in this limited dataset had *mean* COMLEX-USA Level 1 scores of 513.2 (s.d. = 89.9) in this limited dataset. COMLEX-USA Level 1 scores were available for 5.3 percent of U.S. DO seniors.

Chart 6 displays the COMLEX-USA Level 1 scores for U.S. DO 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). Unusually wide and unusually narrow IQRs often indicate small sample sizes. Unmatched U.S. DO seniors in Child Neurology, Pathology, and Pediatrics are examples of specialties with particularly small sample sizes.

For most specialties the IQRs of U.S. DO seniors who matched to their preferred specialties were higher than that of those who did not match.

**Chart  
7**

**COMLEX-USA Level 2-CE Scores of U.S. DO Seniors  
by Preferred Specialty and Match Status**



Source: NRMP Data Warehouse

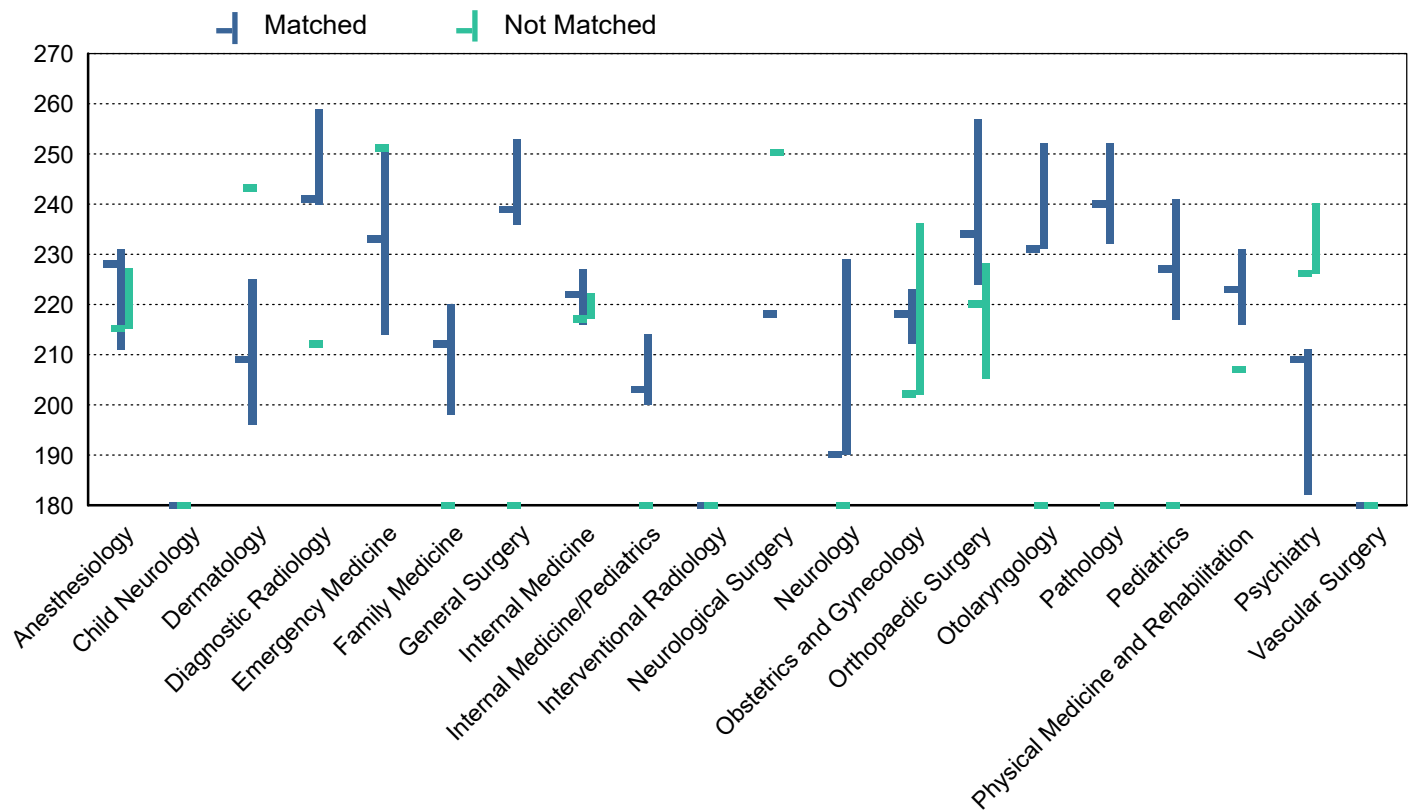
The COMLEX-USA Level 2-Cognitive Evaluation (CE) integrates the clinical disciplines of Emergency Medicine, Family Medicine, Internal Medicine, Obstetrics/Gynecology, Osteopathic Principles and Neuromusculoskeletal Medicine, Pediatrics, Psychiatry, Surgery, and other areas relevant to solving clinical problems and promoting and maintaining health in providing osteopathic medical care to patients. Passing COMLEX-USA Level 2-CE is required for graduation with the DO degree in the United States, and COMLEX-USA is used for licensure for DOs in all 50 states. Overall, U.S. DO seniors who matched to their preferred specialty had *mean* COMLEX-USA Level 2-CE scores of 543.9 (s.d. = 85.6), well above the 2024 minimum passing score of 400. COMLEX-USA Level 2-CE scores were available for 97.8 percent of U.S. DO seniors who consented to provide this information.

Chart 7 shows the COMLEX Level 2-CE scores for U.S. DO seniors by preferred specialty and match status. The horizontal bars are the *median* values, and the vertical lines show the interquartile ranges (IQRs). Unusually wide and unusually narrow IQRs often indicate small sample sizes.

Across all specialties, the IQRs of U.S. DO seniors who matched to their preferred specialties were higher than those who did not match. Matched U.S. DO seniors had higher median scores than their unmatched counterparts across all specialties.

**Chart  
8**

**USMLE Step 1 Scores of U.S. DO 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 addition, it is important to note that not all U.S. DO seniors take the USMLE Step 1 exam. In 2024, 123 (1.9%) of U.S. DO seniors self-reported Step 1 scores from exams taken prior to the transition. The results presented in Chart 8 and below should be interpreted with this in mind.

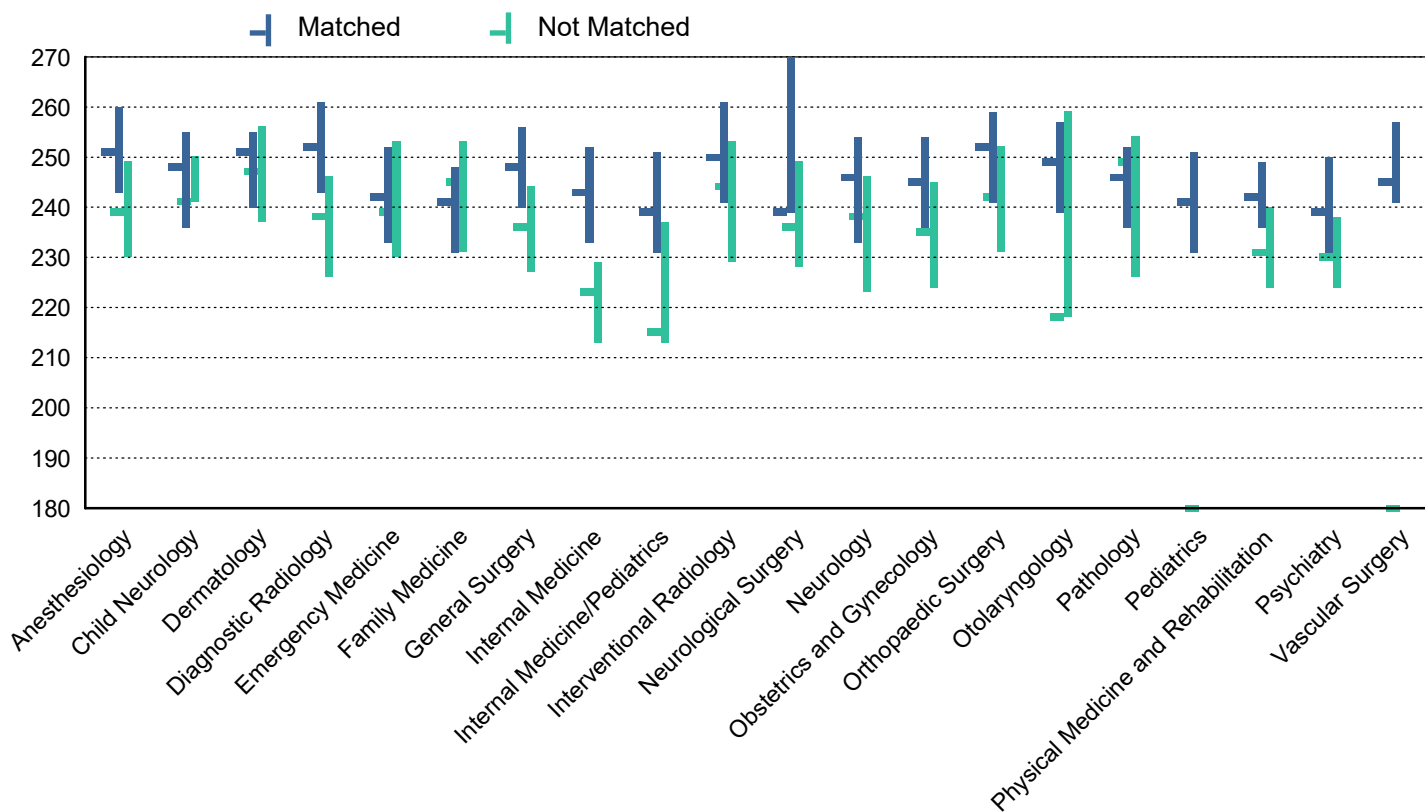
Overall, U.S. DO seniors who matched to their preferred specialty in this limited dataset had mean USMLE Step 1 scores of 224.6 (s.d. = 18.7) well above the 2024 minimum passing score of 196.

Chart 8 displays the Step 1 scores for U.S. DO seniors by specialty and match status. The horizontal bars are the *median* values for successful applicants and the vertical lines show the interquartile ranges (IQRs). Unusually wide and unusually narrow IQRs often indicate small sample sizes.



**Chart  
9**

**USMLE Step 2 CK Scores of U.S. DO Seniors  
by Preferred Specialty and Match Status**



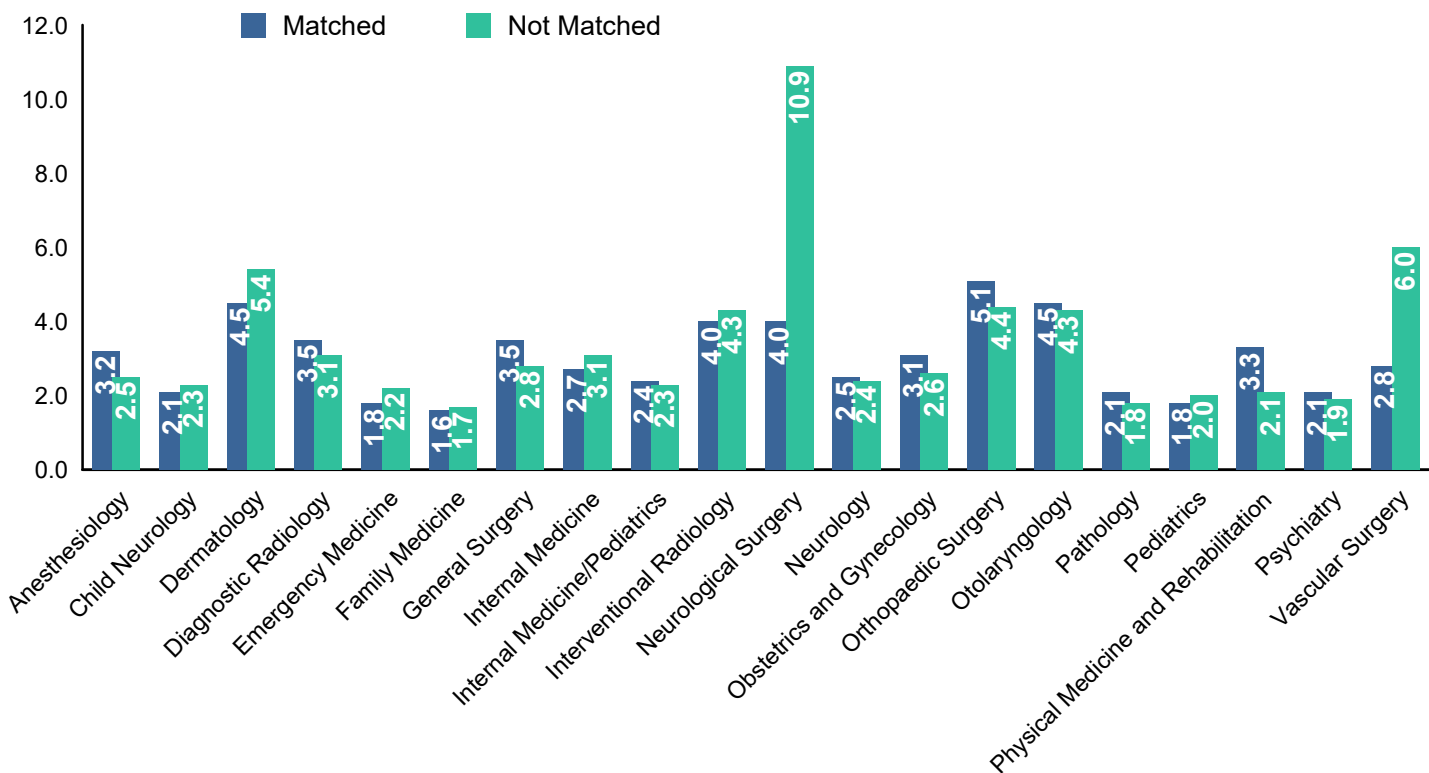
Source: NRMP Data Warehouse

USMLE Step 2 scores are a measure of an applicant's ability to apply the medical knowledge, skills, and understanding of clinical science essential for providing patient care. Step 2 scores were available for only 61.2 percent of U.S. DO seniors who gave consent to provide their academic information. Overall, U.S. DO seniors who matched to their preferred specialty had *mean* USMLE Step 2 CK scores of 243.9 (s.d. = 13.4) well above the 2024 minimum passing score of 214.

Chart 9 shows the Step 2 CK scores for U.S. DO seniors by preferred specialty and match status. The horizontal bars are the *median* values for successful applicants and the vertical lines show the interquartile ranges (IQRs). Unusually wide and unusually narrow IQRs often indicate small sample sizes. As with the Step 1 scores, the more competitive specialties have higher average Step 2 scores, but the overall variation is smaller. For most specialties, the IQR of U.S. DO seniors who matched to their preferred specialties was higher than those who did not match.

**Chart  
10**

**Mean Number of Research Experiences of U.S. DO Seniors  
by Preferred Specialty and Match Status**

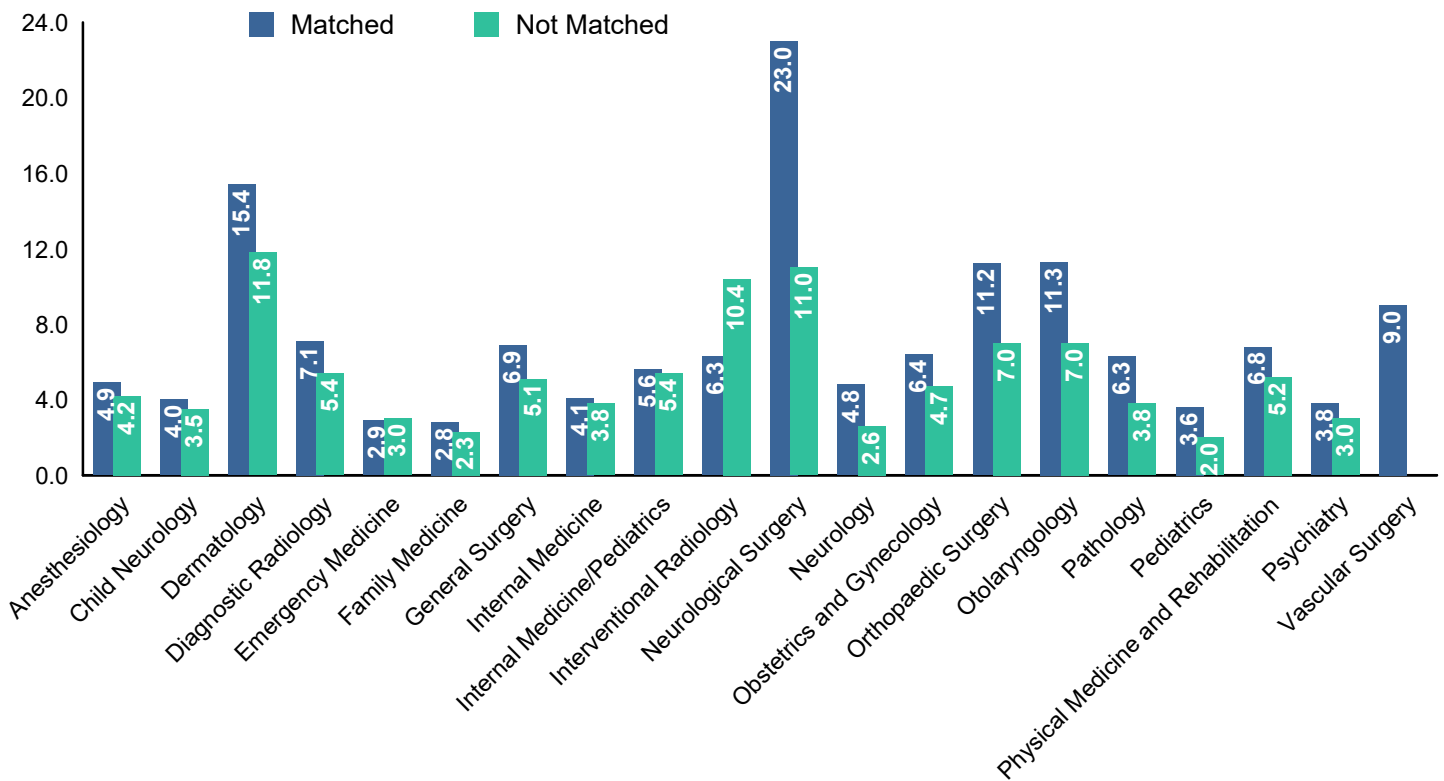


Source: NRMP Data Warehouse

Applicants were asked to report the number of research experiences they entered in their applications. The experiences are not verified or evaluated and quality may vary greatly. Chart 10 shows the average number of research experiences by preferred specialty and Match outcome. U.S. DO seniors averaged 2.5 research experiences, with 73.7 percent reporting at least one research experience. The average numbers of research experiences were slightly higher for matched U.S. DO seniors among competitive specialties such as Orthopaedic Surgery and Otolaryngology compared to less competitive specialties.

**Chart  
11**

**Mean Number of Abstracts, Presentations, and Publications of U.S. DO Seniors  
by Preferred Specialty and Match Status**



Source: NRMP Data Warehouse

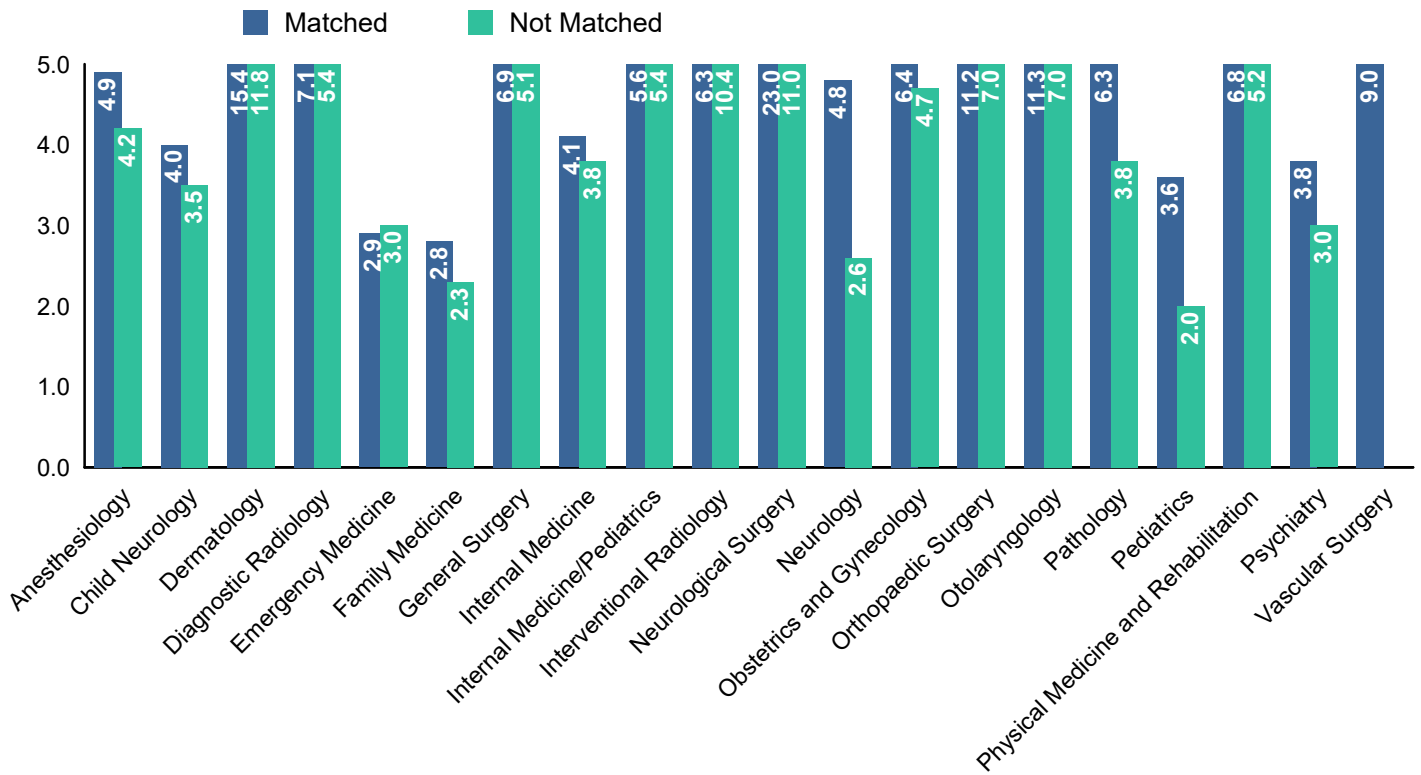
Applicants were asked to list the number of abstracts, presentations, and publications they reported in their application. This information is self-reported and may include peer-reviewed articles, abstracts, poster sessions, and invited national or regional presentations. Some residency programs may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

Many applicants report abstracts, presentations, or publications, sometimes dozens or even hundreds. In the individual specialty sections, we distinguish between no publications, 1 to 5 publications, and more than 5 publications. Chart 11 shows the mean number of publications by preferred specialty and Match outcome.

More than three quarters of U.S. DO seniors (70.3%) reported at least one publication, with an average of 4.4 publications per applicant. Matched U.S. DO seniors reported more publications in most specialties. Anesthesiology, Child Neurology, Dermatology, Diagnostic Radiology, General Surgery, Internal Medicine/Pediatrics, Neurological Surgery and Vascular Surgery are notable examples. There are large gaps between the reported numbers of publications by matched and unmatched U.S. DO seniors for Neurological Surgery and Vascular Surgery, but the numbers of U.S. DO seniors who preferred those specialties are small and the means are easily skewed.

**Chart  
12**

**Mean Number of Work Experiences of U.S. DO Seniors  
by Preferred Specialty and Match Status**

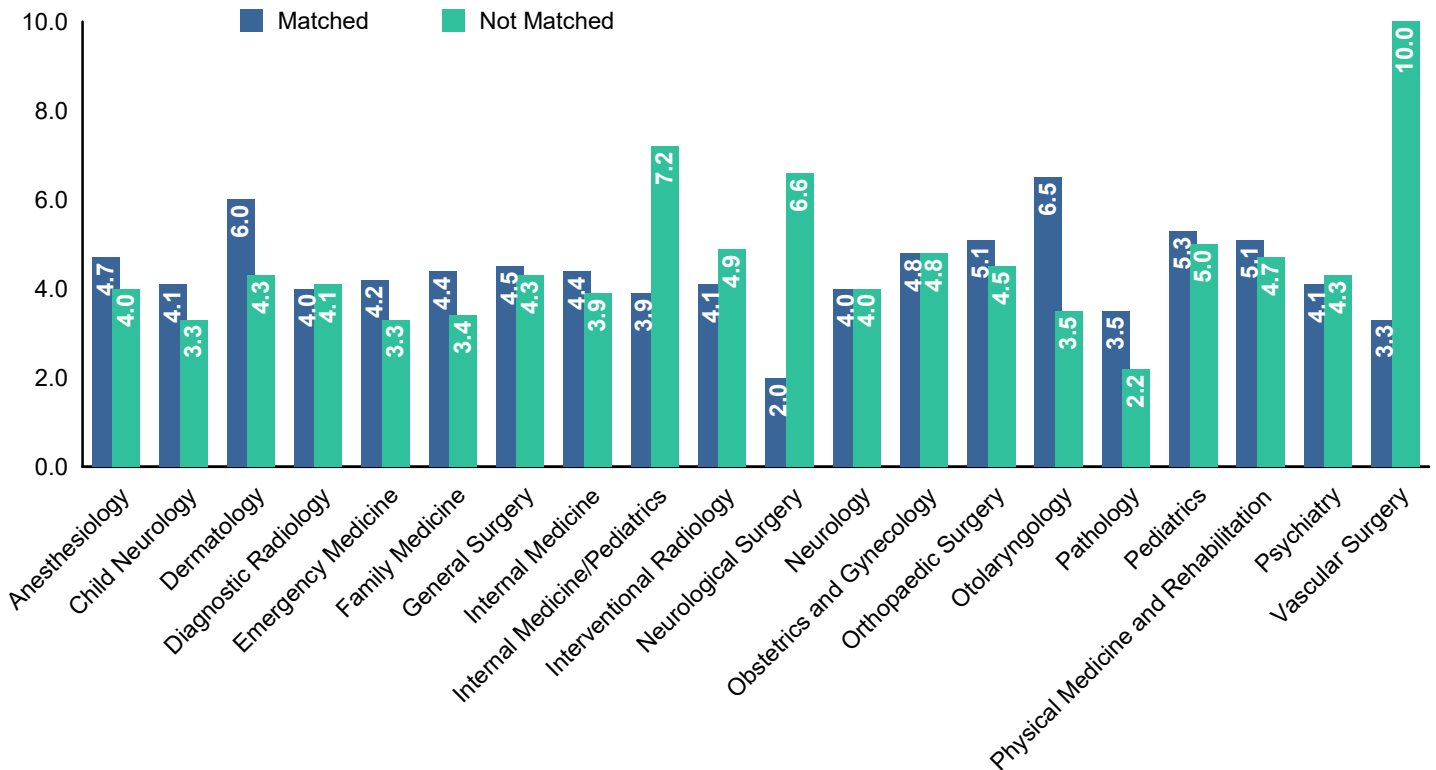


Source: NRMP Data Warehouse

Applicants were asked to list the number of work experiences they reported in their application. Chart 12 shows the mean number of work experiences by preferred specialty and Match outcome. U.S. DO seniors averaged 2.3 work experiences, with 78.6 percent reporting at least one work experience. There is no discernable pattern between matched and unmatched U.S. DO seniors across specialties.

**Chart  
13**

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

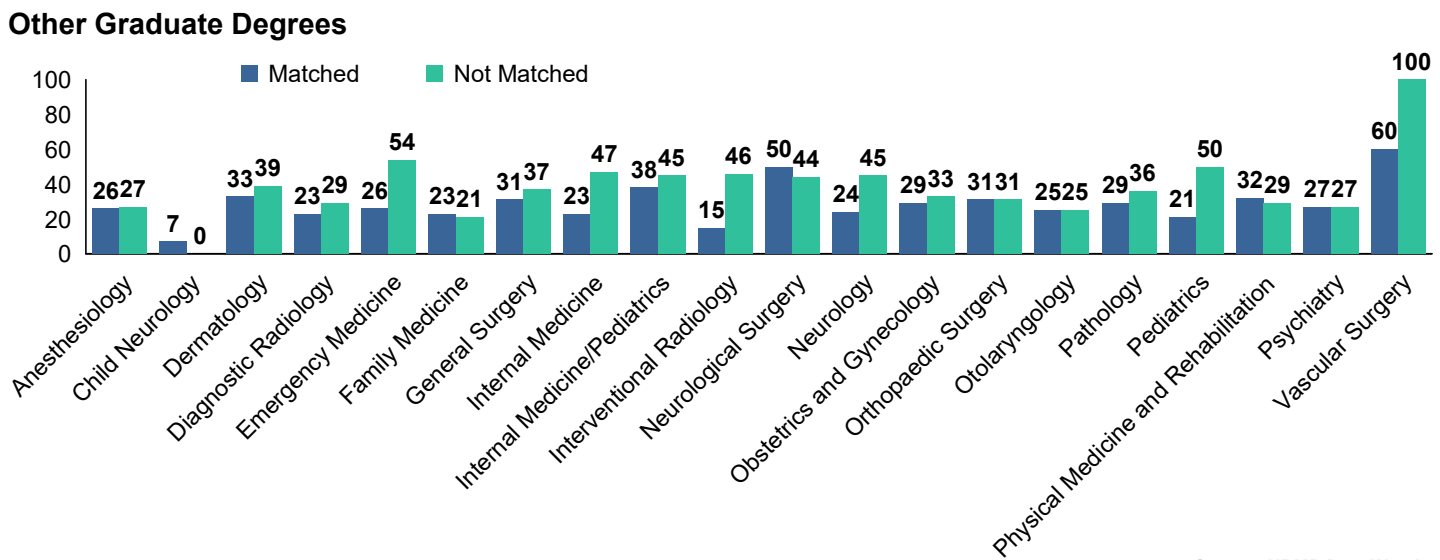
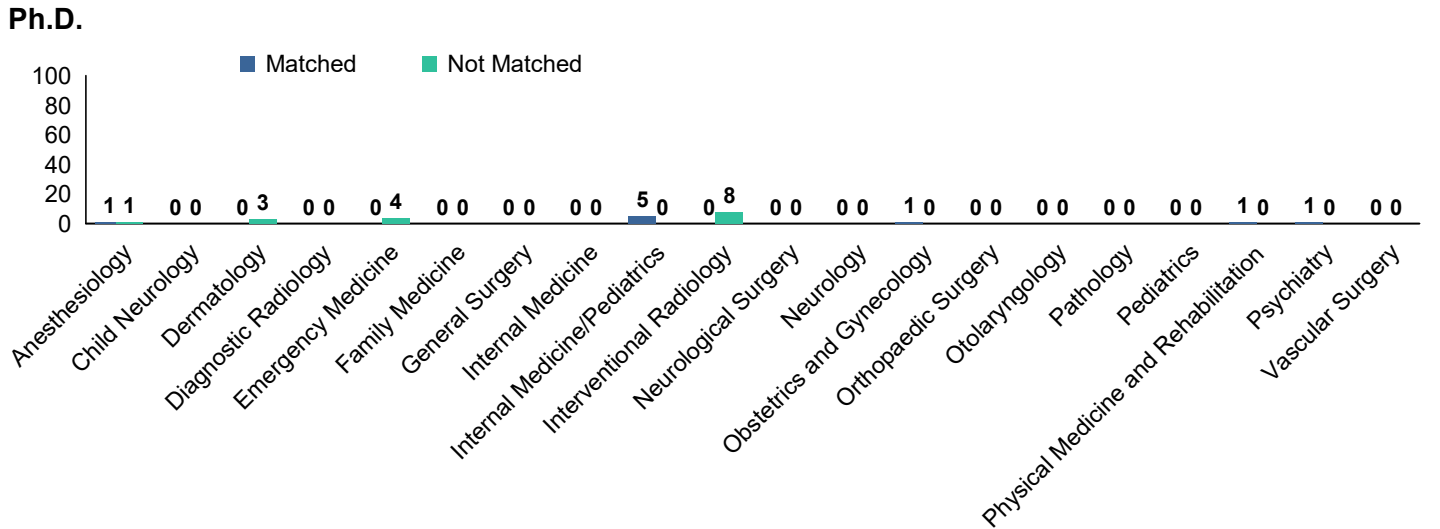


Source: NRMP Data Warehouse

Applicants were asked to list the number of volunteer experiences they reported in their application. Chart 13 displays the mean number of volunteer experiences by preferred specialty and Match outcome. In most specialties, matched U.S. DO seniors averaged more volunteer experiences when compared to their unmatched counterparts. The majority (84.5%) of U.S. DO seniors reported at least one volunteer experience, with an average of 4.5 volunteer experiences for all U.S. DO seniors.

**Chart  
14**

**Percentage of U.S. DO 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. DO seniors who have a Ph.D. and/or other graduate degrees. Very few U.S. DO seniors had a Ph.D. degree. With the exception of Anesthesiology, Dermatology, Neurology and Physical Medicine & Rehabilitation, a smaller percentage of U.S. DO seniors who matched to their preferred specialty had another graduate degree compared to their unmatched counterparts. No unmatched U.S. DO seniors in Child Neurology, Internal Medicine/Pediatrics, Otolaryngology, or Pathology, and no matched U.S. DO seniors in Vascular Surgery reported any data for analysis.

**AN**

# Anesthesiology

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

| Measure                                                      | Matched<br>(n=252) | Unmatched<br>(n=172) |
|--------------------------------------------------------------|--------------------|----------------------|
| 1. Mean number of contiguous ranks                           | 11.0               | 5.4                  |
| 2. Mean number of distinct specialties ranked                | 1.8                | 2.1                  |
| 3. Mean COMLEX-USA Level 1 score*                            | 560                | 493                  |
| 4. Mean COMLEX-USA Level 2-CE score                          | 606                | 532                  |
| 5. Mean USMLE Step 1 score*                                  | 223                | 221                  |
| 6. Mean USMLE Step 2 CK score                                | 251                | 239                  |
| 7. Mean number of research experiences                       | 3.2                | 2.5                  |
| 8. Mean number of abstracts, presentations, and publications | 4.9                | 4.2                  |
| 9. Mean number of work experiences                           | 2.5                | 2.5                  |
| 10. Mean number of volunteer experiences                     | 4.7                | 4.0                  |
| 11. Percentage who have a Ph.D. degree                       | 0.8                | 0.6                  |
| 12. Percentage who have another graduate degree              | 25.8               | 26.7                 |

Source: NRMP Data Warehouse.

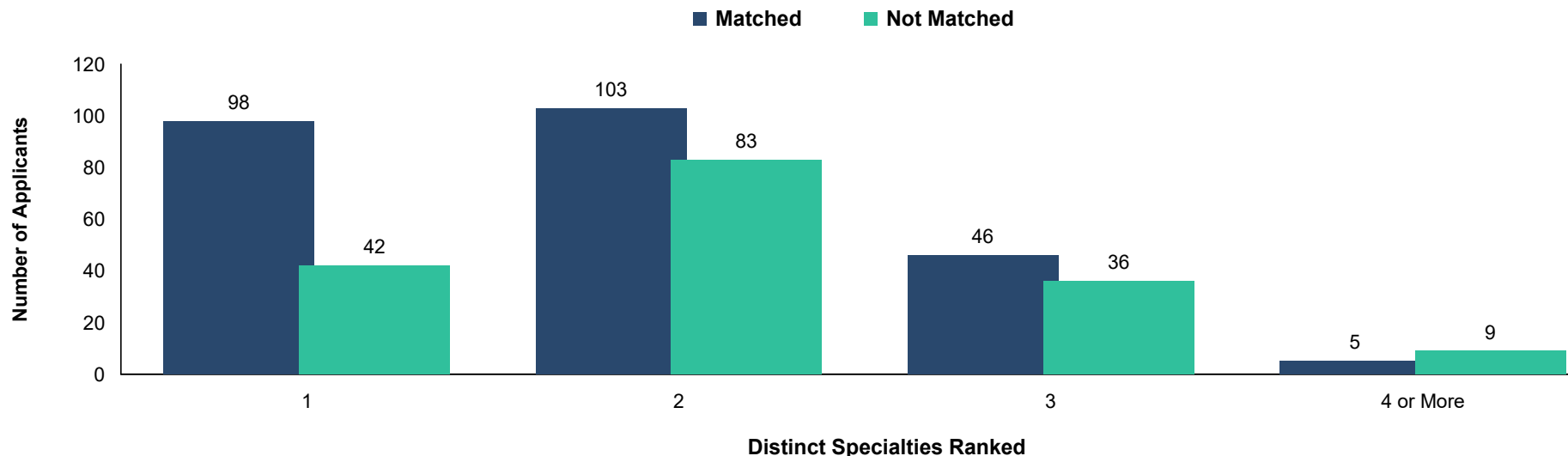
Note: Only U.S. DO seniors who gave consent to use their information in research are included.

\*Only applicants who indicated completion of the COMLEX Level 1 or USMLE Step 1 exams prior to the transition to pass/fail (i.e., prior to May 10, 2022 for Level 1, January 26, 2022 for Step 1) had the option to self-report their numeric scores. In 2024, only 340 U.S. DO seniors self-reported Level 1 numeric scores, while only 123 reported Step 1 numeric scores.



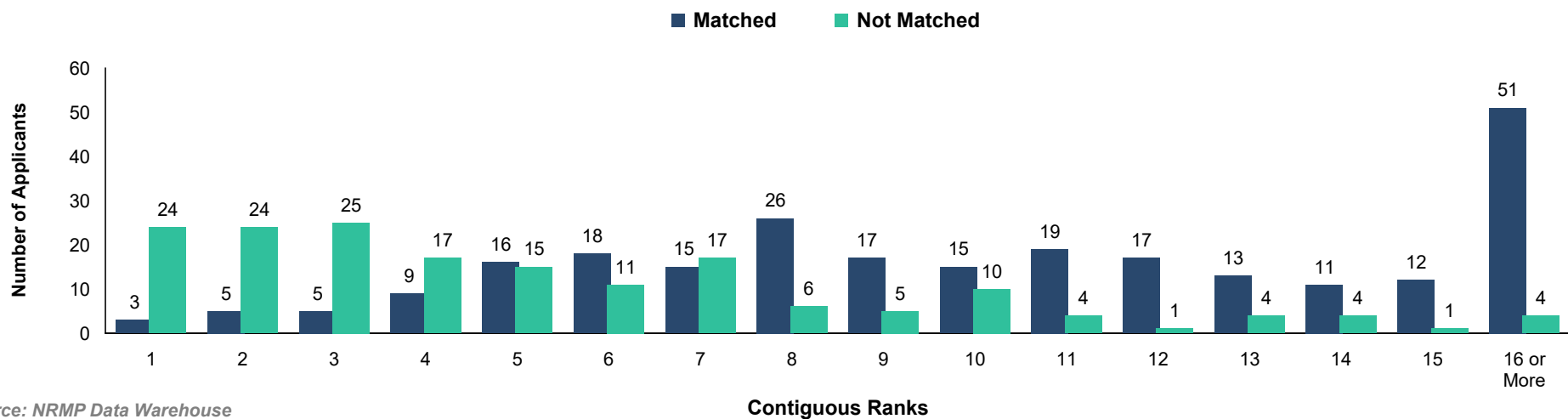
**Chart AN-1**

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



**Chart AN-2**

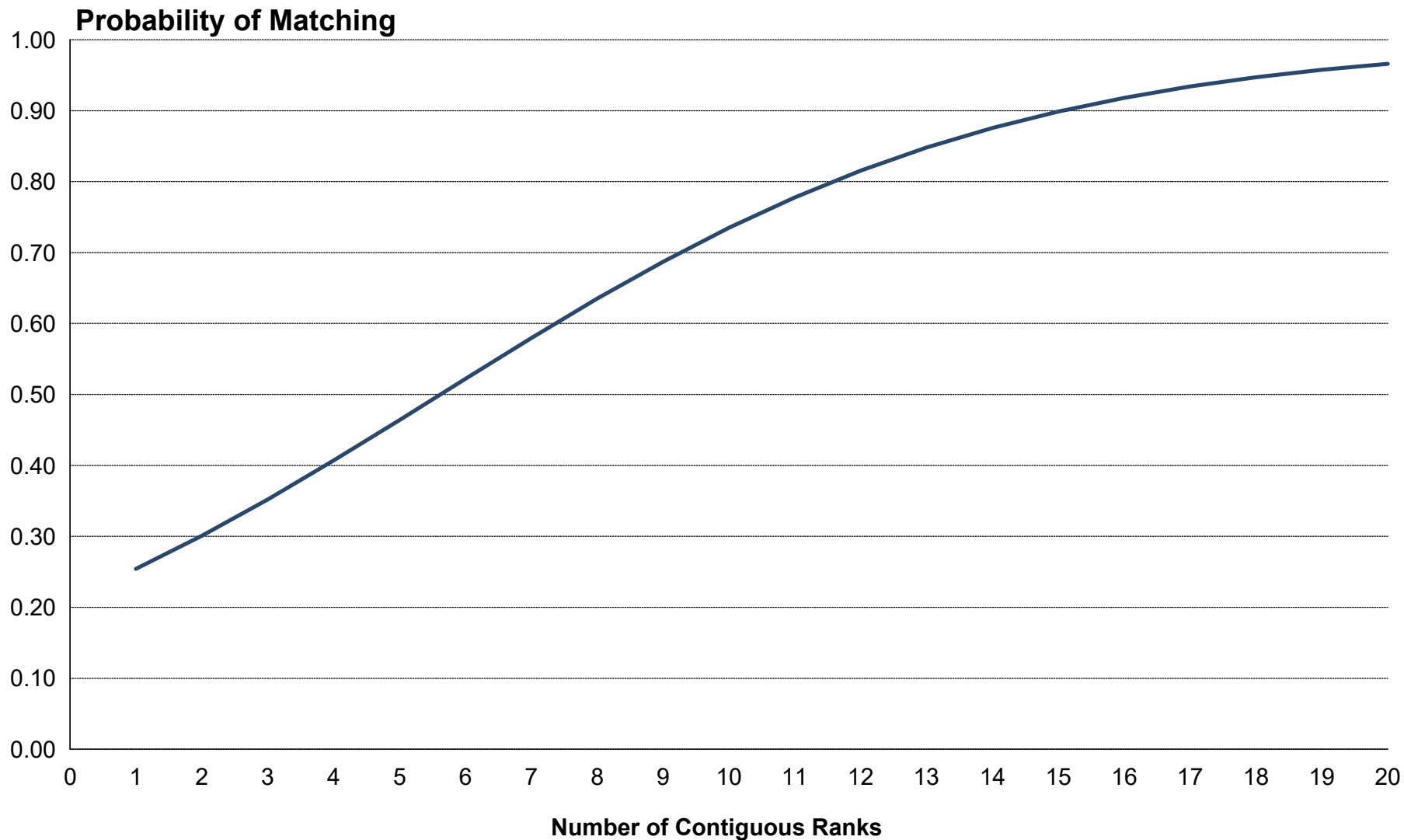
**Number of Contiguous Ranks of U.S. DO Seniors  
Anesthesiology**



Source: NRMP Data Warehouse

**Graph  
AN-1**

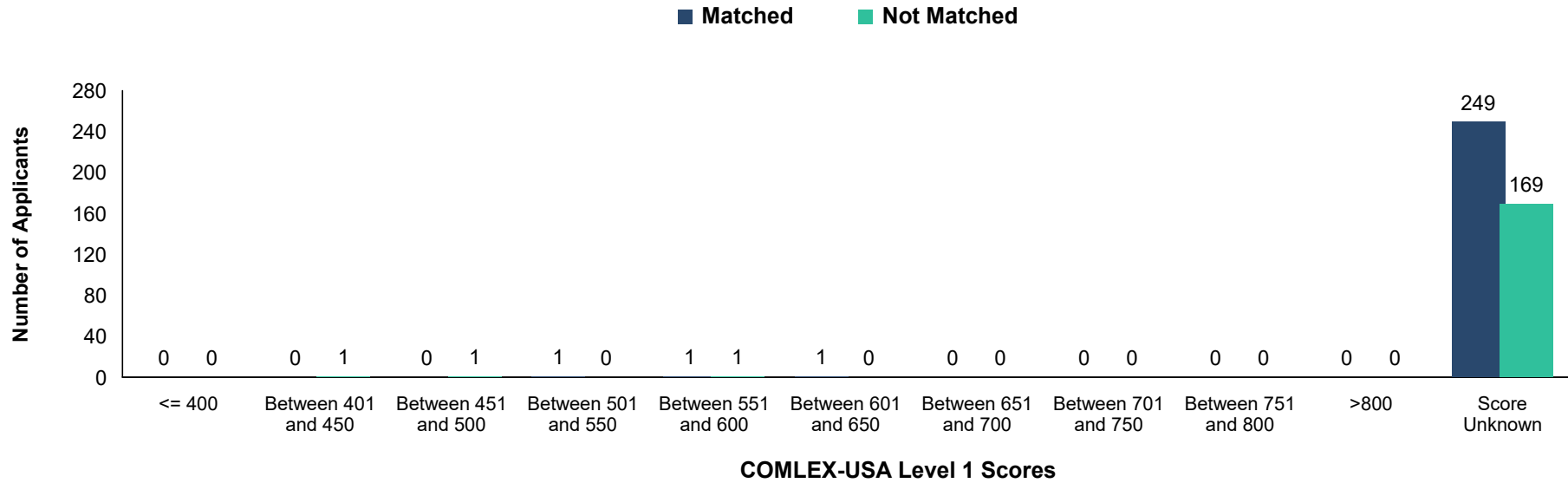
**Probability of U.S. DO Seniors Matching to Preferred Specialty by Number of Contiguous Ranks**  
*Anesthesiology*



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

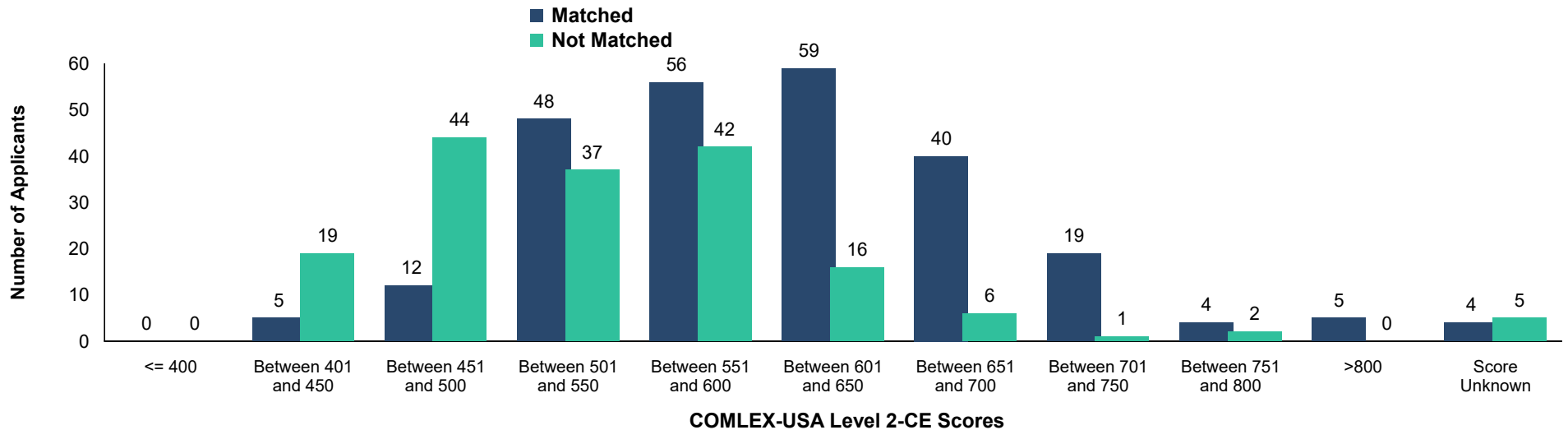
**Chart AN-3**

**COMLEX-USA Level 1 Scores of U.S. DO Seniors  
Anesthesiology**



**Chart AN-4**

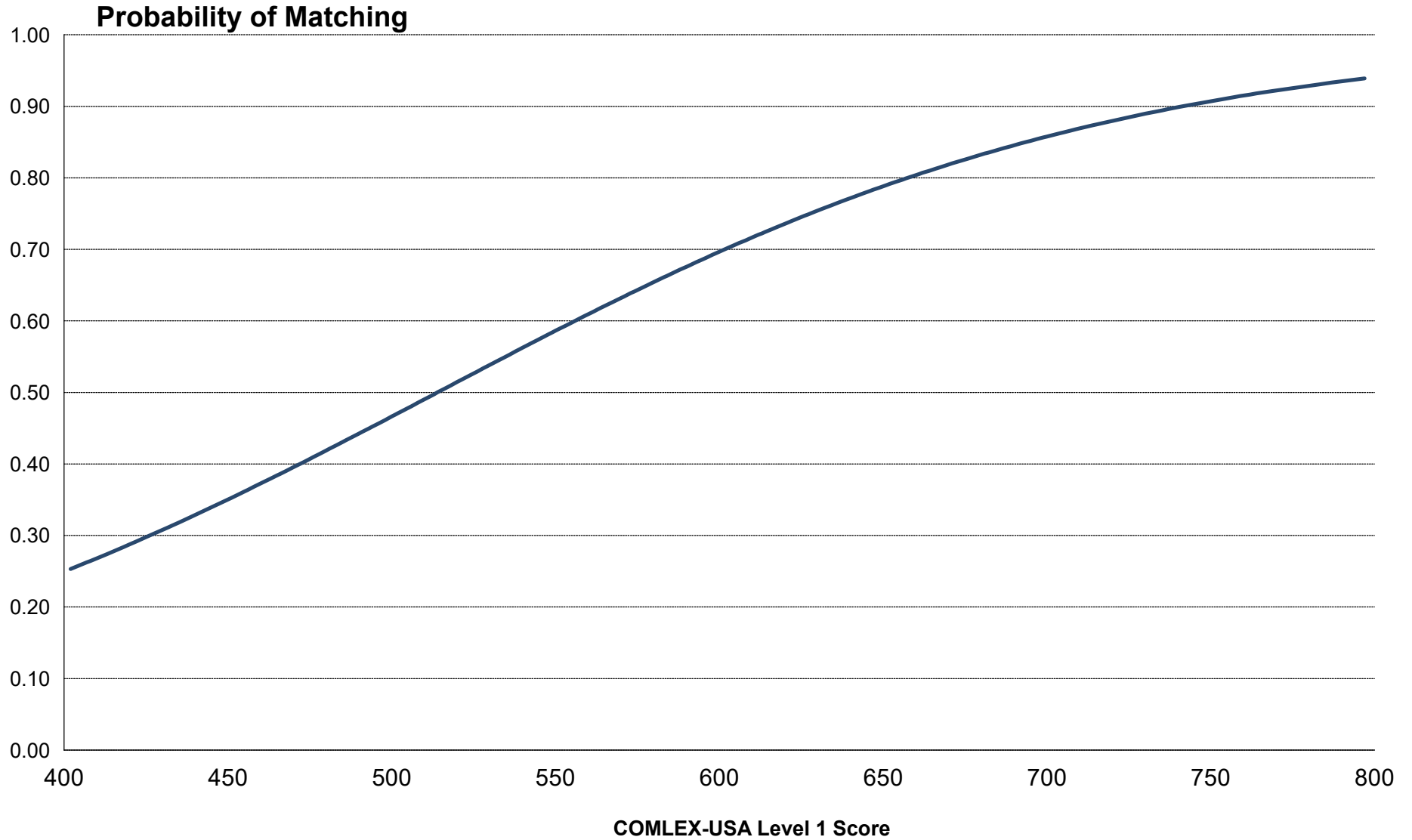
**COMLEX-USA Level 2-CE Scores of U.S. DO Seniors  
Anesthesiology**



Source: NRMP Data Warehouse

**Graph  
AN-2**

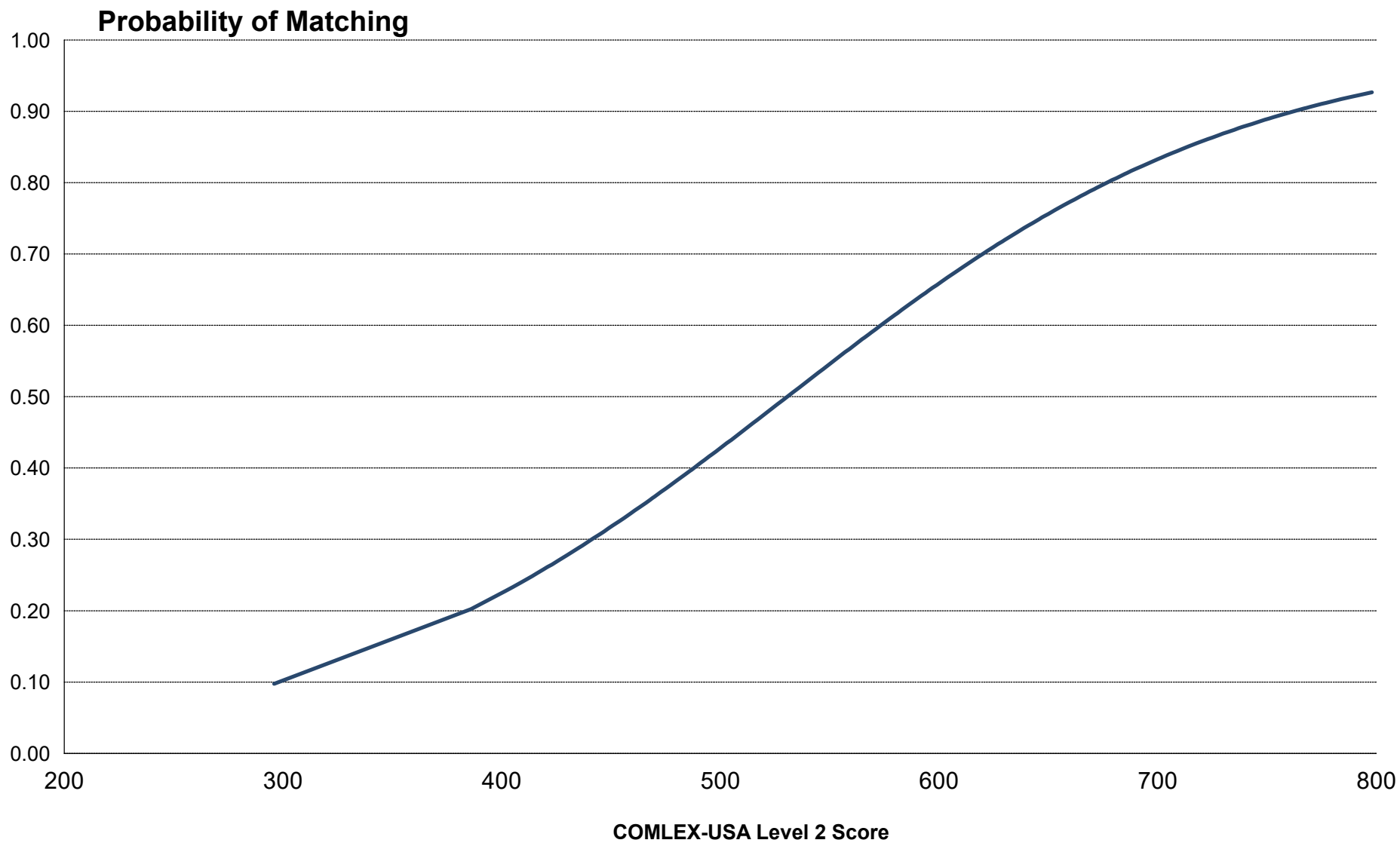
**Probability of U.S. DO Seniors Matching to Preferred Specialty by COMLEX-USA Level 1 Score**  
*Anesthesiology*



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

**Graph  
AN-3**

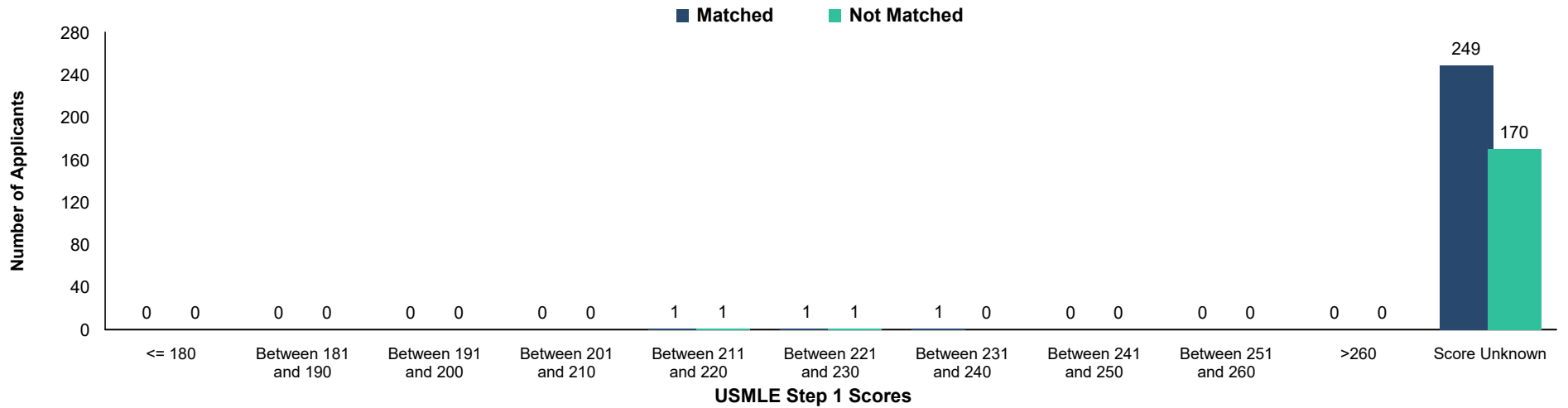
**Probability of U.S. DO Seniors Matching to Preferred Specialty by COMLEX-USA Level 2 Score**  
*Anesthesiology*



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

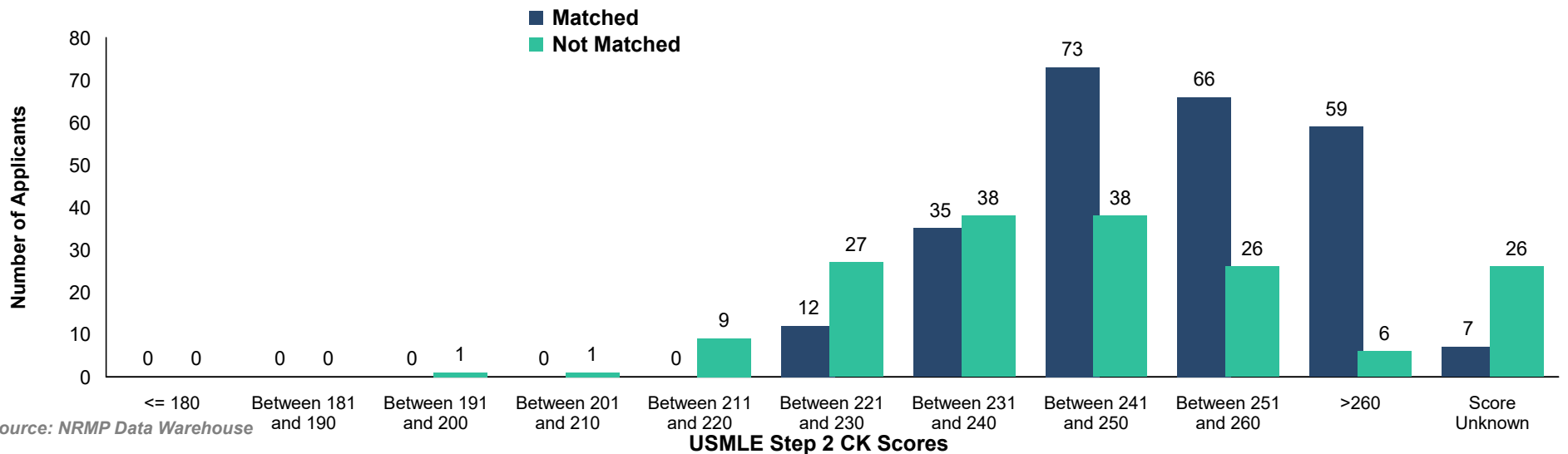
**Chart AN-5**

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



**Chart AN-6**

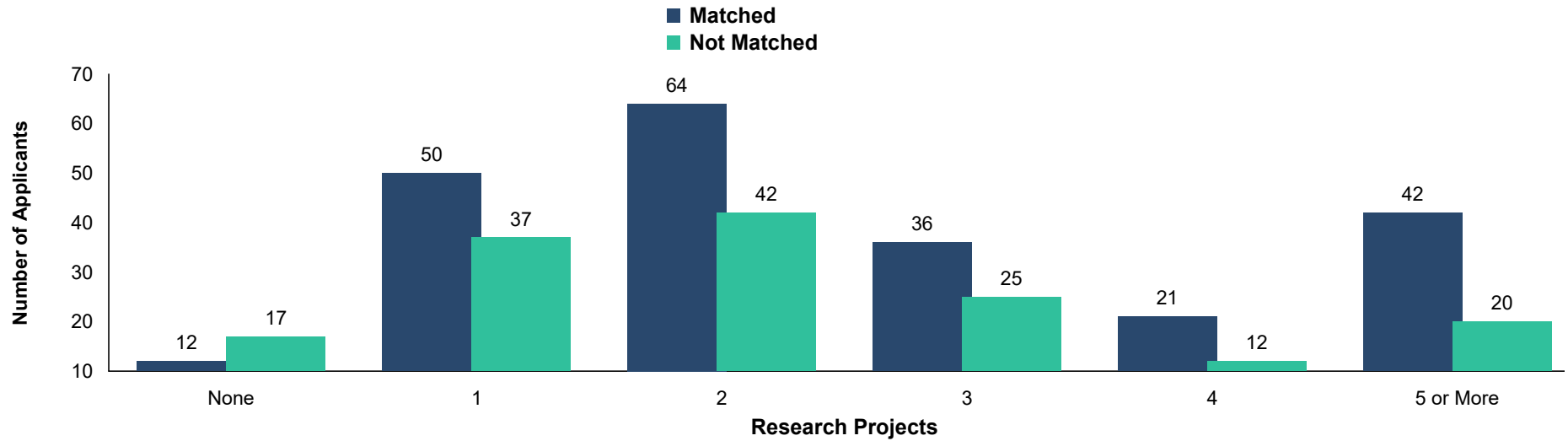
**USMLE Step 2 CK Scores of U.S. DO Seniors  
Anesthesiology**



Source: NRMP Data Warehouse

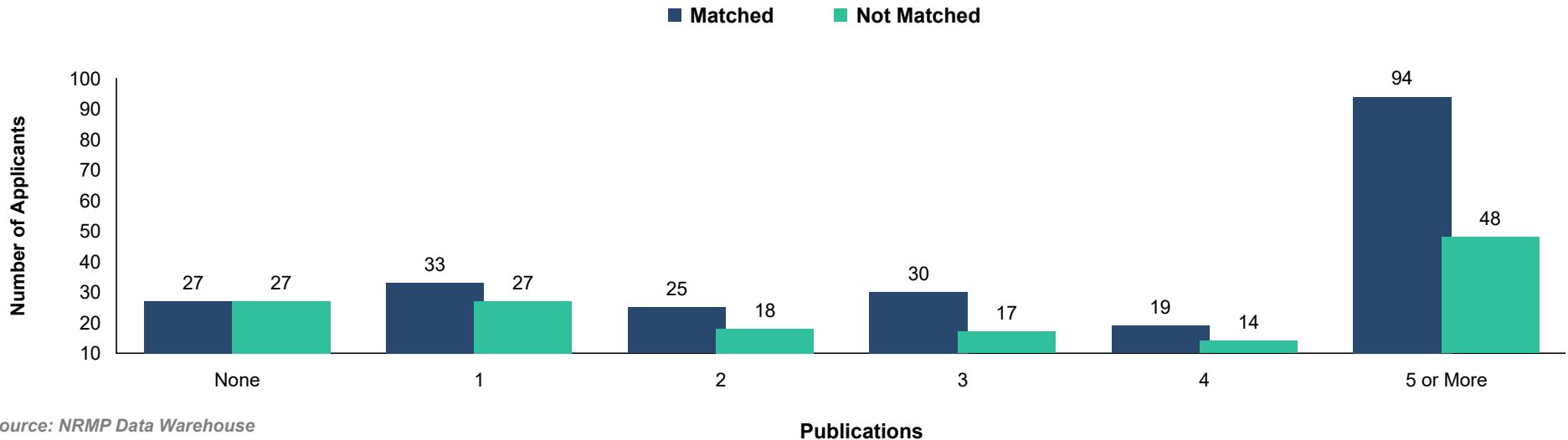
**Chart AN-7**

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



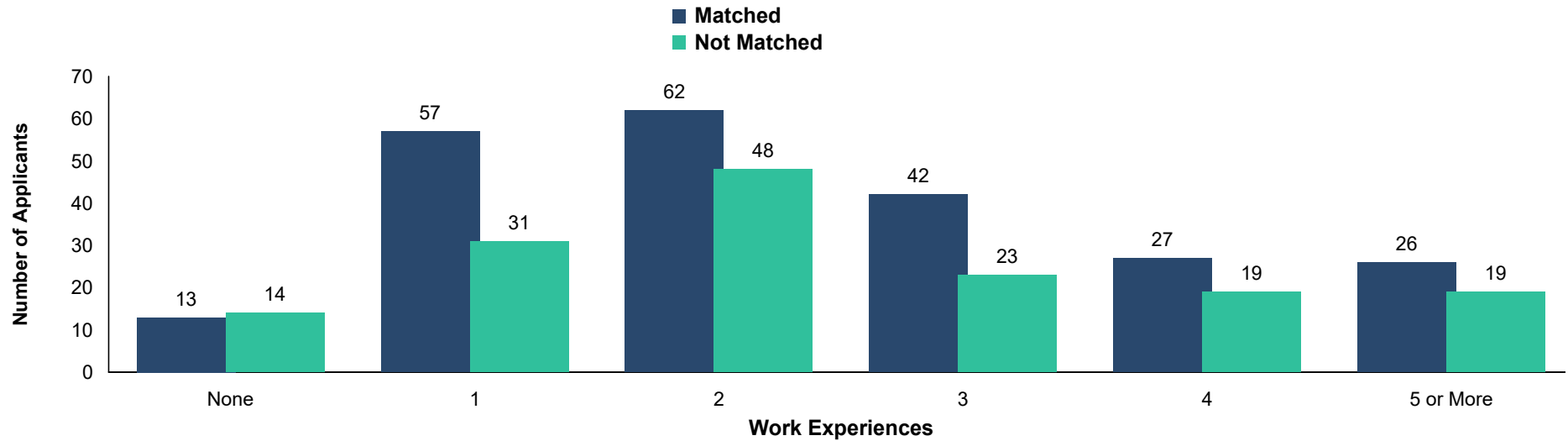
**Chart AN-8**

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

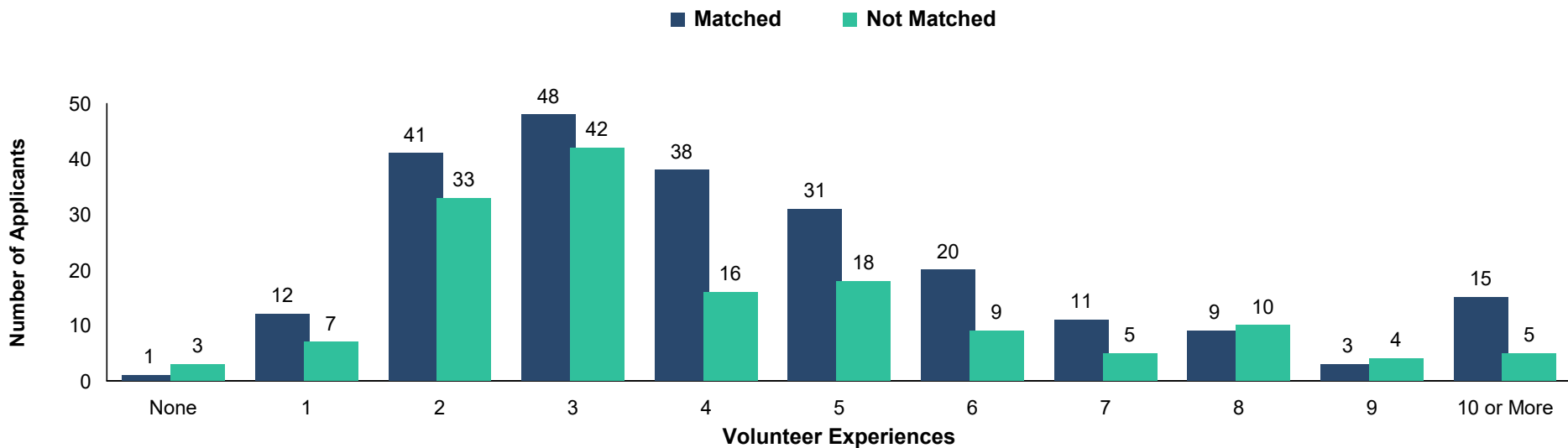


Source: NRMP Data Warehouse

**Chart AN-9** Number of Work Experiences of U.S. DO Seniors  
*Anesthesiology*



**Chart AN-10** Number of Volunteer Experiences of U.S. DO Seniors  
*Anesthesiology*

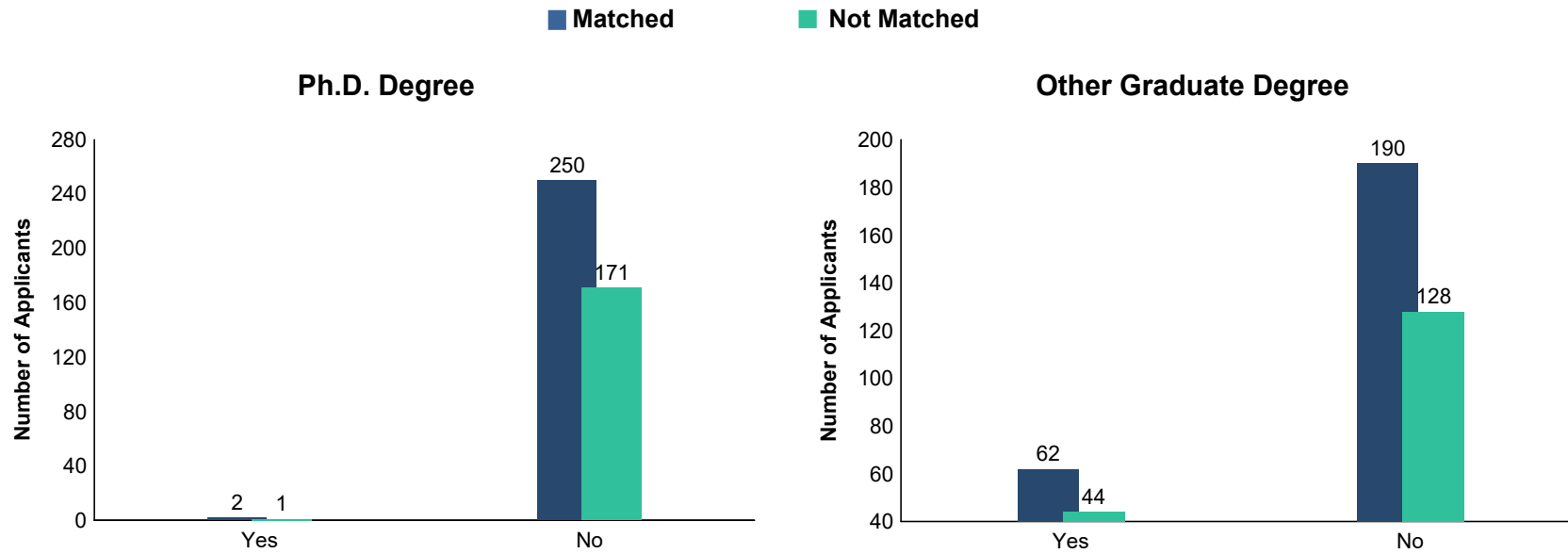


Source: NRMP Data Warehouse



**Chart  
AN-11**

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



Source: NRMP Data Warehouse.

**CN**

**Child Neurology**

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

| Measure                                                      | Matched<br>(n=17) | Unmatched<br>(n=4) |
|--------------------------------------------------------------|-------------------|--------------------|
| 1. Mean number of contiguous ranks                           | 13.9              | 3.8                |
| 2. Mean number of distinct specialties ranked                | 1.2               | 1.8                |
| 3. Mean COMLEX-USA Level 1 score*                            |                   | 425                |
| 4. Mean COMLEX-USA Level 2-CE score                          | 535               | 486                |
| 5. Mean USMLE Step 1 score*                                  |                   |                    |
| 6. Mean USMLE Step 2 CK score                                | 244               | 246                |
| 7. Mean number of research experiences                       | 2.1               | 2.3                |
| 8. Mean number of abstracts, presentations, and publications | 4.0               | 3.5                |
| 9. Mean number of work experiences                           | 2.6               | 2.5                |
| 10. Mean number of volunteer experiences                     | 4.1               | 3.3                |
| 11. Percentage who have a Ph.D. degree                       | 0.0               | 0.0                |
| 12. Percentage who have another graduate degree              | 6.7               | 0.0                |

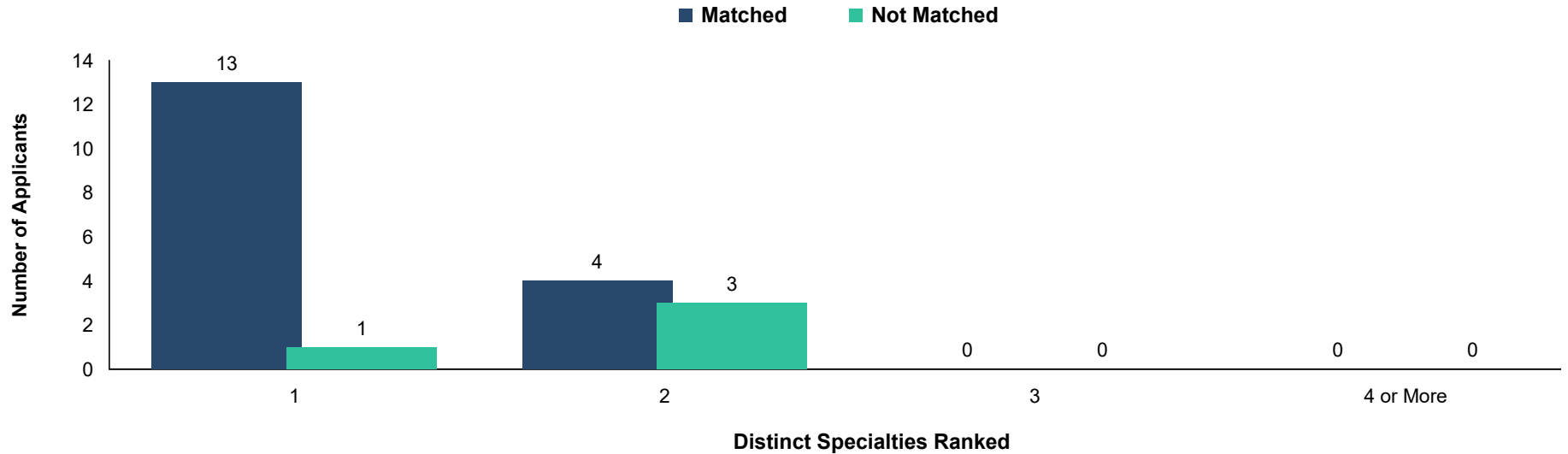
Source: NRMP Data Warehouse.

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

\*Only applicants who indicated completion of the COMLEX Level 1 or USMLE Step 1 exams prior to the transition to pass/fail (i.e., prior to May 10, 2022 for Level 1, January 26, 2022 for Step 1) had the option to self-report their numeric scores. In 2024, only 340 U.S. DO seniors self-reported Level 1 numeric scores, while only 123 reported Step 1 numeric scores.

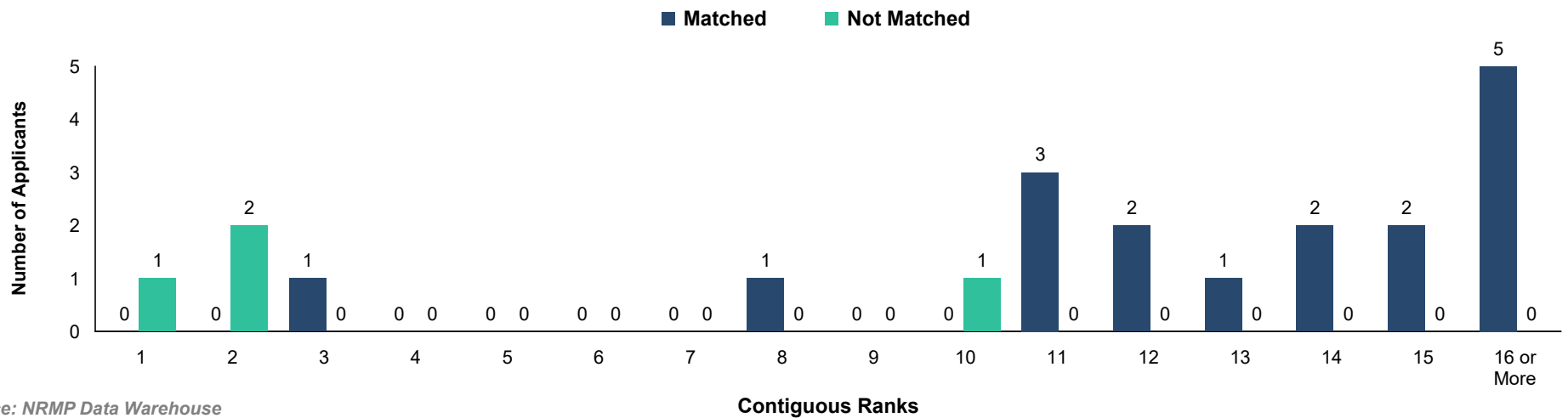
**Chart  
CN-1**

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



**Chart  
CN-2**

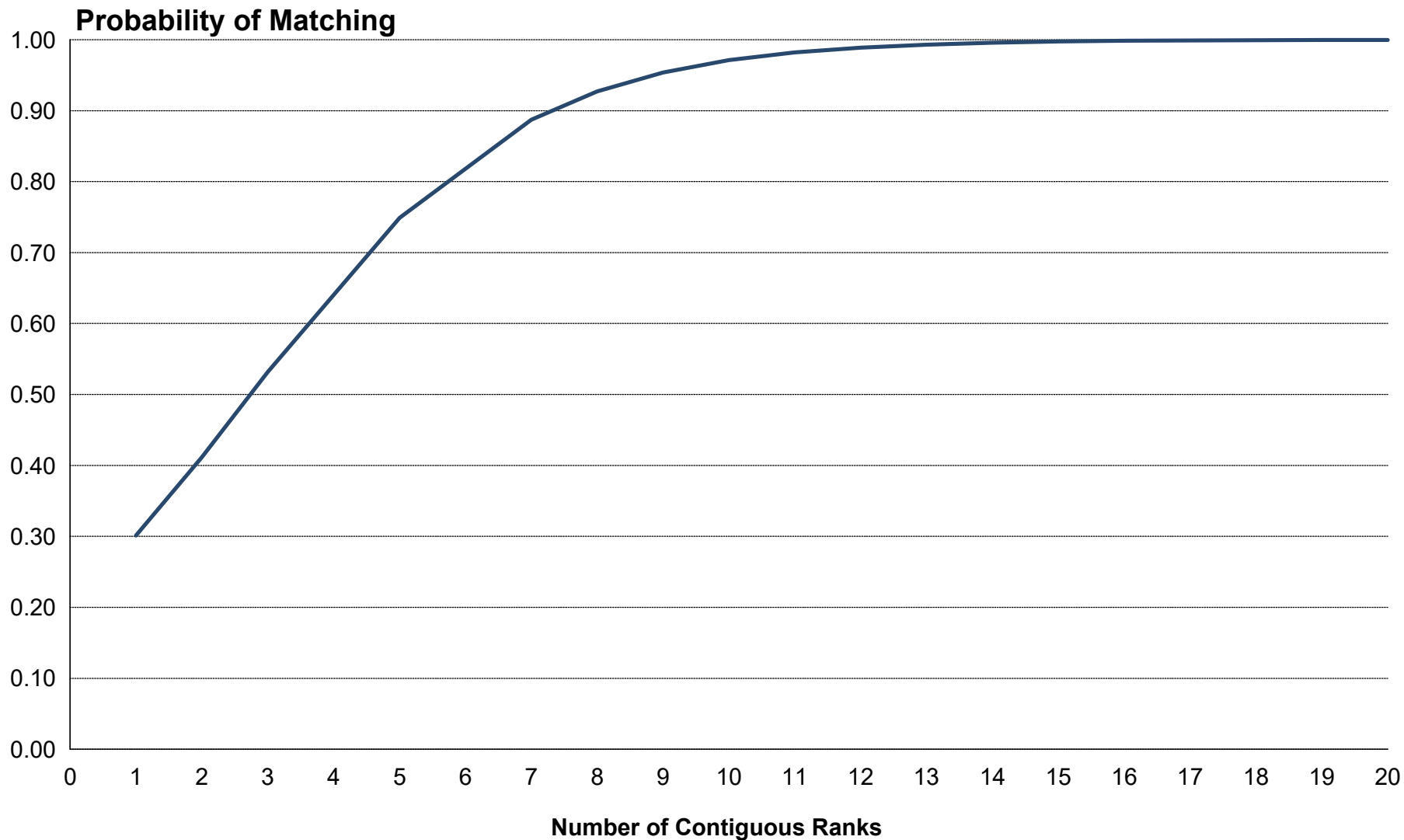
**Number of Contiguous Ranks of U.S. DO Seniors  
Child Neurology**



Source: NRMP Data Warehouse

**Graph  
CN-1**

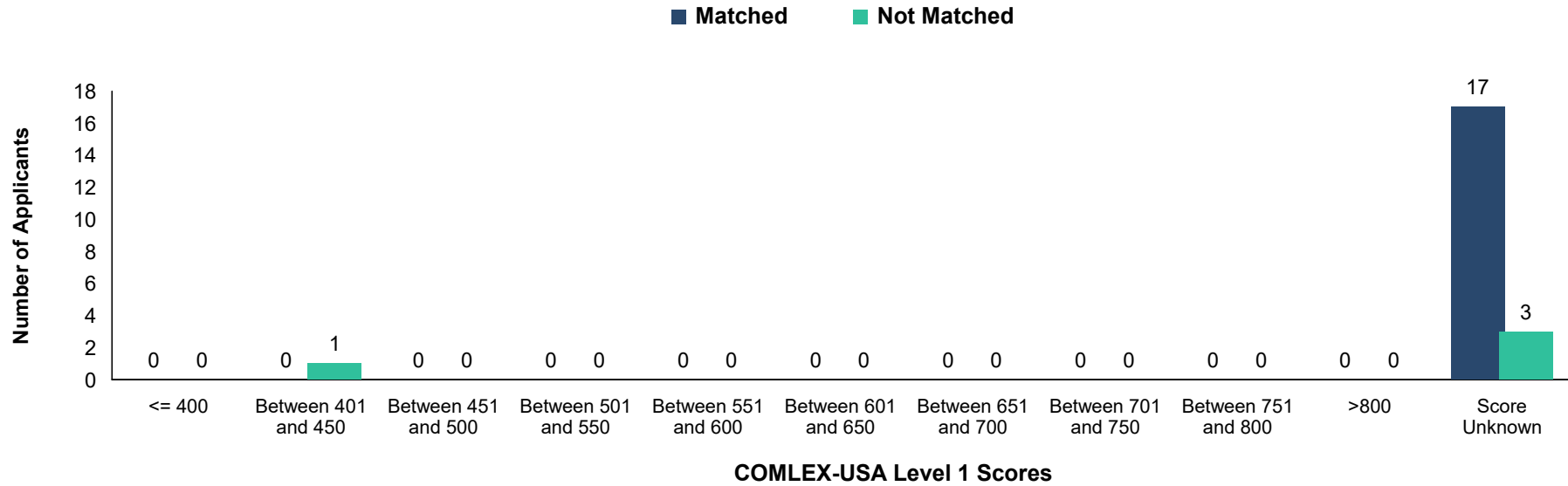
**Probability of U.S. DO Seniors Matching to Preferred Specialty by Number of Contiguous Ranks**  
*Child Neurology*



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

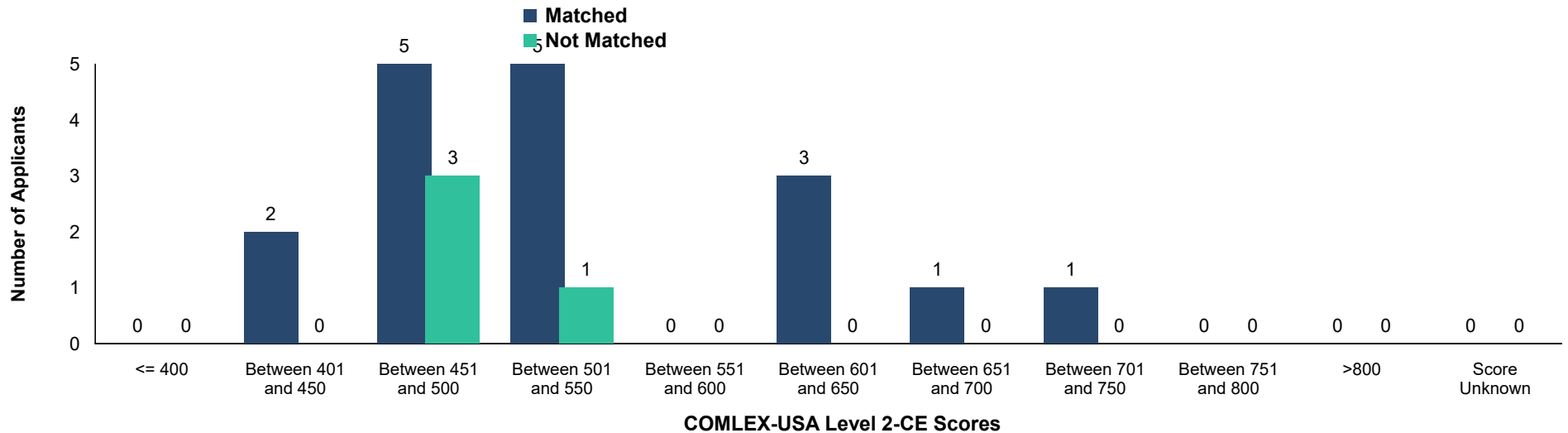
**Chart  
CN-3**

**COMLEX-USA Level 1 Scores of U.S. DO Seniors  
Child Neurology**



**Chart  
CN-4**

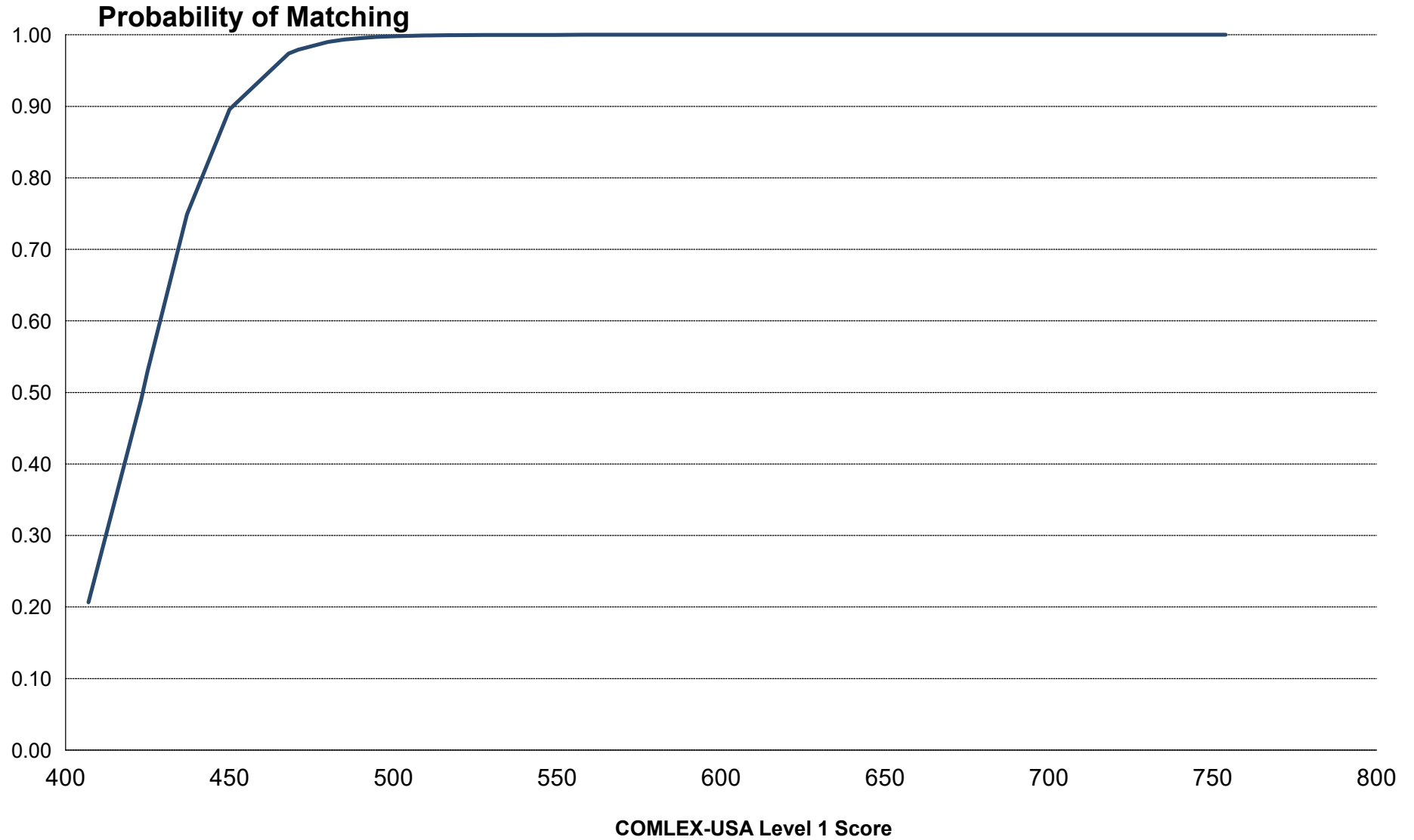
**COMLEX-USA Level 2-CE Scores of U.S. DO Seniors  
Child Neurology**



Source: NRMP Data Warehouse

**Graph  
CN-2**

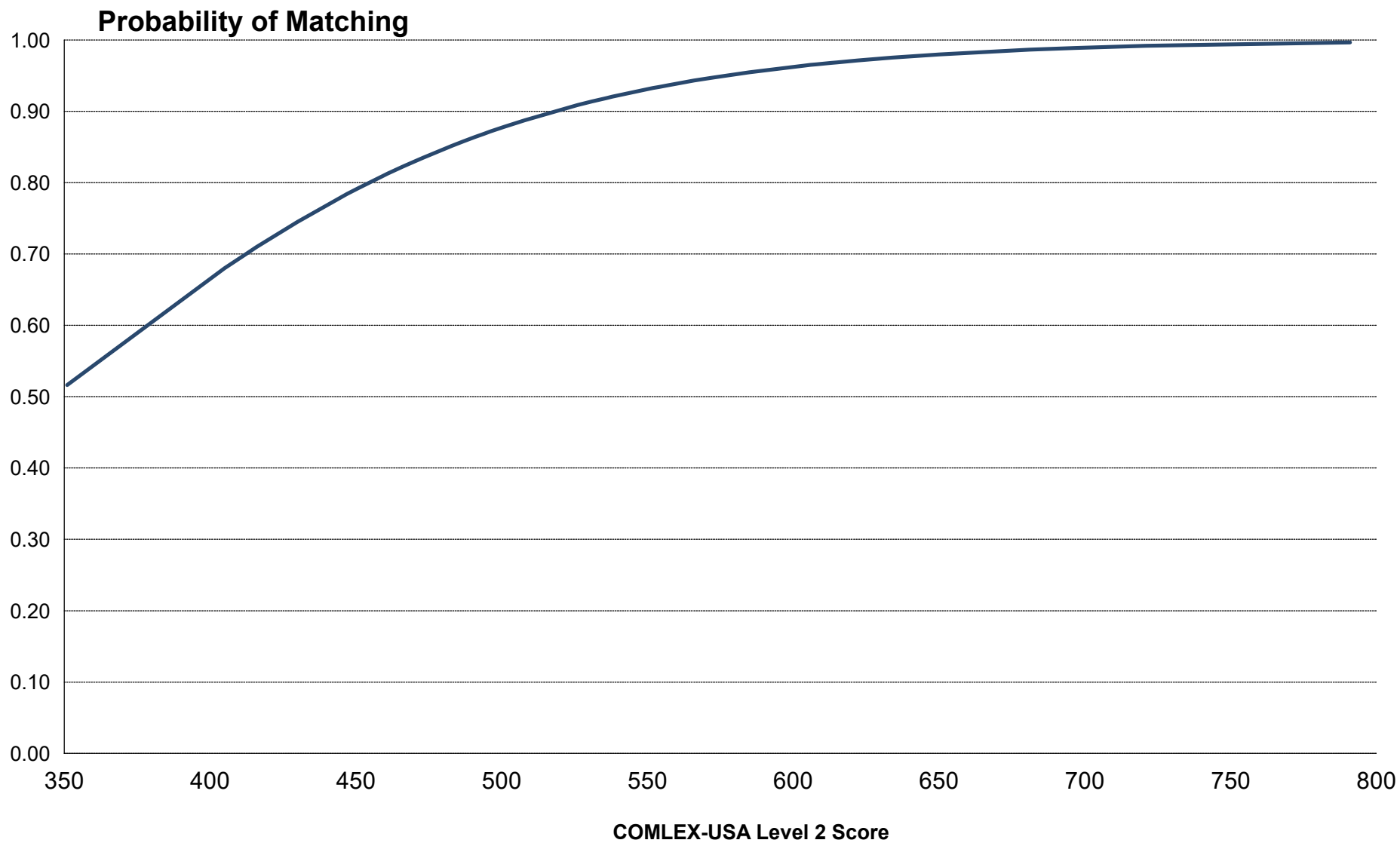
**Probability of U.S. DO Seniors Matching to Preferred Specialty by COMLEX-USA Level 1 Score**  
*Child Neurology*



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

**Graph  
CN-3**

**Probability of U.S. DO Seniors Matching to Preferred Specialty by COMLEX-USA Level 2 Score**  
*Child Neurology*

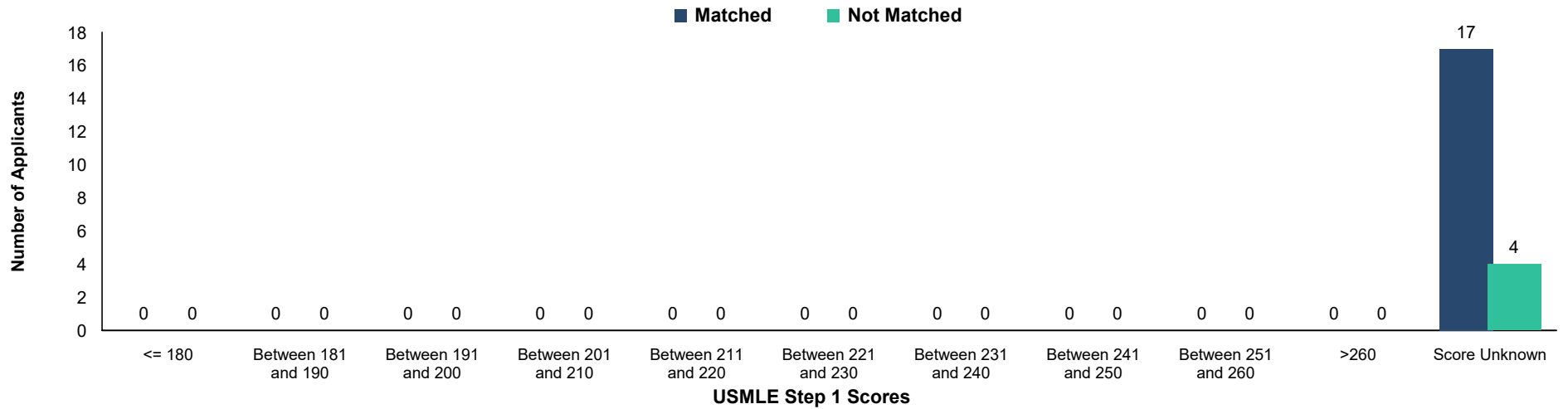


Source: NRMP Data Warehouse. Note: Probabilities calculated based on 2022-2024 applicants.



