



# **Charting Outcomes in the Match: Senior Students of U.S. DO Medical Schools**

**Characteristics of Senior Students of U.S. DO Medical Schools  
Who Matched to Their Preferred Specialty in the 2022 Main  
Residency Match**

**3rd Edition**

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National Resident Matching Program  
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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. 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 2022 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 third 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, publications, research, and work and volunteer experiences, were self-reported through the Academic Information section of the NRMP's Applicant Registration Form for the Match. To complete the form, applicants were asked to answer the questions as they did in their ERAS Common Application Form (CAF). Completion of the form was optional, and applicants who completed the form could consent or decline to participate in NRMP research. Data collection for the self-reported Professional Profile section was granted exemption by the Advarra Institutional Review Board (IRB).

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 2022, the majority of the COMLEX-USA Level 1 (79.4%) and Level 2-CE (79.4%) scores and USMLE Step 1 (77.8%) and Step 2 (79.0%) scores used in this report were verified, corrected, or supplied by U.S. DO medical schools. Because the self-reported scores are highly accurate, both verified and unverified scores were used to prepare this report: The intracorrelation coefficient (ICC) between the self-reported scores and school-verified scores was 0.993 (99% CI [0.992, 0.993]) for COMLEX-USA Level 1 scores, 0.994 (99% CI [0.994, 0.995]) for Level 2-CE scores, 0.999 (99% CI [0.999, 0.999]) for USMLE Step 1 scores, and 0.925 (99% CI [0.918, 0.932]) for Step 2 scores.

A total of 7,303 senior students of U.S. DO medical schools submitted certified rank order lists in the 2022 Main Residency Match. After excluding the 1.8 percent who did not give consent to participate in NRMP research, 5,948 U.S. DO senior applicants were included in the final dataset. Missing data were found in the number of COMLEX-USA Level 1 scores (1.2% missing), Level 2-CE scores (2.6%), USMLE Step 1 scores (31.9%), Step 2 scores (41.0%), research experiences (12.0%), number of abstracts, presentations, and publications (12.7%), number of work experiences (11.4%), number of volunteer experiences (11.5%), Ph.D. degree (6.1%), and other graduate degree (5.6%).

**Methods**

Specialties that offered 50 or more positions and had at least 7 matched or unmatched U.S. DO seniors preferring the specialty in the 2022 Main Residency Match are included in this report. Although Radiation Oncology and Plastic Surgery offered more than 50 positions, it is excluded from this report because the numbers of both matched and unmatched U.S. DO seniors were fewer than 7. Transitional Year programs were excluded because they are not viewed as a preferred specialty choice.

Twelve measures are incorporated in this report: number of contiguous ranks in the preferred specialty, number of specialties ranked, COMLEX-USA Level 1 and Level 2 CE scores, USMLE Step 1 and Step 2 CK scores, numbers of research, work, and volunteer experiences, number of abstracts, presentations, and publications, and Ph.D. and other graduate degrees. The probability of matching to a preferred specialty is calculated from single-predictor logistic regression models based on COMLEX-USA Level 1 scores and contiguous ranks. 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 2020, 2021, and 2022.

*This report examines whether a match was made to the specialty of the applicant's first-ranked program, or "preferred specialty," because that is assumed to be the specialty of choice. U.S. DO seniors who match to a specialty not ranked first on the rank order list or who do not match are not included in analyses. No distinction was made based on whether applicants matched to the first, second, third, or lower choice program.*

**Summary**

Some general observations apply to all specialties in this report. U.S. DO seniors who 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 1 and Step 2 CK scores

It is important to note that other factors also likely contribute to matching to a preferred specialty. As examples, the data sources used for *Charting Outcomes in the Match* do not include 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 one should give to an applicant:

- 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 to your preferred specialty.

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

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## Tables and Charts for All Specialties

**Chart  
1**

**Active Applicants in the 2022 Main Residency Match  
by Applicant Type**

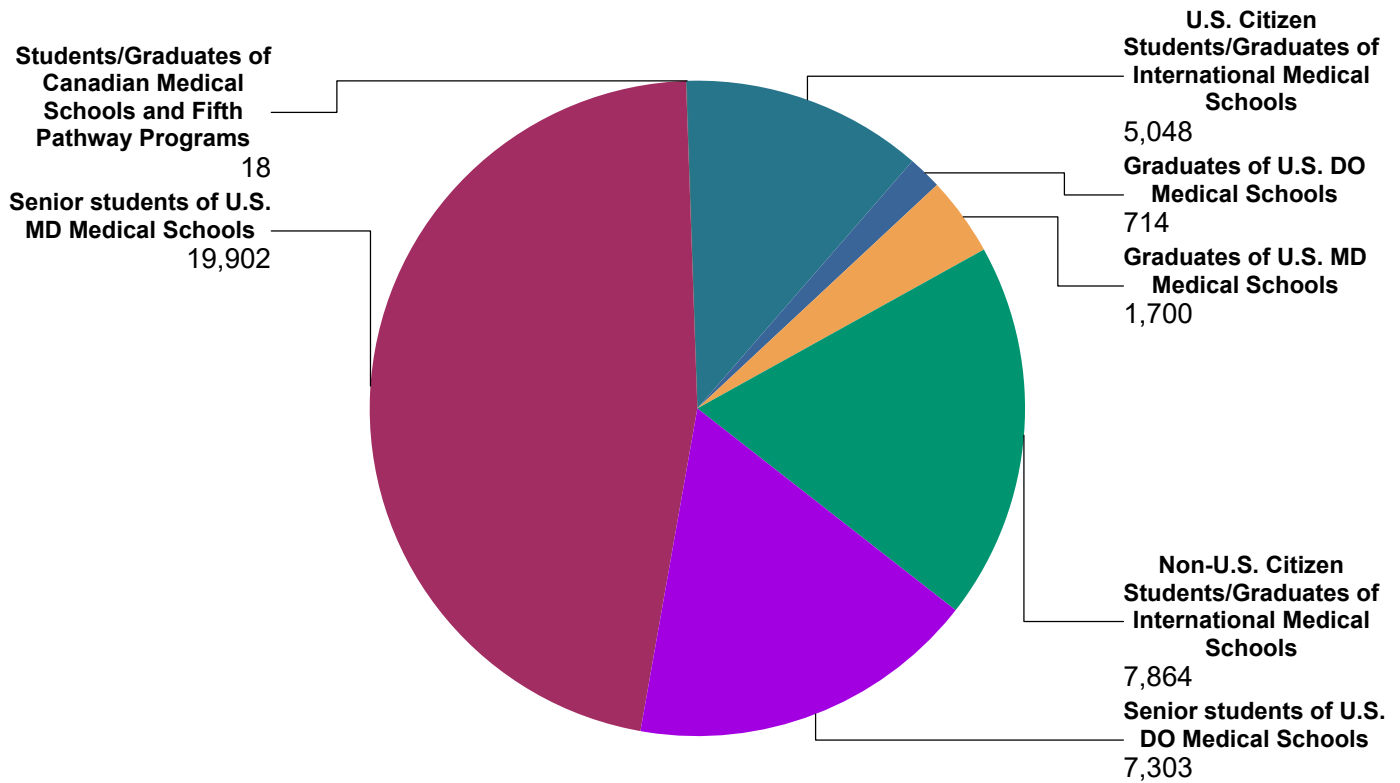


Chart 1 shows the number of active applicants (applicants who submitted rank order lists of programs) by applicant type in the Main Residency Match. A total of 40,084 active applicants participated in the 2020 Main Residency Match including 6,581 U.S. DO senior students and 573 graduates of U.S. DO medical schools. Senior students of U.S. DO medical schools constituted 16.4 percent of all applicants in the Match.

**Table  
1****Number of Applicants and Positions in the 2022 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	1,969	2,560	1.30	313	161	474
Child Neurology	188	182	0.97	17	2	19
Dermatology	544	834	1.53	38	38	76
Diagnostic Radiology	1,155	1,568	1.36	169	84	253
Emergency Medicine	2,921	2,813	0.96	736	38	774
Family Medicine	4,916	5,055	1.03	1,345	62	1407
General Surgery	1,622	2,400	1.48	200	125	325
Internal Medicine	9,809	11,598	1.18	1,503	93	1596
Internal Medicine/Pediatrics	392	458	1.17	37	13	50
Interventional Radiology	169	226	1.34	20	14	34
Neurological Surgery	240	379	1.58	9	12	21
Neurology	1,014	1,249	1.23	150	13	163
Obstetrics and Gynecology	1,503	2,044	1.36	241	130	371
Orthopaedic Surgery	875	1,435	1.64	111	86	197
Otolaryngology	361	556	1.54	21	14	35
Pathology	631	827	1.31	75	6	81
Pediatrics	3,016	3,153	1.05	565	20	585
Physical Medicine and Rehabilitation	532	725	1.36	176	99	275
Psychiatry	2,047	2,560	1.25	378	57	435
Vascular Surgery	84	143	1.70	1	12	13

\* 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.

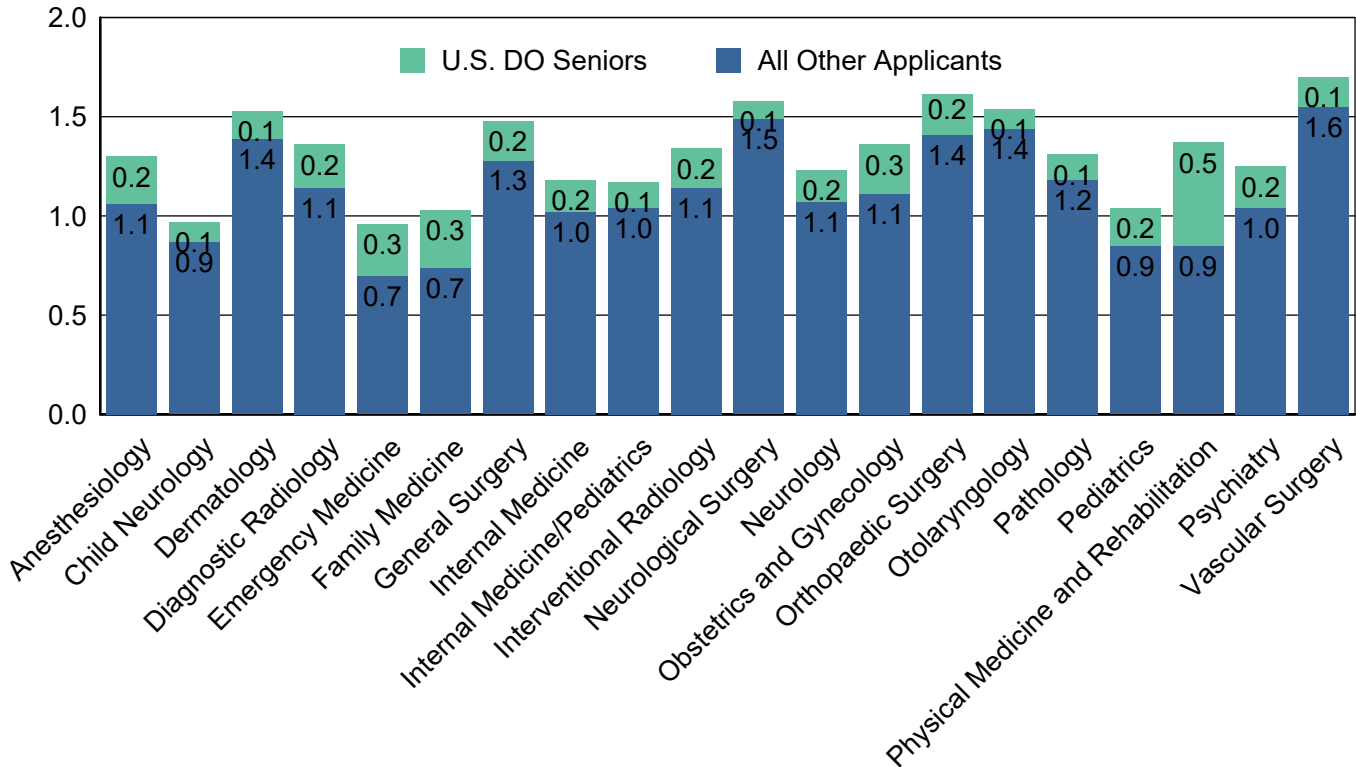
Table 1 provides a summary of the numbers of applicants and positions for specialties that offered at least 50 positions in the Match and were preferred by at least 7 U.S. DO seniors. For example, a total of 2,560 applicants preferred Anesthesiology (or ranked an Anesthesiology position first), among whom 474 were U.S. DO seniors (313 matched and 161 did not match to Anesthesiology). For each of the 1,969 Anesthesiology positions offered, there were 1.30 applicants who preferred the specialty.

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**

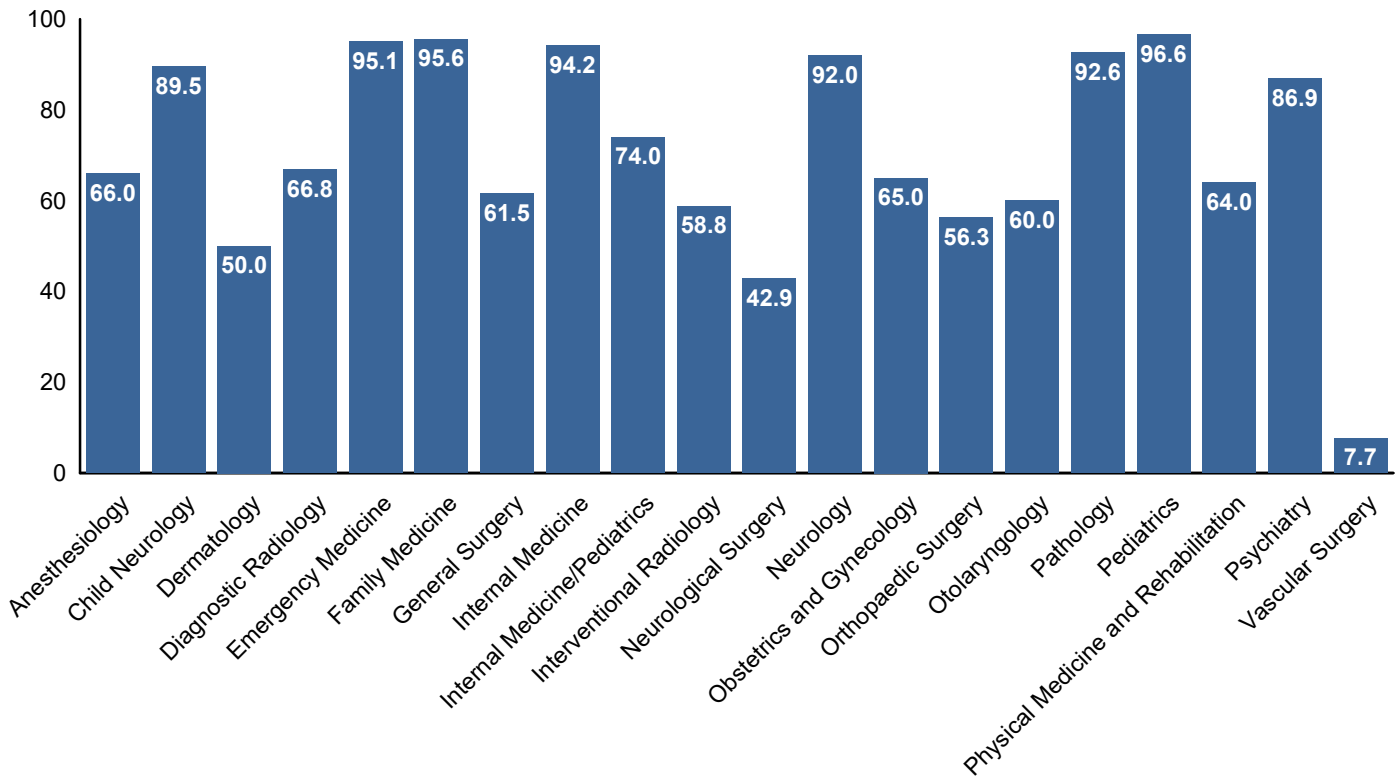


Source: NRMP Data Warehouse

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, 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, 84.9 percent of U.S. DO seniors matched to their preferred specialty, ranging from a high of 96.6 percent (Pediatrics) to a low of 7.7 percent (Vascular Surgery).

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

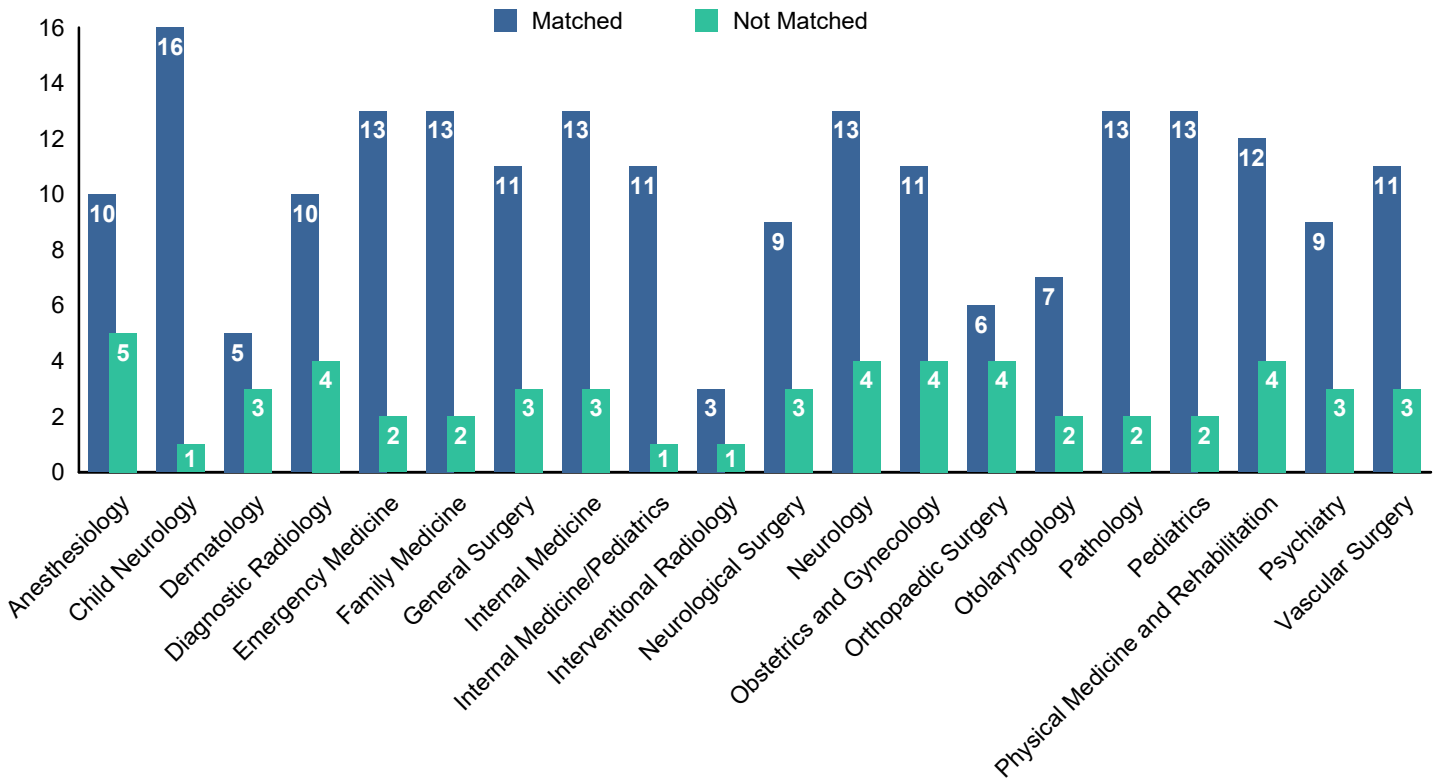
Measure	Matched (n=5,044)	Not Matched (n=878)
1. Mean number of contiguous ranks	12.4	4.5
2. Mean number of distinct specialties ranked	1.2	1.8
3. Mean COMLEX-USA Level 1 score	542.4	524
4. Mean COMLEX-USA Level 2-CE score	570.1	535.7
5. Mean USMLE Step 1 score	227	225
6. Mean USMLE Step 2 CK score	241	236
7. Mean number of research experiences	2.2	2.5
8. Mean number of abstracts, presentations, and publications	3.4	3.7
9. Mean number of work experiences	3.6	3.8
10. Mean number of volunteer experiences	7.4	6.8
11. Percentage who have a Ph.D. degree	0.4	0.1
12. Percentage who have another graduate degree	22.6	29.7

Sources: NRMP Data Warehouse

Table 2 provides summary statistics for all specialties by Match outcome on the 12 measures presented in this report. 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 use their information in research are included in this table and the rest of the report.

**Chart  
4**

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



Source: NRMP Data Warehouse

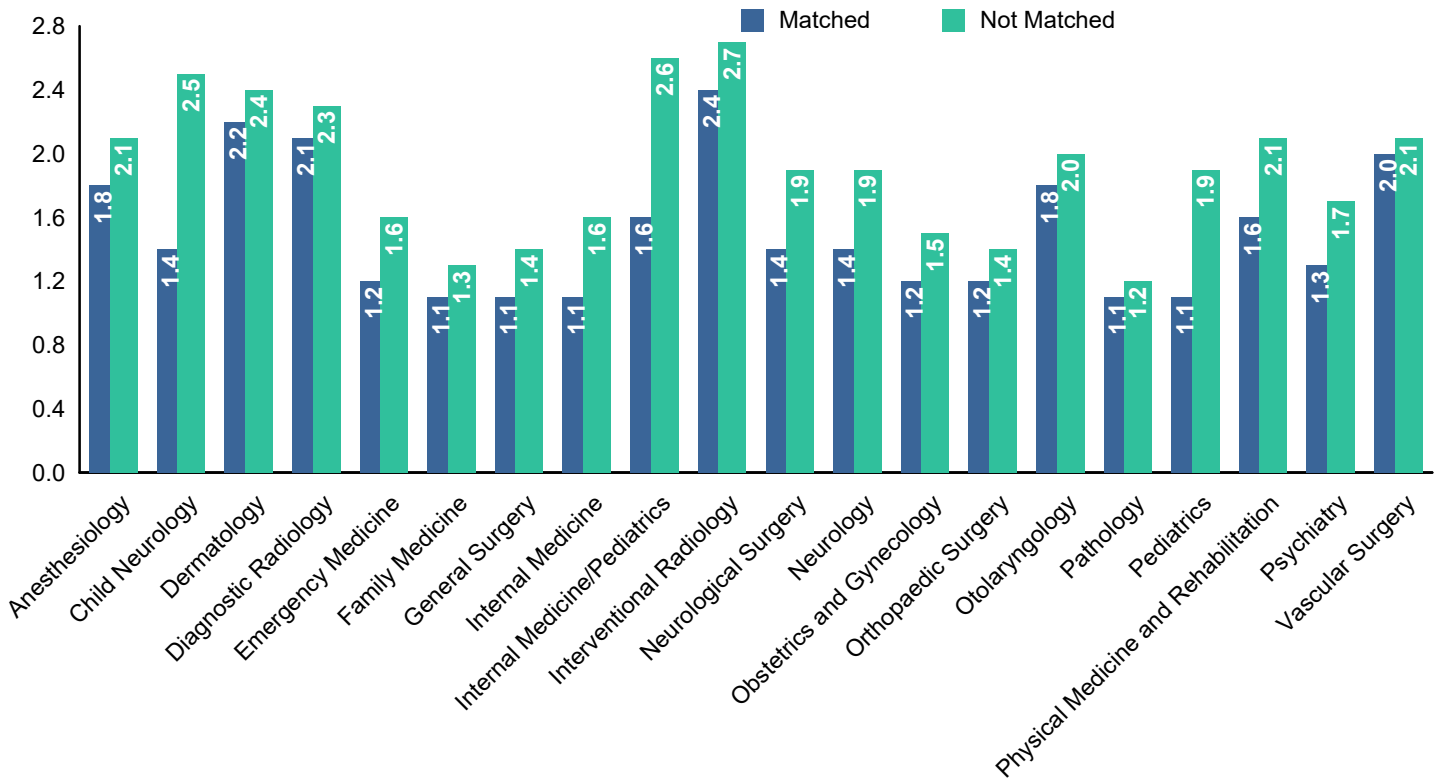
In general, applicants are more likely to be successful if they rank more programs in their desired specialty. To quantify this aspect of applicant behavior, we tallied the number of programs ranked in the first-choice specialty before a program in another specialty appeared on the applicant's rank order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

The principal message of this chart 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**

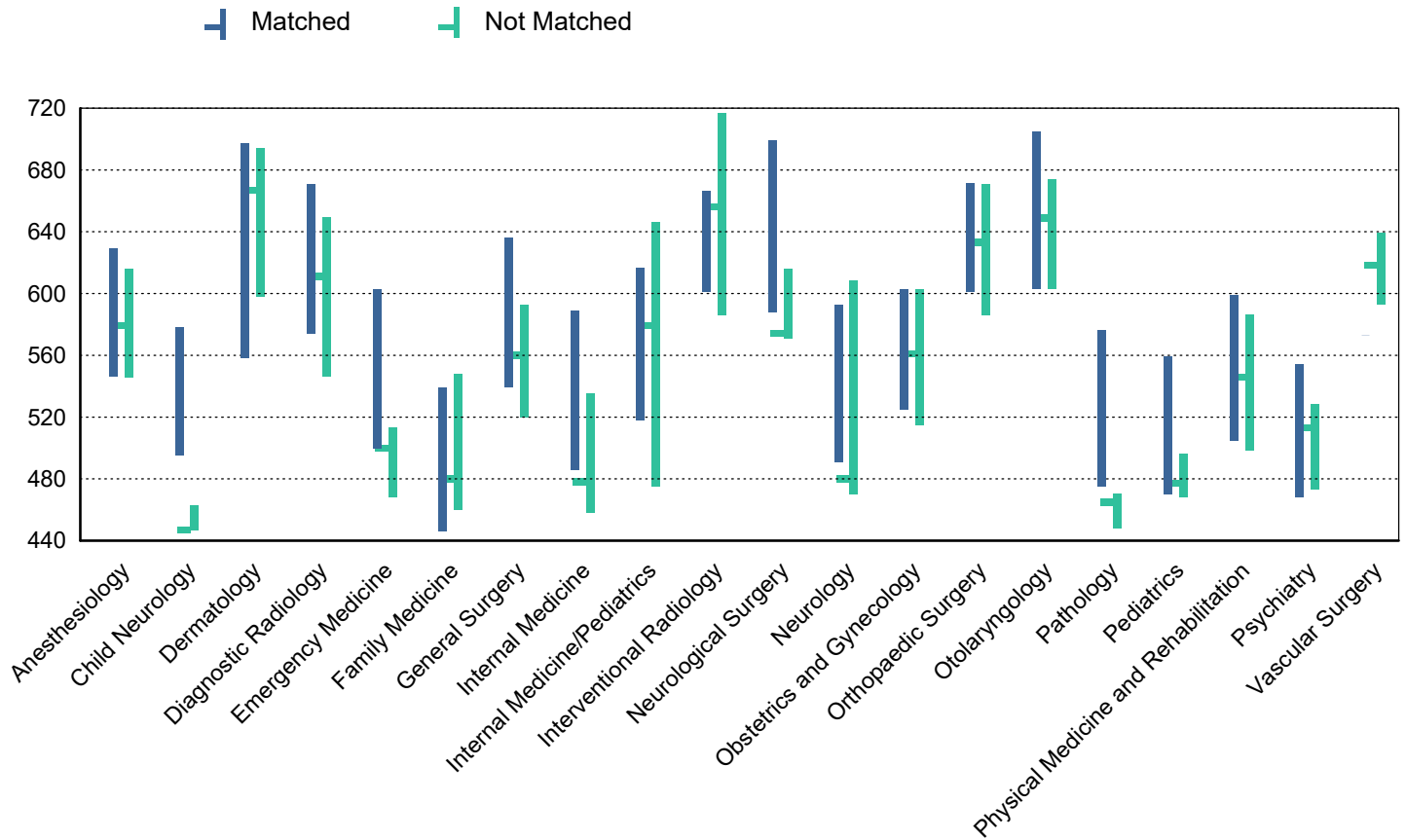


Source: NRMP Data Warehouse

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. Across all specialties, 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**



Sources: COMLEX scores provided by NBOME. Match outcomes from NRMP Data Warehouse