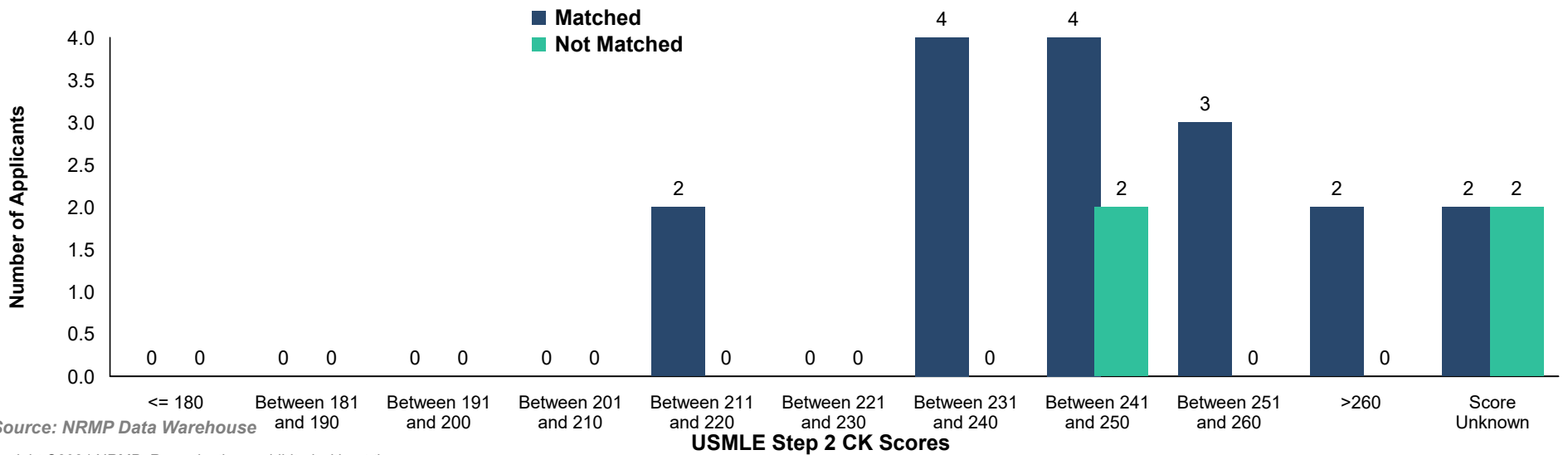
**Chart  
CN-5**

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



**Chart  
CN-6**

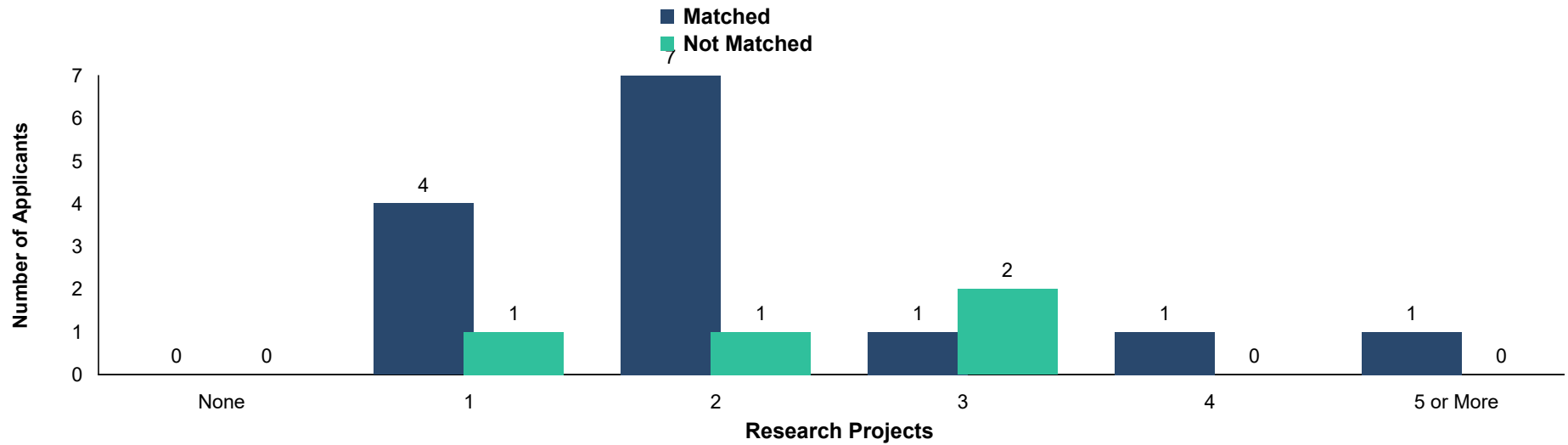
**USMLE Step 2 CK Scores of U.S. DO Seniors  
Child Neurology**



Source: NRMP Data Warehouse

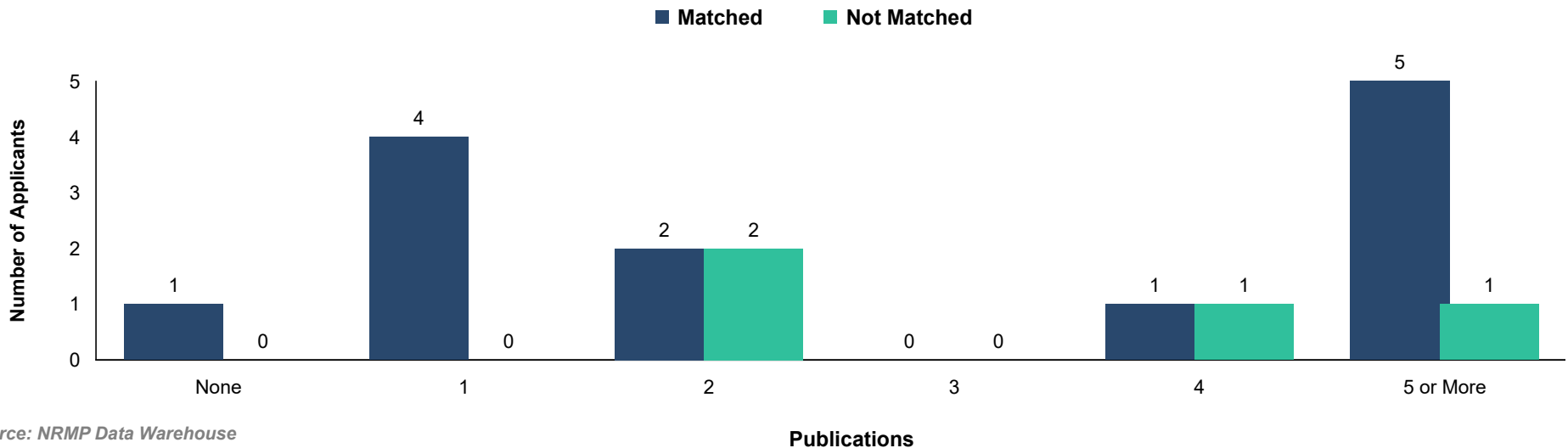
**Chart  
CN-7**

### Number of Research Projects of U.S. DO Seniors *Child Neurology*



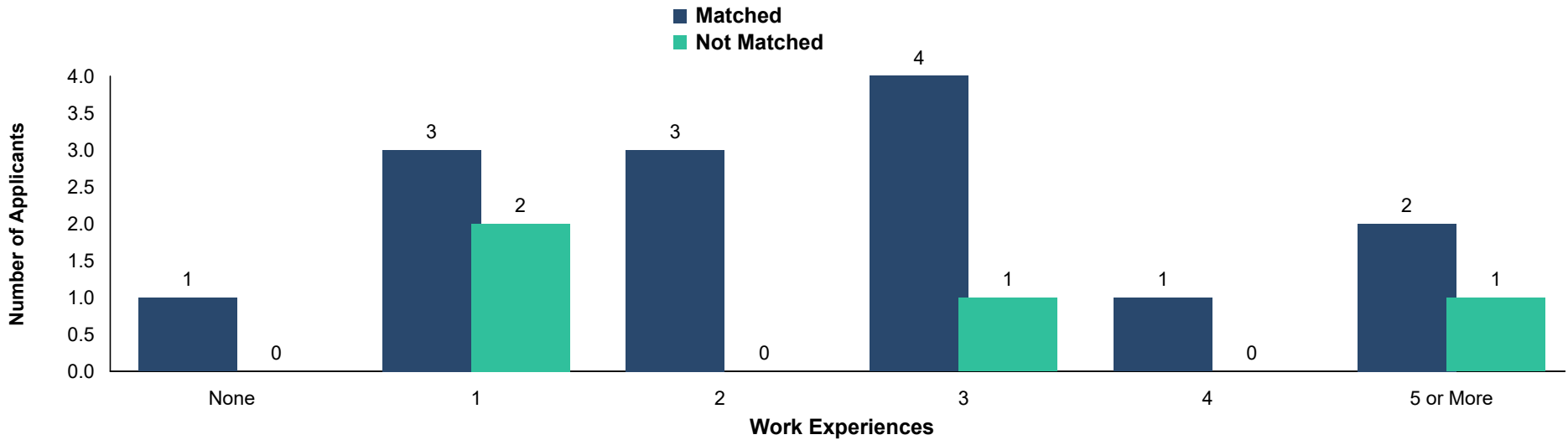
**Chart  
CN-8**

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

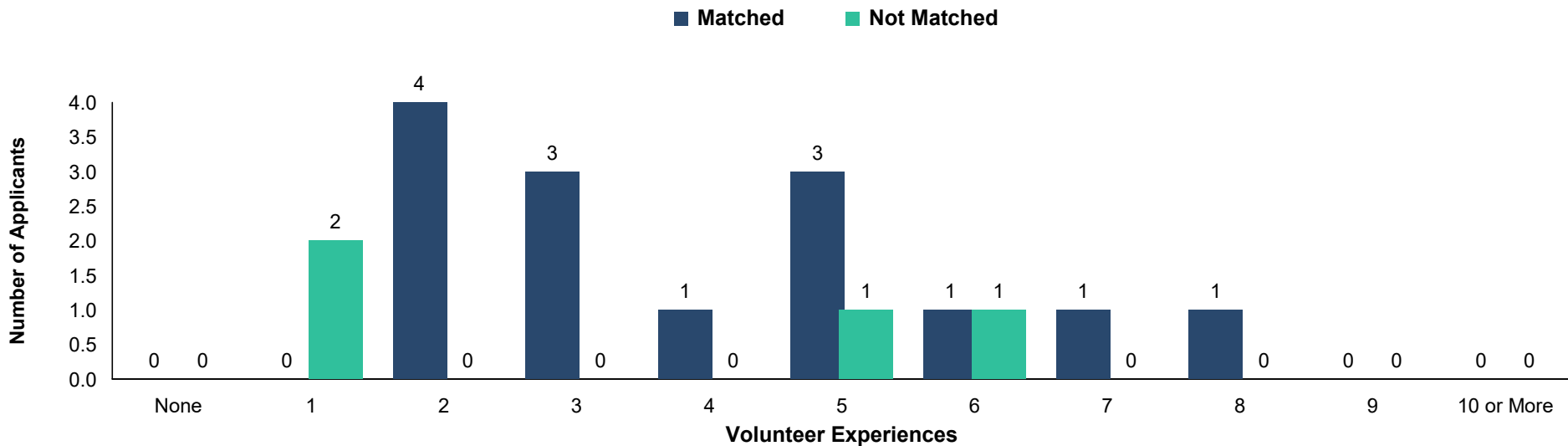


Source: NRMP Data Warehouse

**Chart CN-9** Number of Work Experiences of U.S. DO Seniors  
*Child Neurology*



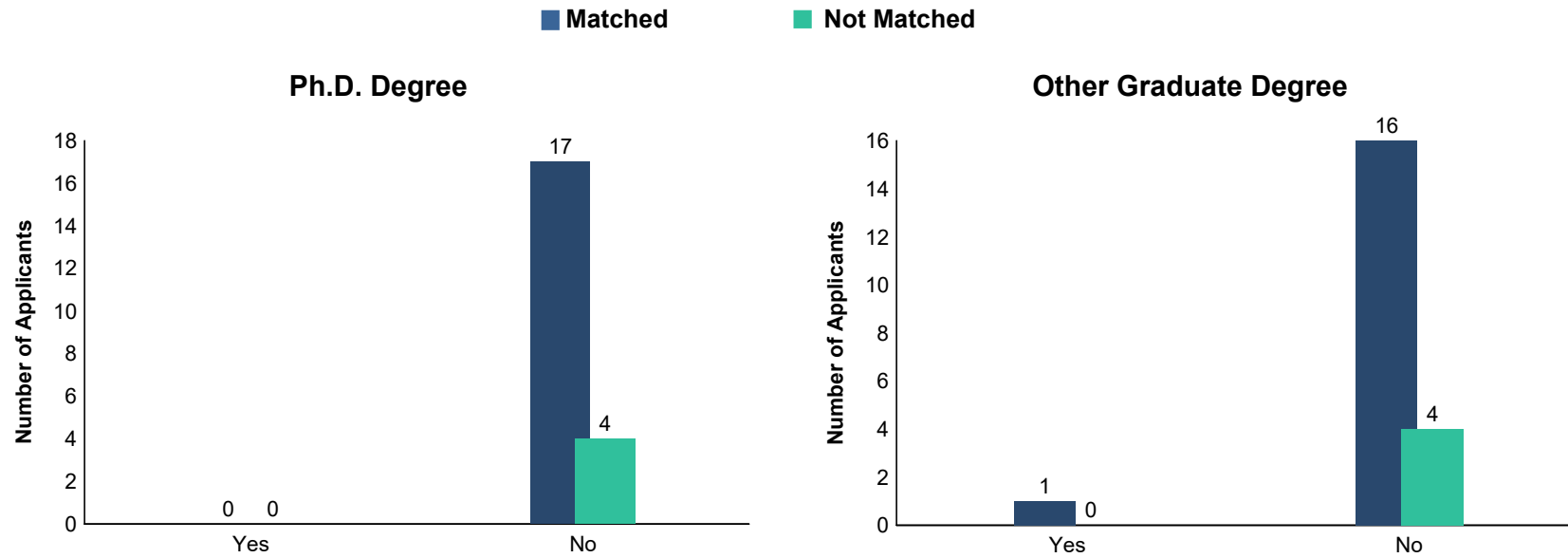
**Chart CN-10** Number of Volunteer Experiences of U.S. DO Seniors  
*Child Neurology*



Source: NRMP Data Warehouse

**Chart  
CN-11**

**Other Characteristics of U.S. DO Seniors**  
*Child Neurology*



Source: NRMP Data Warehouse.

**DM**

## **Dermatology**

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

| Measure                                                      | Matched<br>(n=34) | Unmatched<br>(n=37) |
|--------------------------------------------------------------|-------------------|---------------------|
| 1. Mean number of contiguous ranks                           | 7.4               | 3.6                 |
| 2. Mean number of distinct specialties ranked                | 2.0               | 2.4                 |
| 3. Mean COMLEX-USA Level 1 score*                            | 555               | 548                 |
| 4. Mean COMLEX-USA Level 2-CE score                          | 612               | 556                 |
| 5. Mean USMLE Step 1 score*                                  | 222               | 243                 |
| 6. Mean USMLE Step 2 CK score                                | 250               | 246                 |
| 7. Mean number of research experiences                       | 4.5               | 5.4                 |
| 8. Mean number of abstracts, presentations, and publications | 15.4              | 11.8                |
| 9. Mean number of work experiences                           | 2.6               | 2.1                 |
| 10. Mean number of volunteer experiences                     | 6.0               | 4.3                 |
| 11. Percentage who have a Ph.D. degree                       | 0.0               | 3.4                 |
| 12. Percentage who have another graduate degree              | 33.3              | 38.7                |

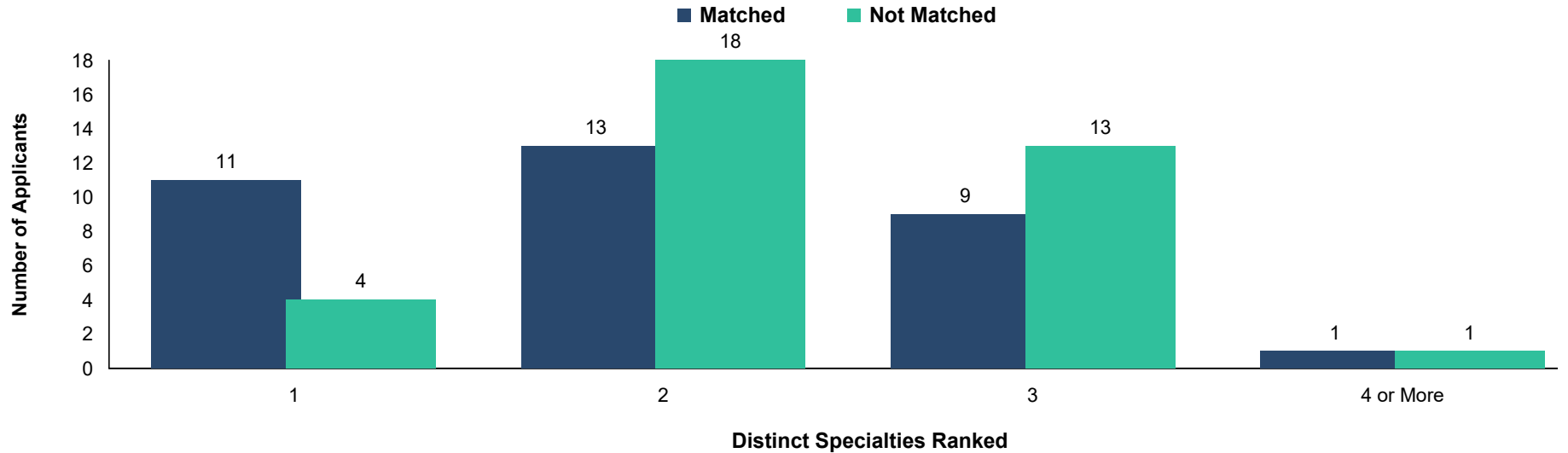
Source: NRMP Data Warehouse.

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

\*Only applicants who indicated completion of the COMLEX Level 1 or USMLE Step 1 exams prior to the transition to pass/fail (i.e., prior to May 10, 2022 for Level 1, January 26, 2022 for Step 1) had the option to self-report their numeric scores. In 2024, only 340 U.S. DO seniors self-reported Level 1 numeric scores, while only 123 reported Step 1 numeric scores.

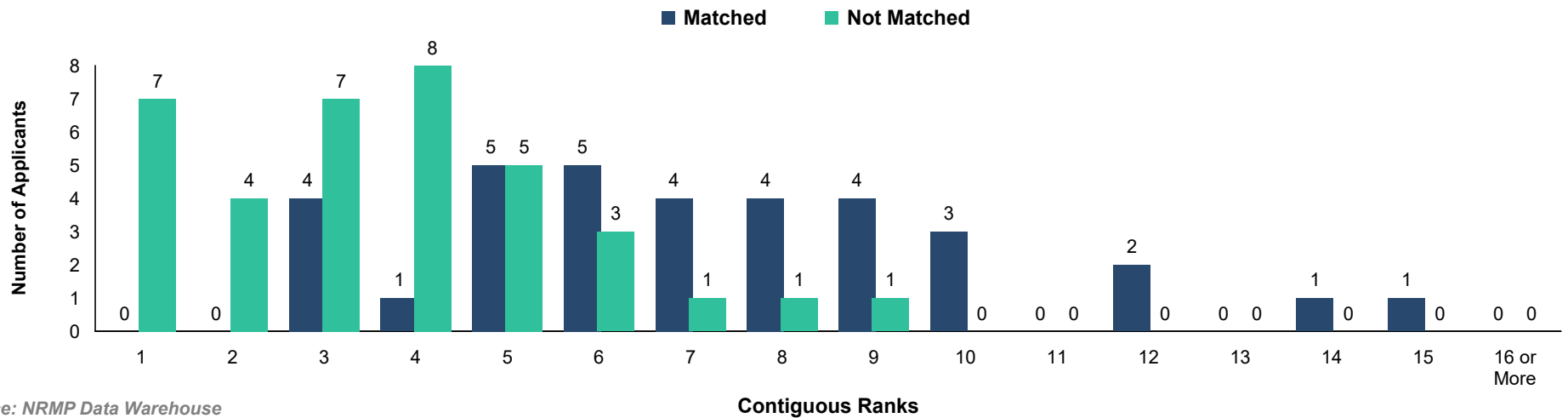
**Chart  
DM-1**

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



**Chart  
DM-2**

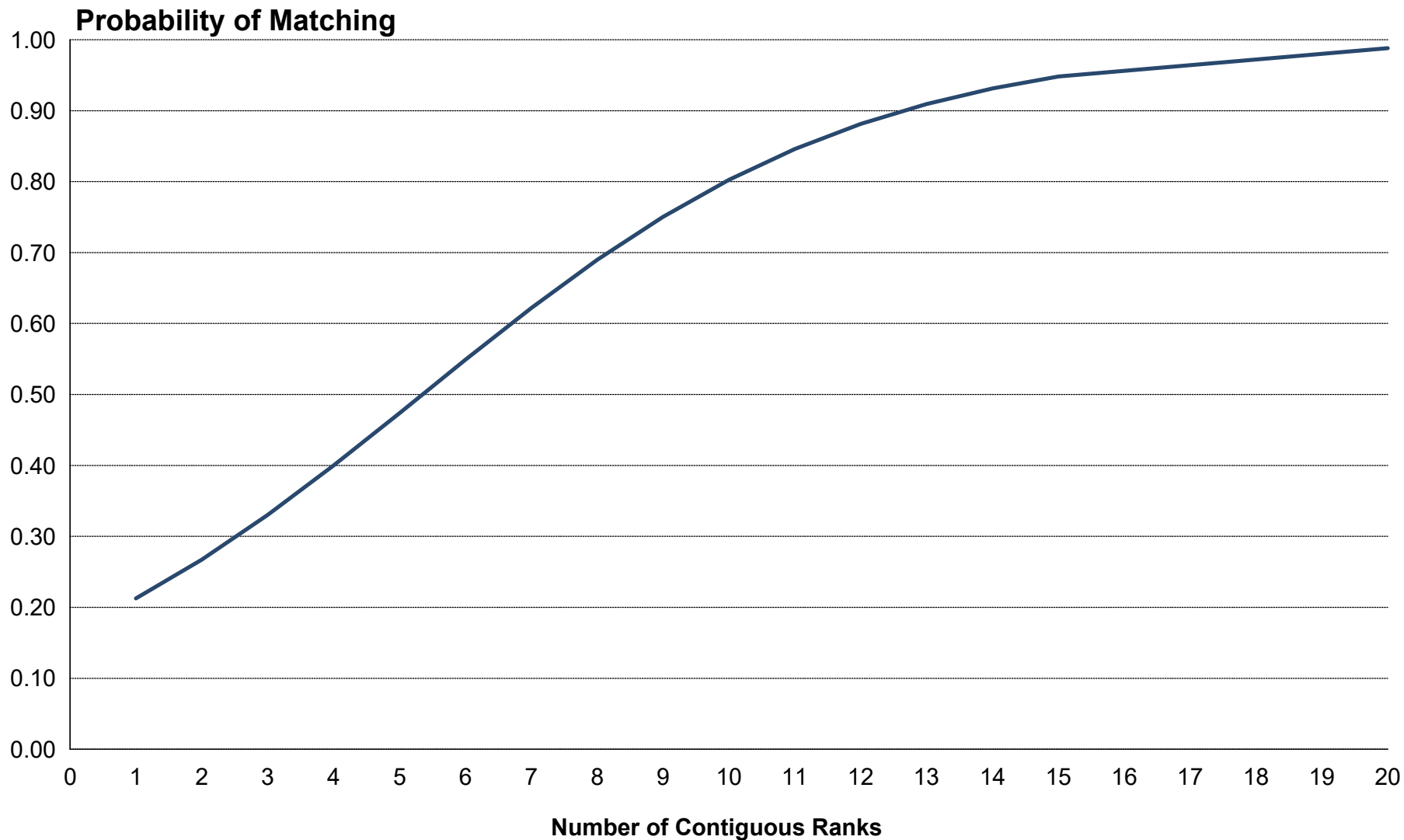
**Number of Contiguous Ranks of U.S. DO Seniors  
Dermatology**



Source: NRMP Data Warehouse

**Graph  
DM-1**

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

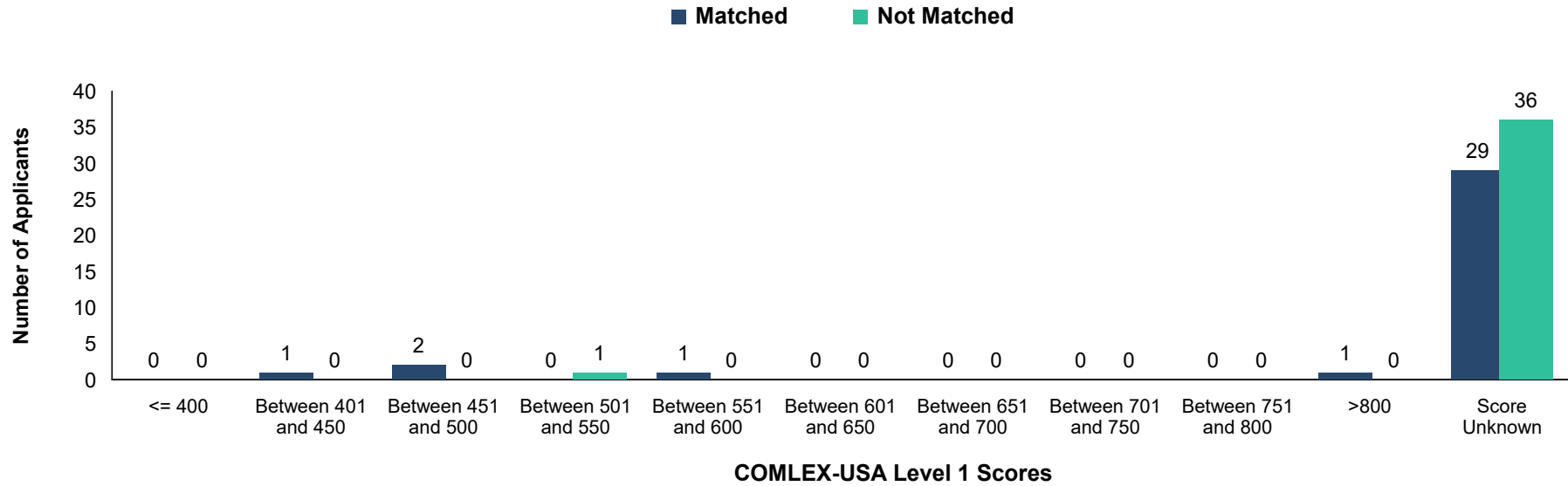


Source: NRMP Data Warehouse. Note: Probabilities calculated based on 2022-2024 applicants.



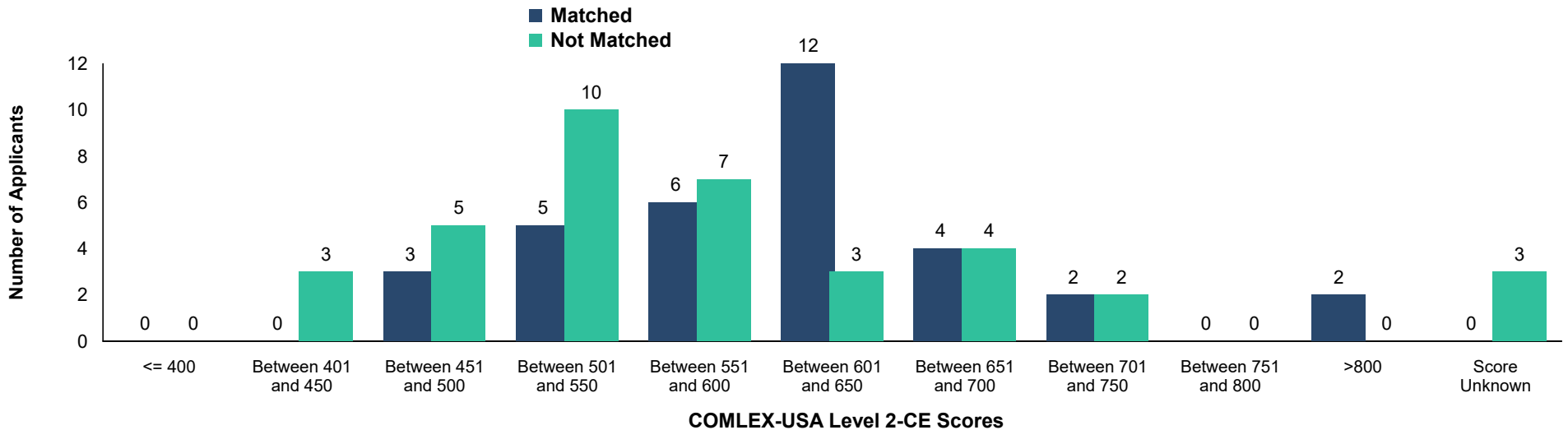
**Chart  
DM-3**

**COMLEX-USA Level 1 Scores of U.S. DO Seniors  
Dermatology**



**Chart  
DM-4**

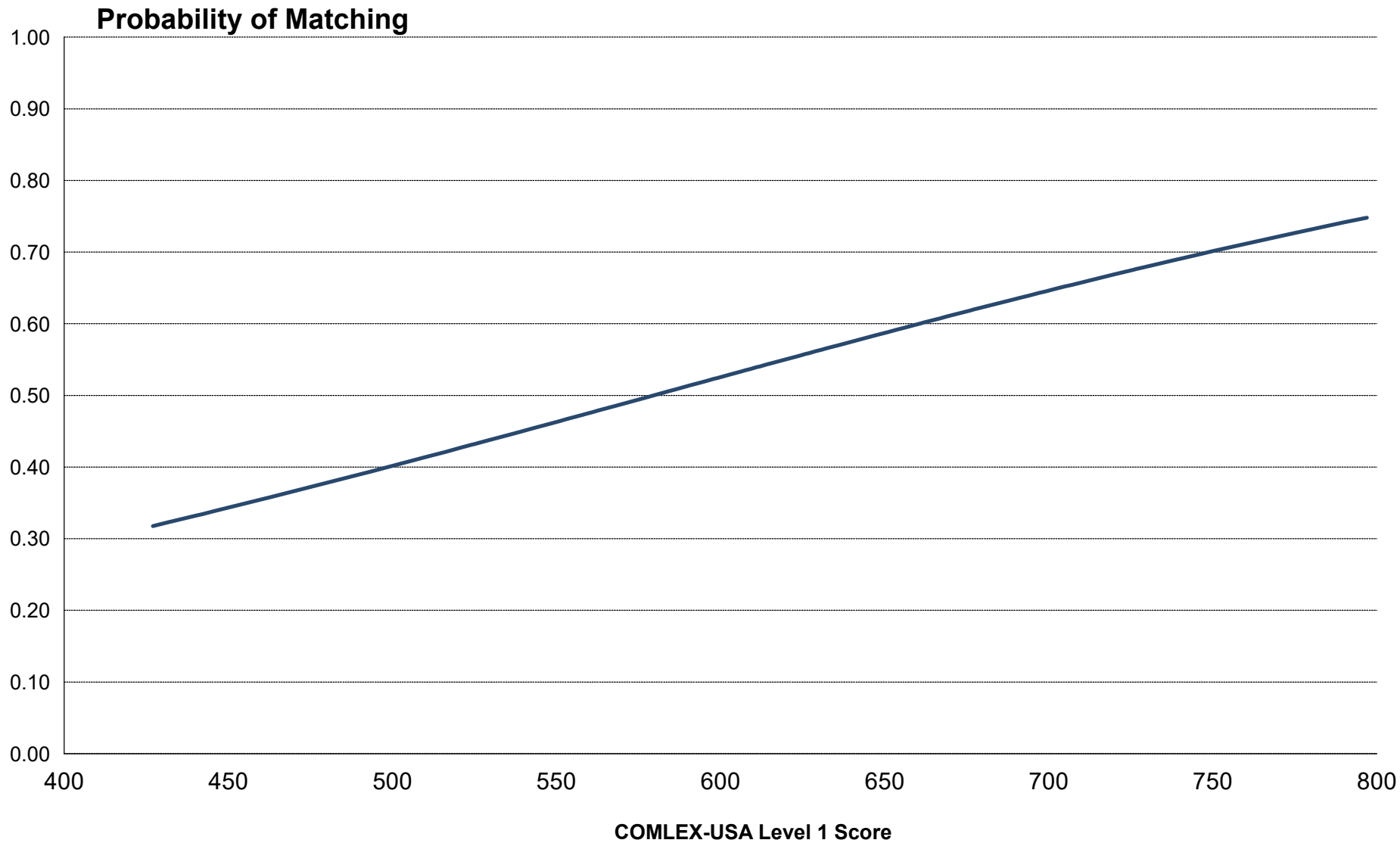
**COMLEX-USA Level 2-CE Scores of U.S. DO Seniors  
Dermatology**



Source: NRMP Data Warehouse

**Graph  
DM-2**

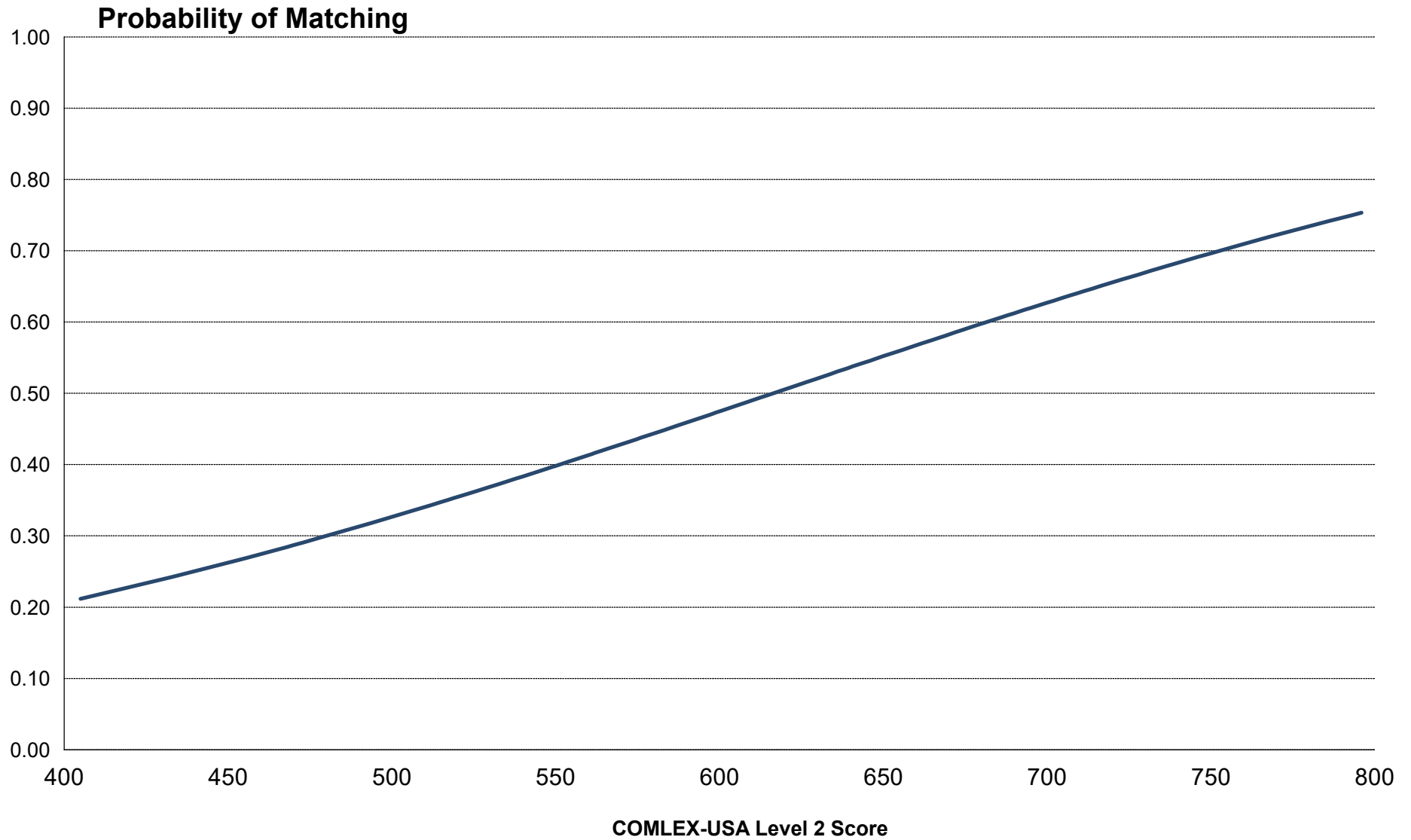
**Probability of U.S. DO Seniors Matching to Preferred Specialty by COMLEX-USA Level 1 Score**  
*Dermatology*



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

# Probability of U.S. DO Seniors Matching to Preferred Specialty by COMLEX-USA Level 2 Score

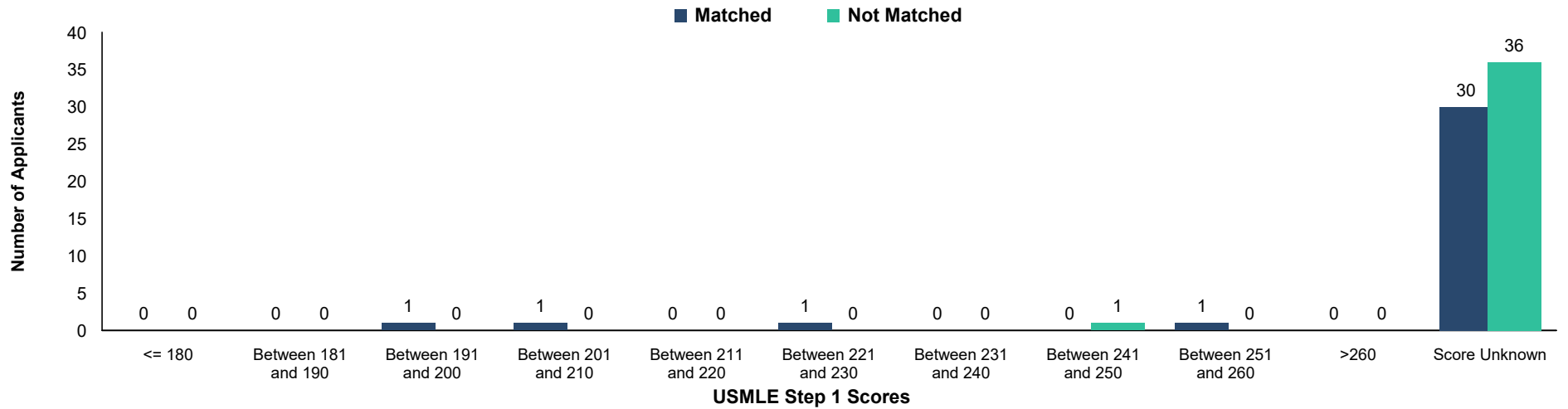
## Dermatology



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

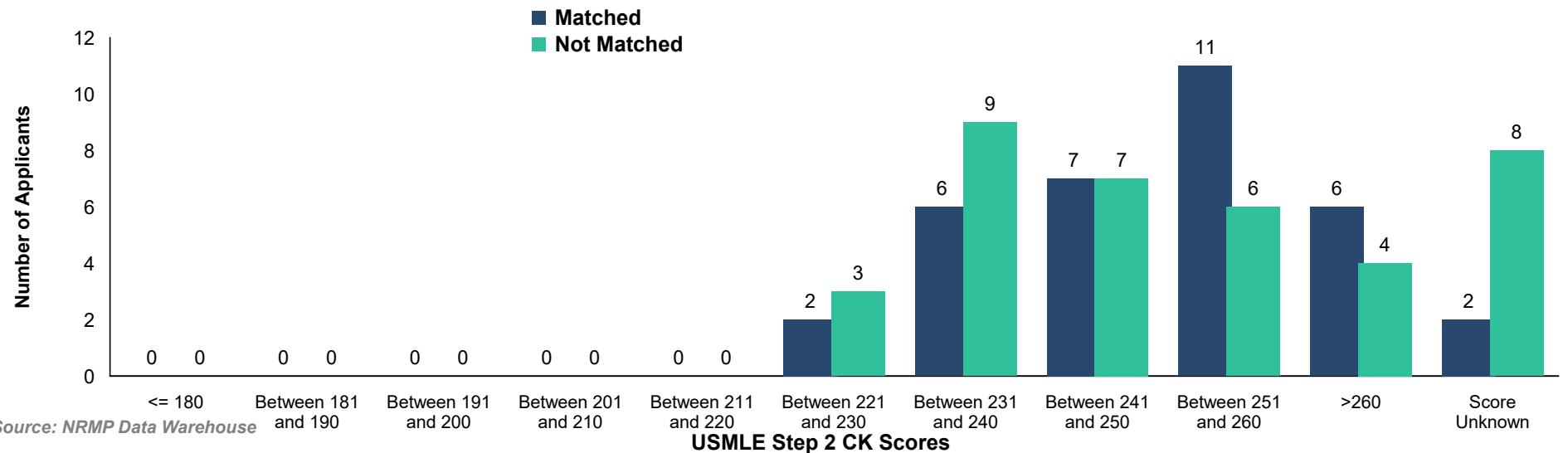
**Chart  
DM-5**

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



**Chart  
DM-6**

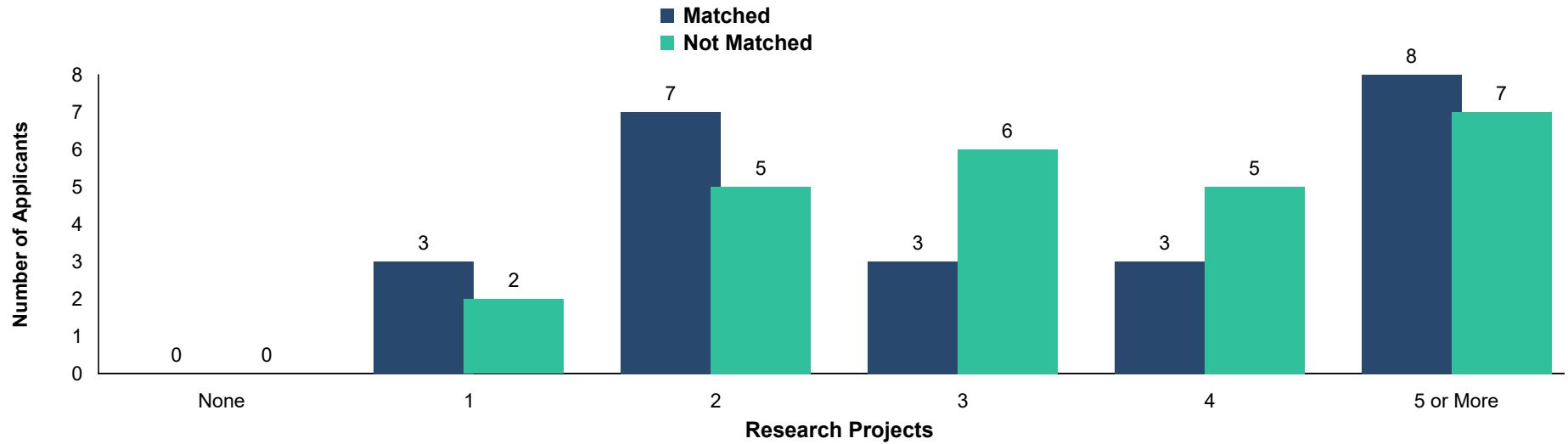
**USMLE Step 2 CK Scores of U.S. DO Seniors  
Dermatology**



Source: NRMP Data Warehouse

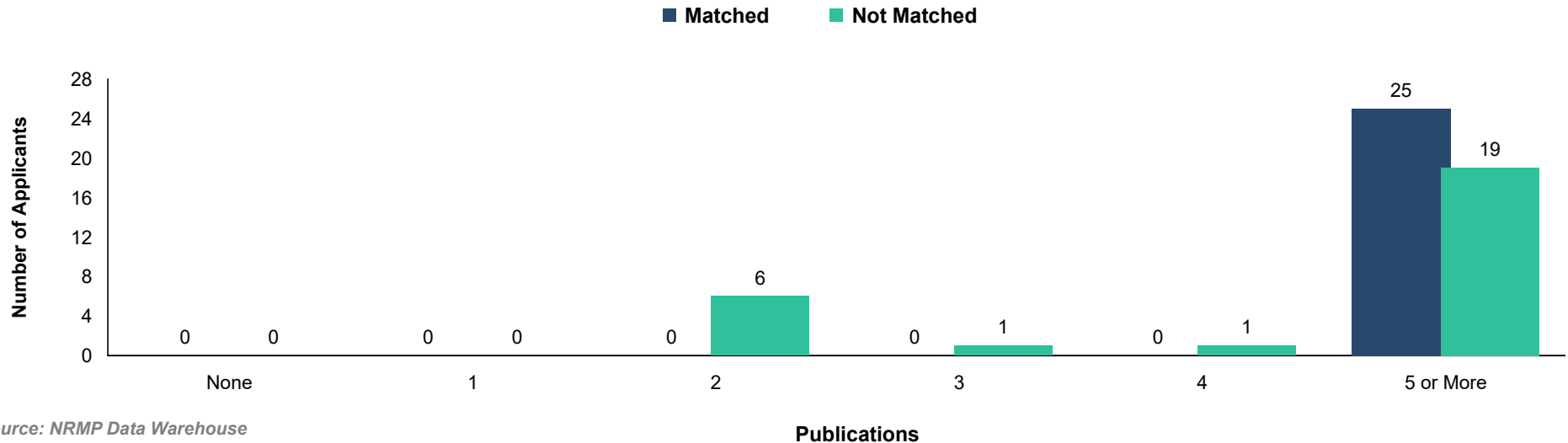
**Chart  
DM-7**

### Number of Research Projects of U.S. DO Seniors *Dermatology*



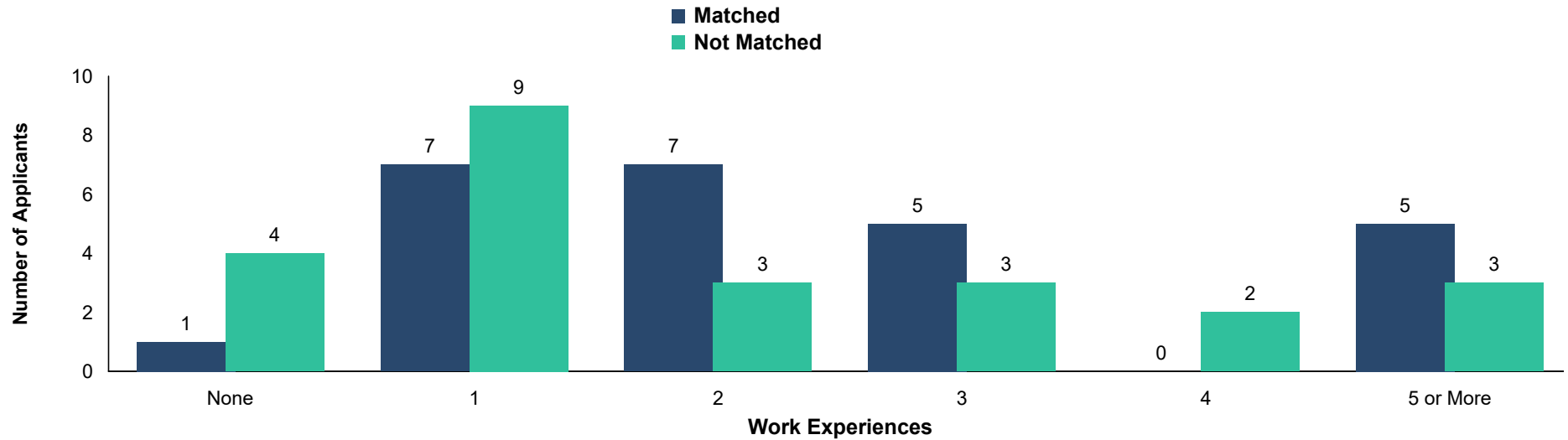
**Chart  
DM-8**

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

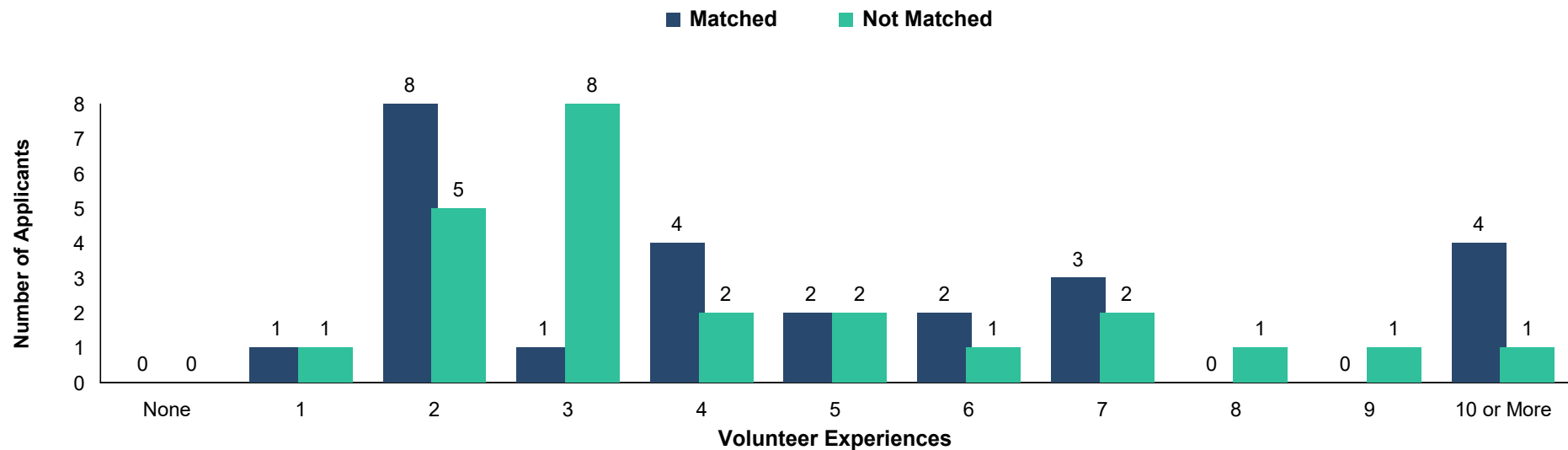


Source: NRMP Data Warehouse

**Chart DM-9** Number of Work Experiences of U.S. DO Seniors  
*Dermatology*



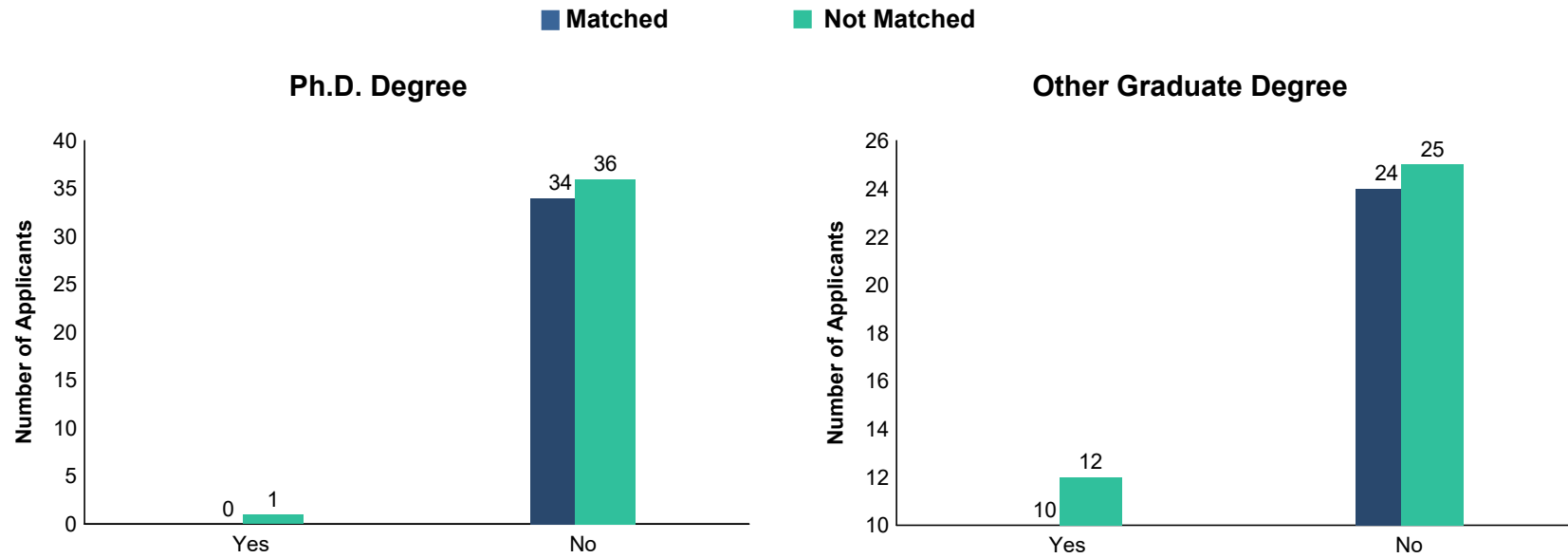
**Chart DM-10** Number of Volunteer Experiences of U.S. DO Seniors  
*Dermatology*



Source: NRMP Data Warehouse

**Chart  
DM-11**

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



Source: NRMP Data Warehouse.

**DR**

## **Diagnostic Radiology**

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

| Measure                                                      | Matched<br>(n=128) | Unmatched<br>(n=59) |
|--------------------------------------------------------------|--------------------|---------------------|
| 1. Mean number of contiguous ranks                           | 10.6               | 3.4                 |
| 2. Mean number of distinct specialties ranked                | 2.1                | 2.6                 |
| 3. Mean COMLEX-USA Level 1 score*                            | 595                | 515                 |
| 4. Mean COMLEX-USA Level 2-CE score                          | 612                | 521                 |
| 5. Mean USMLE Step 1 score*                                  | 247                | 212                 |
| 6. Mean USMLE Step 2 CK score                                | 252                | 237                 |
| 7. Mean number of research experiences                       | 3.5                | 3.1                 |
| 8. Mean number of abstracts, presentations, and publications | 7.1                | 5.4                 |
| 9. Mean number of work experiences                           | 2.2                | 2.2                 |
| 10. Mean number of volunteer experiences                     | 4.0                | 4.1                 |
| 11. Percentage who have a Ph.D. degree                       | 0.0                | 0.0                 |
| 12. Percentage who have another graduate degree              | 23.1               | 28.6                |

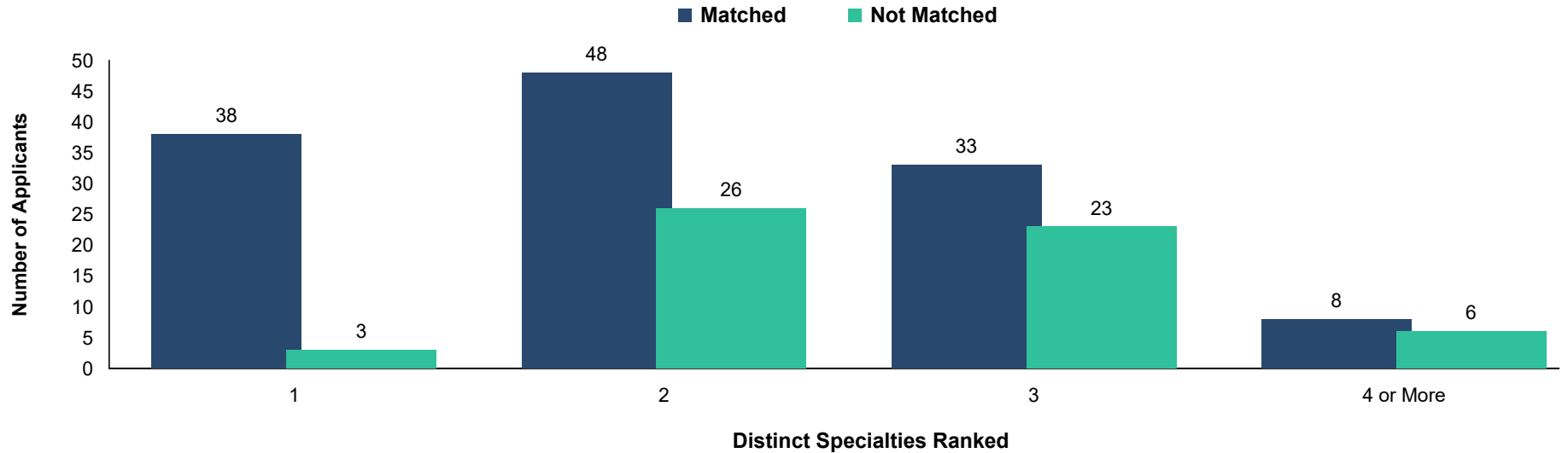
Source: NRMP Data Warehouse.

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

\*Only applicants who indicated completion of the COMLEX Level 1 or USMLE Step 1 exams prior to the transition to pass/fail (i.e., prior to May 10, 2022 for Level 1, January 26, 2022 for Step 1) had the option to self-report their numeric scores. In 2024, only 340 U.S. DO seniors self-reported Level 1 numeric scores, while only 123 reported Step 1 numeric scores.

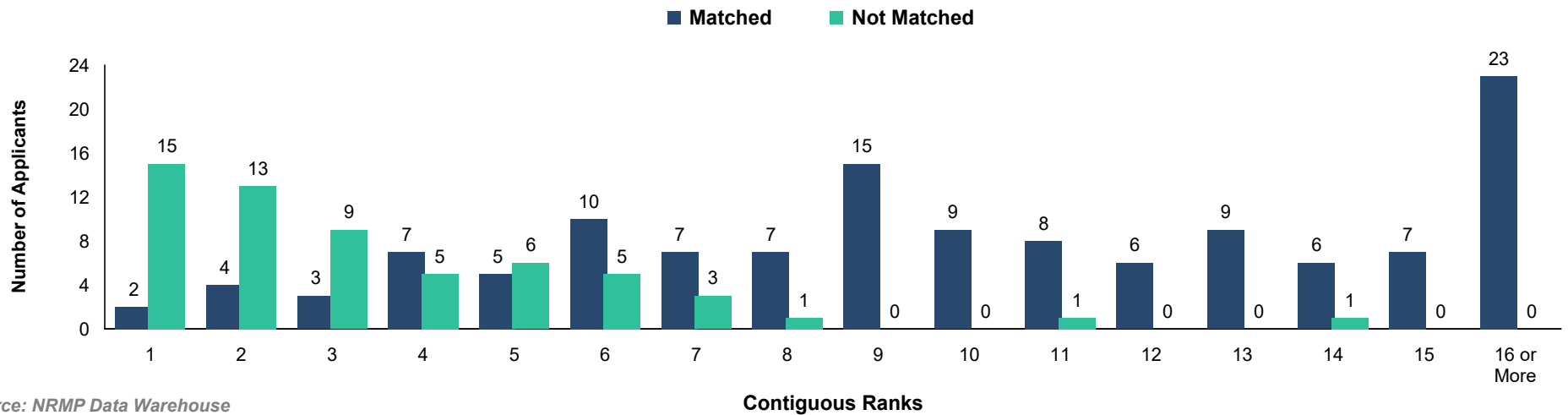
**Chart  
DR-1**

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



**Chart  
DR-2**

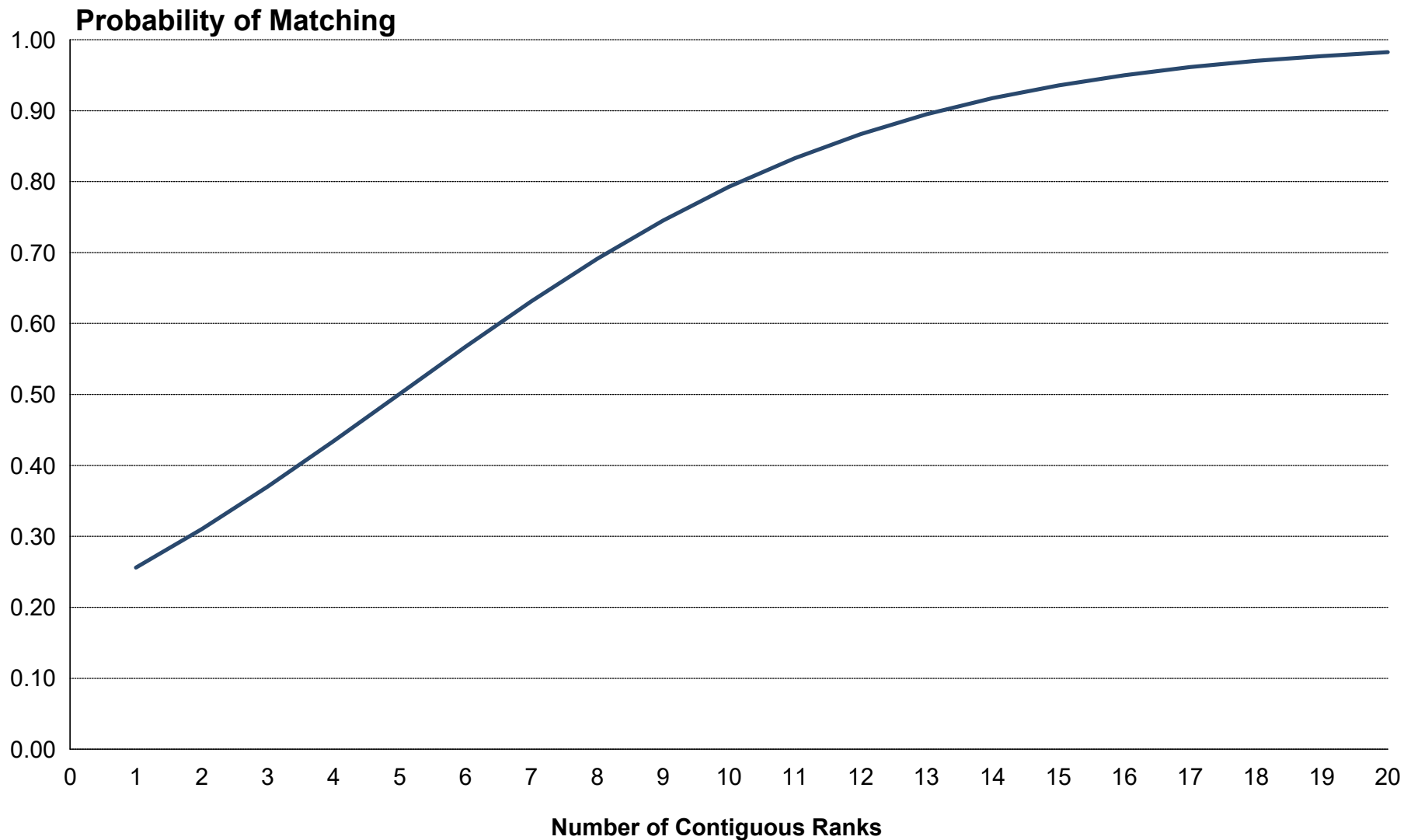
**Number of Contiguous Ranks of U.S. DO Seniors**  
*Diagnostic Radiology*



Source: NRMP Data Warehouse

**Graph  
DR-1**

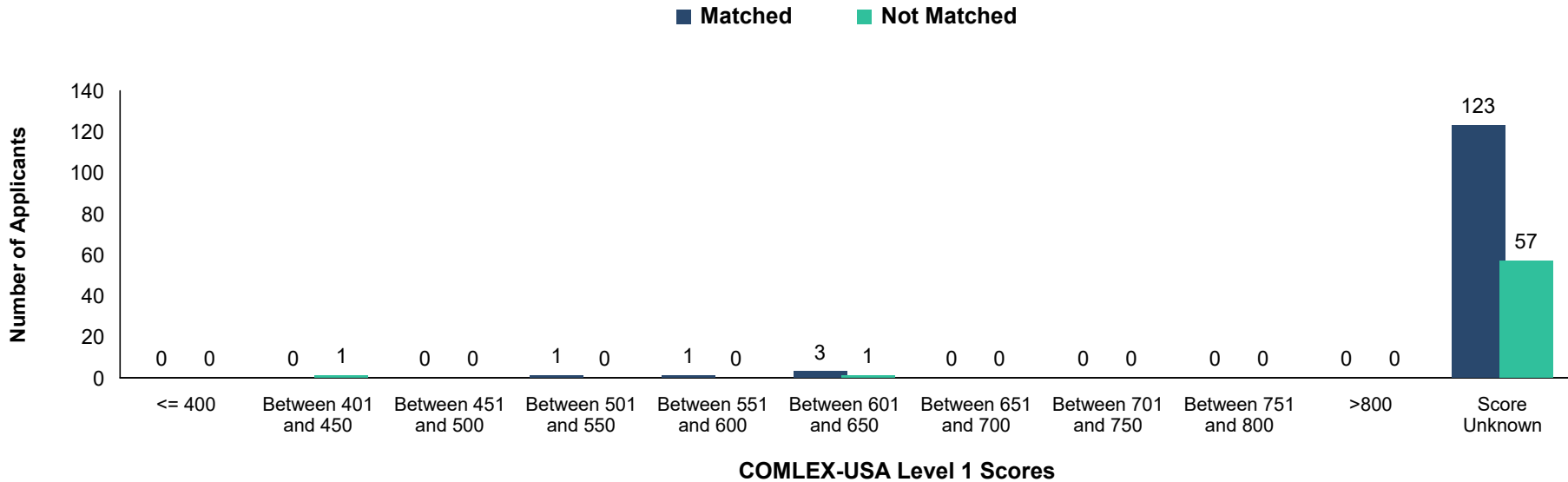
**Probability of U.S. DO Seniors Matching to Preferred Specialty by Number of Contiguous Ranks**  
*Diagnostic Radiology*



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

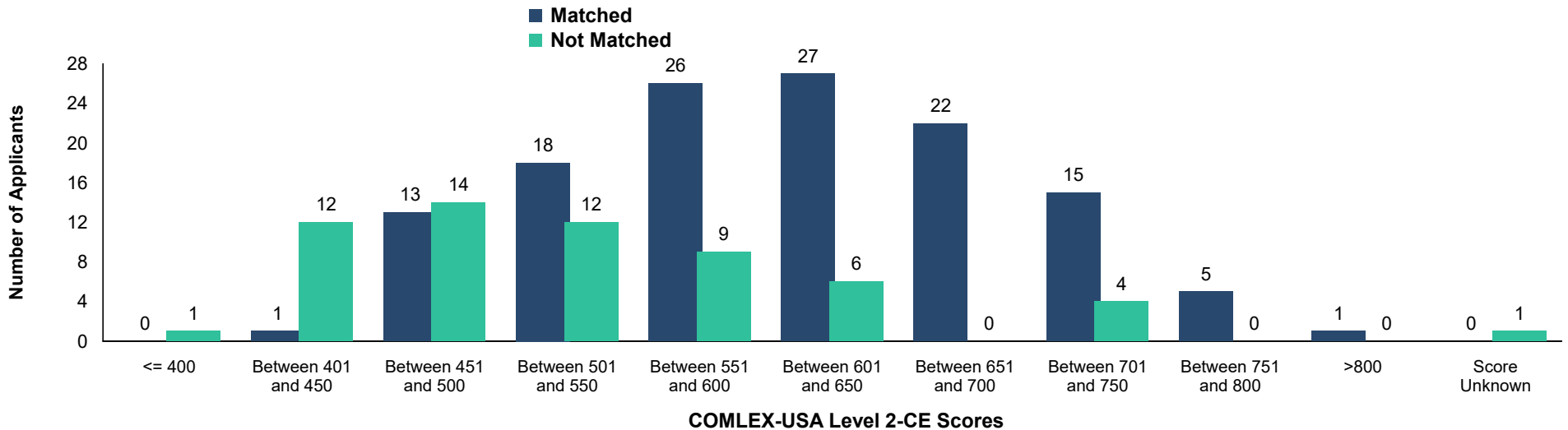
**Chart  
DR-3**

**COMLEX-USA Level 1 Scores of U.S. DO Seniors**  
*Diagnostic Radiology*



**Chart  
DR-4**

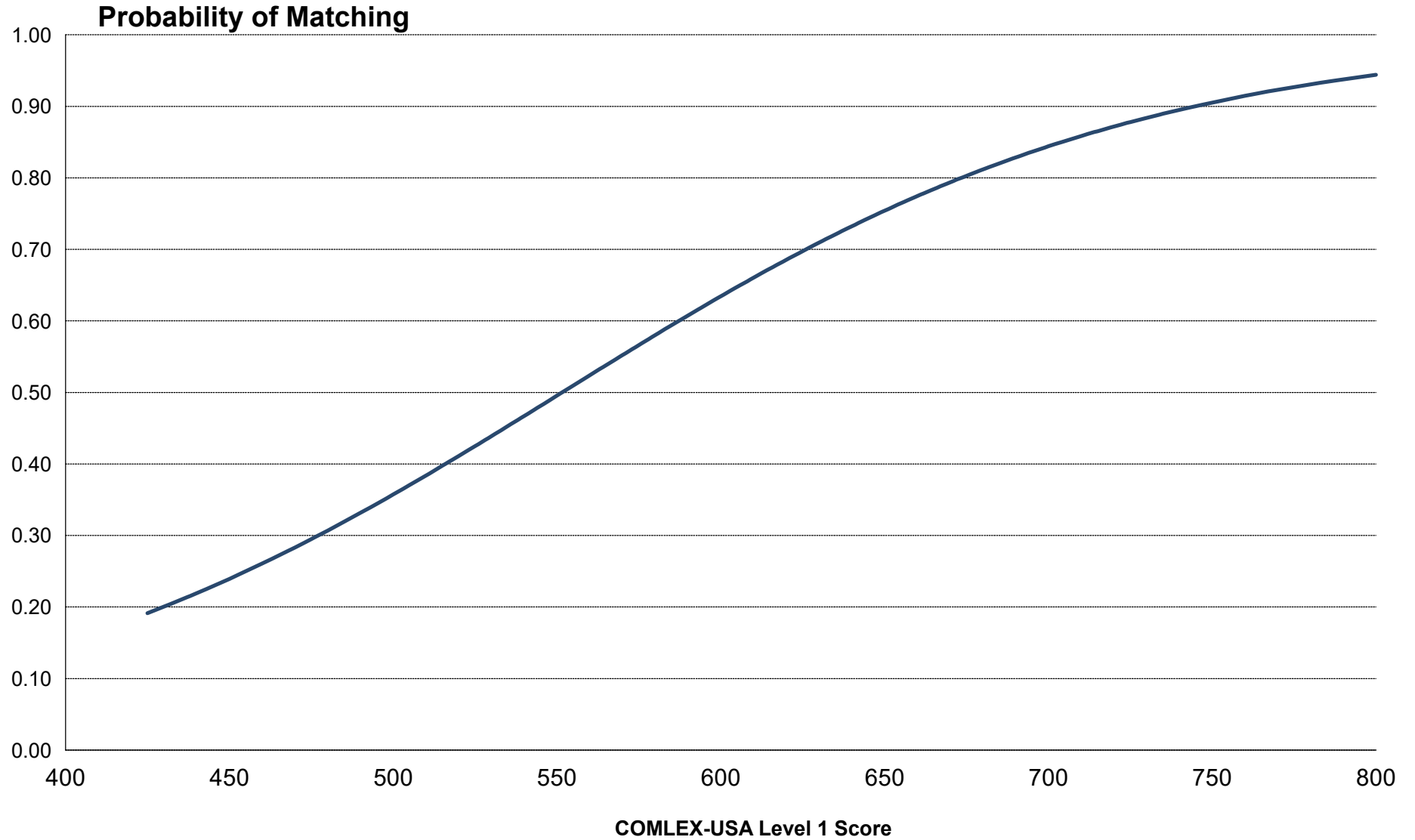
**COMLEX-USA Level 2-CE Scores of U.S. DO Seniors**  
*Diagnostic Radiology*



Source: NRMP Data Warehouse

**Graph  
DR-2**

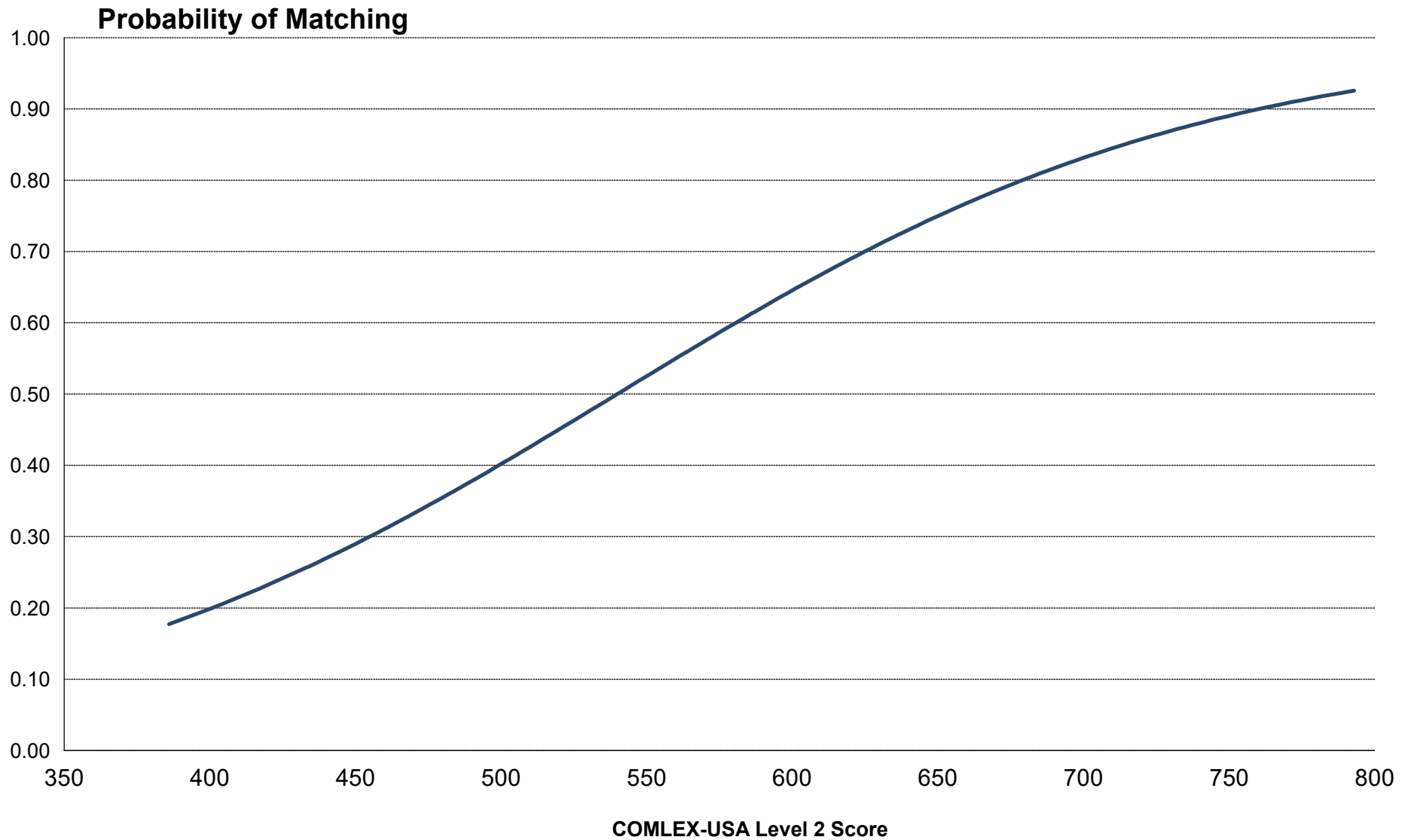
**Probability of U.S. DO Seniors Matching to Preferred Specialty by COMLEX-USA Level 1 Score**  
*Diagnostic Radiology*



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

**Graph  
DR-3**

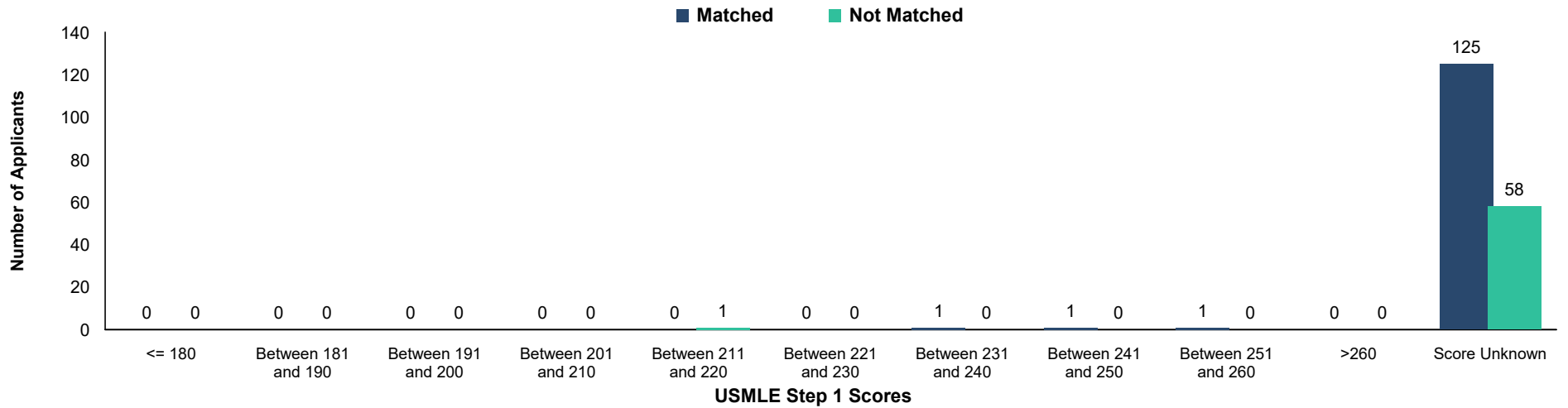
**Probability of U.S. DO Seniors Matching to Preferred Specialty by COMLEX-USA Level 2 Score**  
*Diagnostic Radiology*



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

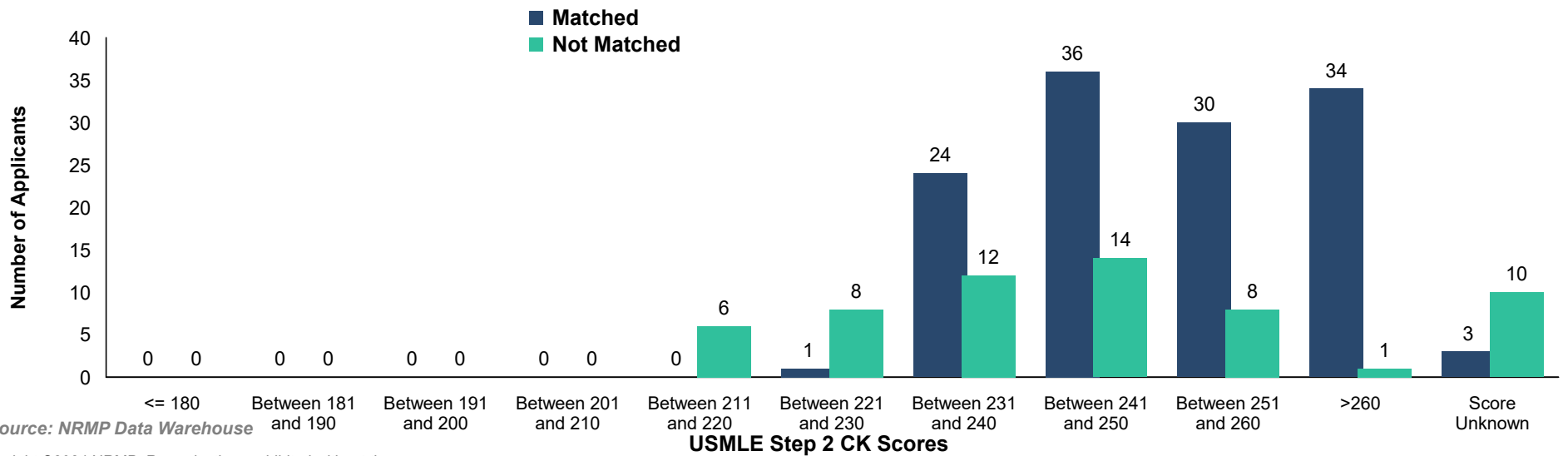
**Chart  
DR-5**

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



**Chart  
DR-6**

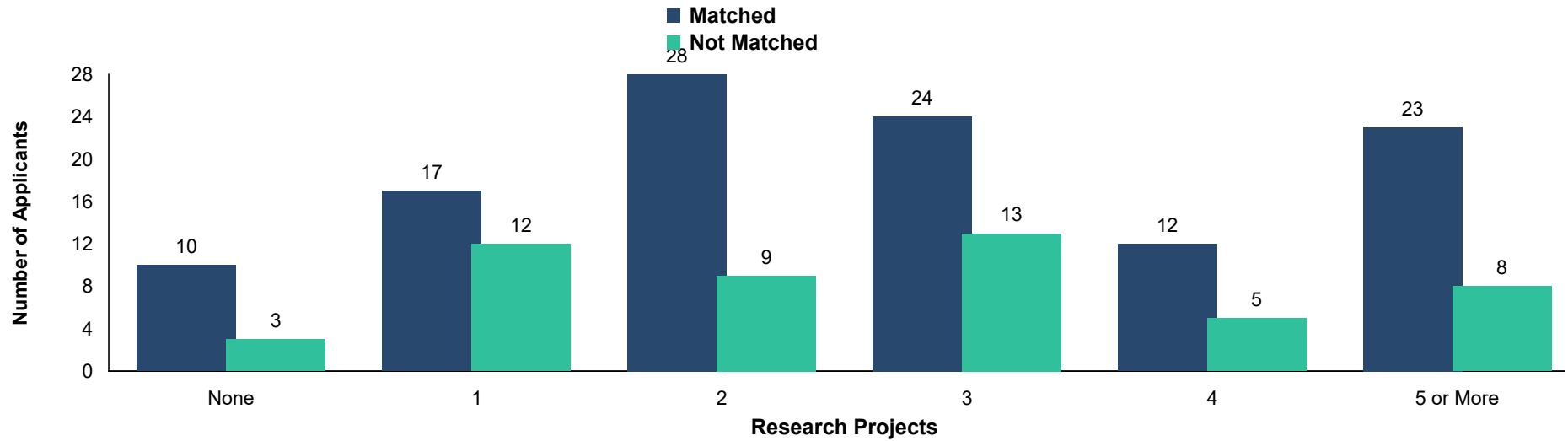
**USMLE Step 2 CK Scores of U.S. DO Seniors  
*Diagnostic Radiology***



Source: NRMP Data Warehouse

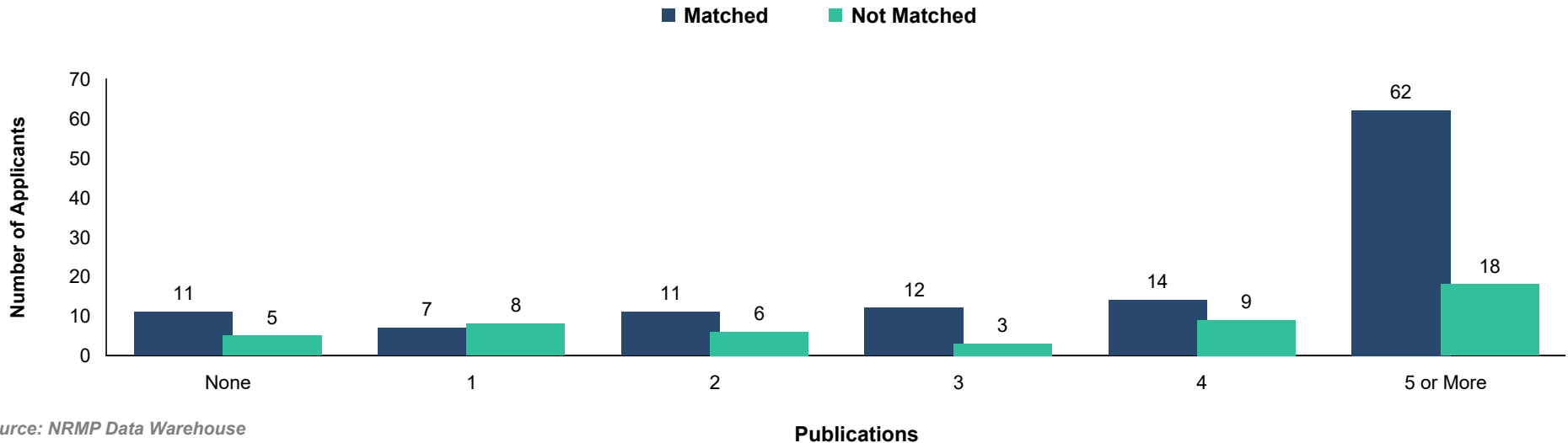
**Chart  
DR-7**

### Number of Research Projects of U.S. DO Seniors *Diagnostic Radiology*



**Chart  
DR-8**

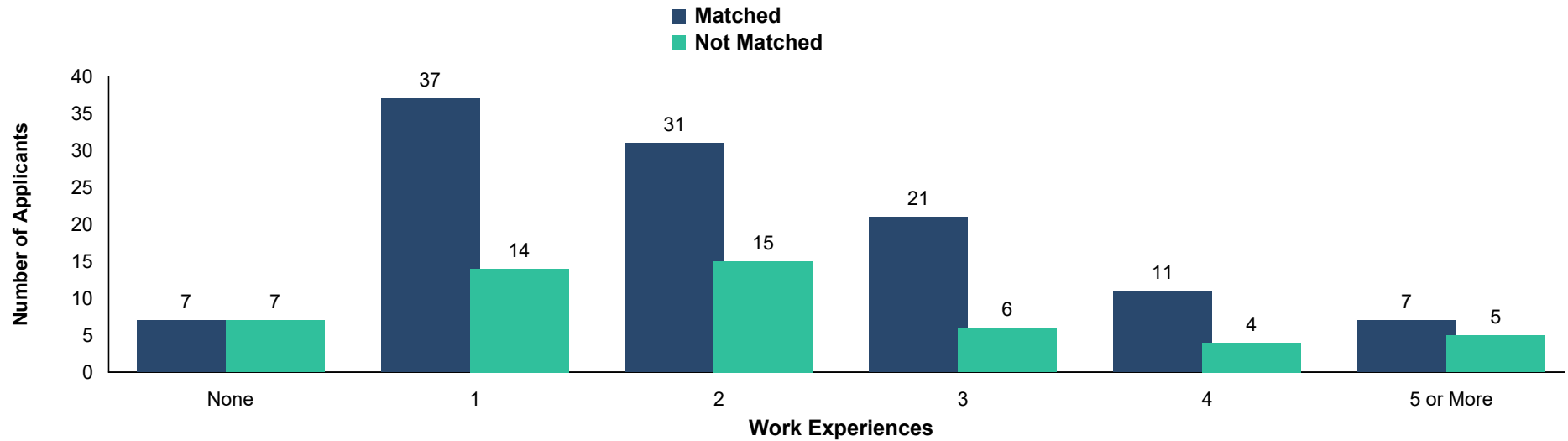
### Number of Abstracts, Presentations, and Publications of U.S. DO Seniors *Diagnostic Radiology*



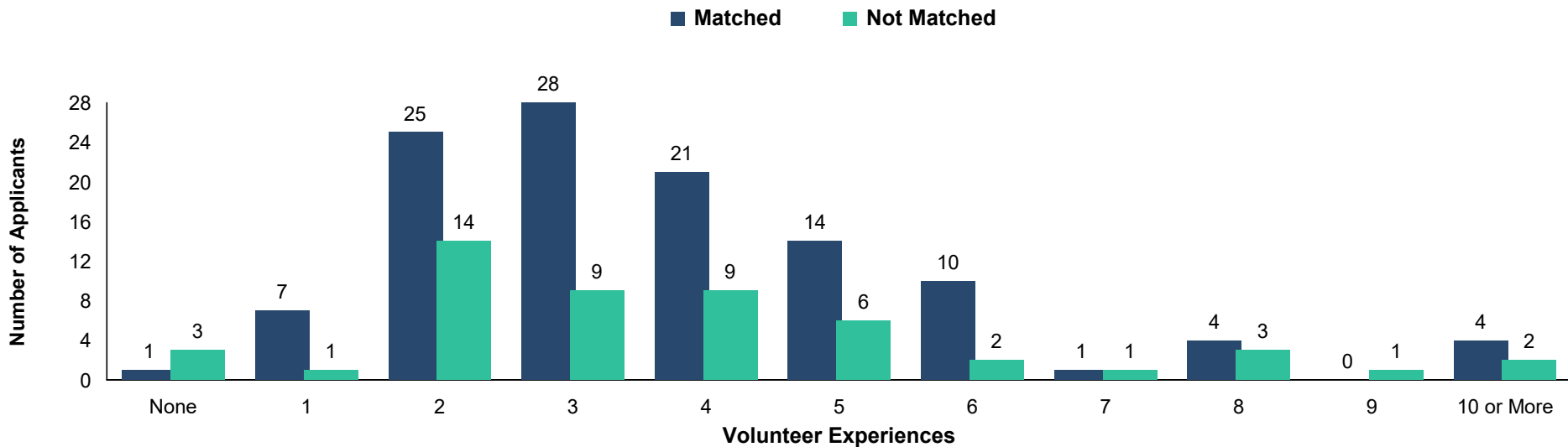
Source: NRMP Data Warehouse



**Chart DR-9** Number of Work Experiences of U.S. DO Seniors  
*Diagnostic Radiology*



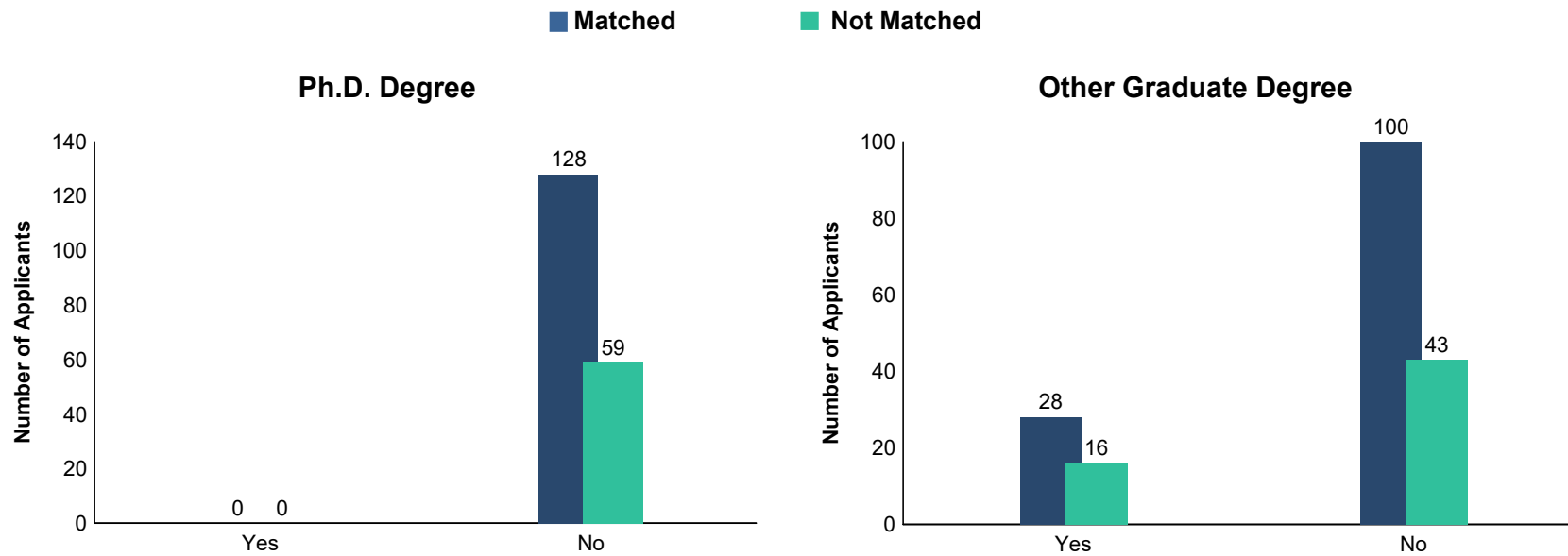
**Chart DR-10** Number of Volunteer Experiences of U.S. DO Seniors  
*Diagnostic Radiology*



Source: NRMP Data Warehouse

**Chart  
DR-11**

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



Source: NRMP Data Warehouse.

**EM**

## **Emergency Medicine**

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

| Measure                                                      | Matched<br>(n=779) | Unmatched<br>(n=31) |
|--------------------------------------------------------------|--------------------|---------------------|
| 1. Mean number of contiguous ranks                           | 14.1               | 3.5                 |
| 2. Mean number of distinct specialties ranked                | 1.1                | 1.6                 |
| 3. Mean COMLEX-USA Level 1 score*                            | 515                | 525                 |
| 4. Mean COMLEX-USA Level 2-CE score                          | 538                | 483                 |
| 5. Mean USMLE Step 1 score*                                  | 231                | 251                 |
| 6. Mean USMLE Step 2 CK score                                | 242                | 243                 |
| 7. Mean number of research experiences                       | 1.8                | 2.2                 |
| 8. Mean number of abstracts, presentations, and publications | 2.9                | 3.0                 |
| 9. Mean number of work experiences                           | 2.7                | 3.0                 |
| 10. Mean number of volunteer experiences                     | 4.2                | 3.3                 |
| 11. Percentage who have a Ph.D. degree                       | 0.1                | 3.8                 |
| 12. Percentage who have another graduate degree              | 26.3               | 53.8                |

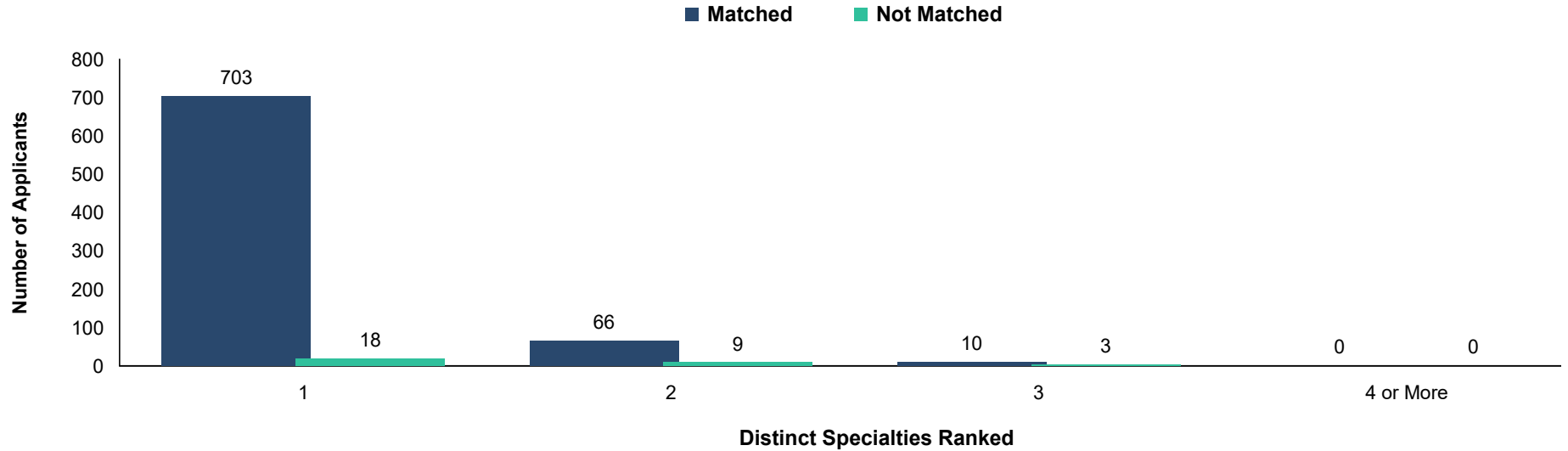
Source: NRMP Data Warehouse.

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

\*Only applicants who indicated completion of the COMLEX Level 1 or USMLE Step 1 exams prior to the transition to pass/fail (i.e., prior to May 10, 2022 for Level 1, January 26, 2022 for Step 1) had the option to self-report their numeric scores. In 2024, only 340 U.S. DO seniors self-reported Level 1 numeric scores, while only 123 reported Step 1 numeric scores.

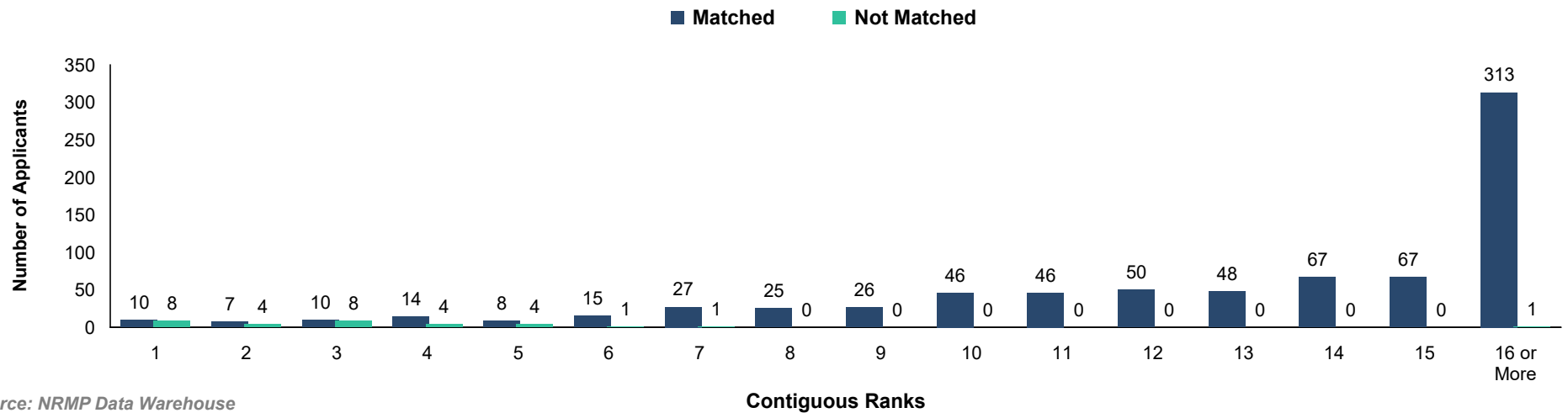
**Chart  
EM-1**

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



**Chart  
EM-2**

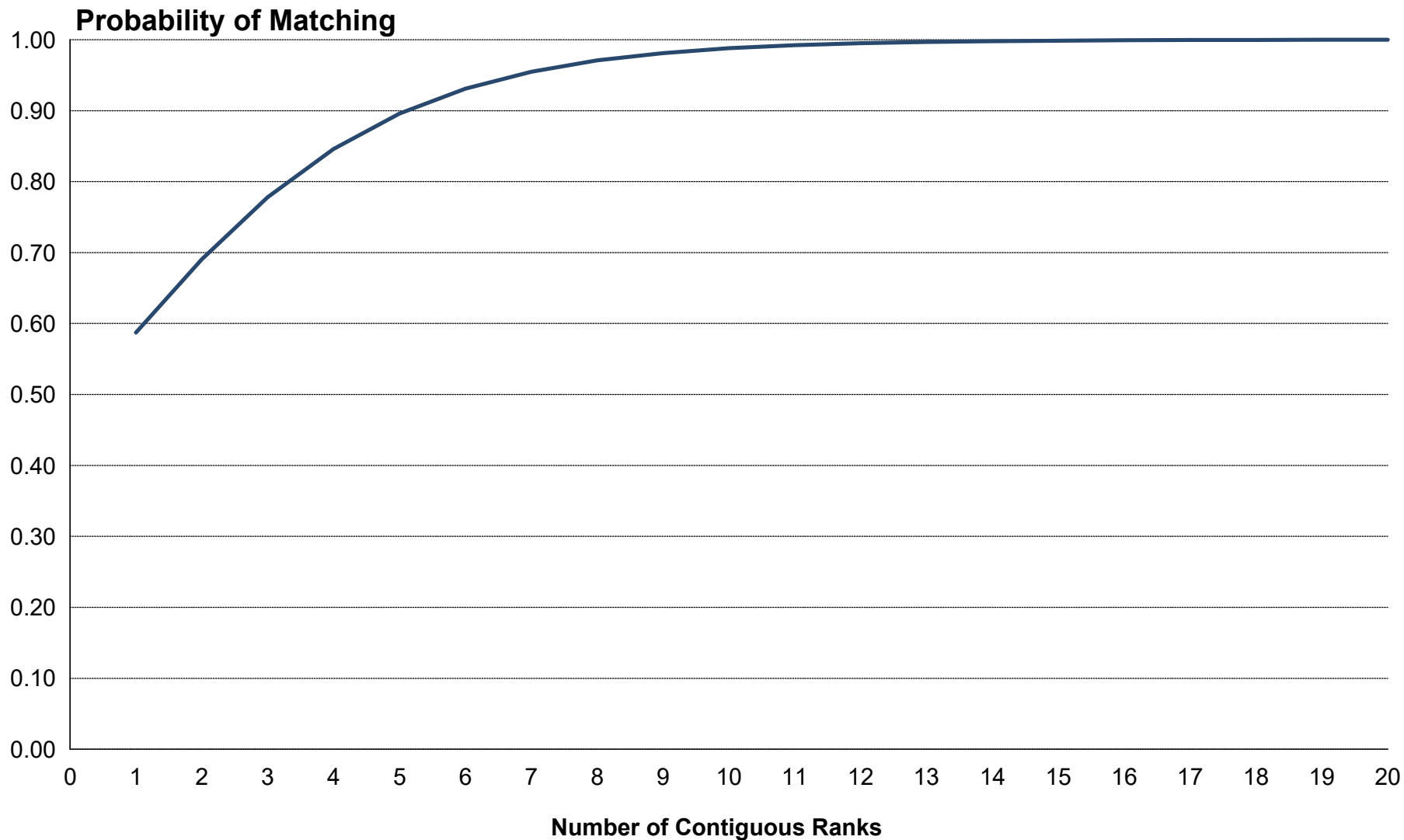
**Number of Contiguous Ranks of U.S. DO Seniors  
*Emergency Medicine***



Source: NRMP Data Warehouse

**Graph  
EM-1**

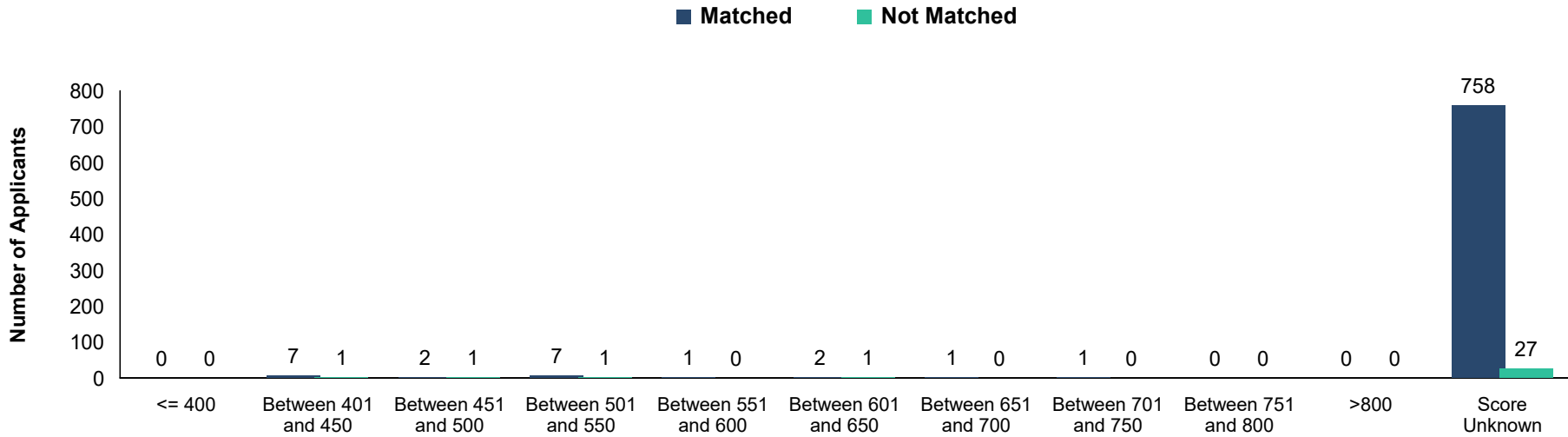
**Probability of U.S. DO Seniors Matching to Preferred Specialty by Number of Contiguous Ranks**  
*Emergency Medicine*



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

**Chart  
EM-3**

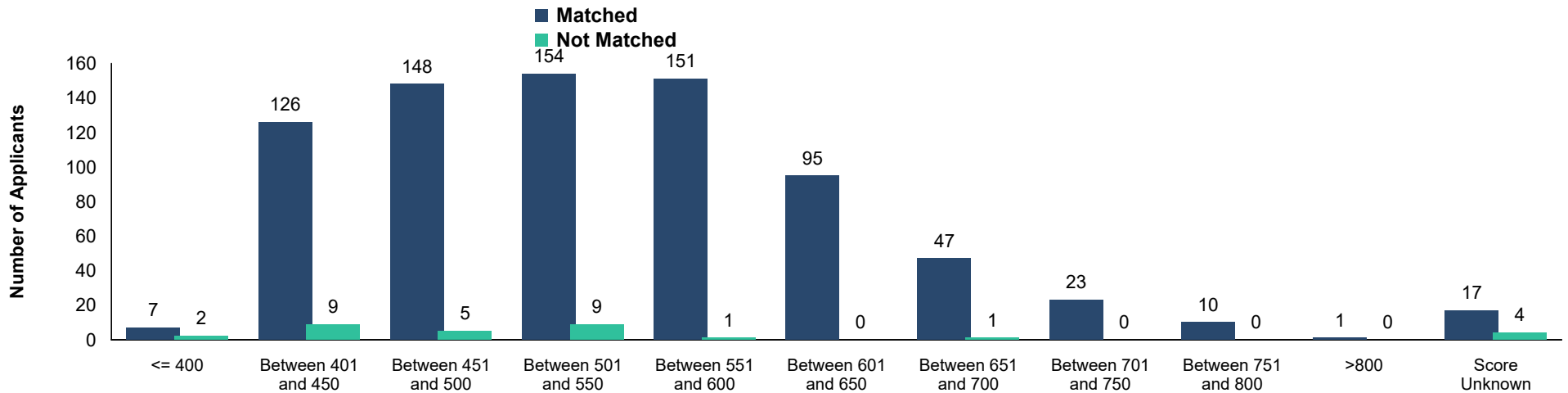
**COMLEX-USA Level 1 Scores of U.S. DO Seniors  
Emergency Medicine**



COMLEX-USA Level 1 Scores

**Chart  
EM-4**

**COMLEX-USA Level 2-CE Scores of U.S. DO Seniors  
Emergency Medicine**

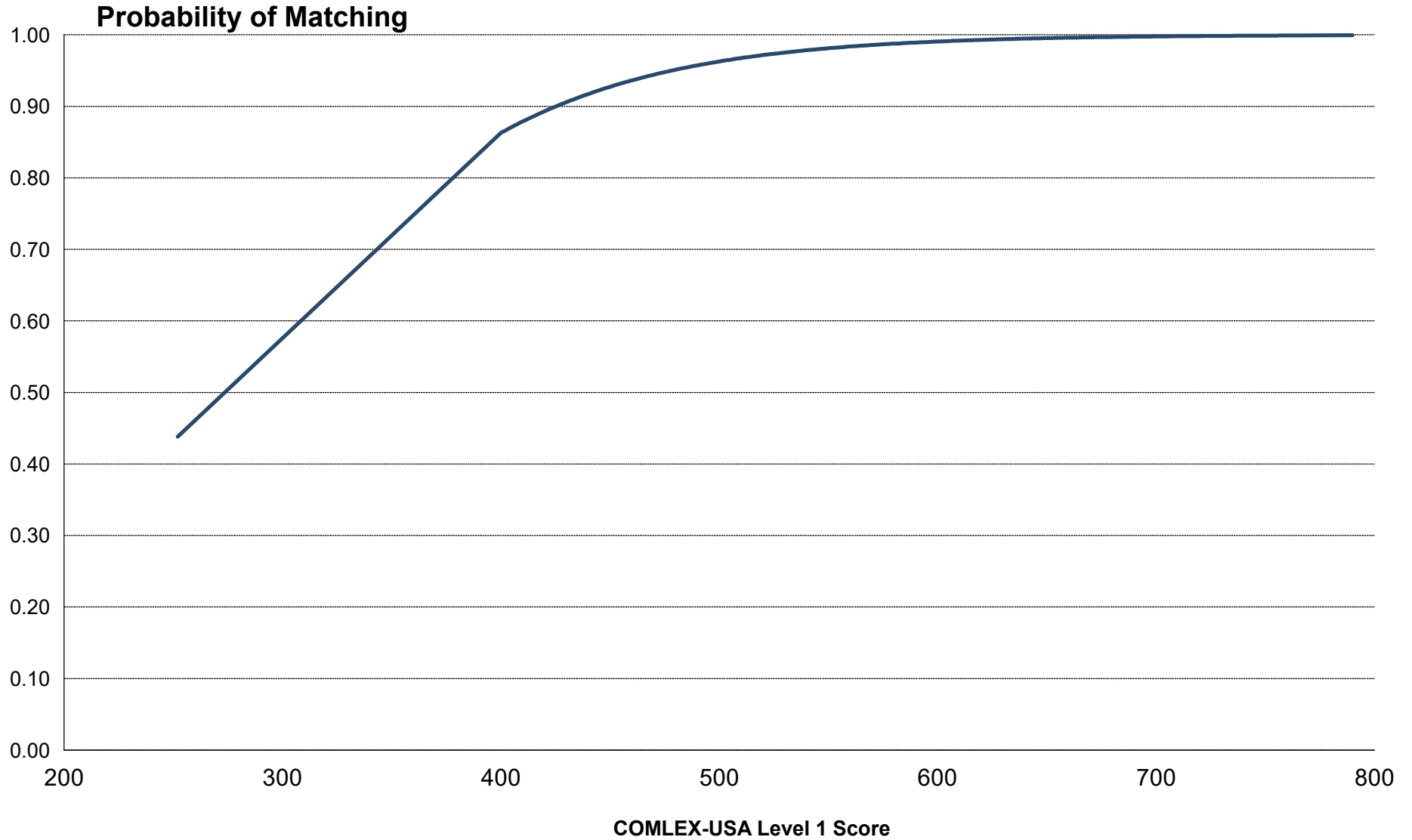


COMLEX-USA Level 2-CE Scores

Source: NRMP Data Warehouse

**Graph  
EM-2**

**Probability of U.S. DO Seniors Matching to Preferred Specialty by COMLEX-USA Level 1 Score**  
*Emergency Medicine*

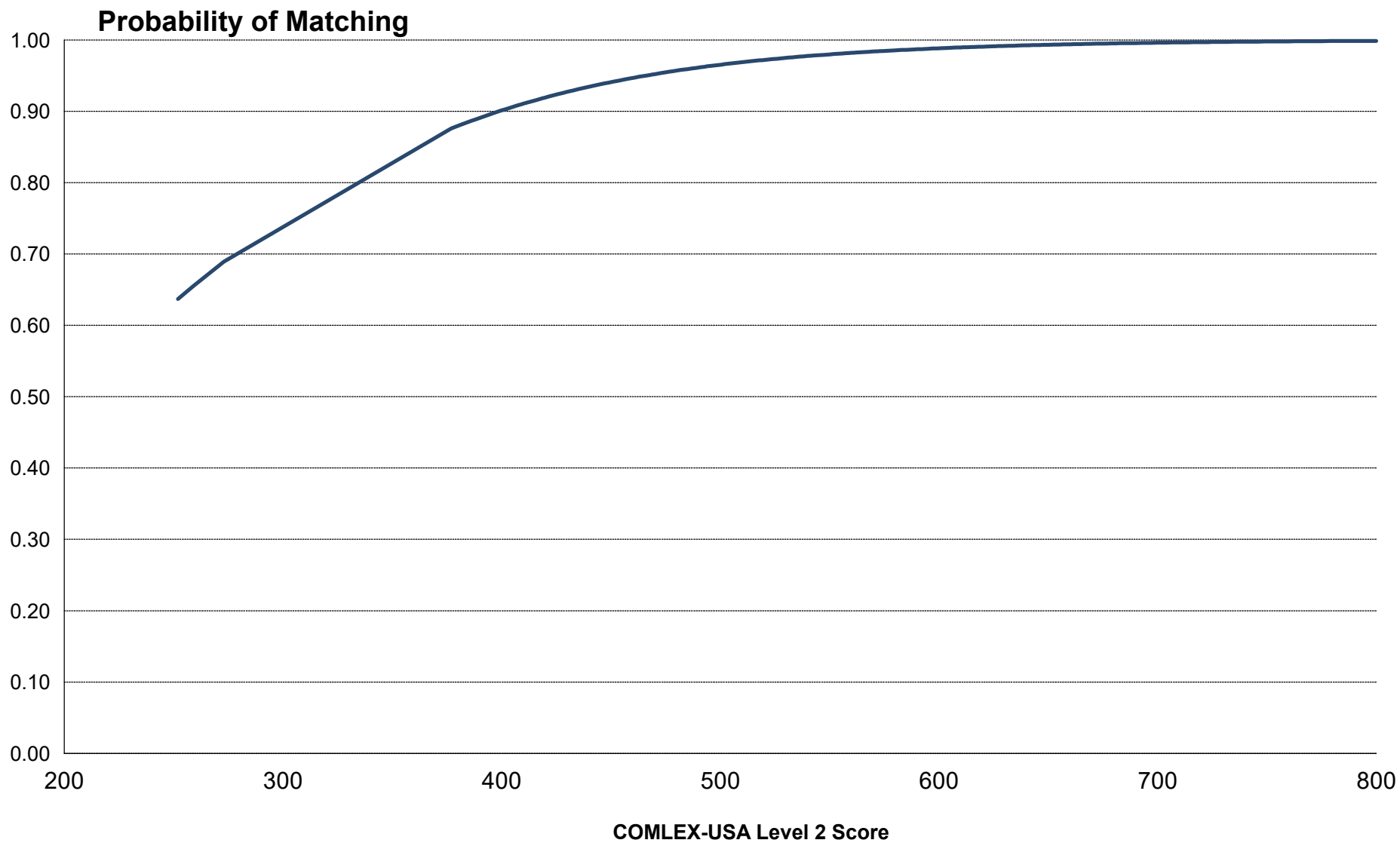


Source: NRMP Data Warehouse. Note: Probabilities calculated based on 2022-2024 applicants.