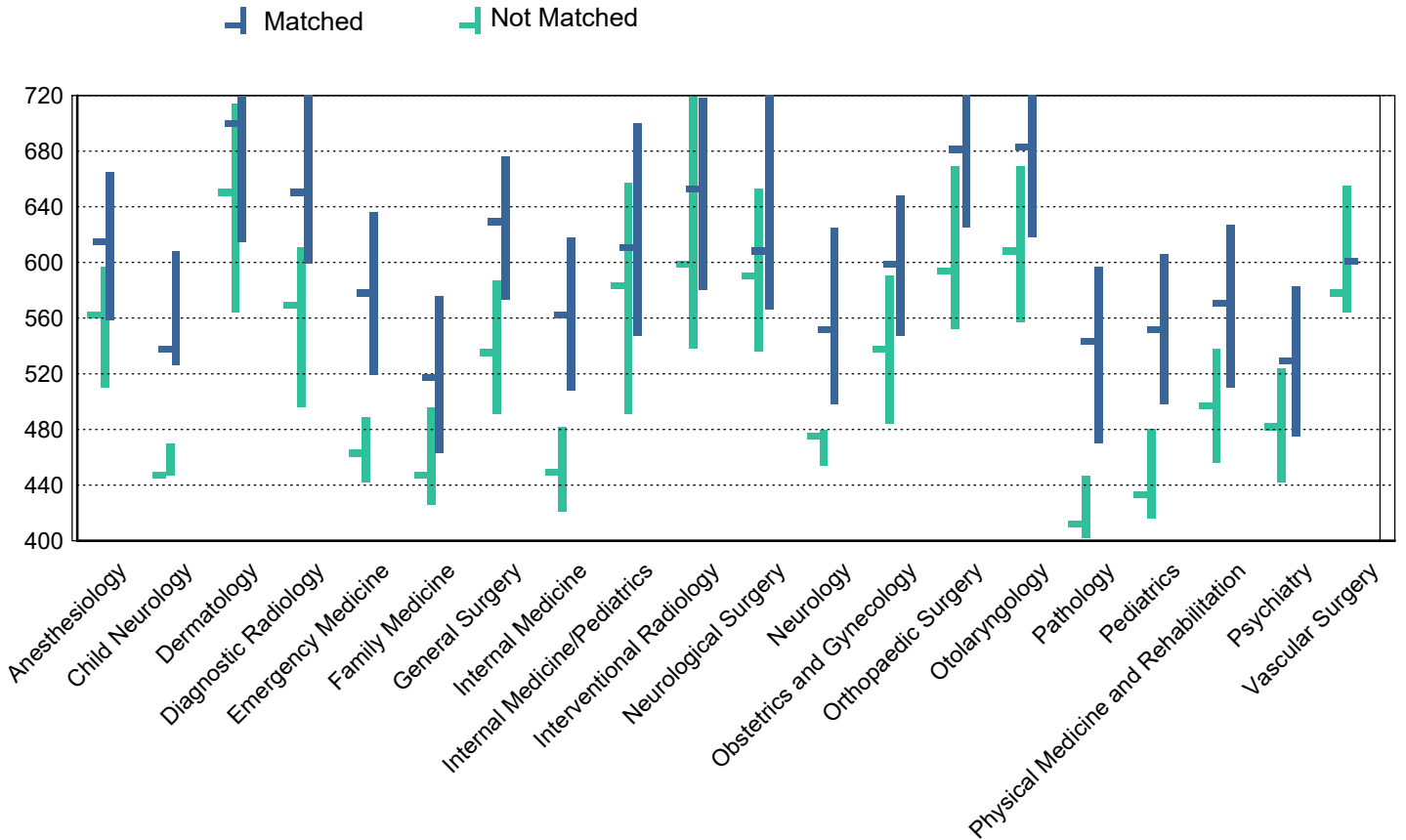
The Comprehensive Osteopathic Medical Licensing Examinations (COMLEX-USA) are required for graduation from a U.S. DO medical school. The COMLEX-USA examination series is designed to assess the osteopathic medical knowledge and clinical skills considered essential for osteopathic generalist physicians 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. Overall, U.S. DO seniors who matched to their preferred specialty had *mean* COMLEX-USA Level 1 scores of 542.4 (s.d. = 78.7), well above the 2022 minimum passing score of 400. COMLEX-USA Level 1 scores were available for 98.8 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 those who did not match.

**Chart  
7**

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



Sources: COMLEX scores provided by NBOME. Match outcomes from NRMP Data Warehouse

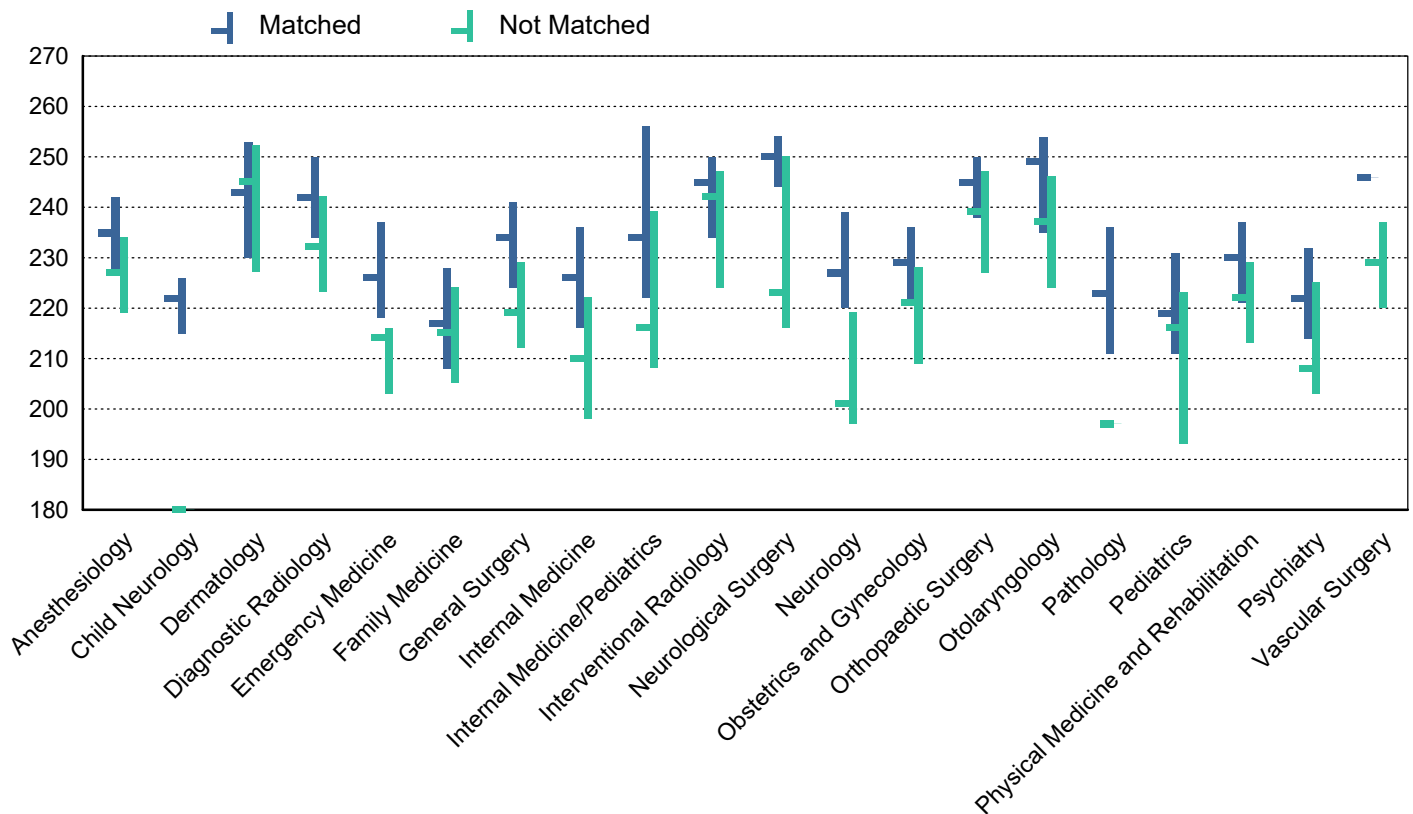
The COMLEX-USA Level 2-Cognitive Evaluation (CE) integrates the clinical disciplines of Emergency Medicine, Family Medicine, Internal Medicine, Obstetrics/Gynecology, Osteopathic Principles and Neuromusculoskeletal Medicine, Pediatrics, Psychiatry, Surgery, and other areas relevant to solving clinical 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 570.1 (s.d. = 92.5), well above the 2022 minimum passing score of 400. COMLEX-USA Level 2-CE scores were available for 97.4 percent of U.S. DO seniors who participated in the Main Residency Match.

Chart 7 shows the COMLEX-USA 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.

As with the Level 1 scores, for most 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

USMLE Step 1 scores are a measure of a student’s understanding of important basic science concepts and the ability to apply that knowledge to the practice of medicine. Although such knowledge is only one facet of applicant qualifications considered by program directors in their selection process, a Step 1 score is the only qualification that is universally available for all applicant types during the interview season and prior to the NRMP’s ranking deadline.

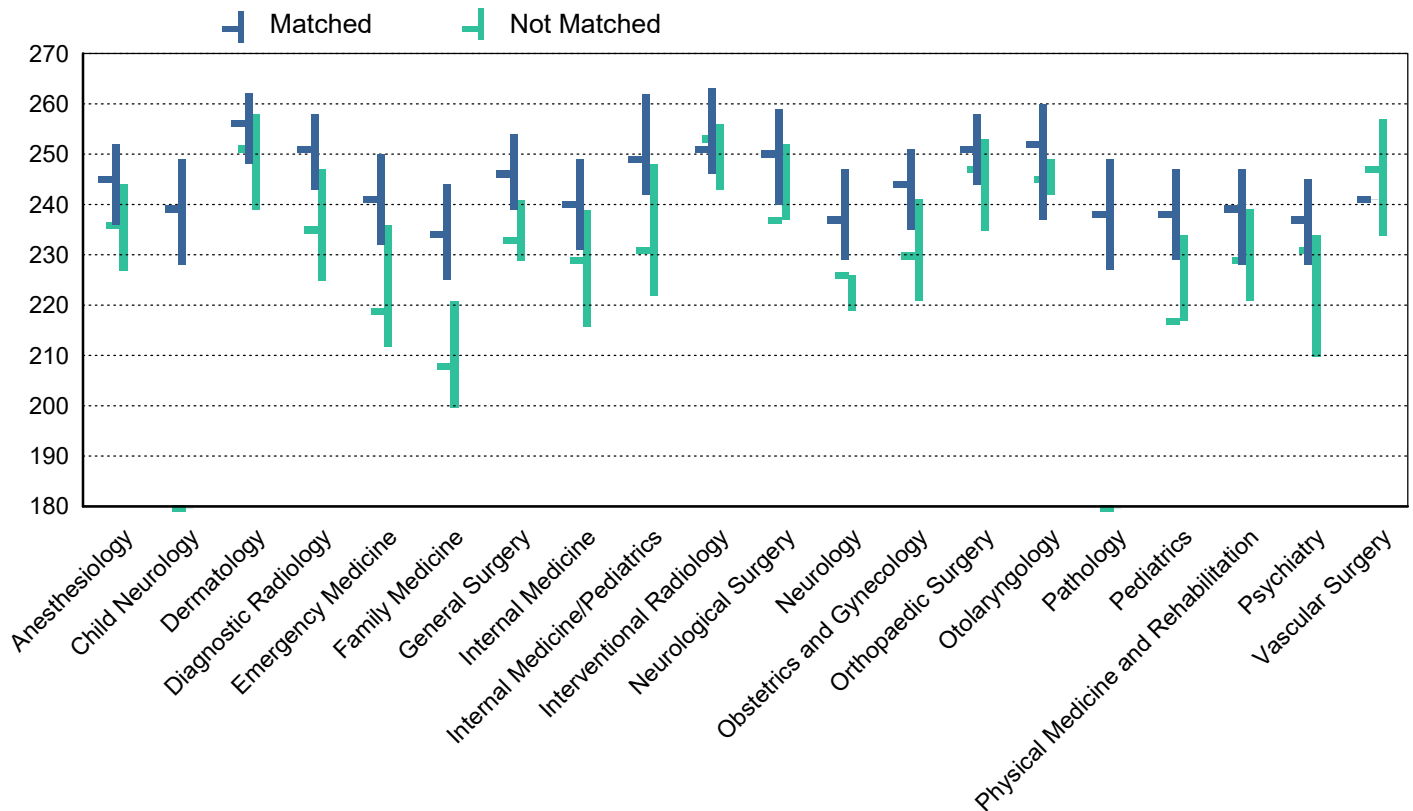
It is important to note that not all U.S. DO seniors took the USMLE or reported the scores to the NRMP. Step 1 scores were available for only 68.1 percent of U.S. DO seniors who gave consent to research. Overall, U.S. DO seniors who matched to their preferred specialty had *mean* USMLE Step 1 scores of 227.0 (s.d. = 15.6) well above the 2022 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. Matched U.S. DO seniors who preferred Vascular Surgery as well as unmatched U.S. DO seniors who preferred Child Neurology and Pathology represent examples. For all specialties, the IQR of U.S. DO seniors who matched to their preferred specialties was higher than those who did not match.



**Chart  
9**

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



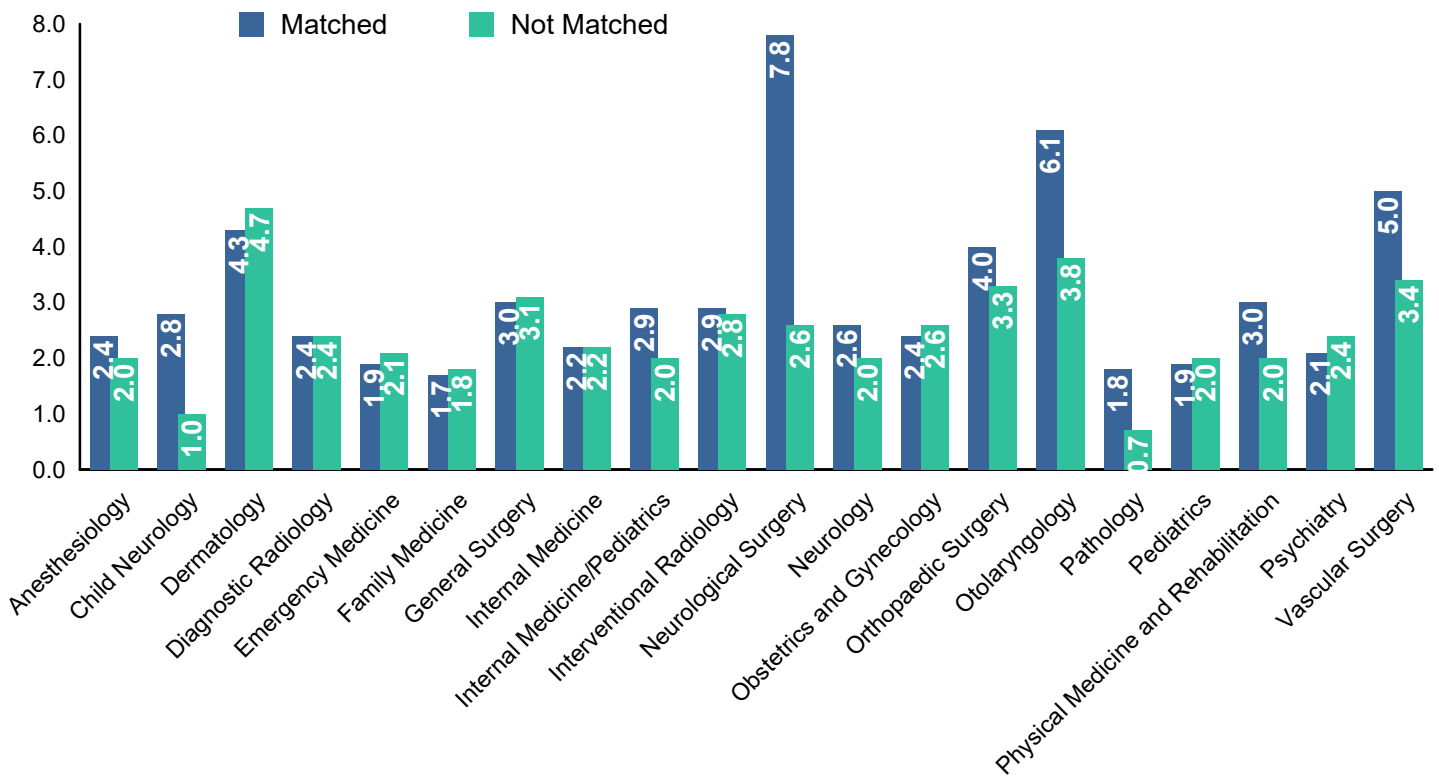
Sources: COMLEX scores provided by NBOME. Match outcomes from NRMP Data Warehouse

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 59.0 percent of U.S. DO seniors who gave consent to research. Overall, U.S. DO seniors who matched to their preferred specialty had *mean* USMLE Step 2 CK scores of 241.1 (s.d. = 13.6) well above the 2022 minimum passing score of 209.

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. Matched U.S. DO seniors who preferred Vascular Surgery as well as unmatched U.S. DO seniors who preferred Child Neurology and Pathology are examples. 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**

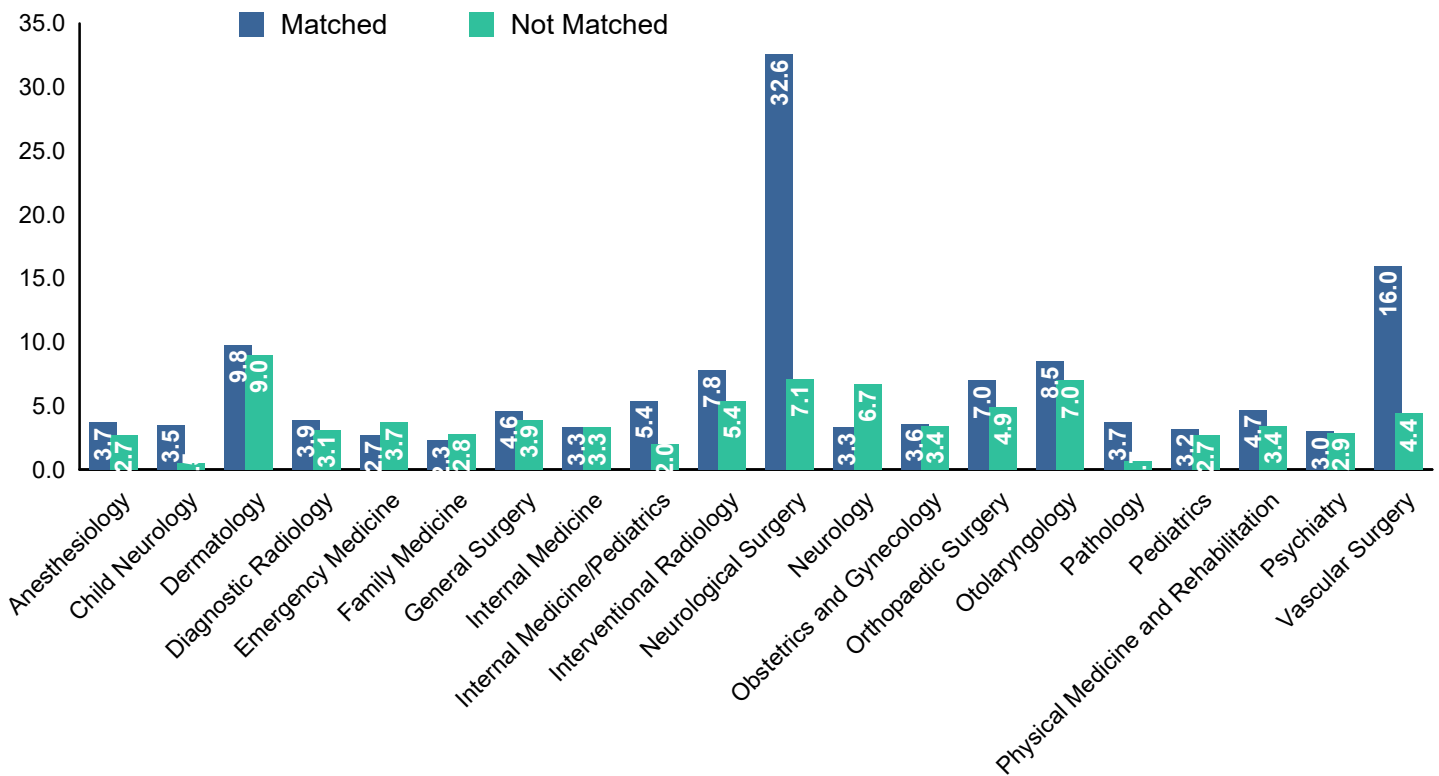


Source: NRMP Data Warehouse

Applicants were asked to report the number of research experiences they entered in their Electronic Residency Application Service (ERAS) 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 2.2 research experiences, with 88.0 percent reporting at least one research experience. The average numbers of research experiences were higher for matched U.S. DO seniors among competitive specialties such as Orthopaedic Surgery, Neurological Surgery and Otolaryngology.

**Chart  
11**

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



Source: NRMP Data Warehouse

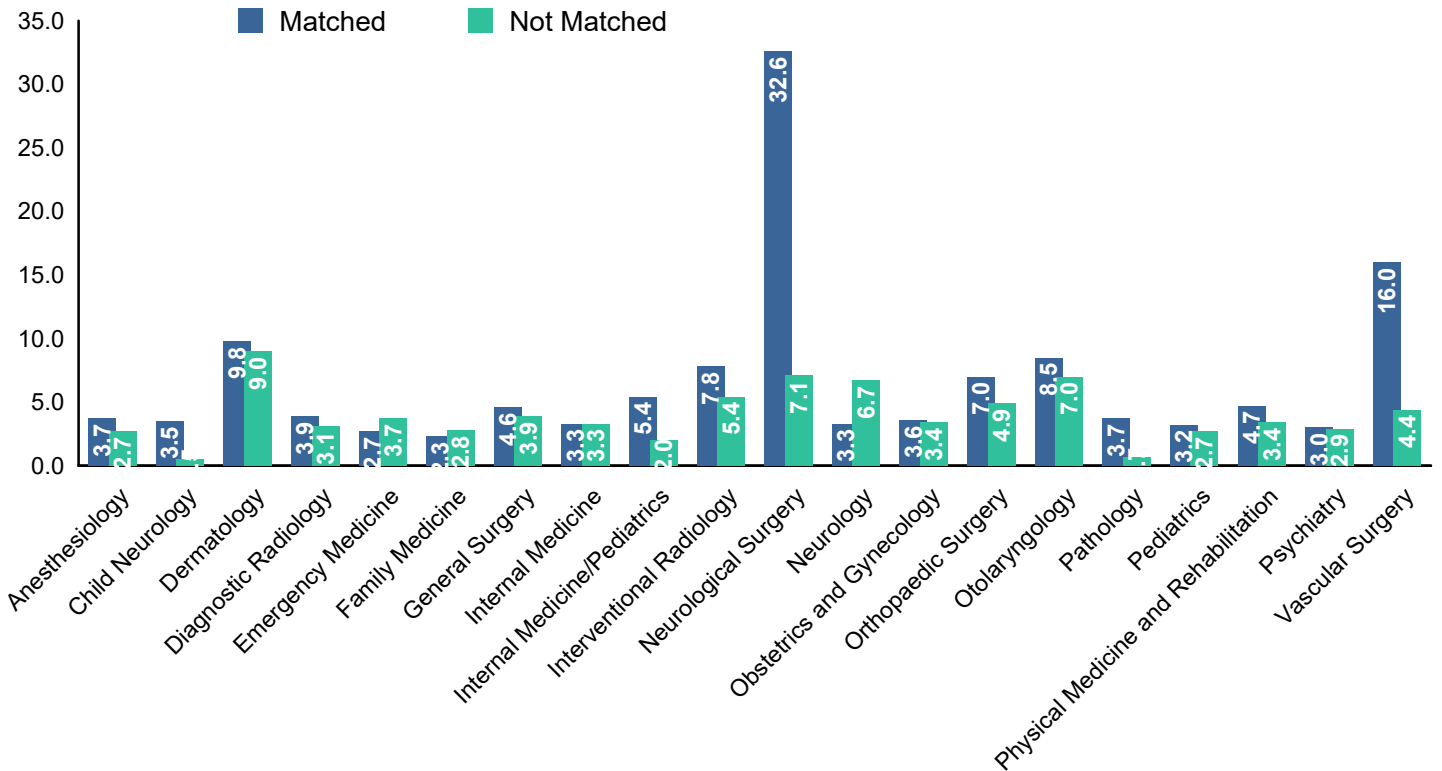
Applicants were asked to list the number of abstracts, presentations, and publications they reported in their ERAS applications. This information is self-reported and may include peer-reviewed articles, abstracts, poster sessions, and invited national or regional presentations. Some residency programs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

Many applicants report abstracts, presentations, or publications, sometimes dozens or even hundreds. In the individual specialty sections, we distinguish between no 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 (87.3%) reported at least one publication, with an average of 3.4 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**

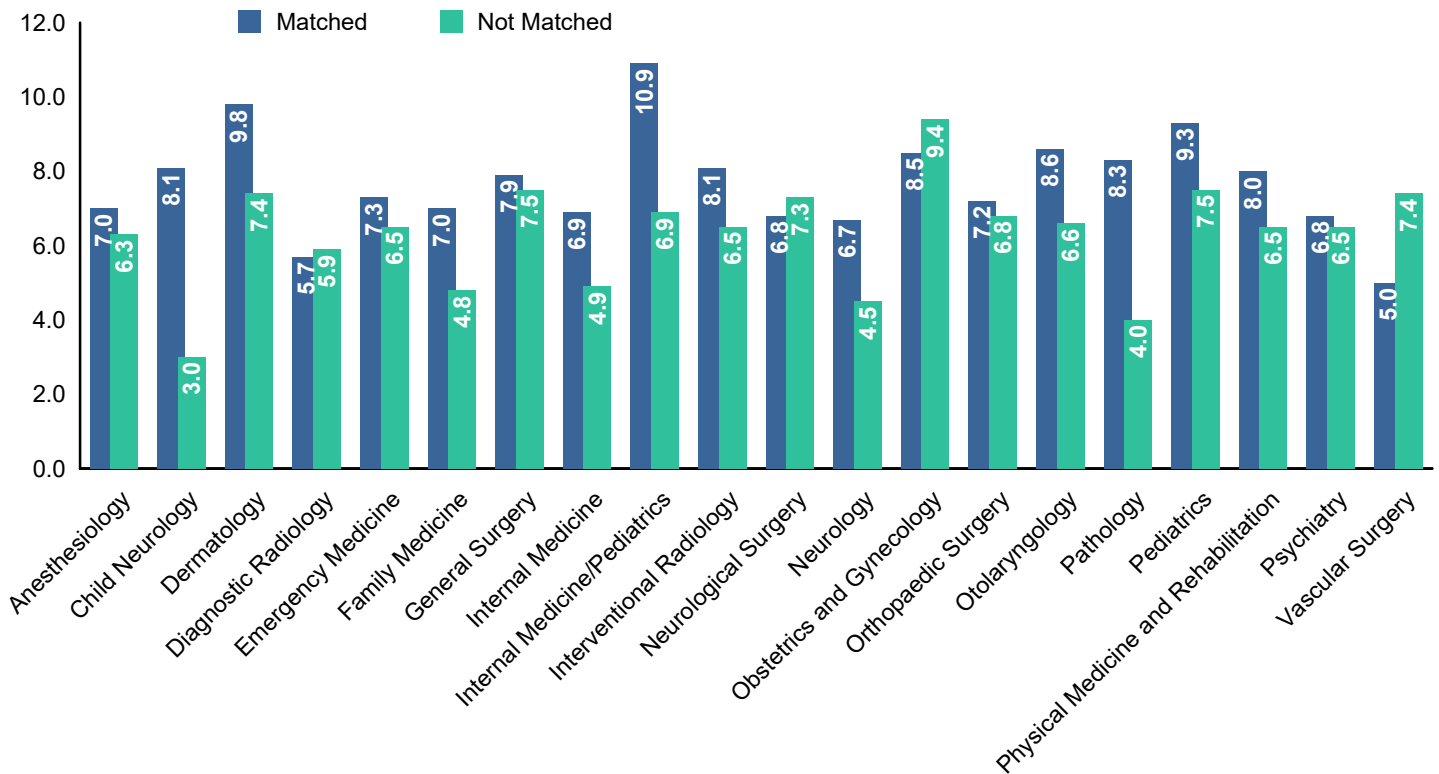


Source: NRMP Data Warehouse

Applicants were asked to list the number of work experiences they reported in their ERAS applications. Chart 12 shows the mean number of work experiences by preferred specialty and Match outcome. U.S. DO seniors averaged 3.6 work experiences, with 88.6 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**