**Graph  
EM-3**

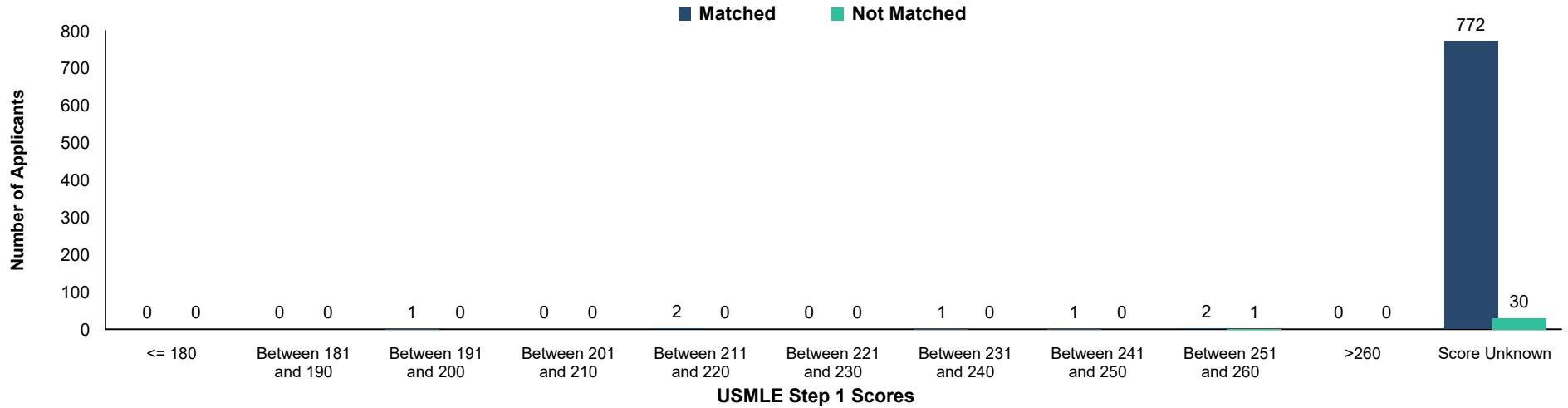
**Probability of U.S. DO Seniors Matching to Preferred Specialty by COMLEX-USA Level 2 Score**  
*Emergency Medicine*



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

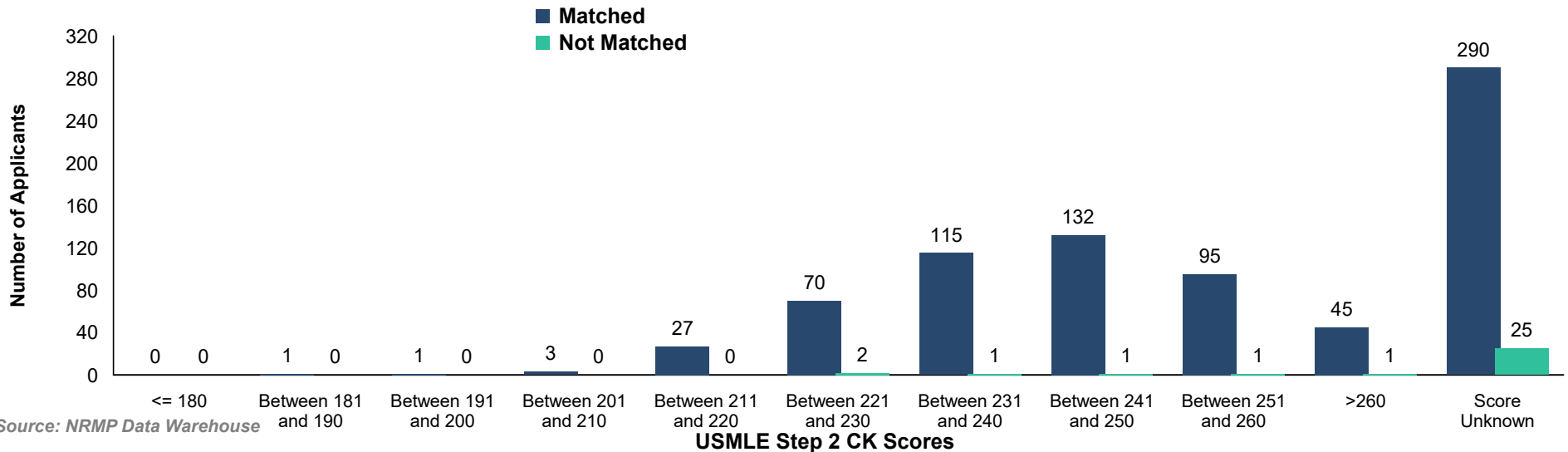
**Chart  
EM-5**

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



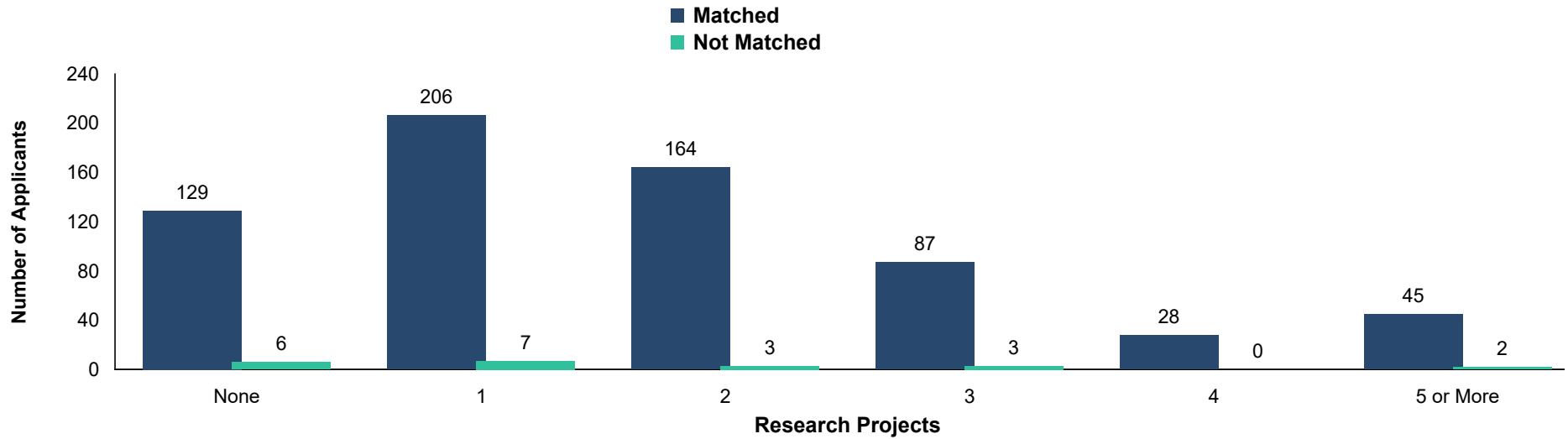
**Chart  
EM-6**

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

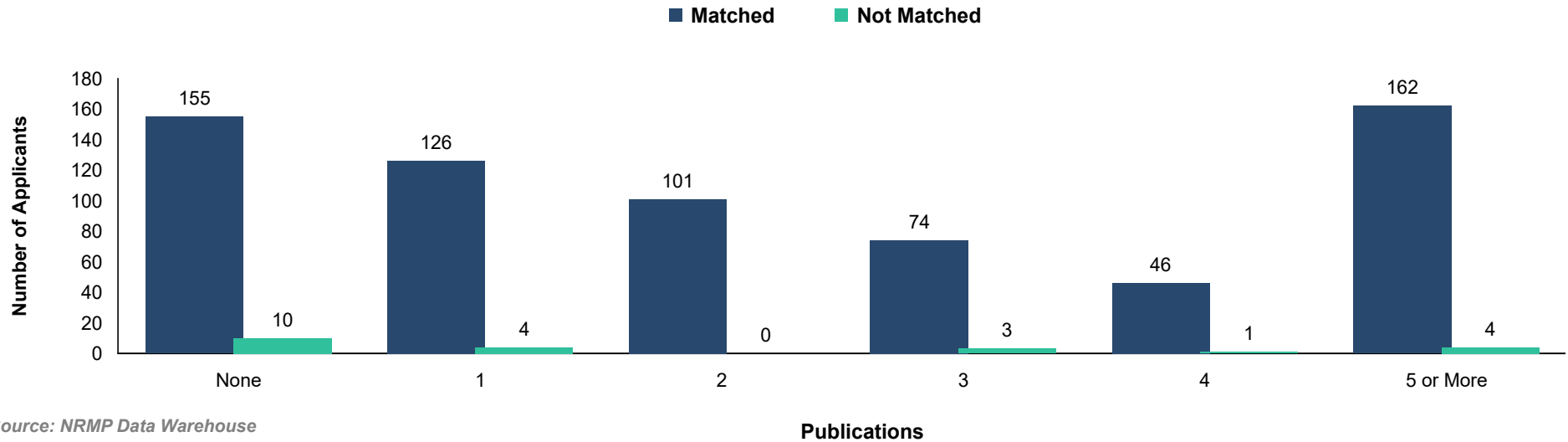


Source: NRMP Data Warehouse

**Chart EM-7** Number of Research Projects of U.S. DO Seniors  
*Emergency Medicine*

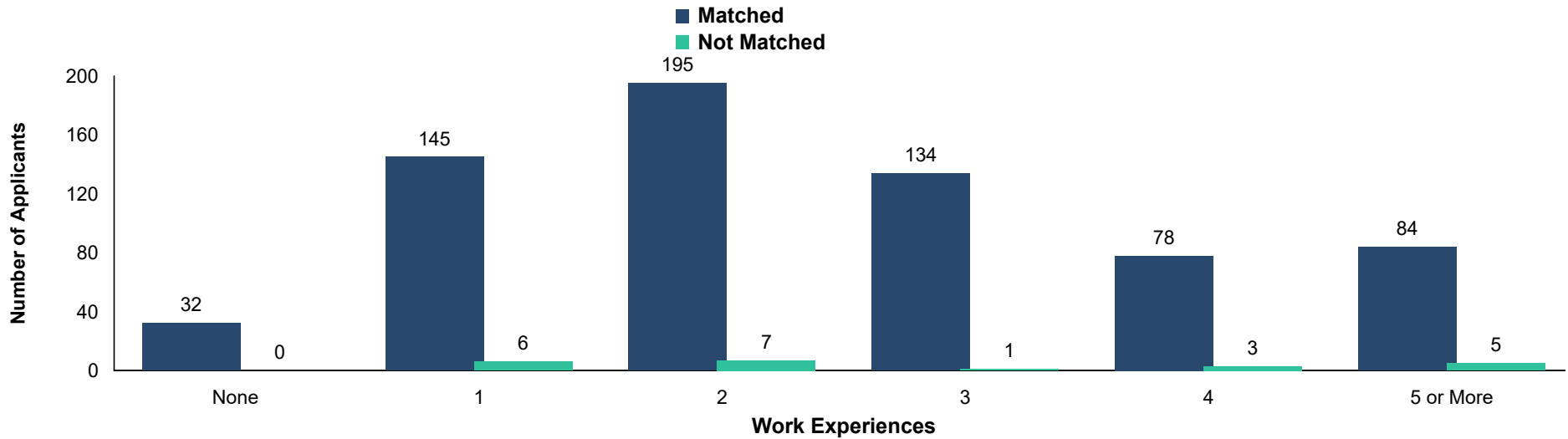


**Chart EM-8** Number of Abstracts, Presentations, and Publications of U.S. DO Seniors  
*Emergency Medicine*

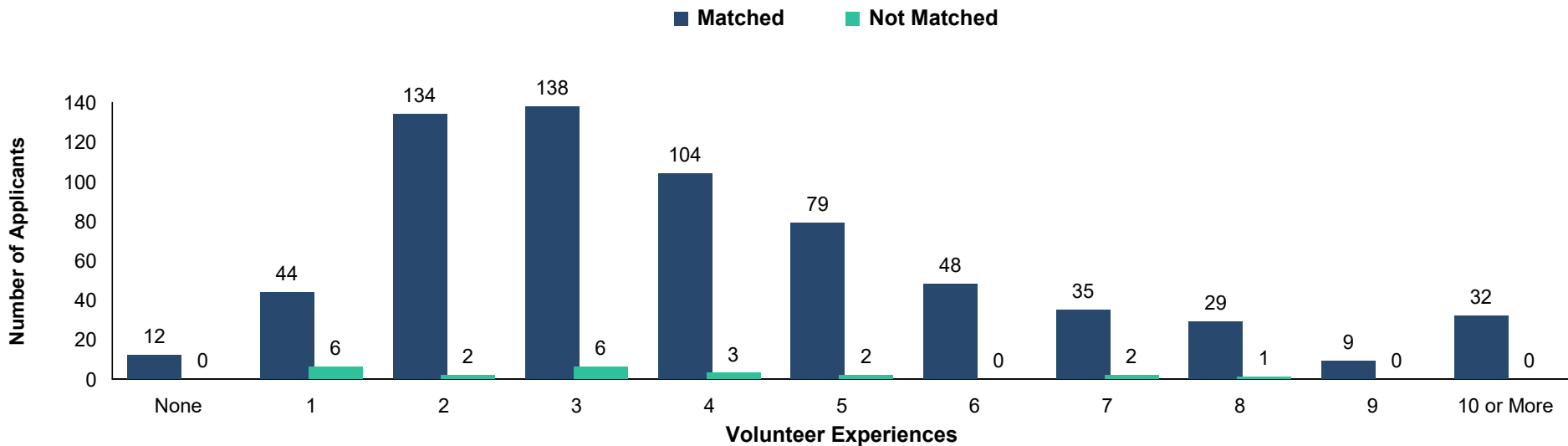


Source: NRMP Data Warehouse

**Chart EM-9** Number of Work Experiences of U.S. DO Seniors  
*Emergency Medicine*



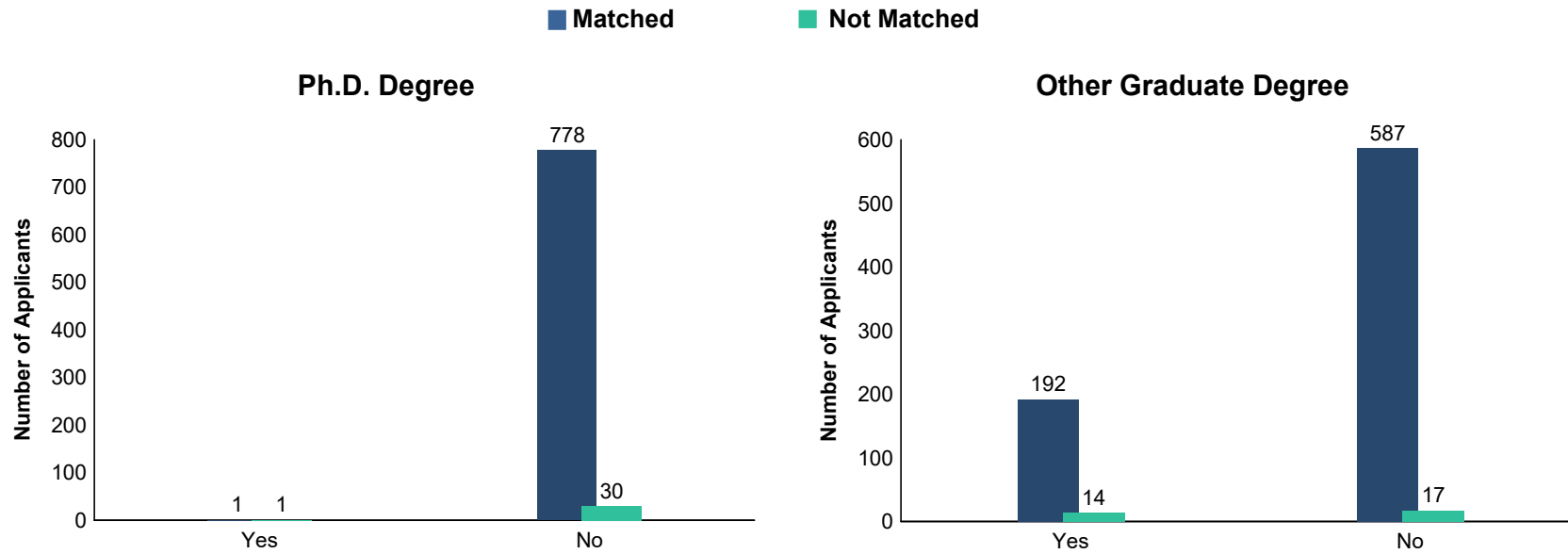
**Chart EM-10** Number of Volunteer Experiences of U.S. DO Seniors  
*Emergency Medicine*



Source: NRMP Data Warehouse

**Chart  
EM-11**

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



Source: NRMP Data Warehouse.

**FM**

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## **Family Medicine**

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

| Measure                                                      | Matched<br>(n=1,034) | Unmatched<br>(n=20) |
|--------------------------------------------------------------|----------------------|---------------------|
| 1. Mean number of contiguous ranks                           | 13.2                 | 5.2                 |
| 2. Mean number of distinct specialties ranked                | 1.1                  | 1.4                 |
| 3. Mean COMLEX-USA Level 1 score*                            | 476                  | 436                 |
| 4. Mean COMLEX-USA Level 2-CE score                          | 507                  | 481                 |
| 5. Mean USMLE Step 1 score*                                  | 213                  |                     |
| 6. Mean USMLE Step 2 CK score                                | 240                  | 243                 |
| 7. Mean number of research experiences                       | 1.6                  | 1.7                 |
| 8. Mean number of abstracts, presentations, and publications | 2.8                  | 2.3                 |
| 9. Mean number of work experiences                           | 2.2                  | 3.0                 |
| 10. Mean number of volunteer experiences                     | 4.4                  | 3.4                 |
| 11. Percentage who have a Ph.D. degree                       | 0.2                  | 0.0                 |
| 12. Percentage who have another graduate degree              | 22.7                 | 21.1                |

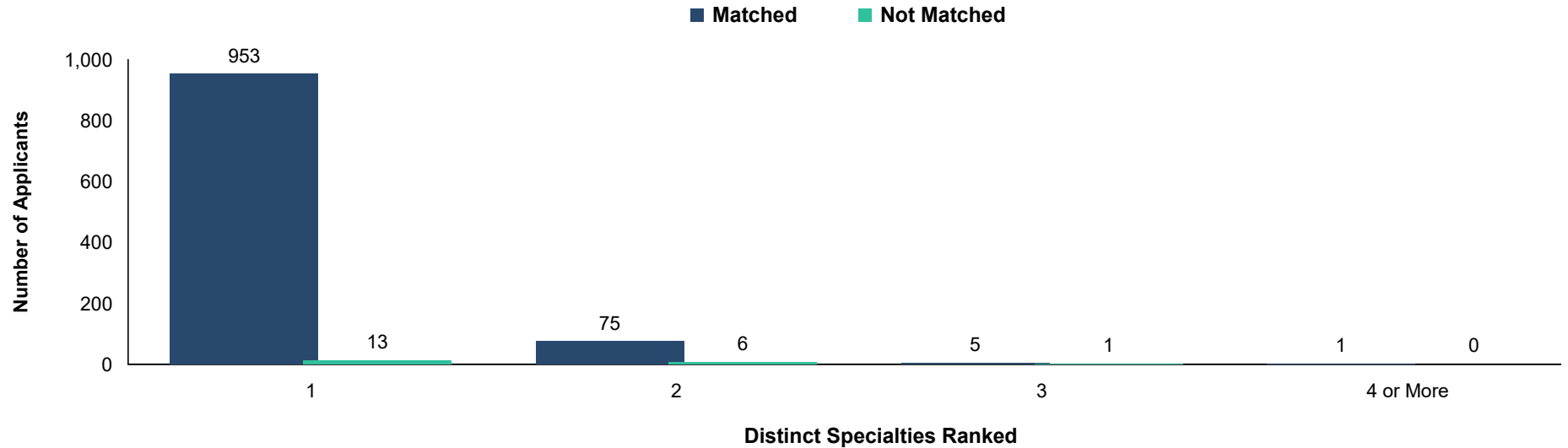
Source: NRMP Data Warehouse.

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

\*Only applicants who indicated completion of the COMLEX Level 1 or USMLE Step 1 exams prior to the transition to pass/fail (i.e., prior to May 10, 2022 for Level 1, January 26, 2022 for Step 1) had the option to self-report their numeric scores. In 2024, only 340 U.S. DO seniors self-reported Level 1 numeric scores, while only 123 reported Step 1 numeric scores.

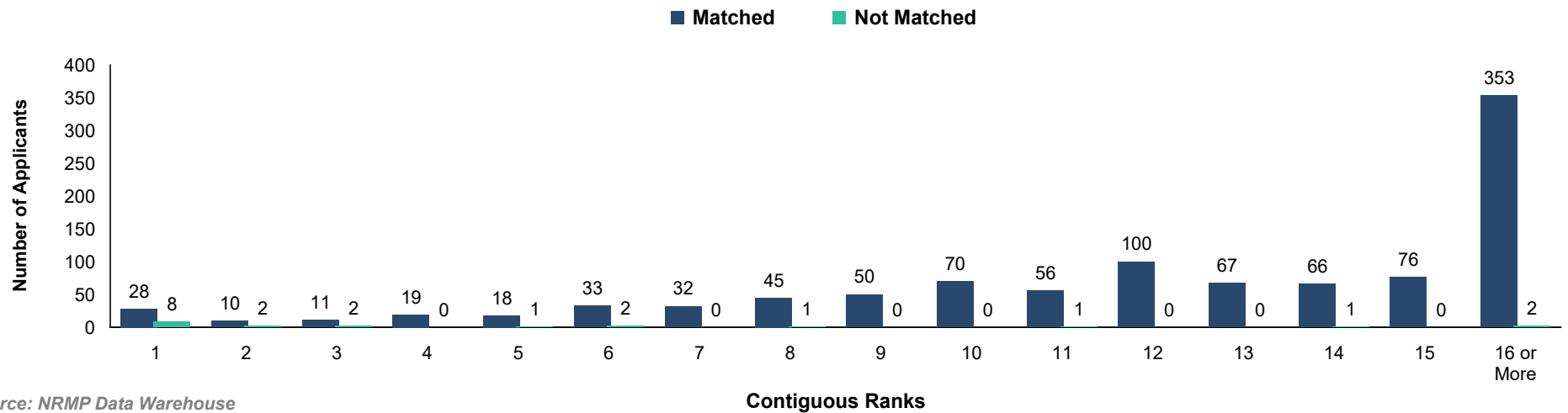
**Chart  
FM-1**

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



**Chart  
FM-2**

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

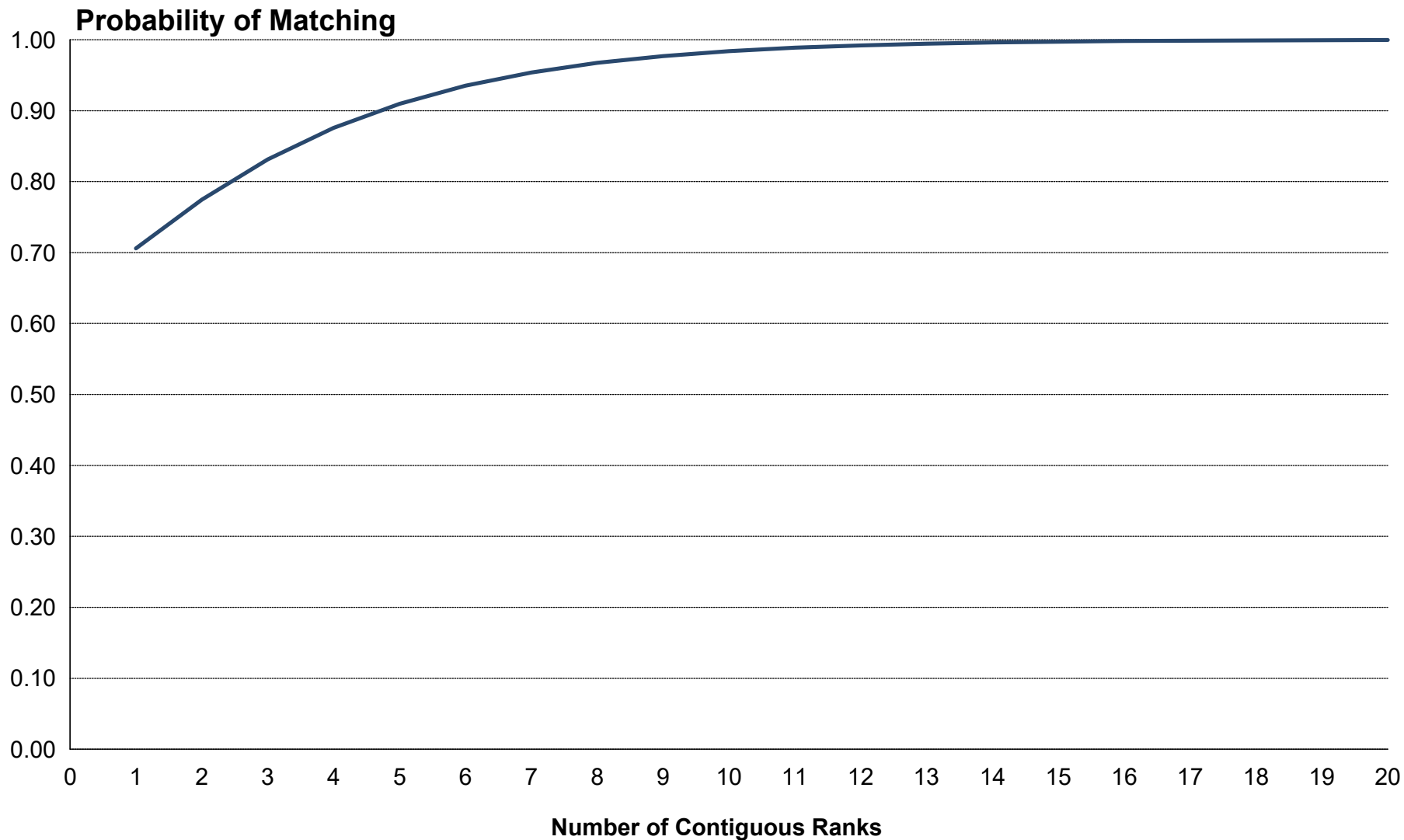


Source: NRMP Data Warehouse



**Graph  
FM-1**

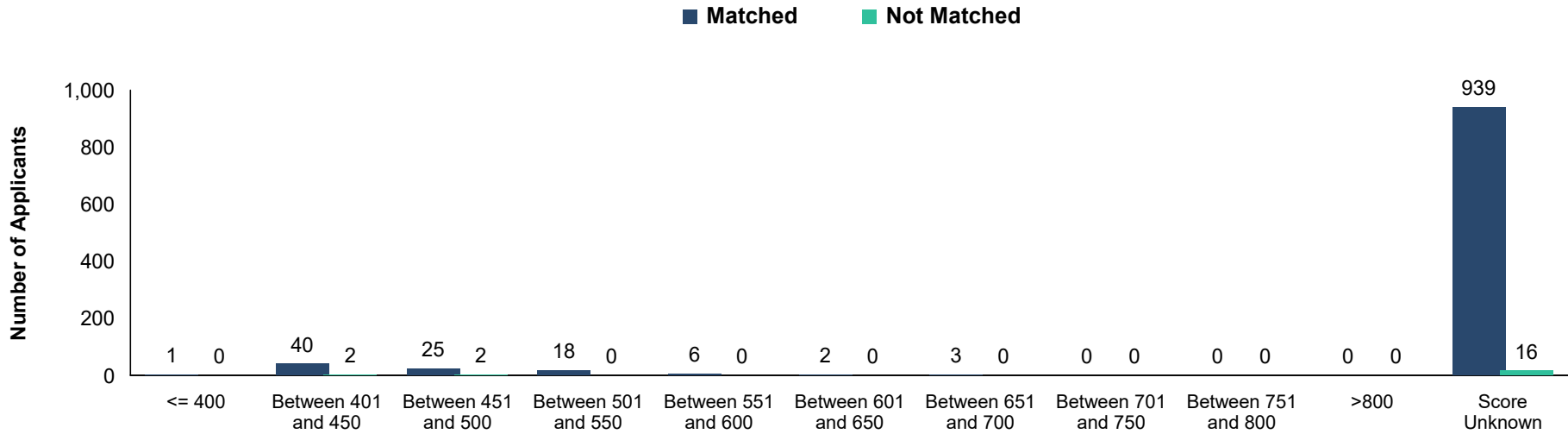
**Probability of U.S. DO Seniors Matching to Preferred Specialty by Number of Contiguous Ranks**  
*Family Medicine*



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

**Chart  
FM-3**

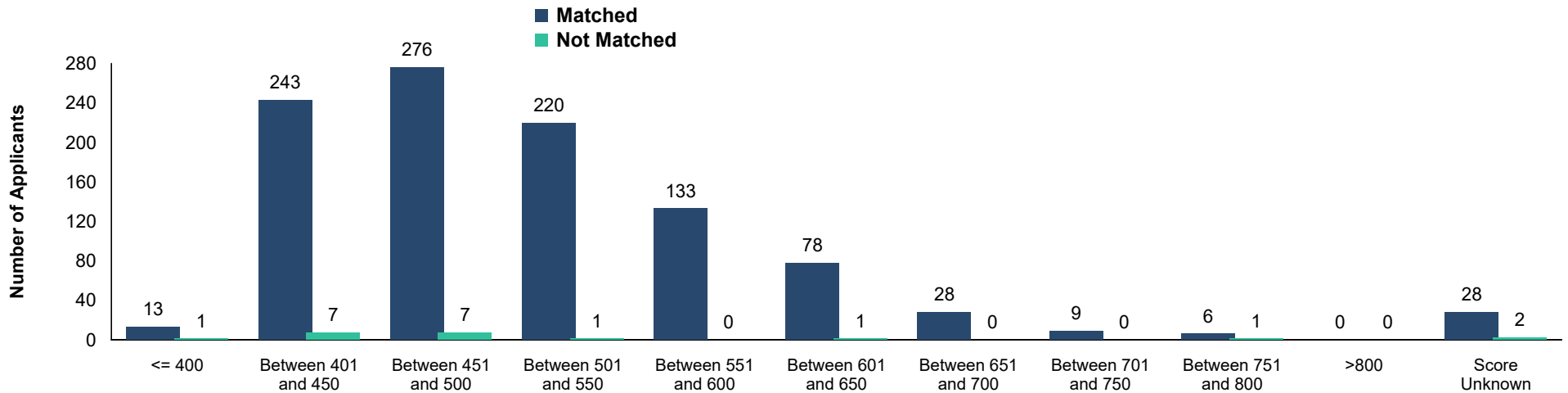
**COMLEX-USA Level 1 Scores of U.S. DO Seniors  
Family Medicine**



COMLEX-USA Level 1 Scores

**Chart  
FM-4**

**COMLEX-USA Level 2-CE Scores of U.S. DO Seniors  
Family Medicine**

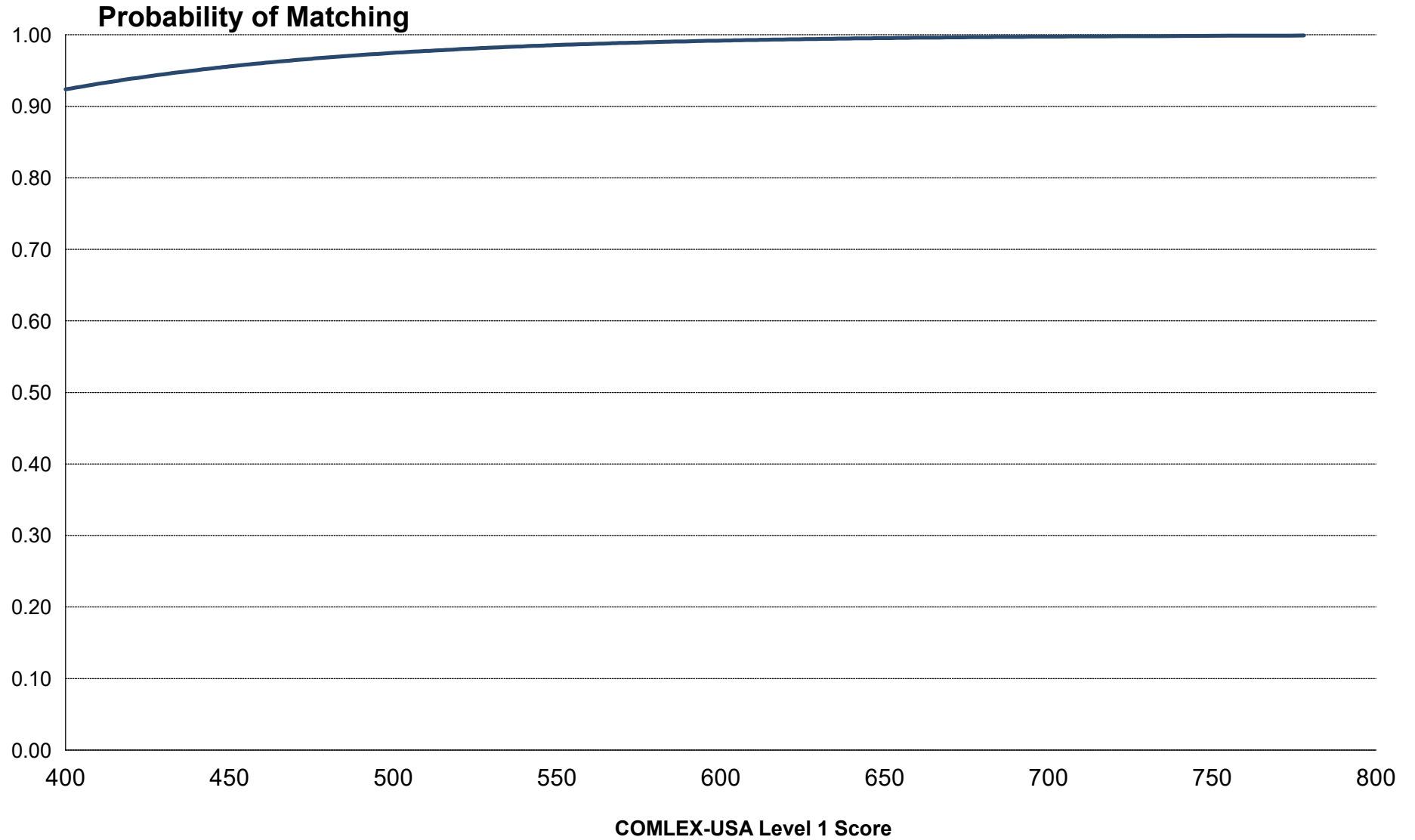


COMLEX-USA Level 2-CE Scores

Source: NRMP Data Warehouse

**Graph  
FM-2**

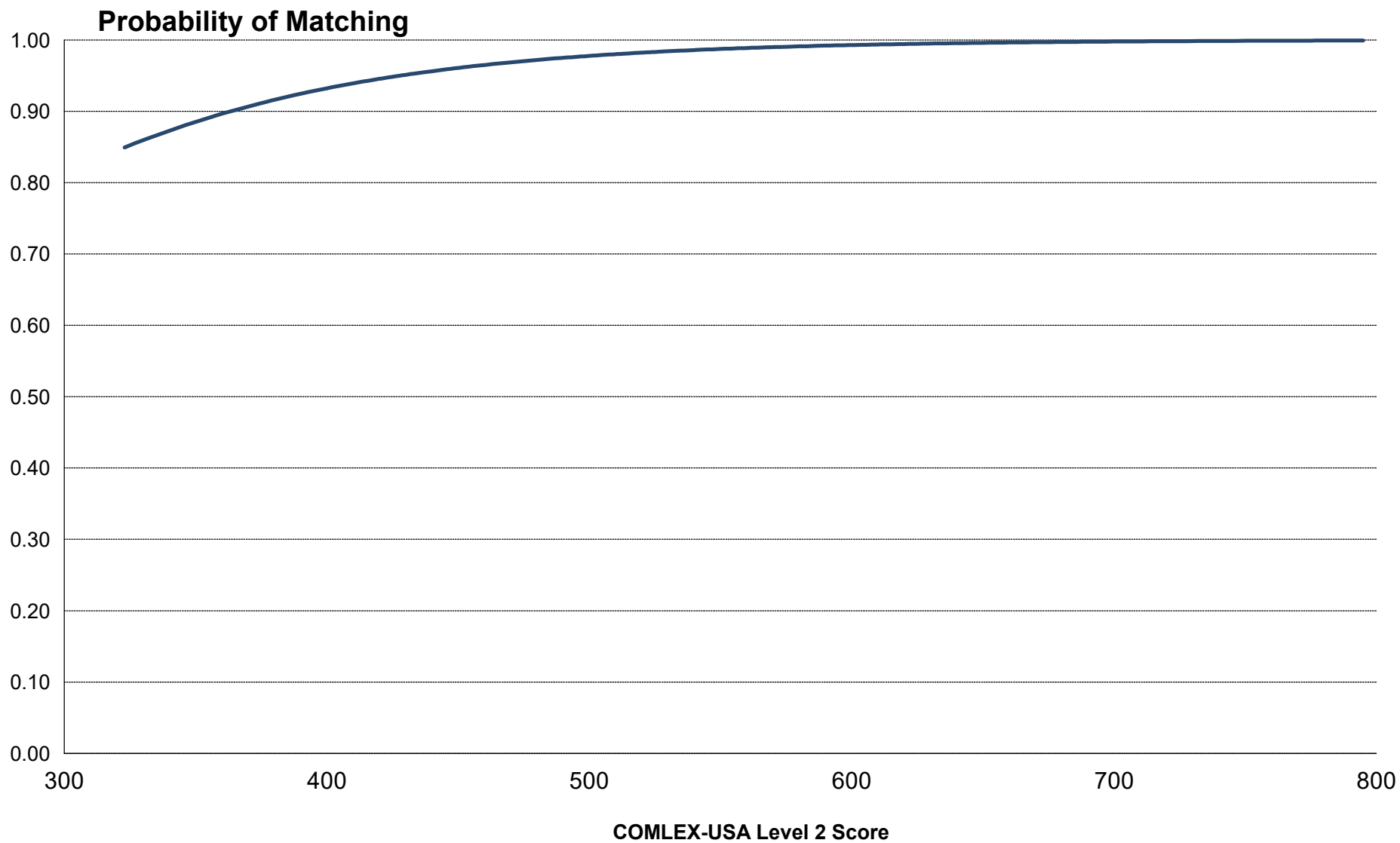
**Probability of U.S. DO Seniors Matching to Preferred Specialty by COMLEX-USA Level 1 Score**  
*Family Medicine*



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

**Graph  
FM-3**

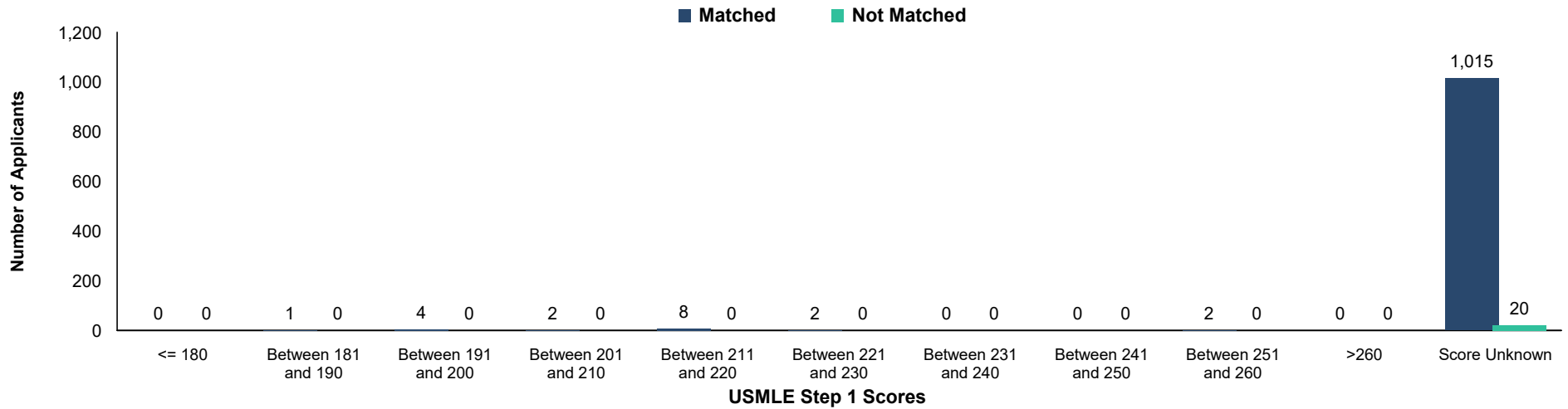
**Probability of U.S. DO Seniors Matching to Preferred Specialty by COMLEX-USA Level 2 Score**  
*Family Medicine*



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

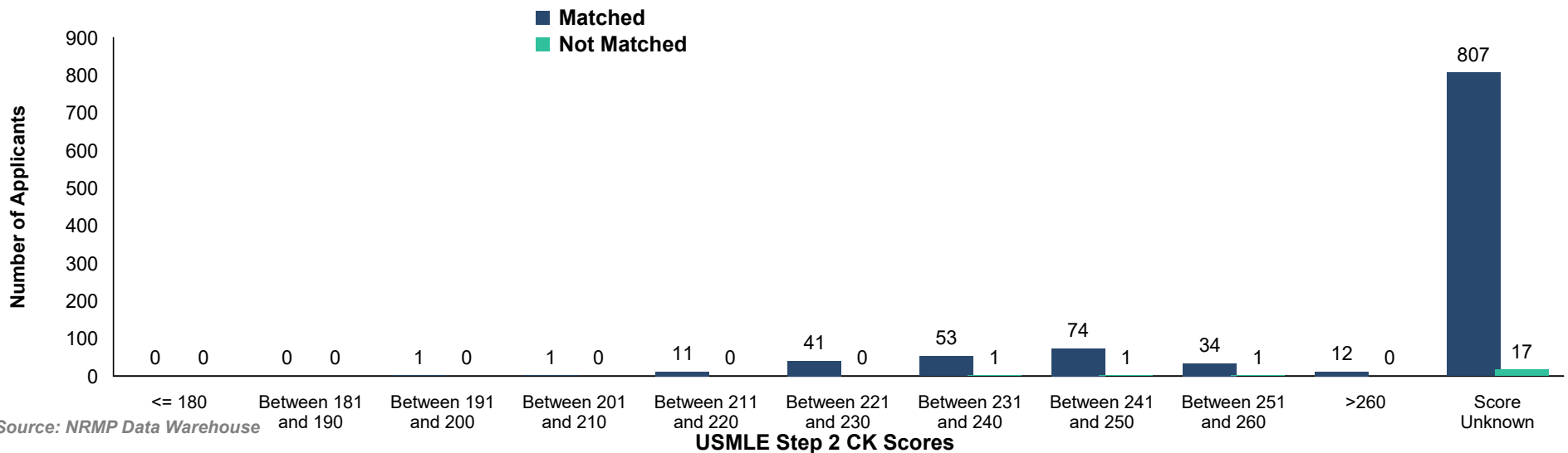
**Chart  
FM-5**

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



**Chart  
FM-6**

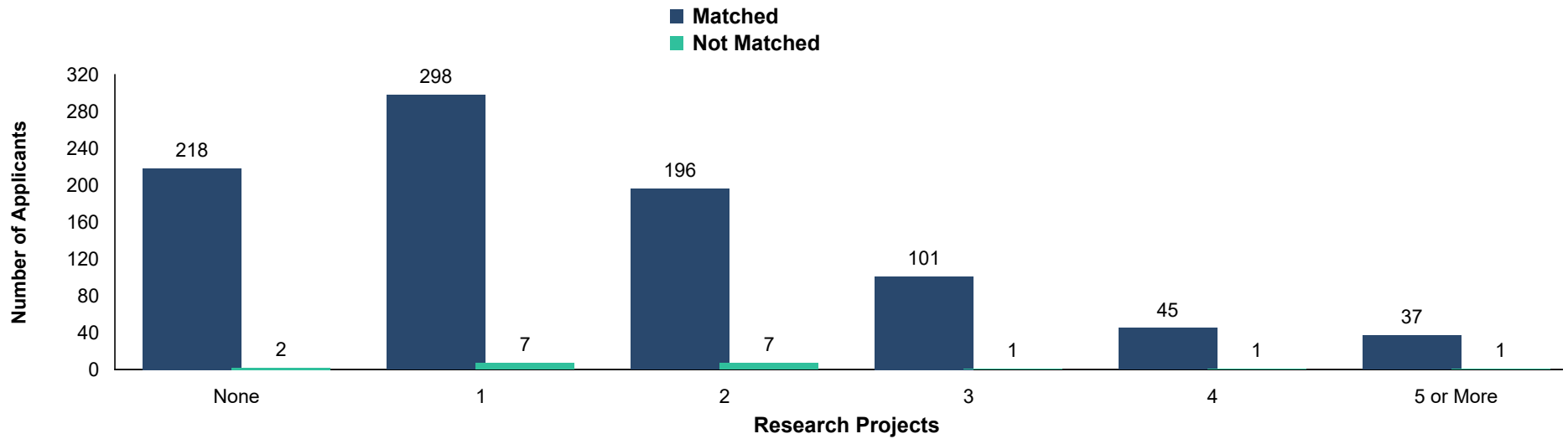
**USMLE Step 2 CK Scores of U.S. DO Seniors  
Family Medicine**



Source: NRMP Data Warehouse

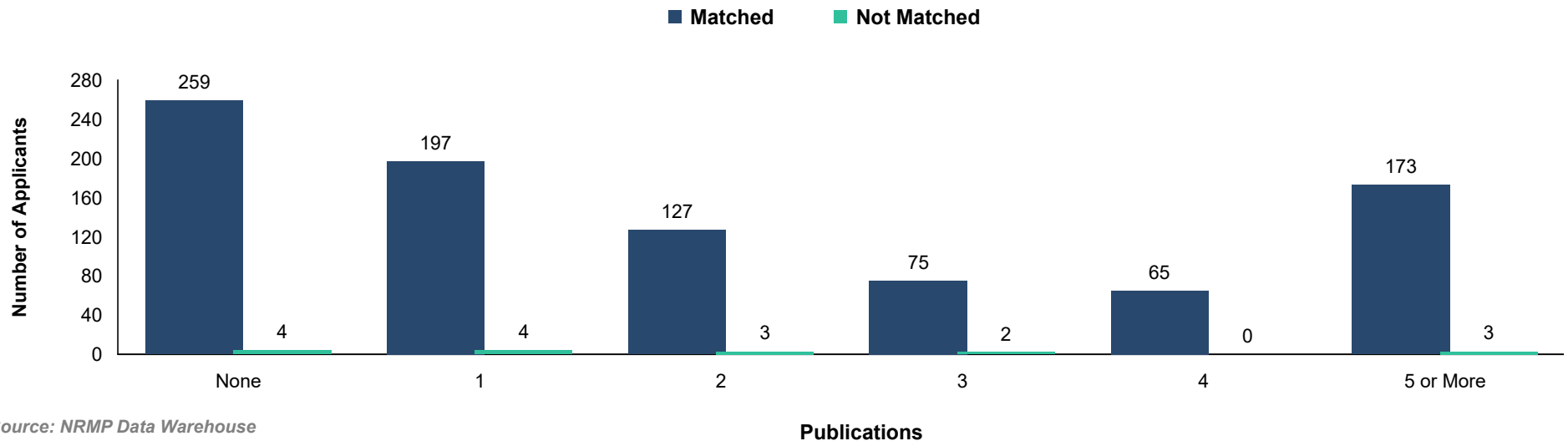
**Chart FM-7**

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



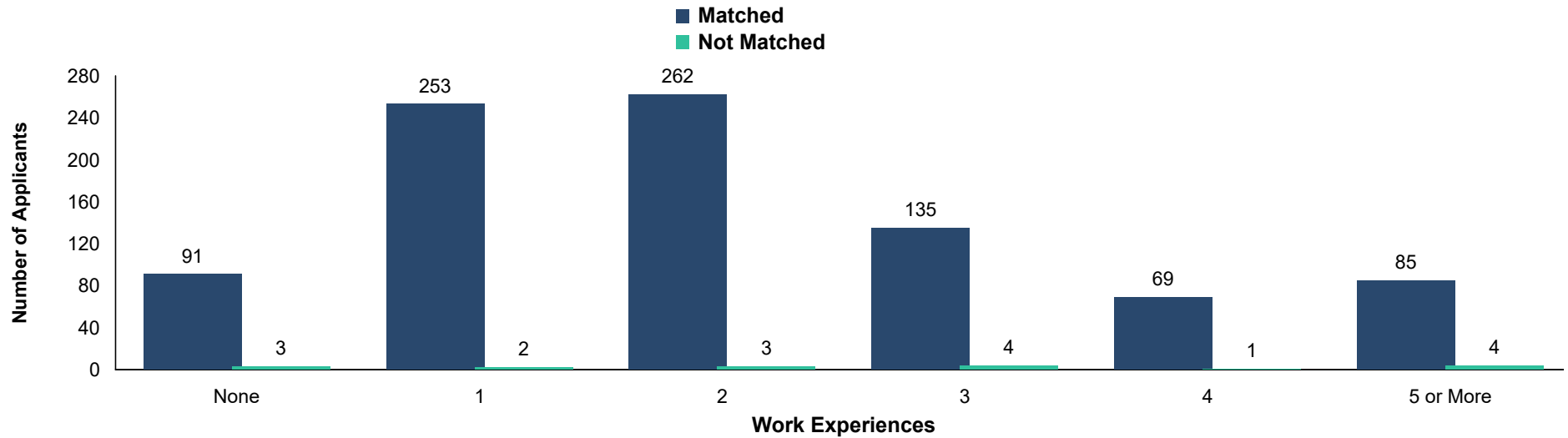
**Chart FM-8**

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

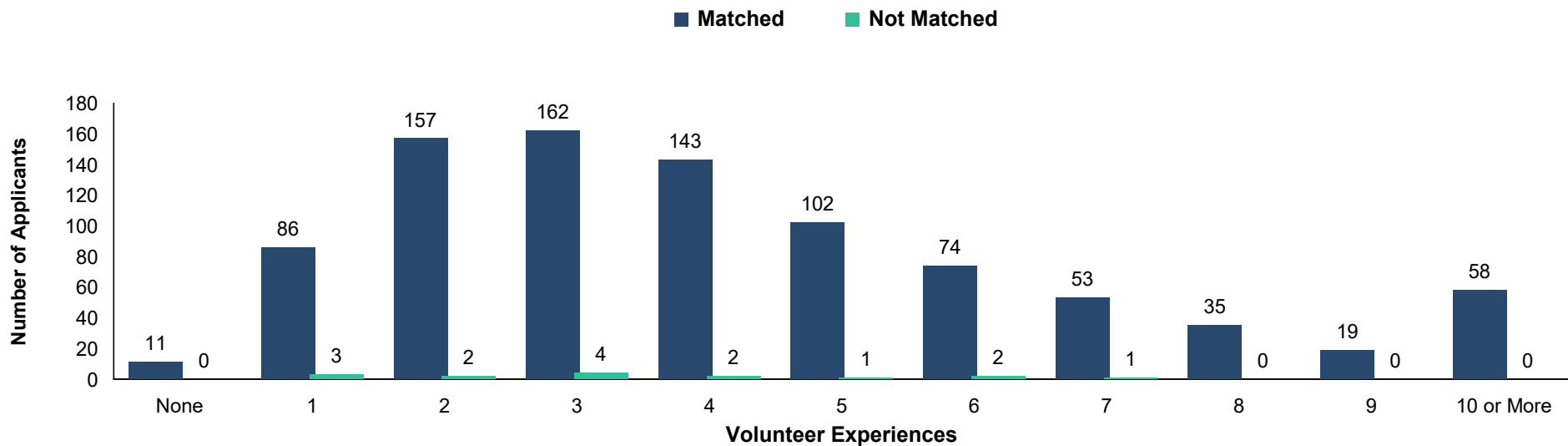


Source: NRMP Data Warehouse

**Chart FM-9** Number of Work Experiences of U.S. DO Seniors  
*Family Medicine*



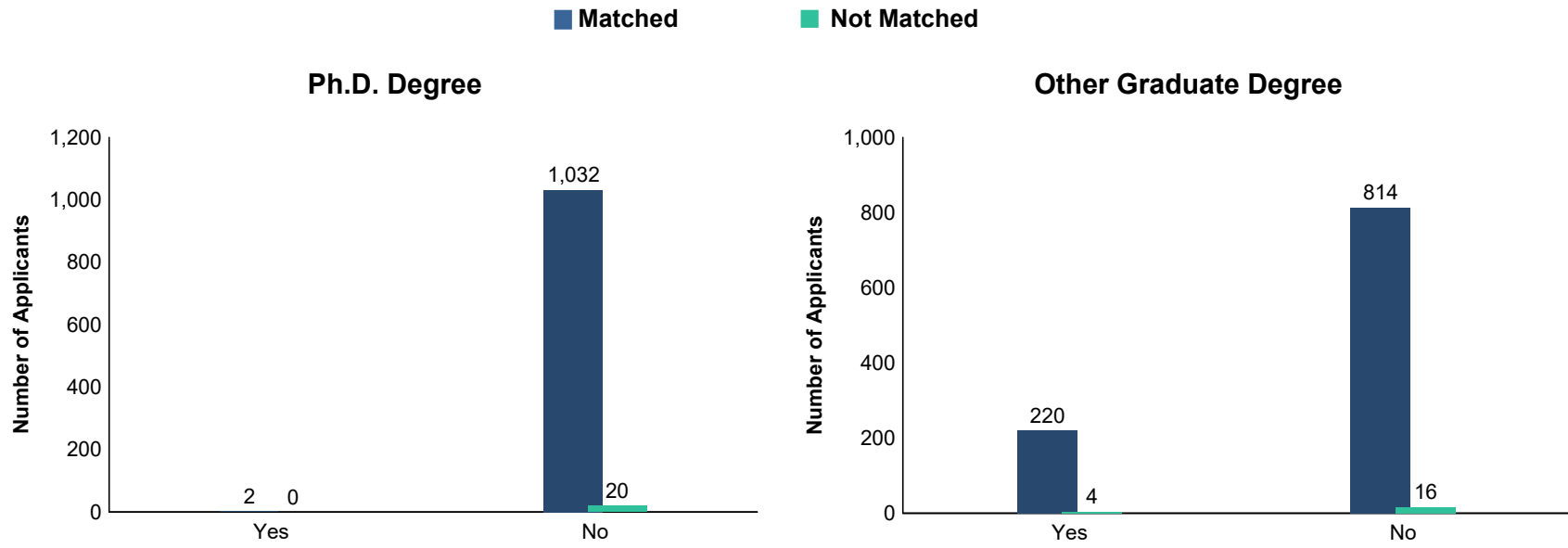
**Chart FM-10** Number of Volunteer Experiences of U.S. DO Seniors  
*Family Medicine*



Source: NRMP Data Warehouse

**Chart  
FM-11**

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



Source: NRMP Data Warehouse.



**GS**

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## **General Surgery**

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

| Measure                                                      | Matched<br>(n=216) | Unmatched<br>(n=86) |
|--------------------------------------------------------------|--------------------|---------------------|
| 1. Mean number of contiguous ranks                           | 10.7               | 4.5                 |
| 2. Mean number of distinct specialties ranked                | 1.2                | 1.4                 |
| 3. Mean COMLEX-USA Level 1 score*                            | 632                | 461                 |
| 4. Mean COMLEX-USA Level 2-CE score                          | 588                | 527                 |
| 5. Mean USMLE Step 1 score*                                  | 241                |                     |
| 6. Mean USMLE Step 2 CK score                                | 248                | 237                 |
| 7. Mean number of research experiences                       | 3.5                | 2.8                 |
| 8. Mean number of abstracts, presentations, and publications | 6.9                | 5.1                 |
| 9. Mean number of work experiences                           | 2.5                | 2.6                 |
| 10. Mean number of volunteer experiences                     | 4.5                | 4.3                 |
| 11. Percentage who have a Ph.D. degree                       | 0.5                | 0.0                 |
| 12. Percentage who have another graduate degree              | 30.7               | 37.0                |

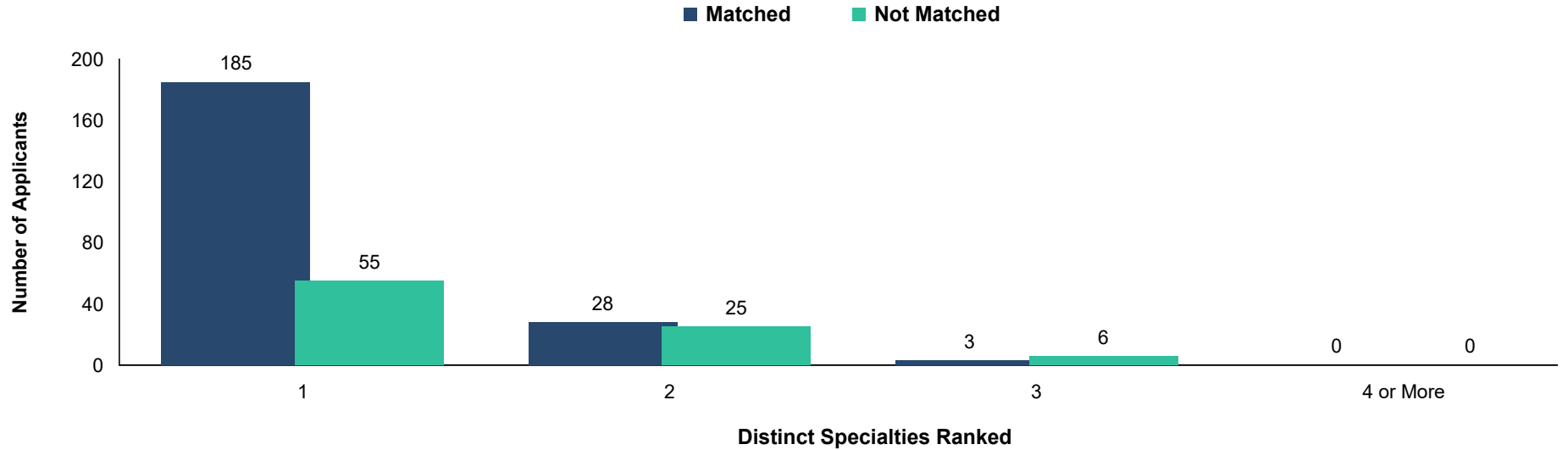
Source: NRMP Data Warehouse.

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

\*Only applicants who indicated completion of the COMLEX Level 1 or USMLE Step 1 exams prior to the transition to pass/fail (i.e., prior to May 10, 2022 for Level 1, January 26, 2022 for Step 1) had the option to self-report their numeric scores. In 2024, only 340 U.S. DO seniors self-reported Level 1 numeric scores, while only 123 reported Step 1 numeric scores.

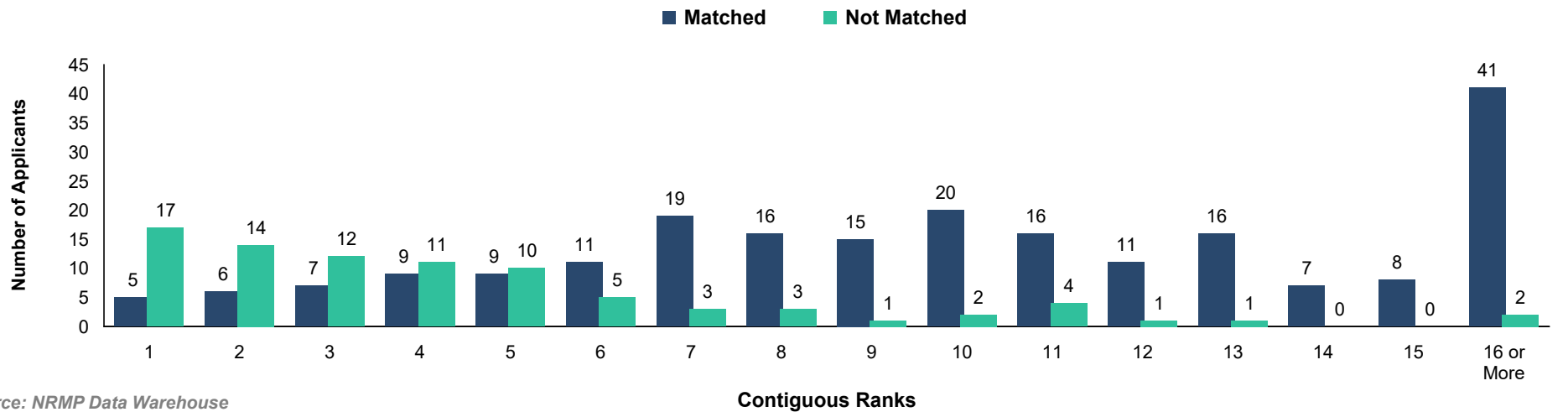
**Chart  
GS-1**

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



**Chart  
GS-2**

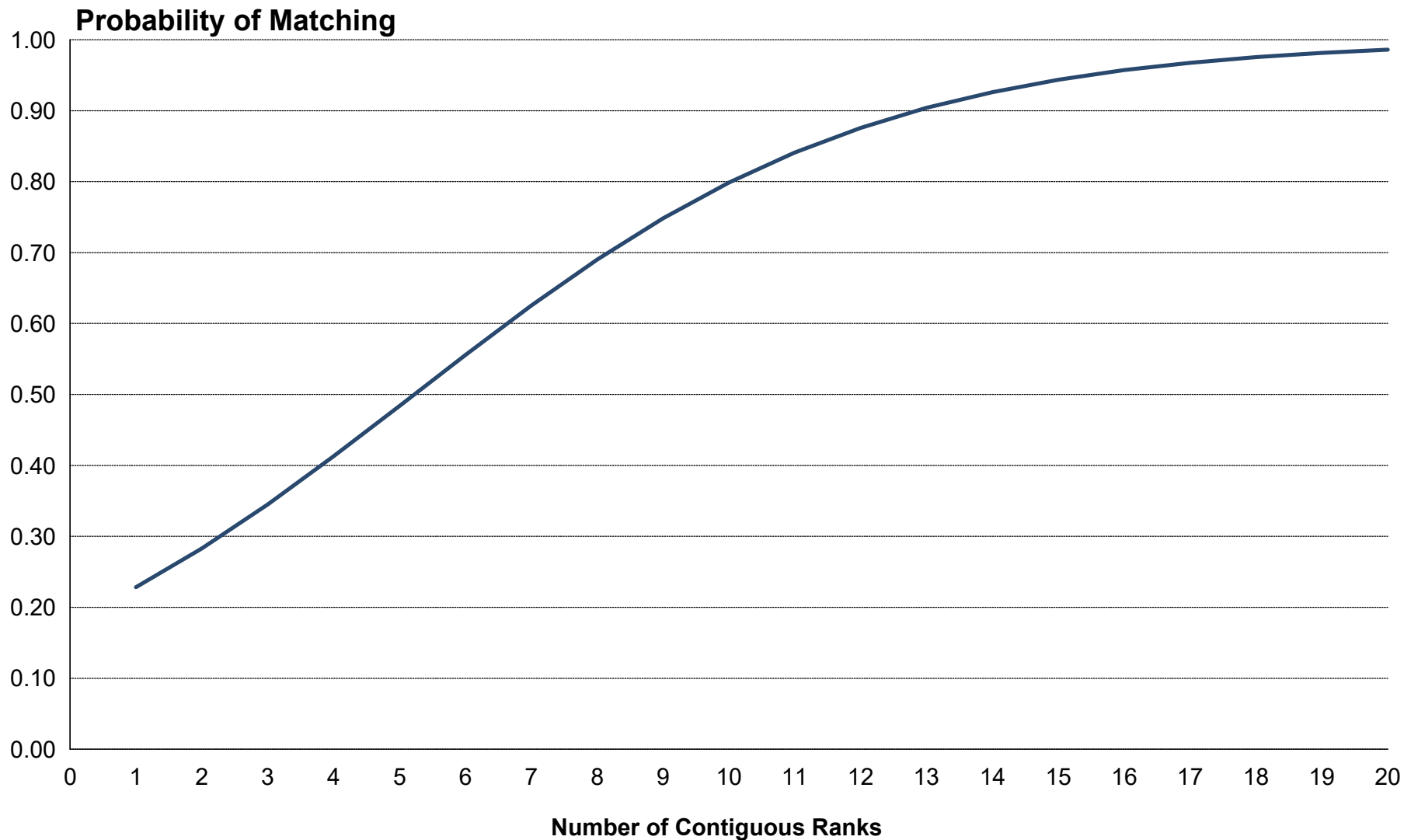
**Number of Contiguous Ranks of U.S. DO Seniors  
General Surgery**



Source: NRMP Data Warehouse

**Graph  
GS-1**

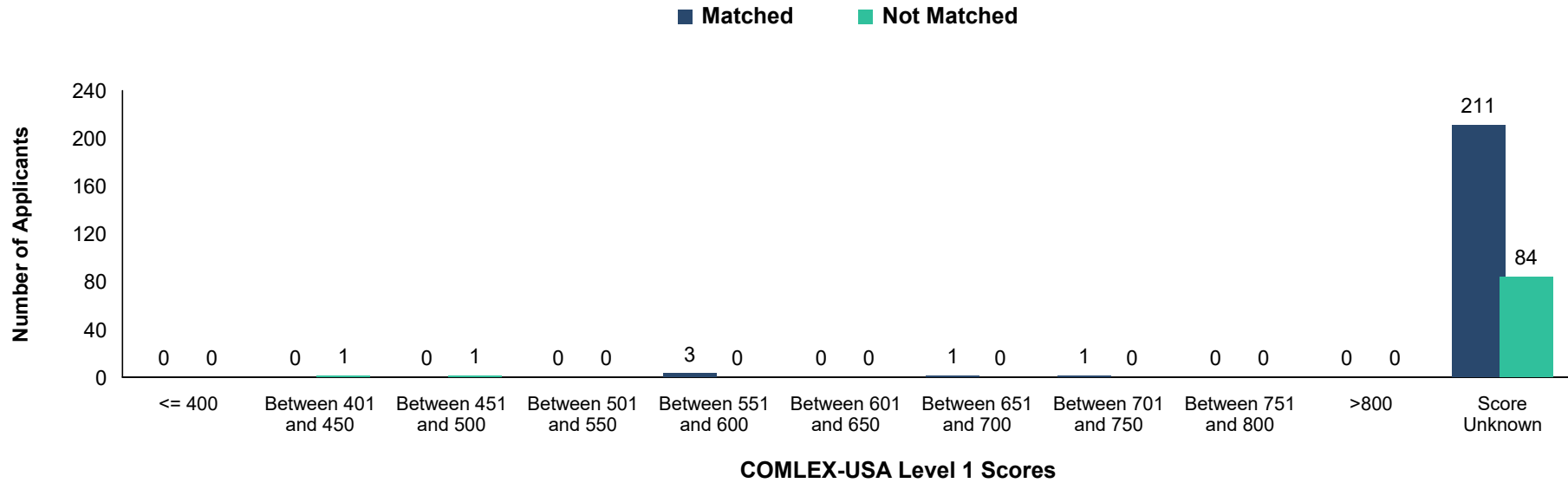
**Probability of U.S. DO Seniors Matching to Preferred Specialty by Number of Contiguous Ranks**  
*General Surgery*



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

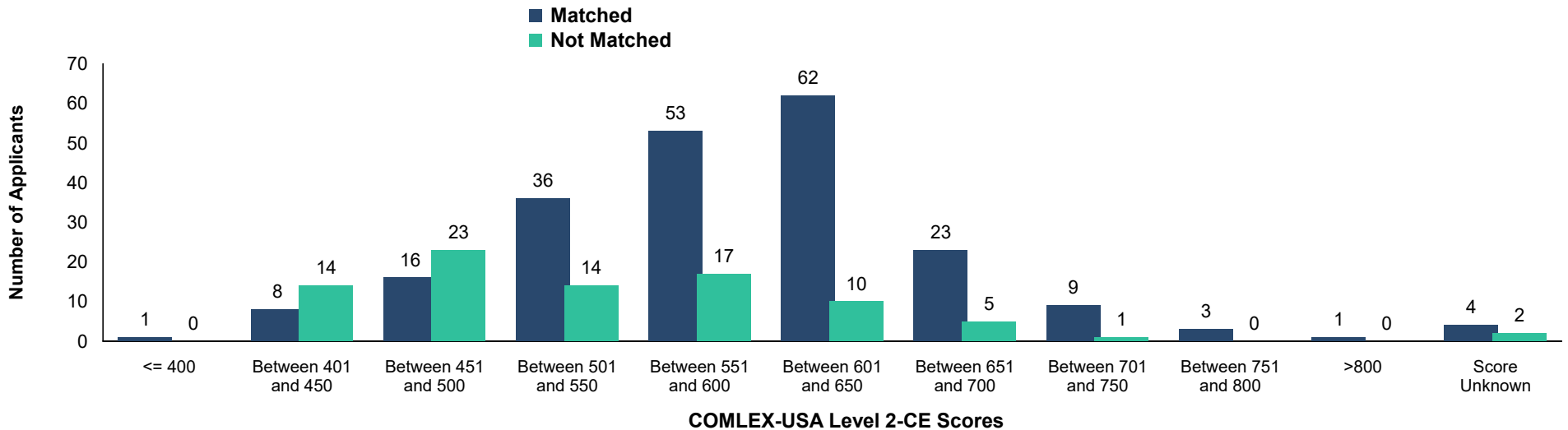
**Chart  
GS-3**

**COMLEX-USA Level 1 Scores of U.S. DO Seniors  
General Surgery**



**Chart  
GS-4**

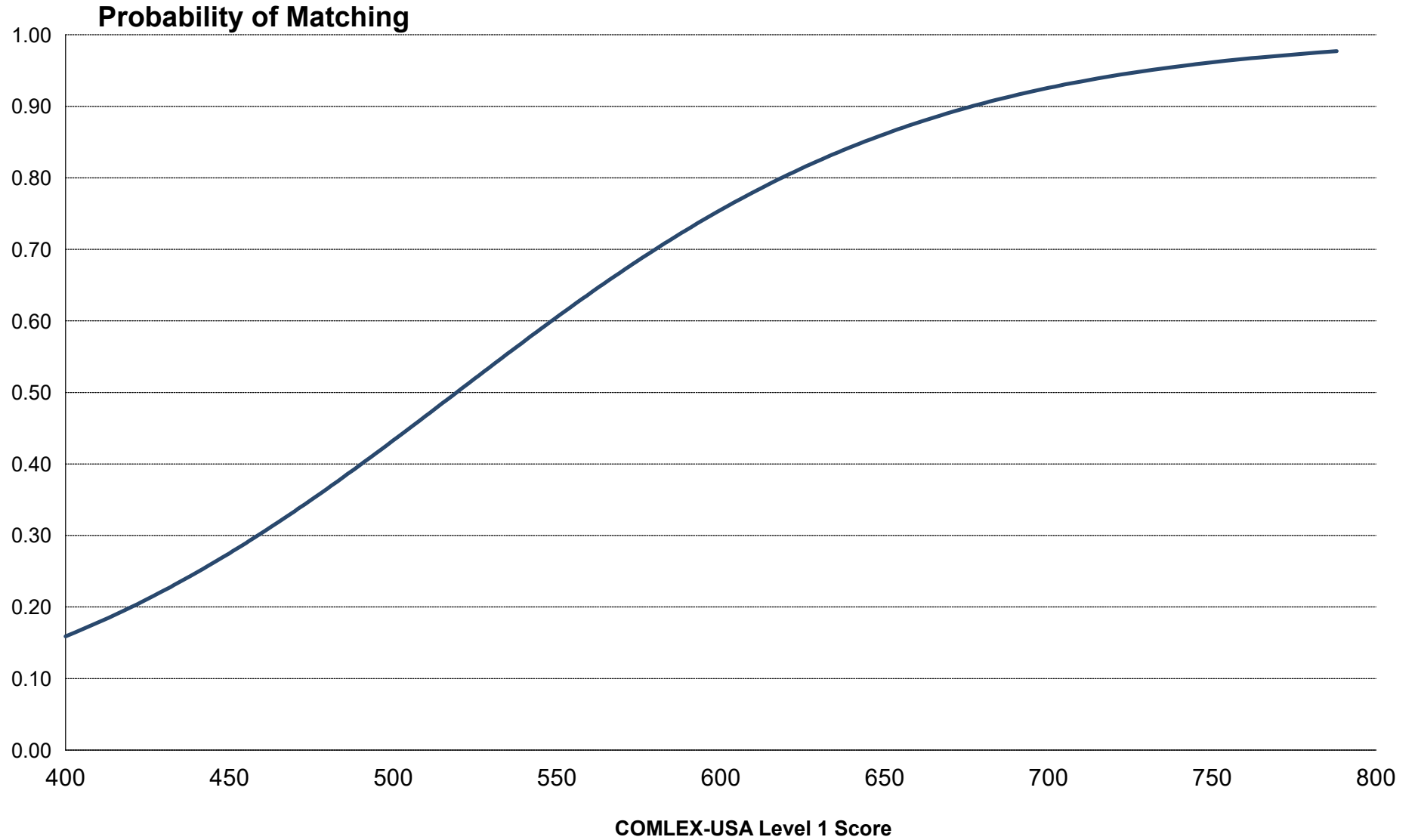
**COMLEX-USA Level 2-CE Scores of U.S. DO Seniors  
General Surgery**



Source: NRMP Data Warehouse

**Graph  
GS-2**

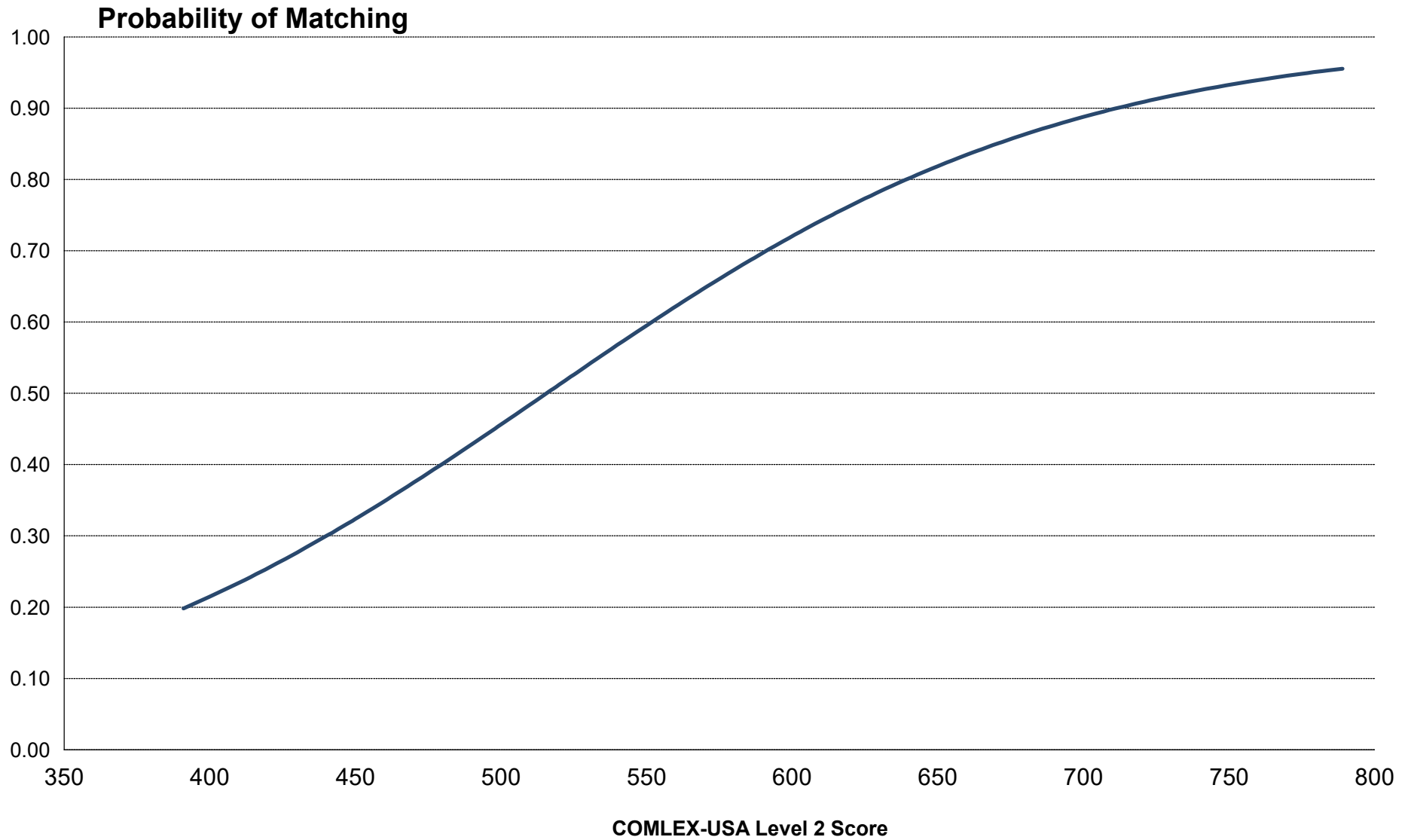
**Probability of U.S. DO Seniors Matching to Preferred Specialty by COMLEX-USA Level 1 Score**  
*General Surgery*



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

**Graph  
GS-3**

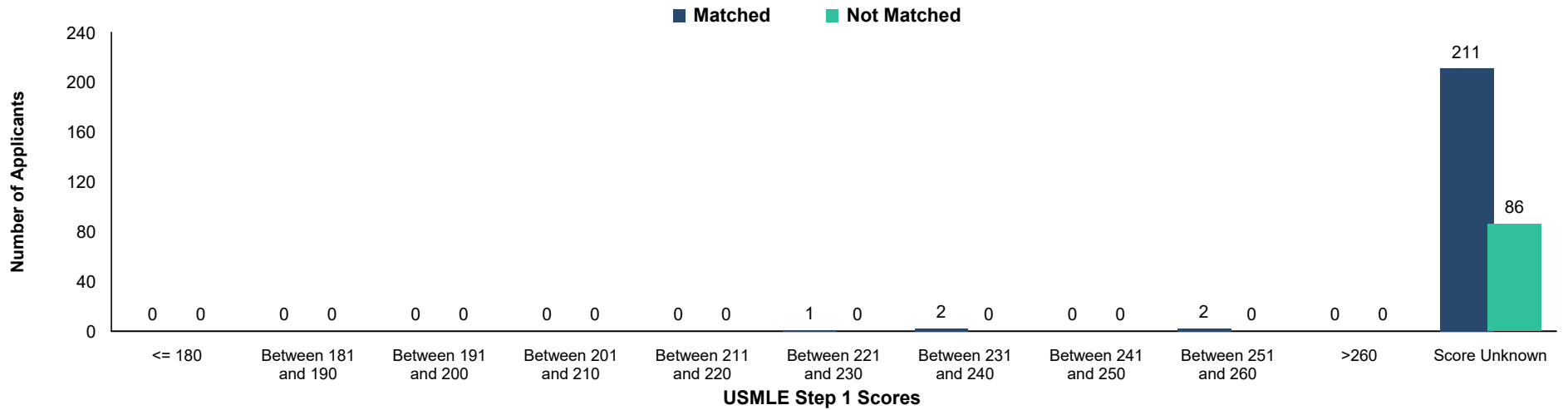
**Probability of U.S. DO Seniors Matching to Preferred Specialty by COMLEX-USA Level 2 Score**  
*General Surgery*



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

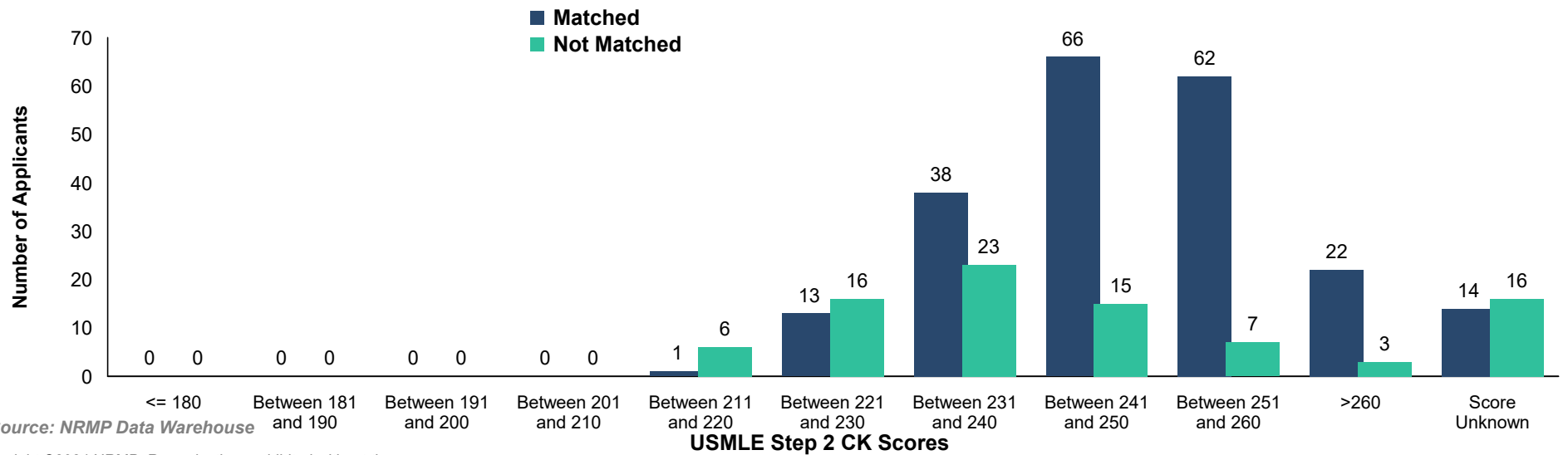
**Chart  
GS-5**

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



**Chart  
GS-6**

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

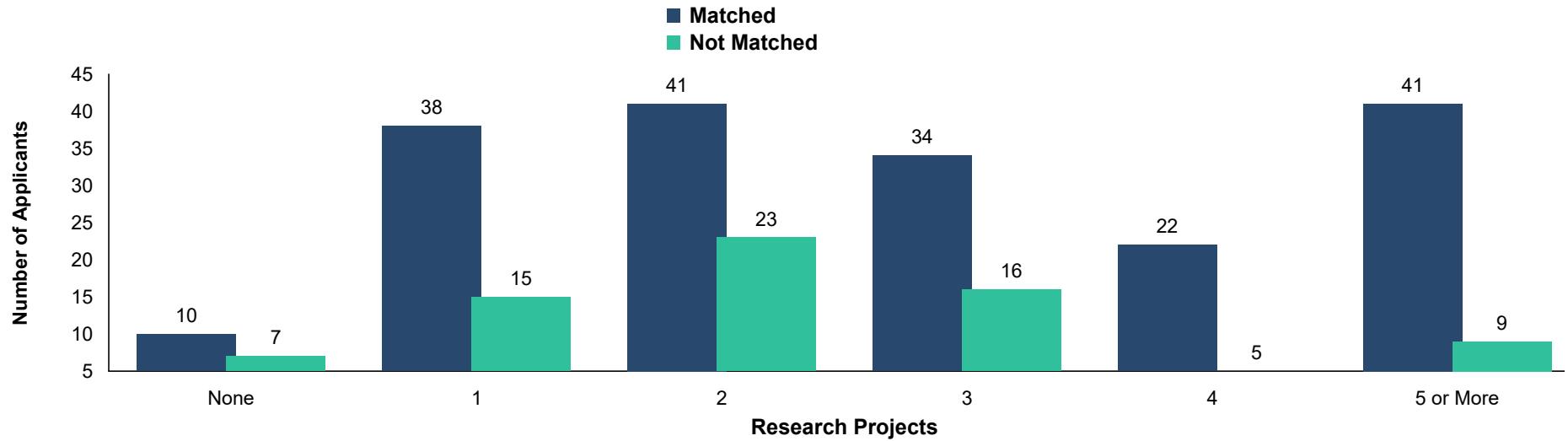


Source: NRMP Data Warehouse



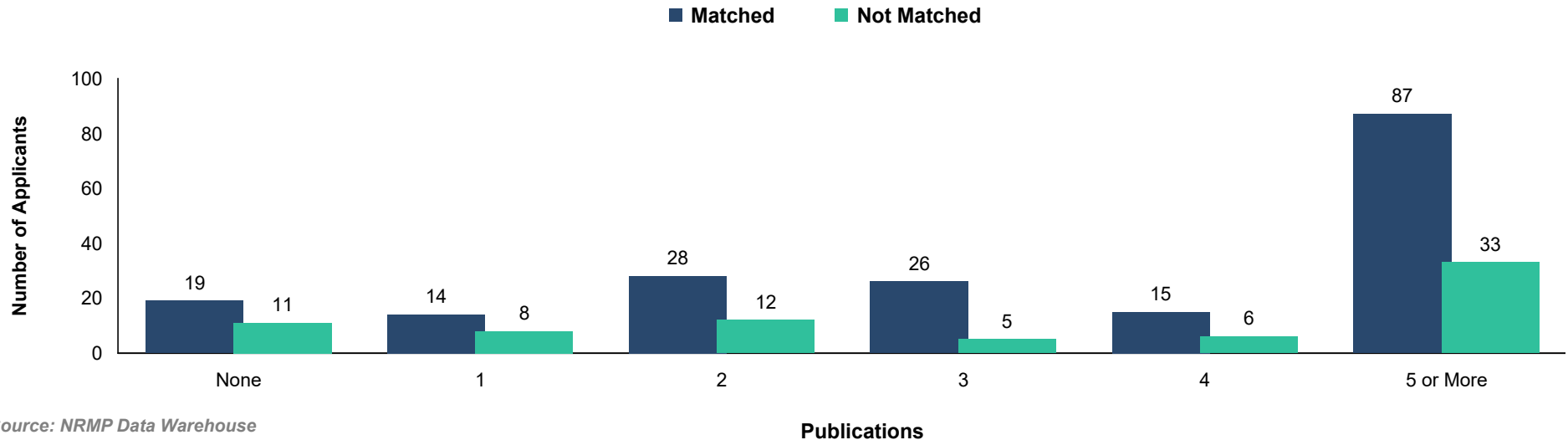
**Chart  
GS-7**

### Number of Research Projects of U.S. DO Seniors *General Surgery*



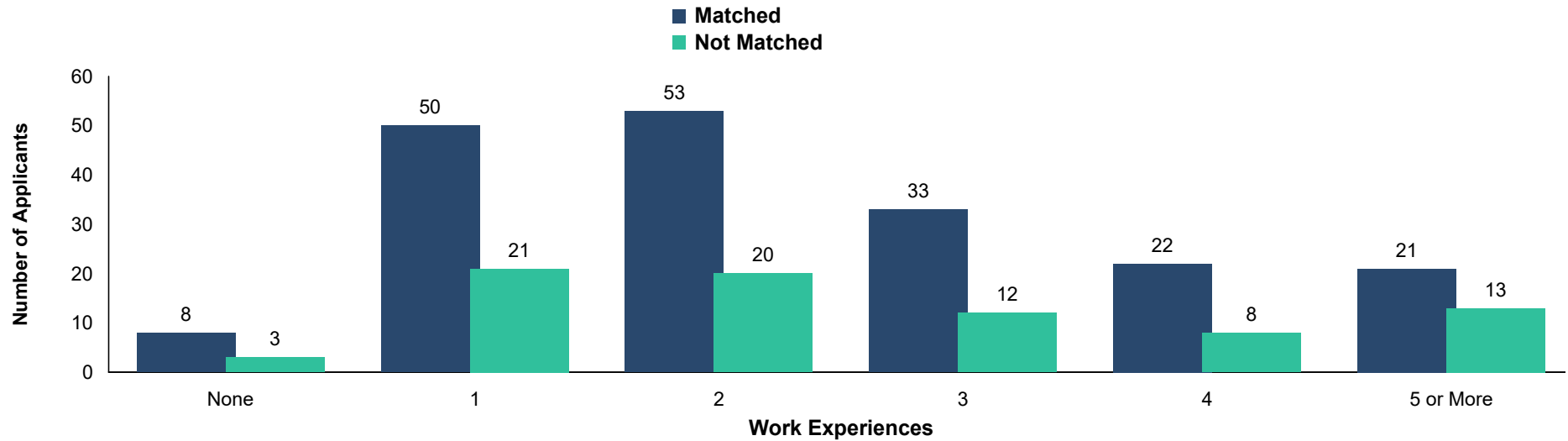
**Chart  
GS-8**

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

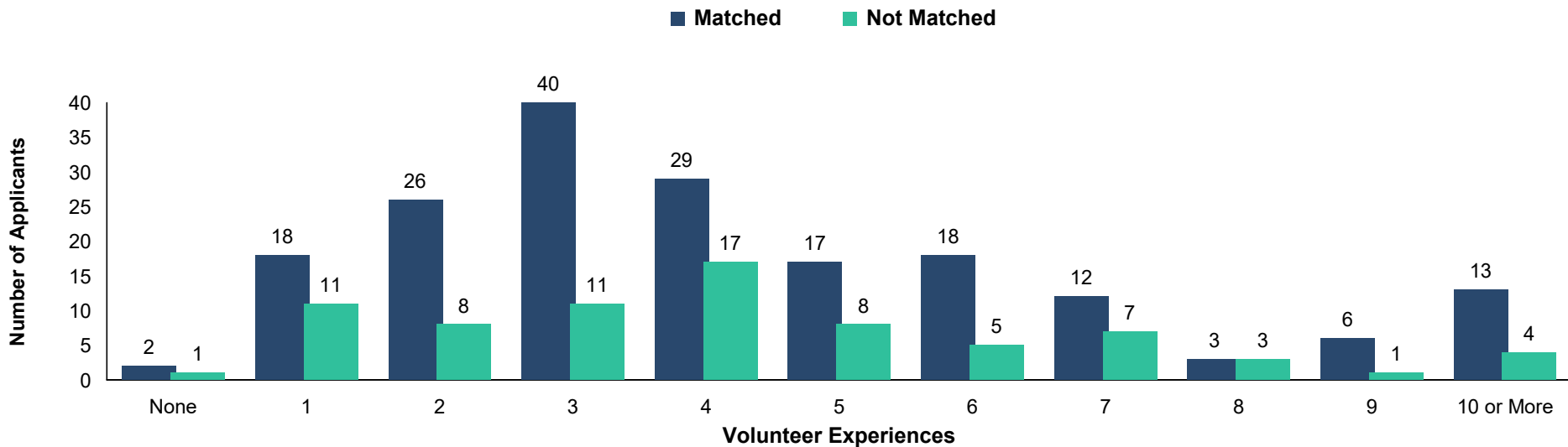


Source: NRMP Data Warehouse

**Chart GS-9** Number of Work Experiences of U.S. DO Seniors  
*General Surgery*



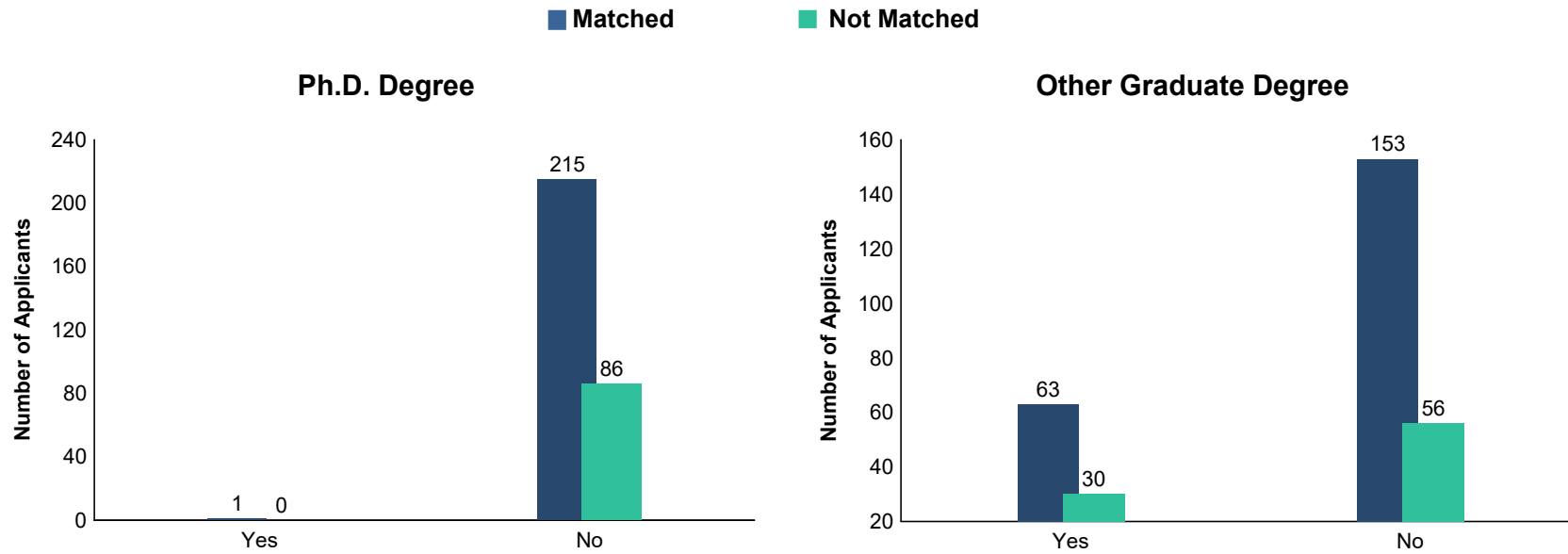
**Chart GS-10** Number of Volunteer Experiences of U.S. DO Seniors  
*General Surgery*



Source: NRMP Data Warehouse

**Chart  
GS-11**

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



Source: NRMP Data Warehouse.

**IM**

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## **Internal Medicine**

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

| Measure                                                      | Matched<br>(n=1,326) | Unmatched<br>(n=67) |
|--------------------------------------------------------------|----------------------|---------------------|
| 1. Mean number of contiguous ranks                           | 12.5                 | 3.7                 |
| 2. Mean number of distinct specialties ranked                | 1.1                  | 1.3                 |
| 3. Mean COMLEX-USA Level 1 score*                            | 504                  | 459                 |
| 4. Mean COMLEX-USA Level 2-CE score                          | 542                  | 448                 |
| 5. Mean USMLE Step 1 score*                                  | 221                  | 220                 |
| 6. Mean USMLE Step 2 CK score                                | 242                  | 220                 |
| 7. Mean number of research experiences                       | 2.7                  | 3.1                 |
| 8. Mean number of abstracts, presentations, and publications | 4.1                  | 3.8                 |
| 9. Mean number of work experiences                           | 2.1                  | 2.3                 |
| 10. Mean number of volunteer experiences                     | 4.4                  | 3.9                 |
| 11. Percentage who have a Ph.D. degree                       | 0.3                  | 0.0                 |
| 12. Percentage who have another graduate degree              | 23.4                 | 47.4                |

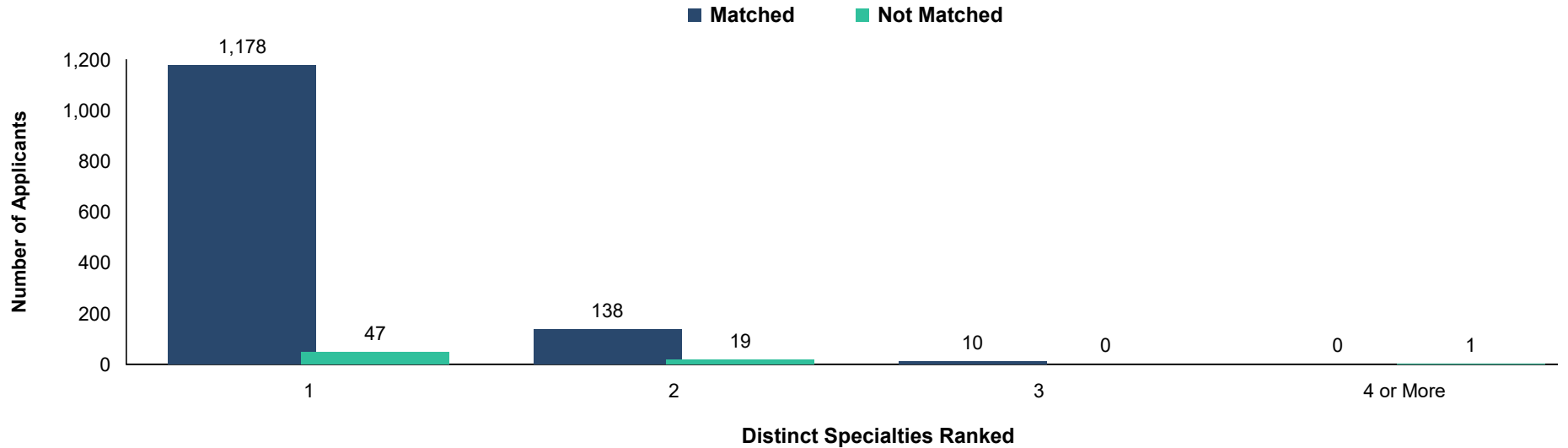
Source: NRMP Data Warehouse.

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

\*Only applicants who indicated completion of the COMLEX Level 1 or USMLE Step 1 exams prior to the transition to pass/fail (i.e., prior to May 10, 2022 for Level 1, January 26, 2022 for Step 1) had the option to self-report their numeric scores. In 2024, only 340 U.S. DO seniors self-reported Level 1 numeric scores, while only 123 reported Step 1 numeric scores.

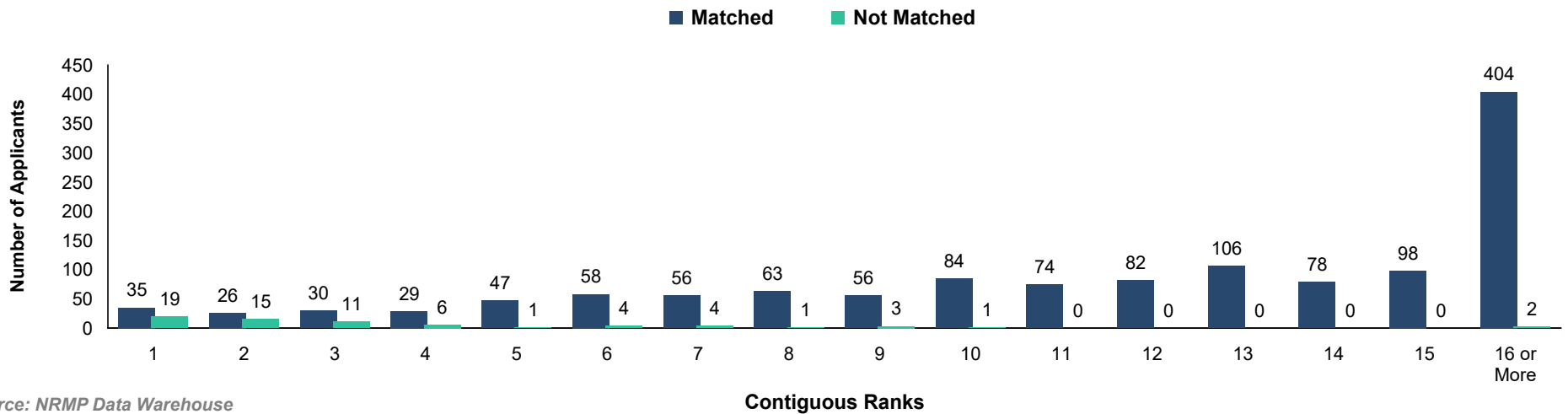
**Chart  
IM-1**

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



**Chart  
IM-2**

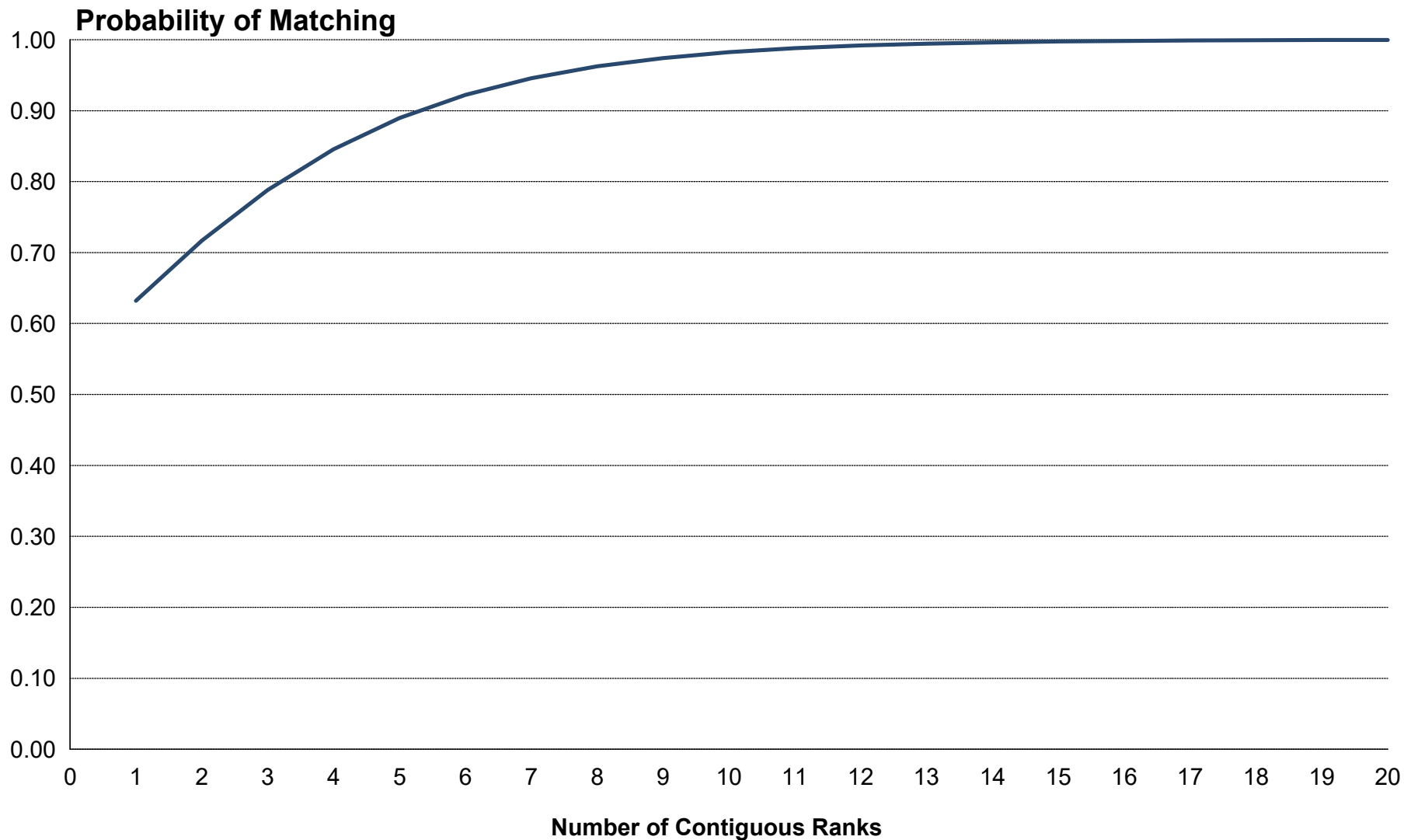
**Number of Contiguous Ranks of U.S. DO Seniors  
Internal Medicine**



Source: NRMP Data Warehouse

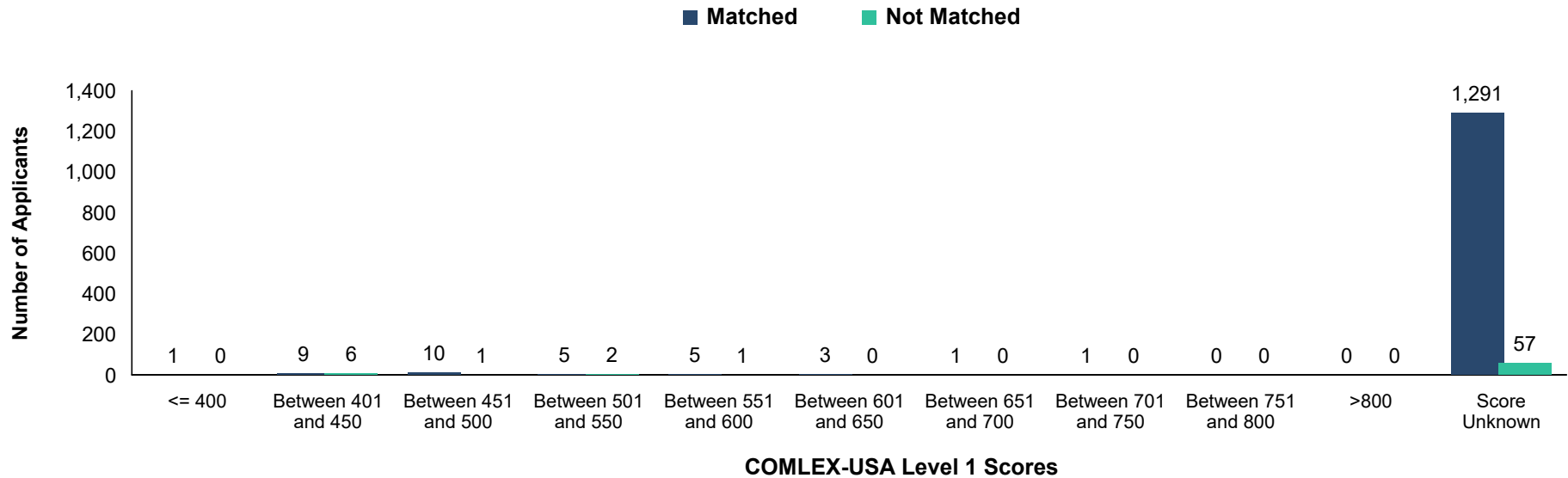
**Graph  
IM-1**

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

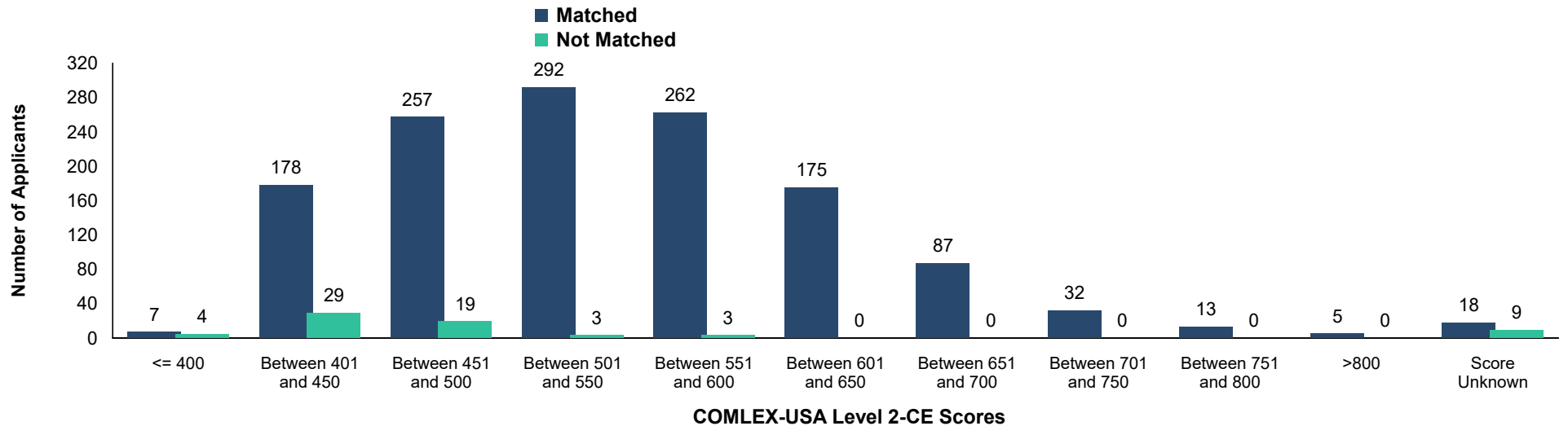


Source: NRMP Data Warehouse. Note: Probabilities calculated based on 2022-2024 applicants.

**Chart IM-3** COMLEX-USA Level 1 Scores of U.S. DO Seniors  
*Internal Medicine*



**Chart IM-4** COMLEX-USA Level 2-CE Scores of U.S. DO Seniors  
*Internal Medicine*

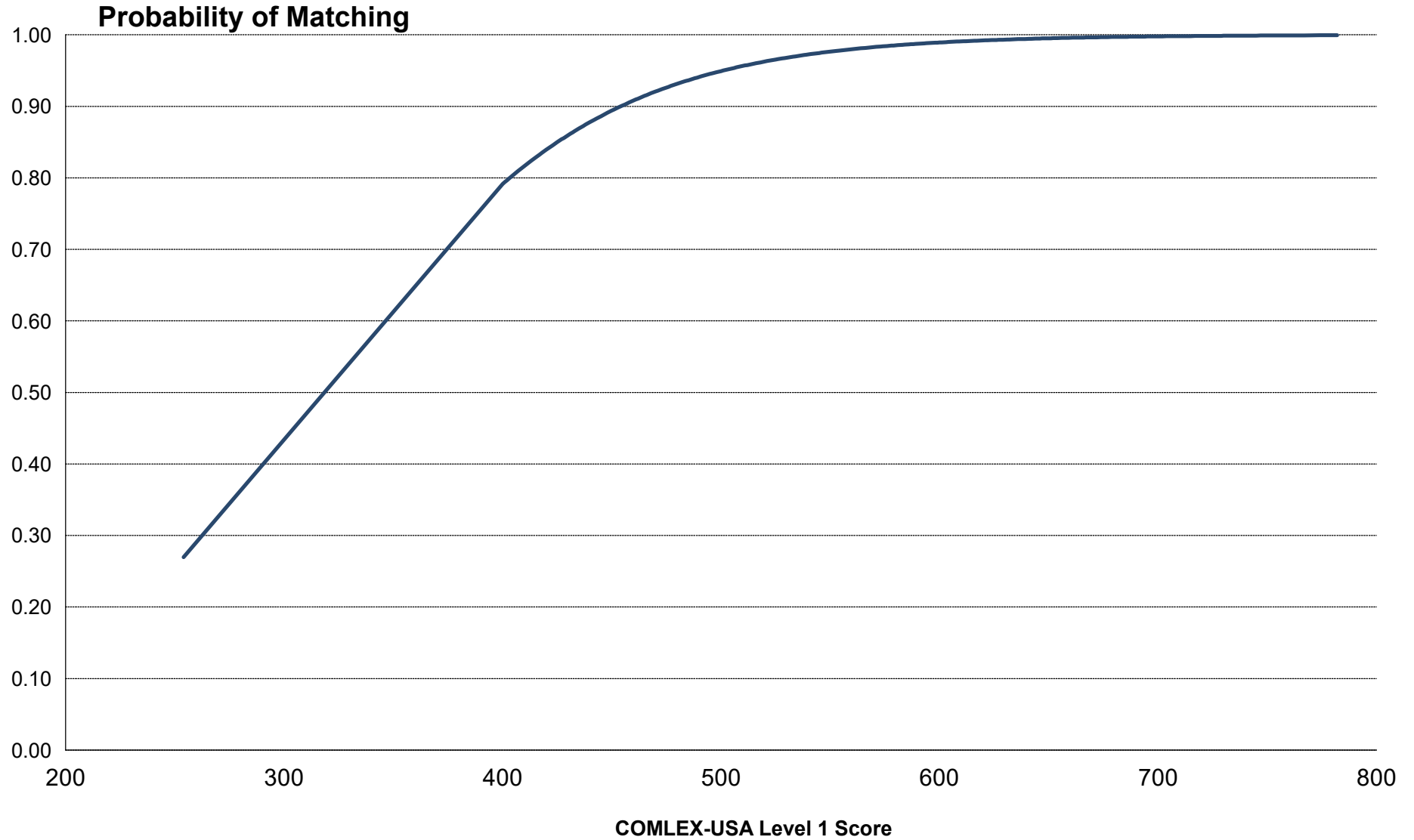


Source: NRMP Data Warehouse



**Graph  
IM-2**

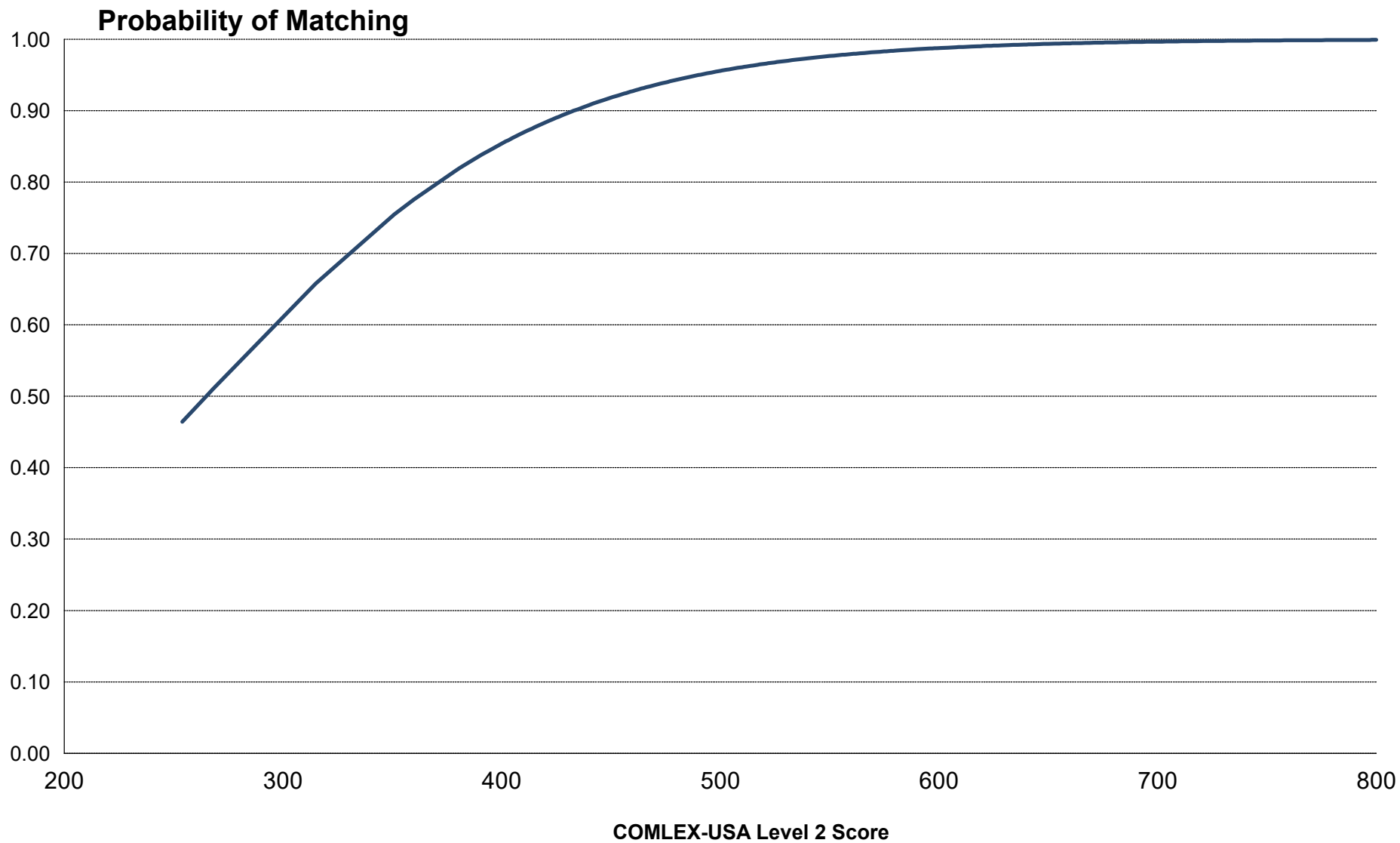
**Probability of U.S. DO Seniors Matching to Preferred Specialty by COMLEX-USA Level 1 Score**  
*Internal Medicine*



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

**Graph  
IM-3**

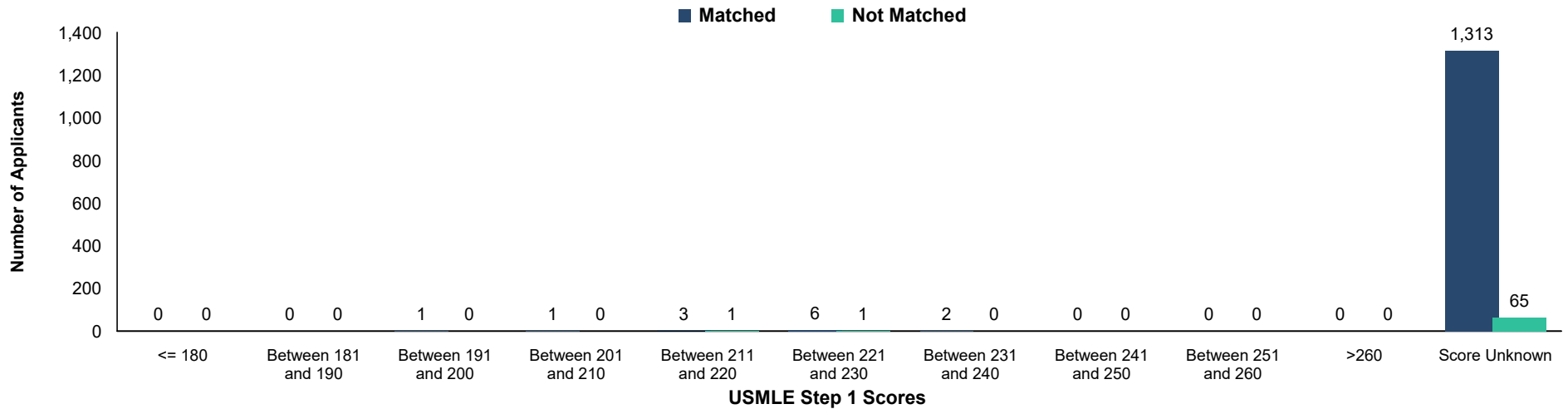
**Probability of U.S. DO Seniors Matching to Preferred Specialty by COMLEX-USA Level 2 Score**  
*Internal Medicine*



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

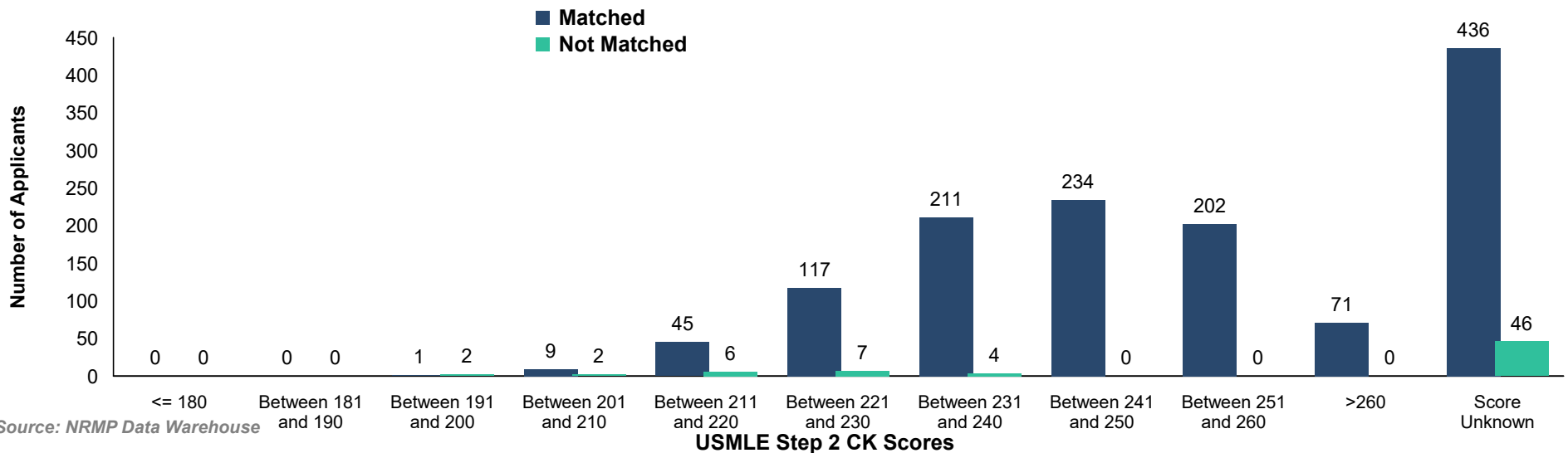
**Chart  
IM-5**

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



**Chart  
IM-6**

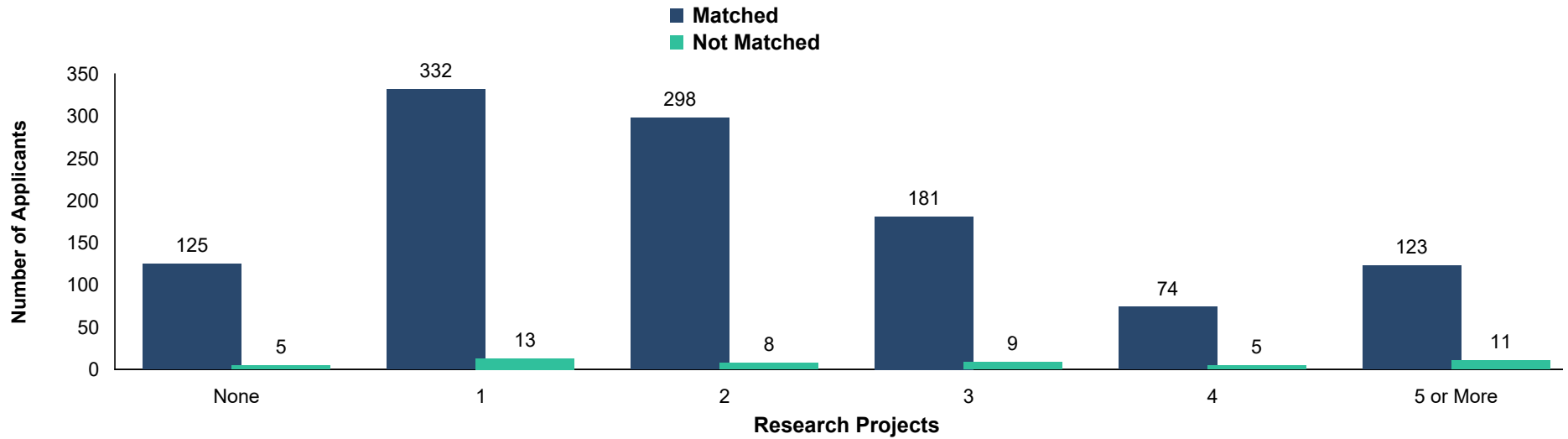
**USMLE Step 2 CK Scores of U.S. DO Seniors  
Internal Medicine**



Source: NRMP Data Warehouse

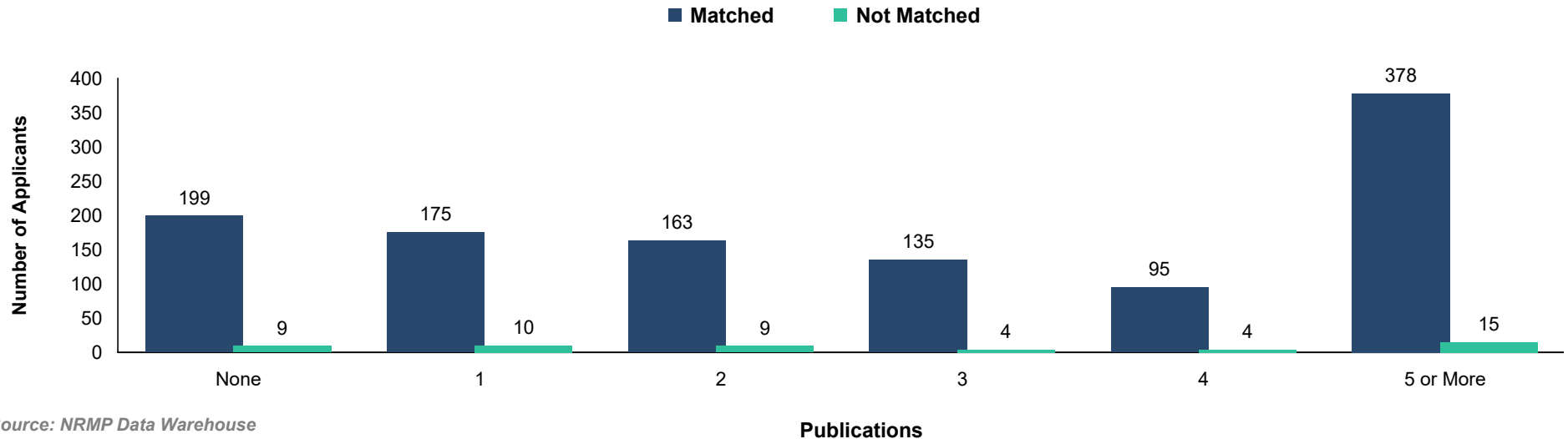
**Chart  
IM-7**

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



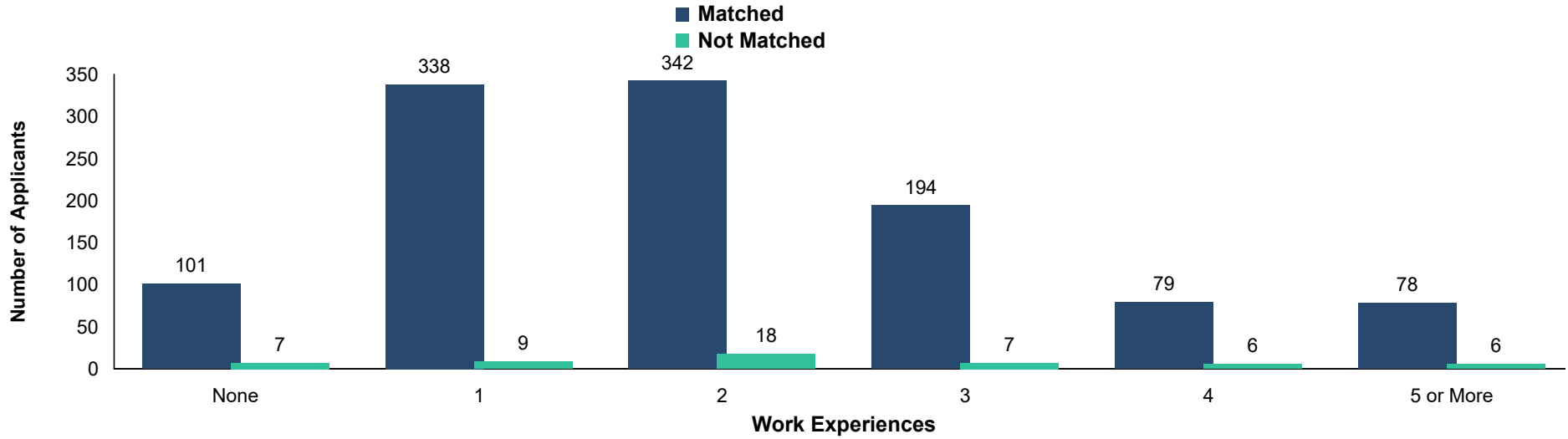
**Chart  
IM-8**

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

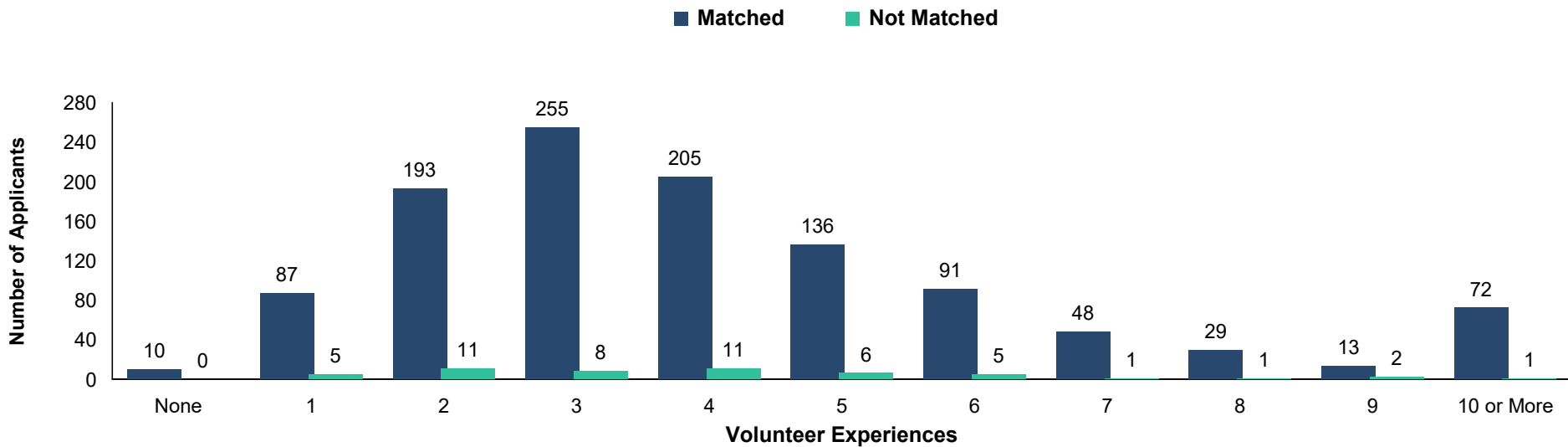


Source: NRMP Data Warehouse

**Chart IM-9** Number of Work Experiences of U.S. DO Seniors  
*Internal Medicine*



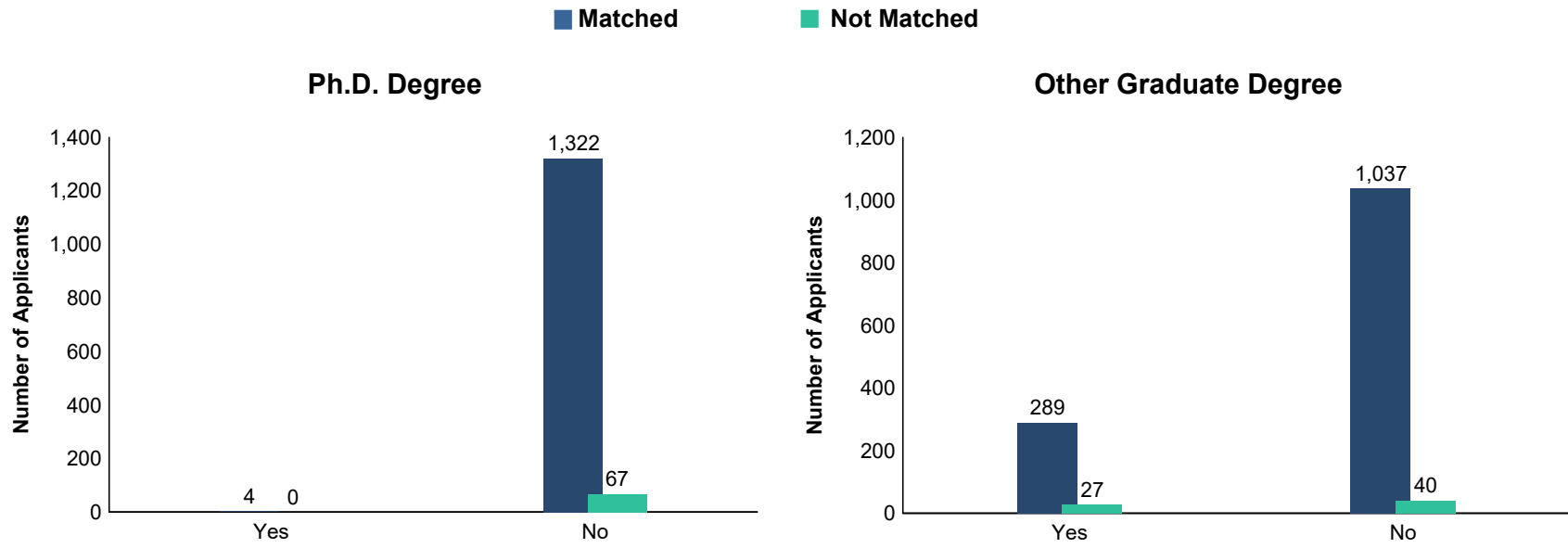
**Chart IM-10** Number of Volunteer Experiences of U.S. DO Seniors  
*Internal Medicine*



Source: NRMP Data Warehouse

**Chart  
IM-11**

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



Source: NRMP Data Warehouse.

**IP**

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## **Internal Medicine/Pediatrics**

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

| Measure                                                      | Matched<br>(n=24) | Unmatched<br>(n=12) |
|--------------------------------------------------------------|-------------------|---------------------|
| 1. Mean number of contiguous ranks                           | 9.1               | 4.4                 |
| 2. Mean number of distinct specialties ranked                | 1.4               | 2.0                 |
| 3. Mean COMLEX-USA Level 1 score*                            | 499               |                     |
| 4. Mean COMLEX-USA Level 2-CE score                          | 545               | 513                 |
| 5. Mean USMLE Step 1 score*                                  | 206               |                     |
| 6. Mean USMLE Step 2 CK score                                | 241               | 223                 |
| 7. Mean number of research experiences                       | 2.4               | 2.3                 |
| 8. Mean number of abstracts, presentations, and publications | 5.6               | 5.4                 |
| 9. Mean number of work experiences                           | 2.6               | 2.6                 |
| 10. Mean number of volunteer experiences                     | 3.9               | 7.2                 |
| 11. Percentage who have a Ph.D. degree                       | 4.8               | 0.0                 |
| 12. Percentage who have another graduate degree              | 38.1              | 45.5                |

Source: NRMP Data Warehouse.

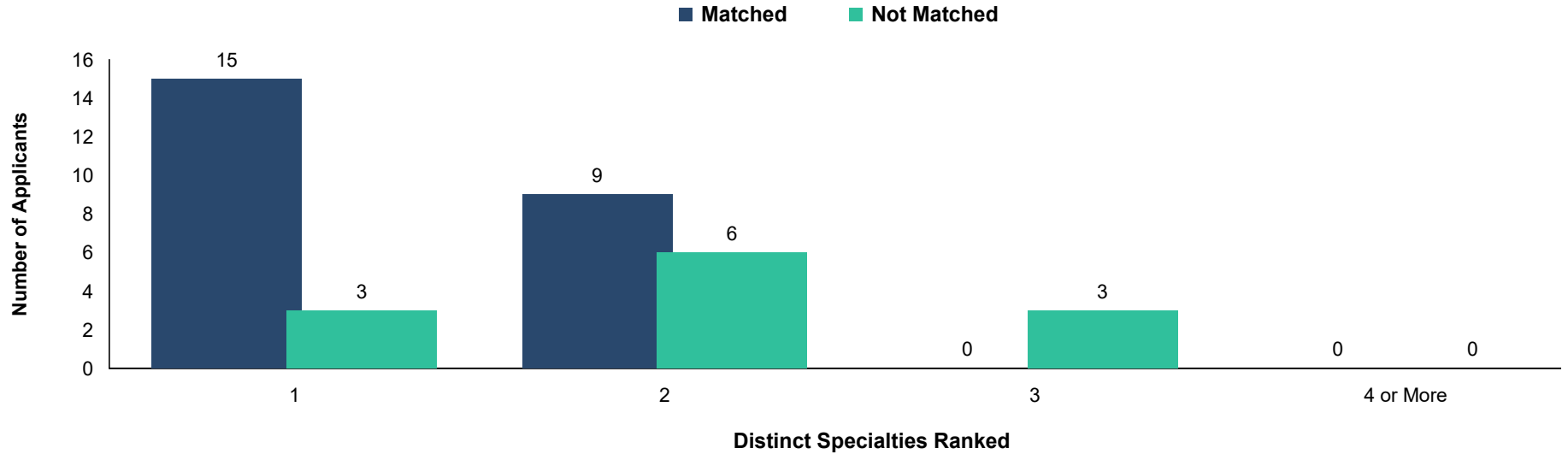
Note: Only U.S. DO seniors who gave consent to use their information in research are included.

\*Only applicants who indicated completion of the COMLEX Level 1 or USMLE Step 1 exams prior to the transition to pass/fail (i.e., prior to May 10, 2022 for Level 1, January 26, 2022 for Step 1) had the option to self-report their numeric scores. In 2024, only 340 U.S. DO seniors self-reported Level 1 numeric scores, while only 123 reported Step 1 numeric scores.



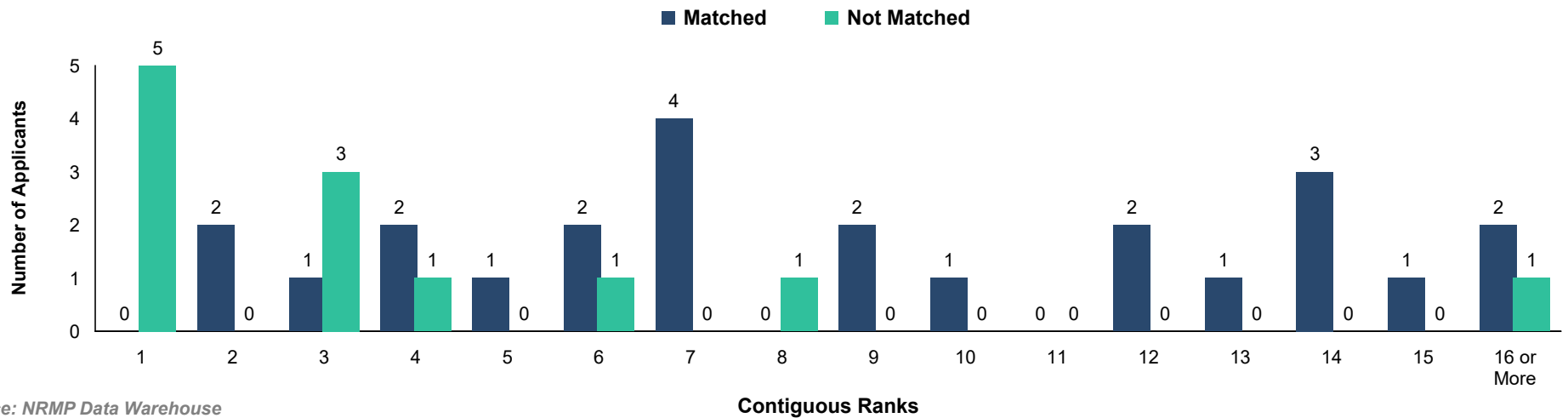
**Chart  
IP-1**

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



**Chart  
IP-2**

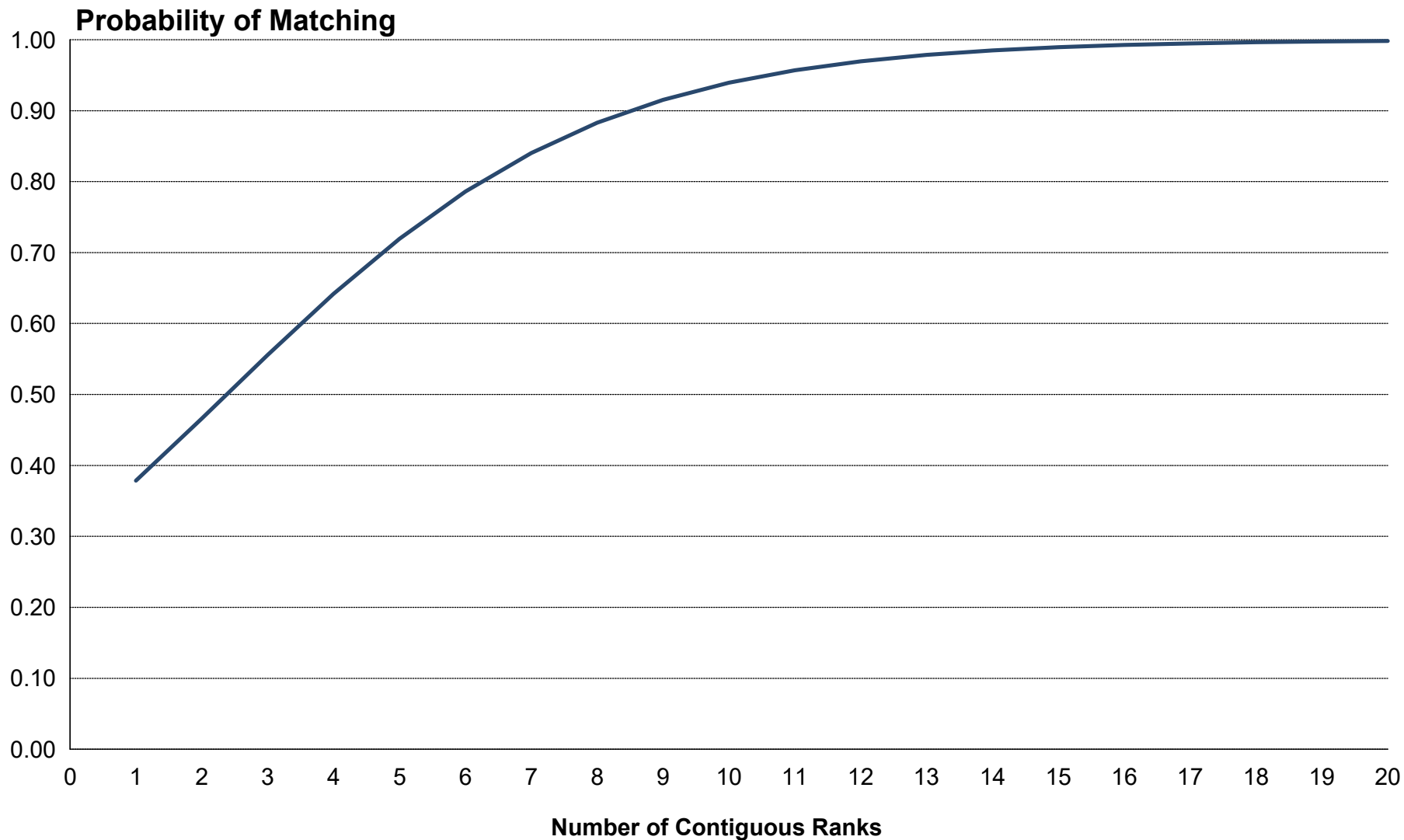
**Number of Contiguous Ranks of U.S. DO Seniors  
*Internal Medicine/Pediatrics***



Source: NRMP Data Warehouse

**Graph  
IP-1**

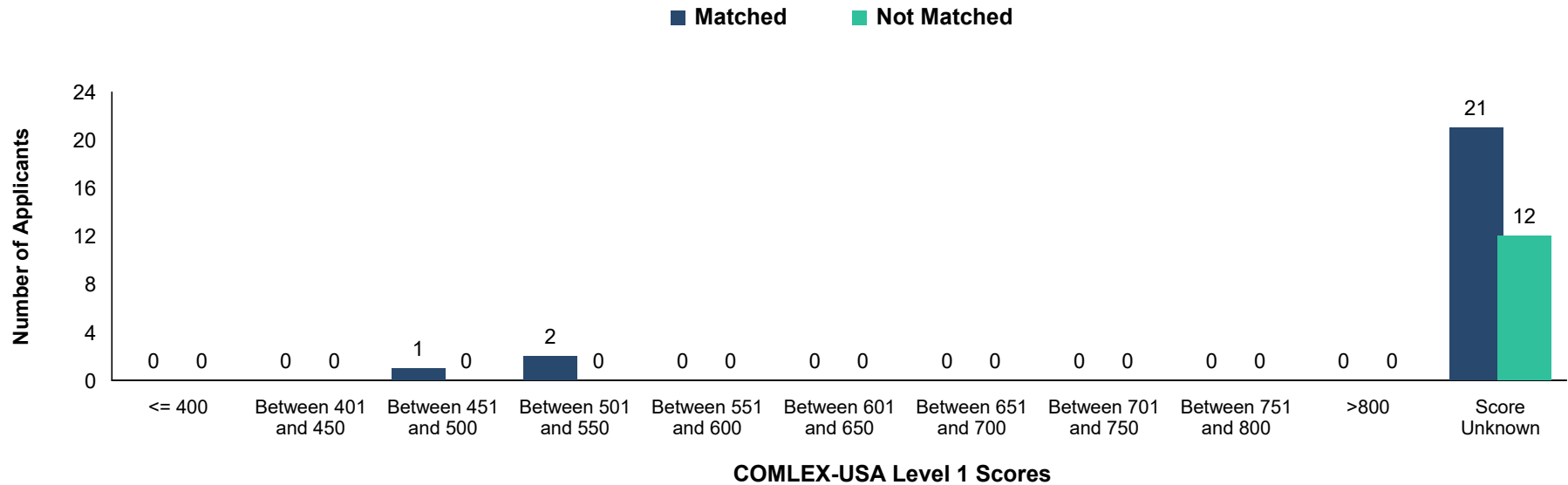
**Probability of U.S. DO Seniors Matching to Preferred Specialty by Number of Contiguous Ranks**  
*Internal Medicine/Pediatrics*



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

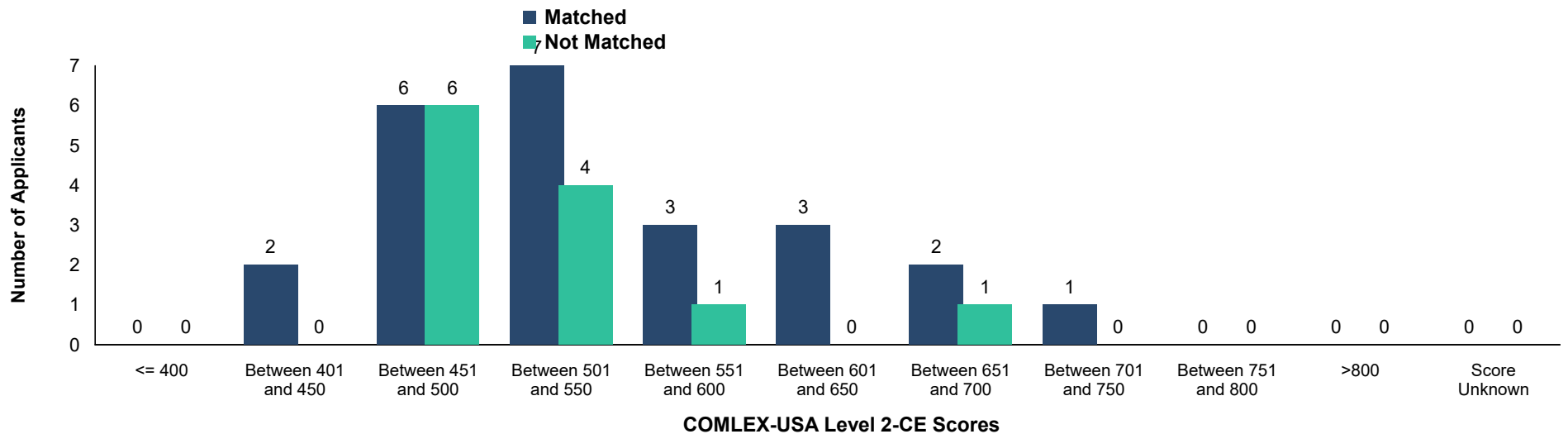
**Chart  
IP-3**

**COMLEX-USA Level 1 Scores of U.S. DO Seniors  
Internal Medicine/Pediatrics**



**Chart  
IP-4**

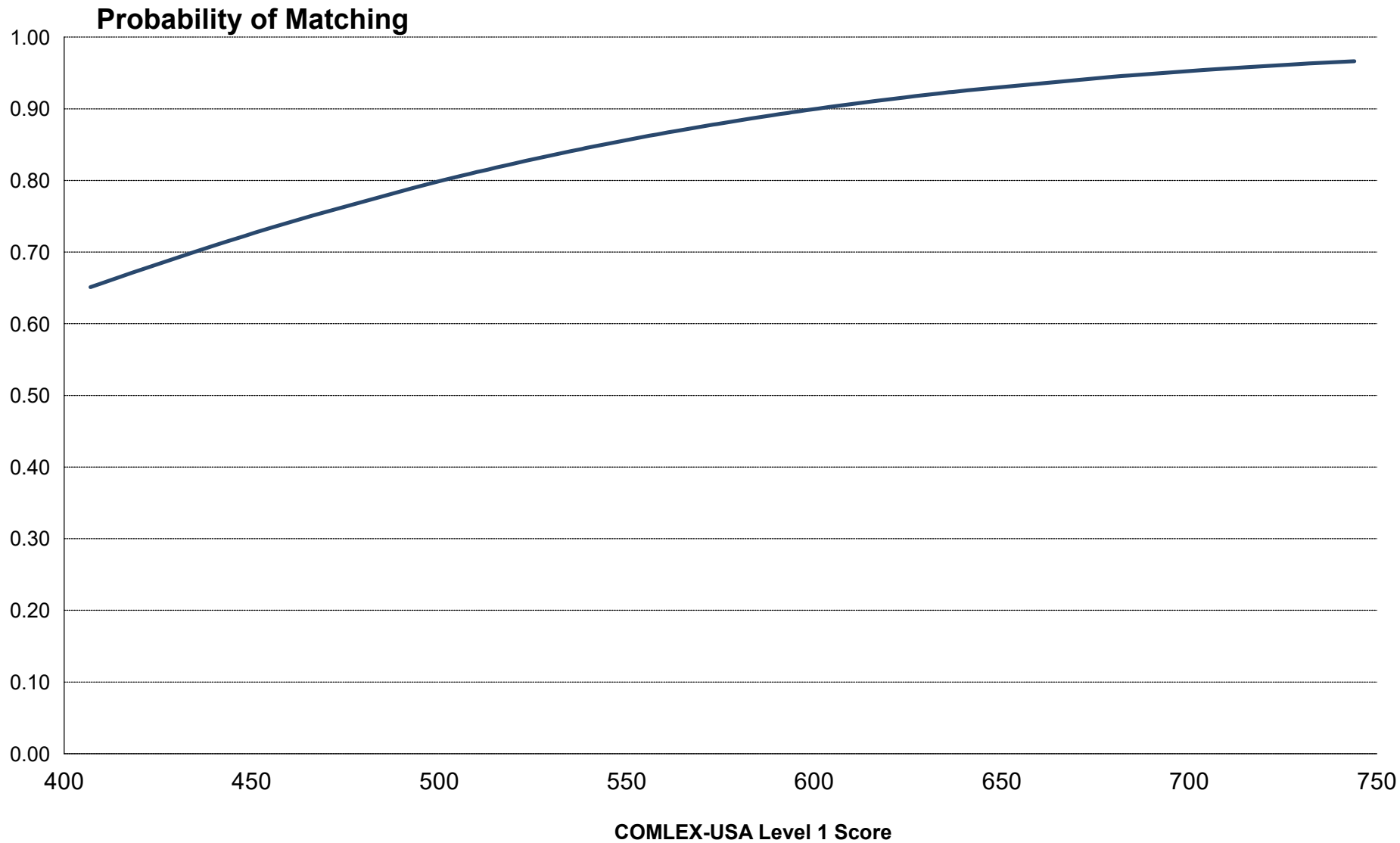
**COMLEX-USA Level 2-CE Scores of U.S. DO Seniors  
Internal Medicine/Pediatrics**



Source: NRMP Data Warehouse

**Graph  
IP-2**

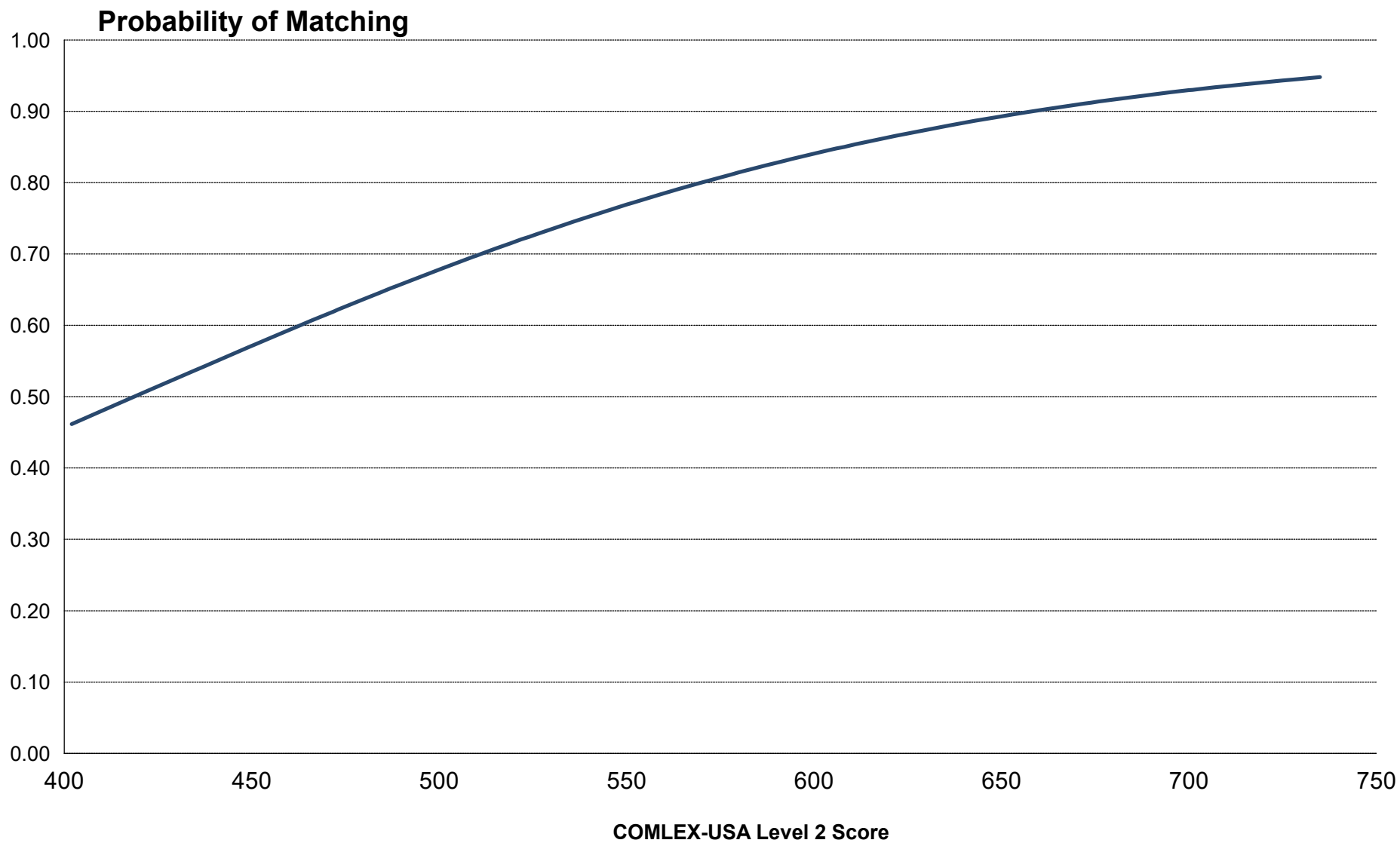
**Probability of U.S. DO Seniors Matching to Preferred Specialty by COMLEX-USA Level 1 Score**  
*Internal Medicine/Pediatrics*



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

**Graph  
IP-3**

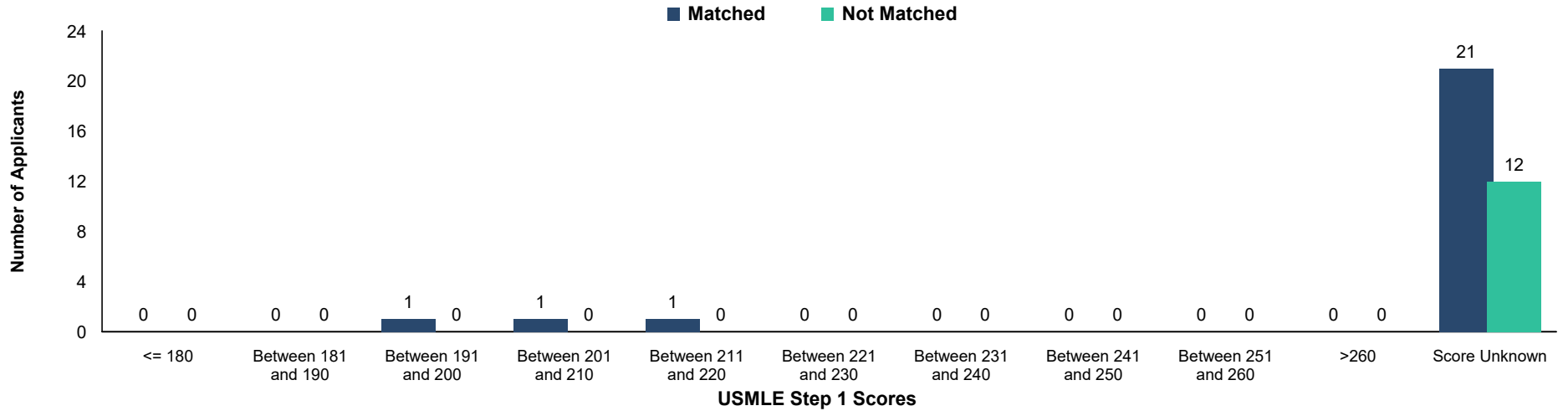
**Probability of U.S. DO Seniors Matching to Preferred Specialty by COMLEX-USA Level 2 Score**  
*Internal Medicine/Pediatrics*



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

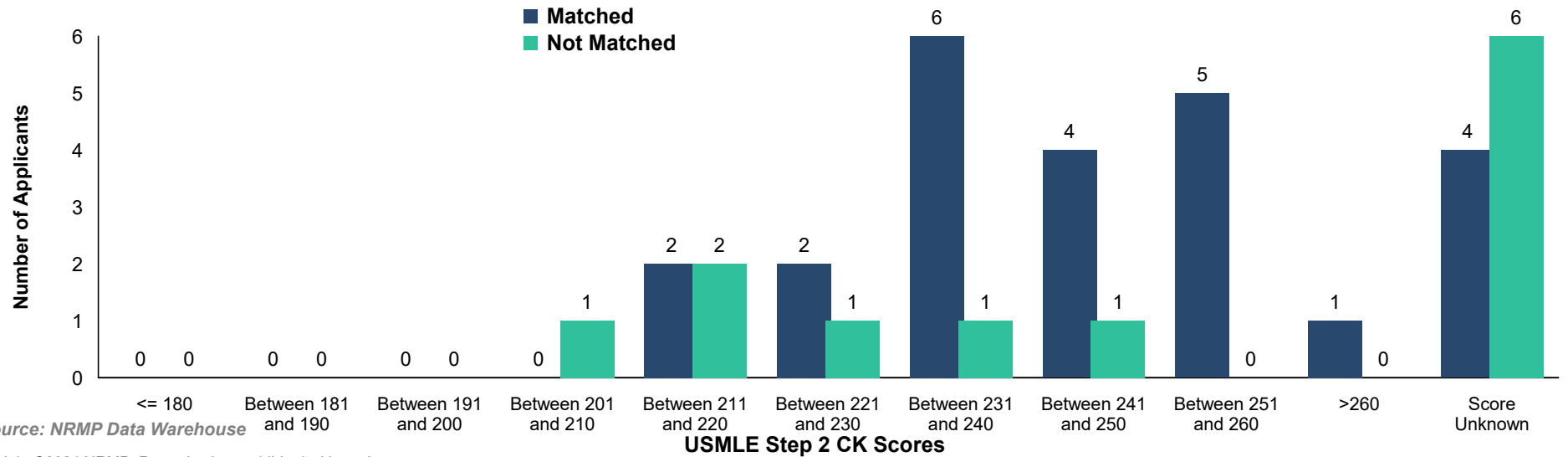
**Chart  
IP-5**

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



**Chart  
IP-6**

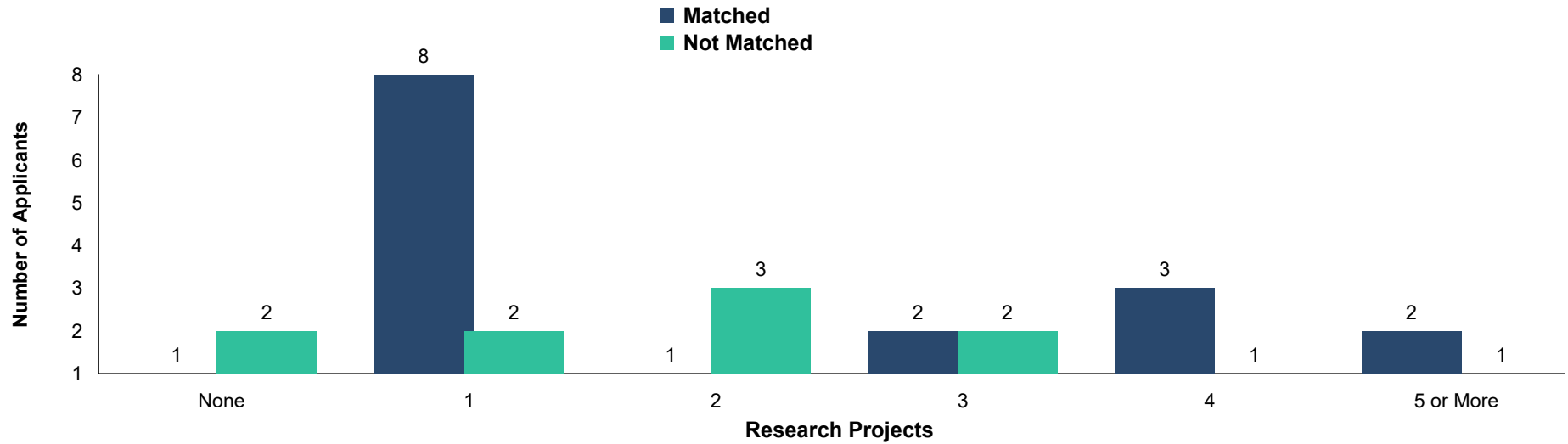
**USMLE Step 2 CK Scores of U.S. DO Seniors  
*Internal Medicine/Pediatrics***



Source: NRMP Data Warehouse

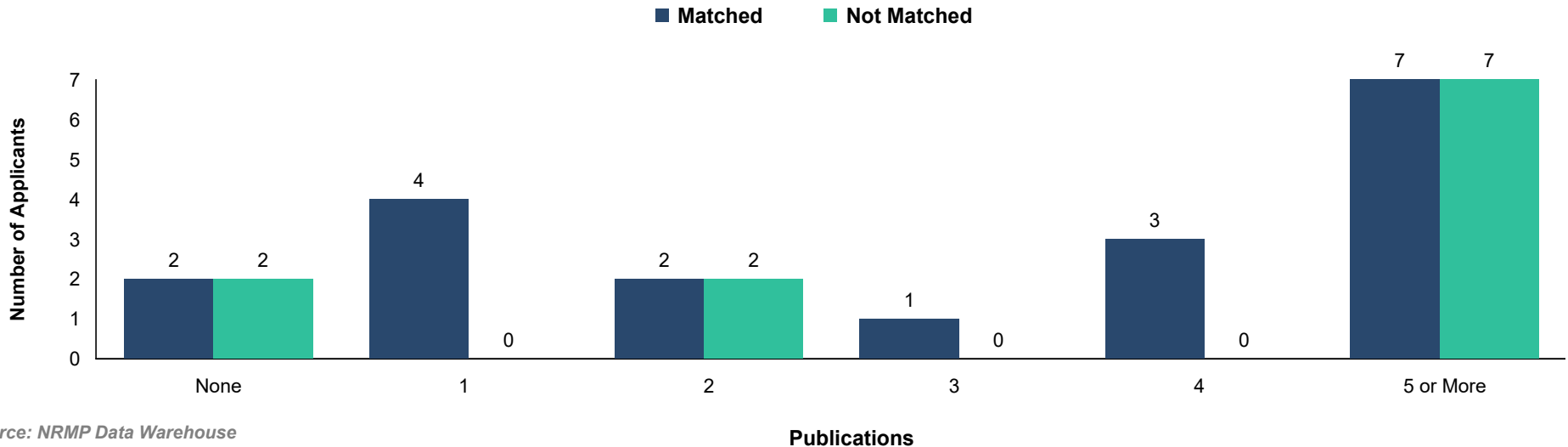
**Chart  
IP-7**

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



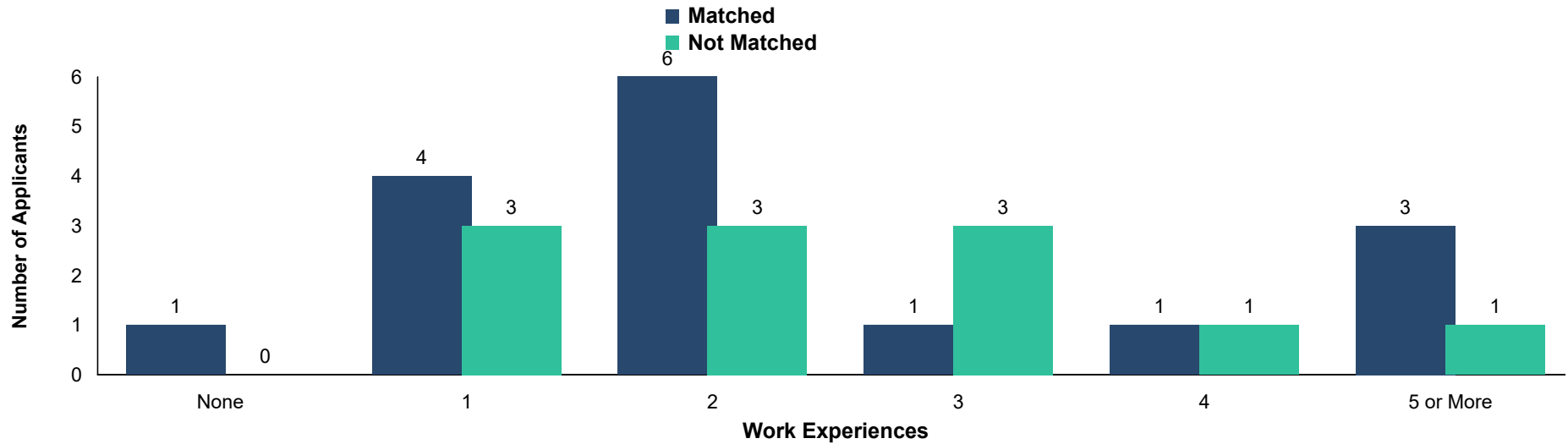
**Chart  
IP-8**

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

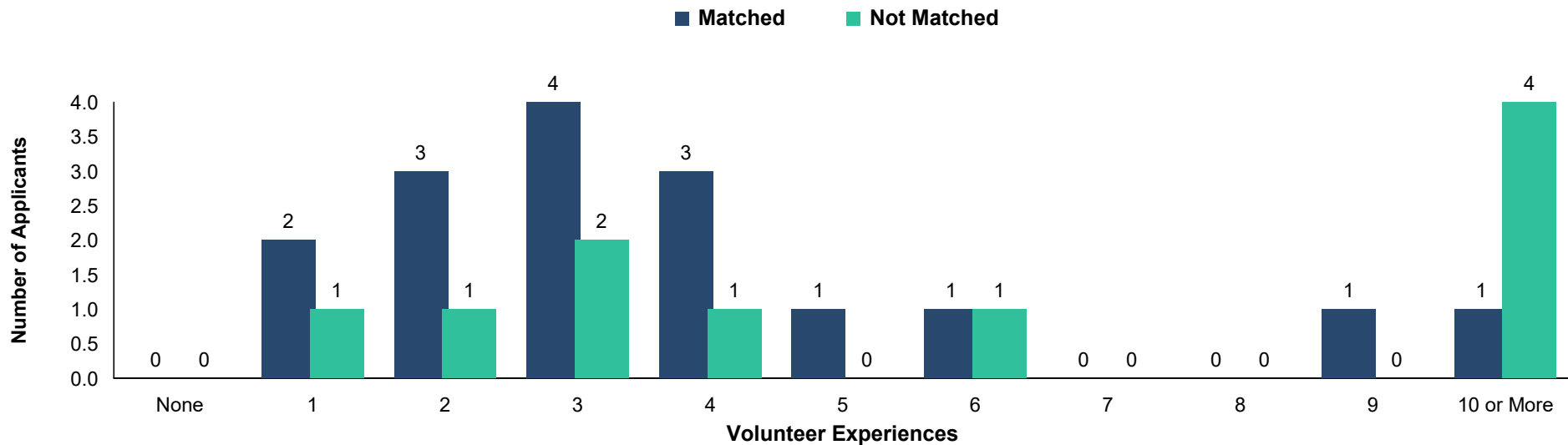


Source: NRMP Data Warehouse

**Chart IP-9** Number of Work Experiences of U.S. DO Seniors  
*Internal Medicine/Pediatrics*



**Chart IP-10** Number of Volunteer Experiences of U.S. DO Seniors  
*Internal Medicine/Pediatrics*

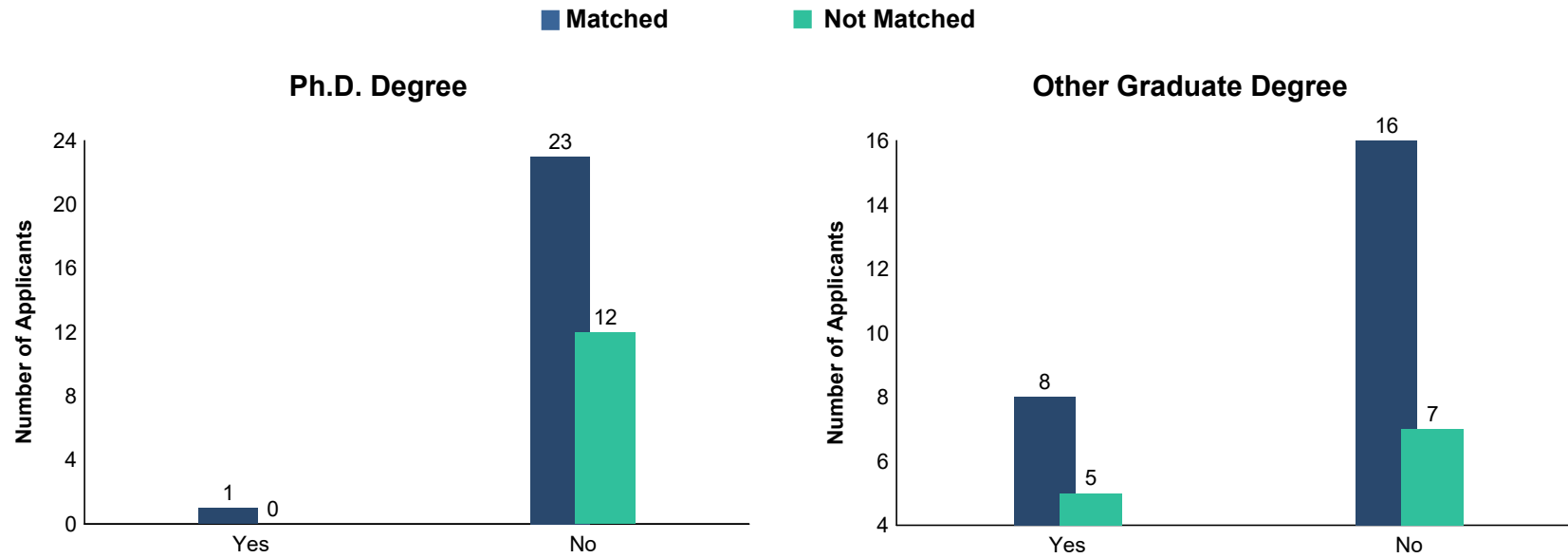


Source: NRMP Data Warehouse



**Chart  
IP-11**

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



Source: NRMP Data Warehouse.

**IR**

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## **Interventional Radiology**

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

| Measure                                                      | Matched<br>(n=13) | Unmatched<br>(n=14) |
|--------------------------------------------------------------|-------------------|---------------------|
| 1. Mean number of contiguous ranks                           | 4.2               | 1.8                 |
| 2. Mean number of distinct specialties ranked                | 2.5               | 3.9                 |
| 3. Mean COMLEX-USA Level 1 score*                            |                   |                     |
| 4. Mean COMLEX-USA Level 2-CE score                          | 592               | 556                 |
| 5. Mean USMLE Step 1 score*                                  |                   |                     |
| 6. Mean USMLE Step 2 CK score                                | 253               | 243                 |
| 7. Mean number of research experiences                       | 4.0               | 4.3                 |
| 8. Mean number of abstracts, presentations, and publications | 6.3               | 10.4                |
| 9. Mean number of work experiences                           | 2.1               | 4.3                 |
| 10. Mean number of volunteer experiences                     | 4.1               | 4.9                 |
| 11. Percentage who have a Ph.D. degree                       | 0.0               | 7.7                 |
| 12. Percentage who have another graduate degree              | 15.4              | 46.2                |

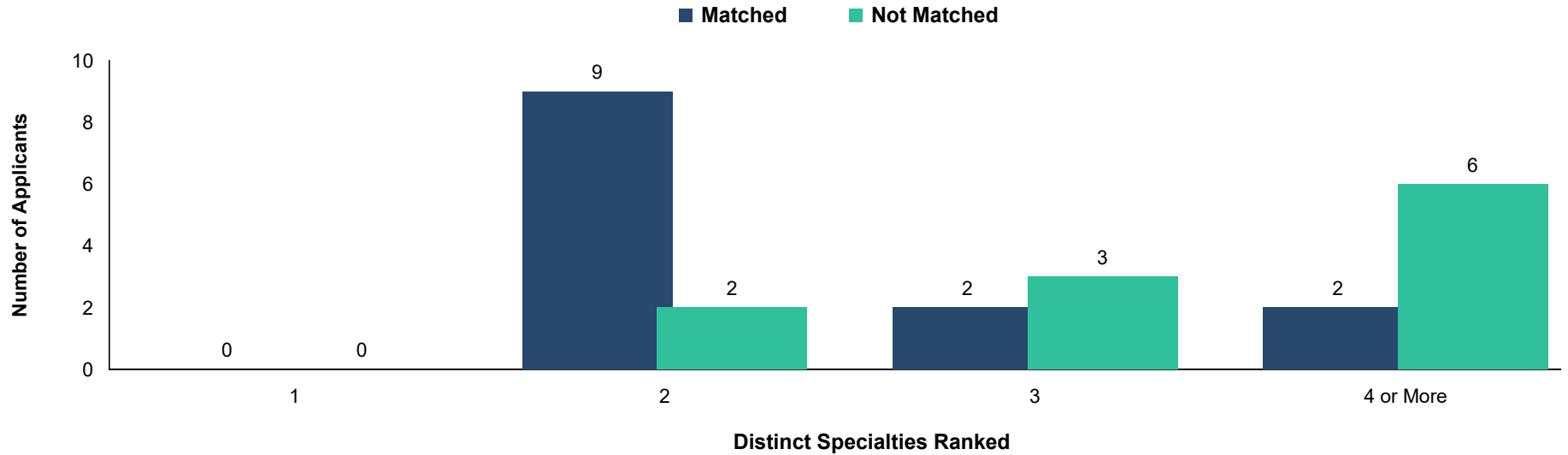
Source: NRMP Data Warehouse.

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

\*Only applicants who indicated completion of the COMLEX Level 1 or USMLE Step 1 exams prior to the transition to pass/fail (i.e., prior to May 10, 2022 for Level 1, January 26, 2022 for Step 1) had the option to self-report their numeric scores. In 2024, only 340 U.S. DO seniors self-reported Level 1 numeric scores, while only 123 reported Step 1 numeric scores.

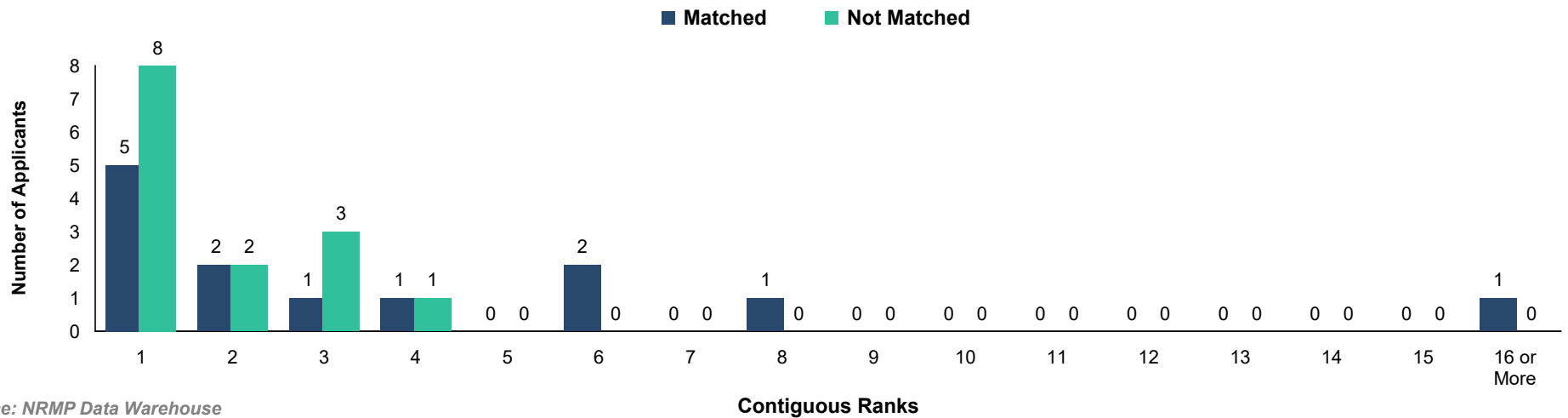
**Chart  
IR-1**

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



**Chart  
IR-2**

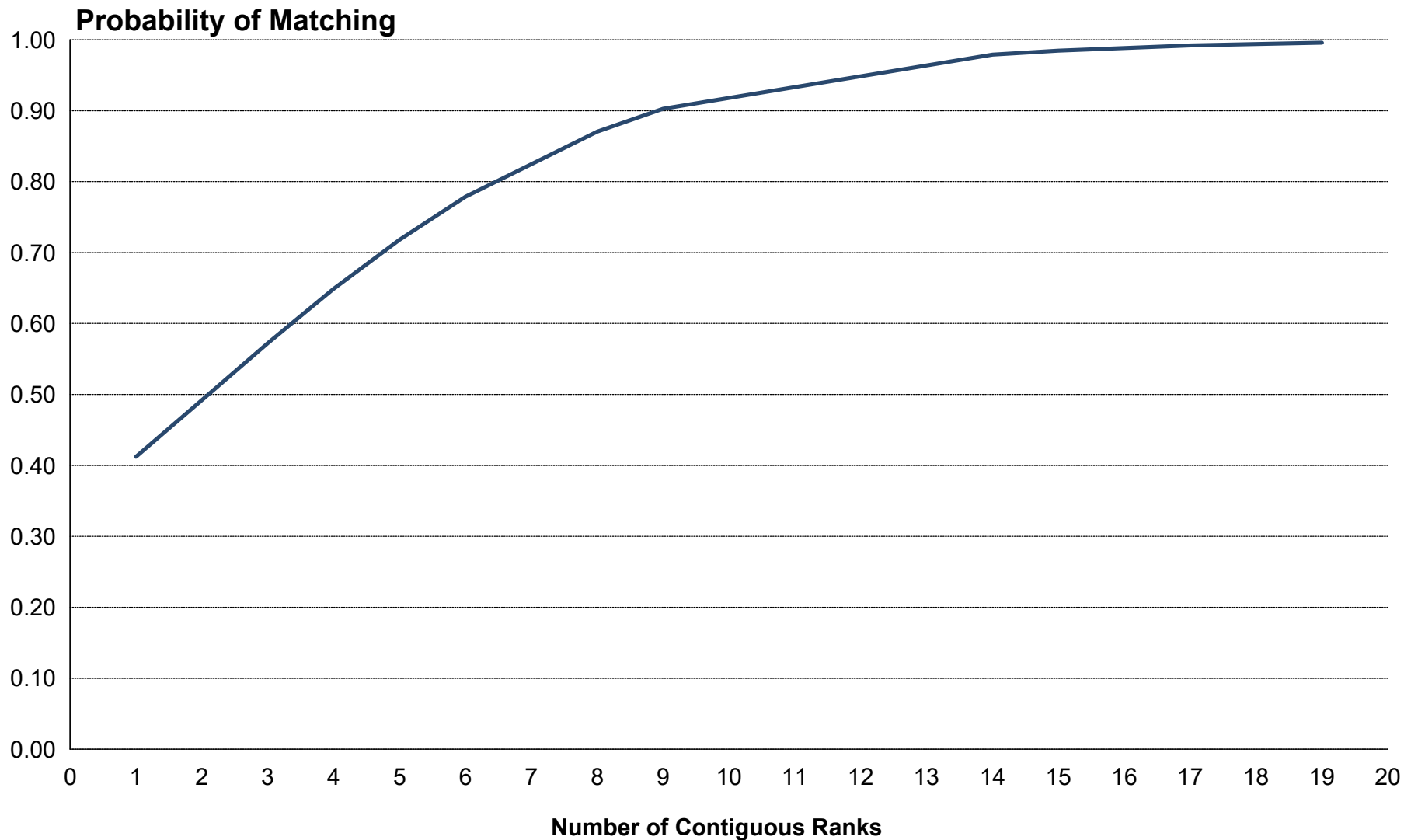
**Number of Contiguous Ranks of U.S. DO Seniors  
*Interventional Radiology***



Source: NRMP Data Warehouse

**Graph  
IR-1**

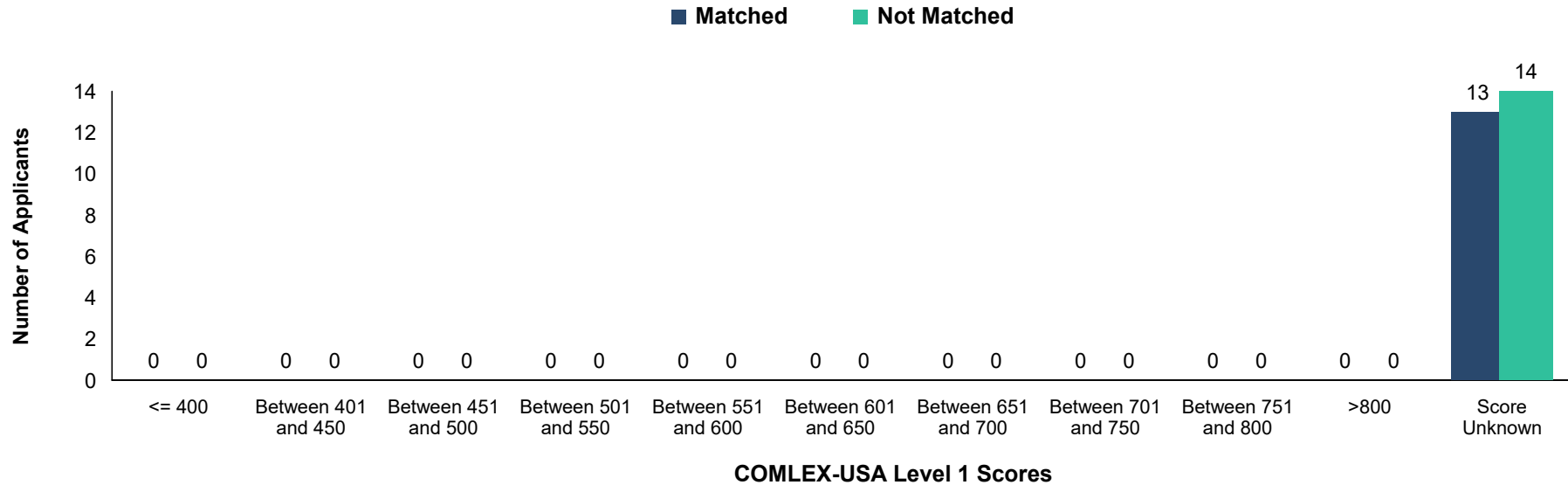
**Probability of U.S. DO Seniors Matching to Preferred Specialty by Number of Contiguous Ranks**  
*Interventional Radiology*



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

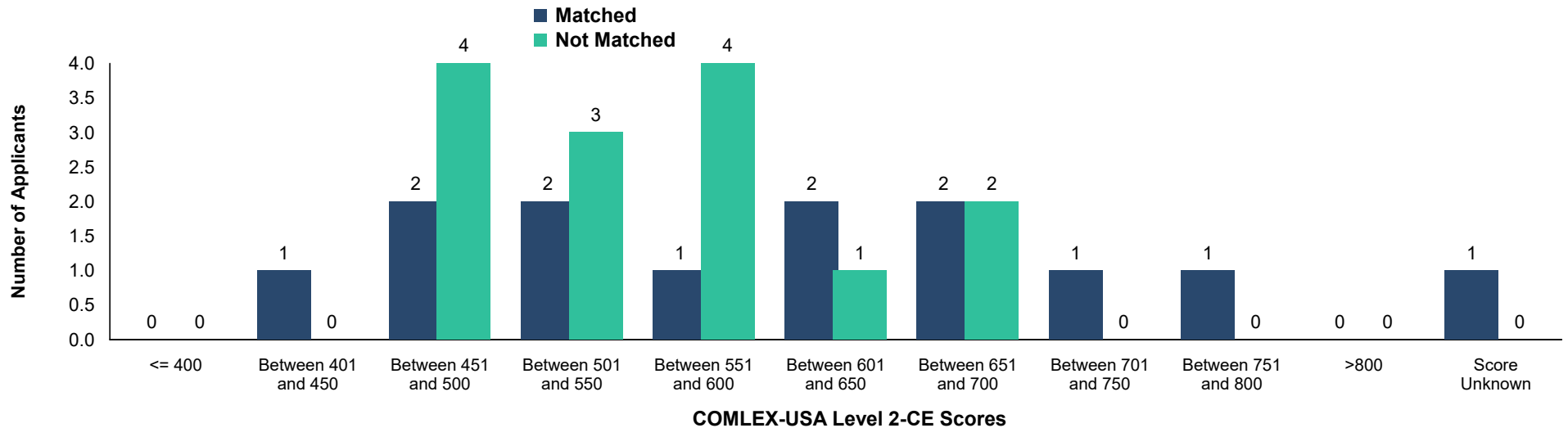
**Chart  
IR-3**

**COMLEX-USA Level 1 Scores of U.S. DO Seniors**  
*Interventional Radiology*



**Chart  
IR-4**

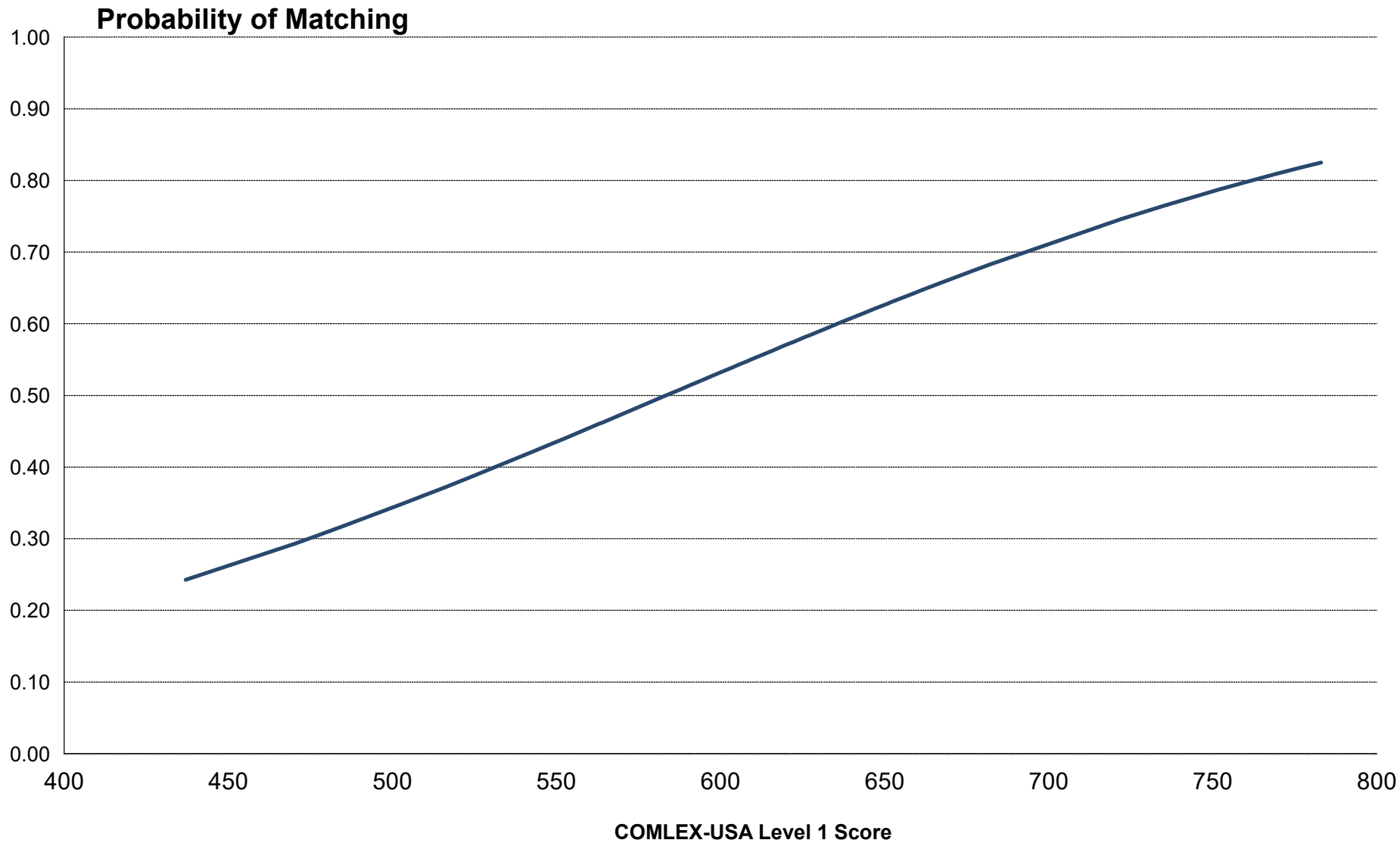
**COMLEX-USA Level 2-CE Scores of U.S. DO Seniors**  
*Interventional Radiology*



Source: NRMP Data Warehouse

**Graph  
IR-2**

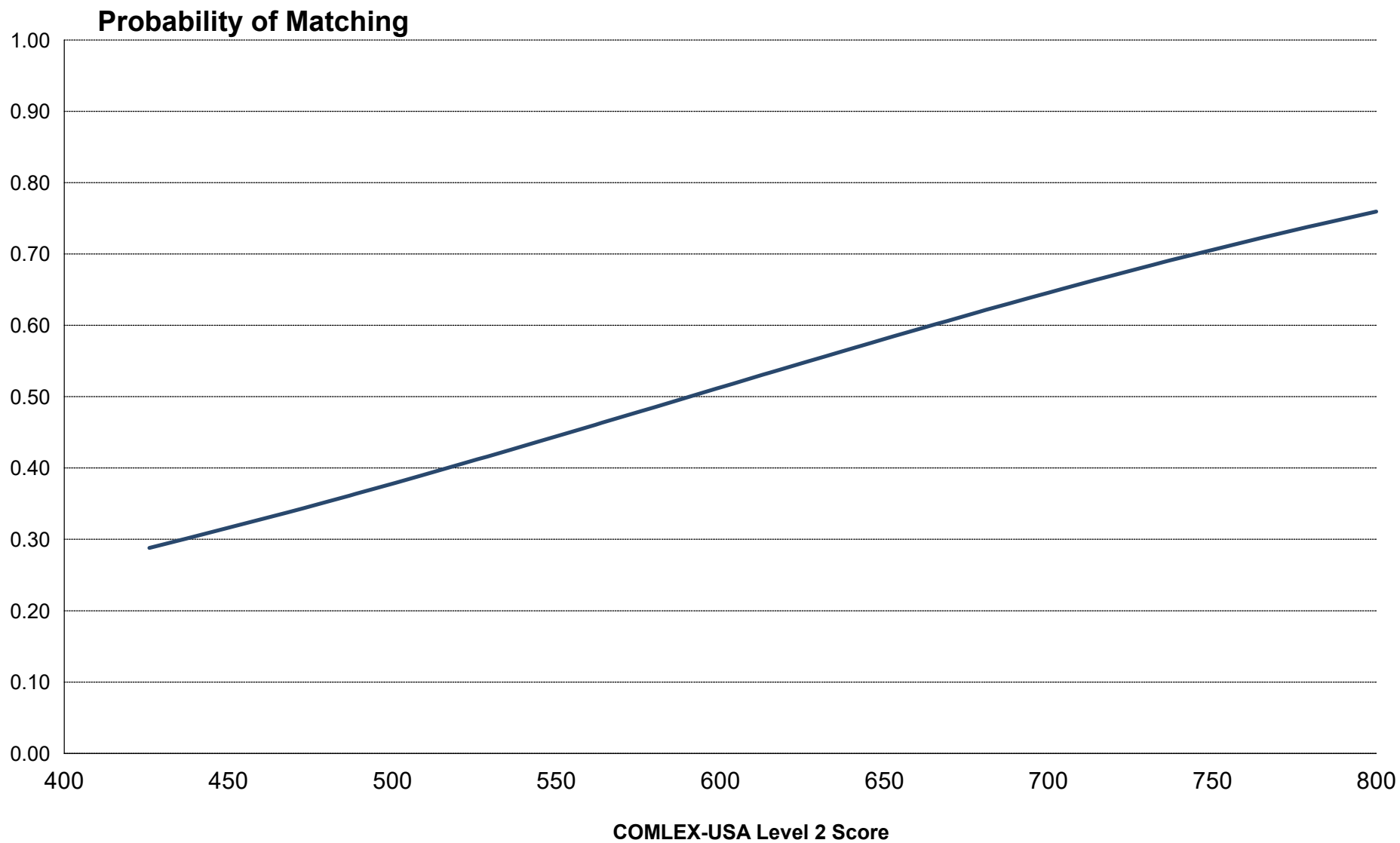
**Probability of U.S. DO Seniors Matching to Preferred Specialty by COMLEX-USA Level 1 Score**  
*Interventional Radiology*



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

**Graph  
IR-3**

**Probability of U.S. DO Seniors Matching to Preferred Specialty by COMLEX-USA Level 2 Score**  
*Interventional Radiology*

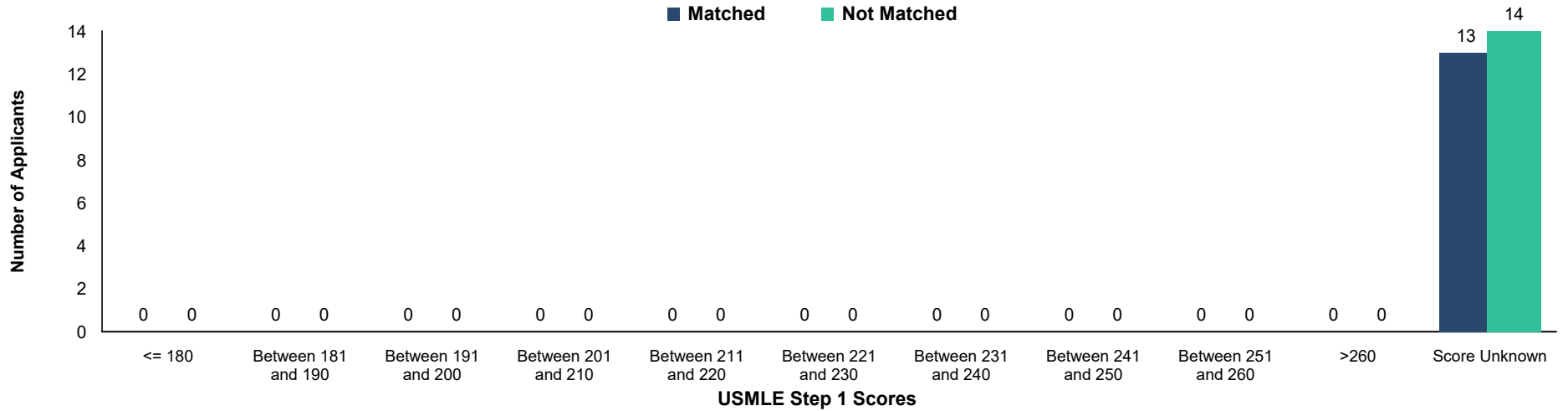


Source: NRMP Data Warehouse. Note: Probabilities calculated based on 2022-2024 applicants.