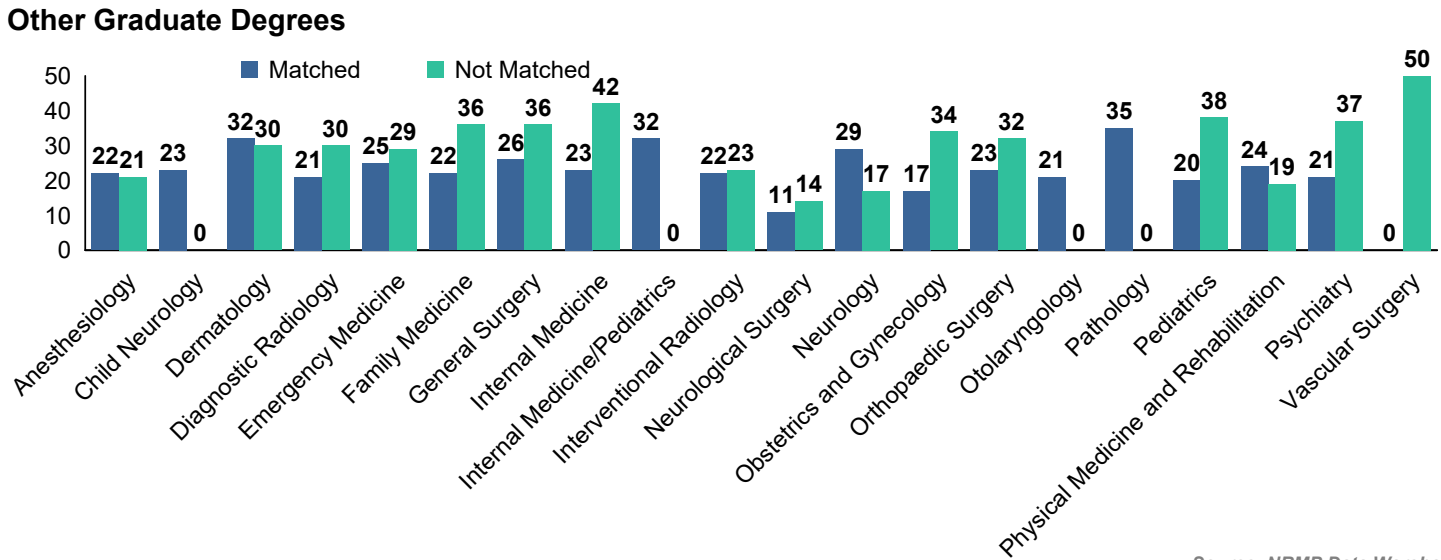
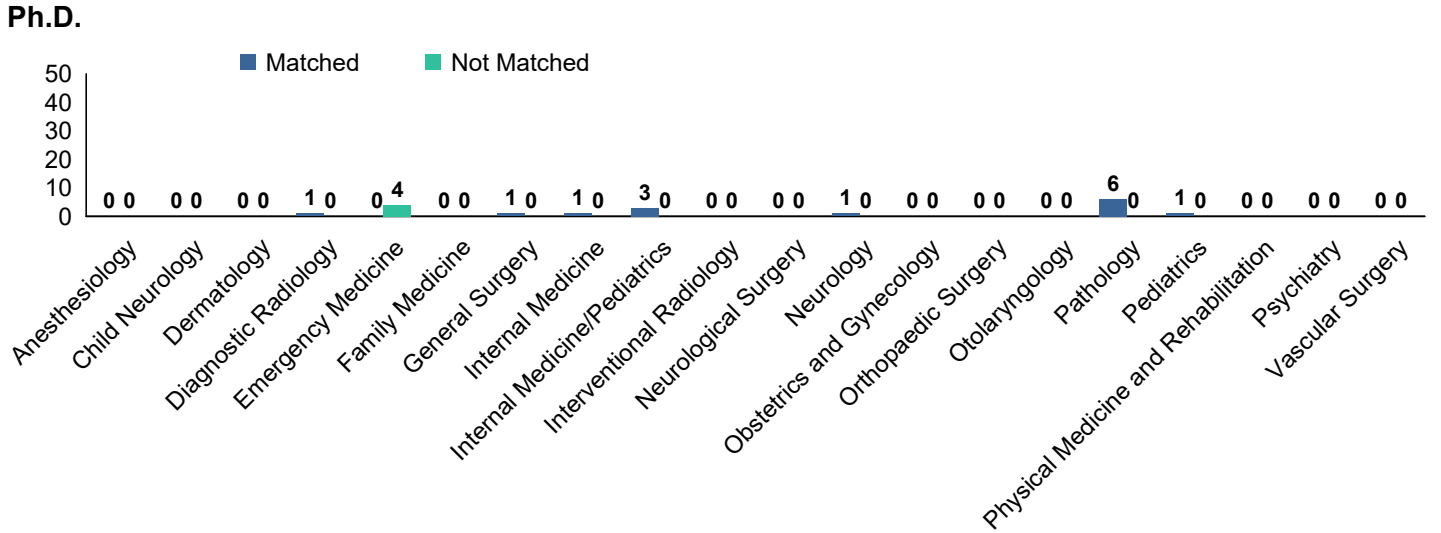


Source: NRMP Data Warehouse

Applicants were asked to list the number of volunteer experiences they reported in their ERAS applications. 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 (88.5%) of U.S. DO seniors reported at least one volunteer experience, with an average of 7.3 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.

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**AN** Anesthesiology

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

Measure	Matched (n=251)	Unmatched (n=128)
1. Mean number of contiguous ranks	11.2	5.5
2. Mean number of distinct specialties ranked	1.7	2.0
3. Mean COMLEX-USA Level 1 score	589	541
4. Mean COMLEX-USA Level 2-CE score	617	558
5. Mean USMLE Step 1 score	234	226
6. Mean USMLE Step 2 CK score	245	236
7. Mean number of research experiences	2.4	2.0
8. Mean number of abstracts, presentations, and publications	3.7	2.7
9. Mean number of work experiences	3.7	3.5
10. Mean number of volunteer experiences	7.0	6.3
11. Percentage who have a Ph.D. degree	0.4	0.0
12. Percentage who have another graduate degree	21.8	21.5

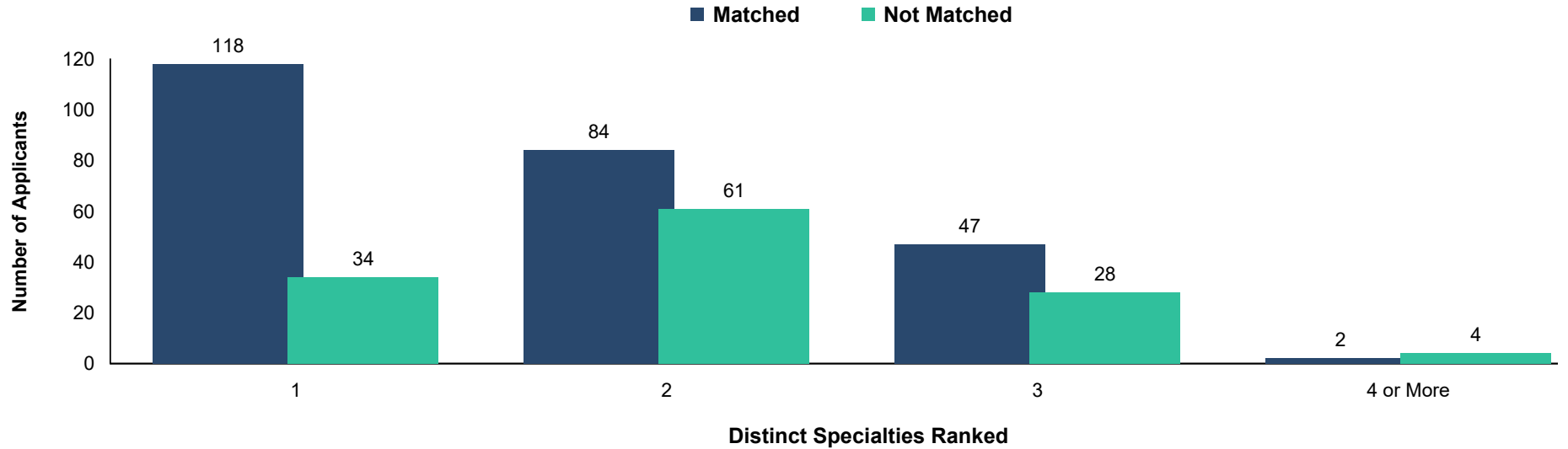
Source: NRMP Data Warehouse.

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



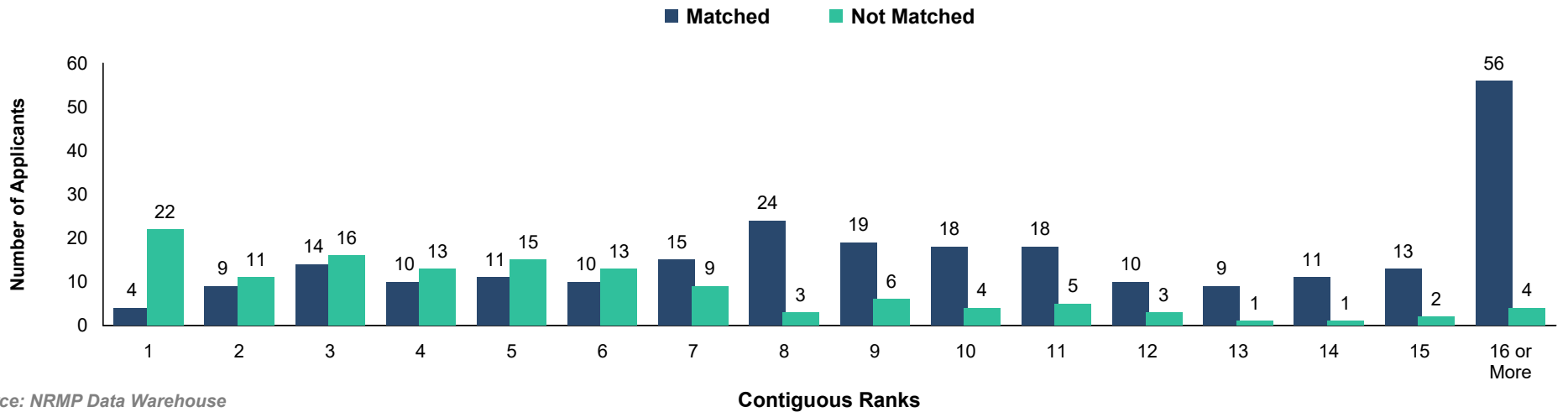
**Chart AN-1**

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



**Chart AN-2**

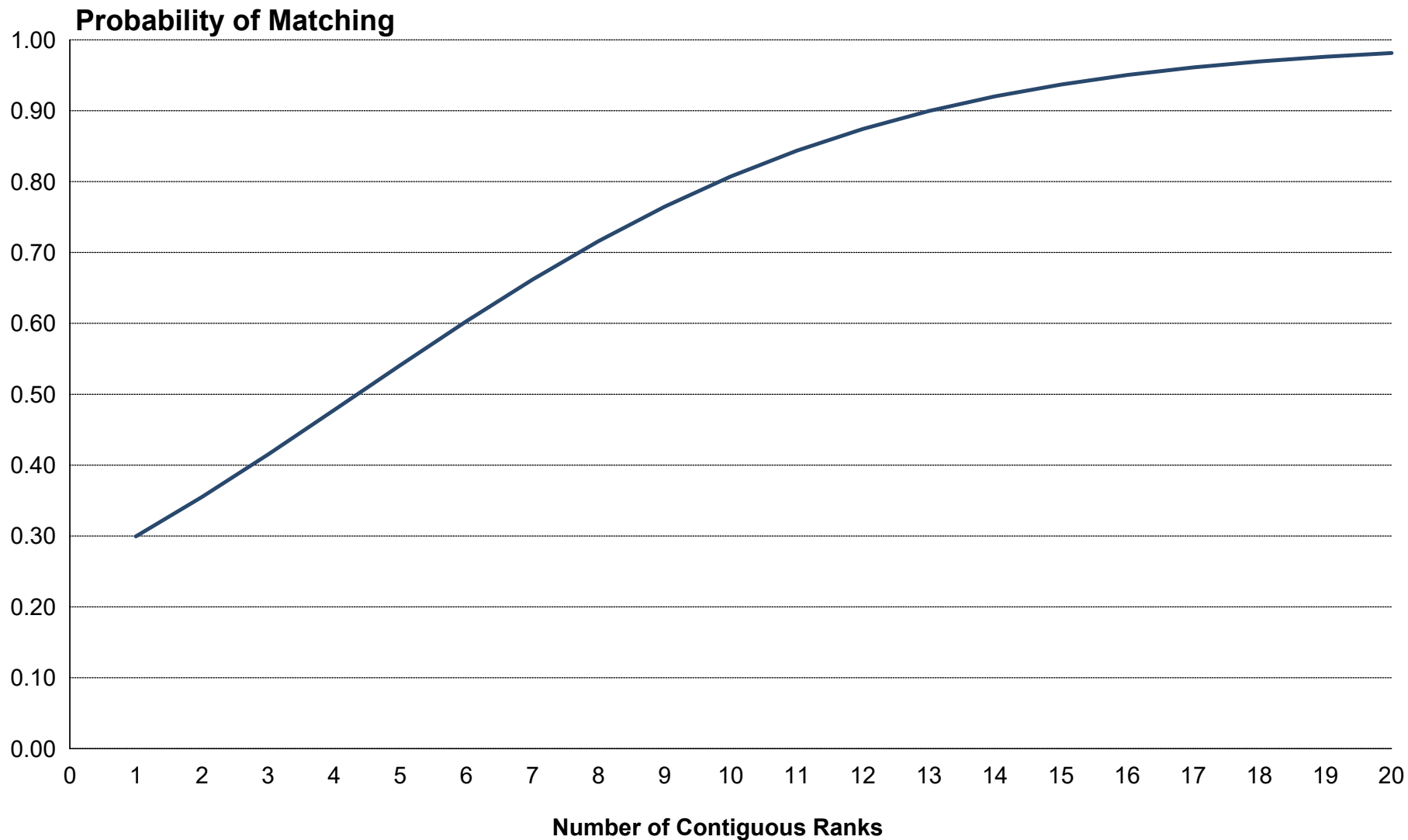
**Number of Contiguous Ranks of U.S. DO Seniors  
Anesthesiology**