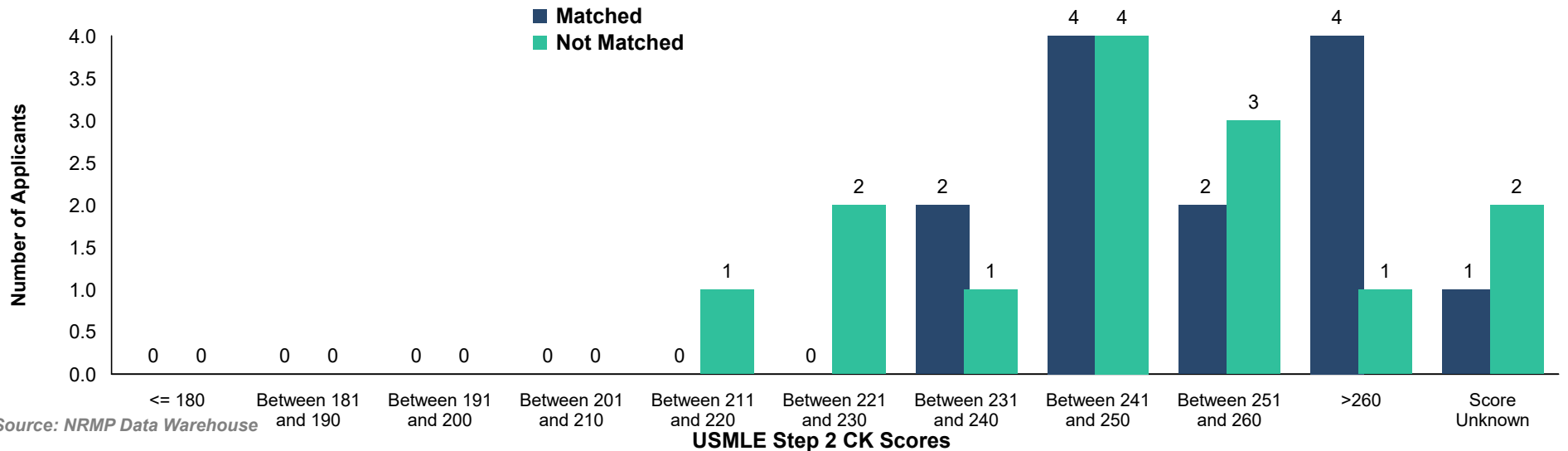
**Chart  
IR-5**

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



**Chart  
IR-6**

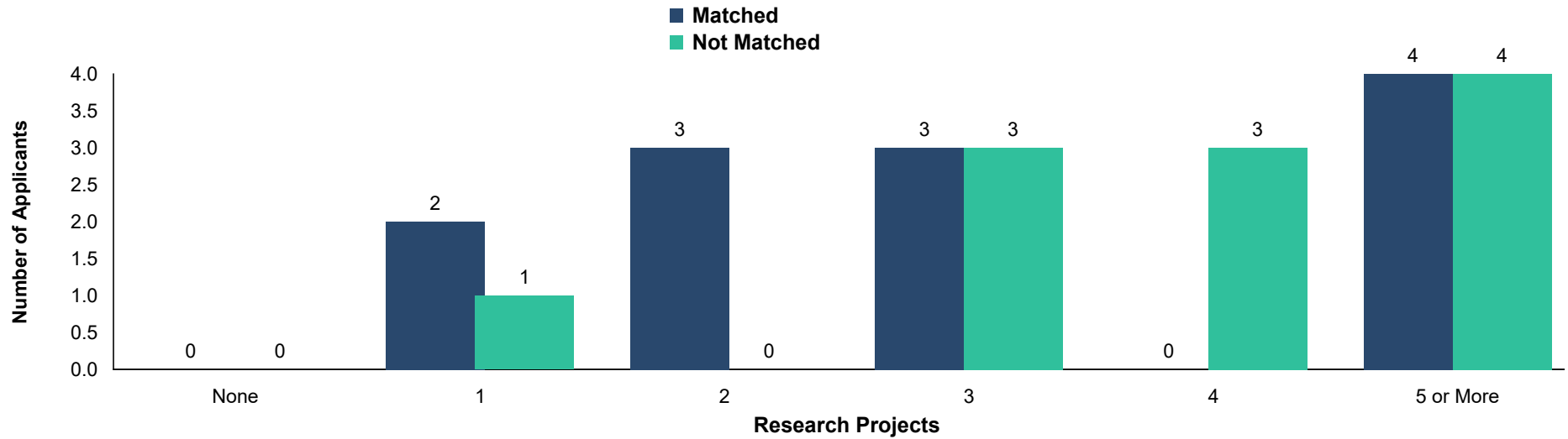
**USMLE Step 2 CK Scores of U.S. DO Seniors  
Interventional Radiology**



Source: NRMP Data Warehouse

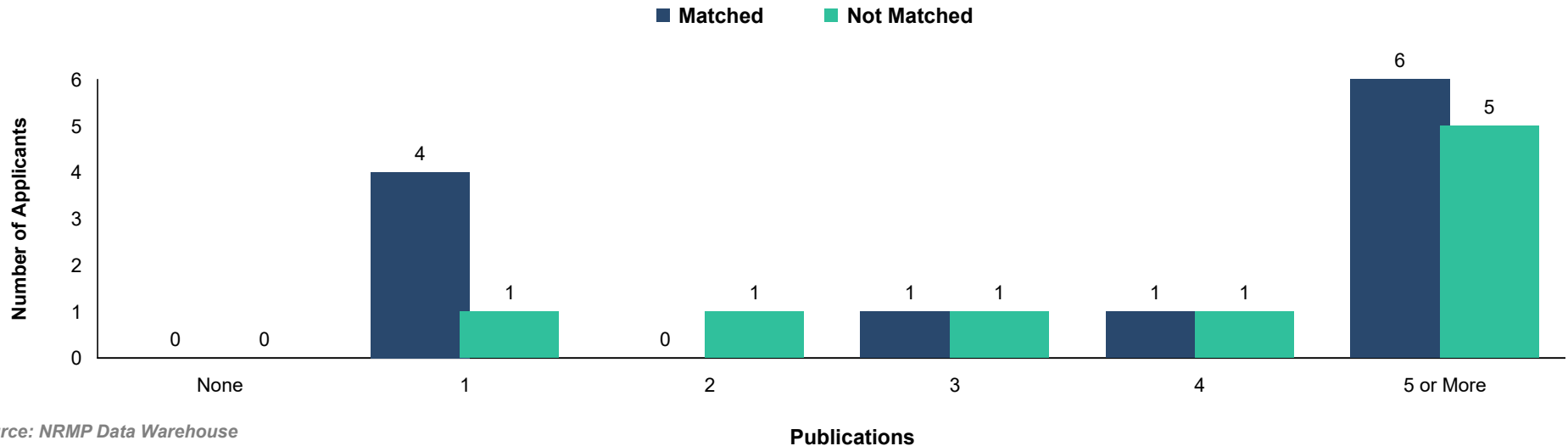
**Chart  
IR-7**

### Number of Research Projects of U.S. DO Seniors *Interventional Radiology*



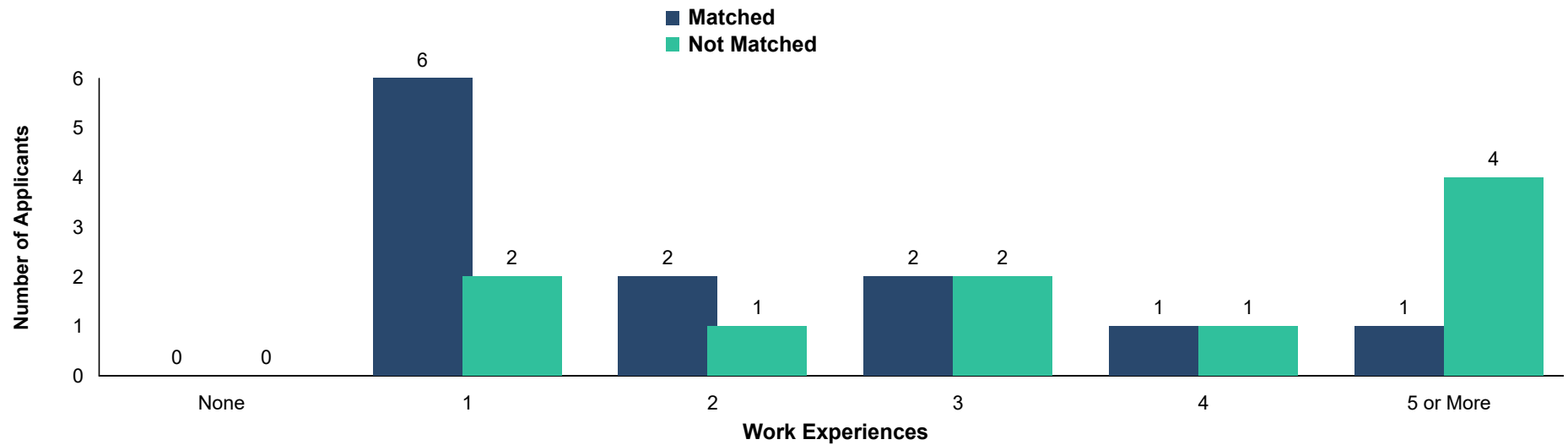
**Chart  
IR-8**

### Number of Abstracts, Presentations, and Publications of U.S. DO Seniors *Interventional Radiology*

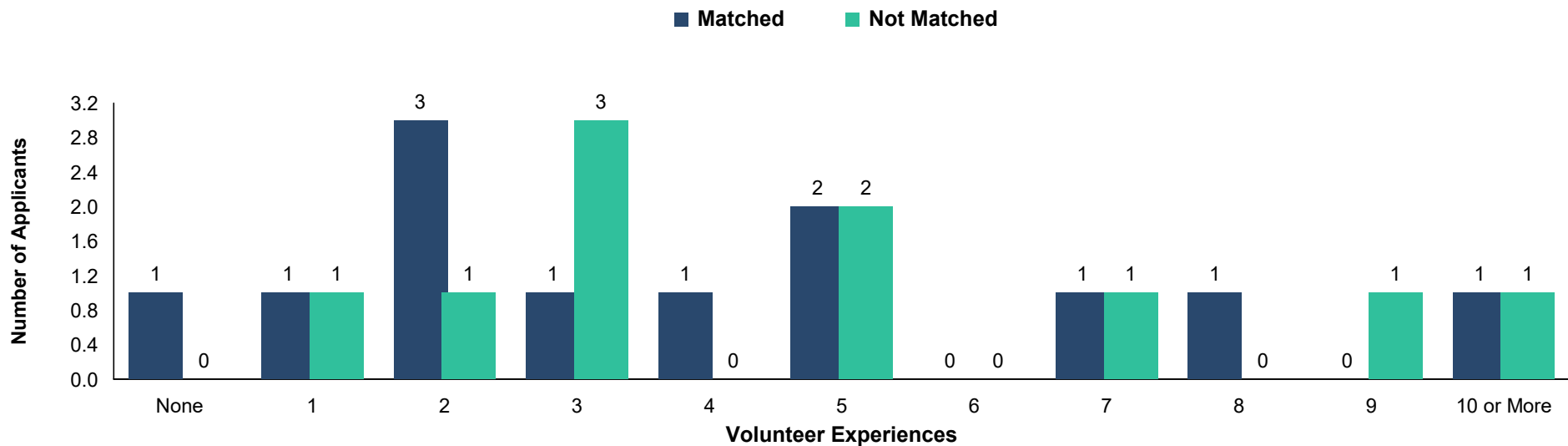


Source: NRMP Data Warehouse

**Chart IR-9** Number of Work Experiences of U.S. DO Seniors  
*Interventional Radiology*



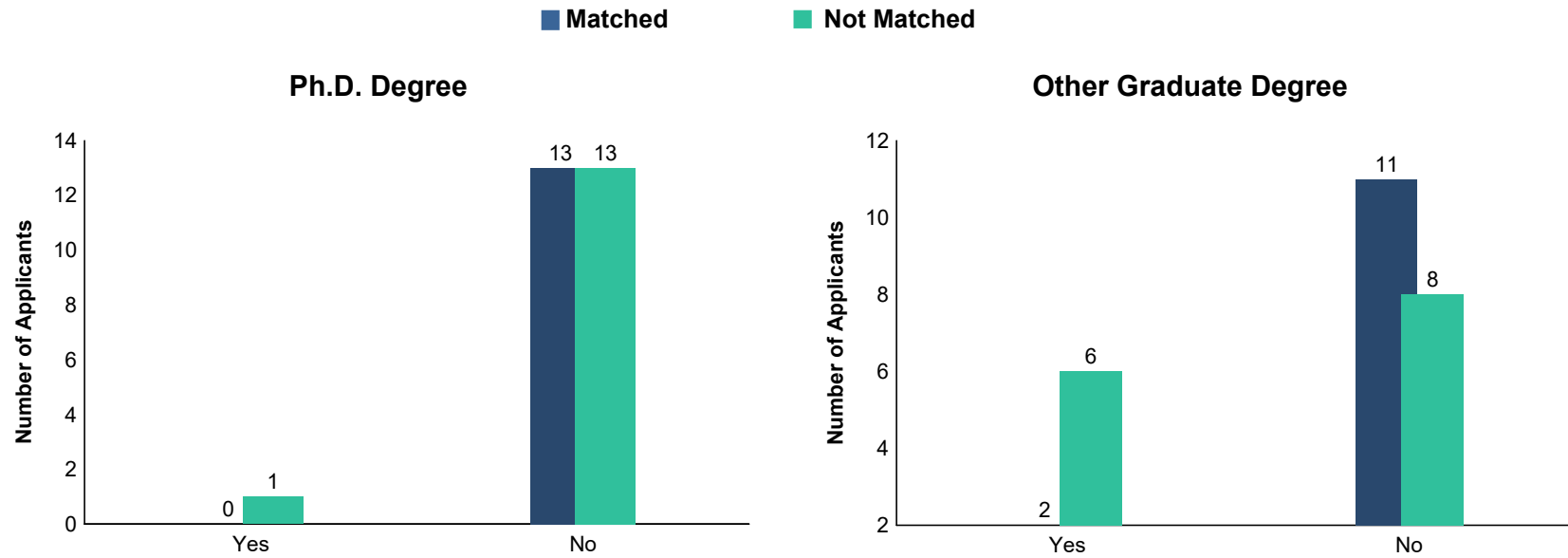
**Chart IR-10** Number of Volunteer Experiences of U.S. DO Seniors  
*Interventional Radiology*



Source: NRMP Data Warehouse

**Chart  
IR-11**

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



Source: NRMP Data Warehouse.

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**NS** Neurological Surgery

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

| Measure                                                      | Matched<br>(n=2) | Unmatched<br>(n=9) |
|--------------------------------------------------------------|------------------|--------------------|
| 1. Mean number of contiguous ranks                           | 10.0             | 4.2                |
| 2. Mean number of distinct specialties ranked                | 1.0              | 1.7                |
| 3. Mean COMLEX-USA Level 1 score*                            | 566              | 621                |
| 4. Mean COMLEX-USA Level 2-CE score                          | 686              | 529                |
| 5. Mean USMLE Step 1 score*                                  | 218              | 250                |
| 6. Mean USMLE Step 2 CK score                                | 256              | 241                |
| 7. Mean number of research experiences                       | 4.0              | 10.9               |
| 8. Mean number of abstracts, presentations, and publications | 23.0             | 11.0               |
| 9. Mean number of work experiences                           | 2.5              | 5.3                |
| 10. Mean number of volunteer experiences                     | 2.0              | 6.6                |
| 11. Percentage who have a Ph.D. degree                       | 0.0              | 0.0                |
| 12. Percentage who have another graduate degree              | 50.0             | 44.4               |

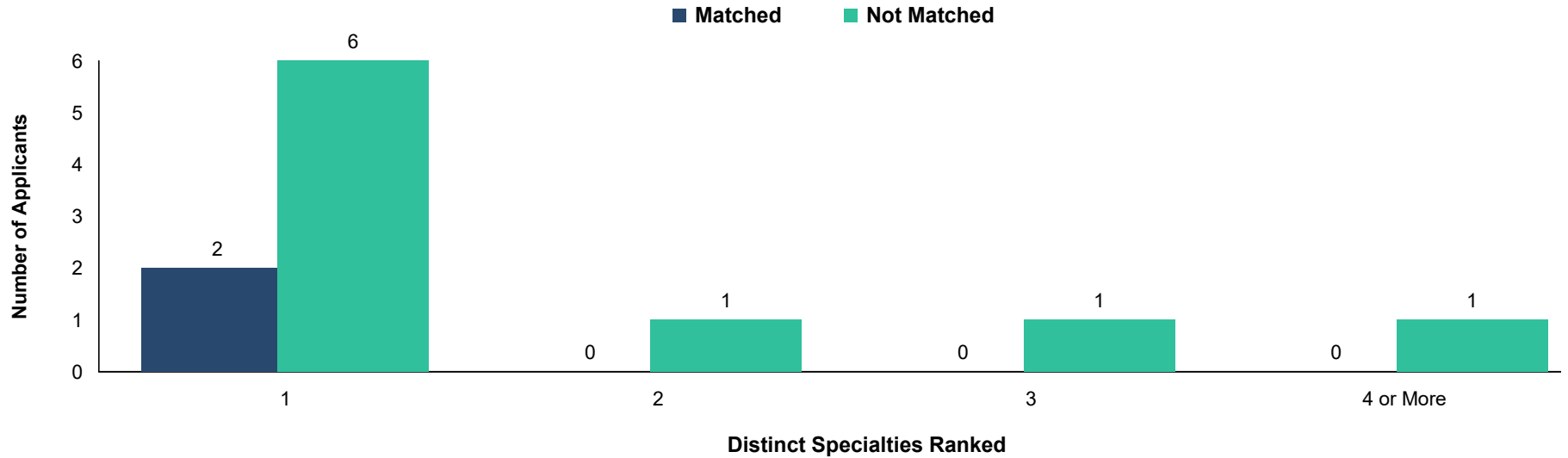
Source: NRMP Data Warehouse.

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

\*Only applicants who indicated completion of the COMLEX Level 1 or USMLE Step 1 exams prior to the transition to pass/fail (i.e., prior to May 10, 2022 for Level 1, January 26, 2022 for Step 1) had the option to self-report their numeric scores. In 2024, only 340 U.S. DO seniors self-reported Level 1 numeric scores, while only 123 reported Step 1 numeric scores.

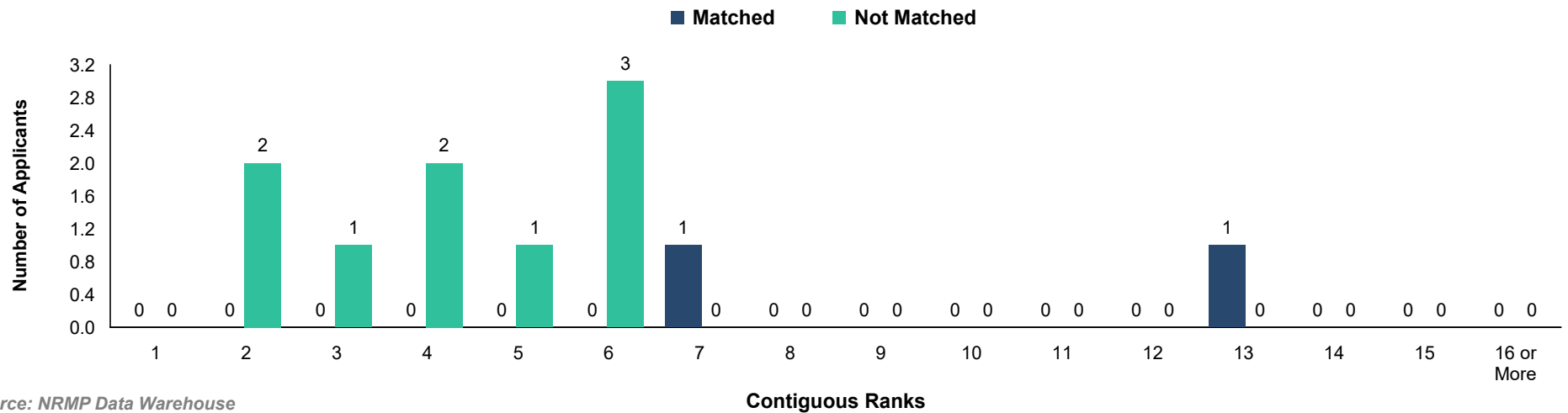
**Chart  
NS-1**

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



**Chart  
NS-2**

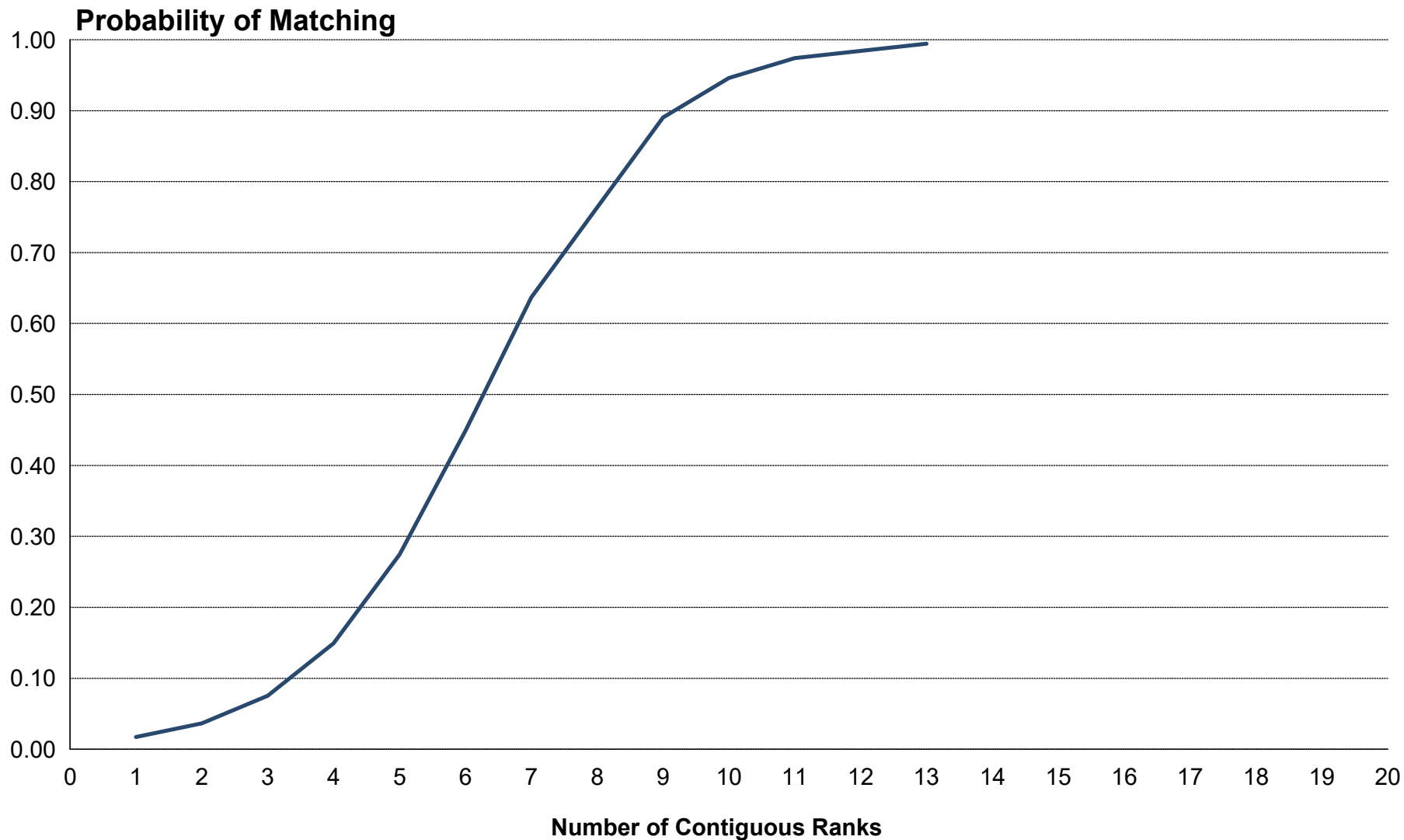
**Number of Contiguous Ranks of U.S. DO Seniors  
*Neurological Surgery***



Source: NRMP Data Warehouse

**Graph  
NS-1**

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

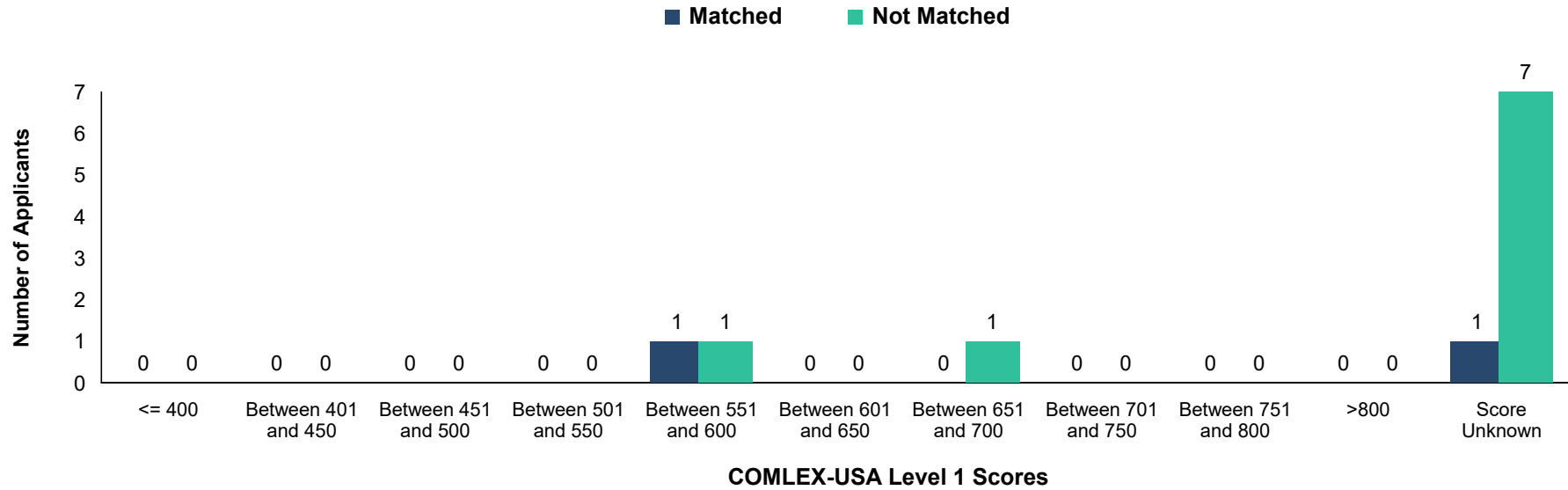


Source: NRMP Data Warehouse. Note: Probabilities calculated based on 2022-2024 applicants.



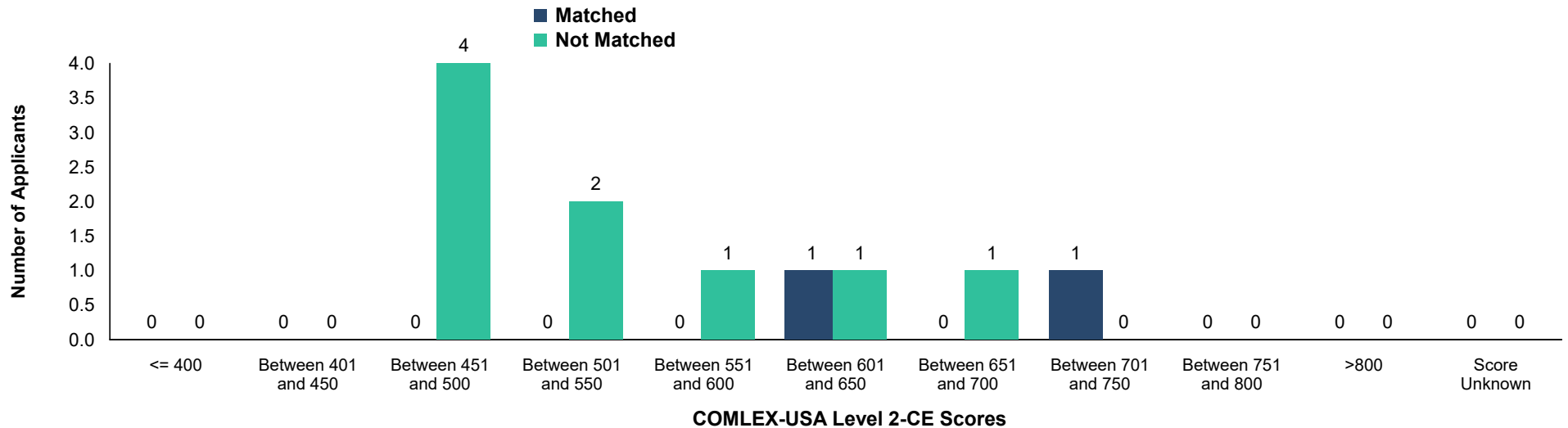
**Chart  
NS-3**

**COMLEX-USA Level 1 Scores of U.S. DO Seniors  
Neurological Surgery**



**Chart  
NS-4**

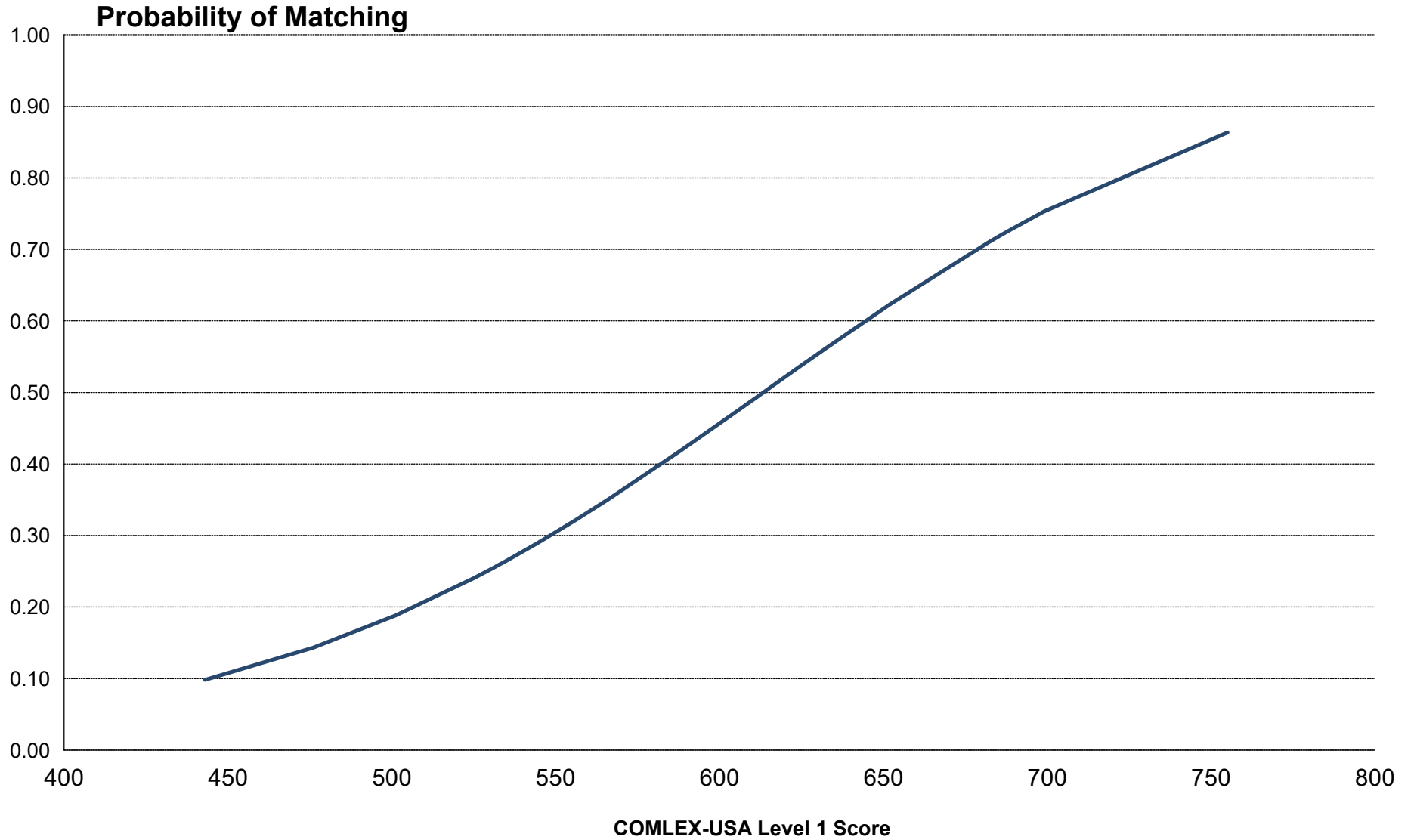
**COMLEX-USA Level 2-CE Scores of U.S. DO Seniors  
Neurological Surgery**



Source: NRMP Data Warehouse

**Graph  
NS-2**

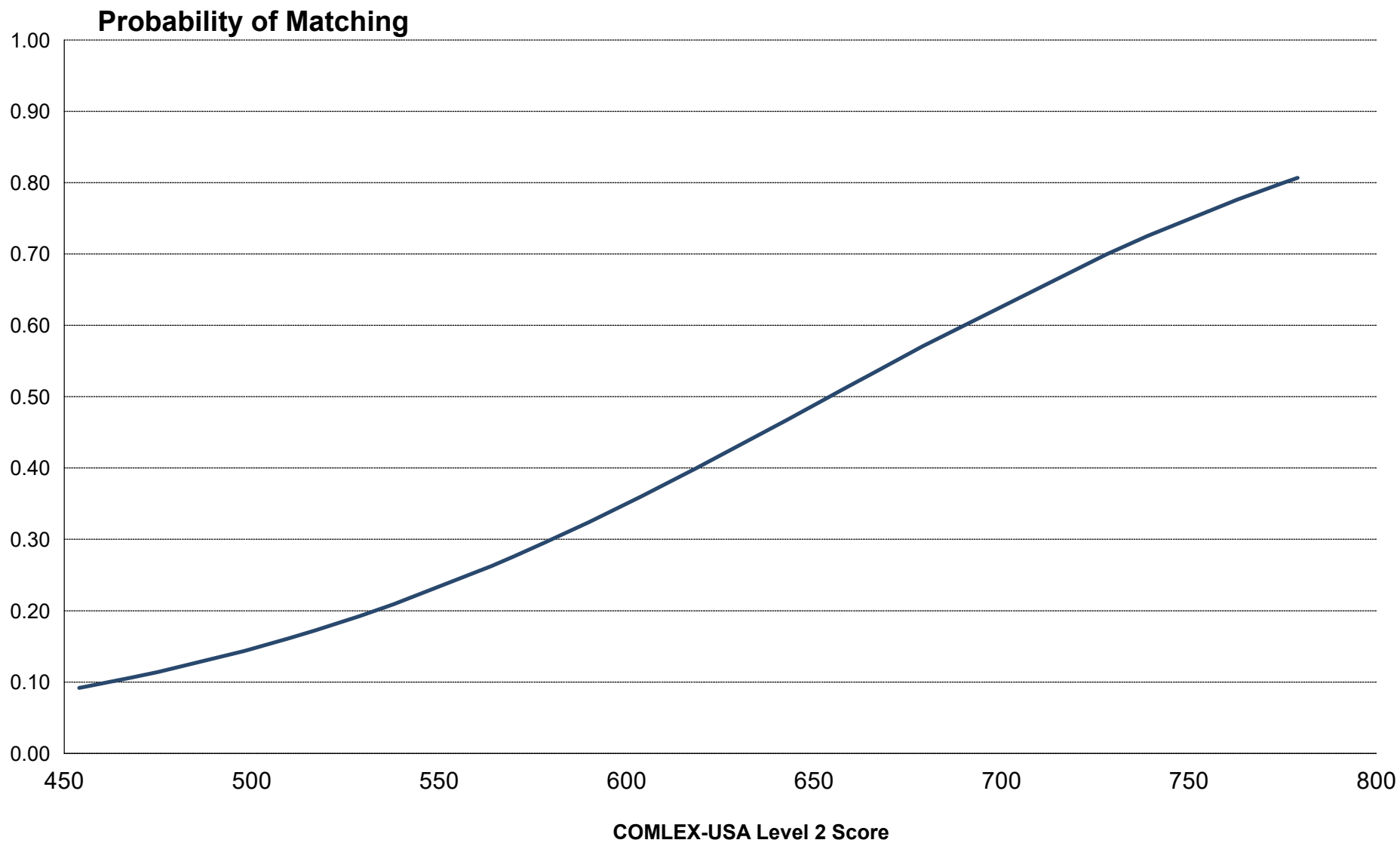
**Probability of U.S. DO Seniors Matching to Preferred Specialty by COMLEX-USA Level 1 Score**  
*Neurological Surgery*



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

**Graph  
NS-3**

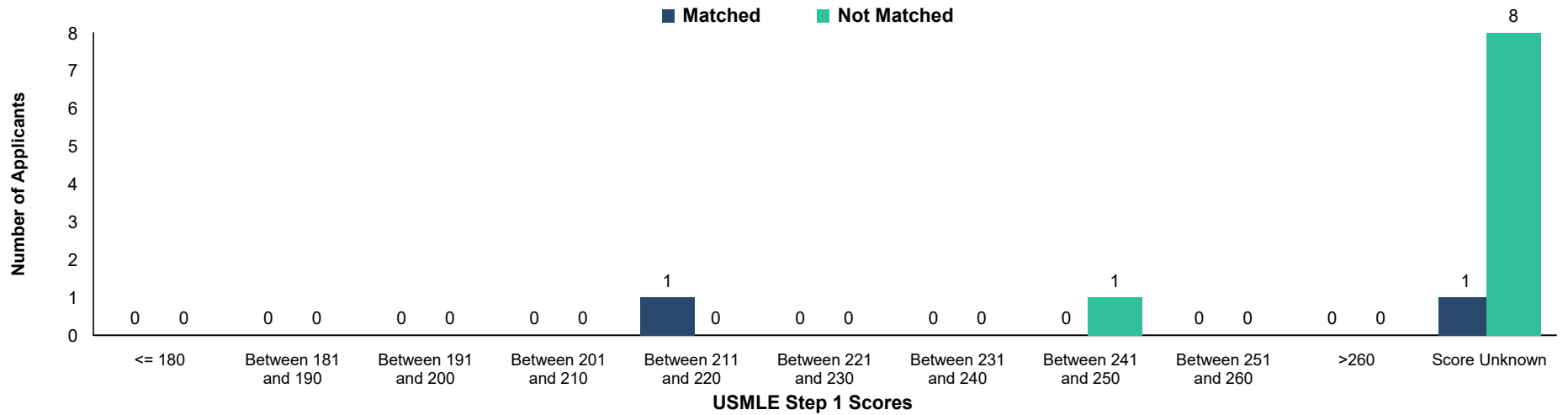
**Probability of U.S. DO Seniors Matching to Preferred Specialty by COMLEX-USA Level 2 Score**  
*Neurological Surgery*



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

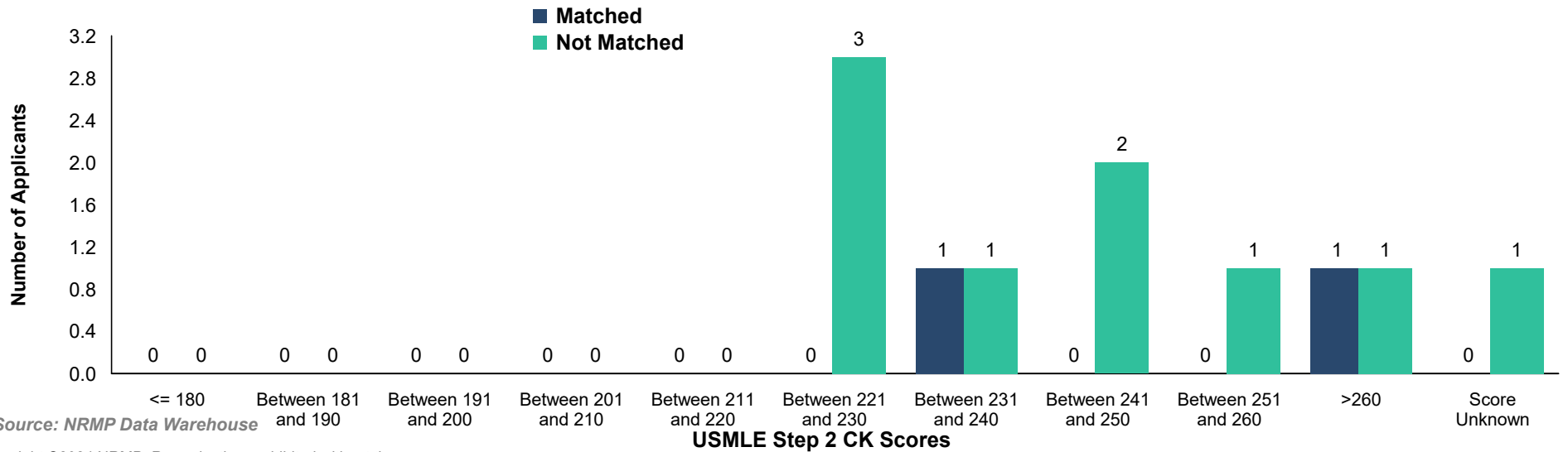
**Chart  
NS-5**

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



**Chart  
NS-6**

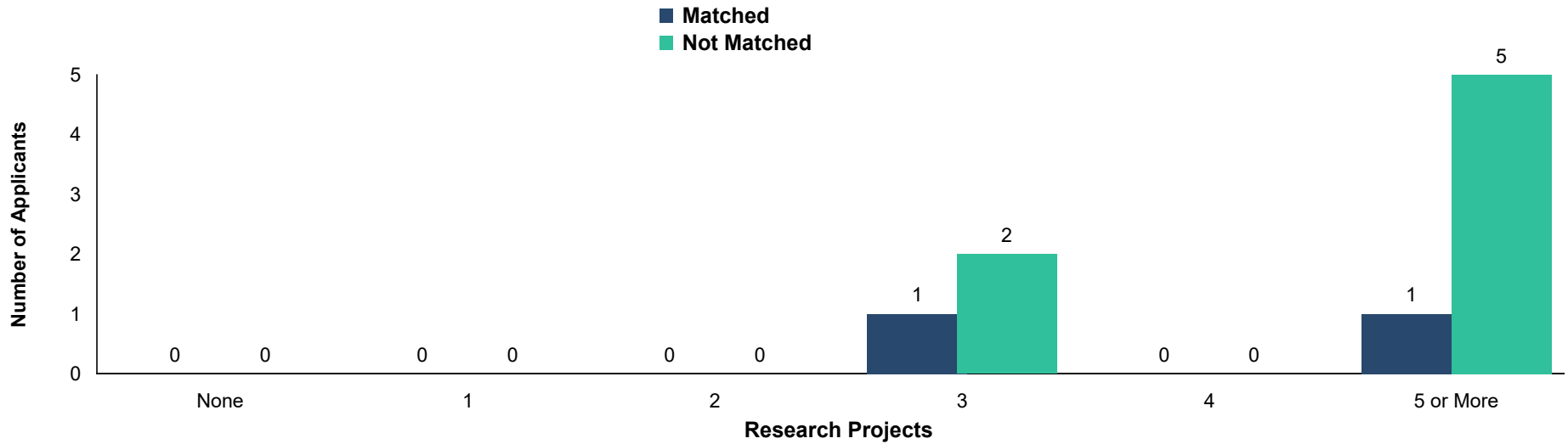
**USMLE Step 2 CK Scores of U.S. DO Seniors  
Neurological Surgery**



Source: NRMP Data Warehouse

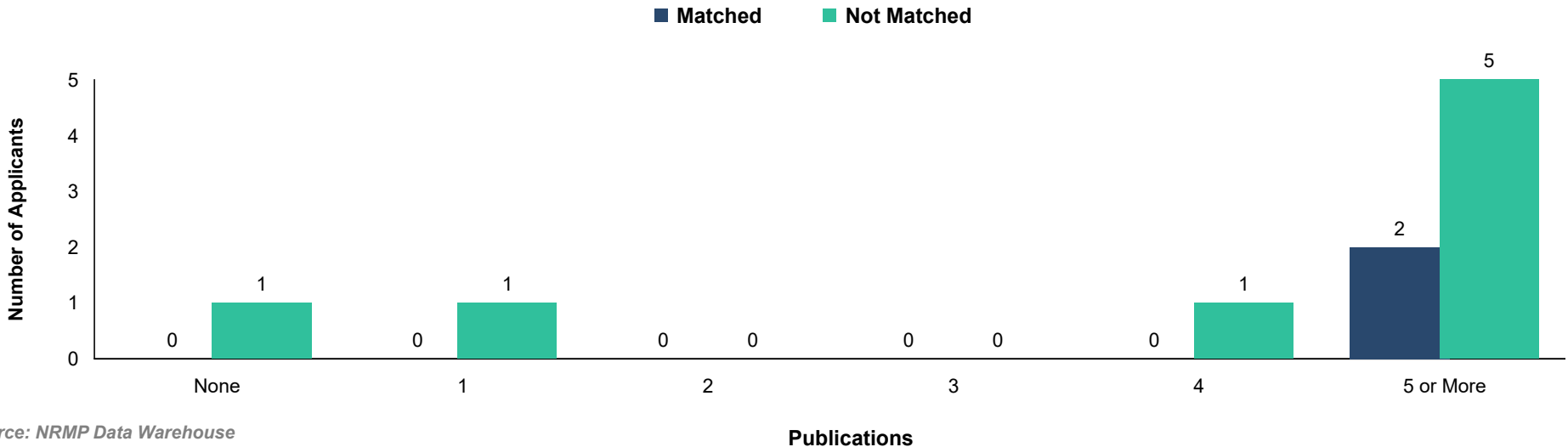
**Chart  
NS-7**

### Number of Research Projects of U.S. DO Seniors *Neurological Surgery*



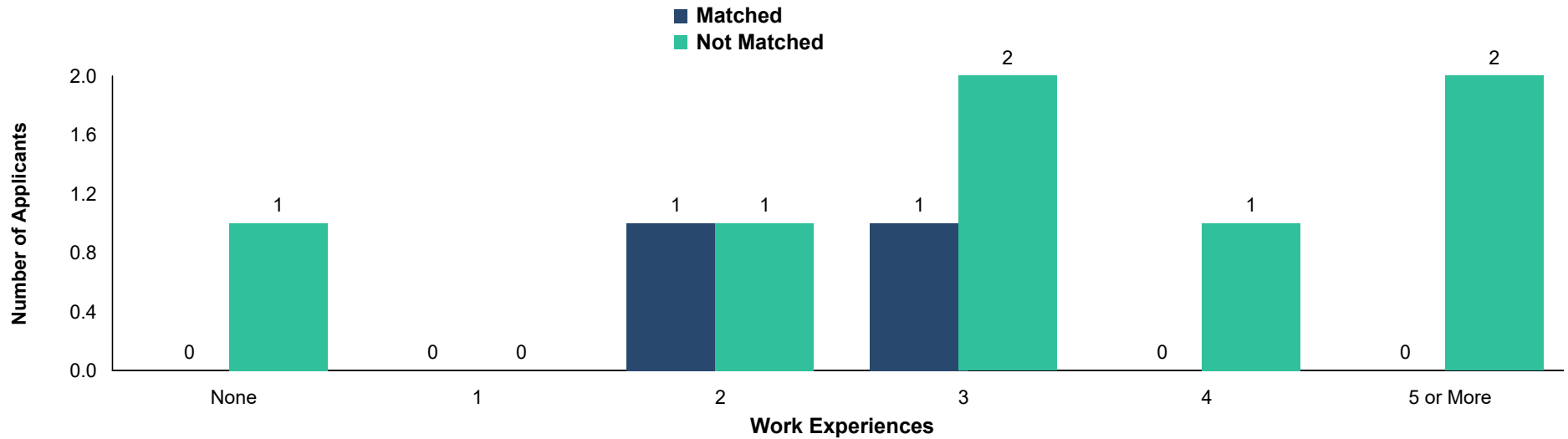
**Chart  
NS-8**

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

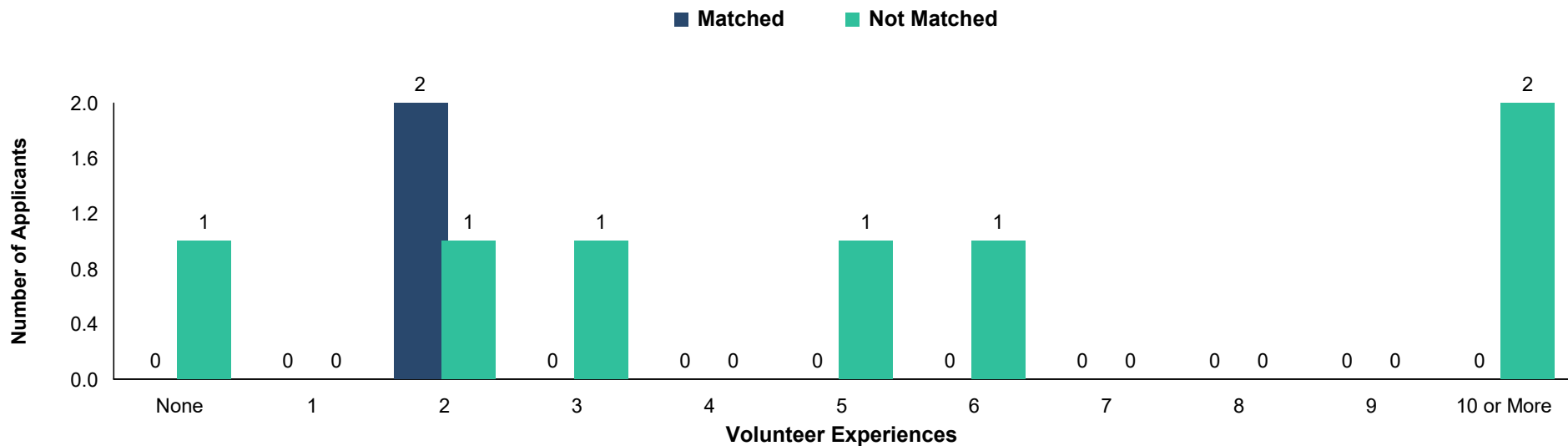


Source: NRMP Data Warehouse

**Chart NS-9** Number of Work Experiences of U.S. DO Seniors  
*Neurological Surgery*



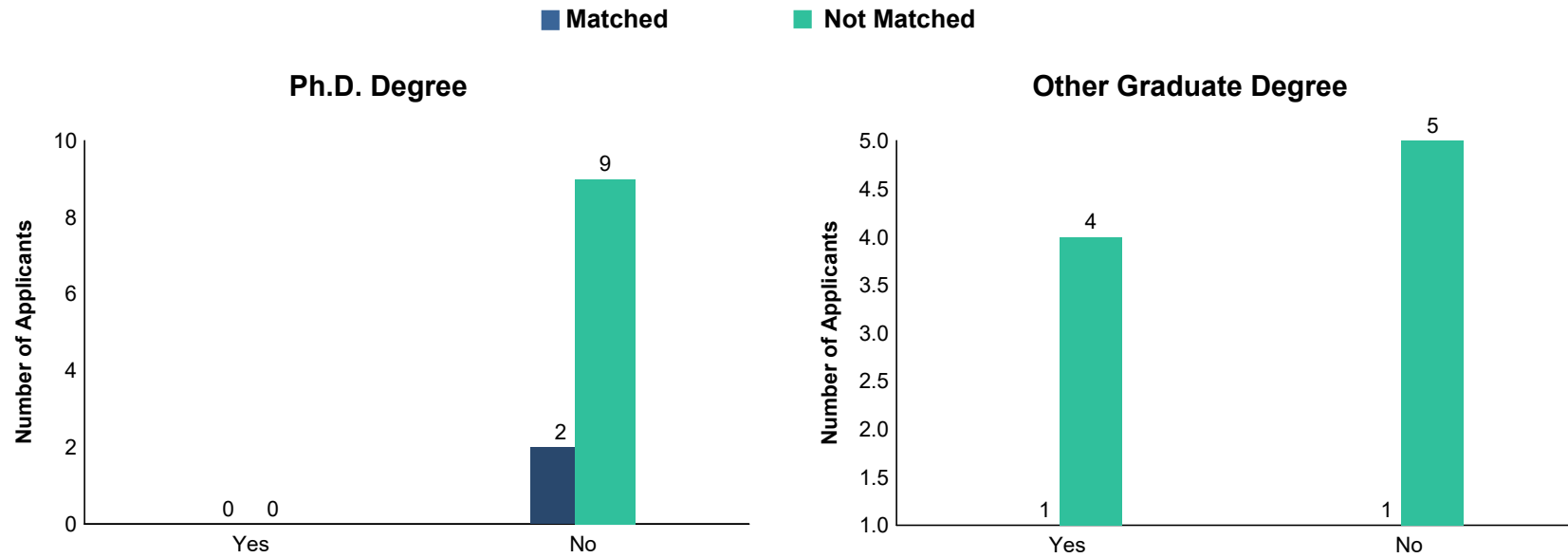
**Chart NS-10** Number of Volunteer Experiences of U.S. DO Seniors  
*Neurological Surgery*



Source: NRMP Data Warehouse

**Chart  
NS-11**

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



Source: NRMP Data Warehouse.

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**N** **Neurology**



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

| Measure                                                      | Matched<br>(n=140) | Unmatched<br>(n=21) |
|--------------------------------------------------------------|--------------------|---------------------|
| 1. Mean number of contiguous ranks                           | 11.7               | 6.1                 |
| 2. Mean number of distinct specialties ranked                | 1.3                | 1.5                 |
| 3. Mean COMLEX-USA Level 1 score*                            | 491                |                     |
| 4. Mean COMLEX-USA Level 2-CE score                          | 551                | 505                 |
| 5. Mean USMLE Step 1 score*                                  | 210                |                     |
| 6. Mean USMLE Step 2 CK score                                | 245                | 236                 |
| 7. Mean number of research experiences                       | 2.5                | 2.4                 |
| 8. Mean number of abstracts, presentations, and publications | 4.8                | 2.6                 |
| 9. Mean number of work experiences                           | 2.0                | 1.9                 |
| 10. Mean number of volunteer experiences                     | 4.0                | 4.0                 |
| 11. Percentage who have a Ph.D. degree                       | 0.0                | 0.0                 |
| 12. Percentage who have another graduate degree              | 24.4               | 45.0                |

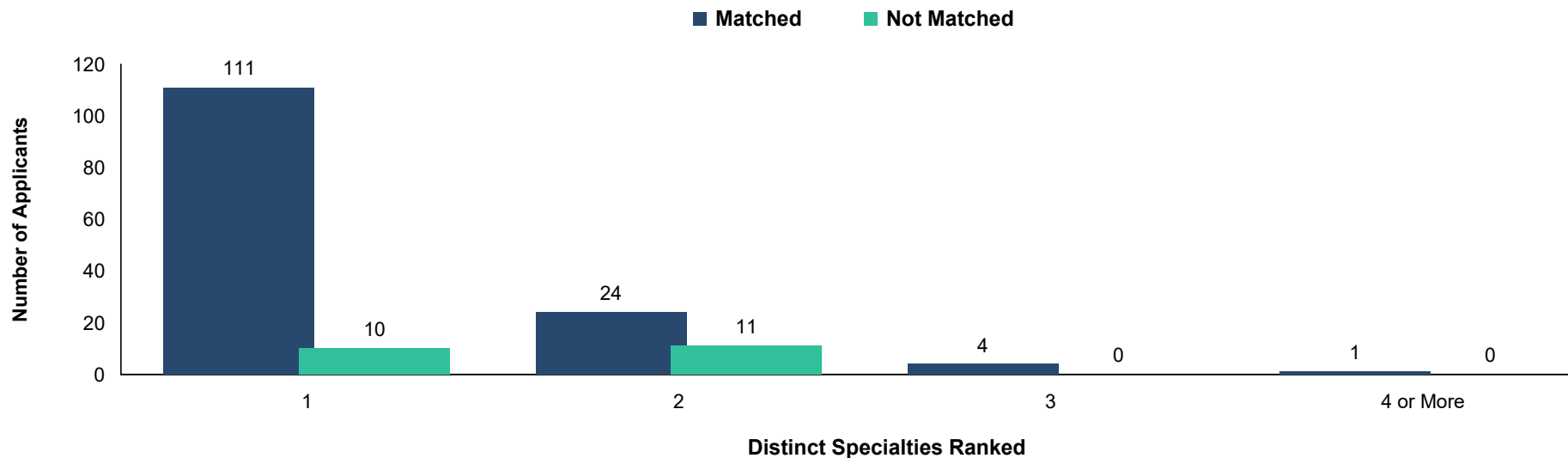
Source: NRMP Data Warehouse.

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

\*Only applicants who indicated completion of the COMLEX Level 1 or USMLE Step 1 exams prior to the transition to pass/fail (i.e., prior to May 10, 2022 for Level 1, January 26, 2022 for Step 1) had the option to self-report their numeric scores. In 2024, only 340 U.S. DO seniors self-reported Level 1 numeric scores, while only 123 reported Step 1 numeric scores.

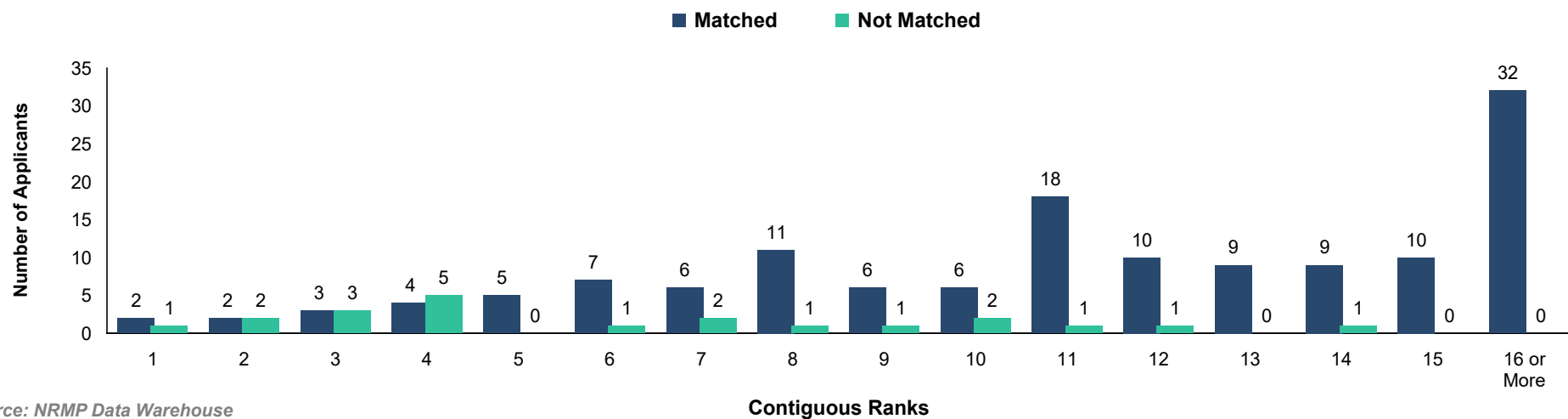
**Chart  
N-1**

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



**Chart  
N-2**

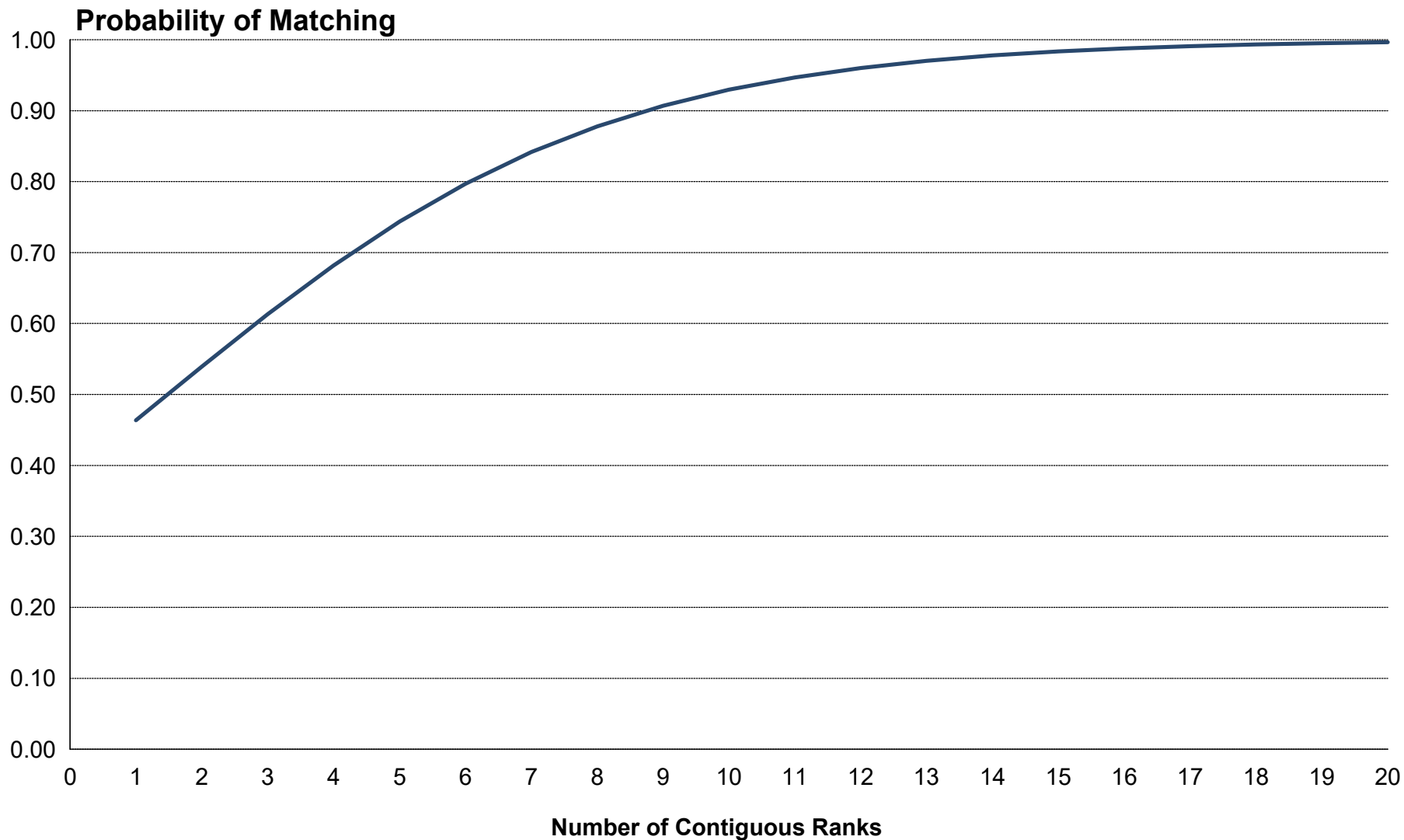
**Number of Contiguous Ranks of U.S. DO Seniors  
Neurology**



Source: NRMP Data Warehouse

**Graph  
N-1**

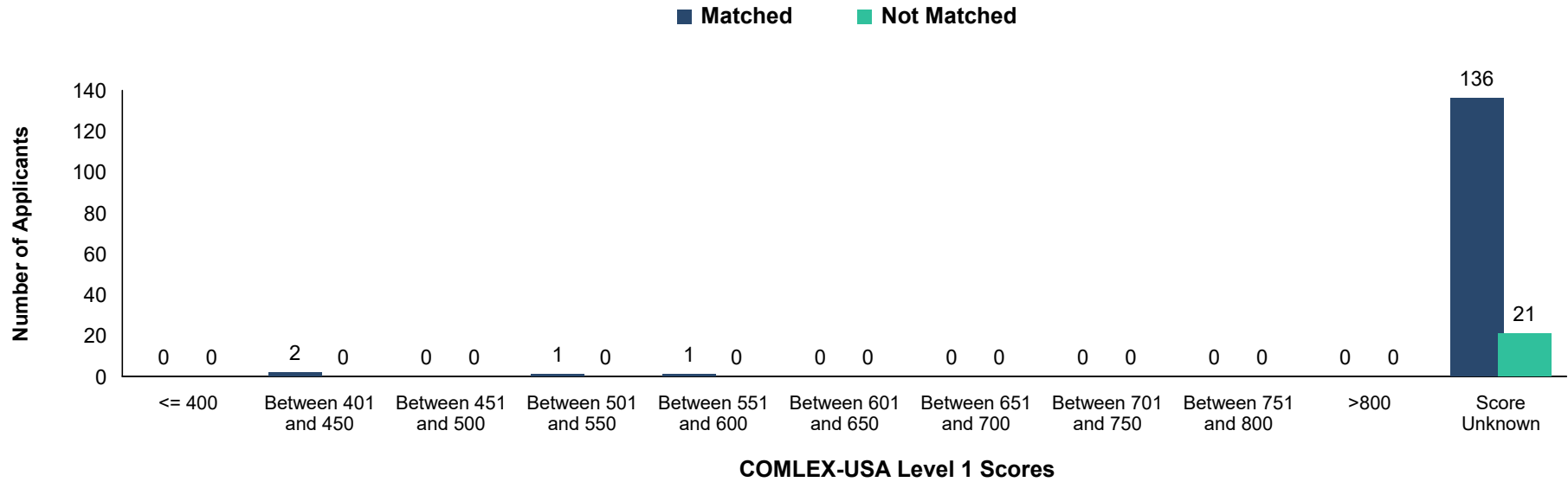
**Probability of U.S. DO Seniors Matching to Preferred Specialty by Number of Contiguous Ranks**  
*Neurology*



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

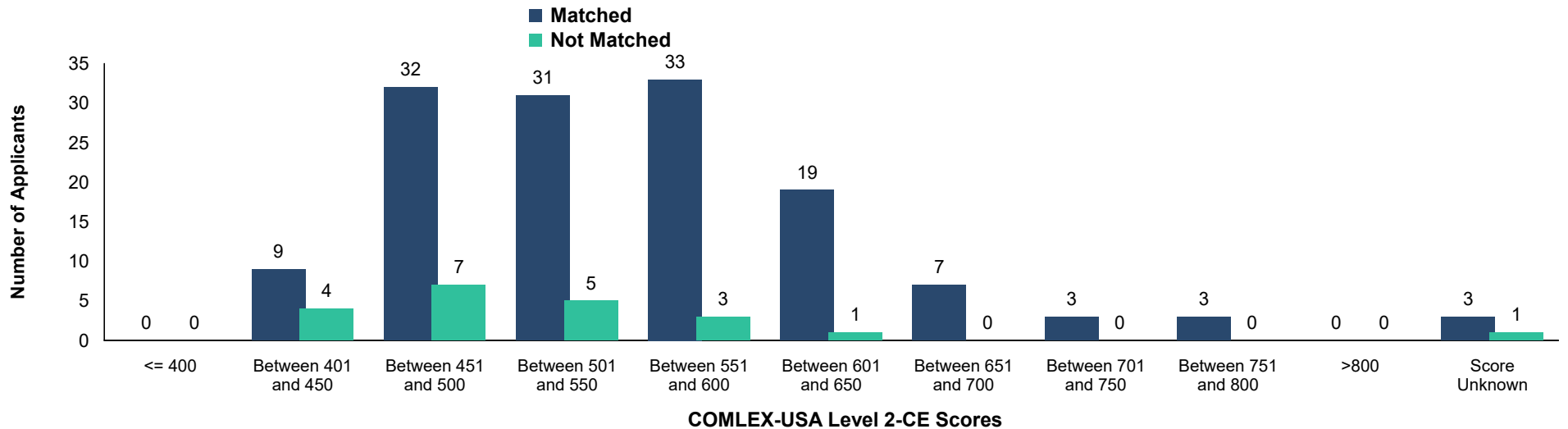
**Chart N-3**

**COMLEX-USA Level 1 Scores of U.S. DO Seniors**  
*Neurology*



**Chart N-4**

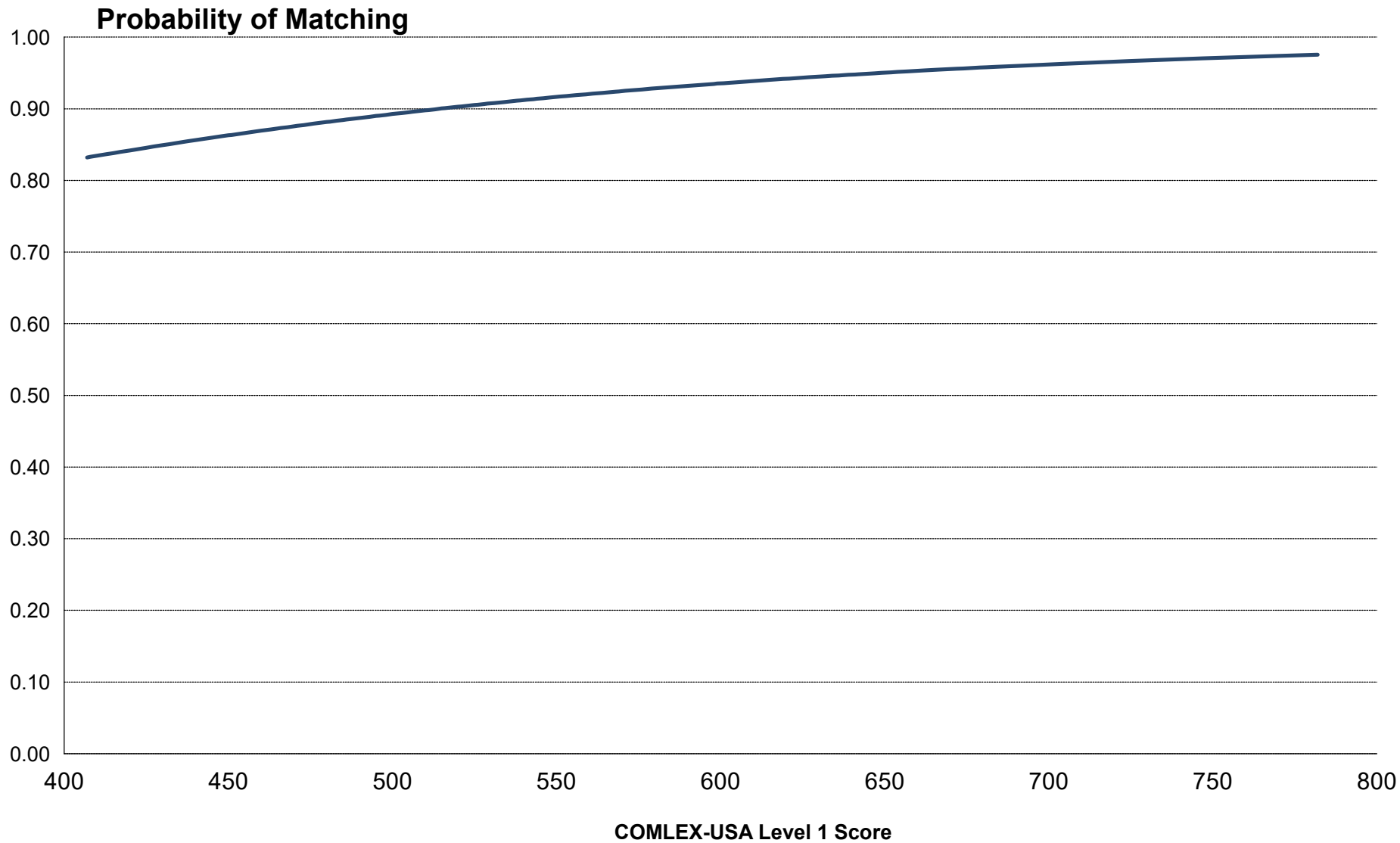
**COMLEX-USA Level 2-CE Scores of U.S. DO Seniors**  
*Neurology*



Source: NRMP Data Warehouse

**Graph  
N-2**

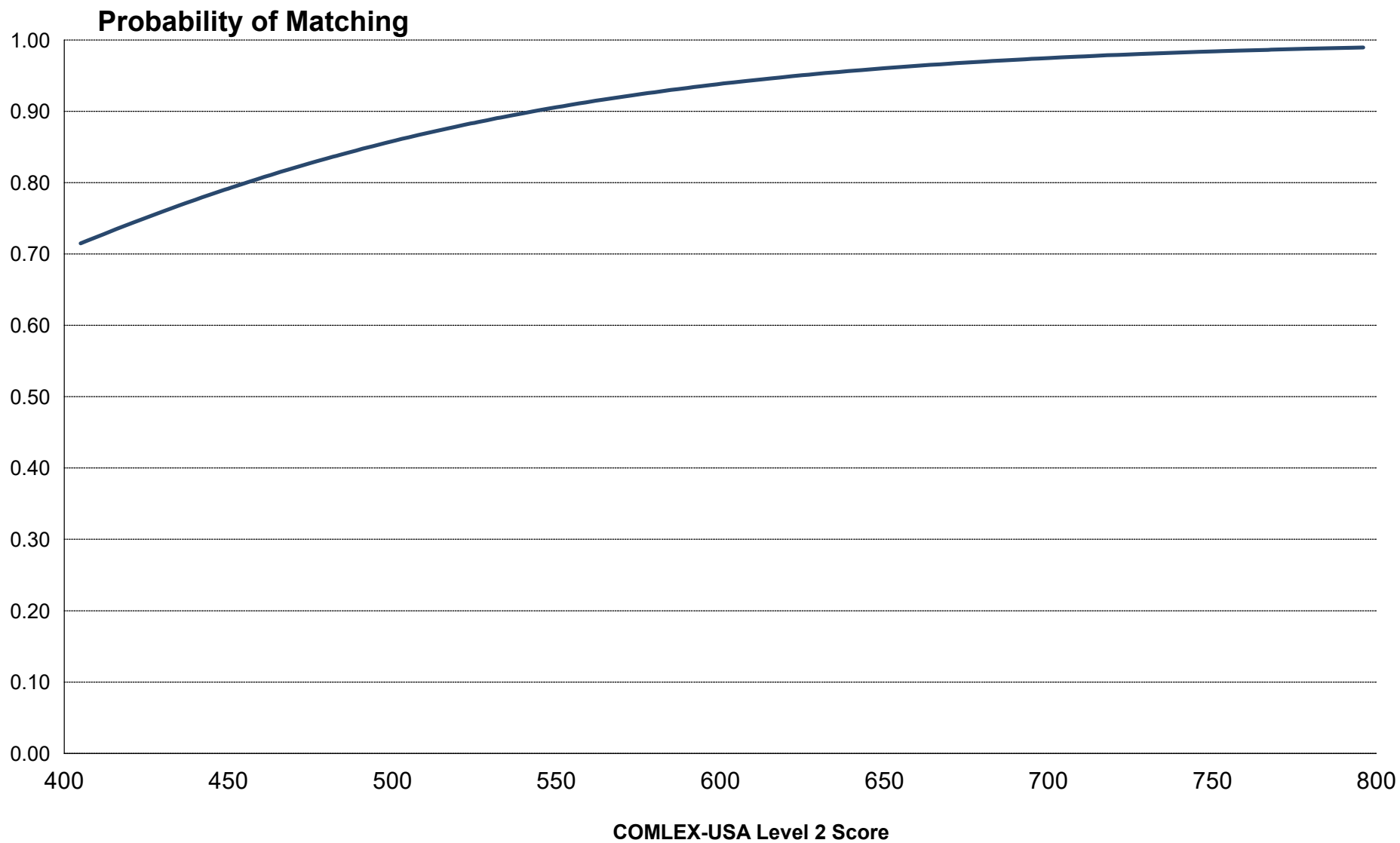
**Probability of U.S. DO Seniors Matching to Preferred Specialty by COMLEX-USA Level 1 Score**  
*Neurology*



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

**Graph  
N-3**

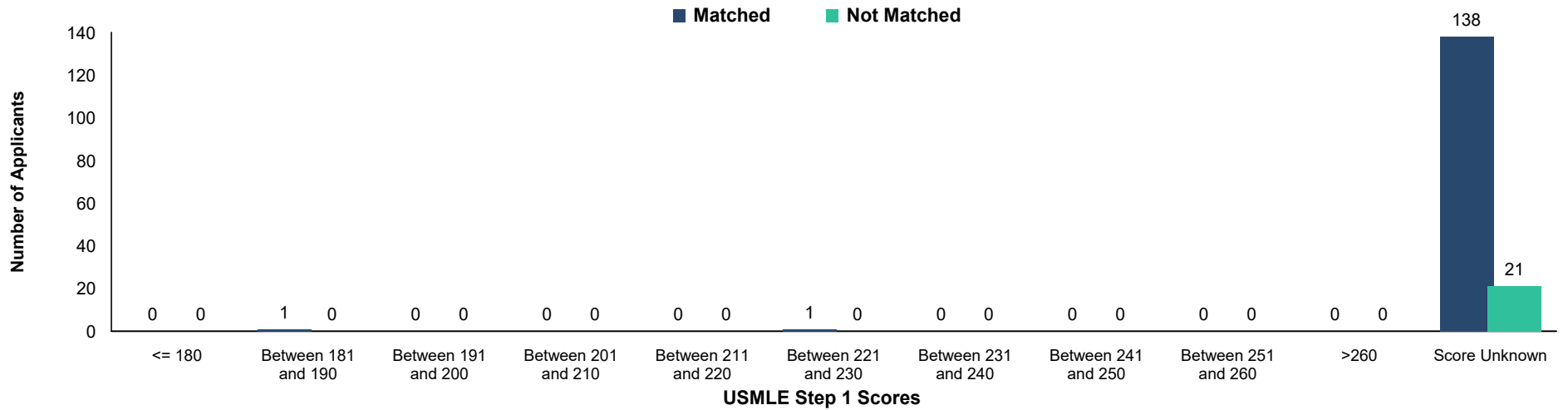
**Probability of U.S. DO Seniors Matching to Preferred Specialty by COMLEX-USA Level 2 Score**  
*Neurology*



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

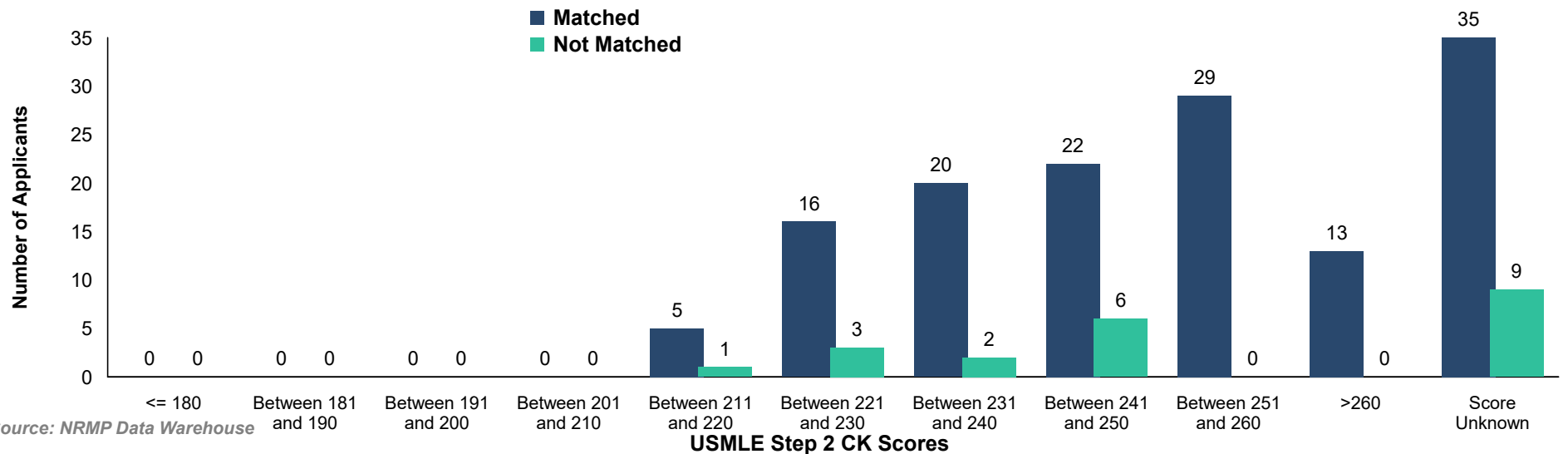
**Chart  
N-5**

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



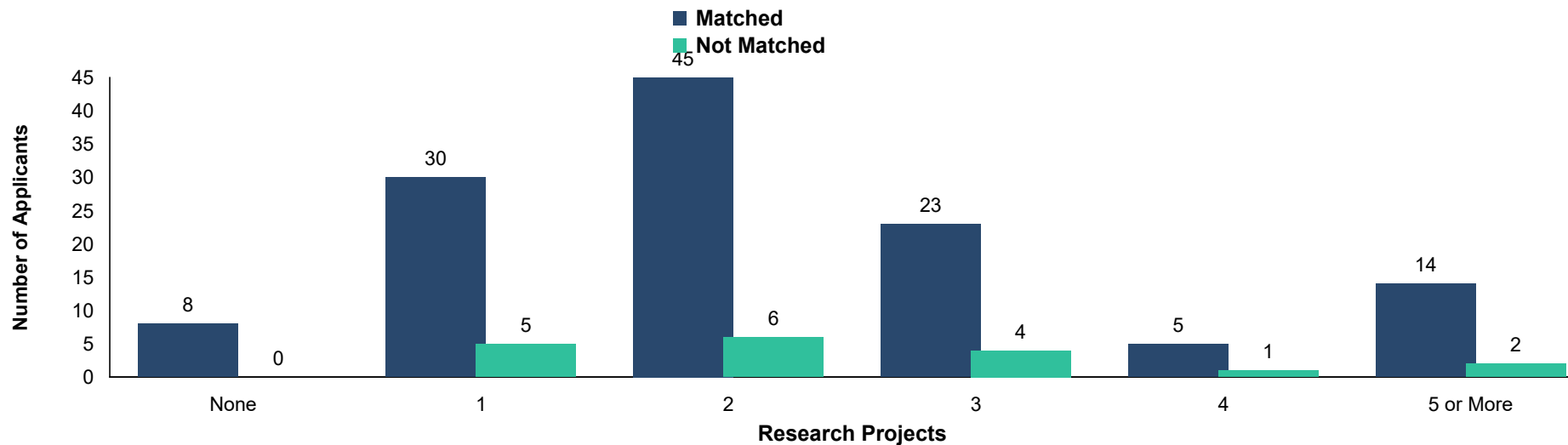
**Chart  
N-6**

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

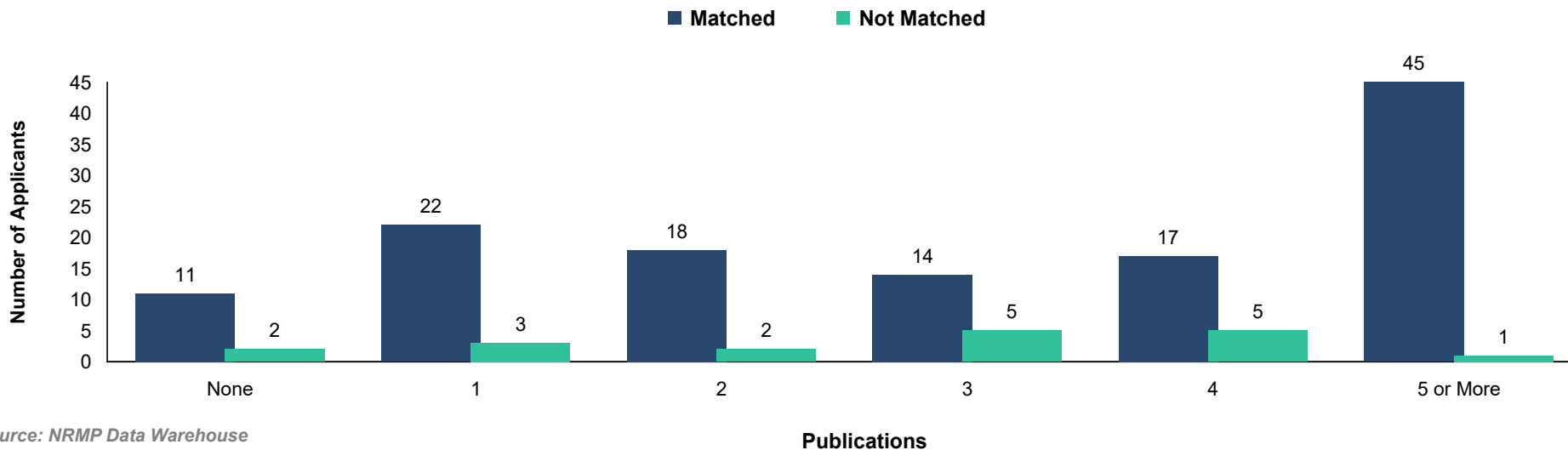


Source: NRMP Data Warehouse

**Chart N-7** Number of Research Projects of U.S. DO Seniors  
*Neurology*



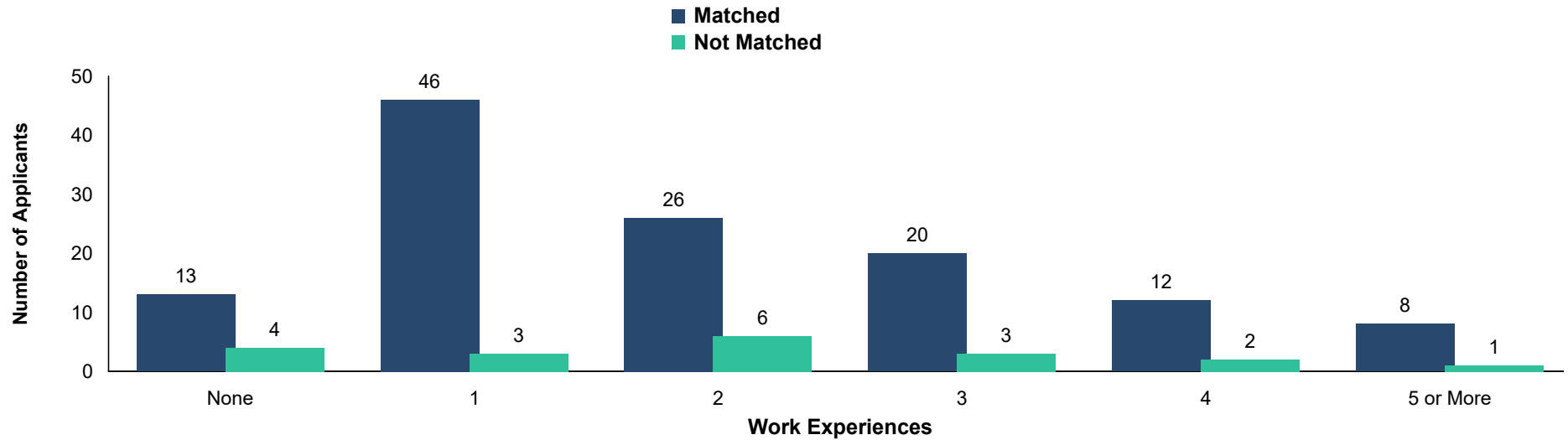
**Chart N-8** Number of Abstracts, Presentations, and Publications of U.S. DO Seniors  
*Neurology*



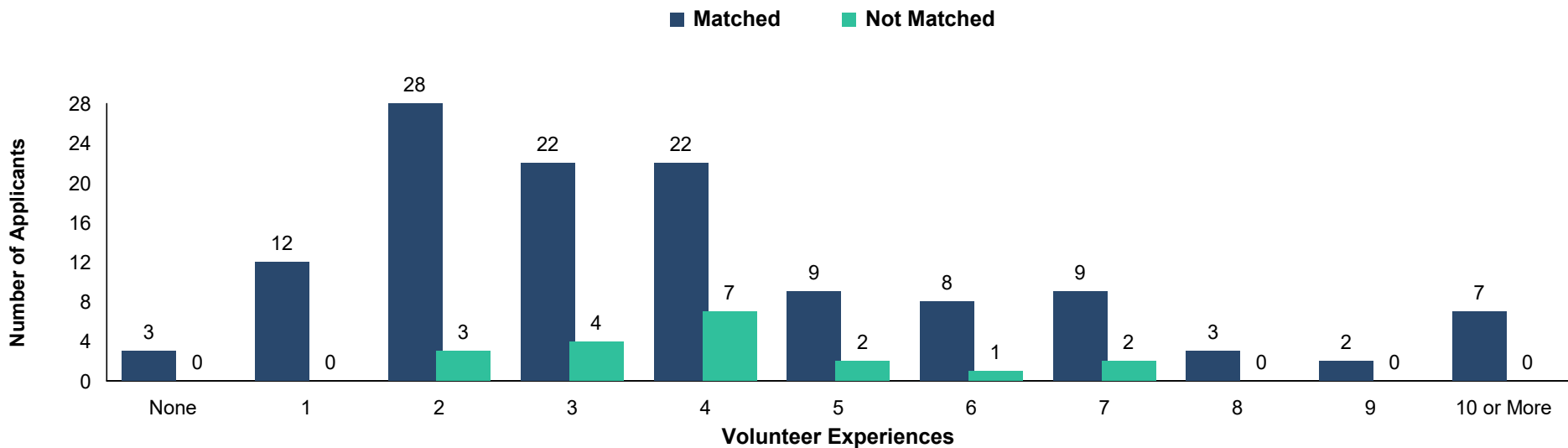
Source: NRMP Data Warehouse



**Chart N-9** Number of Work Experiences of U.S. DO Seniors  
*Neurology*



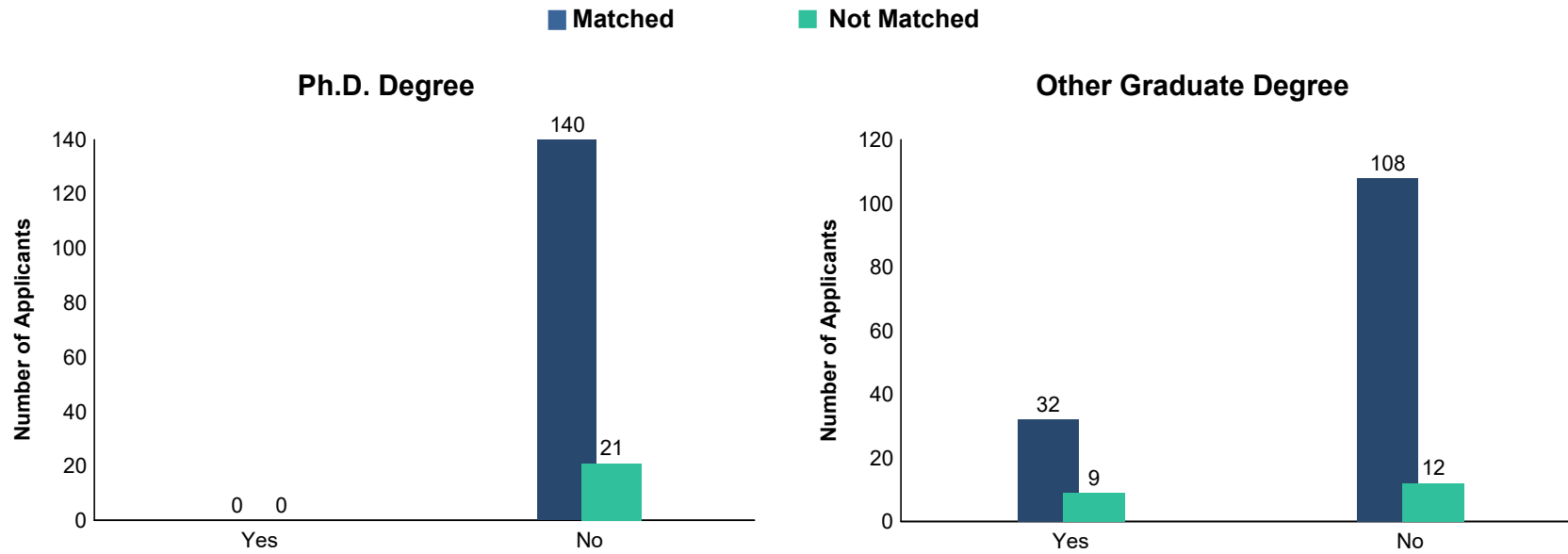
**Chart N-10** Number of Volunteer Experiences of U.S. DO Seniors  
*Neurology*



Source: NRMP Data Warehouse

**Chart  
N-11**

**Other Characteristics of U.S. DO Seniors**  
*Neurology*



Source: NRMP Data Warehouse.

**OB**

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## **Obstetrics and Gynecology**

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

| Measure                                                      | Matched<br>(n=246) | Unmatched<br>(n=116) |
|--------------------------------------------------------------|--------------------|----------------------|
| 1. Mean number of contiguous ranks                           | 10.0               | 5.5                  |
| 2. Mean number of distinct specialties ranked                | 1.3                | 1.6                  |
| 3. Mean COMLEX-USA Level 1 score*                            | 564                | 533                  |
| 4. Mean COMLEX-USA Level 2-CE score                          | 576                | 510                  |
| 5. Mean USMLE Step 1 score*                                  | 220                | 219                  |
| 6. Mean USMLE Step 2 CK score                                | 245                | 234                  |
| 7. Mean number of research experiences                       | 3.1                | 2.6                  |
| 8. Mean number of abstracts, presentations, and publications | 6.4                | 4.7                  |
| 9. Mean number of work experiences                           | 2.2                | 2.6                  |
| 10. Mean number of volunteer experiences                     | 4.8                | 4.8                  |
| 11. Percentage who have a Ph.D. degree                       | 0.9                | 0.0                  |
| 12. Percentage who have another graduate degree              | 29.1               | 33.0                 |

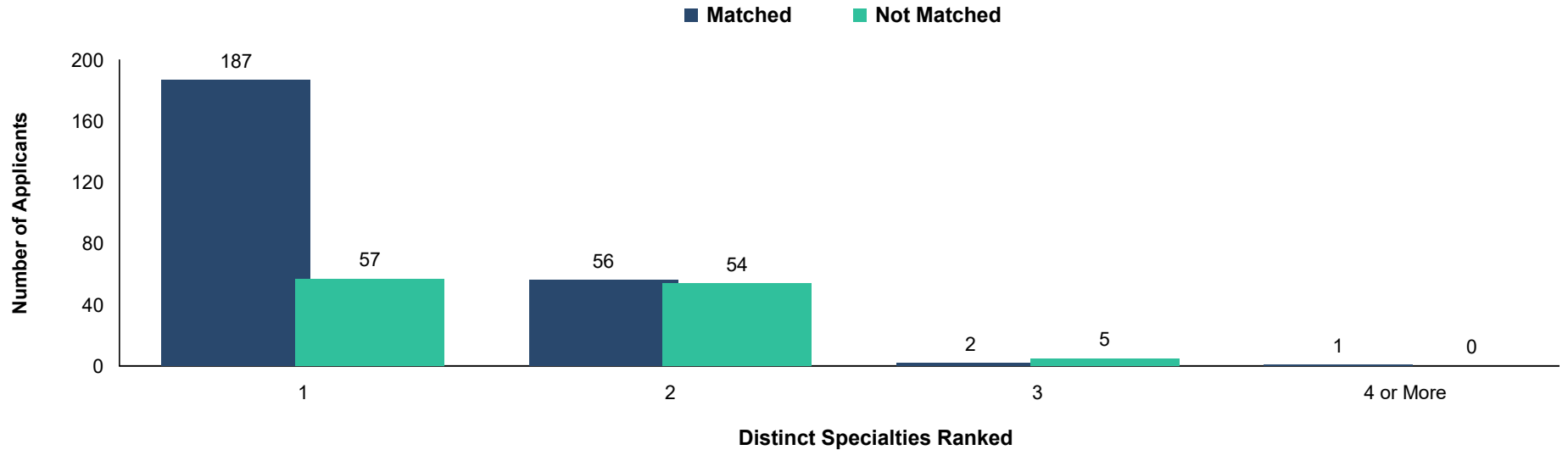
Source: NRMP Data Warehouse.

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

\*Only applicants who indicated completion of the COMLEX Level 1 or USMLE Step 1 exams prior to the transition to pass/fail (i.e., prior to May 10, 2022 for Level 1, January 26, 2022 for Step 1) had the option to self-report their numeric scores. In 2024, only 340 U.S. DO seniors self-reported Level 1 numeric scores, while only 123 reported Step 1 numeric scores.

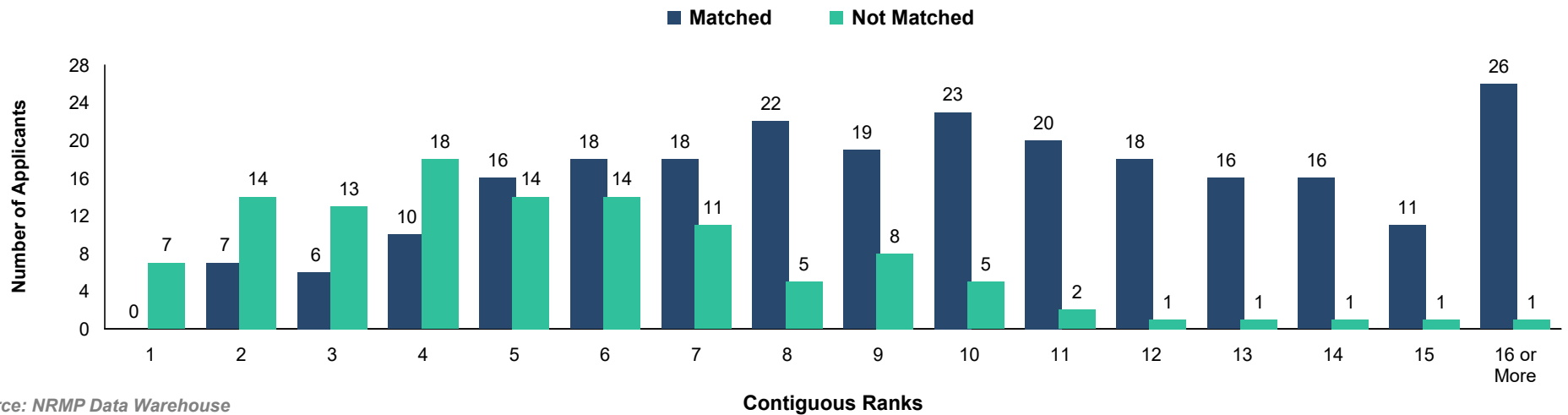
**Chart  
OB-1**

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



**Chart  
OB-2**

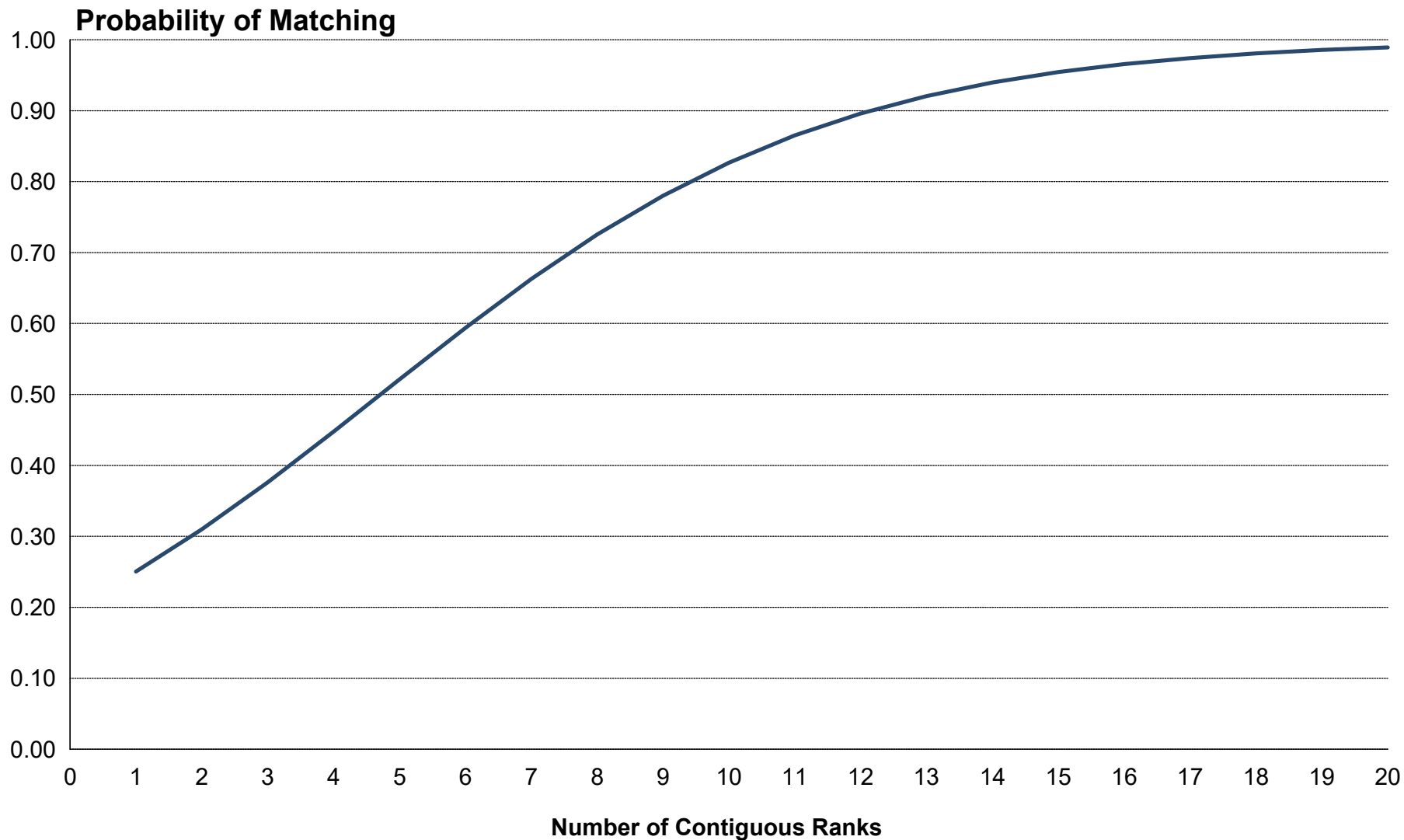
**Number of Contiguous Ranks of U.S. DO Seniors  
*Obstetrics and Gynecology***



Source: NRMP Data Warehouse

**Graph  
OB-1**

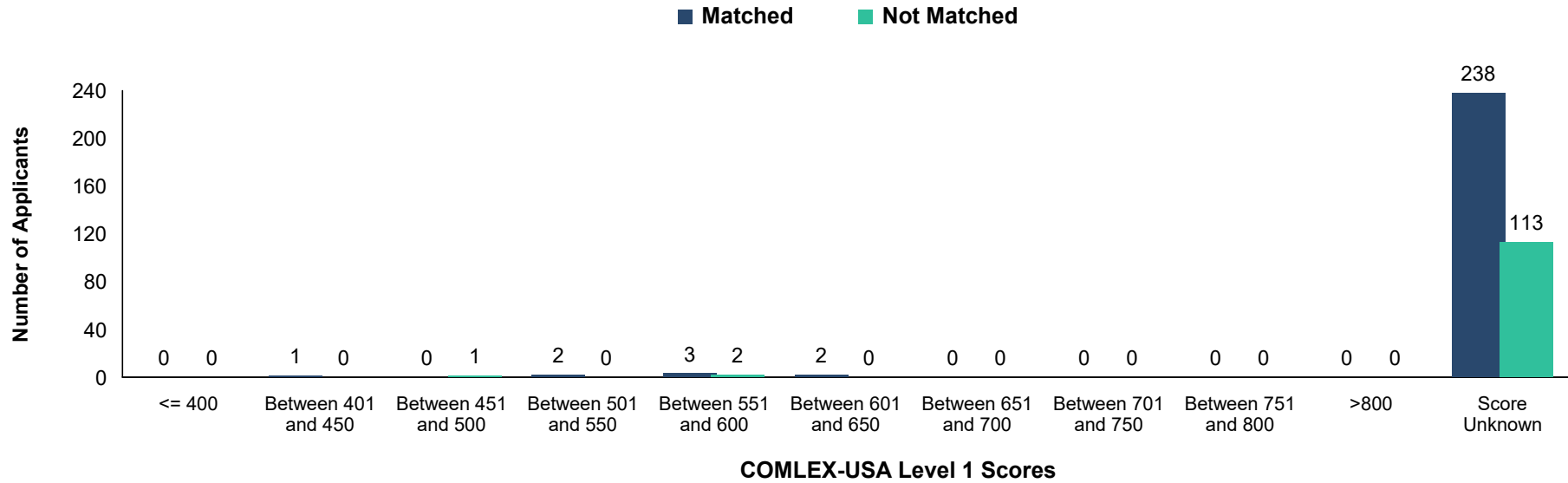
**Probability of U.S. DO Seniors Matching to Preferred Specialty by Number of Contiguous Ranks**  
*Obstetrics and Gynecology*



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

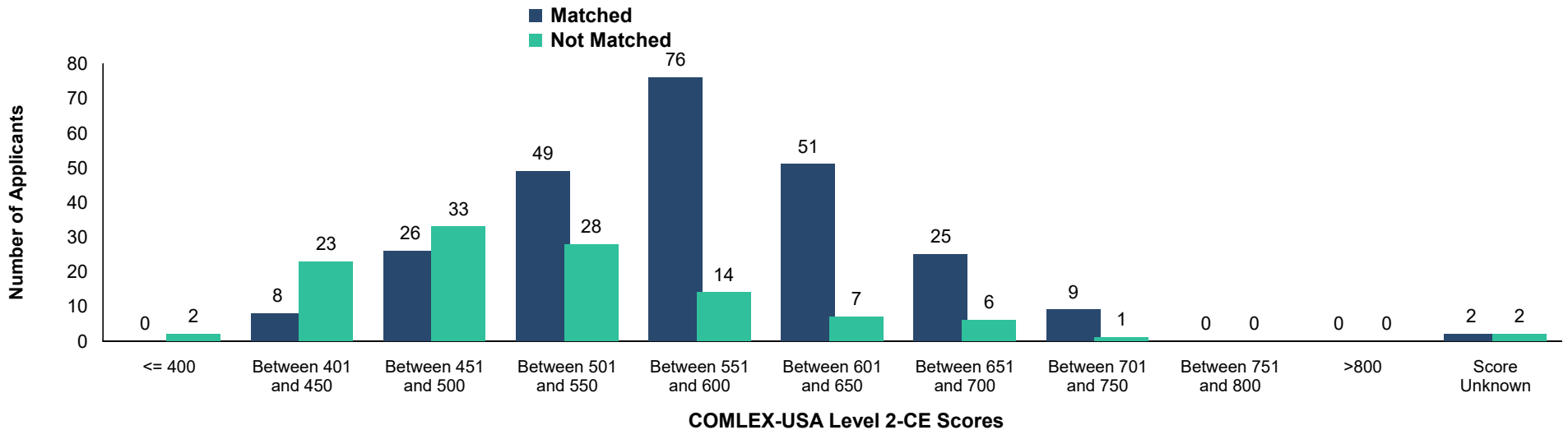
**Chart  
OB-3**

**COMLEX-USA Level 1 Scores of U.S. DO Seniors  
Obstetrics and Gynecology**



**Chart  
OB-4**

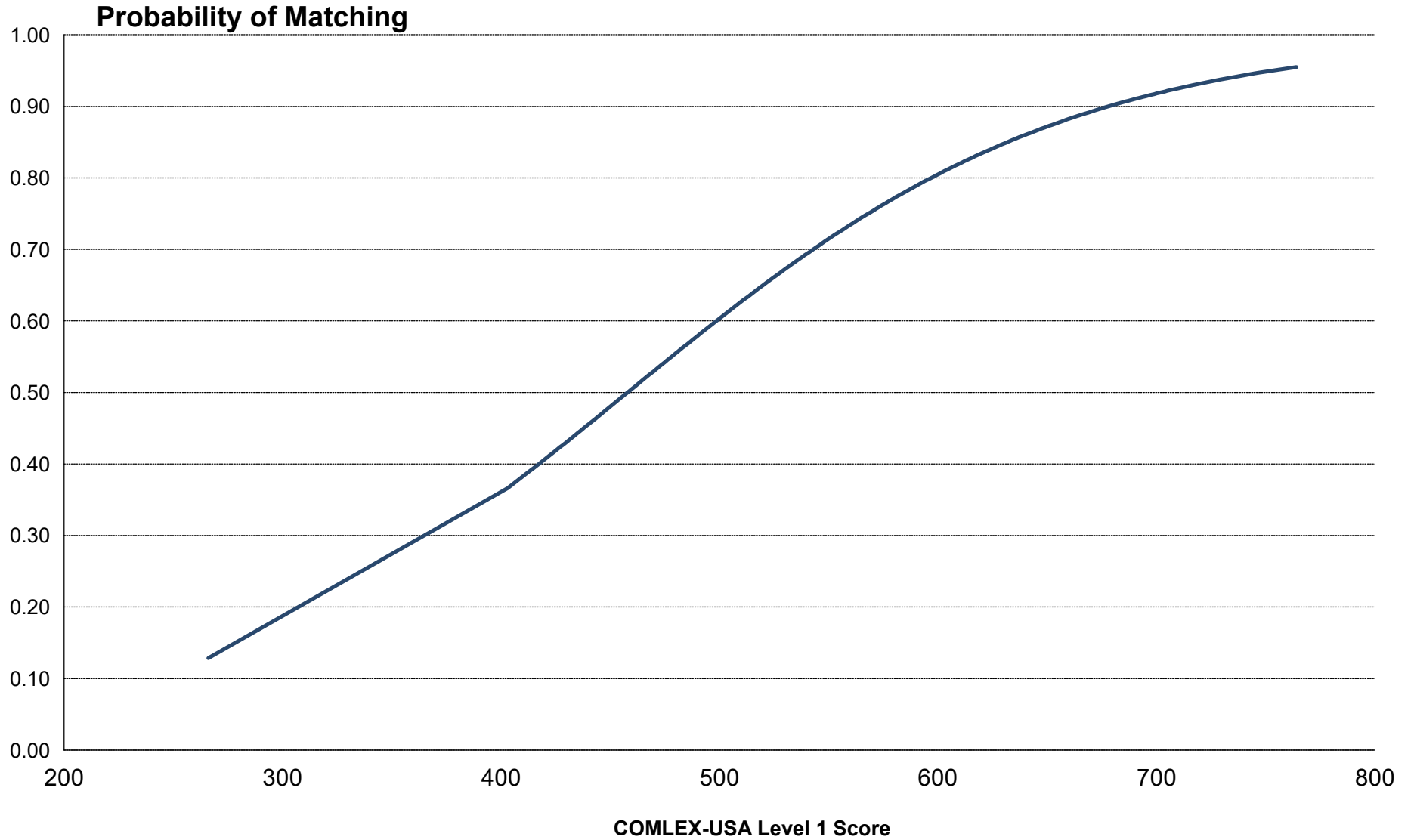
**COMLEX-USA Level 2-CE Scores of U.S. DO Seniors  
Obstetrics and Gynecology**



Source: NRMP Data Warehouse

**Graph  
OB-2**

**Probability of U.S. DO Seniors Matching to Preferred Specialty by COMLEX-USA Level 1 Score**  
*Obstetrics and Gynecology*

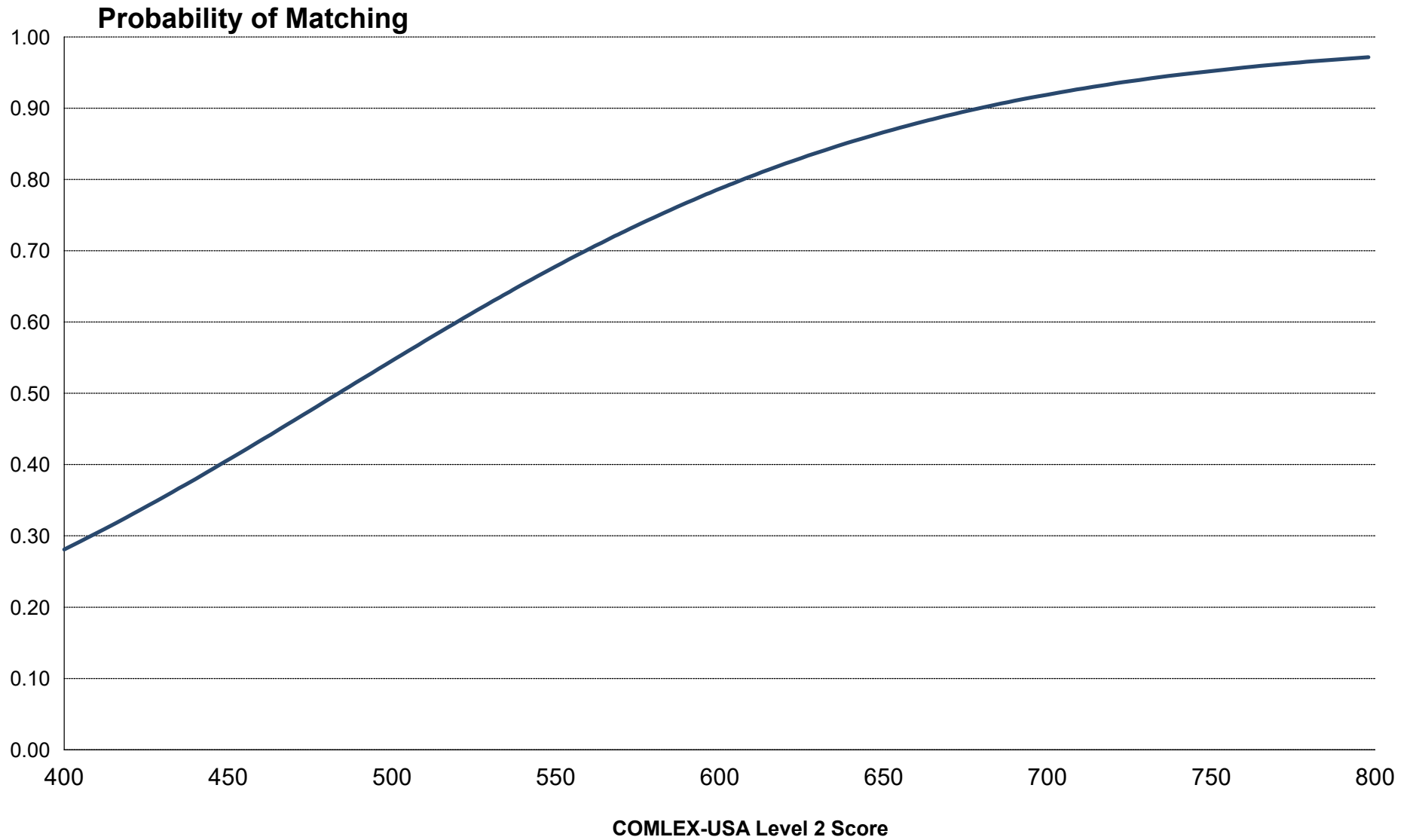


Source: NRMP Data Warehouse. Note: Probabilities calculated based on 2022-2024 applicants.



**Graph  
OB-3**

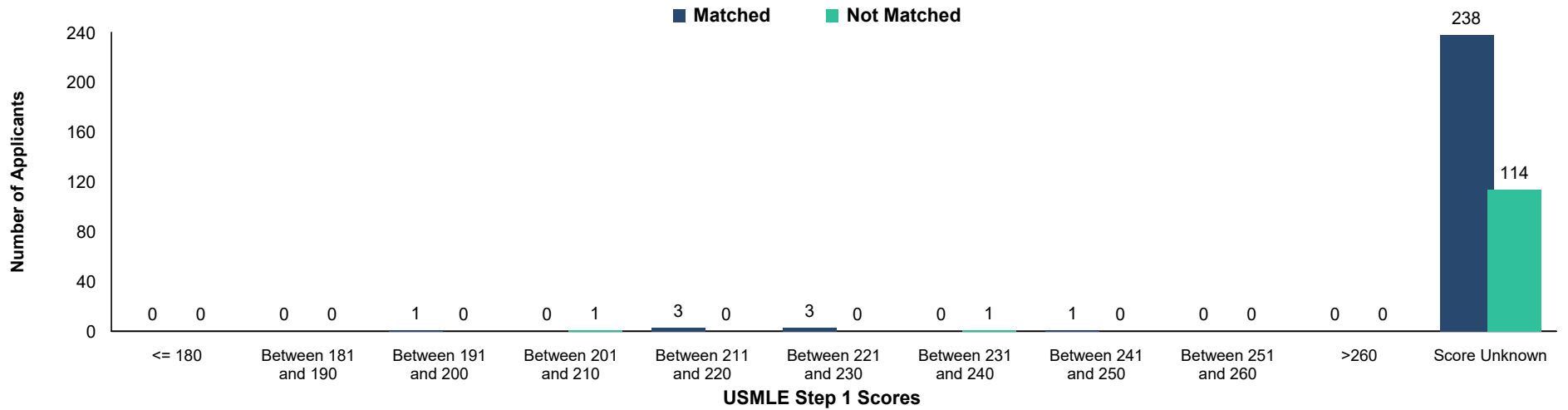
**Probability of U.S. DO Seniors Matching to Preferred Specialty by COMLEX-USA Level 2 Score**  
*Obstetrics and Gynecology*



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

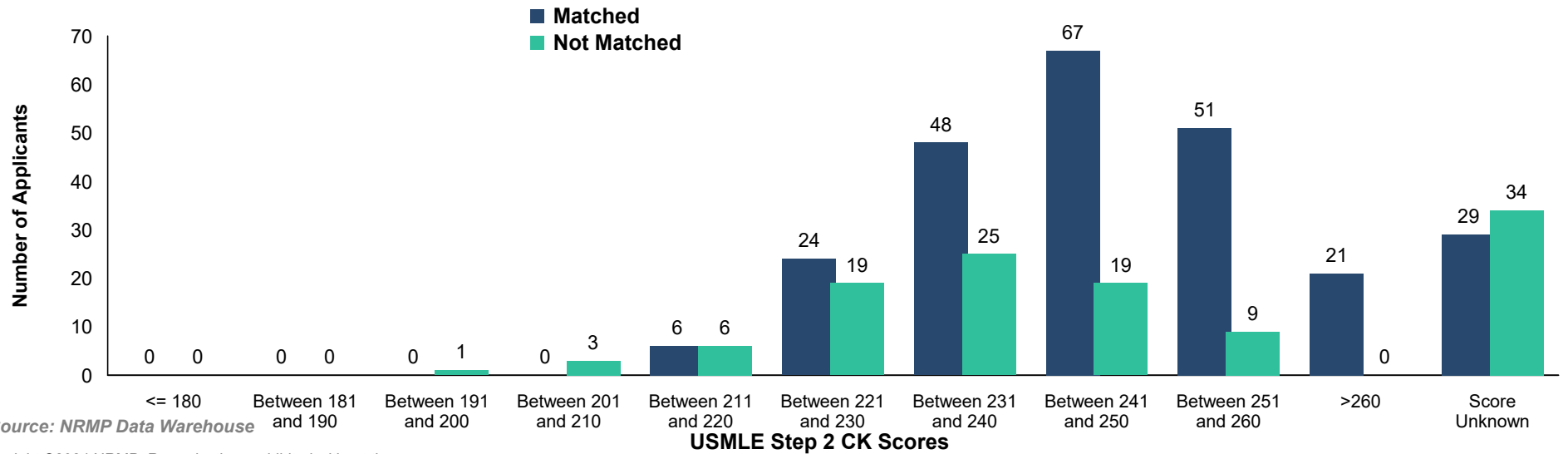
**Chart  
OB-5**

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



**Chart  
OB-6**

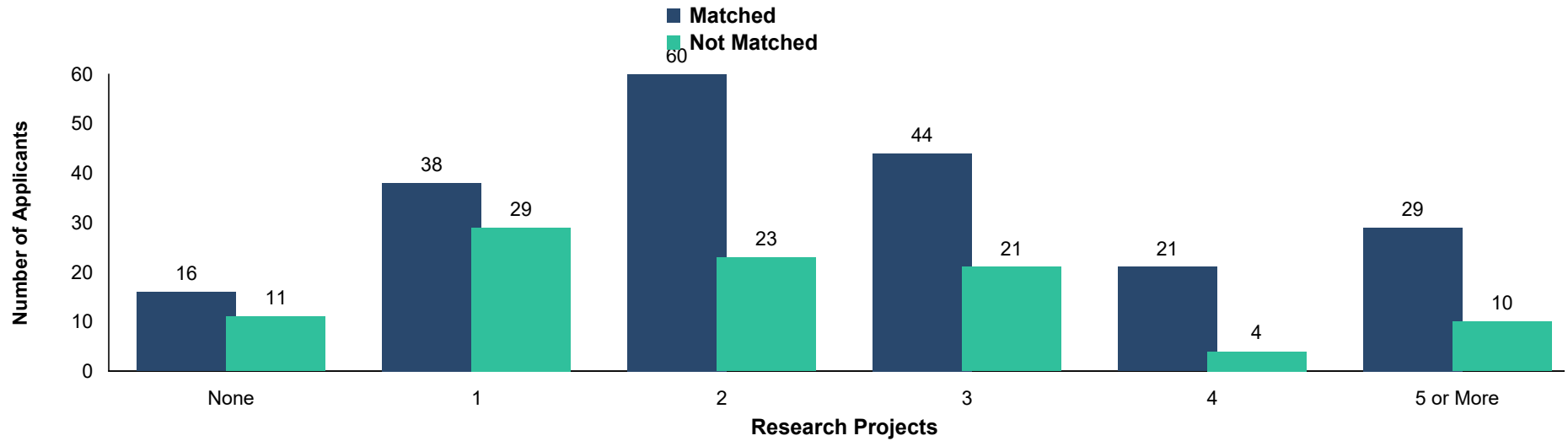
**USMLE Step 2 CK Scores of U.S. DO Seniors  
Obstetrics and Gynecology**



Source: NRMP Data Warehouse

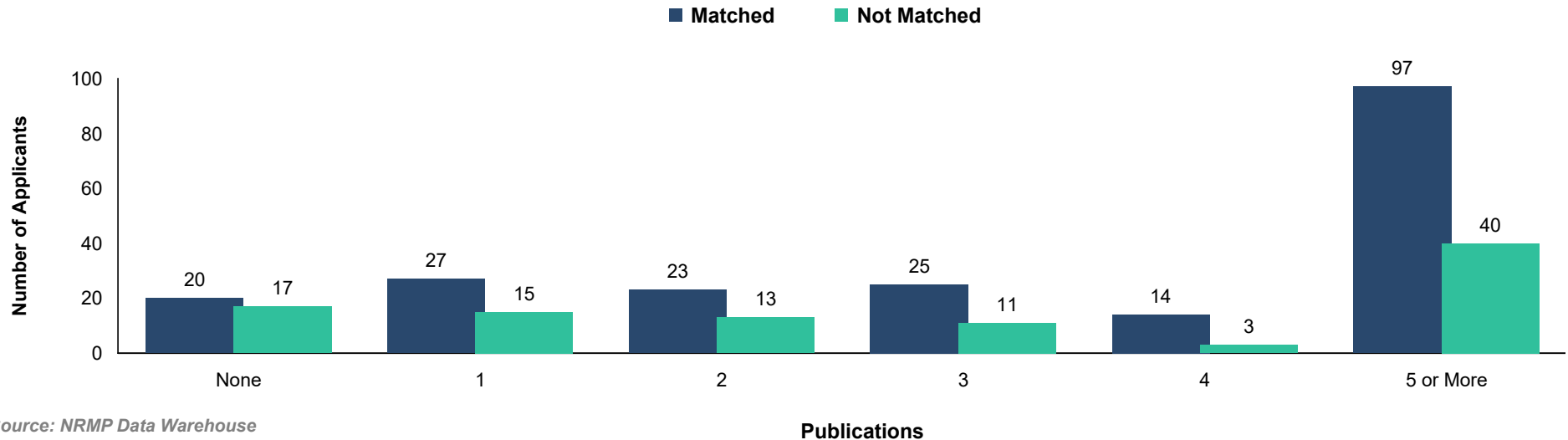
**Chart  
OB-7**

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



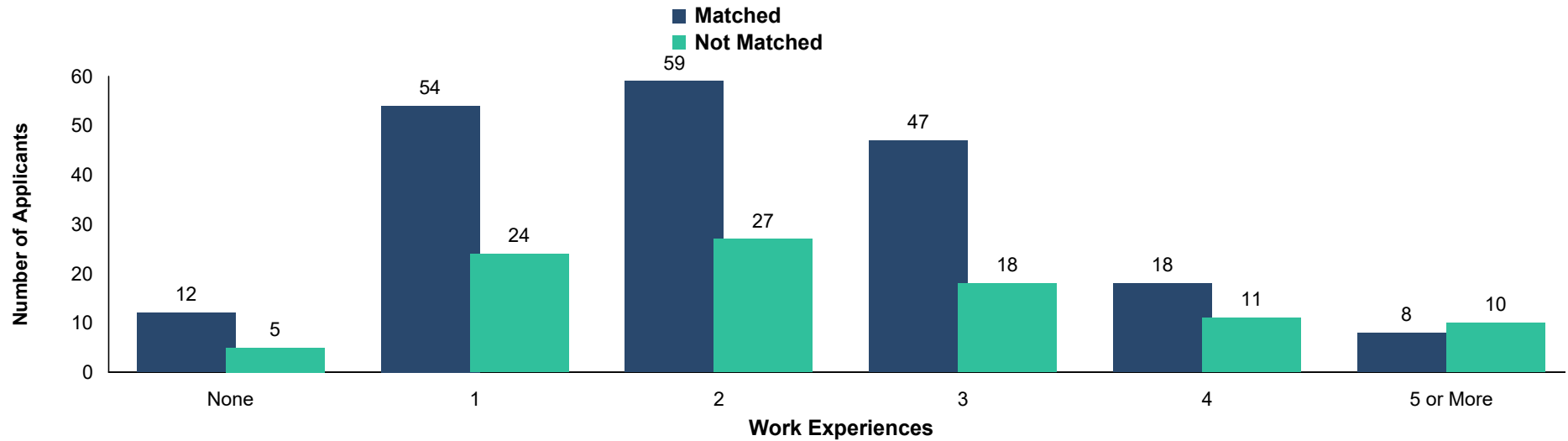
**Chart  
OB-8**

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

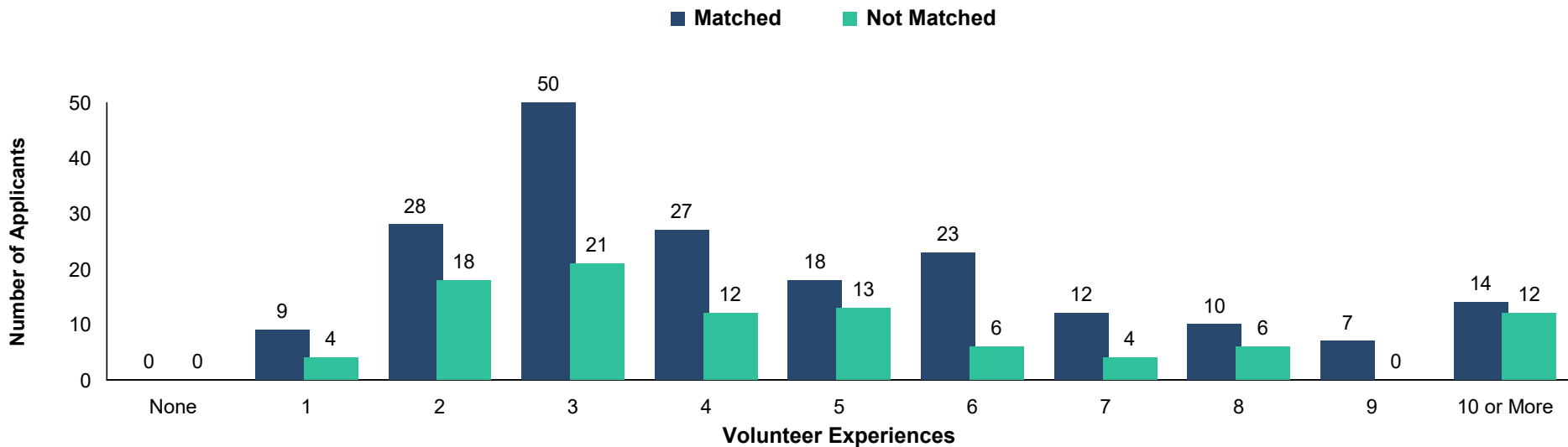


Source: NRMP Data Warehouse

**Chart OB-9** Number of Work Experiences of U.S. DO Seniors  
*Obstetrics and Gynecology*



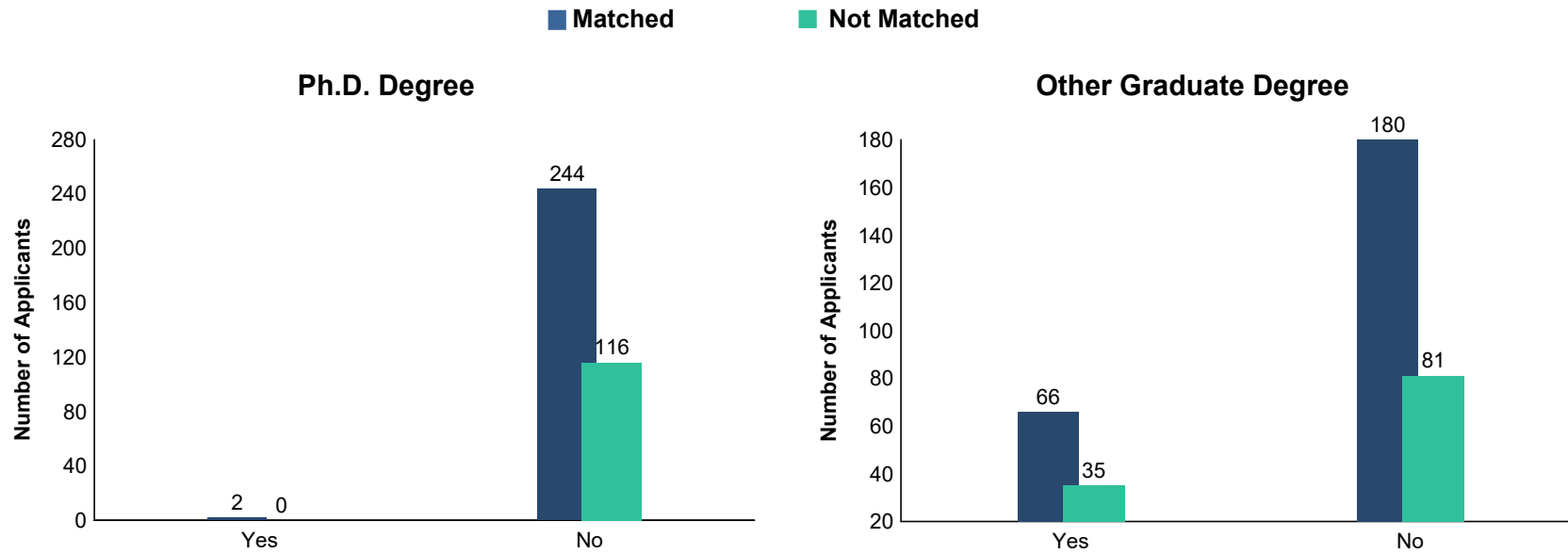
**Chart OB-10** Number of Volunteer Experiences of U.S. DO Seniors  
*Obstetrics and Gynecology*



Source: NRMP Data Warehouse

**Chart  
OB-11**

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



Source: NRMP Data Warehouse.

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**ORS** Orthopaedic Surgery

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

| Measure                                                      | Matched<br>(n=93) | Unmatched<br>(n=112) |
|--------------------------------------------------------------|-------------------|----------------------|
| 1. Mean number of contiguous ranks                           | 6.1               | 3.7                  |
| 2. Mean number of distinct specialties ranked                | 1.2               | 1.7                  |
| 3. Mean COMLEX-USA Level 1 score*                            | 634               | 517                  |
| 4. Mean COMLEX-USA Level 2-CE score                          | 623               | 567                  |
| 5. Mean USMLE Step 1 score*                                  | 239               | 218                  |
| 6. Mean USMLE Step 2 CK score                                | 251               | 241                  |
| 7. Mean number of research experiences                       | 5.1               | 4.4                  |
| 8. Mean number of abstracts, presentations, and publications | 11.2              | 7.0                  |
| 9. Mean number of work experiences                           | 2.8               | 3.0                  |
| 10. Mean number of volunteer experiences                     | 5.1               | 4.5                  |
| 11. Percentage who have a Ph.D. degree                       | 0.0               | 0.0                  |
| 12. Percentage who have another graduate degree              | 31.5              | 30.8                 |

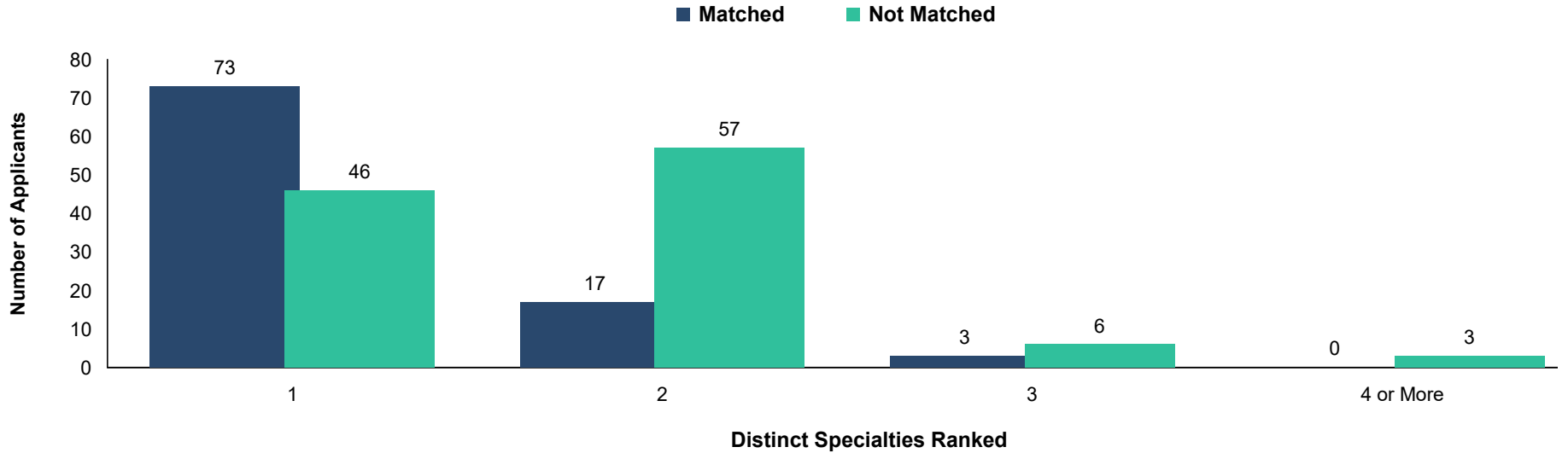
Source: NRMP Data Warehouse.

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

\*Only applicants who indicated completion of the COMLEX Level 1 or USMLE Step 1 exams prior to the transition to pass/fail (i.e., prior to May 10, 2022 for Level 1, January 26, 2022 for Step 1) had the option to self-report their numeric scores. In 2024, only 340 U.S. DO seniors self-reported Level 1 numeric scores, while only 123 reported Step 1 numeric scores.

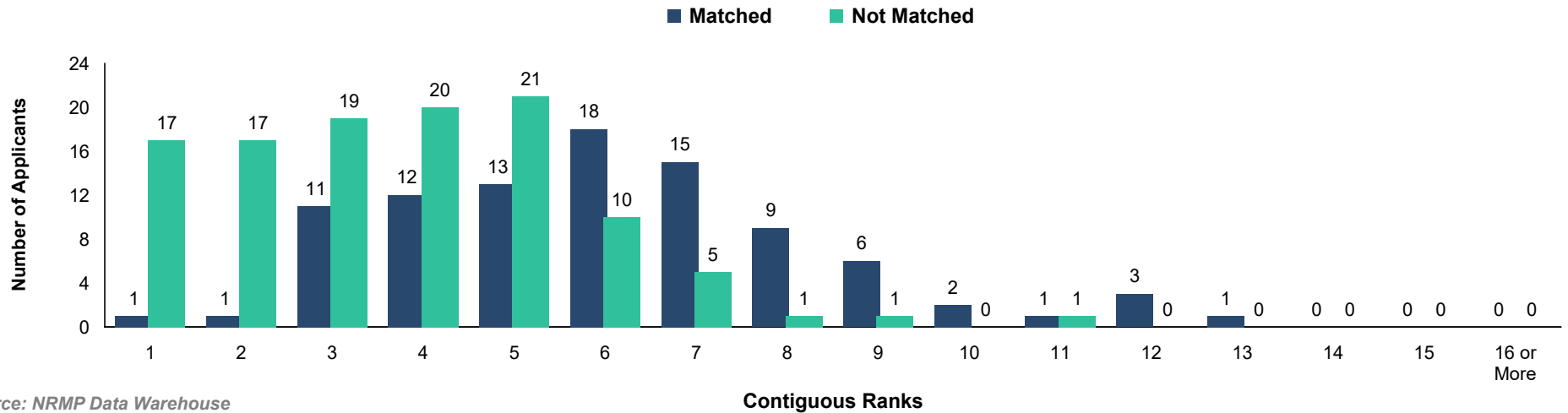
**Chart  
ORS-1**

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



**Chart  
ORS-2**

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

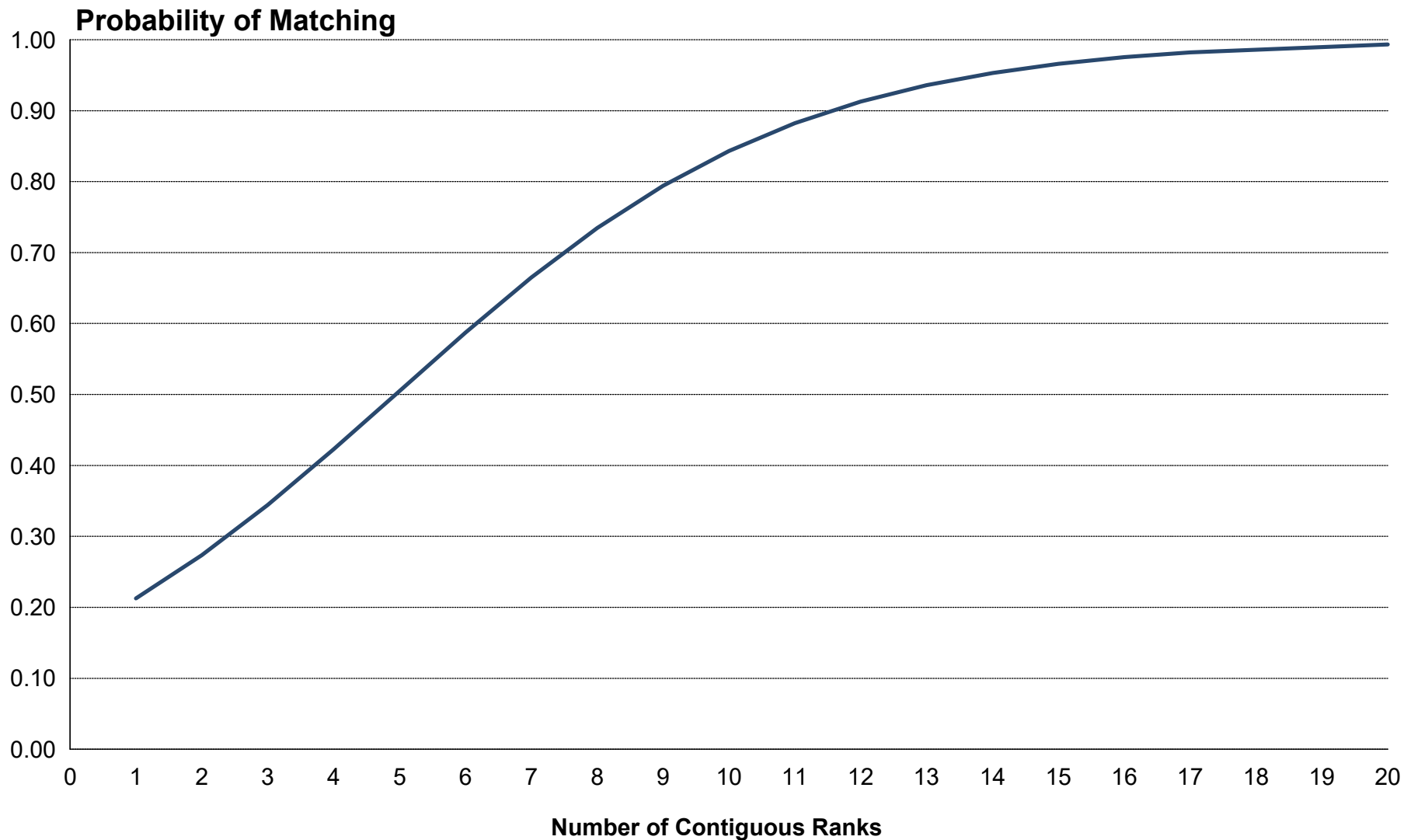


Source: NRMP Data Warehouse



**Graph  
ORS-1**

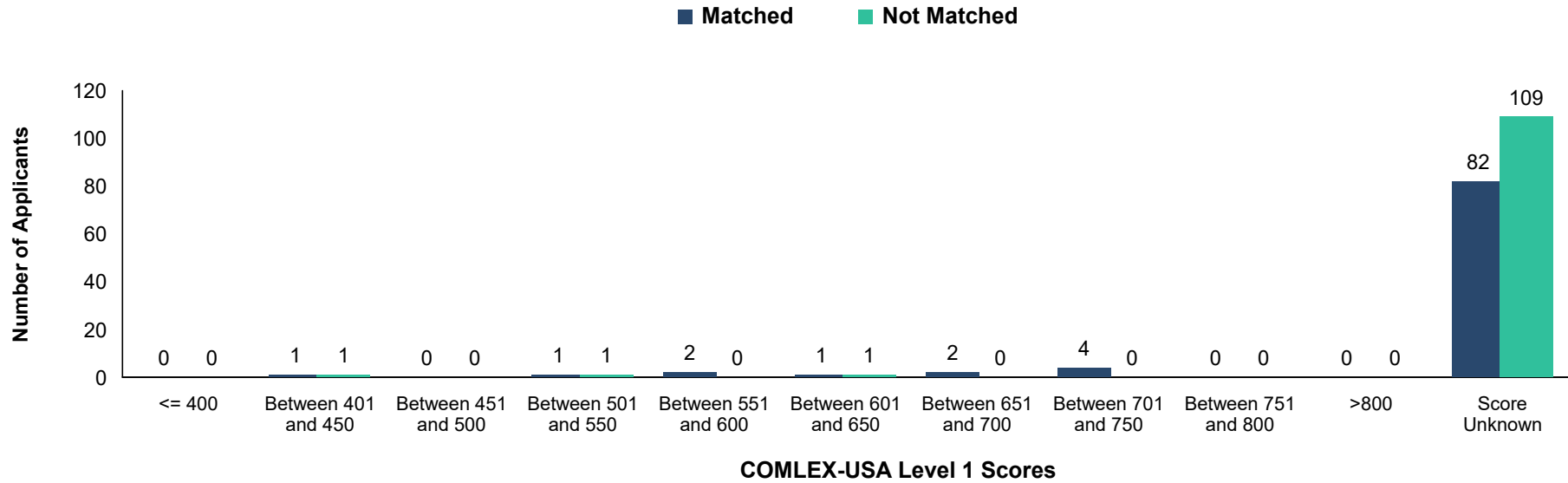
**Probability of U.S. DO Seniors Matching to Preferred Specialty by Number of Contiguous Ranks**  
*Orthopaedic Surgery*



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

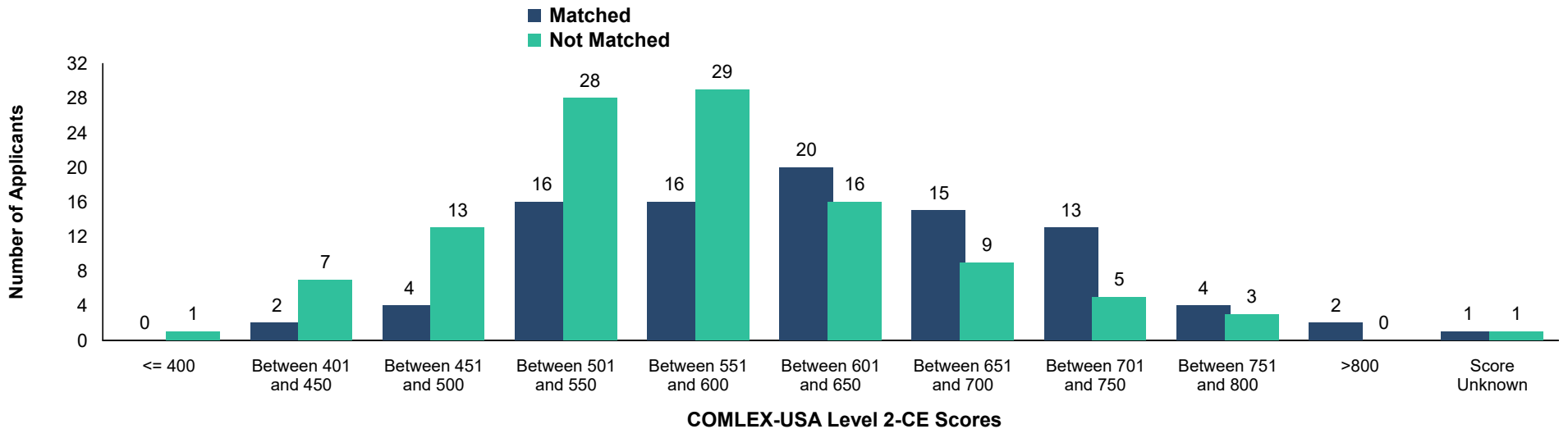
**Chart  
ORS-3**

**COMLEX-USA Level 1 Scores of U.S. DO Seniors  
Orthopaedic Surgery**



**Chart  
ORS-4**

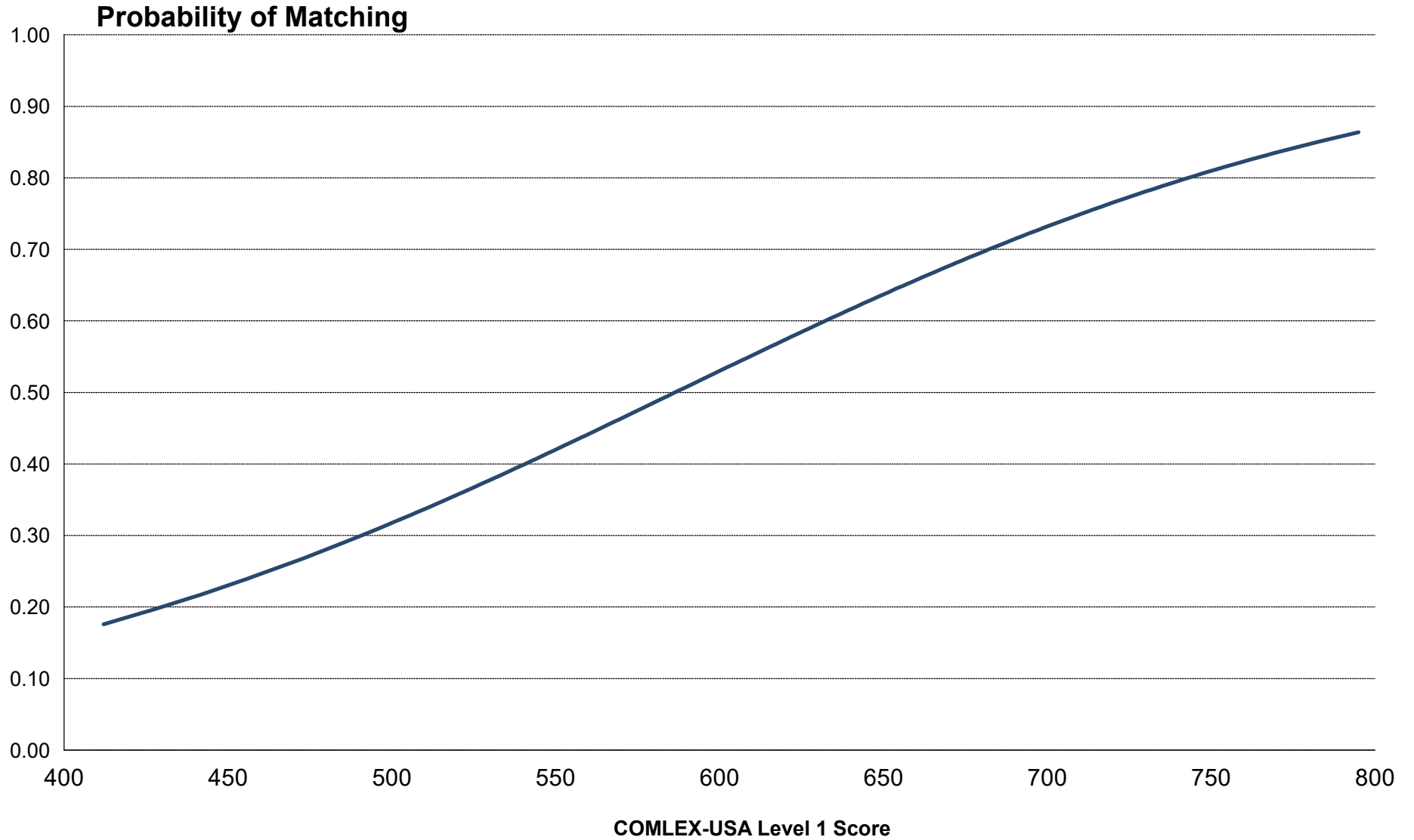
**COMLEX-USA Level 2-CE Scores of U.S. DO Seniors  
Orthopaedic Surgery**



Source: NRMP Data Warehouse

# Probability of U.S. DO Seniors Matching to Preferred Specialty by COMLEX-USA Level 1 Score

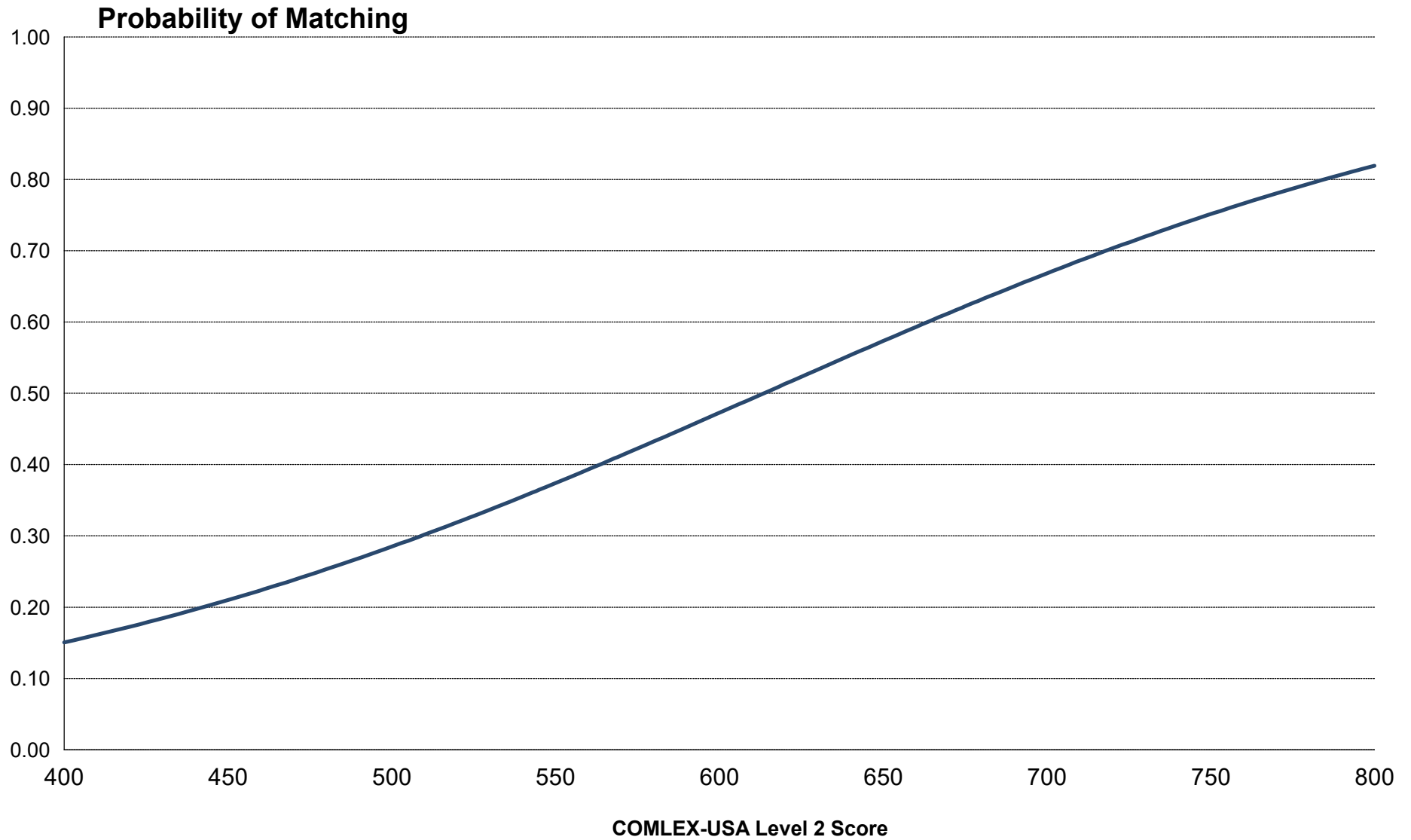
## Orthopaedic Surgery



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

# Probability of U.S. DO Seniors Matching to Preferred Specialty by COMLEX-USA Level 2 Score

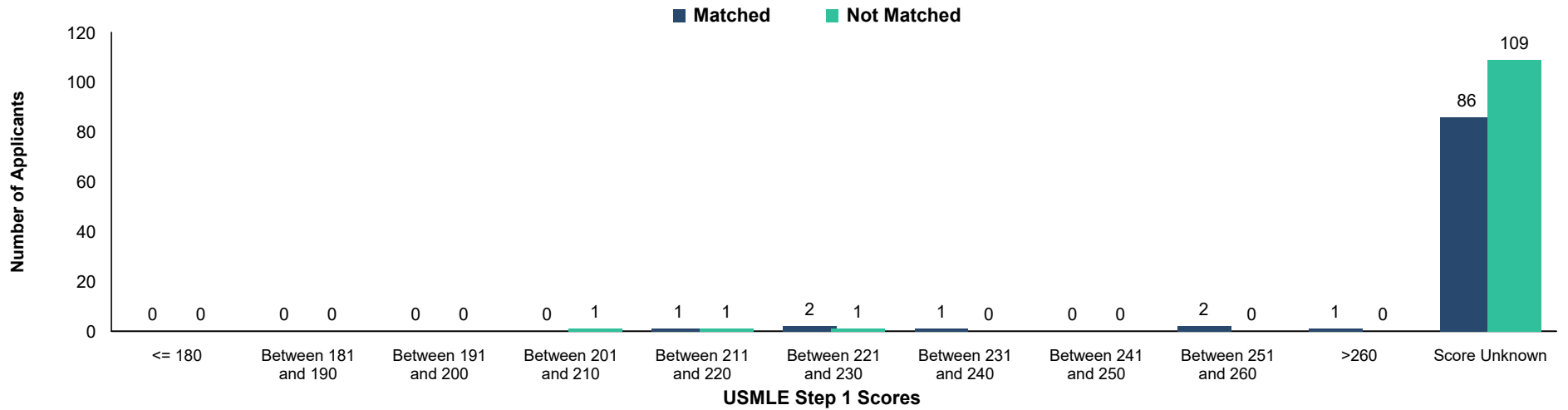
## Orthopaedic Surgery



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

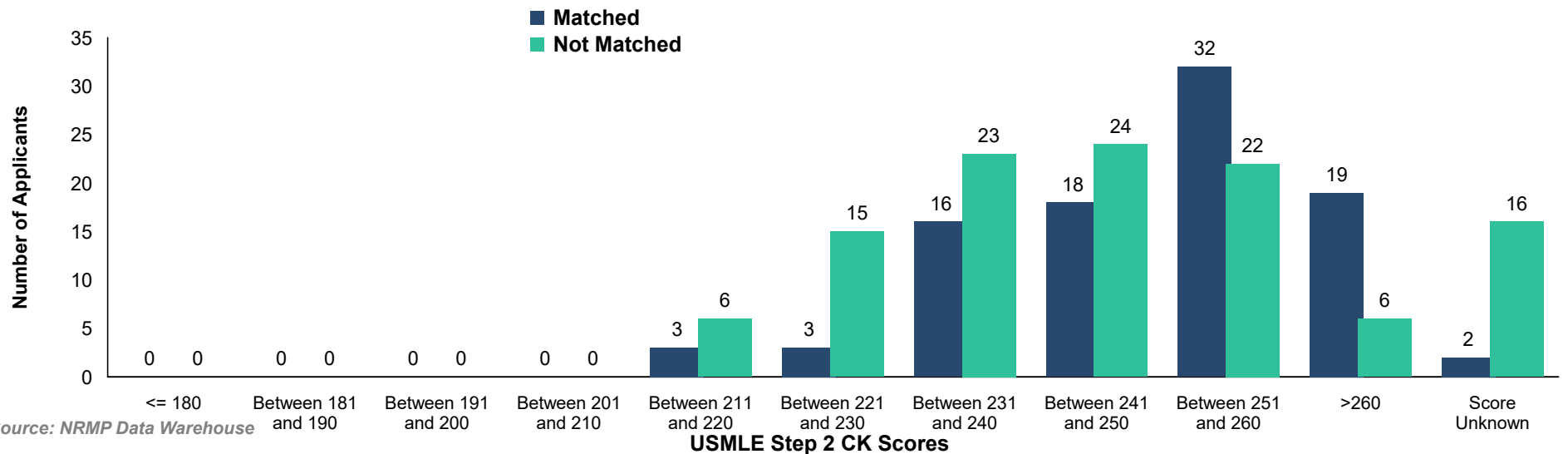
**Chart  
ORS-5**

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



**Chart  
ORS-6**

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

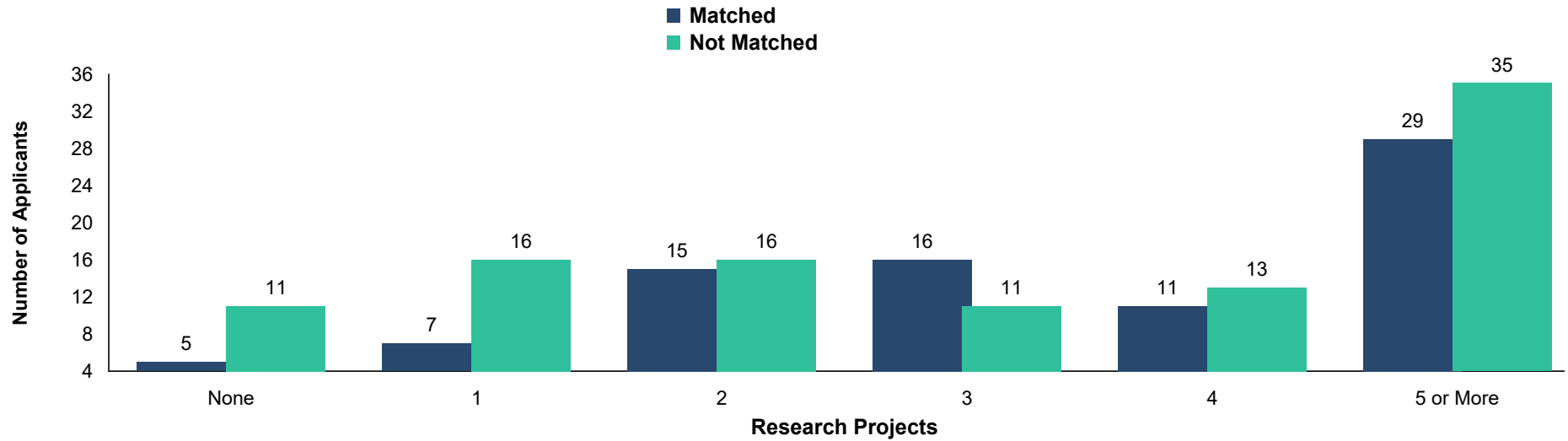


Source: NRMP Data Warehouse

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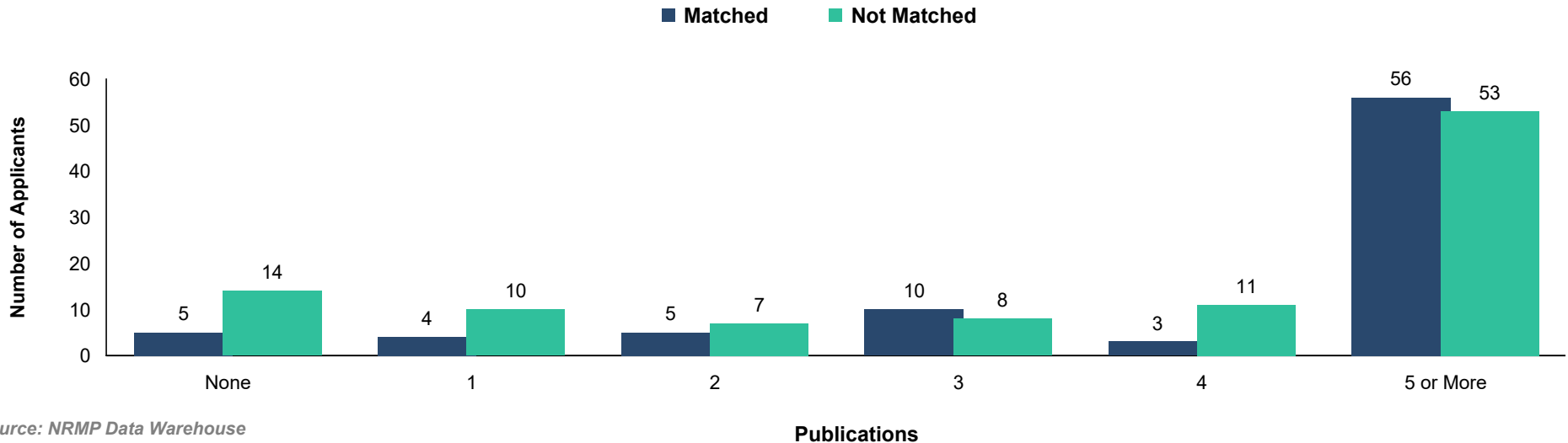
**Chart  
ORS-7**

### Number of Research Projects of U.S. DO Seniors *Orthopaedic Surgery*



**Chart  
ORS-8**

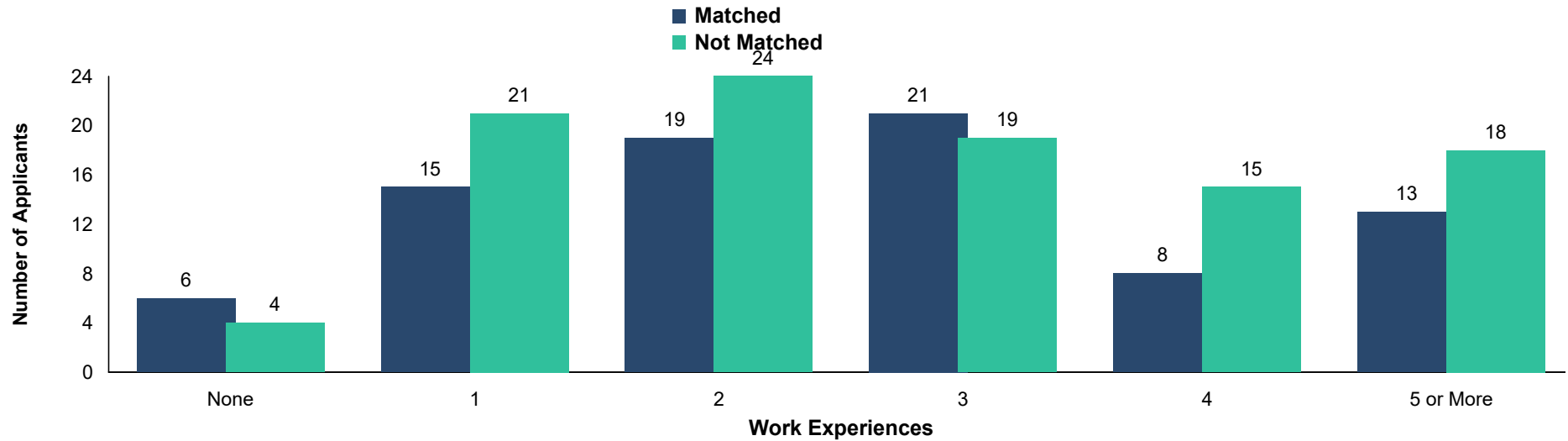
### Number of Abstracts, Presentations, and Publications of U.S. DO Seniors *Orthopaedic Surgery*



Source: NRMP Data Warehouse

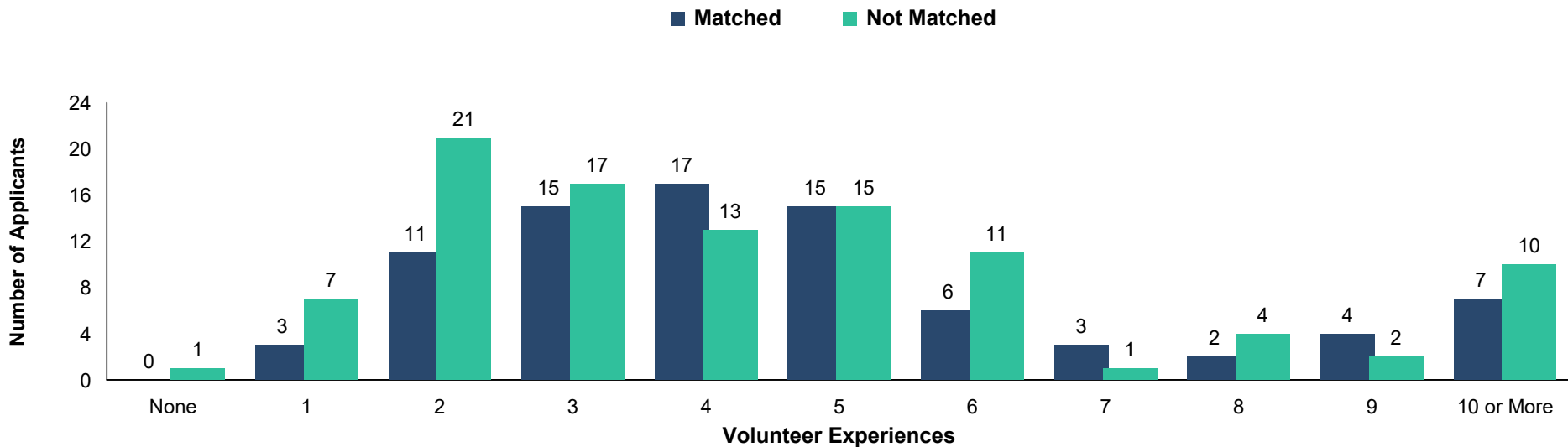
**Chart  
ORS-9**

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



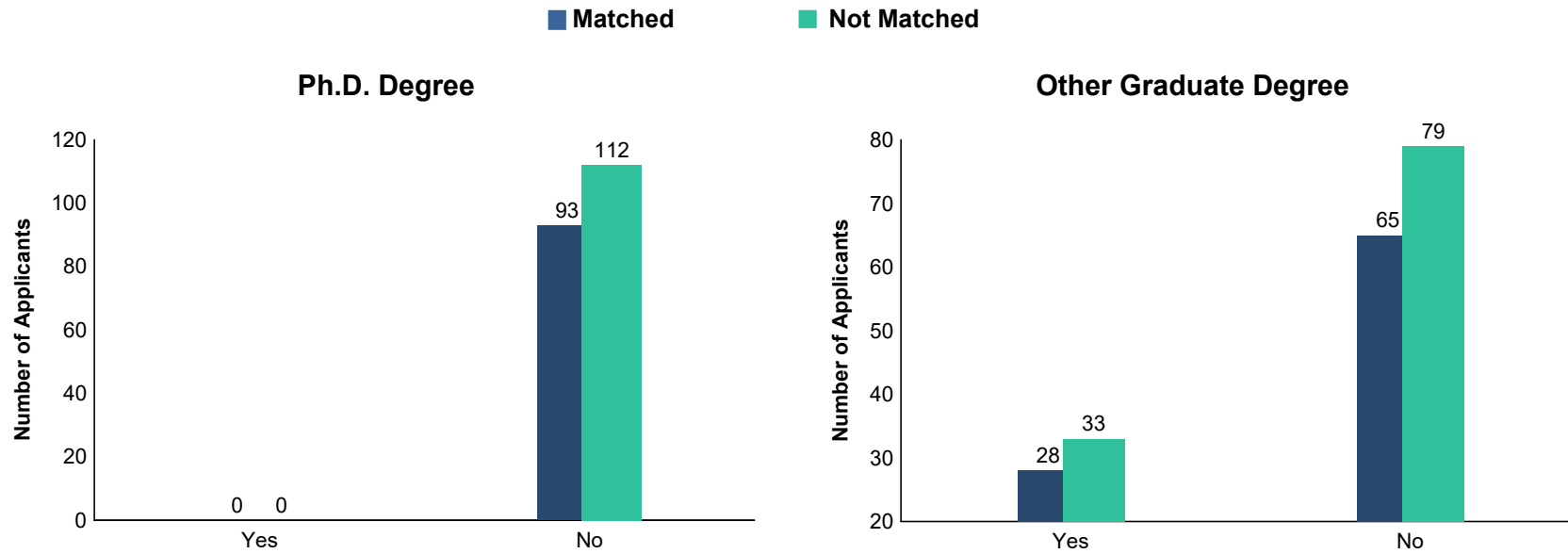
**Chart  
ORS-10**

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



Source: NRMP Data Warehouse

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



Source: NRMP Data Warehouse.



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**OTO** Otolaryngology

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

| Measure                                                      | Matched<br>(n=20) | Unmatched<br>(n=8) |
|--------------------------------------------------------------|-------------------|--------------------|
| 1. Mean number of contiguous ranks                           | 8.0               | 3.8                |
| 2. Mean number of distinct specialties ranked                | 1.7               | 1.8                |
| 3. Mean COMLEX-USA Level 1 score*                            | 592               |                    |
| 4. Mean COMLEX-USA Level 2-CE score                          | 581               | 544                |
| 5. Mean USMLE Step 1 score*                                  | 242               |                    |
| 6. Mean USMLE Step 2 CK score                                | 248               | 240                |
| 7. Mean number of research experiences                       | 4.5               | 4.3                |
| 8. Mean number of abstracts, presentations, and publications | 11.3              | 7.0                |
| 9. Mean number of work experiences                           | 3.1               | 2.4                |
| 10. Mean number of volunteer experiences                     | 6.5               | 3.5                |
| 11. Percentage who have a Ph.D. degree                       | 0.0               | 0.0                |
| 12. Percentage who have another graduate degree              | 25.0              | 25.0               |

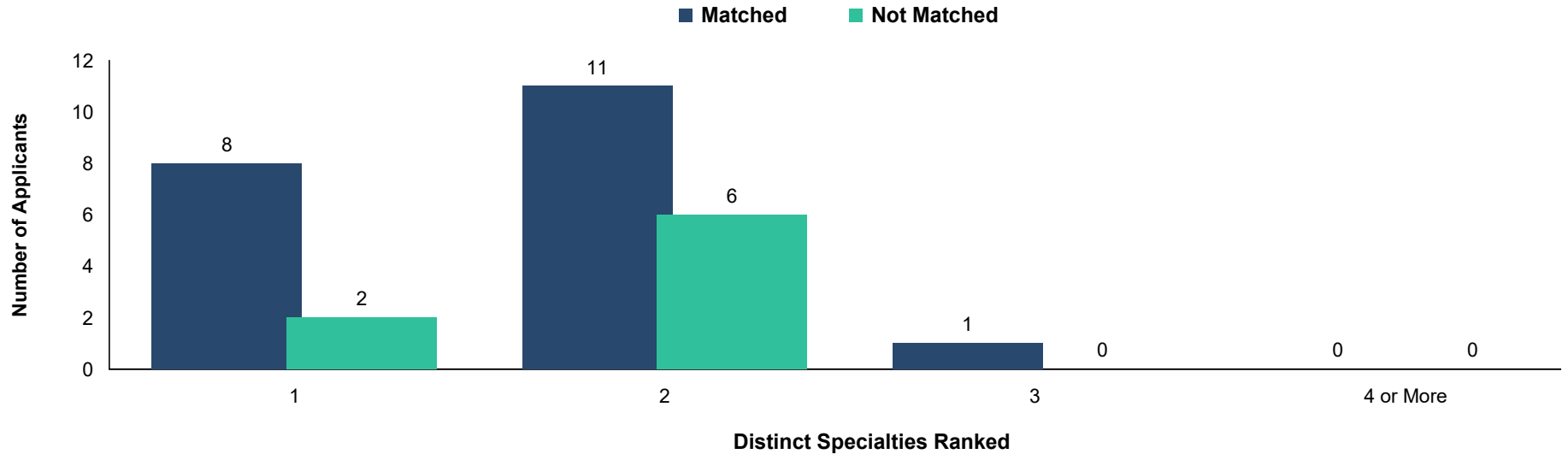
Source: NRMP Data Warehouse.

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

\*Only applicants who indicated completion of the COMLEX Level 1 or USMLE Step 1 exams prior to the transition to pass/fail (i.e., prior to May 10, 2022 for Level 1, January 26, 2022 for Step 1) had the option to self-report their numeric scores. In 2024, only 340 U.S. DO seniors self-reported Level 1 numeric scores, while only 123 reported Step 1 numeric scores.

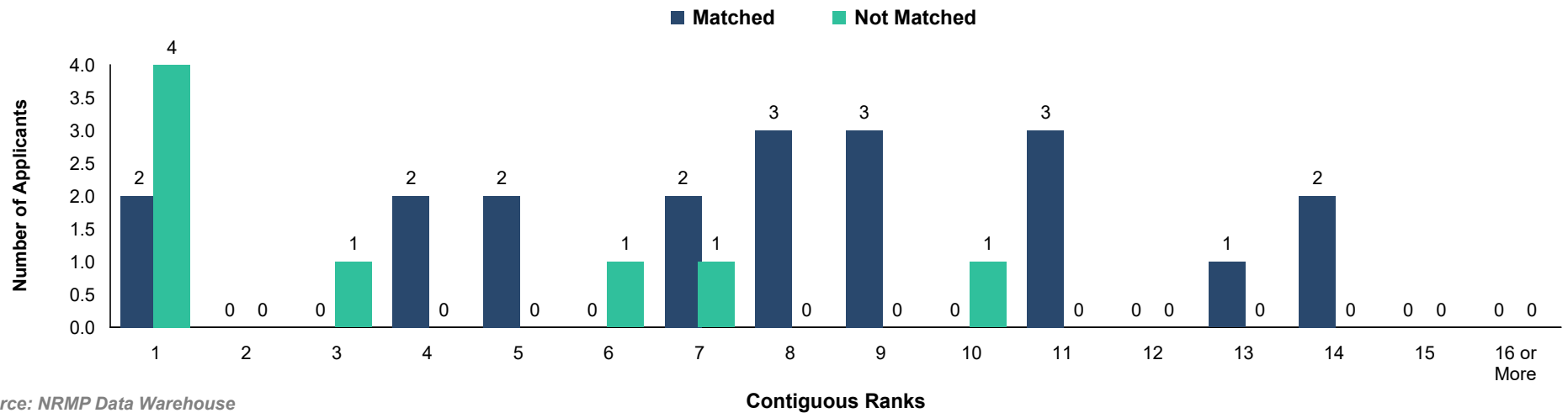
**Chart  
OTO-1**

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



**Chart  
OTO-2**

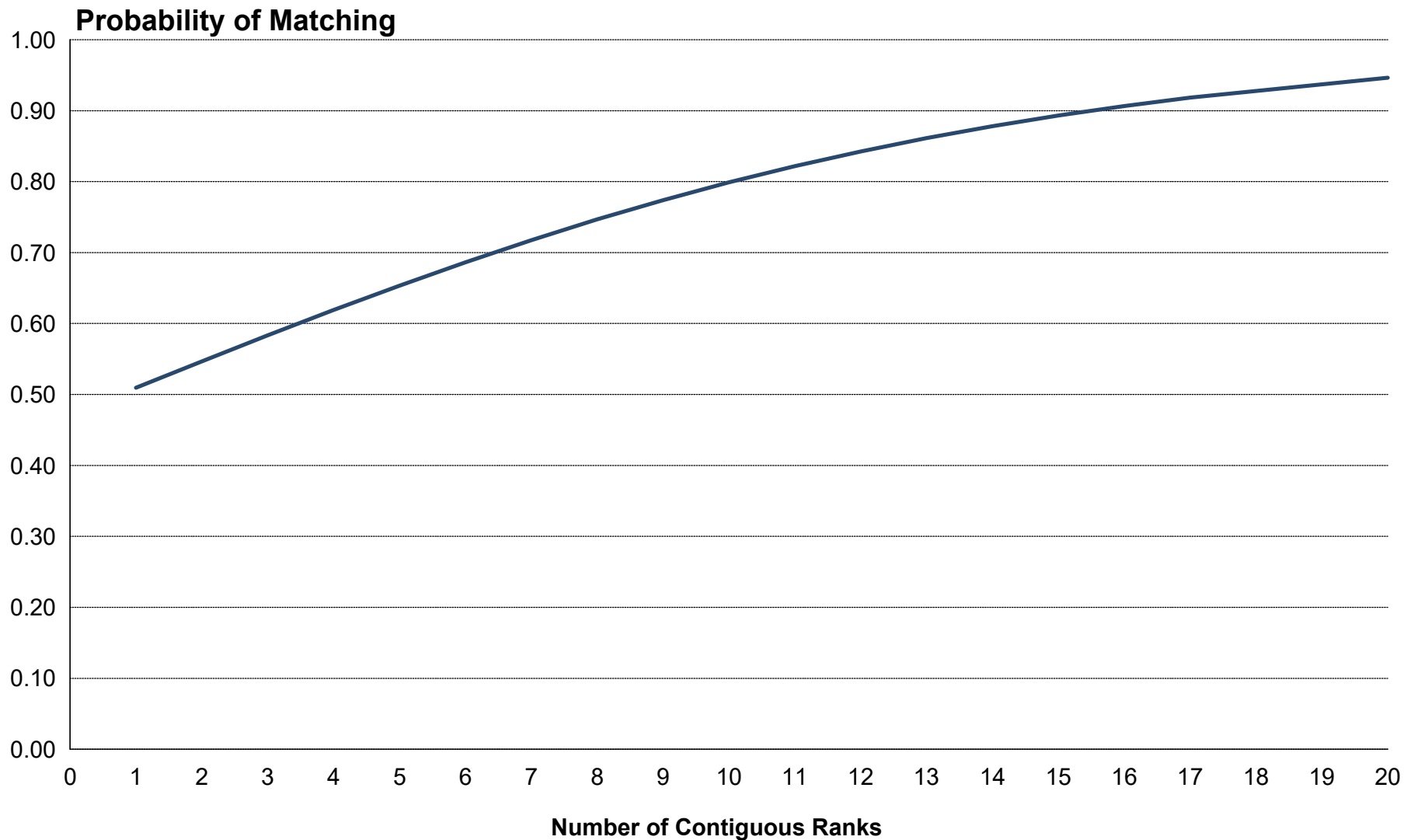
**Number of Contiguous Ranks of U.S. DO Seniors  
Otolaryngology**



Source: NRMP Data Warehouse

**Graph  
OTO-1**

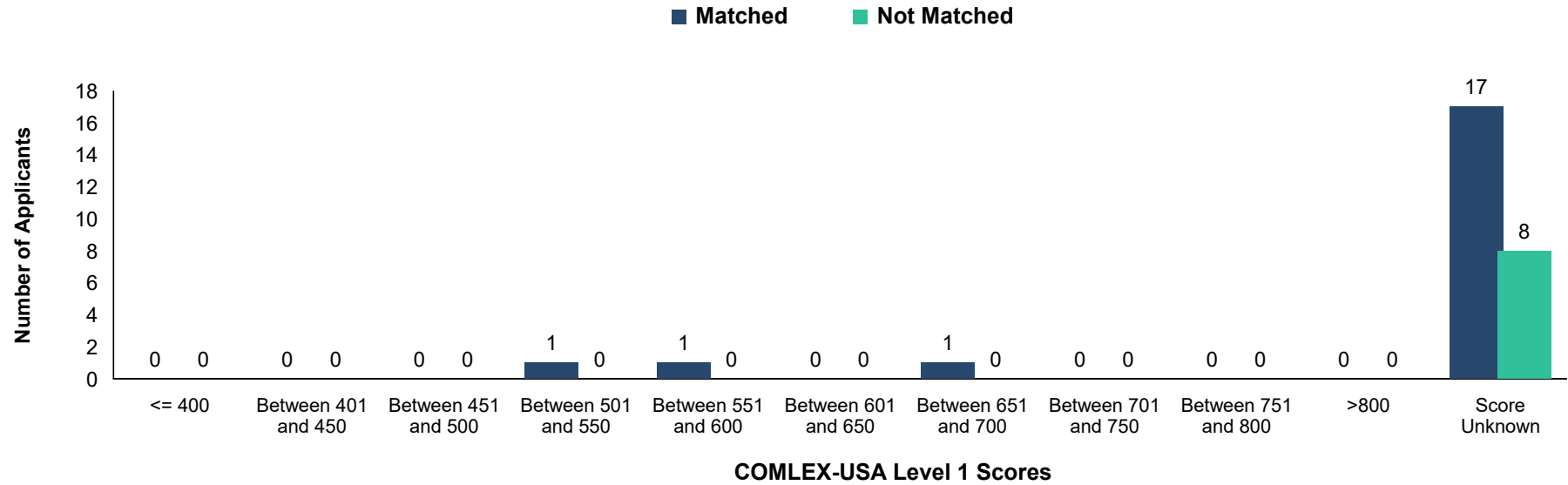
**Probability of U.S. DO Seniors Matching to Preferred Specialty by Number of Contiguous Ranks**  
*Otolaryngology*



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

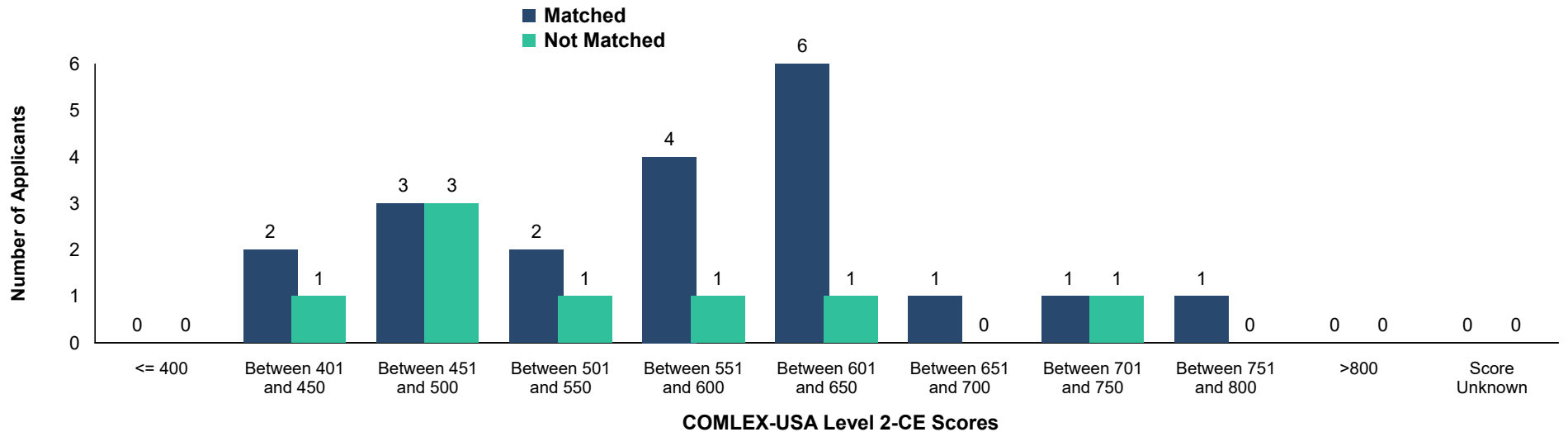
**Chart  
OTO-3**

**COMLEX-USA Level 1 Scores of U.S. DO Seniors  
Otolaryngology**



**Chart  
OTO-4**

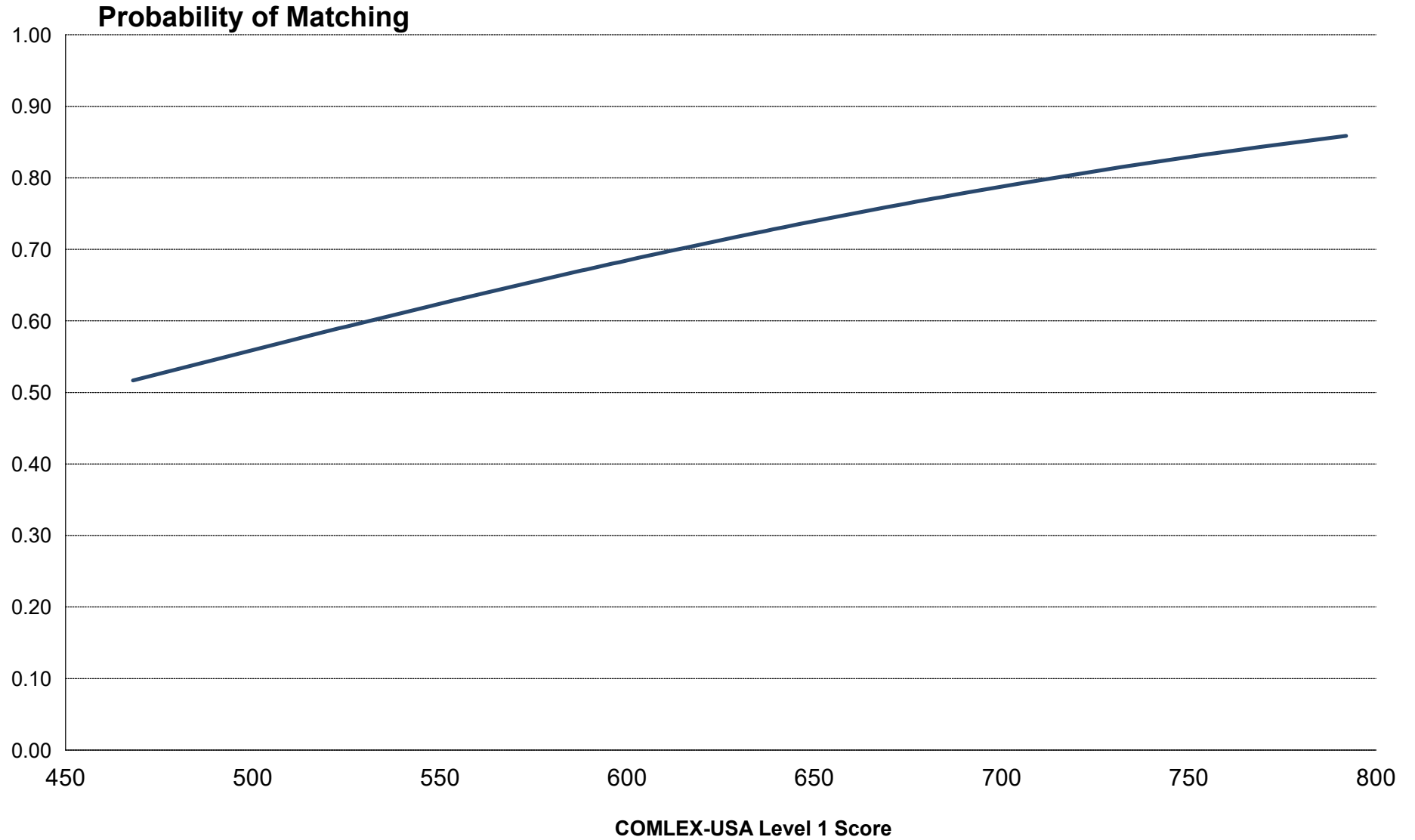
**COMLEX-USA Level 2-CE Scores of U.S. DO Seniors  
Otolaryngology**



Source: NRMP Data Warehouse

# Probability of U.S. DO Seniors Matching to Preferred Specialty by COMLEX-USA Level 1 Score

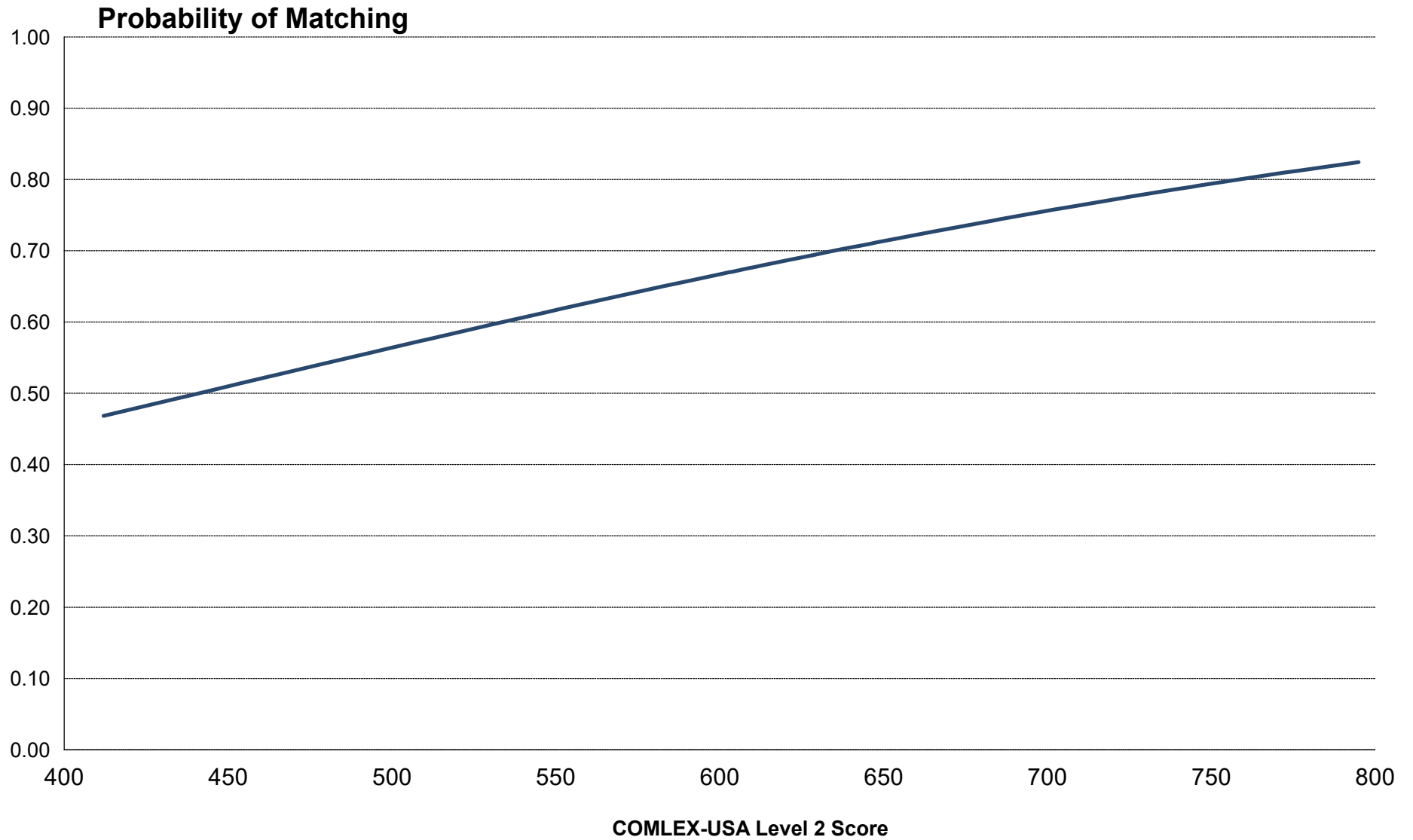
## Otolaryngology



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

# Probability of U.S. DO Seniors Matching to Preferred Specialty by COMLEX-USA Level 2 Score

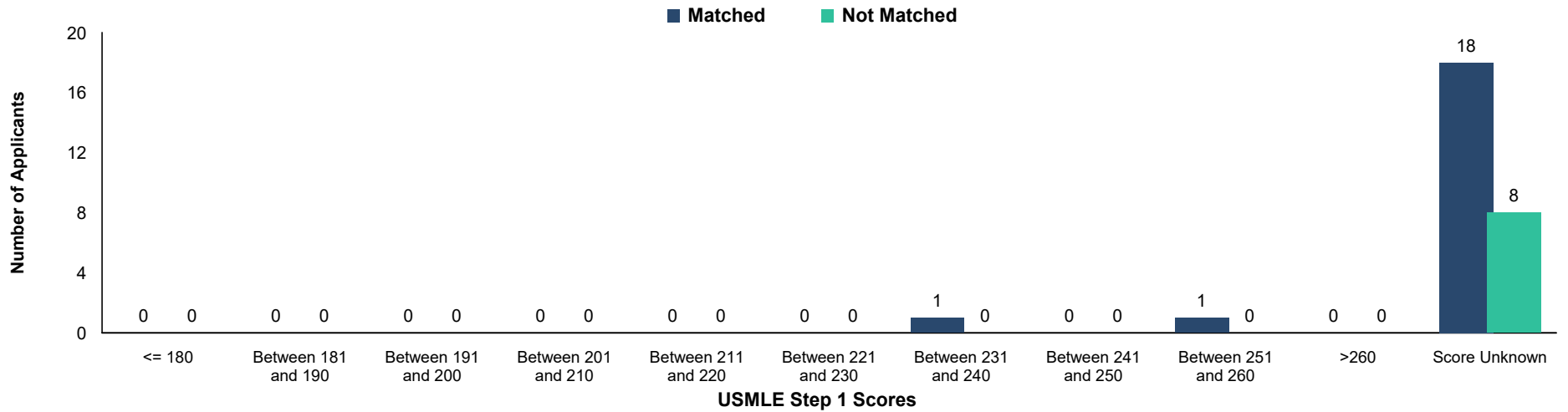
## Otolaryngology



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

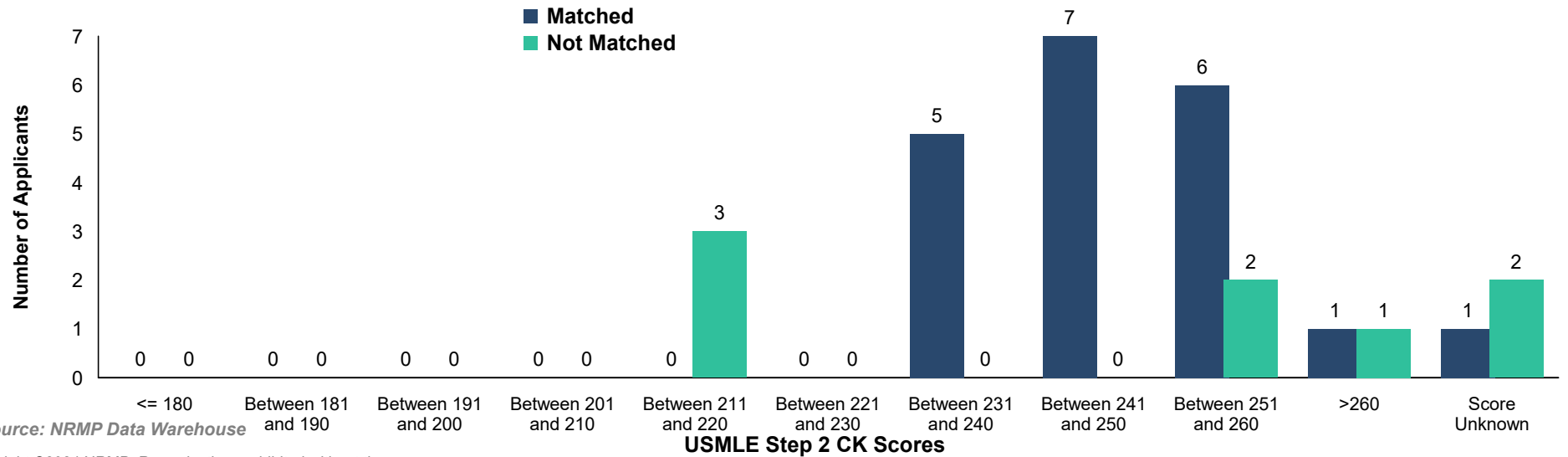
**Chart  
OTO-5**

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



**Chart  
OTO-6**

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

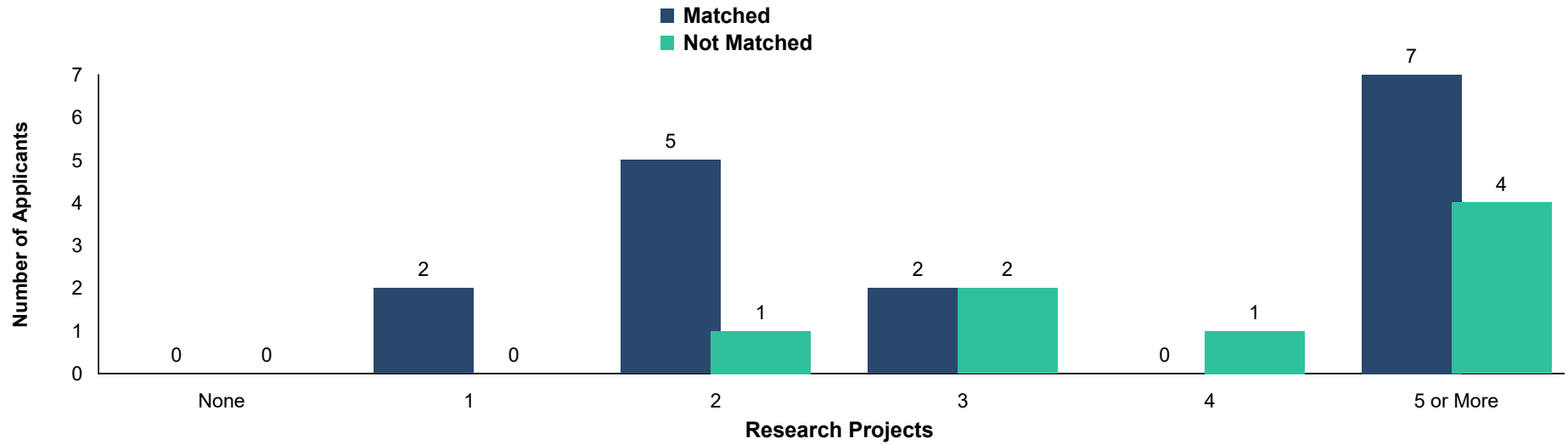


Source: NRMP Data Warehouse



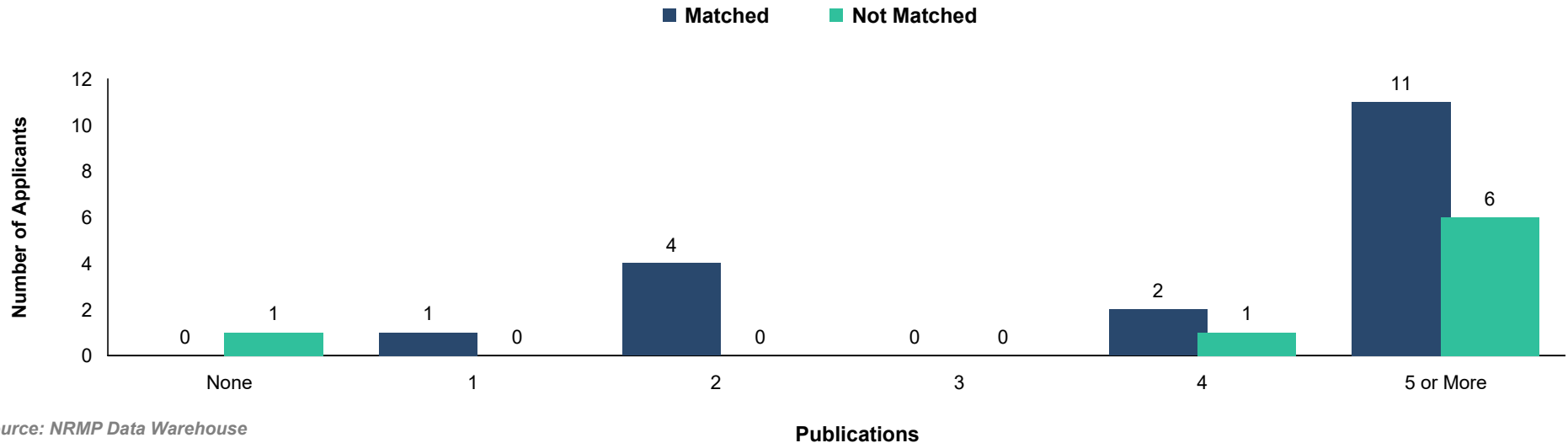
**Chart  
OTO-7**

### Number of Research Projects of U.S. DO Seniors *Otolaryngology*



**Chart  
OTO-8**

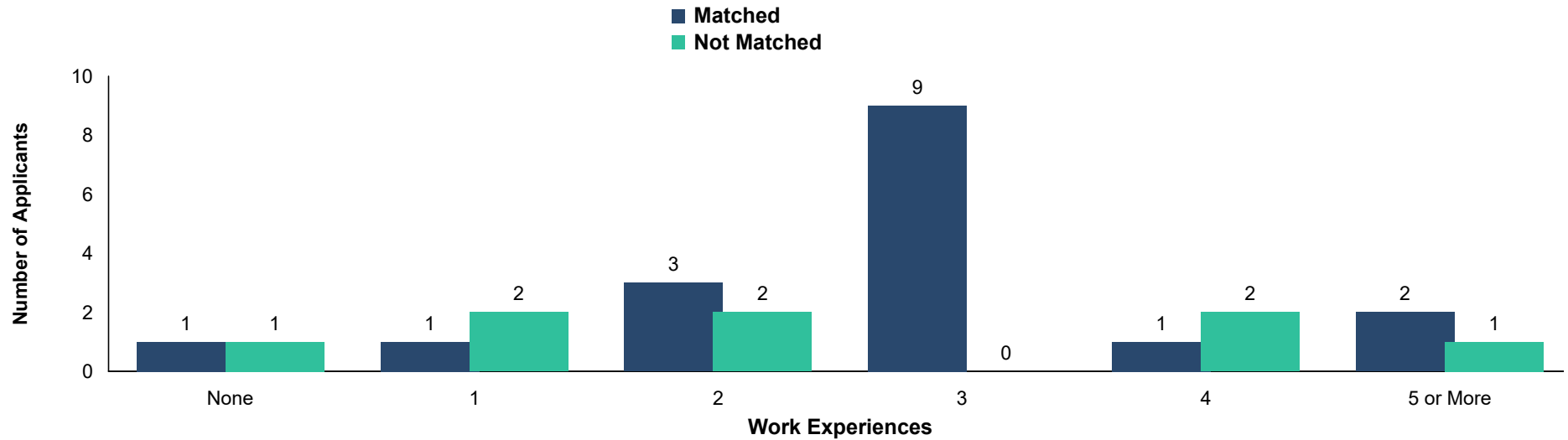
### Number of Abstracts, Presentations, and Publications of U.S. DO Seniors *Otolaryngology*



Source: NRMP Data Warehouse

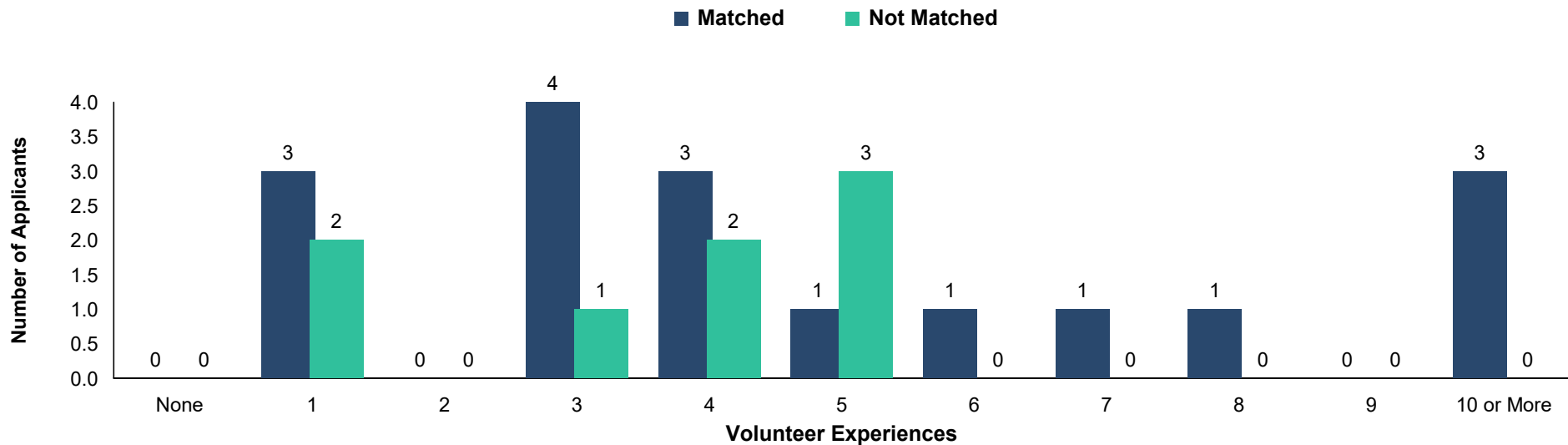
**Chart  
OTO-9**

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



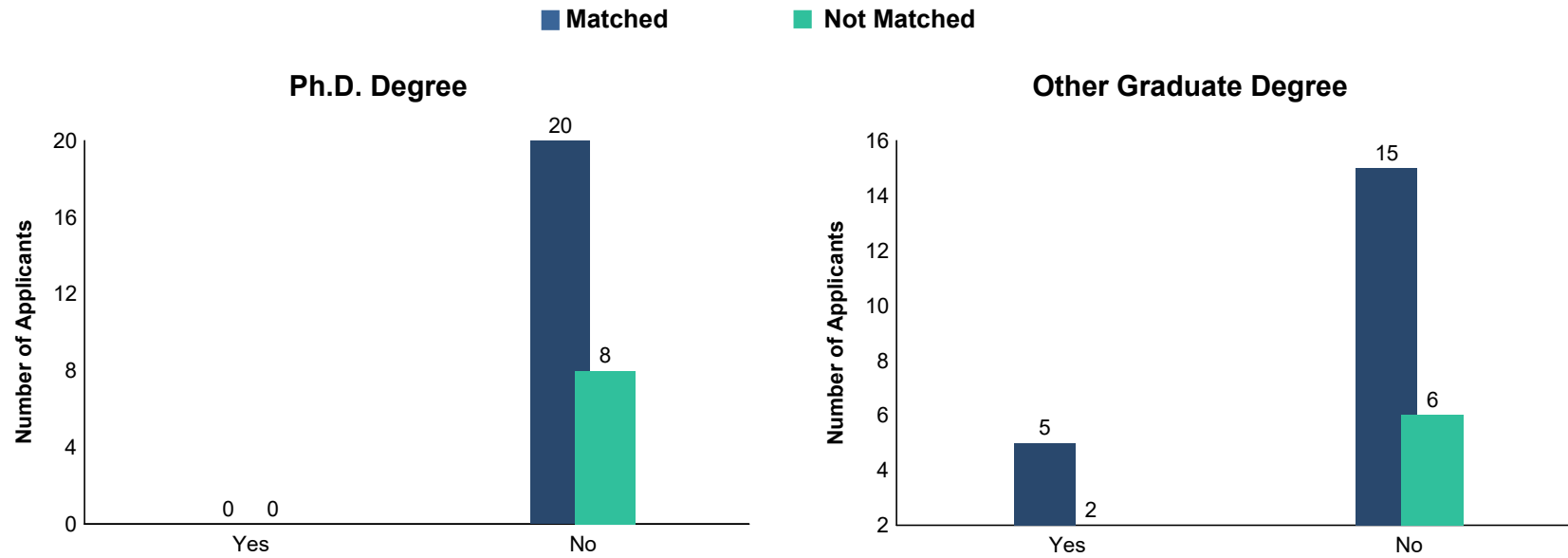
**Chart  
OTO-10**

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



Source: NRMP Data Warehouse

**Other Characteristics of U.S. DO Seniors**  
*Otolaryngology*



Source: NRMP Data Warehouse.