Source: NRMP Data Warehouse

**Graph  
AN-1**

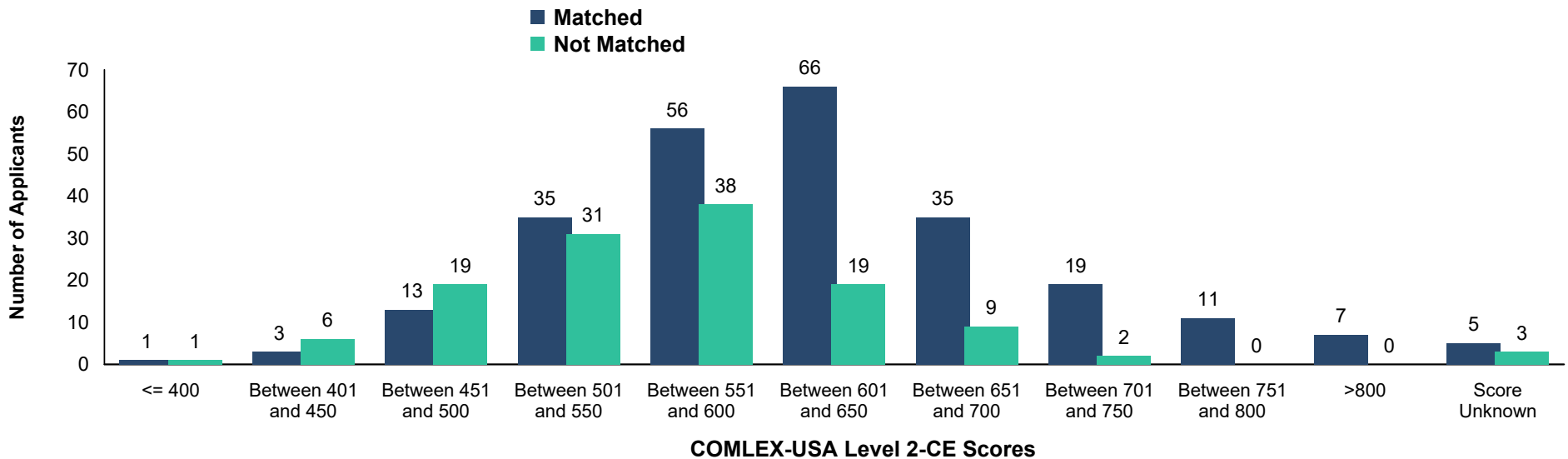
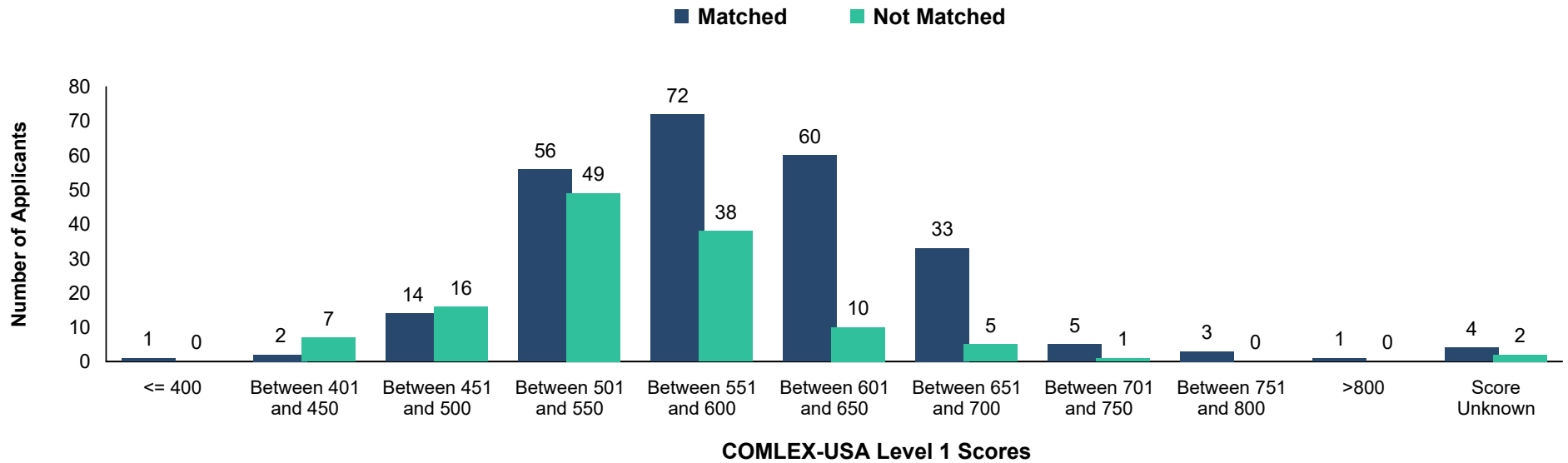
**Probability of U.S. DO Seniors Matching to Preferred Specialty by Number of Contiguous Ranks**  
*Anesthesiology*



Source: NRMP Data Warehouse. Note: Probabilities calculated based on 2020-2022 applicants.

**Chart  
AN-3**

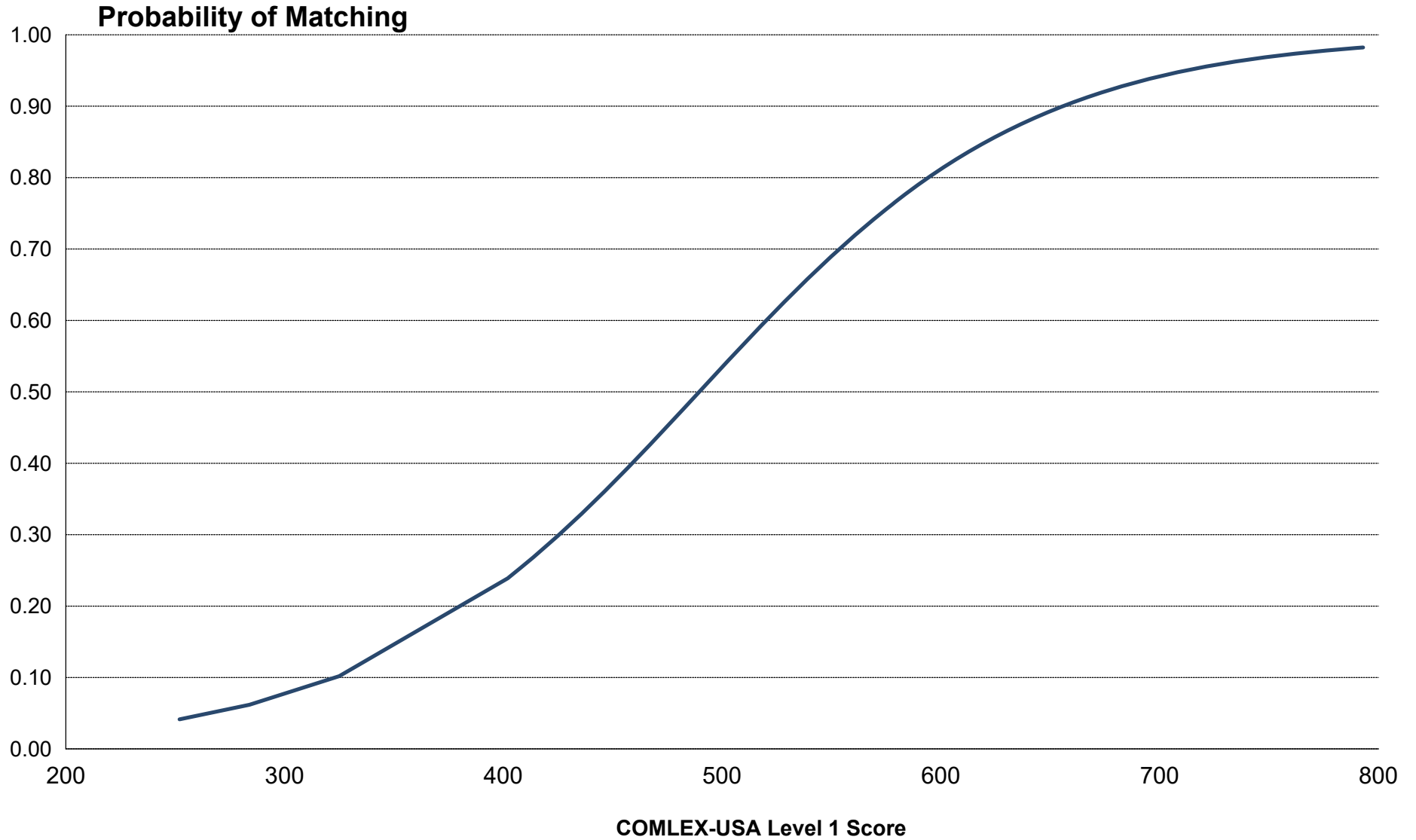
**COMLEX-USA Level 1 Scores of U.S. DO Seniors  
Anesthesiology**





**Graph  
AN-2**

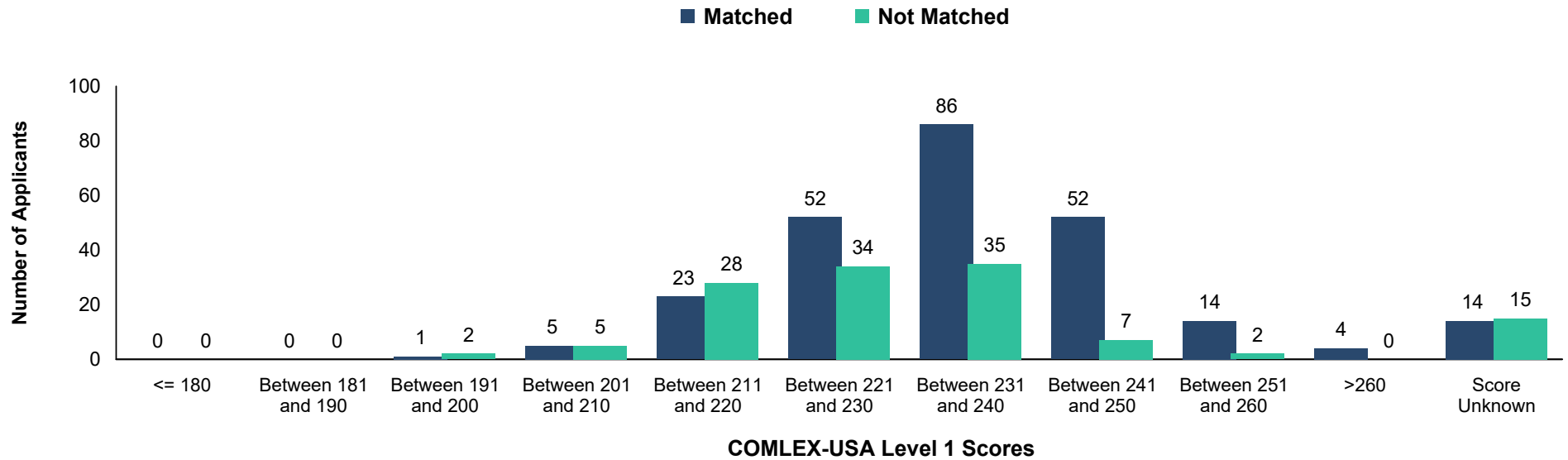
**Probability of U.S. DO Seniors Matching to Preferred Specialty by COMLEX-USA Level 1 Score**  
*Anesthesiology*



So

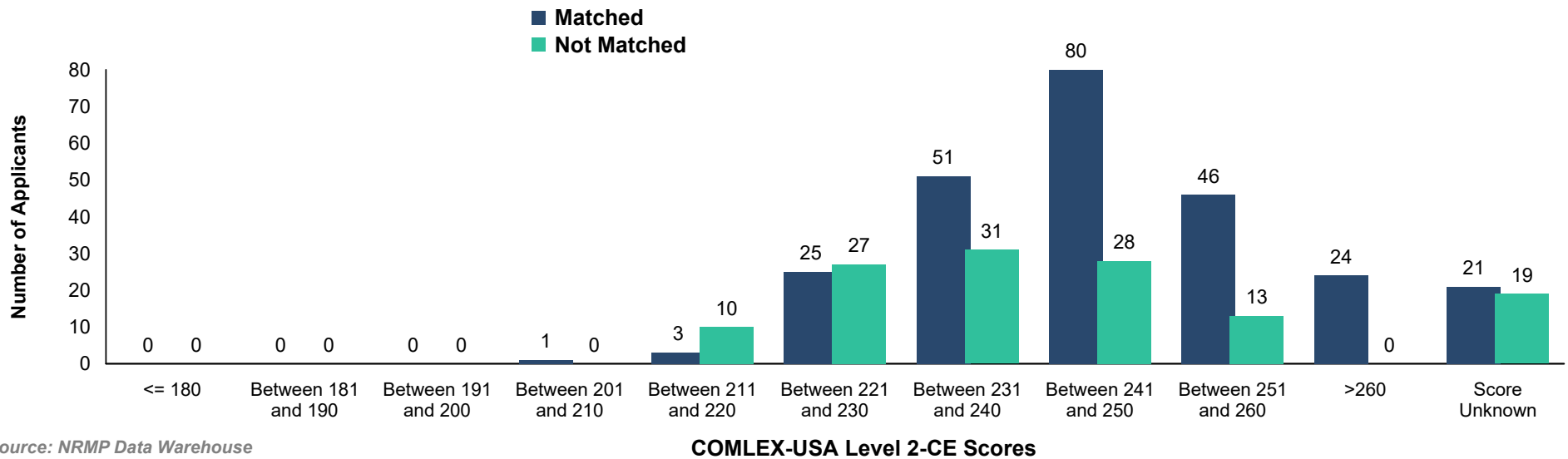
**Chart AN-5**

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



**Chart AN-6**

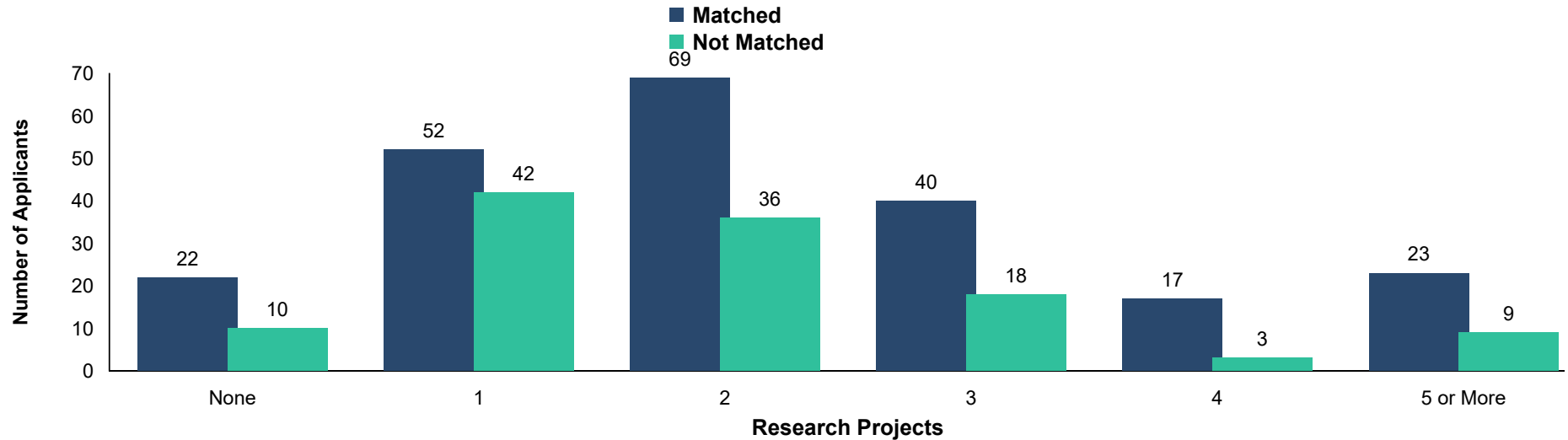
**USMLE Step 2 CK Scores of U.S. DO Seniors  
Anesthesiology**