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**PTH** Pathology

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

| Measure                                                      | Matched<br>(n=70) | Unmatched<br>(n=14) |
|--------------------------------------------------------------|-------------------|---------------------|
| 1. Mean number of contiguous ranks                           | 11.8              | 6.3                 |
| 2. Mean number of distinct specialties ranked                | 1.0               | 1.3                 |
| 3. Mean COMLEX-USA Level 1 score*                            | 562               | 525                 |
| 4. Mean COMLEX-USA Level 2-CE score                          | 547               | 506                 |
| 5. Mean USMLE Step 1 score*                                  | 238               |                     |
| 6. Mean USMLE Step 2 CK score                                | 245               | 243                 |
| 7. Mean number of research experiences                       | 2.1               | 1.8                 |
| 8. Mean number of abstracts, presentations, and publications | 6.3               | 3.8                 |
| 9. Mean number of work experiences                           | 2.4               | 2.6                 |
| 10. Mean number of volunteer experiences                     | 3.5               | 2.2                 |
| 11. Percentage who have a Ph.D. degree                       | 0.0               | 0.0                 |
| 12. Percentage who have another graduate degree              | 29.0              | 36.4                |

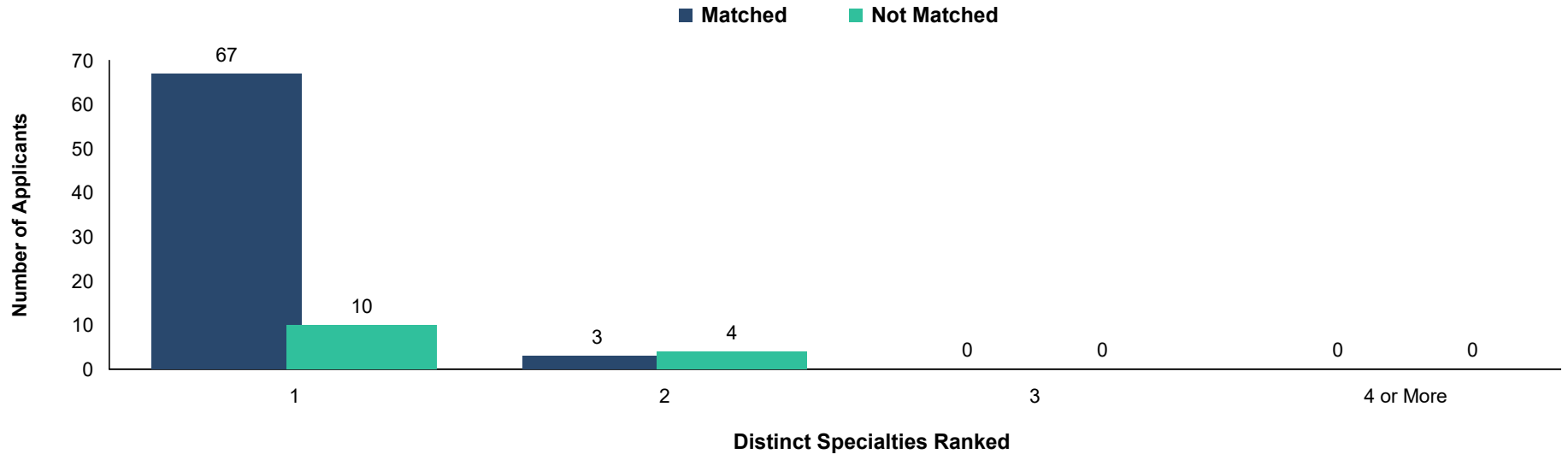
Source: NRMP Data Warehouse.

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

\*Only applicants who indicated completion of the COMLEX Level 1 or USMLE Step 1 exams prior to the transition to pass/fail (i.e., prior to May 10, 2022 for Level 1, January 26, 2022 for Step 1) had the option to self-report their numeric scores. In 2024, only 340 U.S. DO seniors self-reported Level 1 numeric scores, while only 123 reported Step 1 numeric scores.

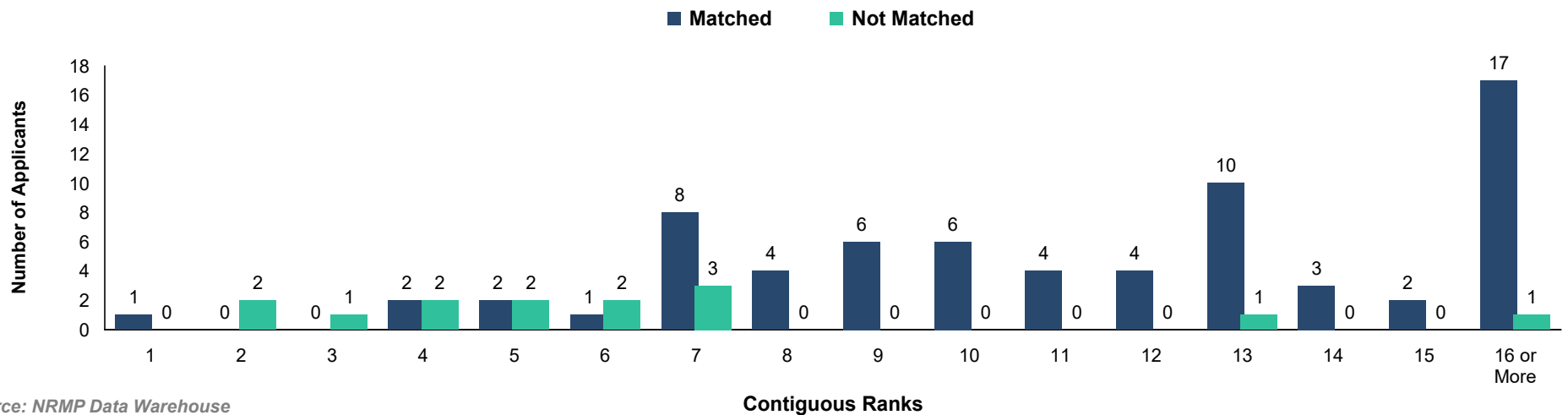
**Chart  
PTH-1**

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



**Chart  
PTH-2**

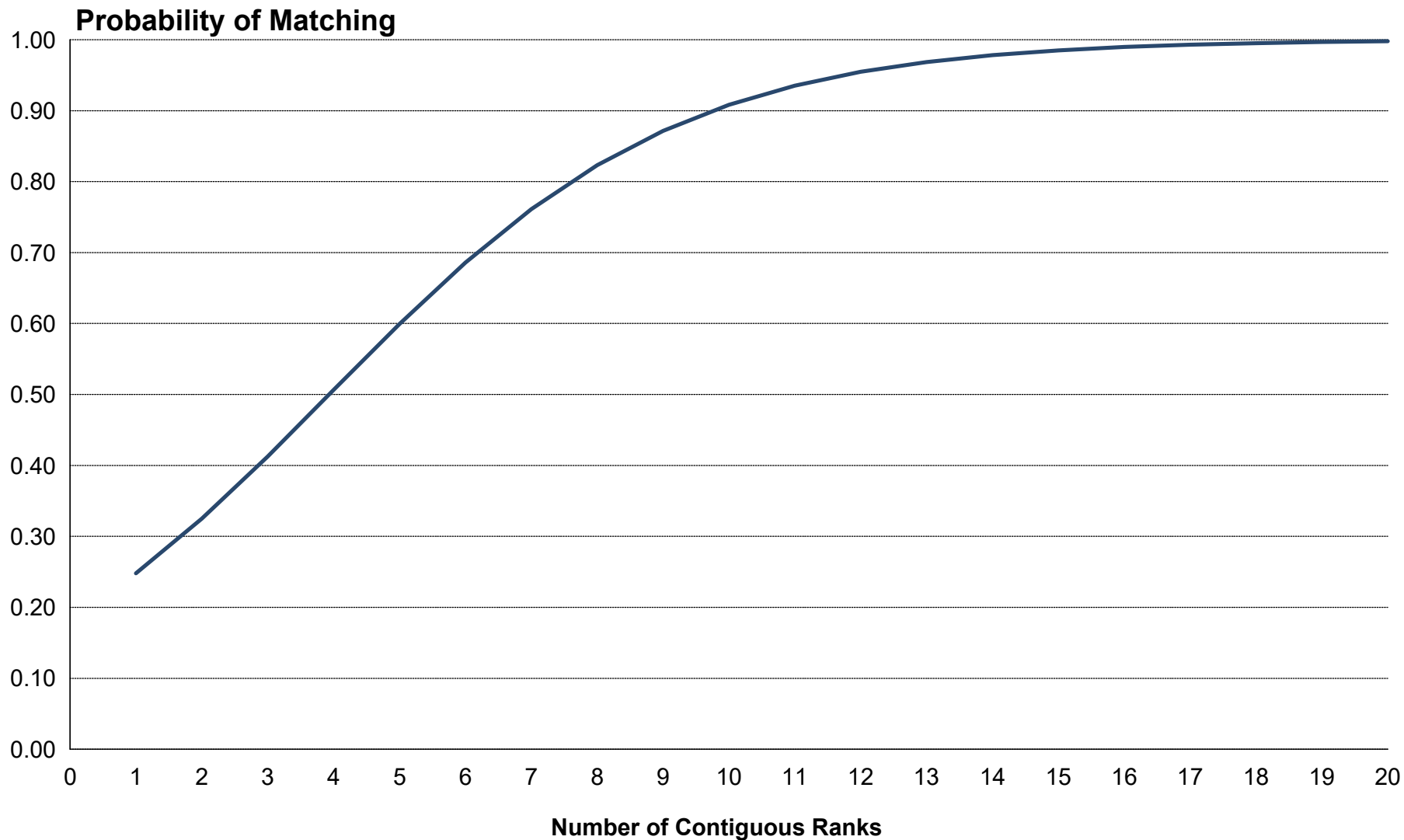
**Number of Contiguous Ranks of U.S. DO Seniors  
Pathology**



Source: NRMP Data Warehouse

**Graph  
PTH-1**

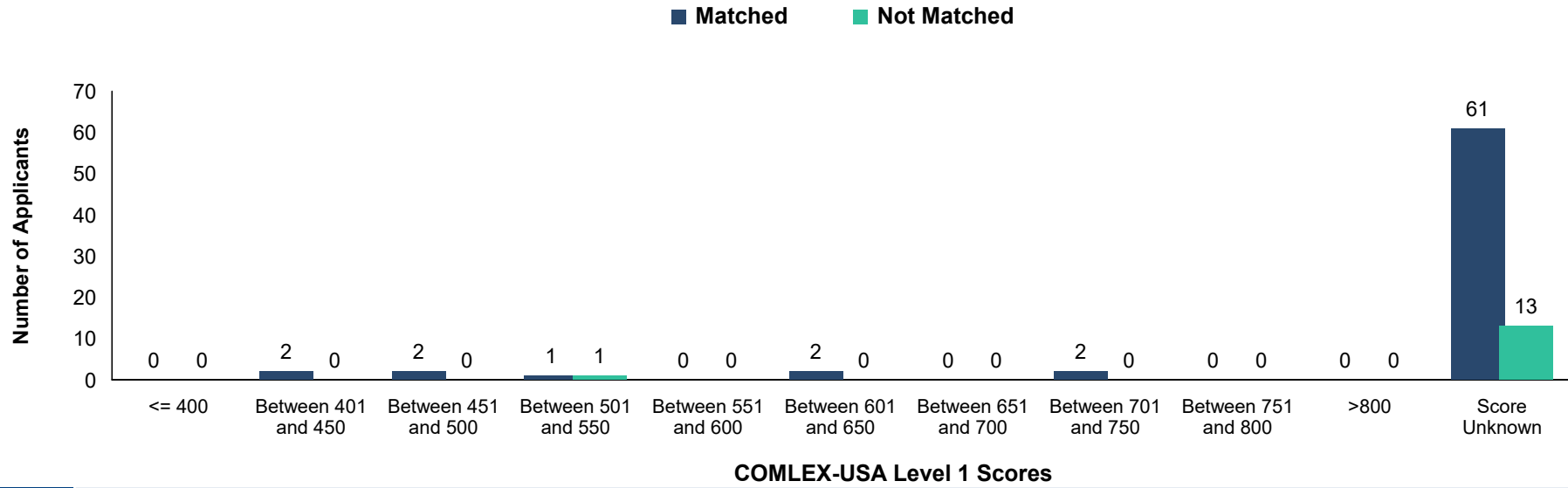
**Probability of U.S. DO Seniors Matching to Preferred Specialty by Number of Contiguous Ranks**  
*Pathology*



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

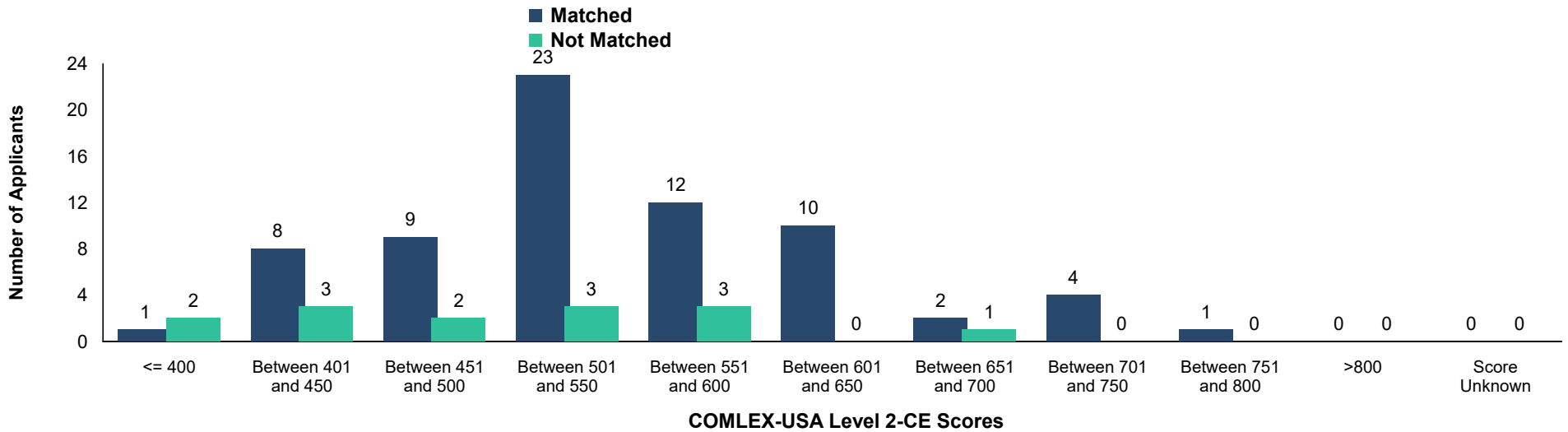
**Chart  
PTH-3**

**COMLEX-USA Level 1 Scores of U.S. DO Seniors  
Pathology**



**Chart  
PTH-4**

**COMLEX-USA Level 2-CE Scores of U.S. DO Seniors  
Pathology**

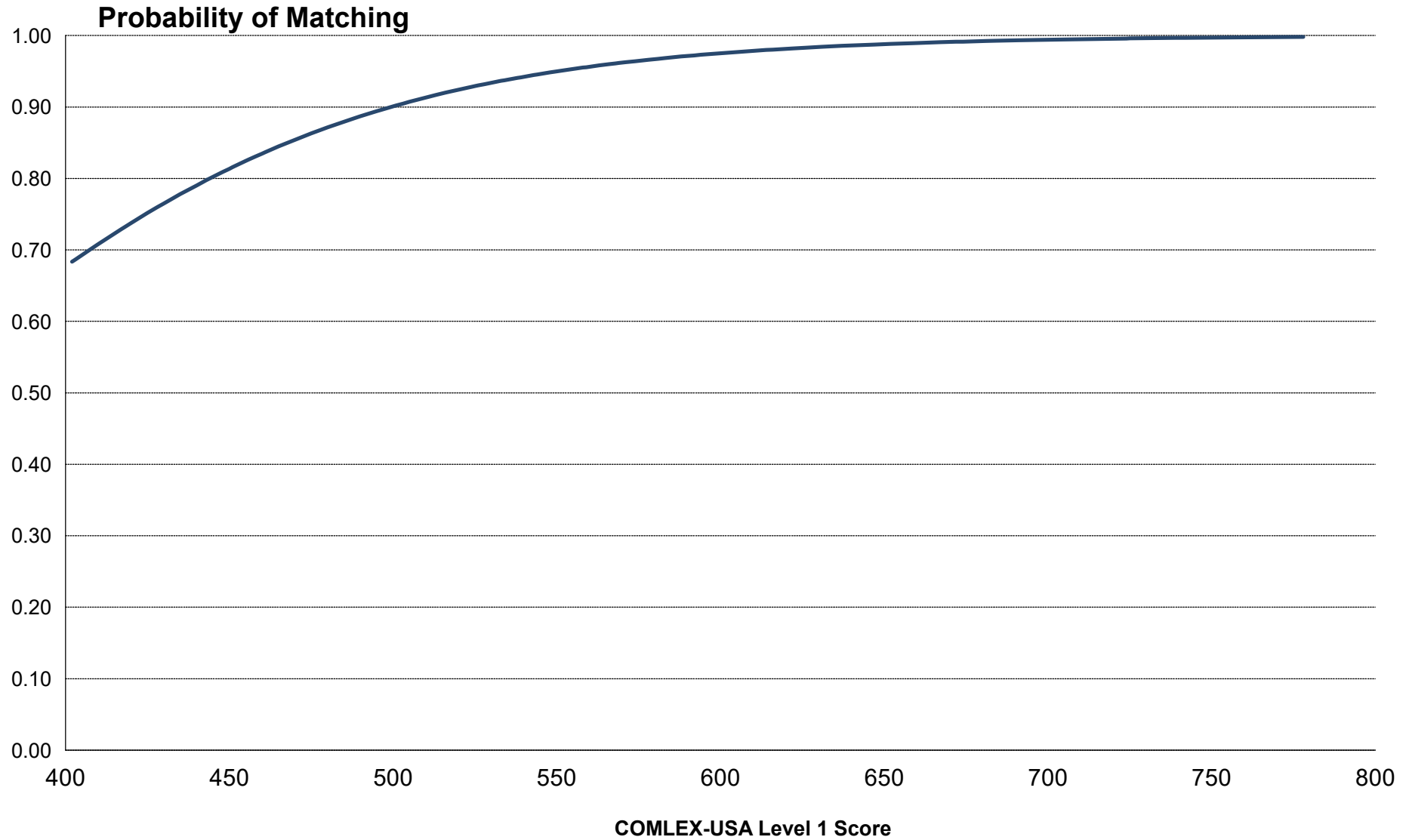


Source: NRMP Data Warehouse



**Graph  
PTH-2**

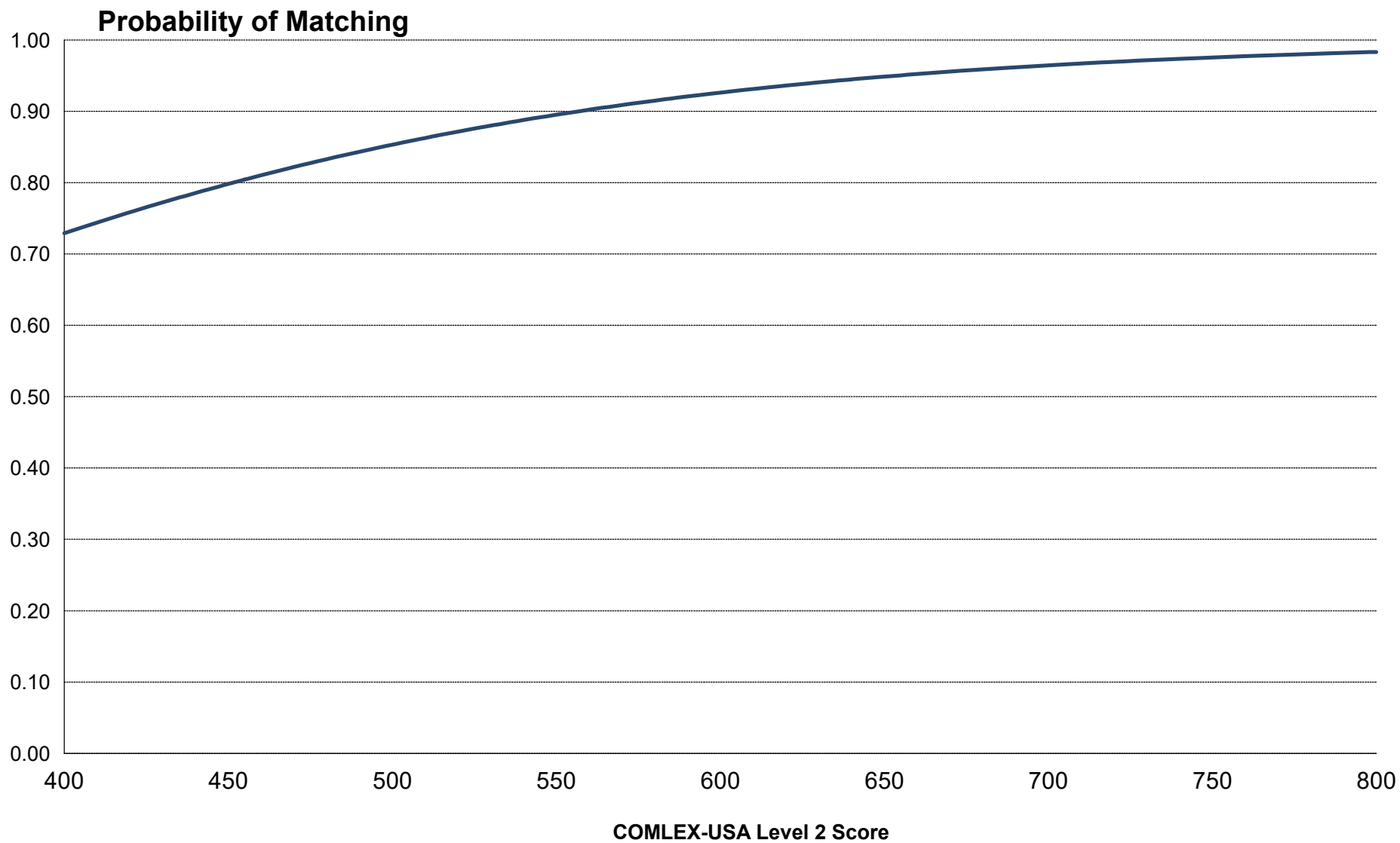
**Probability of U.S. DO Seniors Matching to Preferred Specialty by COMLEX-USA Level 1 Score**  
*Pathology*



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

# Probability of U.S. DO Seniors Matching to Preferred Specialty by COMLEX-USA Level 2 Score

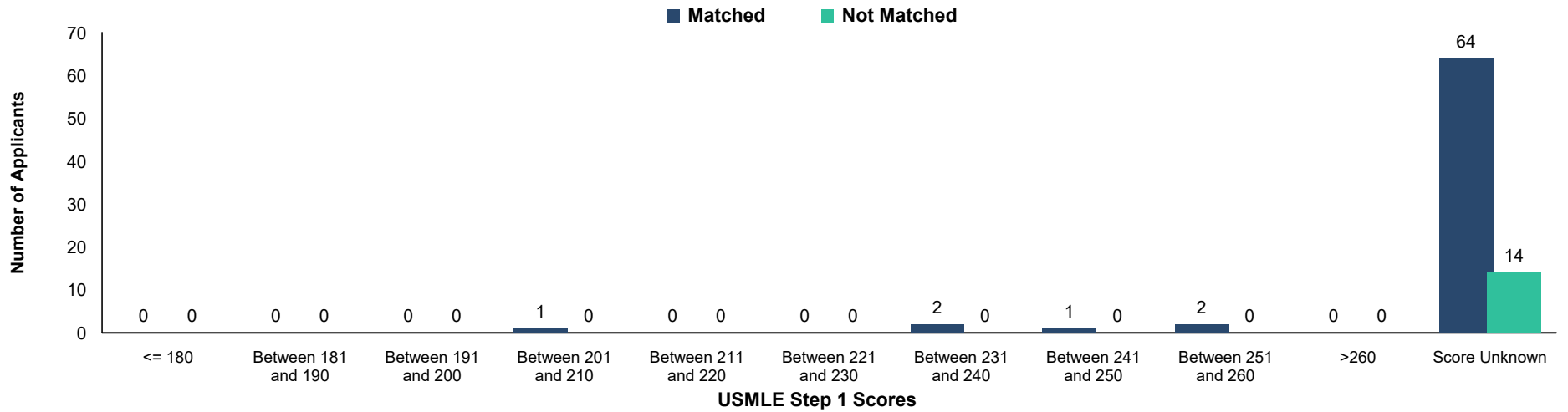
*Pathology*



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

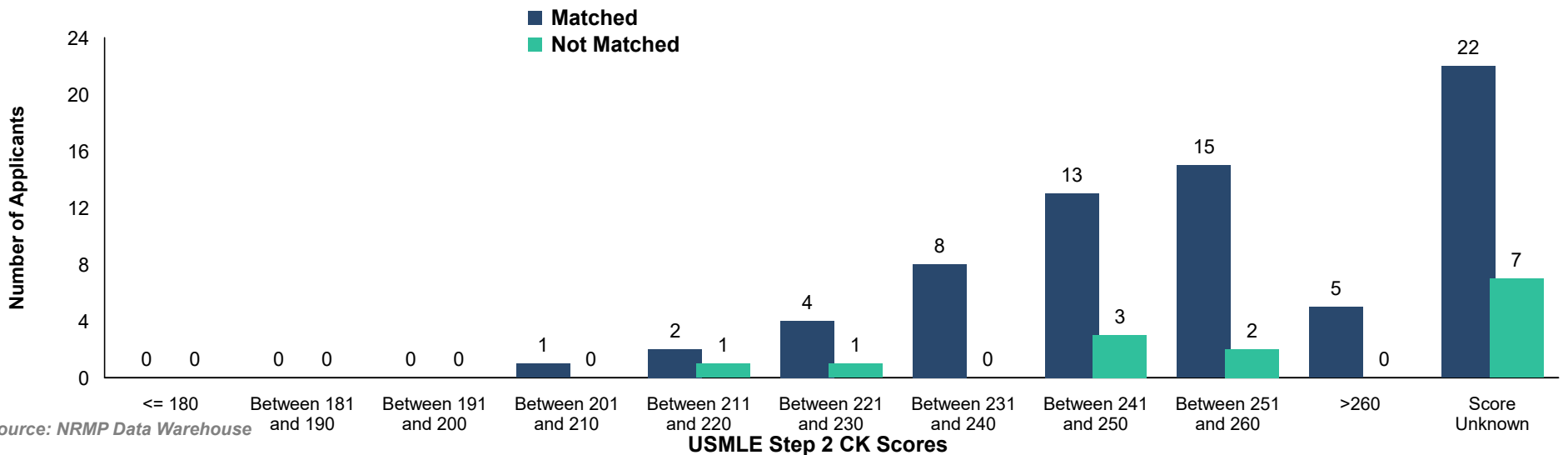
**Chart  
PTH-5**

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



**Chart  
PTH-6**

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



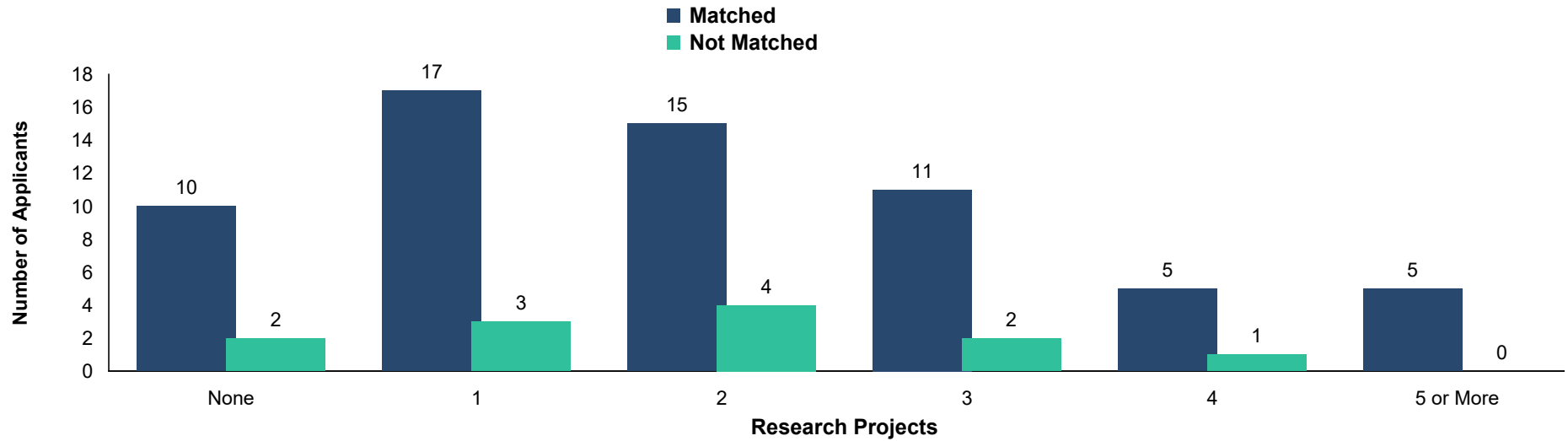
Source: NRMP Data Warehouse

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**Charting Outcomes in the Match:  
U.S. DO Seniors, 2024**

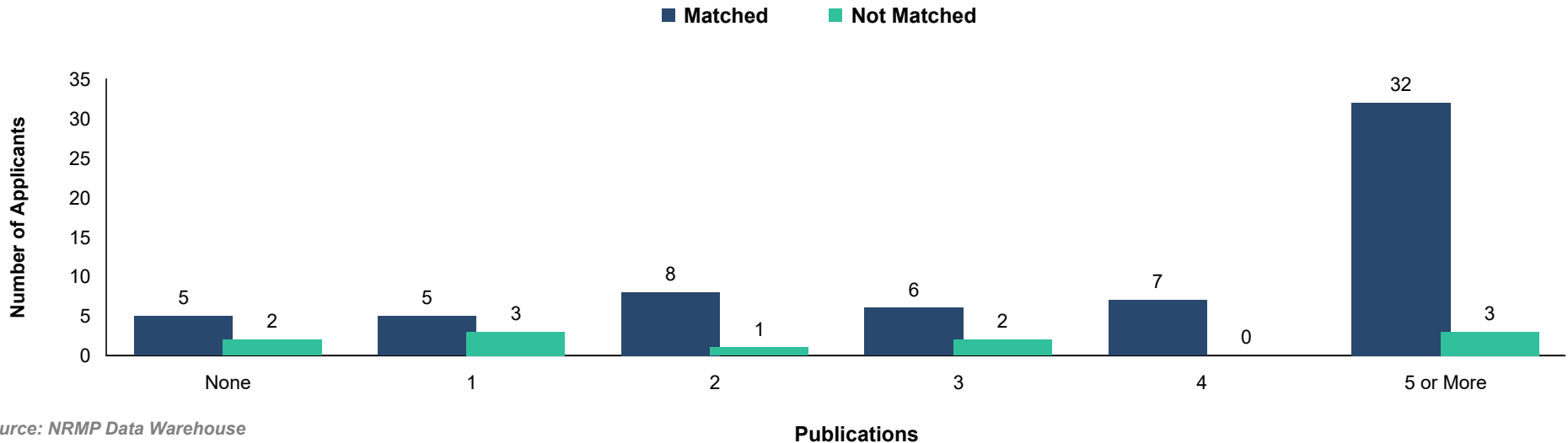
**Chart  
PTH-7**

### Number of Research Projects of U.S. DO Seniors *Pathology*



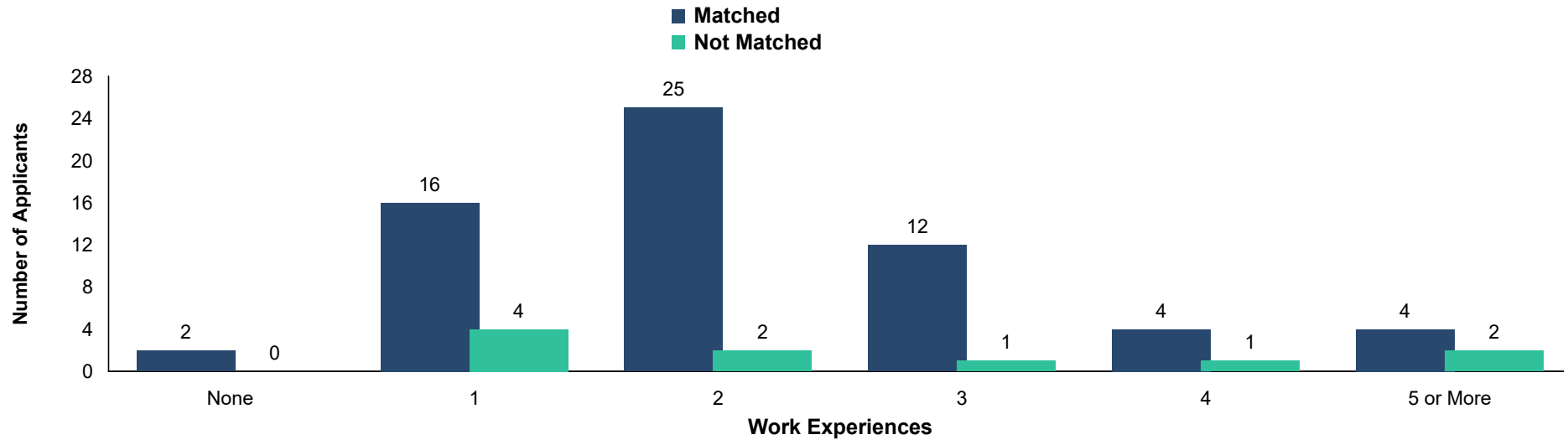
**Chart  
PTH-8**

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

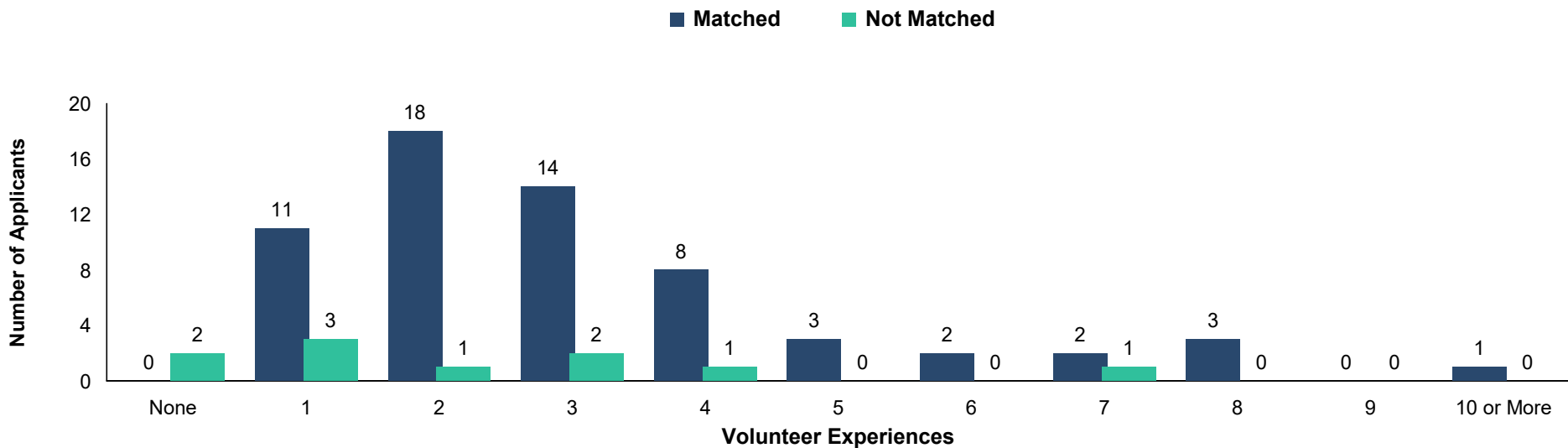


Source: NRMP Data Warehouse

**Chart PTH-9** Number of Work Experiences of U.S. DO Seniors  
*Pathology*

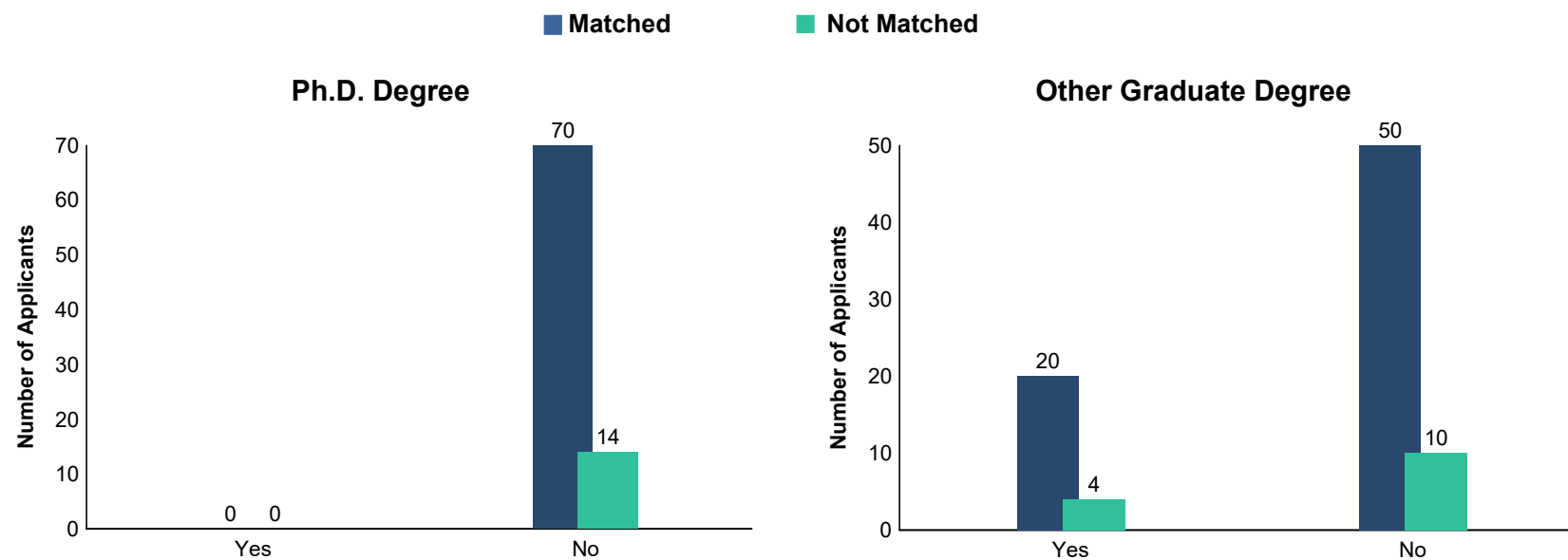


**Chart PTH-10** Number of Volunteer Experiences of U.S. DO Seniors  
*Pathology*



Source: NRMP Data Warehouse

## Other Characteristics of U.S. DO Seniors *Pathology*



Source: NRMP Data Warehouse.

---

**PD** Pediatrics

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

| Measure                                                      | Matched<br>(n=454) | Unmatched<br>(n=3) |
|--------------------------------------------------------------|--------------------|--------------------|
| 1. Mean number of contiguous ranks                           | 14.2               | 2.7                |
| 2. Mean number of distinct specialties ranked                | 1.1                | 1.3                |
| 3. Mean COMLEX-USA Level 1 score*                            | 535                | 435                |
| 4. Mean COMLEX-USA Level 2-CE score                          | 534                | 444                |
| 5. Mean USMLE Step 1 score*                                  | 226                |                    |
| 6. Mean USMLE Step 2 CK score                                | 241                |                    |
| 7. Mean number of research experiences                       | 1.8                | 2.0                |
| 8. Mean number of abstracts, presentations, and publications | 3.6                | 2.0                |
| 9. Mean number of work experiences                           | 2.1                | 2.0                |
| 10. Mean number of volunteer experiences                     | 5.3                | 5.0                |
| 11. Percentage who have a Ph.D. degree                       | 0.2                | 0.0                |
| 12. Percentage who have another graduate degree              | 21.2               | 50.0               |

Source: NRMP Data Warehouse.

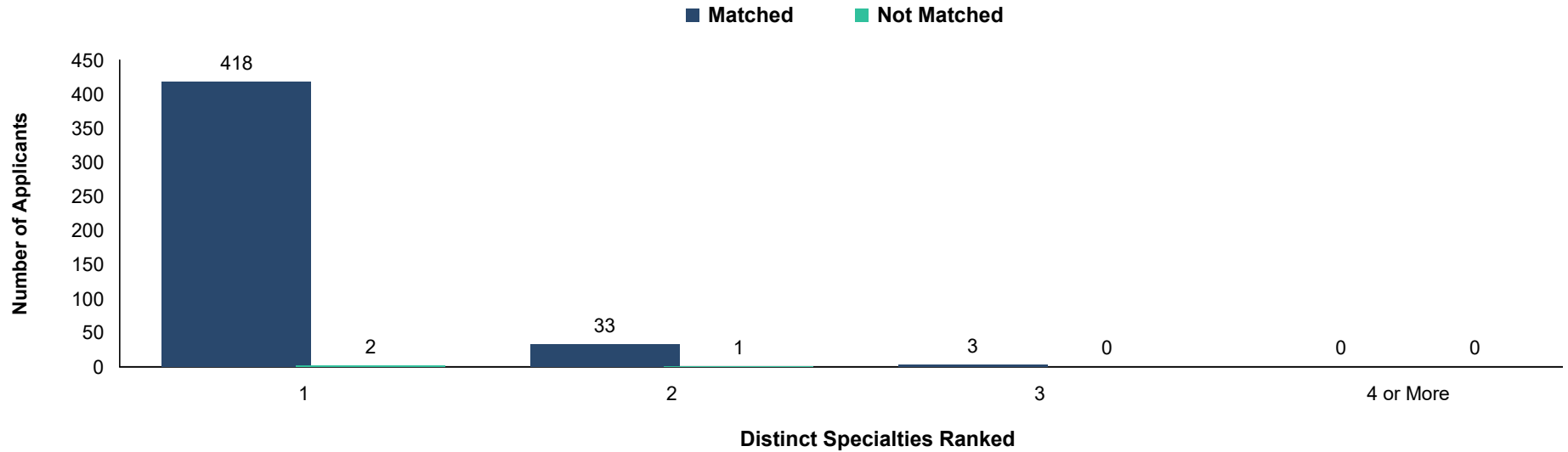
Note: Only U.S. DO seniors who gave consent to use their information in research are included.

\*Only applicants who indicated completion of the COMLEX Level 1 or USMLE Step 1 exams prior to the transition to pass/fail (i.e., prior to May 10, 2022 for Level 1, January 26, 2022 for Step 1) had the option to self-report their numeric scores. In 2024, only 340 U.S. DO seniors self-reported Level 1 numeric scores, while only 123 reported Step 1 numeric scores.



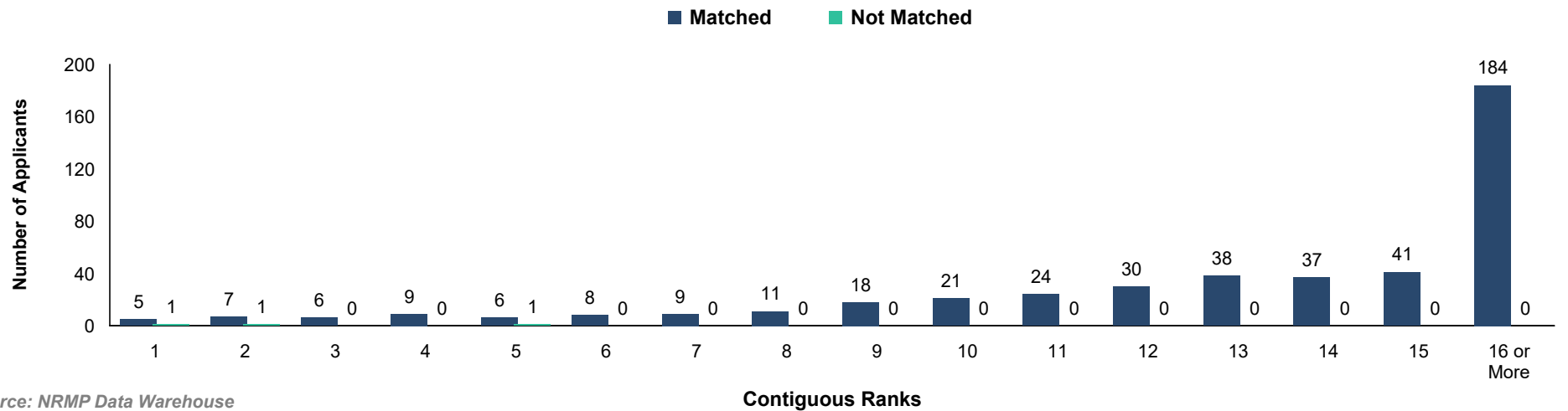
**Chart  
PD-1**

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



**Chart  
PD-2**

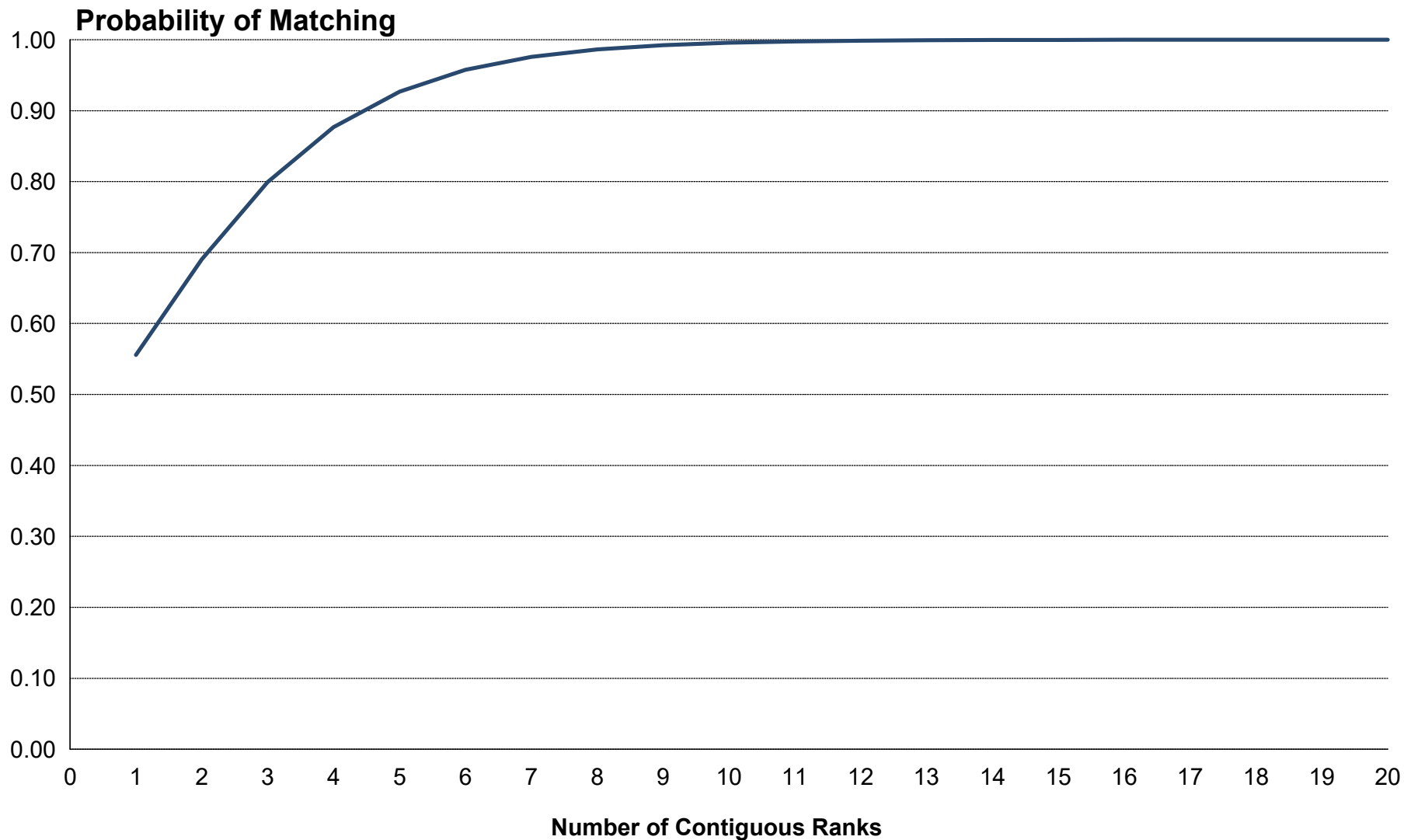
**Number of Contiguous Ranks of U.S. DO Seniors  
*Pediatrics***



Source: NRMP Data Warehouse

**Graph  
PD-1**

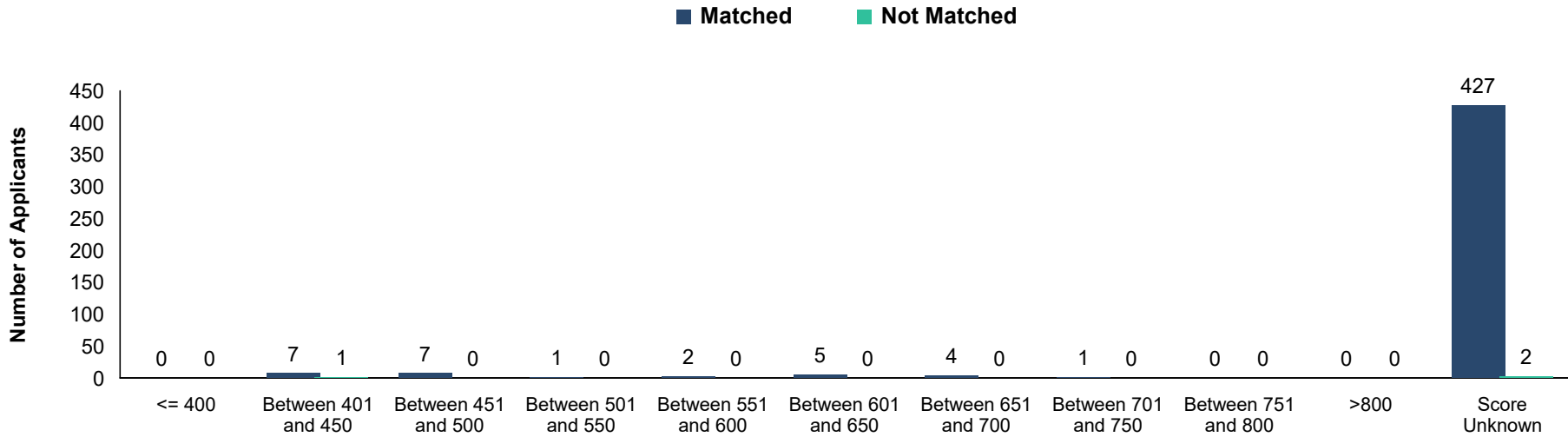
**Probability of U.S. DO Seniors Matching to Preferred Specialty by Number of Contiguous Ranks**  
*Pediatrics*



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

**Chart  
PD-3**

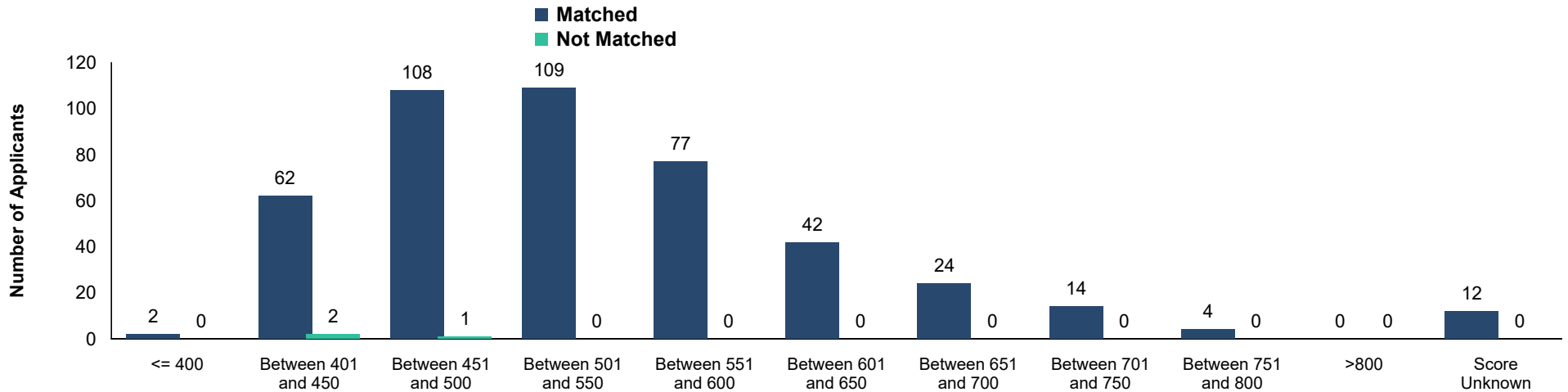
**COMLEX-USA Level 1 Scores of U.S. DO Seniors  
Pediatrics**



COMLEX-USA Level 1 Scores

**Chart  
PD-4**

**COMLEX-USA Level 2-CE Scores of U.S. DO Seniors  
Pediatrics**

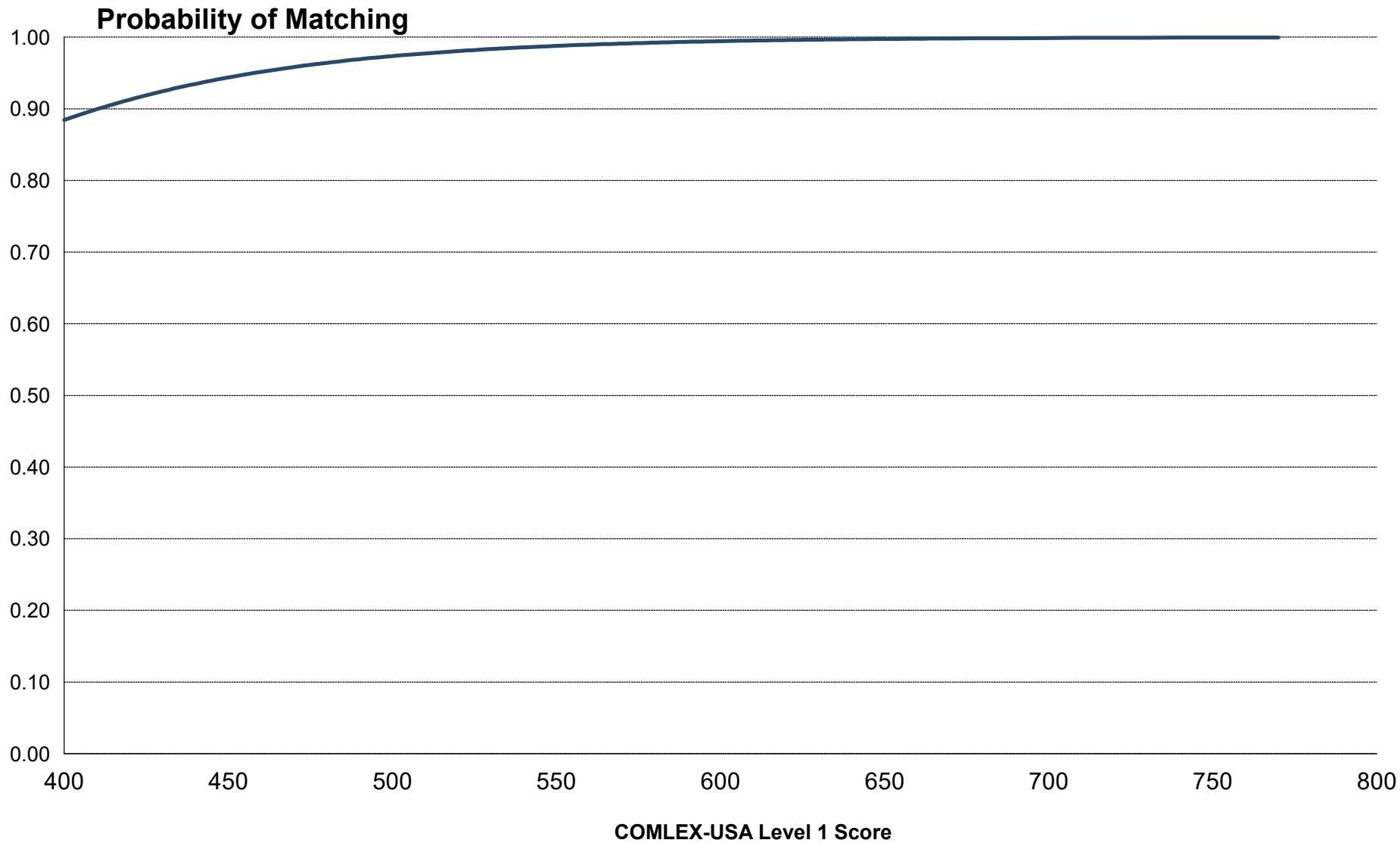


COMLEX-USA Level 2-CE Scores

Source: NRMP Data Warehouse

**Graph  
PD-2**

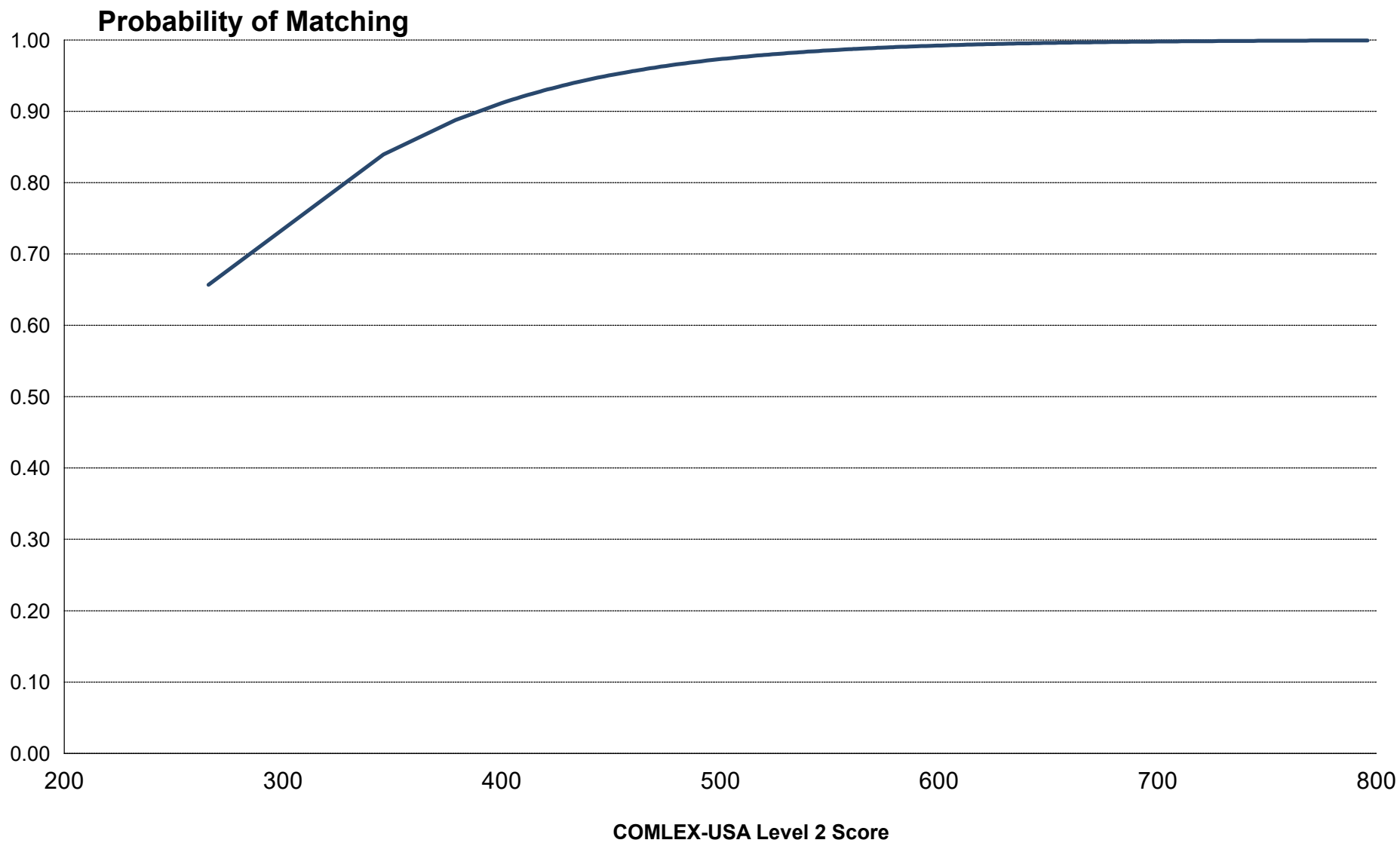
**Probability of U.S. DO Seniors Matching to Preferred Specialty by COMLEX-USA Level 1 Score**  
*Pediatrics*



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

# Probability of U.S. DO Seniors Matching to Preferred Specialty by COMLEX-USA Level 2 Score

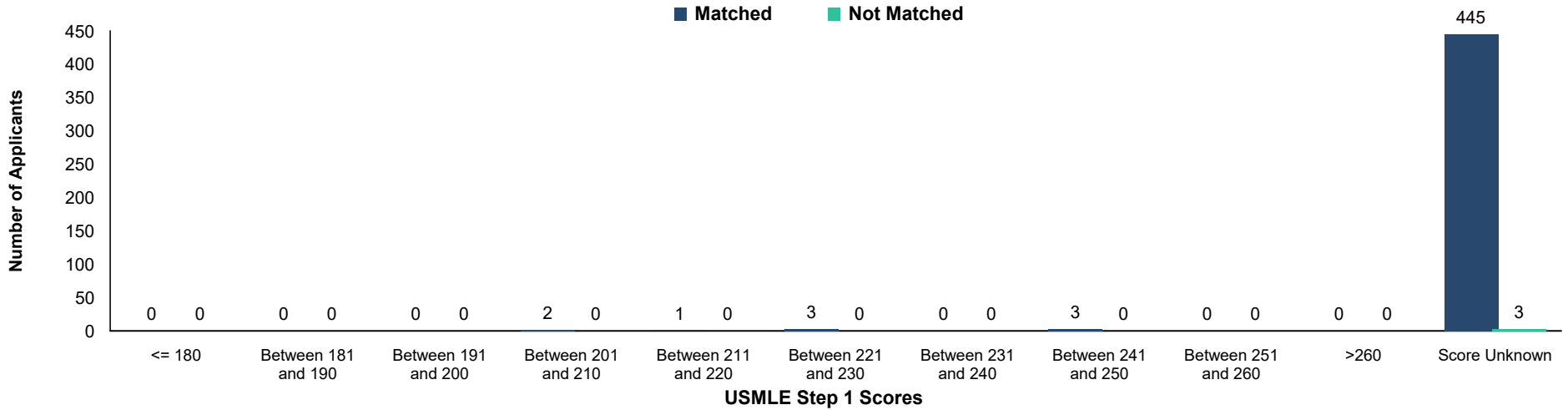
## Pediatrics



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

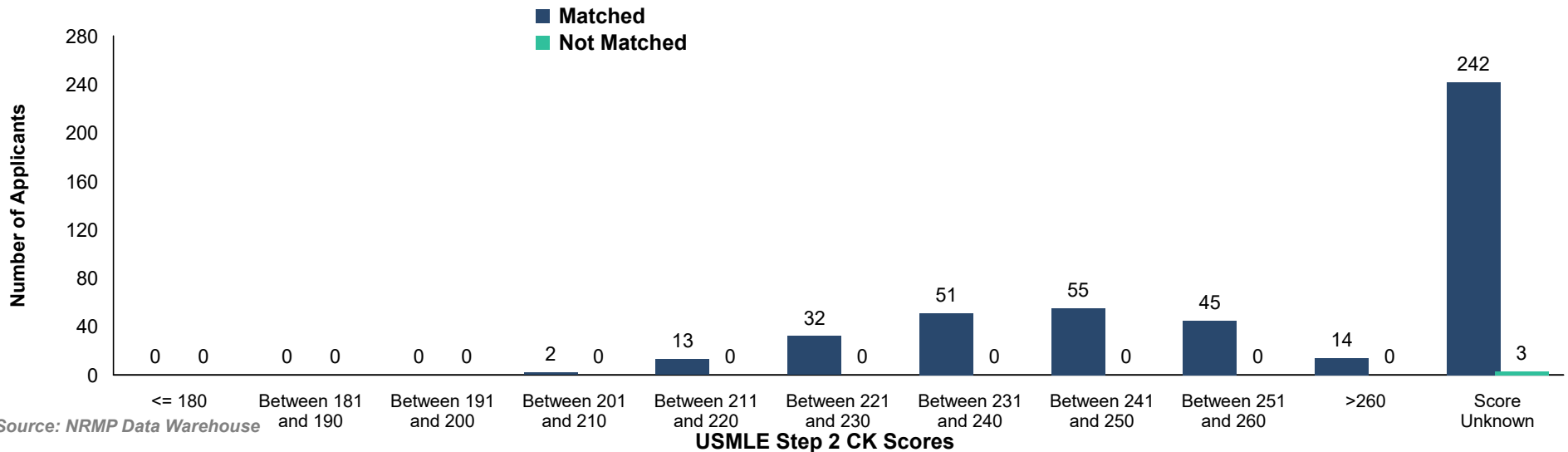
**Chart  
PD-5**

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



**Chart  
PD-6**

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



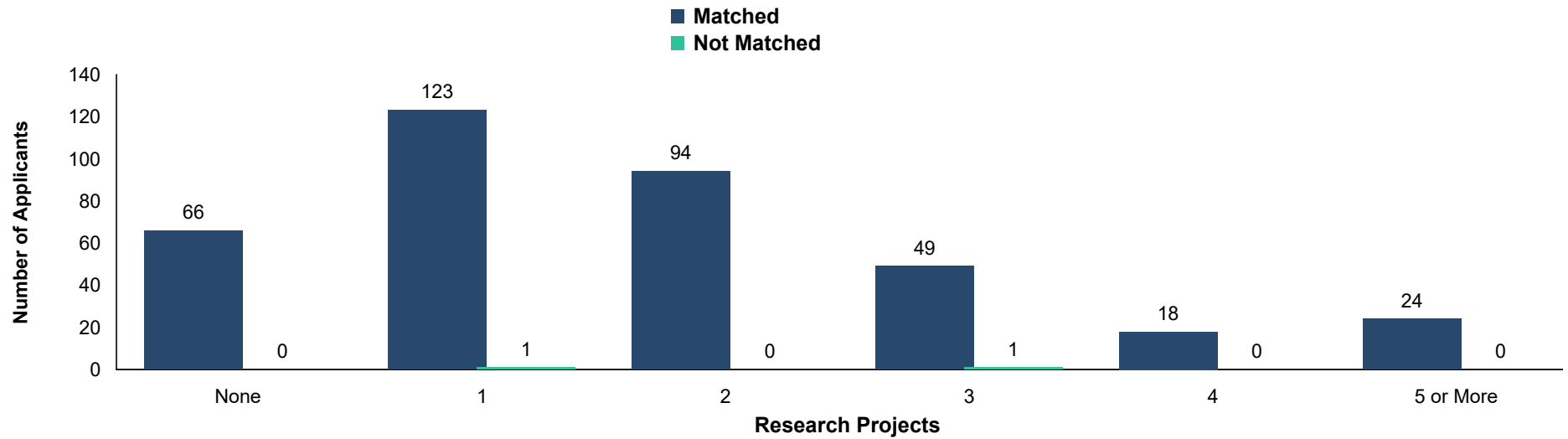
Source: NRMP Data Warehouse

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**Charting Outcomes in the Match:  
U.S. DO Seniors, 2024**

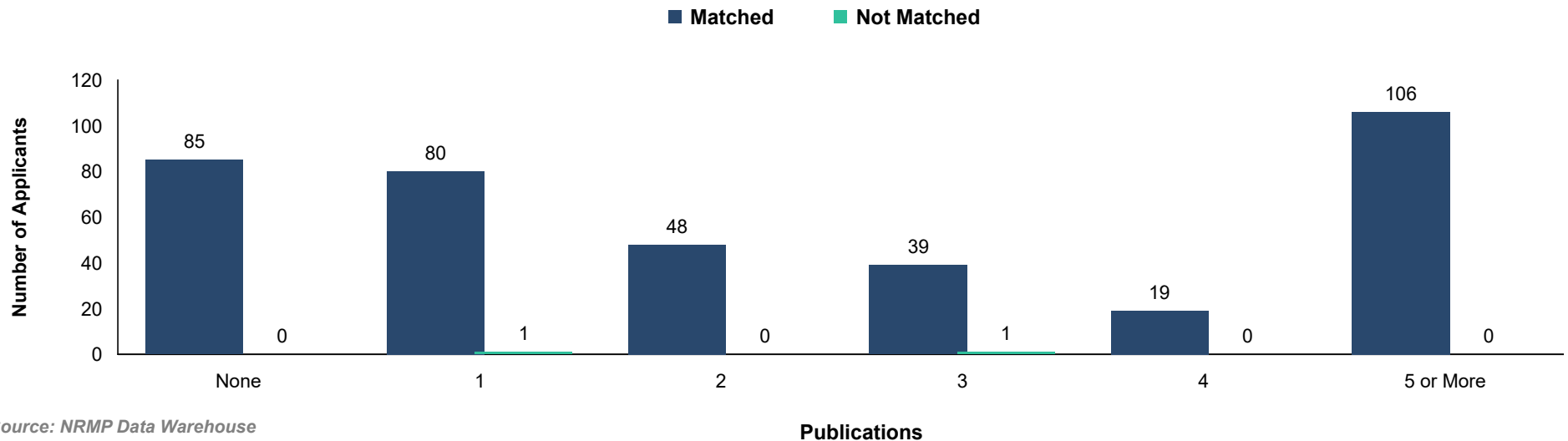
**Chart  
PD-7**

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



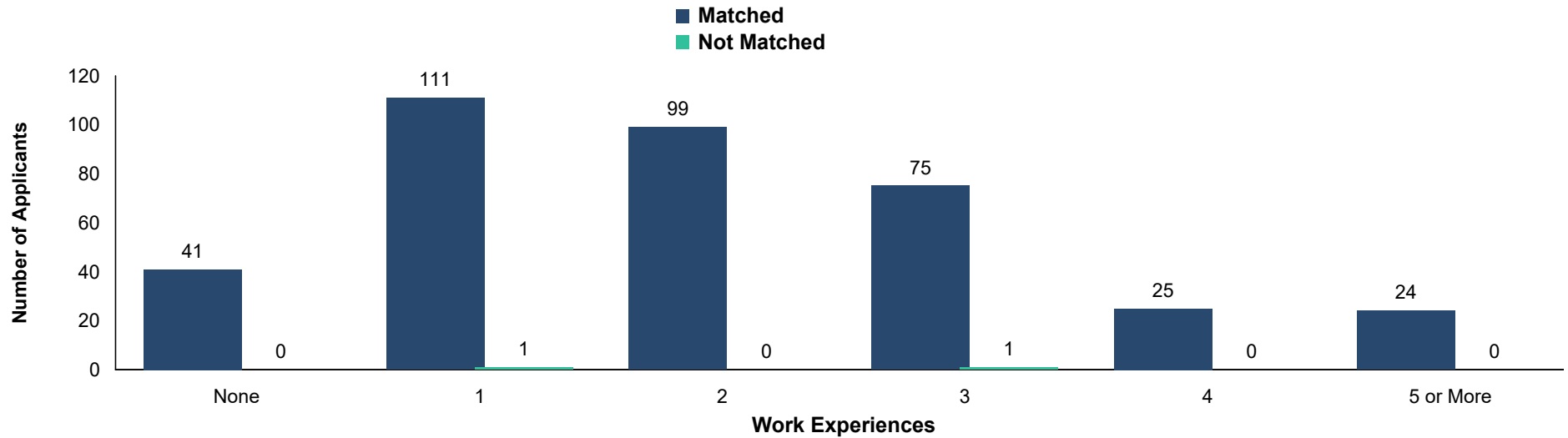
**Chart  
PD-8**

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

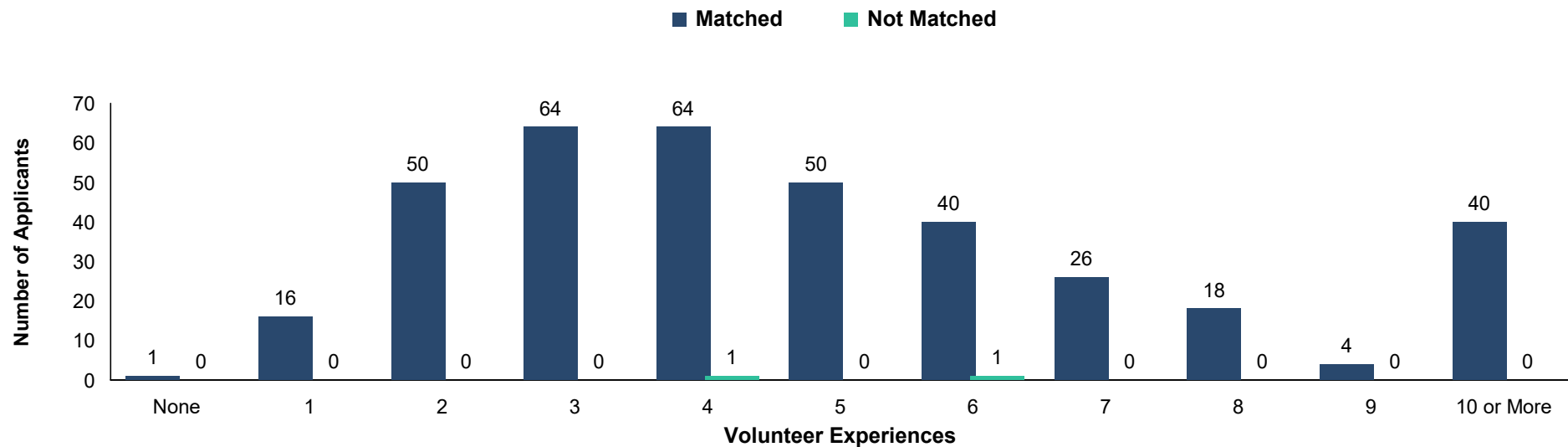


Source: NRMP Data Warehouse

**Chart PD-9** Number of Work Experiences of U.S. DO Seniors  
*Pediatrics*



**Chart PD-10** Number of Volunteer Experiences of U.S. DO Seniors  
*Pediatrics*

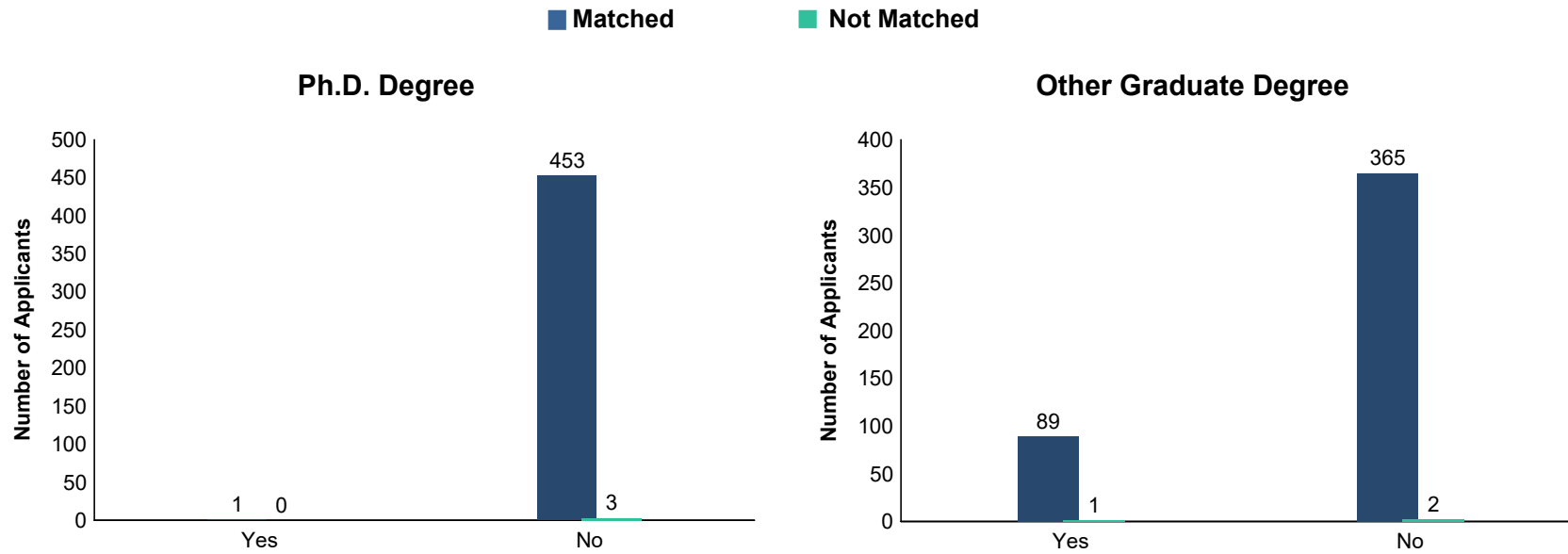


Source: NRMP Data Warehouse



**Chart  
PD-11**

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



Source: NRMP Data Warehouse.

**PM**

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## **Physical Medicine and Rehabilitation**

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

| Measure                                                      | Matched<br>(n=159) | Unmatched<br>(n=52) |
|--------------------------------------------------------------|--------------------|---------------------|
| 1. Mean number of contiguous ranks                           | 12.2               | 5.1                 |
| 2. Mean number of distinct specialties ranked                | 1.9                | 2.0                 |
| 3. Mean COMLEX-USA Level 1 score*                            | 515                | 441                 |
| 4. Mean COMLEX-USA Level 2-CE score                          | 547                | 490                 |
| 5. Mean USMLE Step 1 score*                                  | 225                | 207                 |
| 6. Mean USMLE Step 2 CK score                                | 241                | 231                 |
| 7. Mean number of research experiences                       | 3.3                | 2.1                 |
| 8. Mean number of abstracts, presentations, and publications | 6.8                | 5.2                 |
| 9. Mean number of work experiences                           | 2.5                | 2.3                 |
| 10. Mean number of volunteer experiences                     | 5.1                | 4.7                 |
| 11. Percentage who have a Ph.D. degree                       | 0.7                | 0.0                 |
| 12. Percentage who have another graduate degree              | 31.7               | 28.6                |

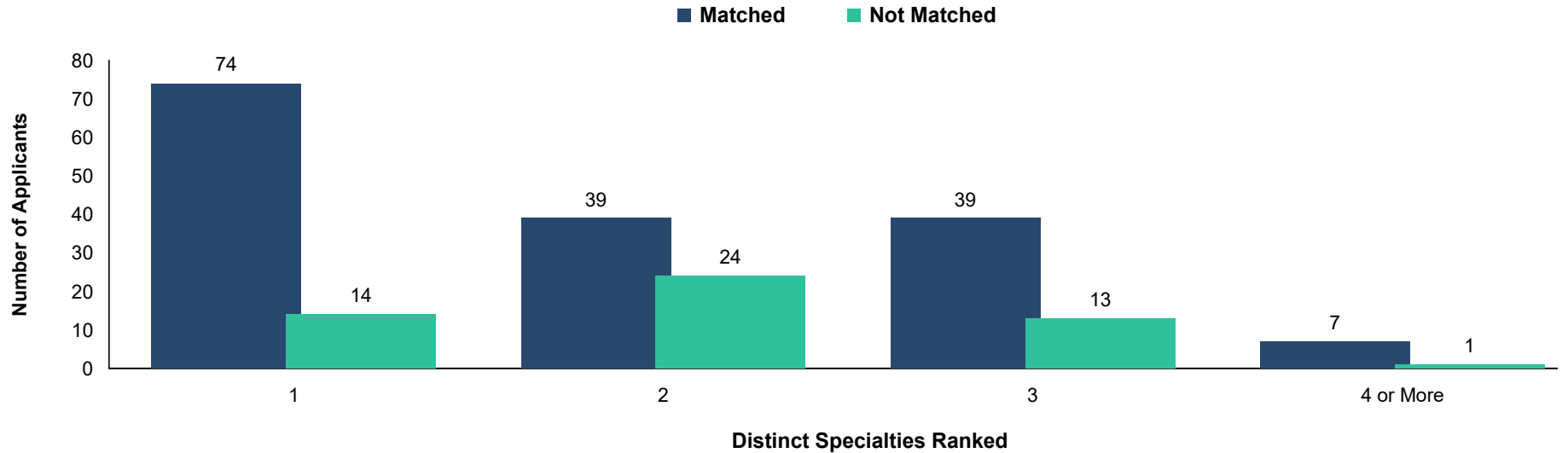
Source: NRMP Data Warehouse.

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

\*Only applicants who indicated completion of the COMLEX Level 1 or USMLE Step 1 exams prior to the transition to pass/fail (i.e., prior to May 10, 2022 for Level 1, January 26, 2022 for Step 1) had the option to self-report their numeric scores. In 2024, only 340 U.S. DO seniors self-reported Level 1 numeric scores, while only 123 reported Step 1 numeric scores.

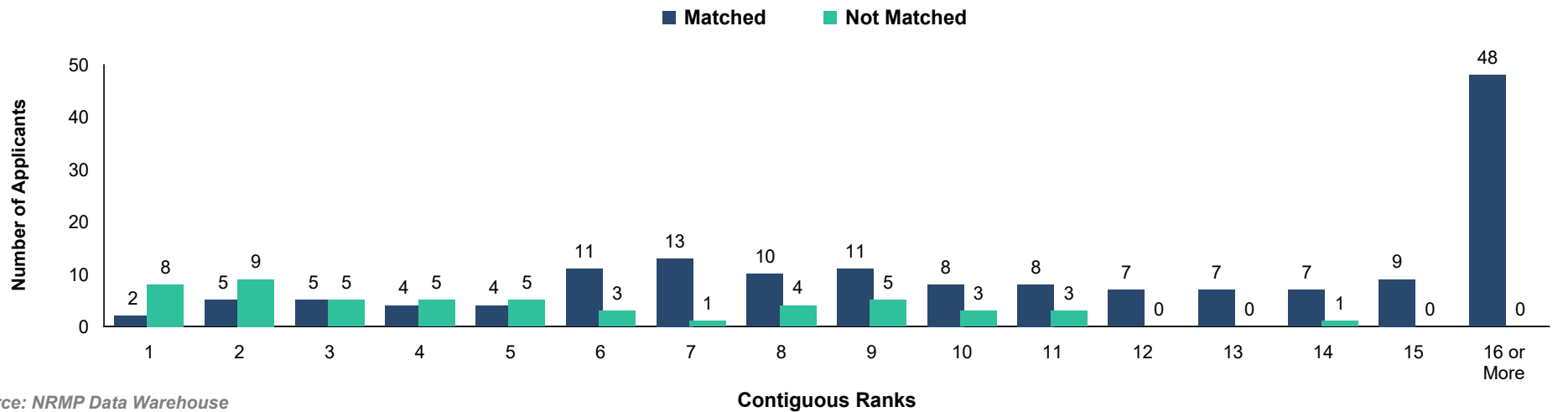
**Chart  
PM-1**

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



**Chart  
PM-2**

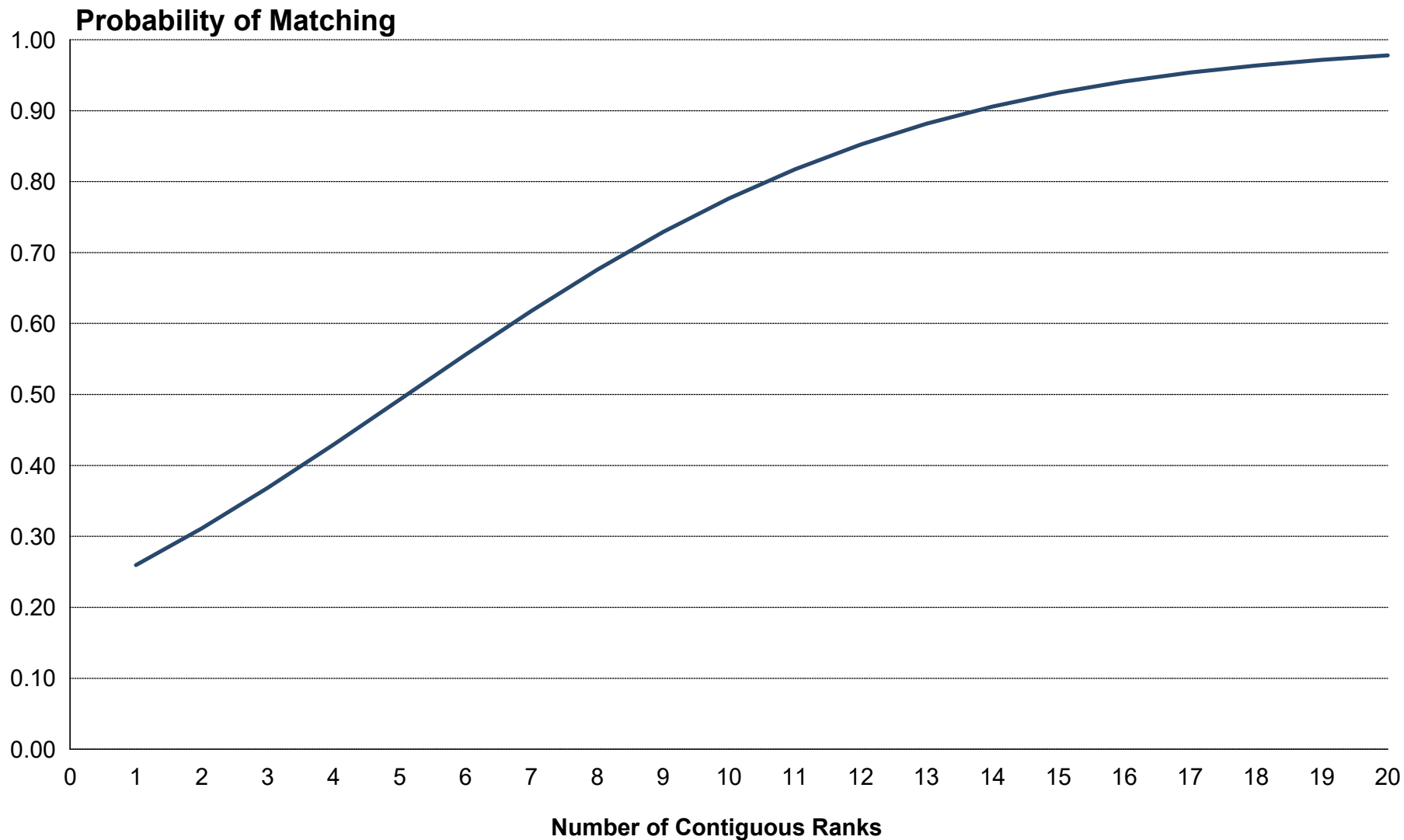
**Number of Contiguous Ranks of U.S. DO Seniors**  
*Physical Medicine and Rehabilitation*



Source: NRMP Data Warehouse

**Graph  
PM-1**

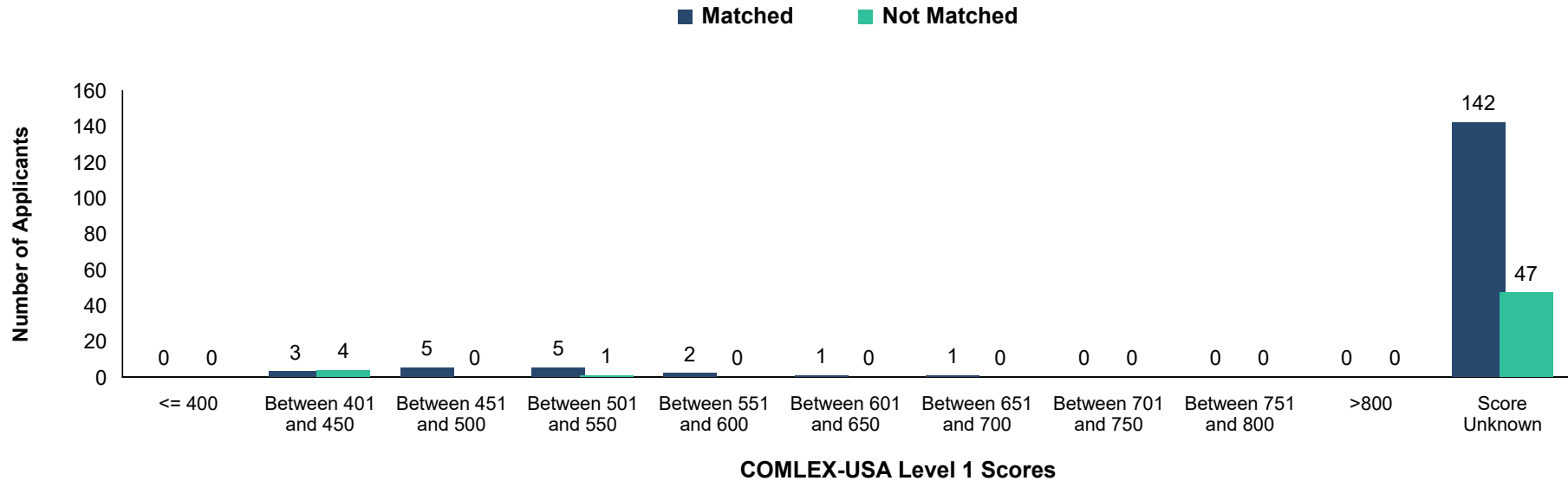
**Probability of U.S. DO Seniors Matching to Preferred Specialty by Number of Contiguous Ranks**  
*Physical Medicine and Rehabilitation*



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

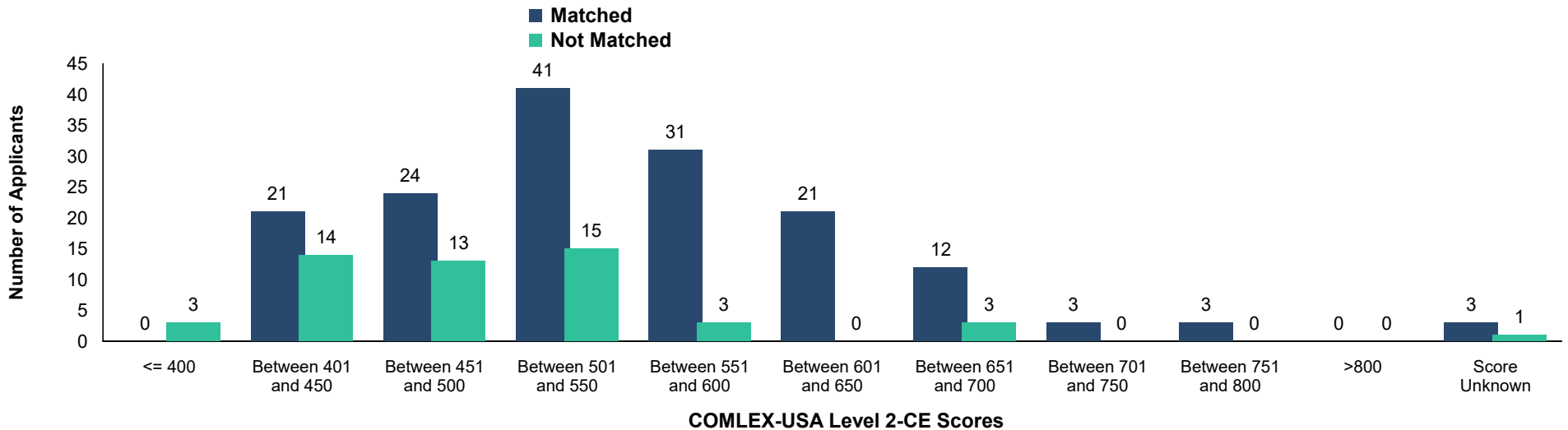
**Chart  
PM-3**

**COMLEX-USA Level 1 Scores of U.S. DO Seniors**  
*Physical Medicine and Rehabilitation*



**Chart  
PM-4**

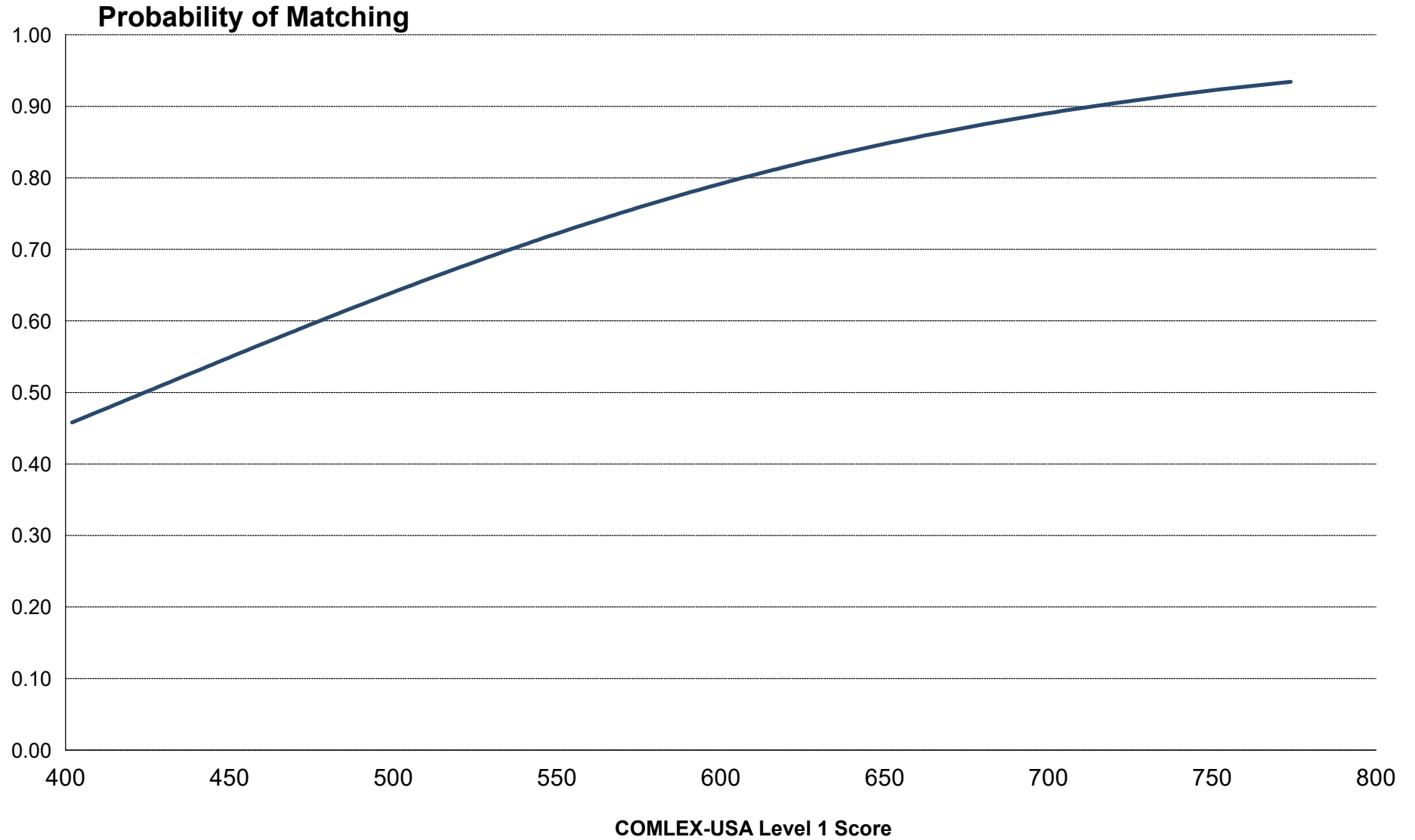
**COMLEX-USA Level 2-CE Scores of U.S. DO Seniors**  
*Physical Medicine and Rehabilitation*



Source: NRMP Data Warehouse

**Graph  
PM-2**

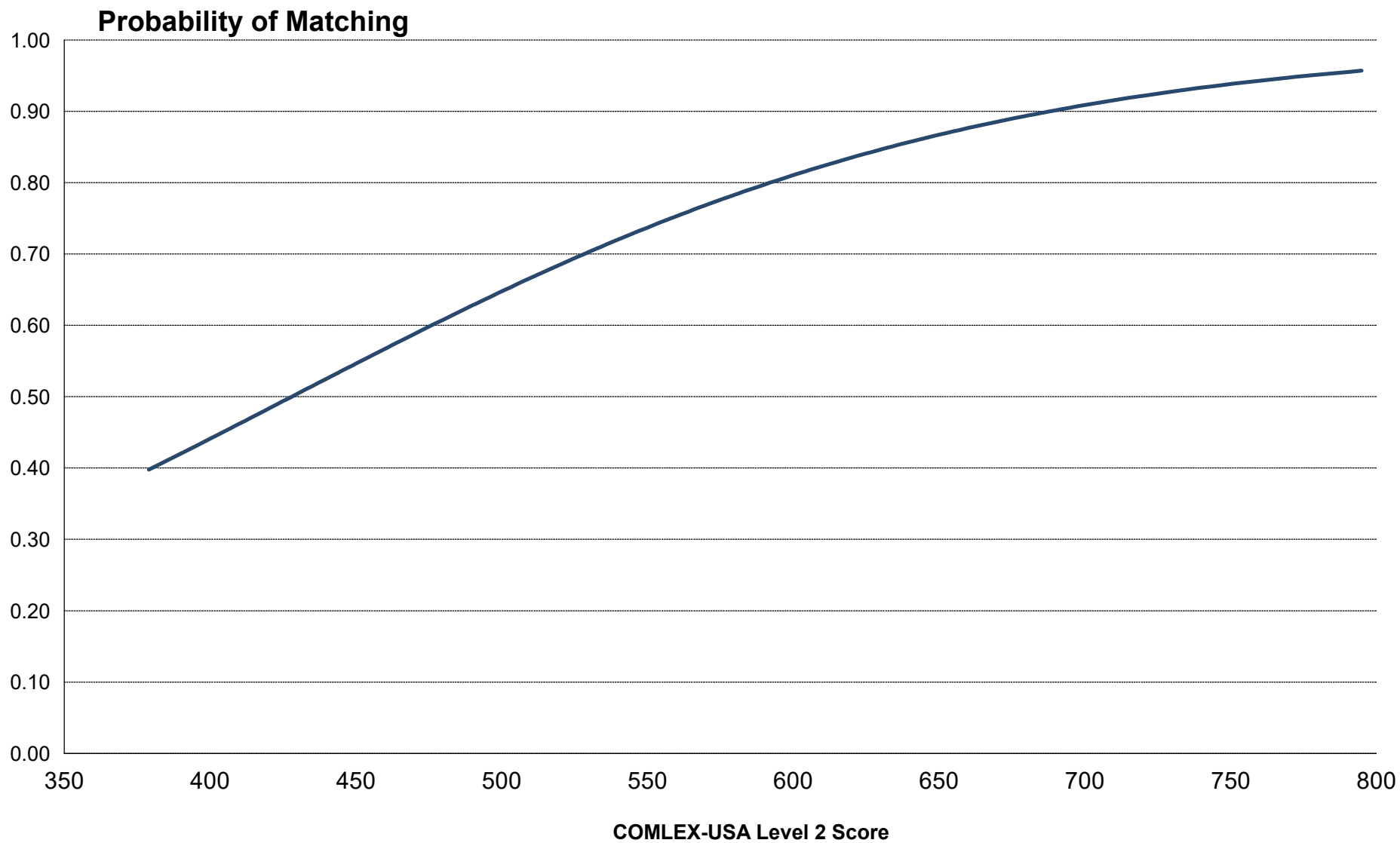
**Probability of U.S. DO Seniors Matching to Preferred Specialty by COMLEX-USA Level 1 Score**  
*Physical Medicine and Rehabilitation*



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

# Probability of U.S. DO Seniors Matching to Preferred Specialty by COMLEX-USA Level 2 Score

*Physical Medicine and Rehabilitation*

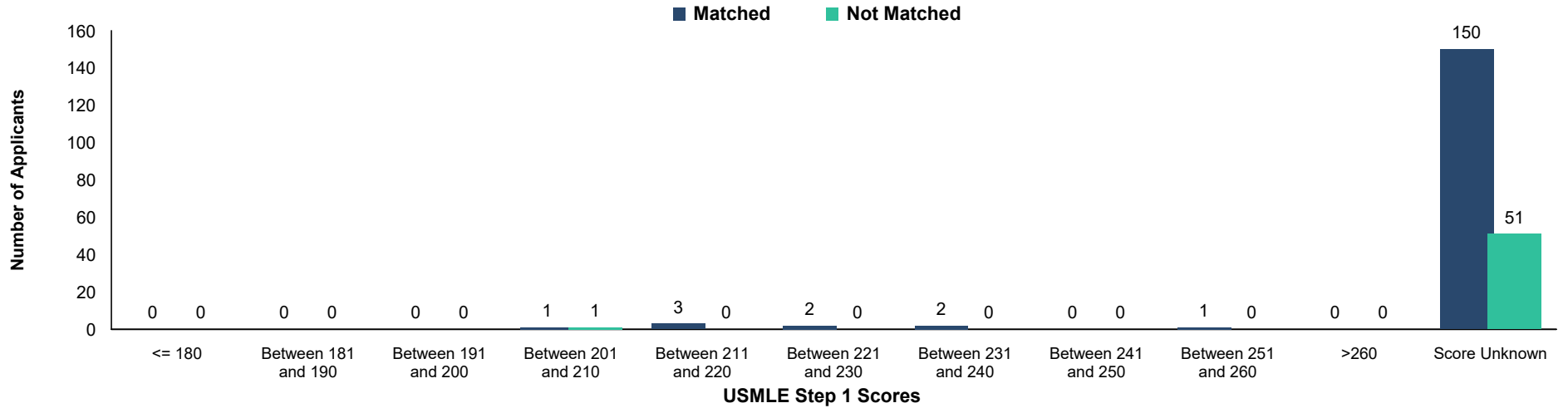


Source: NRMP Data Warehouse. Note: Probabilities calculated based on 2022-2024 applicants.



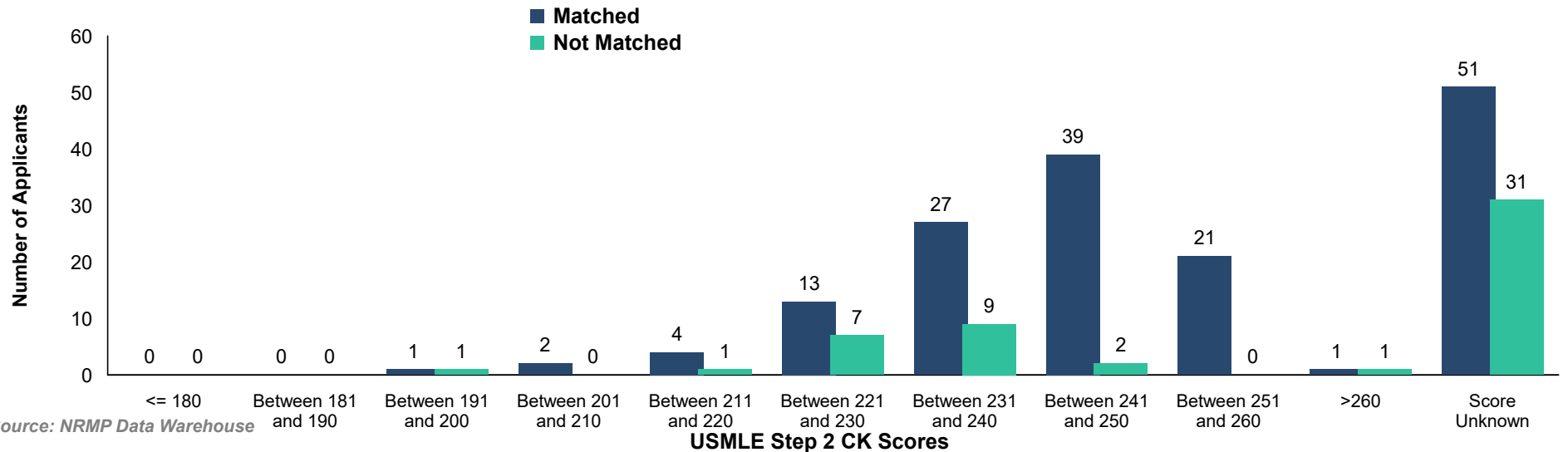
**Chart  
PM-5**

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



**Chart  
PM-6**

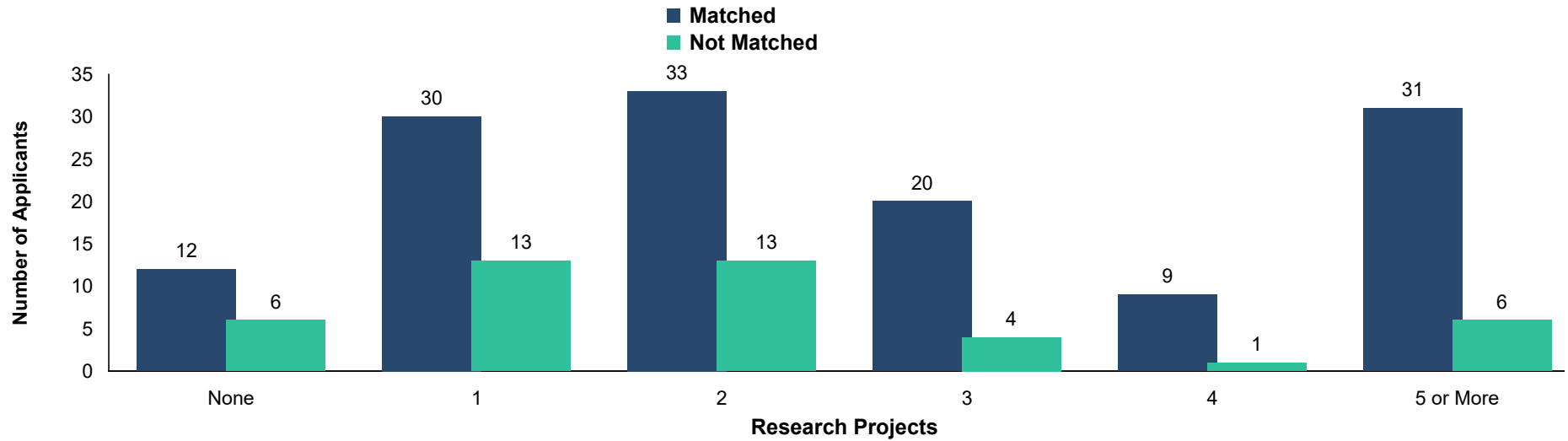
**USMLE Step 2 CK Scores of U.S. DO Seniors**  
*Physical Medicine and Rehabilitation*



Source: NRMP Data Warehouse

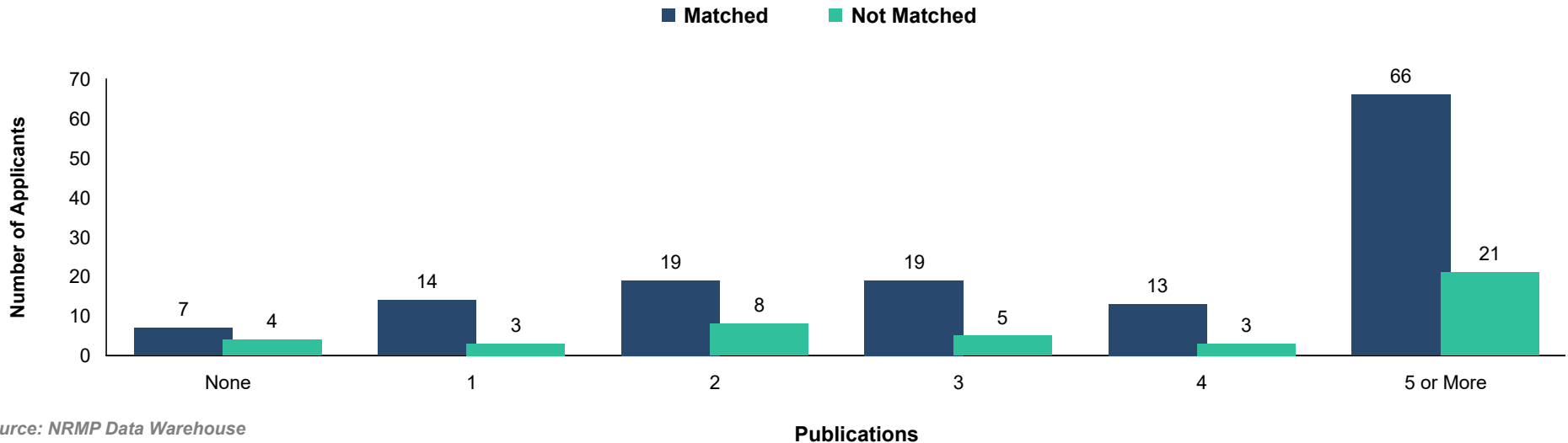
**Chart  
PM-7**

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



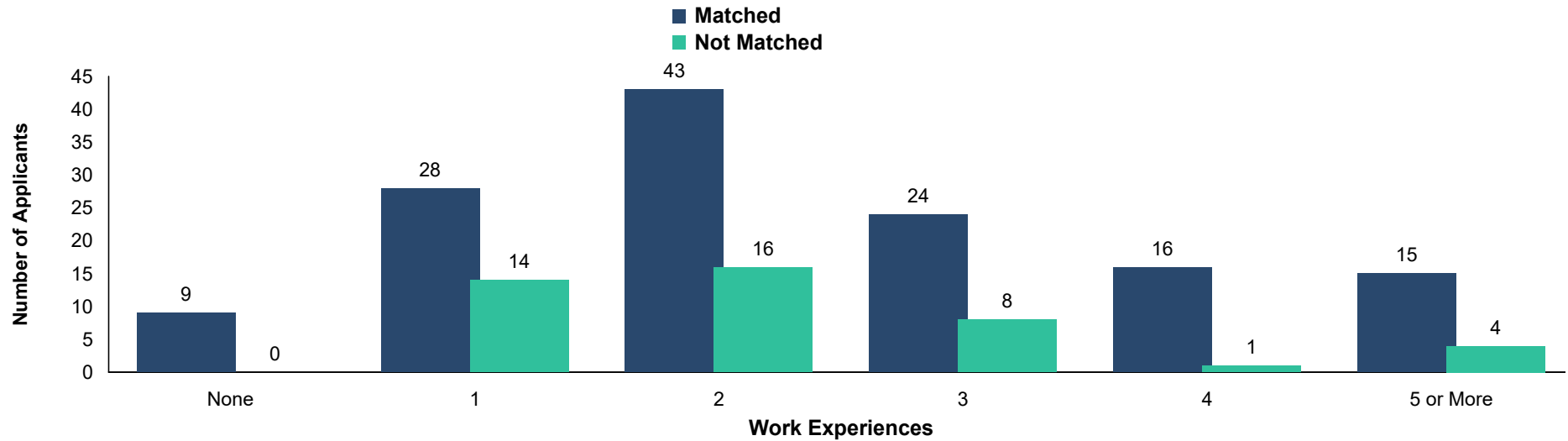
**Chart  
PM-8**

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

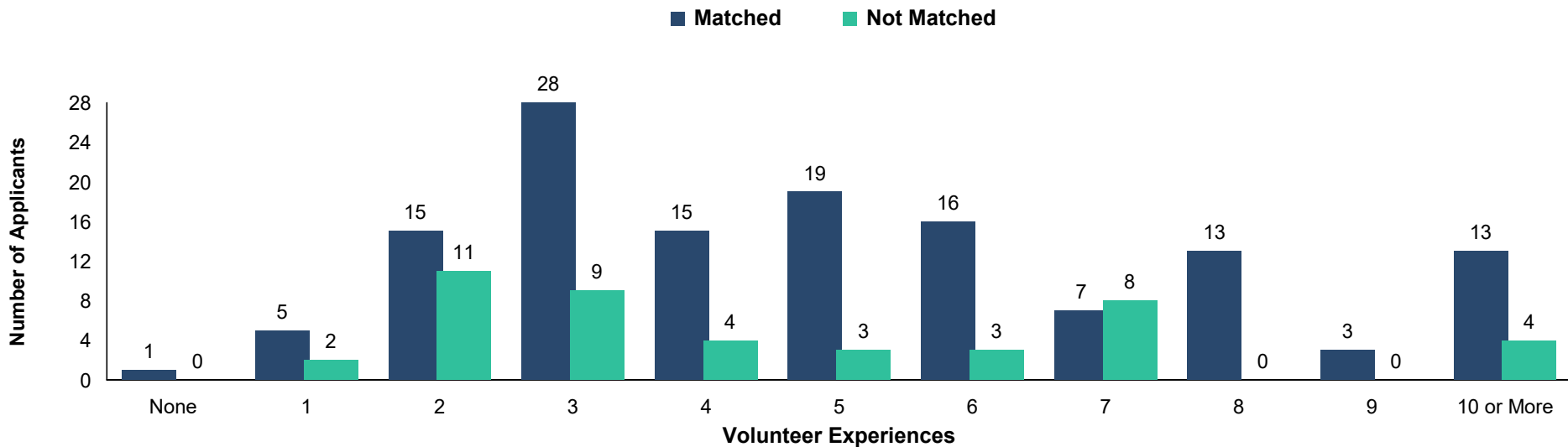


Source: NRMP Data Warehouse

**Chart PM-9** Number of Work Experiences of U.S. DO Seniors  
*Physical Medicine and Rehabilitation*



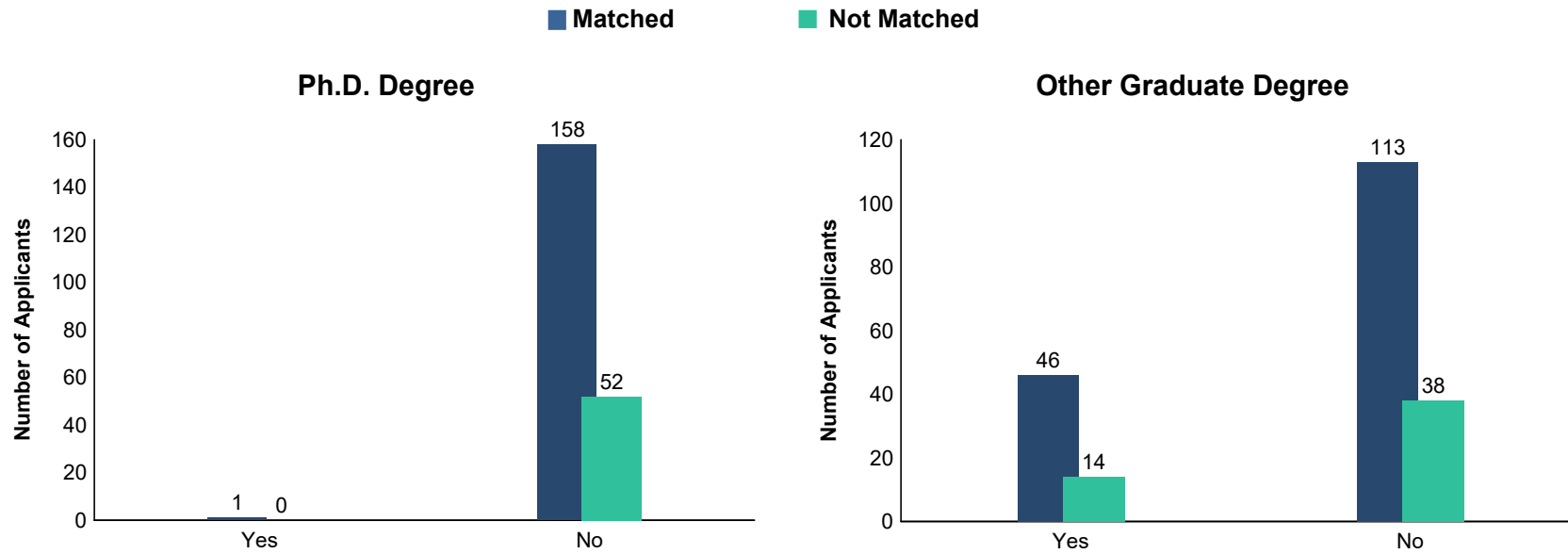
**Chart PM-10** Number of Volunteer Experiences of U.S. DO Seniors  
*Physical Medicine and Rehabilitation*



Source: NRMP Data Warehouse

**Chart  
PM-11**

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



Source: NRMP Data Warehouse.

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**P** Psychiatry

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

| Measure                                                      | Matched<br>(n=385) | Unmatched<br>(n=90) |
|--------------------------------------------------------------|--------------------|---------------------|
| 1. Mean number of contiguous ranks                           | 9.9                | 4.8                 |
| 2. Mean number of distinct specialties ranked                | 1.2                | 1.4                 |
| 3. Mean COMLEX-USA Level 1 score*                            | 480                | 465                 |
| 4. Mean COMLEX-USA Level 2-CE score                          | 525                | 467                 |
| 5. Mean USMLE Step 1 score*                                  | 204                | 233                 |
| 6. Mean USMLE Step 2 CK score                                | 240                | 232                 |
| 7. Mean number of research experiences                       | 2.1                | 1.9                 |
| 8. Mean number of abstracts, presentations, and publications | 3.8                | 3.0                 |
| 9. Mean number of work experiences                           | 2.2                | 2.4                 |
| 10. Mean number of volunteer experiences                     | 4.1                | 4.3                 |
| 11. Percentage who have a Ph.D. degree                       | 1.1                | 0.0                 |
| 12. Percentage who have another graduate degree              | 27.4               | 27.1                |

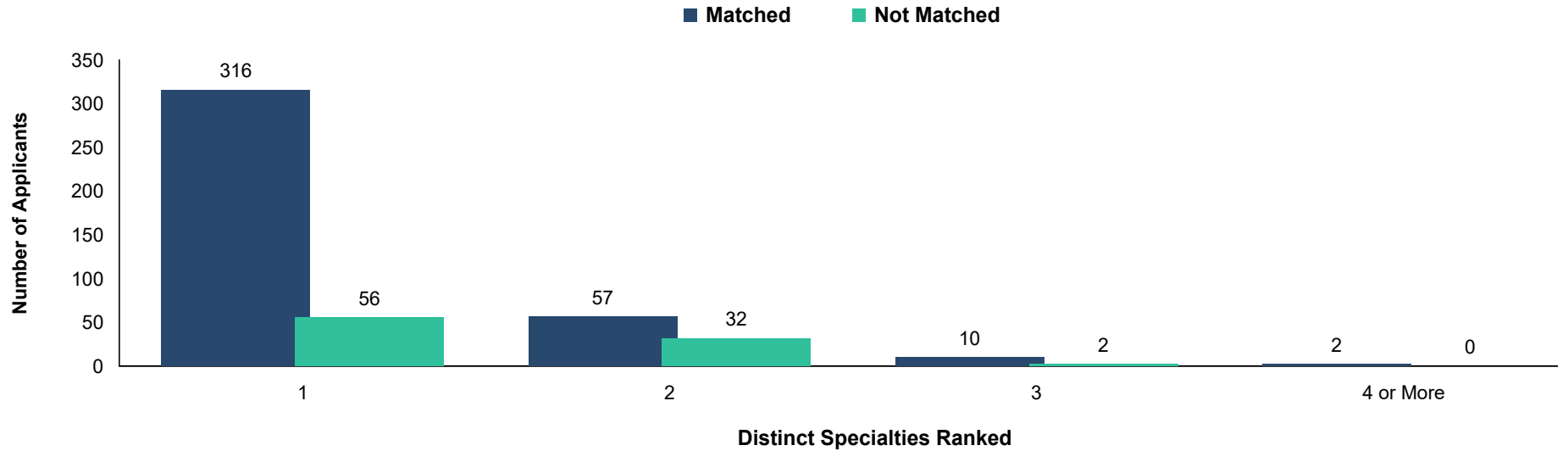
Source: NRMP Data Warehouse.

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

\*Only applicants who indicated completion of the COMLEX Level 1 or USMLE Step 1 exams prior to the transition to pass/fail (i.e., prior to May 10, 2022 for Level 1, January 26, 2022 for Step 1) had the option to self-report their numeric scores. In 2024, only 340 U.S. DO seniors self-reported Level 1 numeric scores, while only 123 reported Step 1 numeric scores.

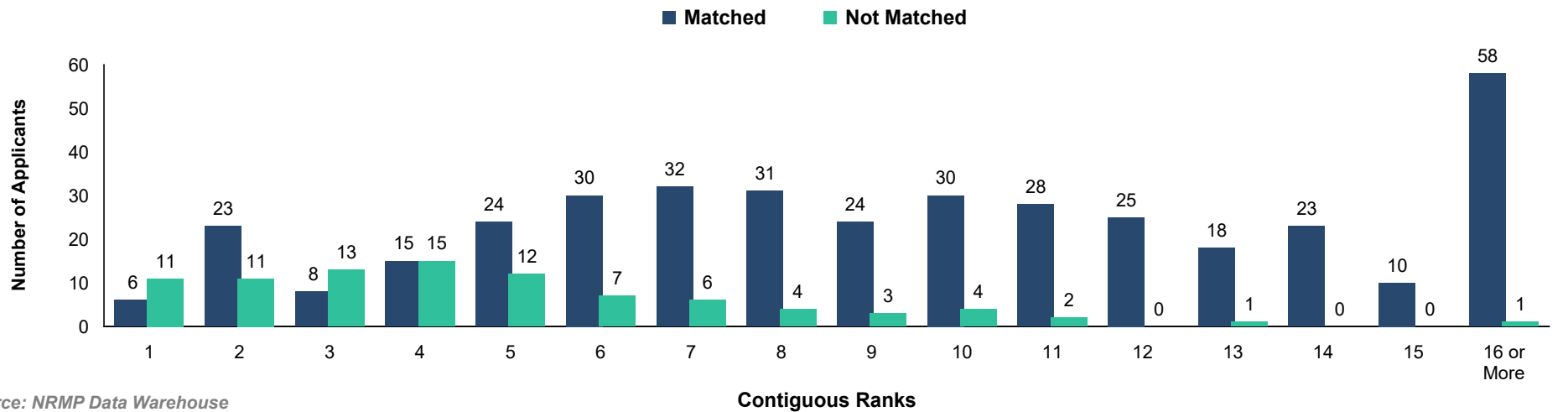
**Chart  
P-1**

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



**Chart  
P-2**

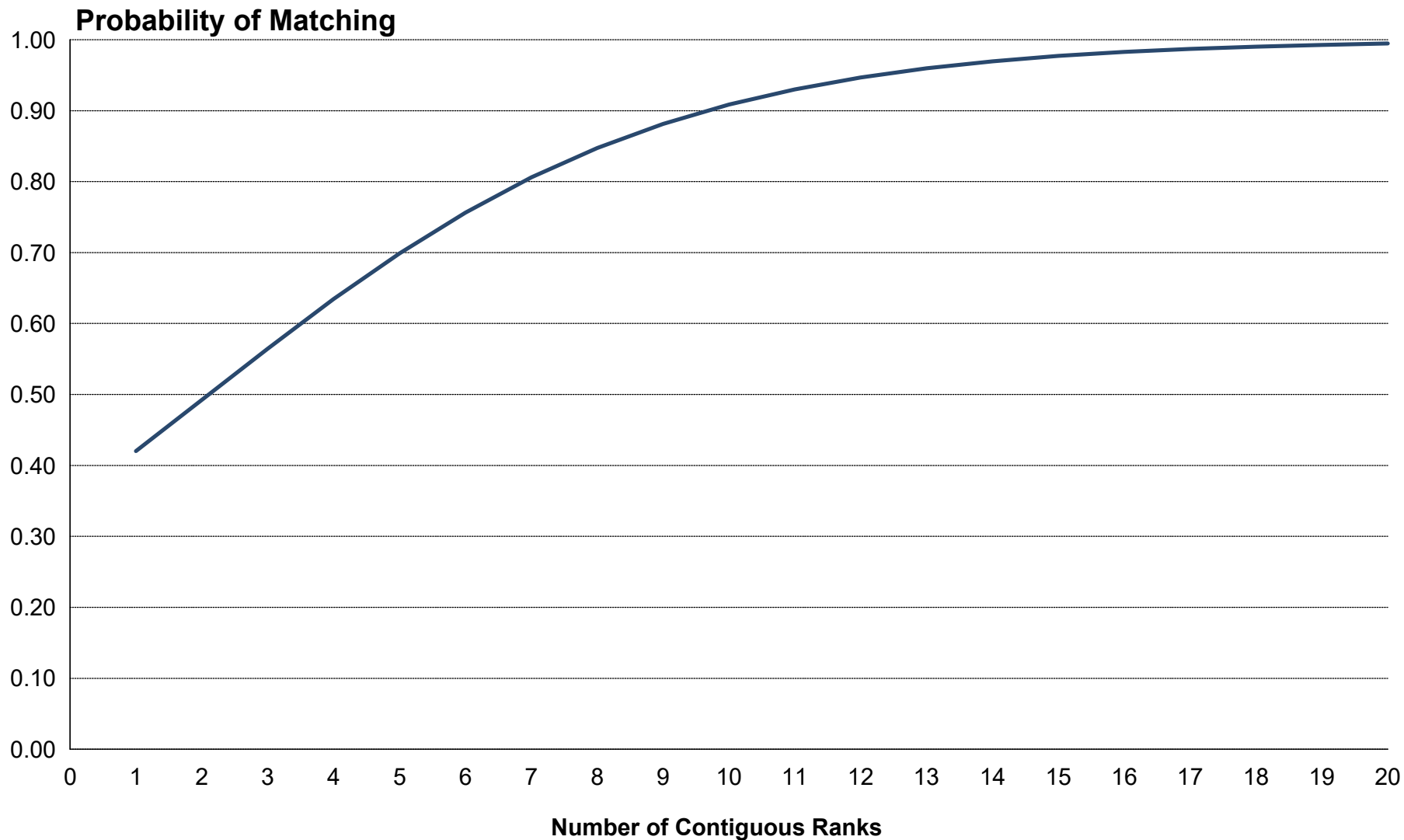
**Number of Contiguous Ranks of U.S. DO Seniors  
Psychiatry**



Source: NRMP Data Warehouse

**Graph  
P-1**

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

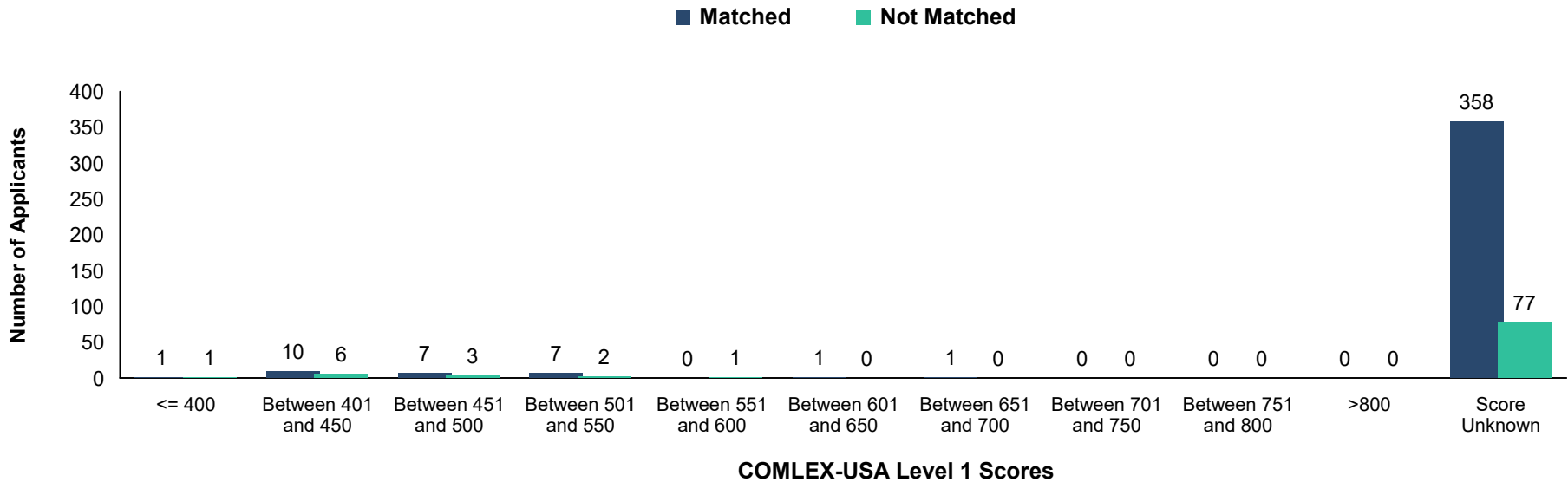


Source: NRMP Data Warehouse. Note: Probabilities calculated based on 2022-2024 applicants.



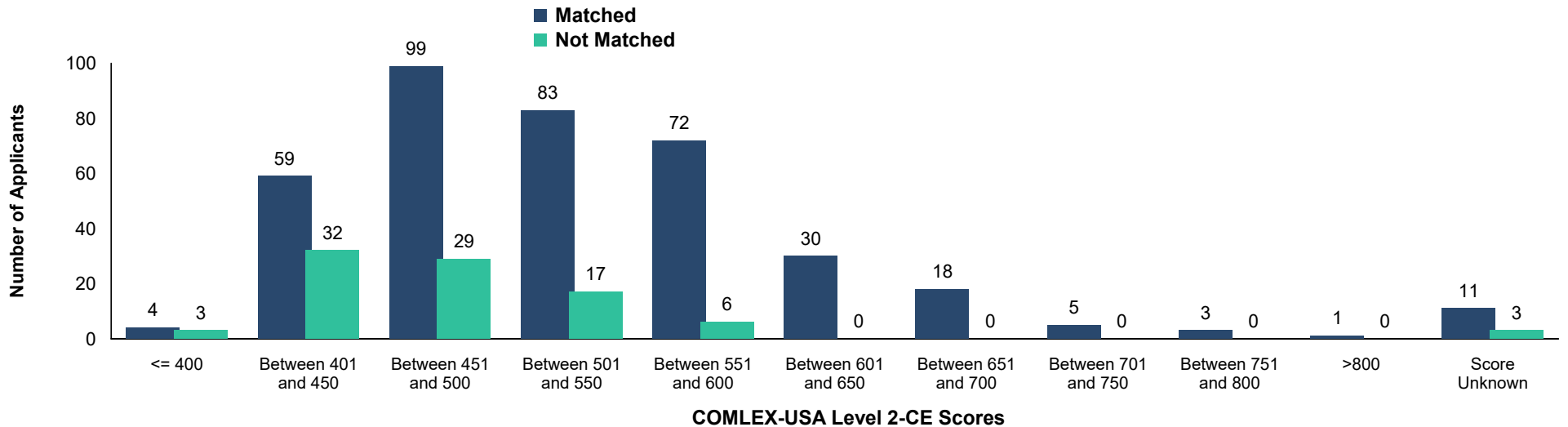
**Chart  
P-3**

**COMLEX-USA Level 1 Scores of U.S. DO Seniors  
Psychiatry**



**Chart  
P-4**

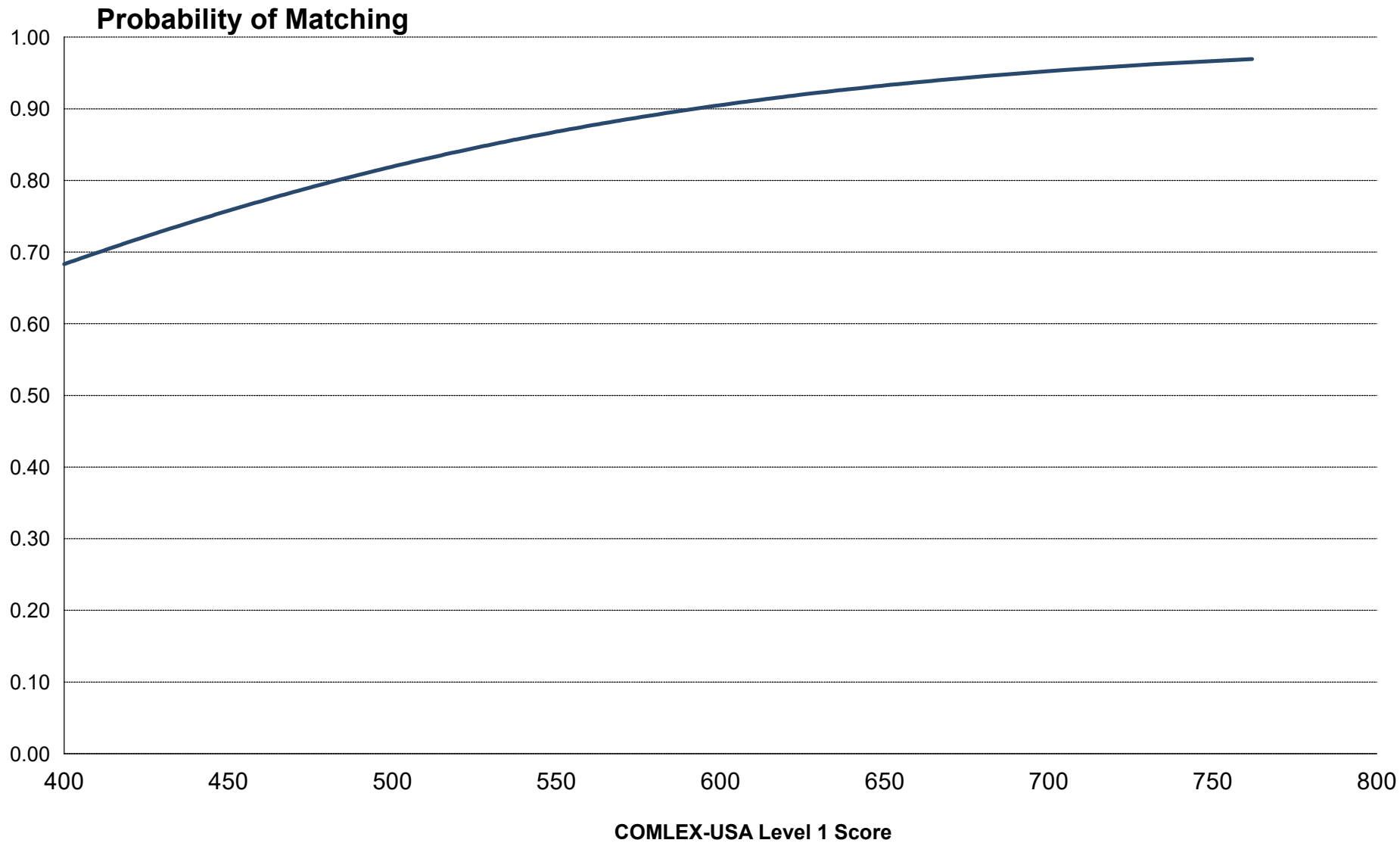
**COMLEX-USA Level 2-CE Scores of U.S. DO Seniors  
Psychiatry**



Source: NRMP Data Warehouse

**Graph  
P-2**

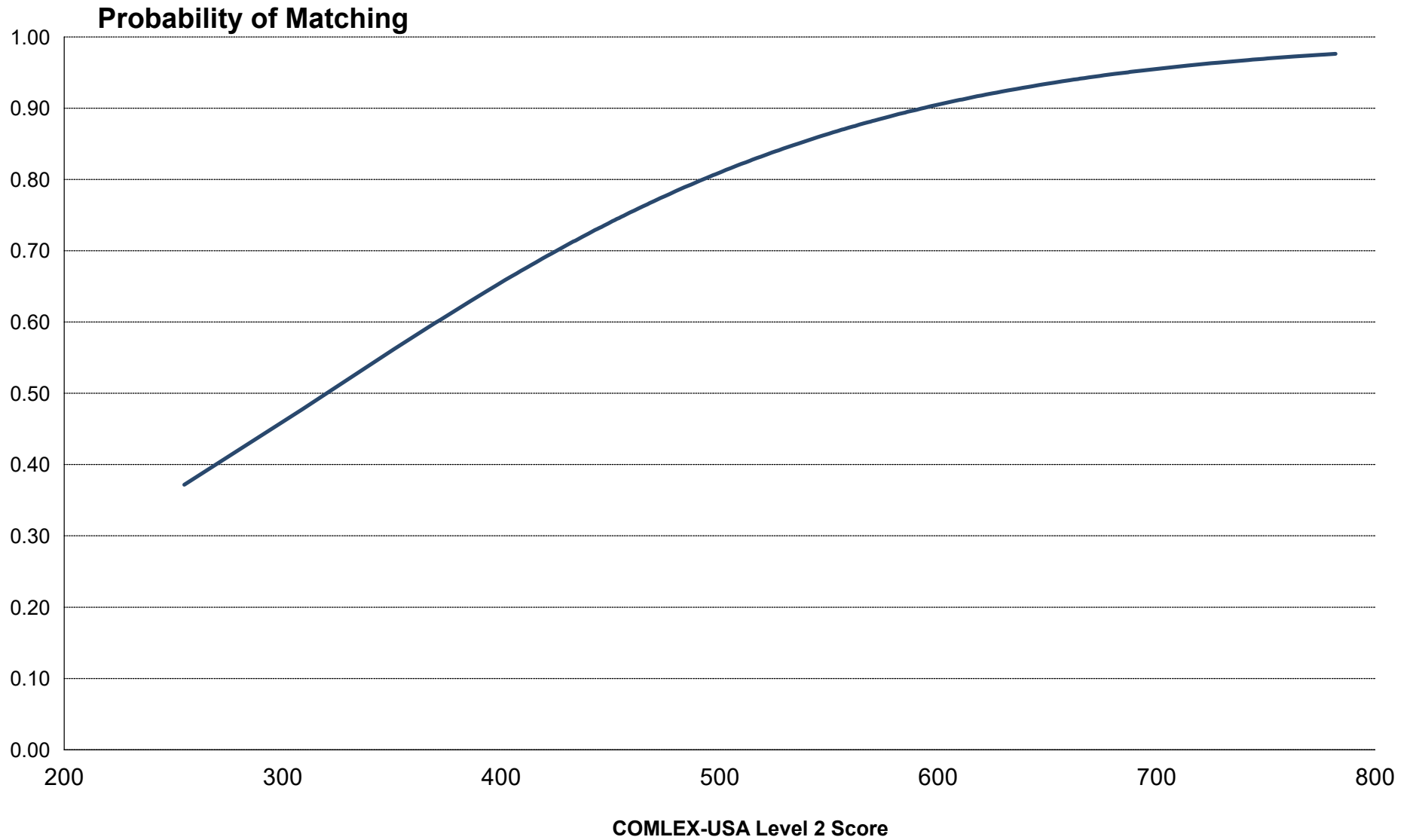
**Probability of U.S. DO Seniors Matching to Preferred Specialty by COMLEX-USA Level 1 Score**  
*Psychiatry*



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

# Probability of U.S. DO Seniors Matching to Preferred Specialty by COMLEX-USA Level 2 Score

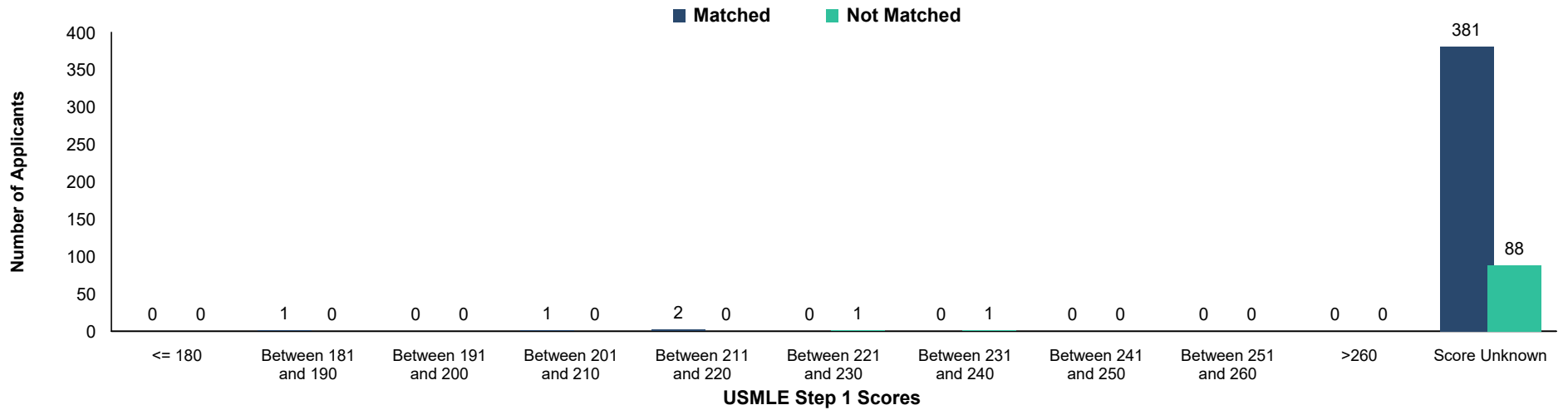
## Psychiatry



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

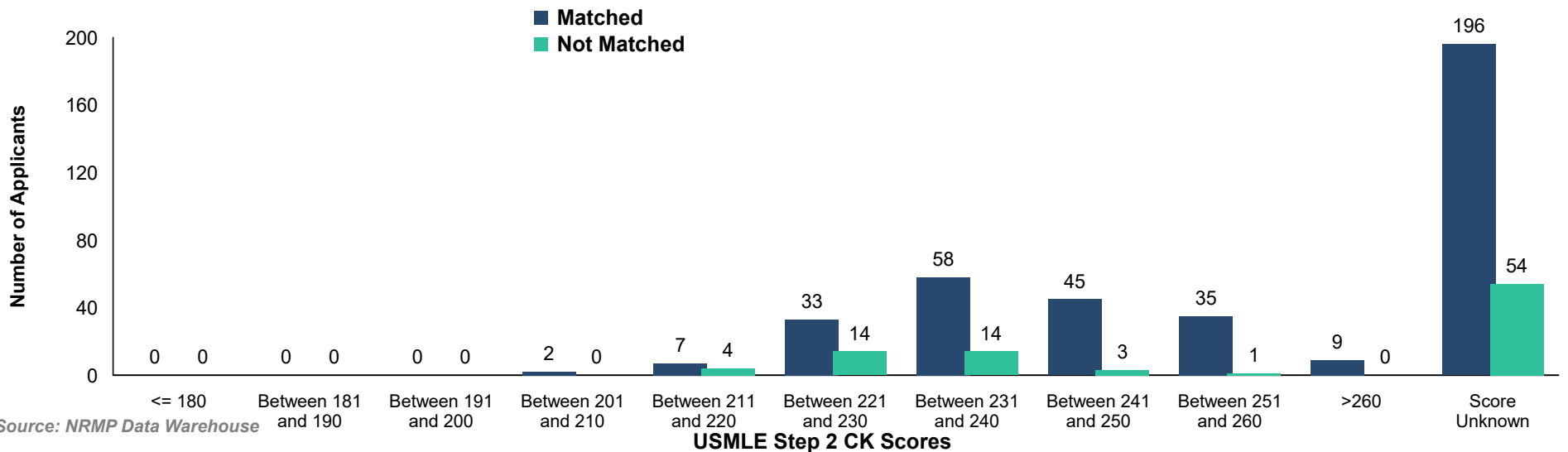
**Chart P-5**

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



**Chart P-6**

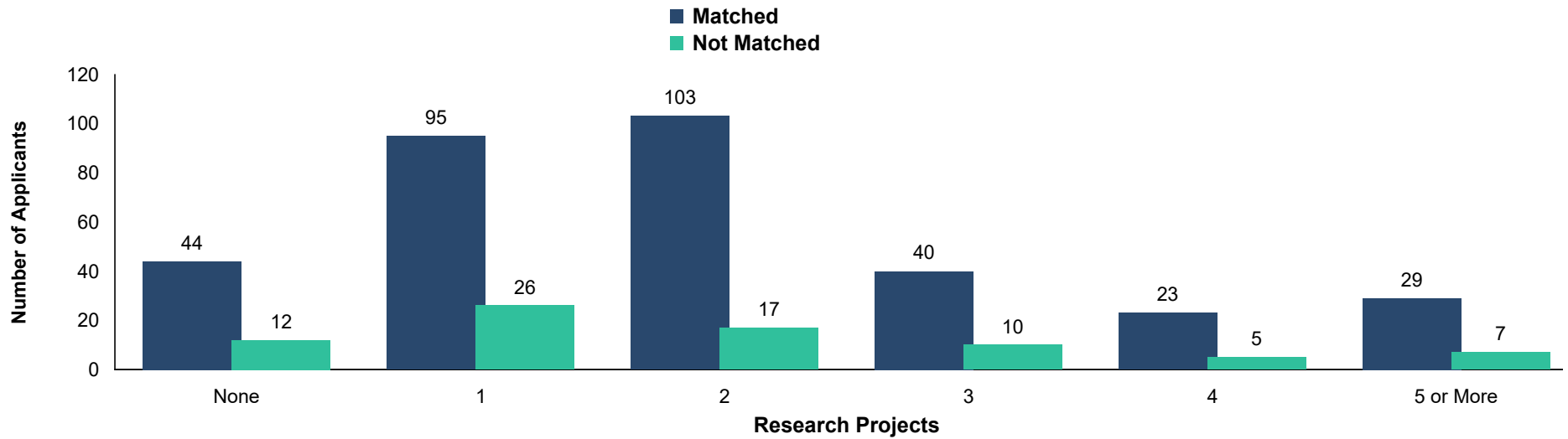
**USMLE Step 2 CK Scores of U.S. DO Seniors Psychiatry**



Source: NRMP Data Warehouse

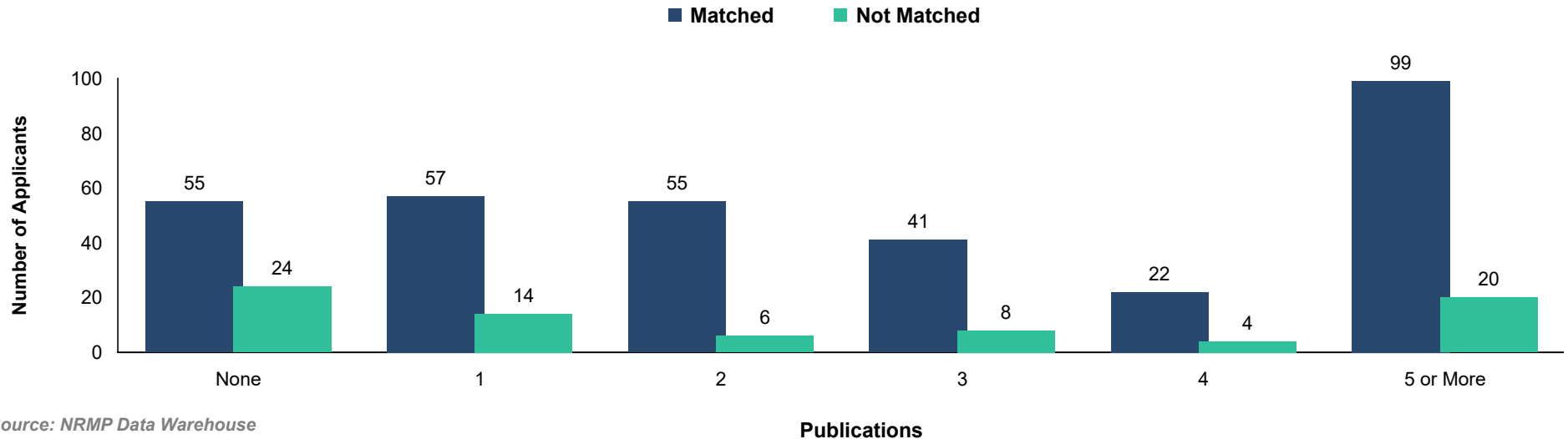
**Chart  
P-7**

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



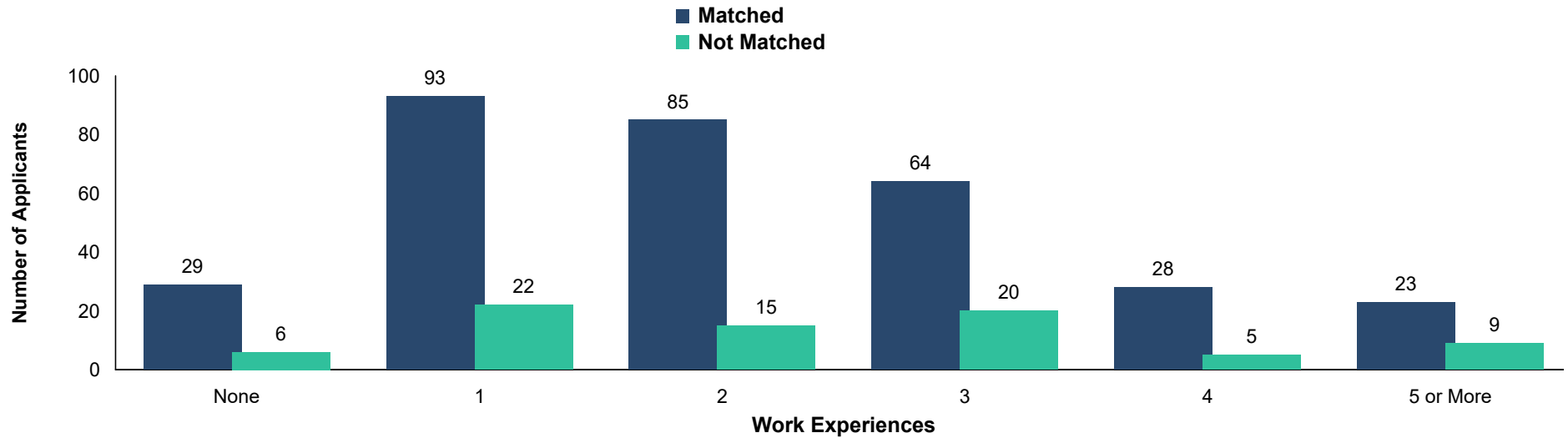
**Chart  
P-8**

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

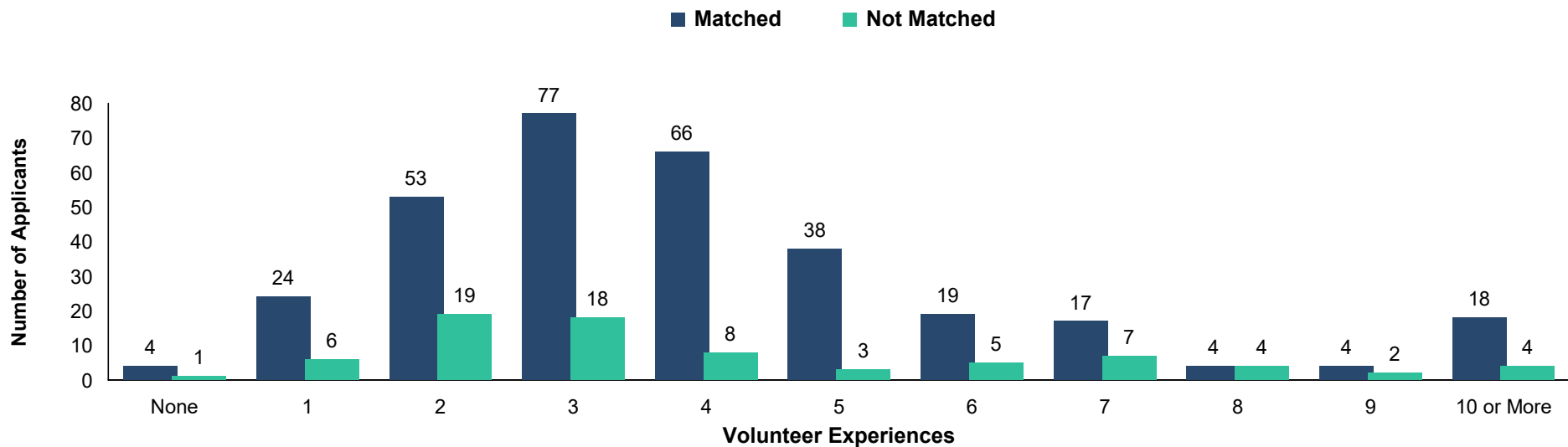


Source: NRMP Data Warehouse

**Chart P-9** Number of Work Experiences of U.S. DO Seniors  
*Psychiatry*



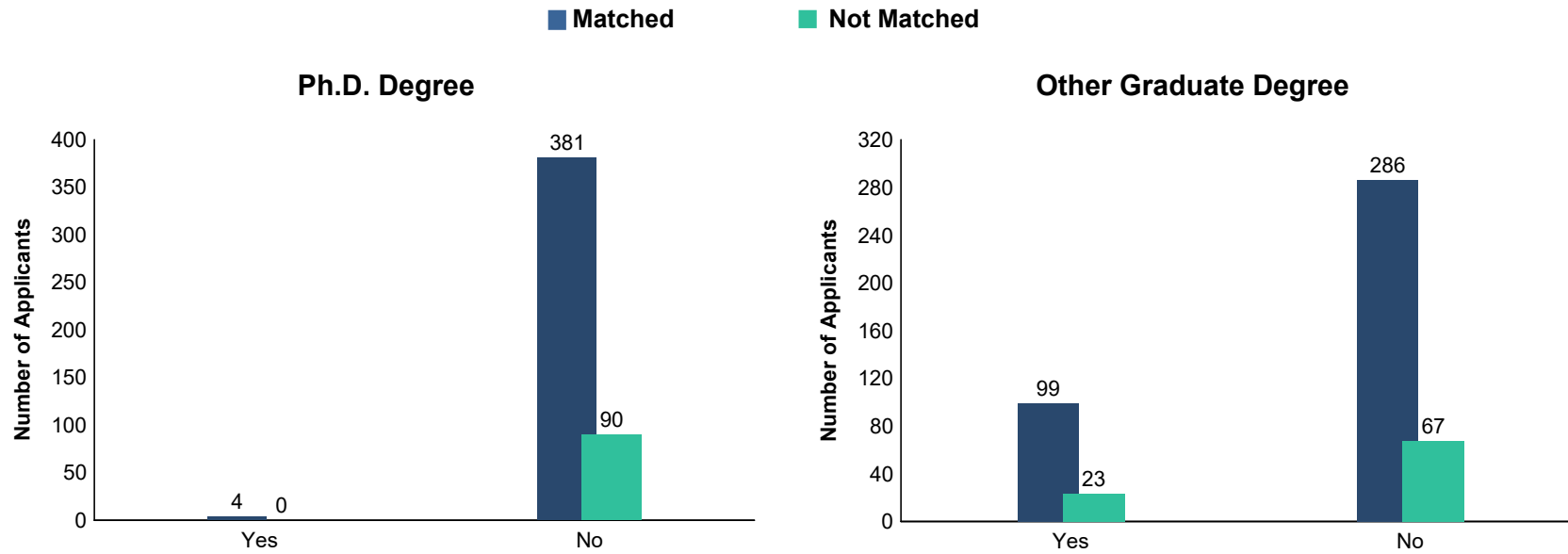
**Chart P-10** Number of Volunteer Experiences of U.S. DO Seniors  
*Psychiatry*



Source: NRMP Data Warehouse

**Chart  
P-11**

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



Source: NRMP Data Warehouse.

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**VS** **Vascular Surgery**



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

| Measure                                                      | Matched<br>(n=5) | Unmatched<br>(n=1) |
|--------------------------------------------------------------|------------------|--------------------|
| 1. Mean number of contiguous ranks                           | 5.0              | 4.0                |
| 2. Mean number of distinct specialties ranked                | 2.0              | 1.0                |
| 3. Mean COMLEX-USA Level 1 score*                            |                  |                    |
| 4. Mean COMLEX-USA Level 2-CE score                          | 623              | 405                |
| 5. Mean USMLE Step 1 score*                                  |                  |                    |
| 6. Mean USMLE Step 2 CK score                                | 247              |                    |
| 7. Mean number of research experiences                       | 2.8              | 6.0                |
| 8. Mean number of abstracts, presentations, and publications | 9.0              |                    |
| 9. Mean number of work experiences                           | 1.5              | 3.0                |
| 10. Mean number of volunteer experiences                     | 3.3              | 10.0               |
| 11. Percentage who have a Ph.D. degree                       | 0.0              | 0.0                |
| 12. Percentage who have another graduate degree              | 60.0             | 100.0              |

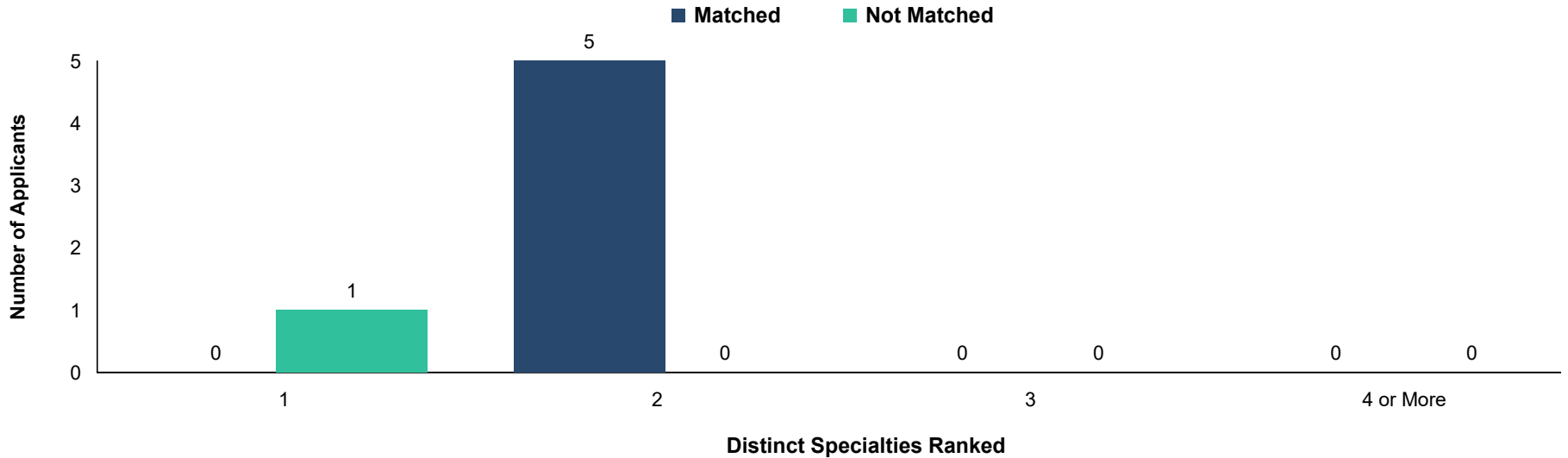
Source: NRMP Data Warehouse.

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

\*Only applicants who indicated completion of the COMLEX Level 1 or USMLE Step 1 exams prior to the transition to pass/fail (i.e., prior to May 10, 2022 for Level 1, January 26, 2022 for Step 1) had the option to self-report their numeric scores. In 2024, only 340 U.S. DO seniors self-reported Level 1 numeric scores, while only 123 reported Step 1 numeric scores.

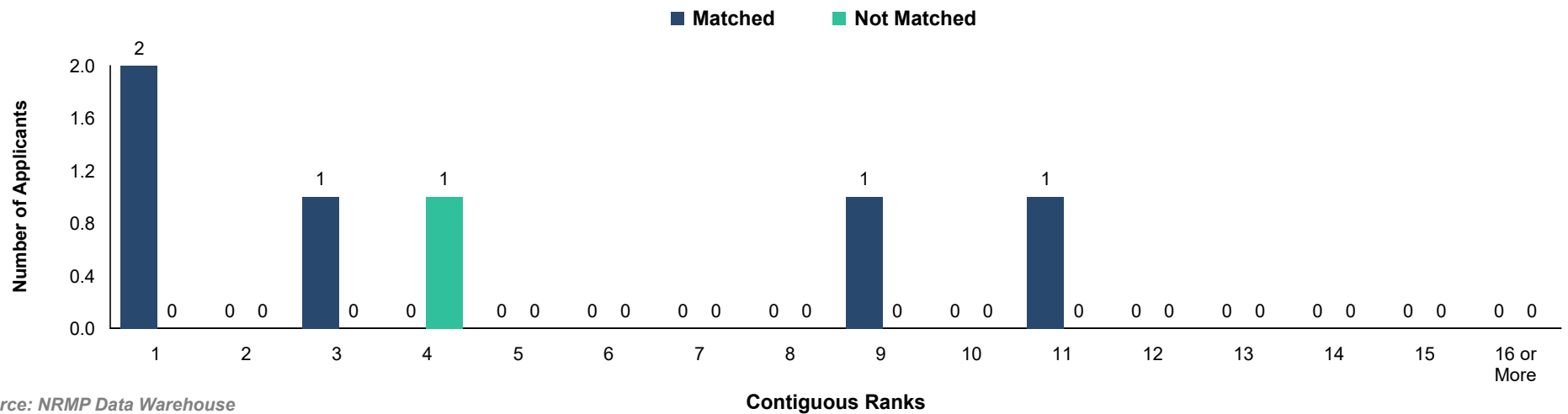
**Chart  
VS-1**

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



**Chart  
VS-2**

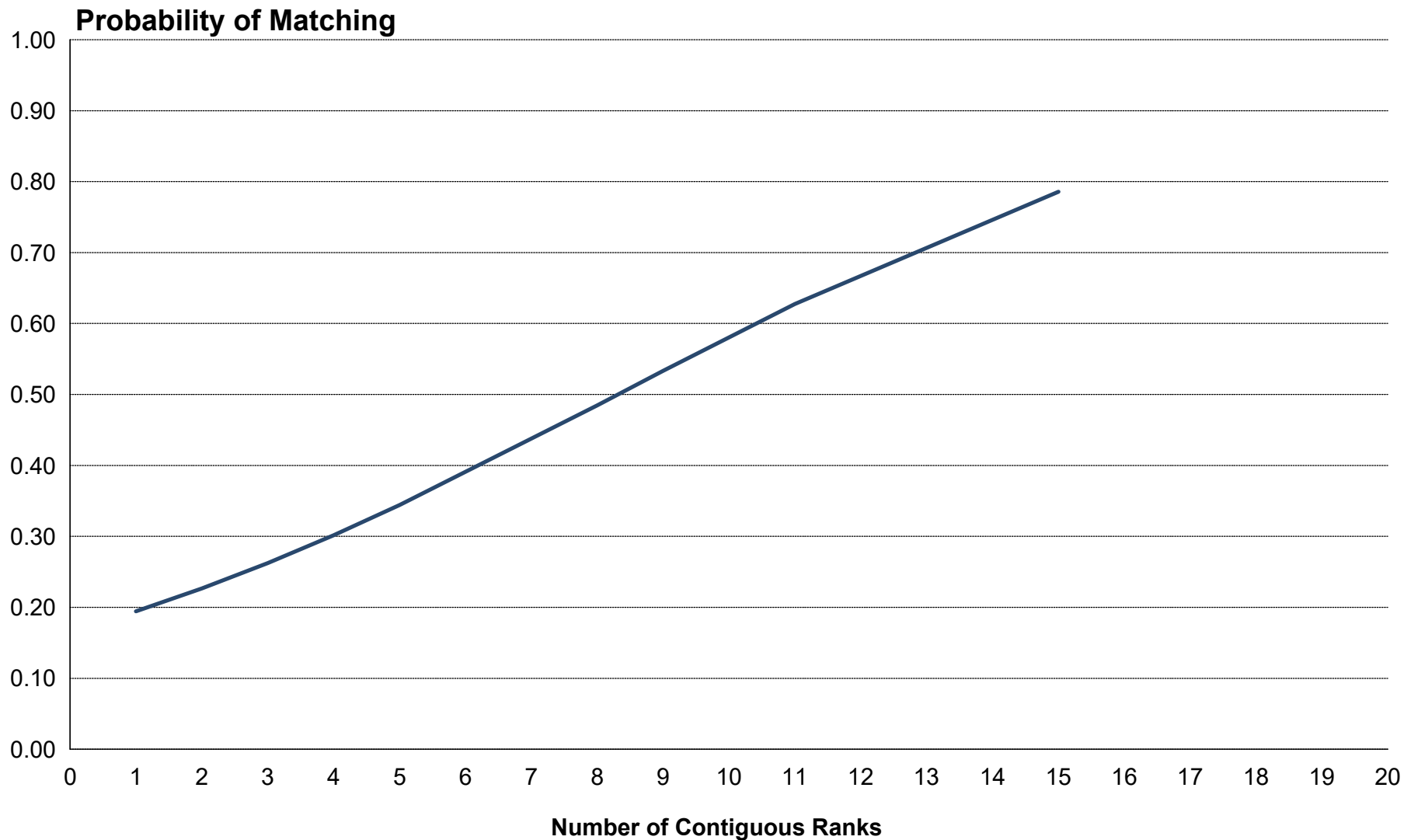
**Number of Contiguous Ranks of U.S. DO Seniors  
Vascular Surgery**



Source: NRMP Data Warehouse

**Graph  
VS-1**

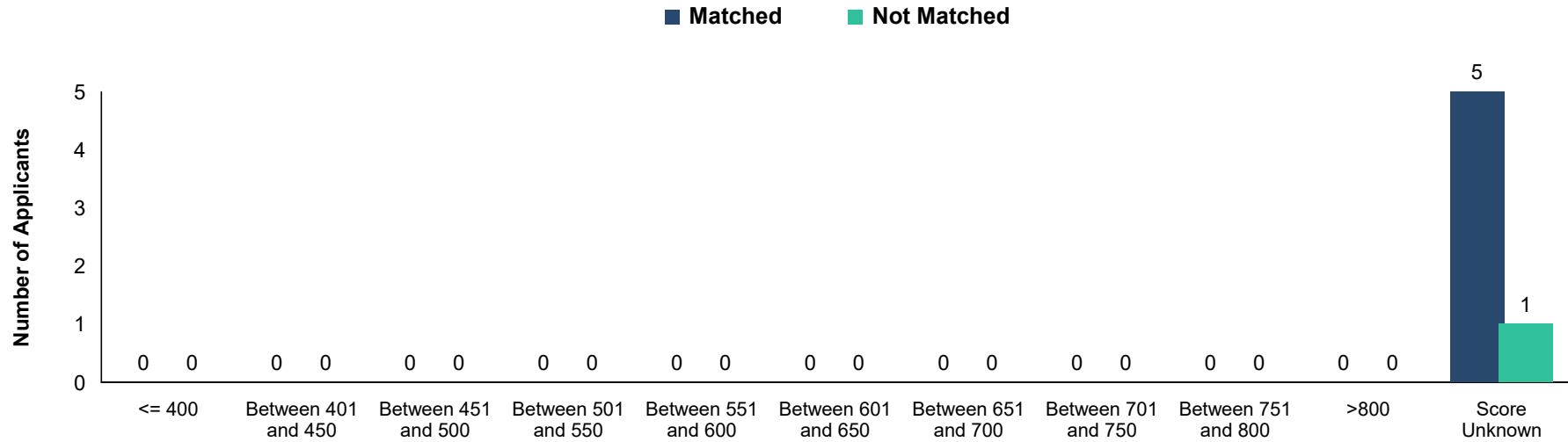
**Probability of U.S. DO Seniors Matching to Preferred Specialty by Number of Contiguous Ranks**  
*Vascular Surgery*



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

**Chart  
VS-3**

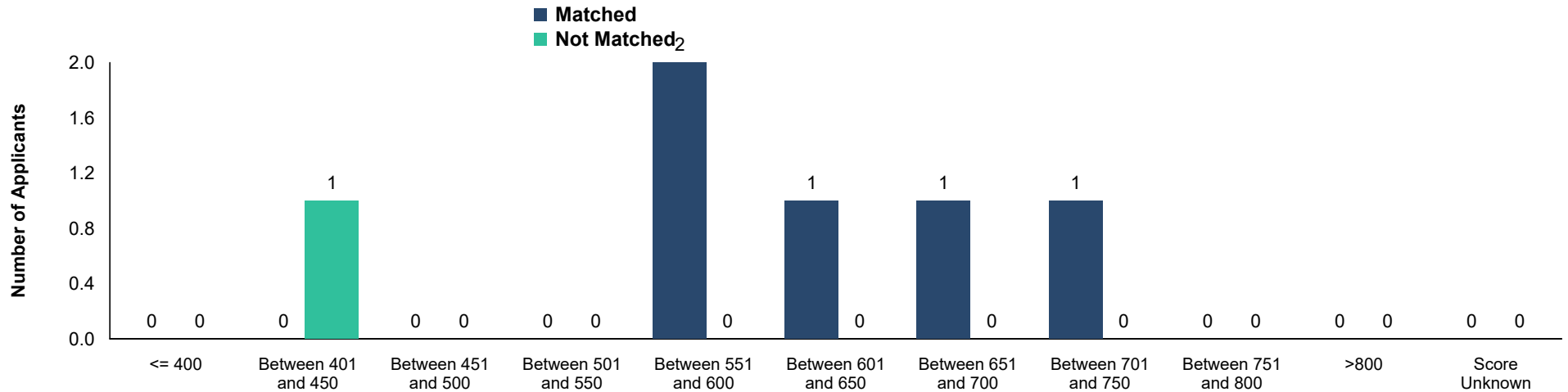
**COMLEX-USA Level 1 Scores of U.S. DO Seniors  
Vascular Surgery**



COMLEX-USA Level 1 Scores

**Chart  
VS-4**

**COMLEX-USA Level 2-CE Scores of U.S. DO Seniors  
Vascular Surgery**

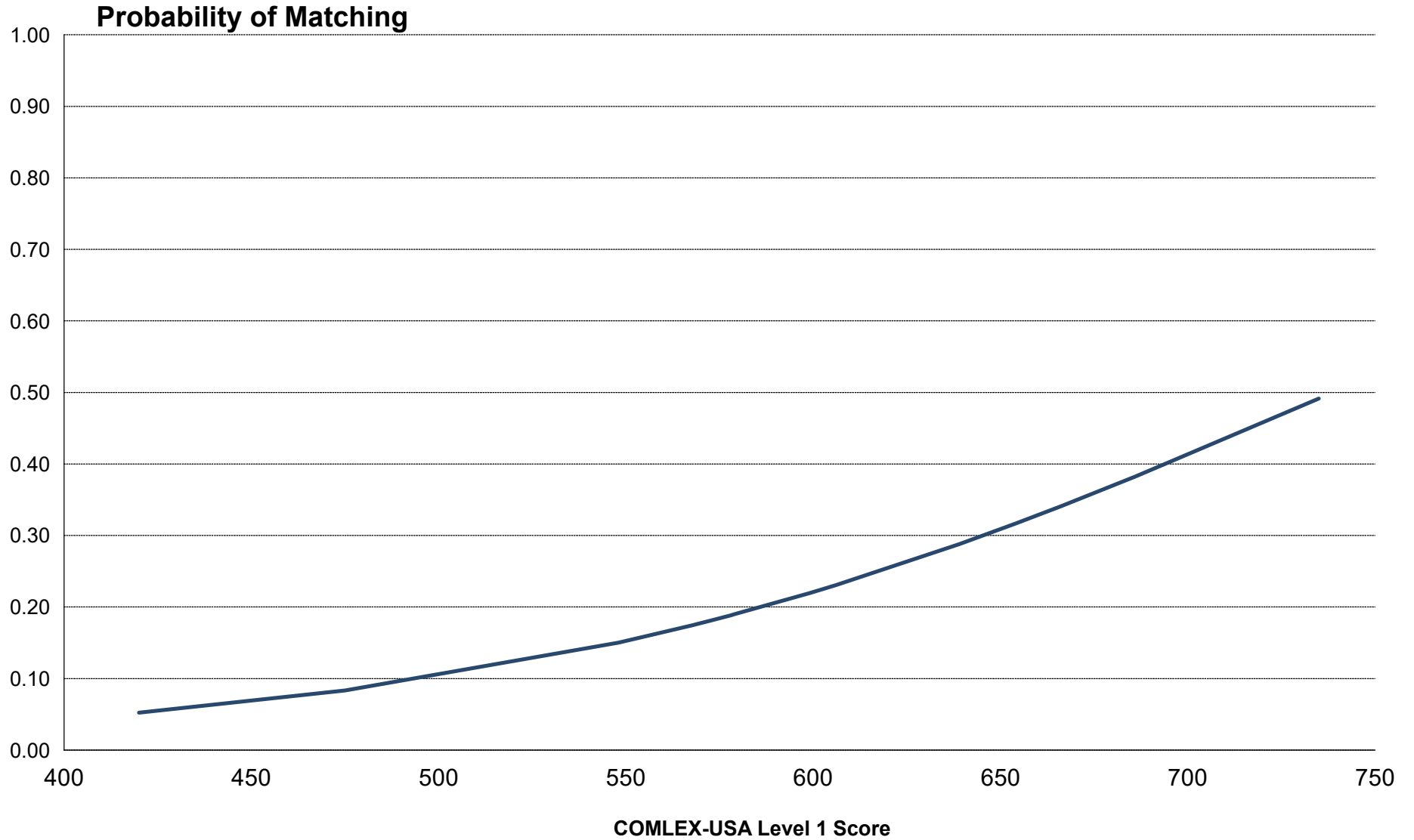


COMLEX-USA Level 2-CE Scores

Source: NRMP Data Warehouse

**Graph  
VS-2**

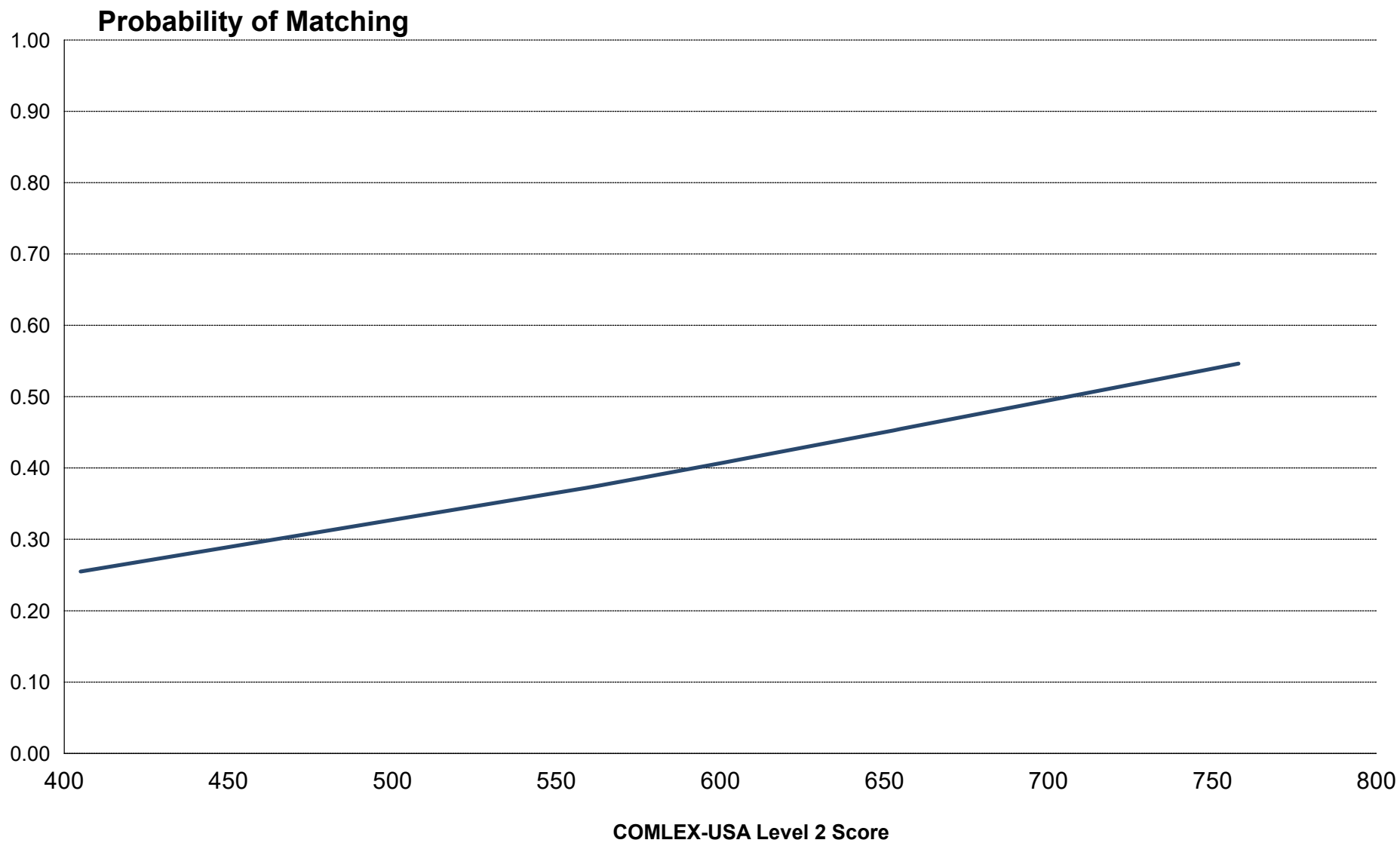
**Probability of U.S. DO Seniors Matching to Preferred Specialty by COMLEX-USA Level 1 Score**  
*Vascular Surgery*



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

**Graph  
VS-3**

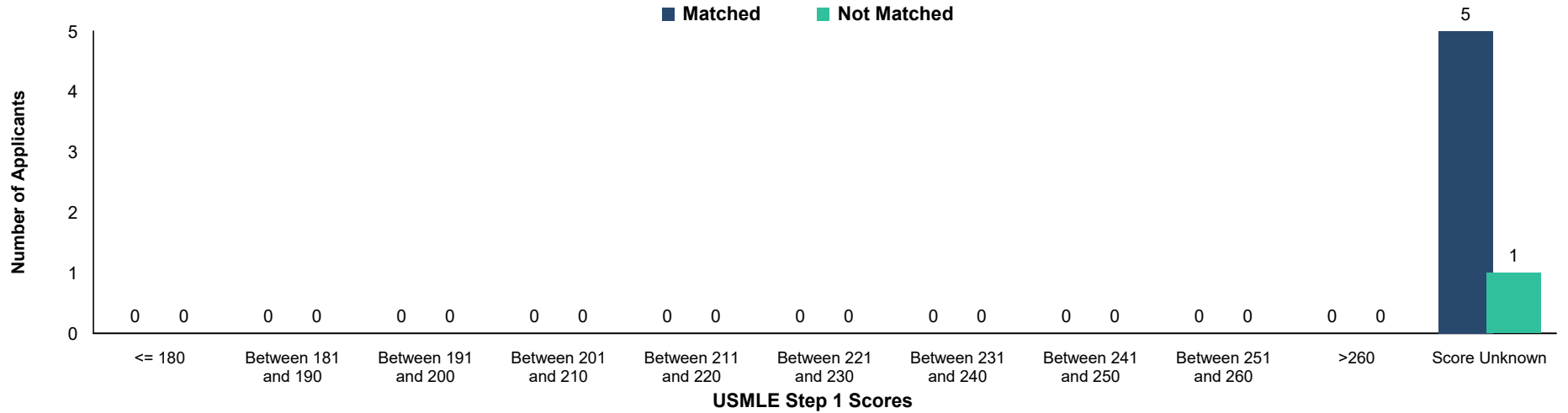
**Probability of U.S. DO Seniors Matching to Preferred Specialty by COMLEX-USA Level 2 Score**  
*Vascular Surgery*



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

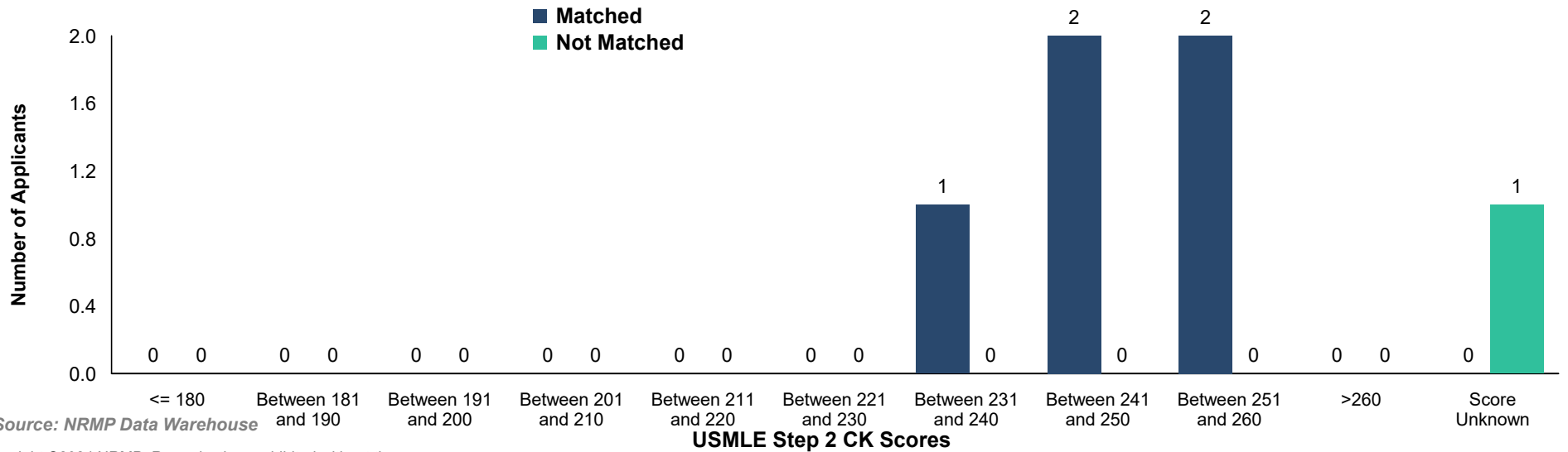
**Chart  
VS-5**

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



**Chart  
VS-6**

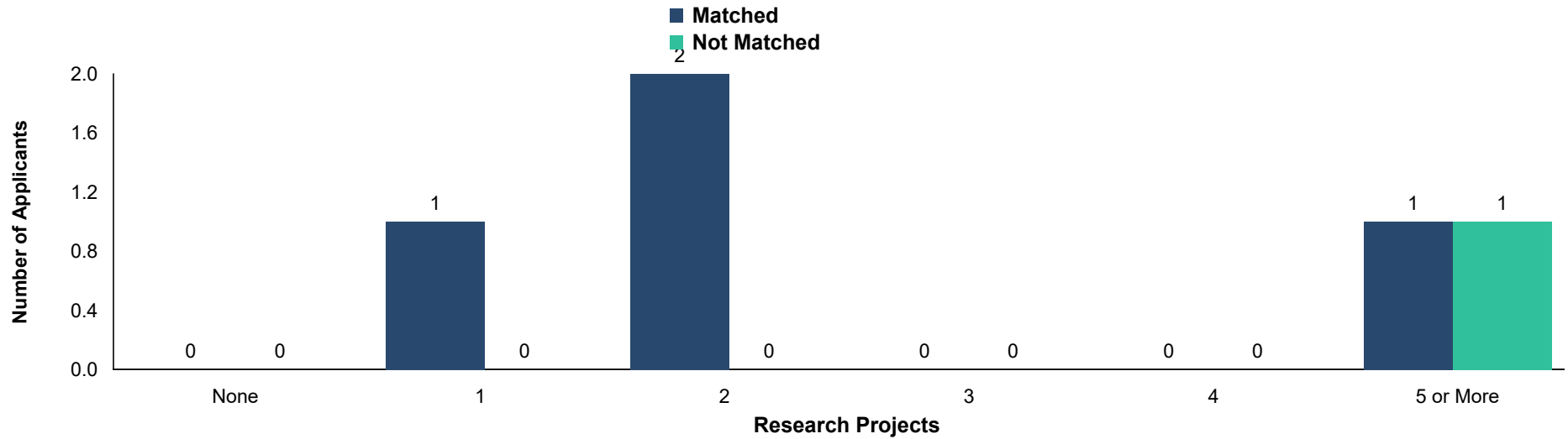
**USMLE Step 2 CK Scores of U.S. DO Seniors  
Vascular Surgery**



Source: NRMP Data Warehouse

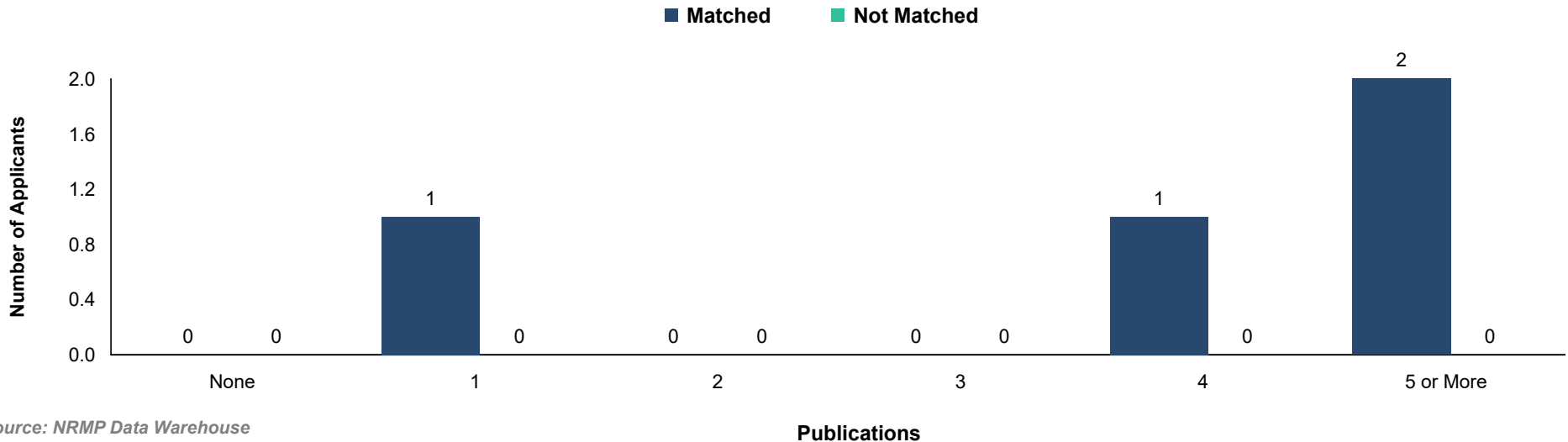
**Chart  
VS-7**

**Number of Research Projects of U.S. DO Seniors  
Vascular Surgery**



**Chart  
VS-8**

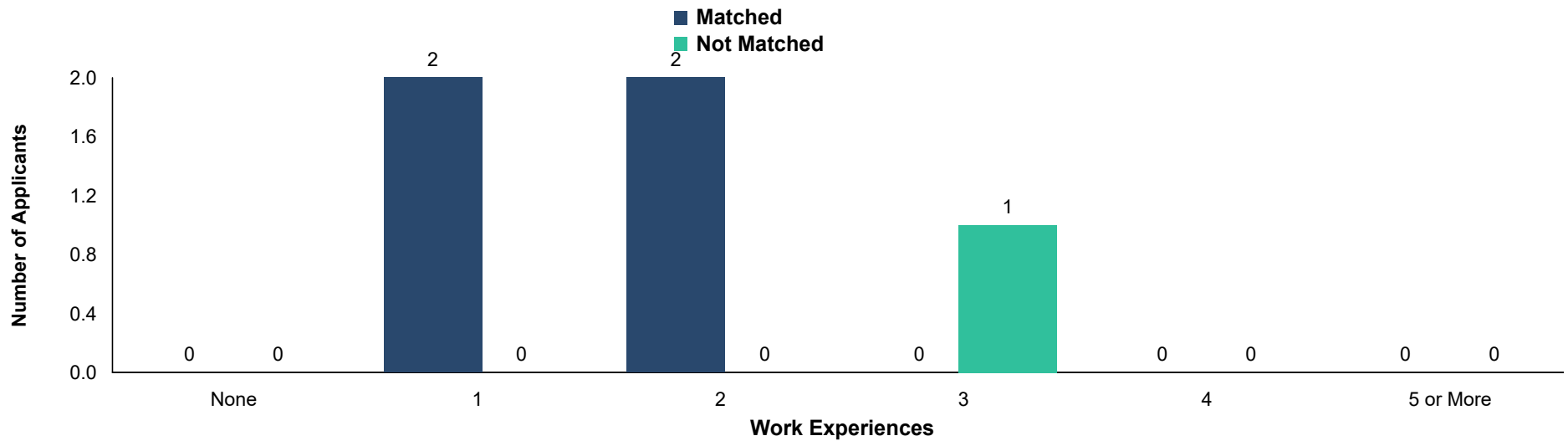
**Number of Abstracts, Presentations, and Publications of U.S. DO Seniors  
Vascular Surgery**



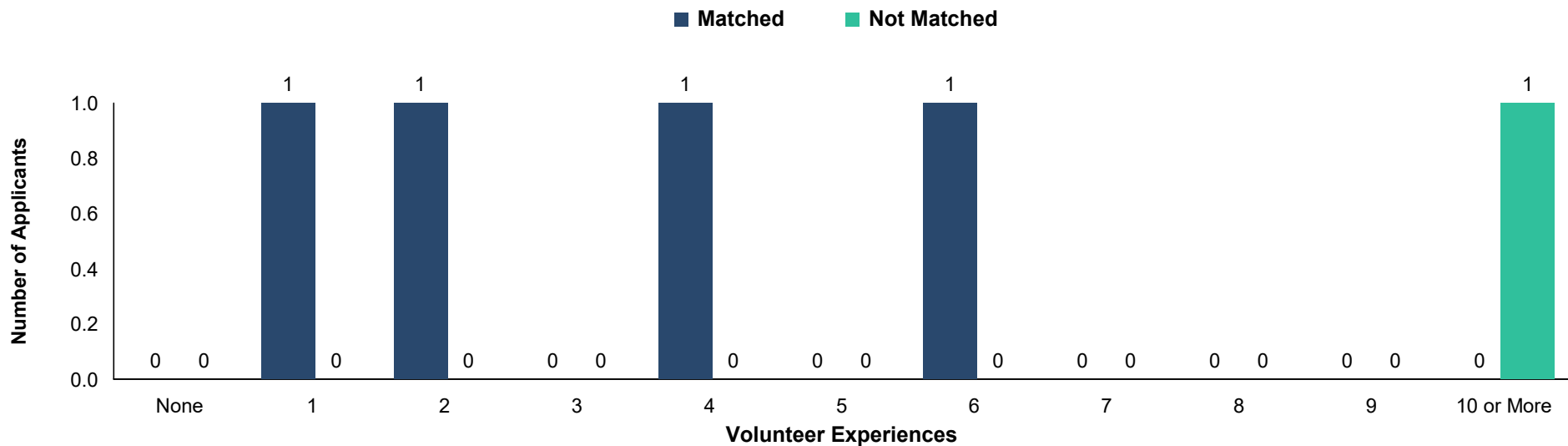
Source: NRMP Data Warehouse



**Chart VS-9** Number of Work Experiences of U.S. DO Seniors  
*Vascular Surgery*



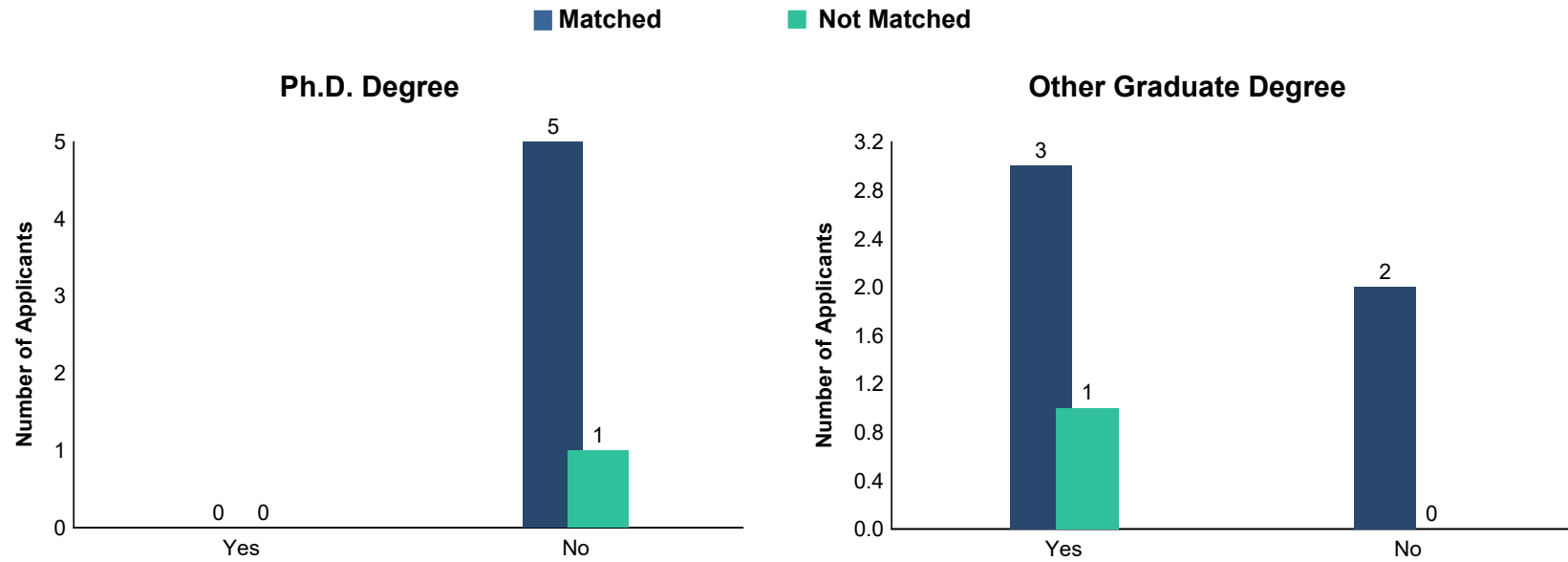
**Chart VS-10** Number of Volunteer Experiences of U.S. DO Seniors  
*Vascular Surgery*



Source: NRMP Data Warehouse

**Chart  
VS-11**

**Other Characteristics of U.S. DO Seniors  
Vascular Surgery**



Source: NRMP Data Warehouse.