Source: NRMP Data Warehouse

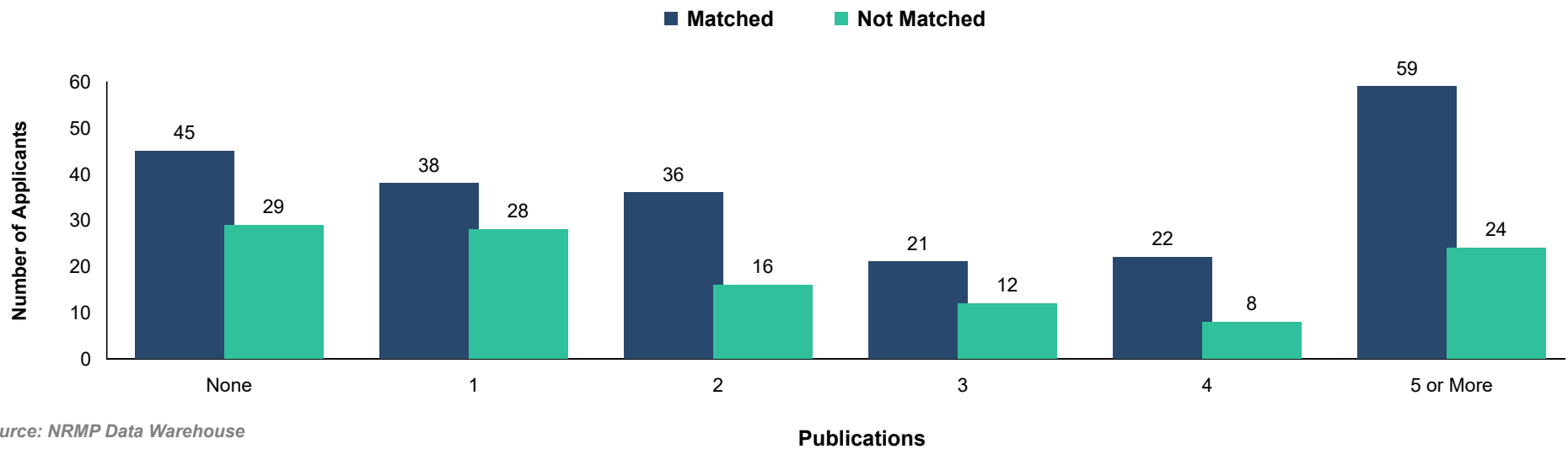
**Chart AN-7**

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



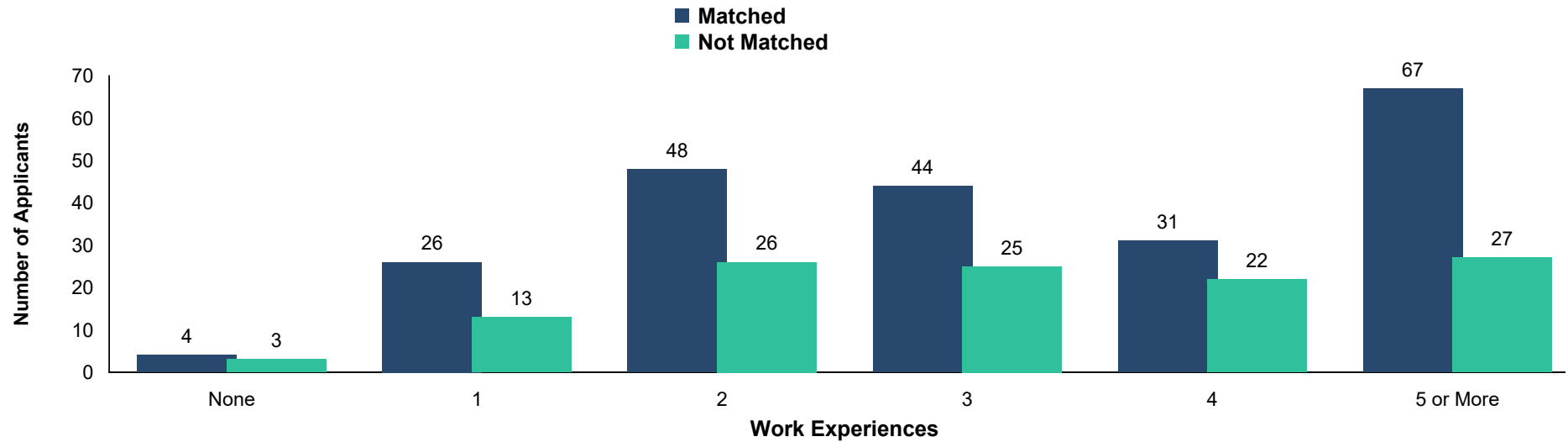
**Chart AN-8**

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

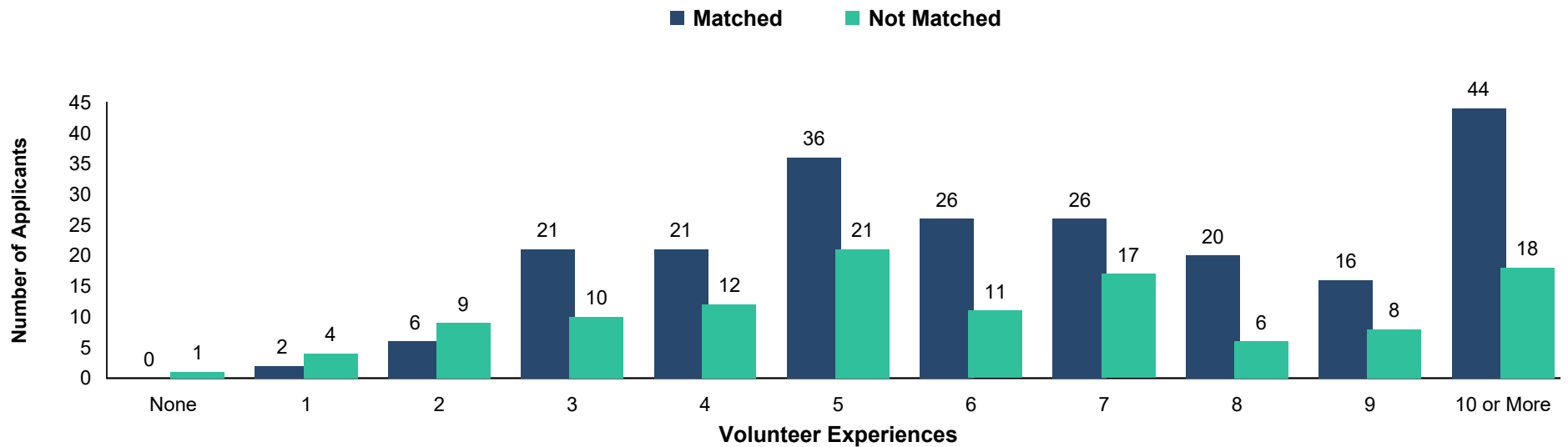


Source: NRMP Data Warehouse

**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*

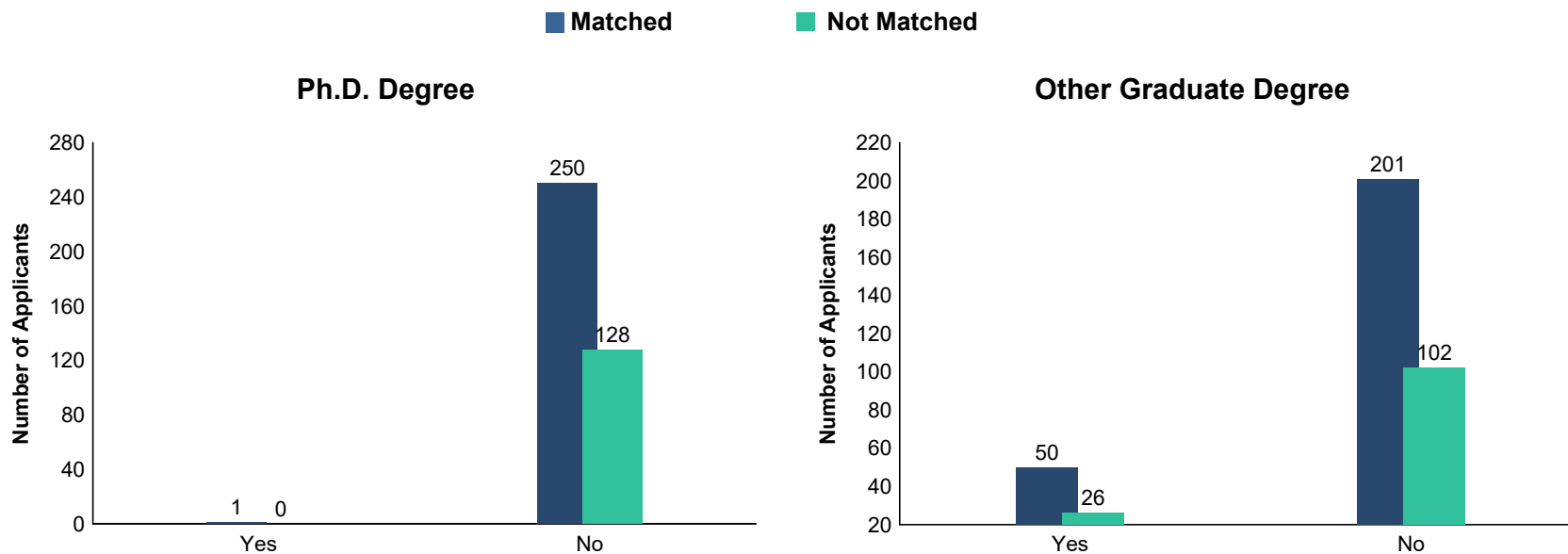


Source: NRMP Data Warehouse



**Chart  
AN-11**

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



Source: NRMP Data Warehouse.

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**CN** Child Neurology

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

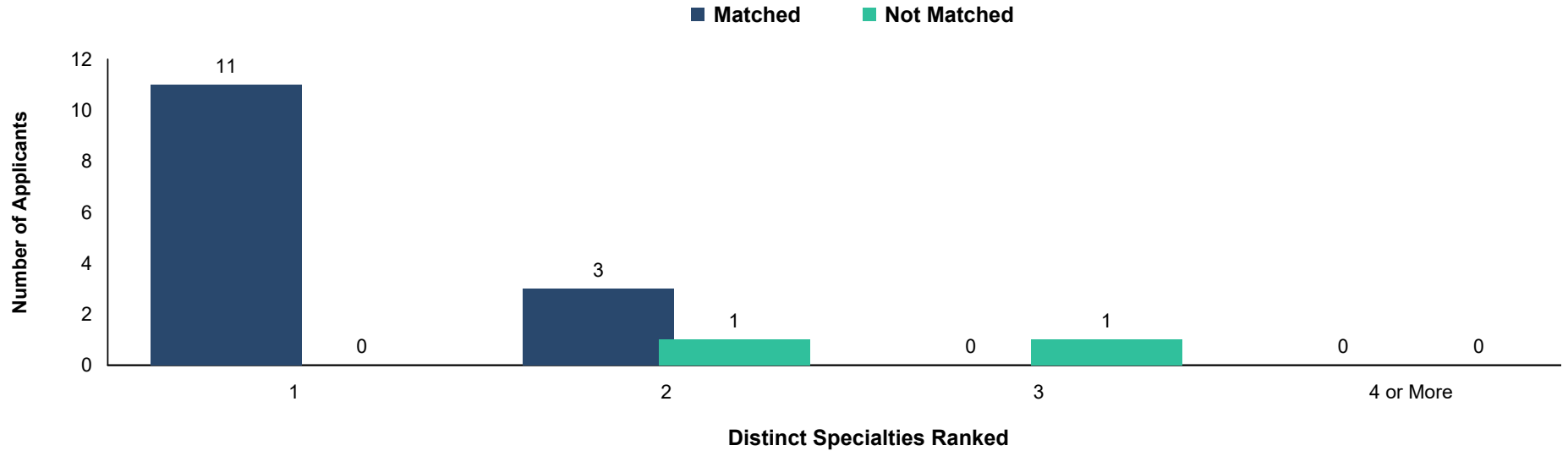
Measure	Matched (n=14)	Unmatched (n=2)
1. Mean number of contiguous ranks	14.1	1.5
2. Mean number of distinct specialties ranked	1.2	2.5
3. Mean COMLEX-USA Level 1 score	536	415
4. Mean COMLEX-USA Level 2-CE score	562	459
5. Mean USMLE Step 1 score	222	
6. Mean USMLE Step 2 CK score	238	
7. Mean number of research experiences	2.8	1.0
8. Mean number of abstracts, presentations, and publications	3.5	0.5
9. Mean number of work experiences	4.1	2.5
10. Mean number of volunteer experiences	8.1	3.0
11. Percentage who have a Ph.D. degree	0.0	0.0
12. Percentage who have another graduate degree	23.1	0.0

Source: NRMP Data Warehouse.

Note: Only U.S. DO seniors who gave consent to use their information in research are included. Data were not reported for USMLE Step 2 CK by unmatched U.S. DO senior applicants preferring Child Neurology.

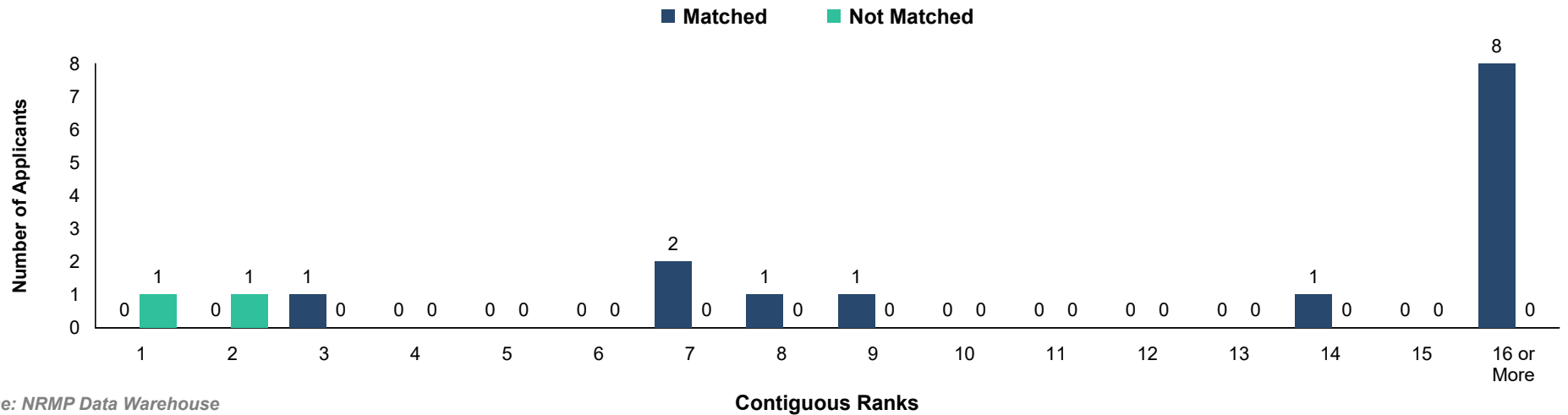
**Chart  
CN-1**

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



**Chart  
CN-2**

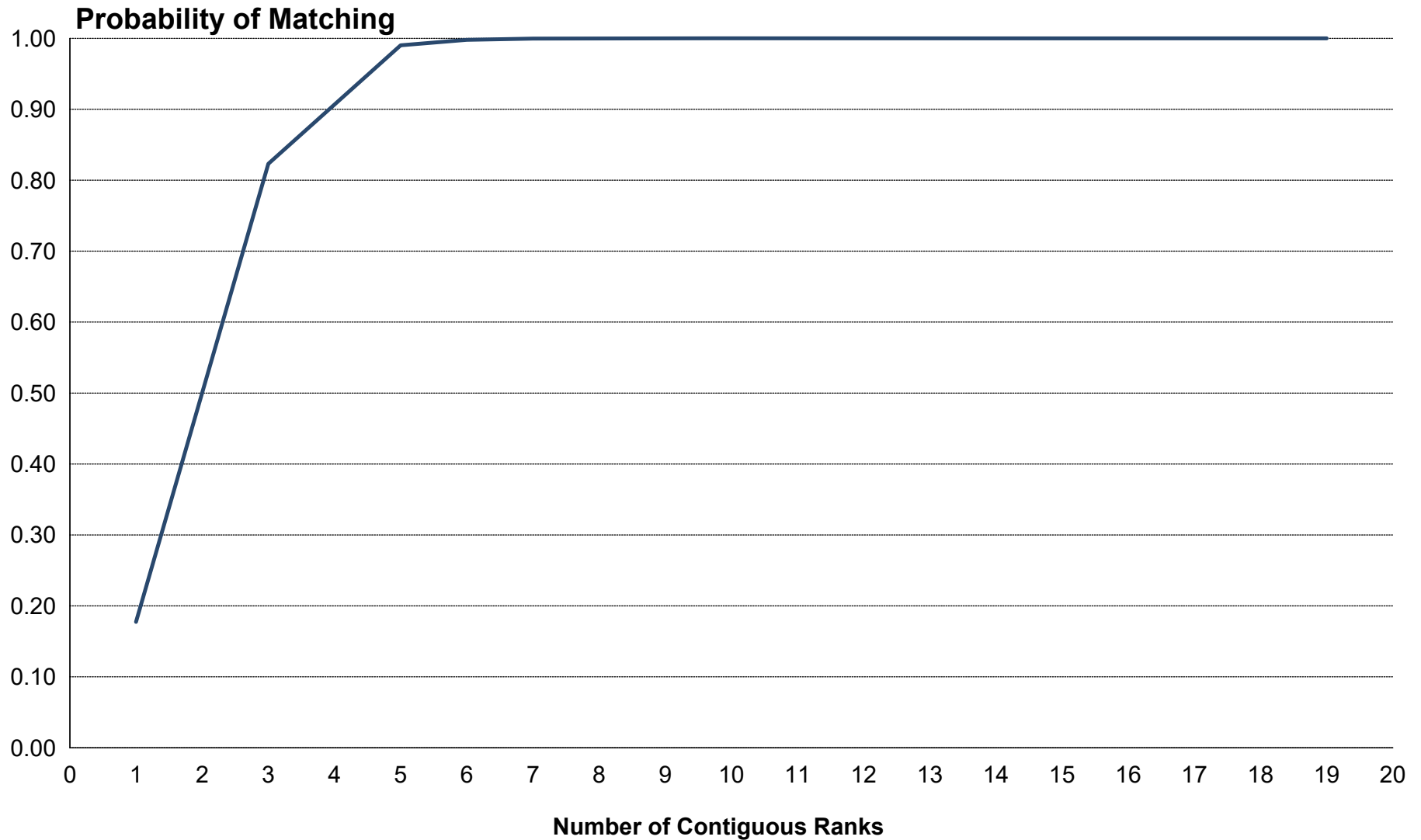
**Number of Contiguous Ranks of U.S. DO Seniors**  
*Child Neurology*



Source: NRMP Data Warehouse

**Graph  
CN-1**

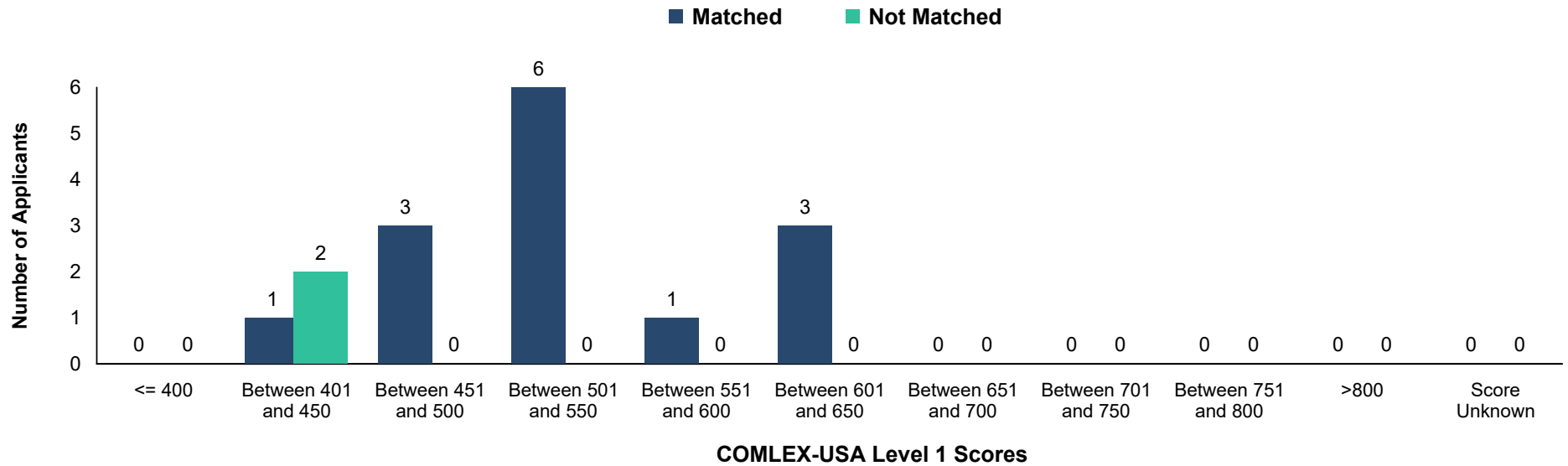
**Probability of U.S. DO Seniors Matching to Preferred Specialty by Number of Contiguous Ranks**  
*Child Neurology*



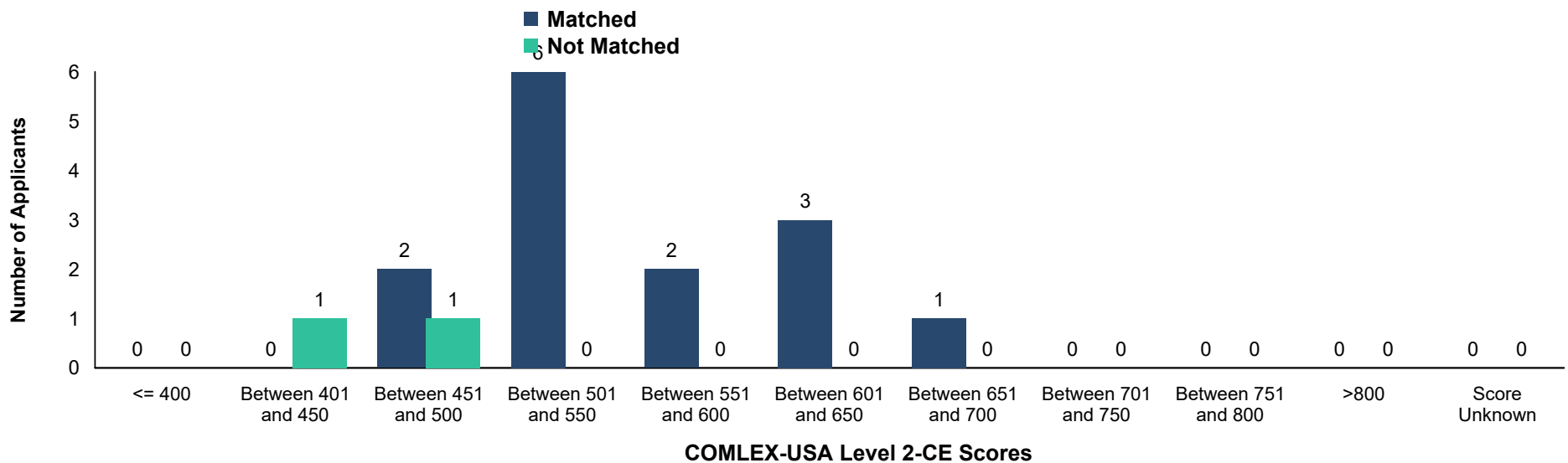
Source: NRMP Data Warehouse. Note: Probabilities calculated based on 2020-2022 applicants.

**Chart  
CN-3**

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

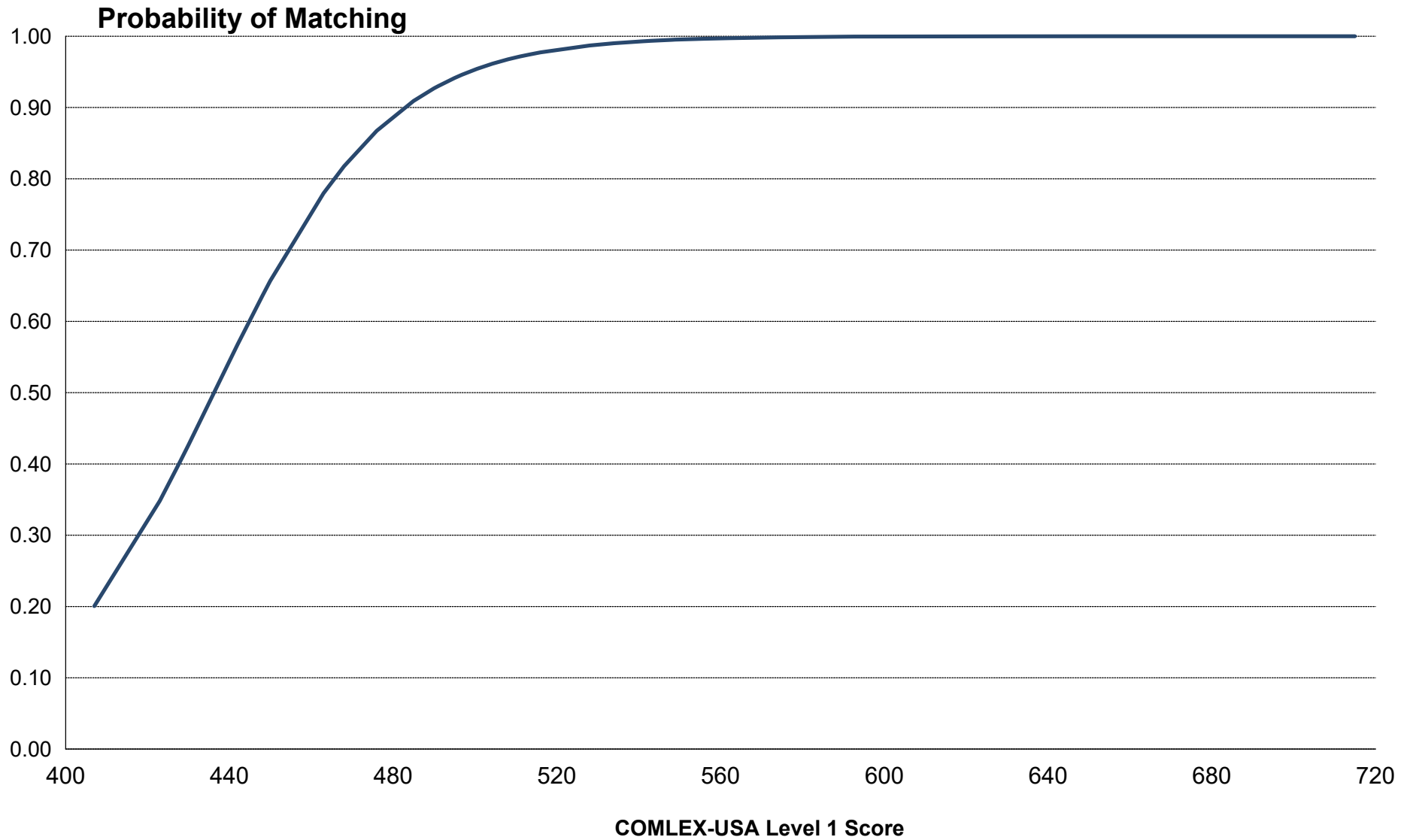


**Child Neurology**





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

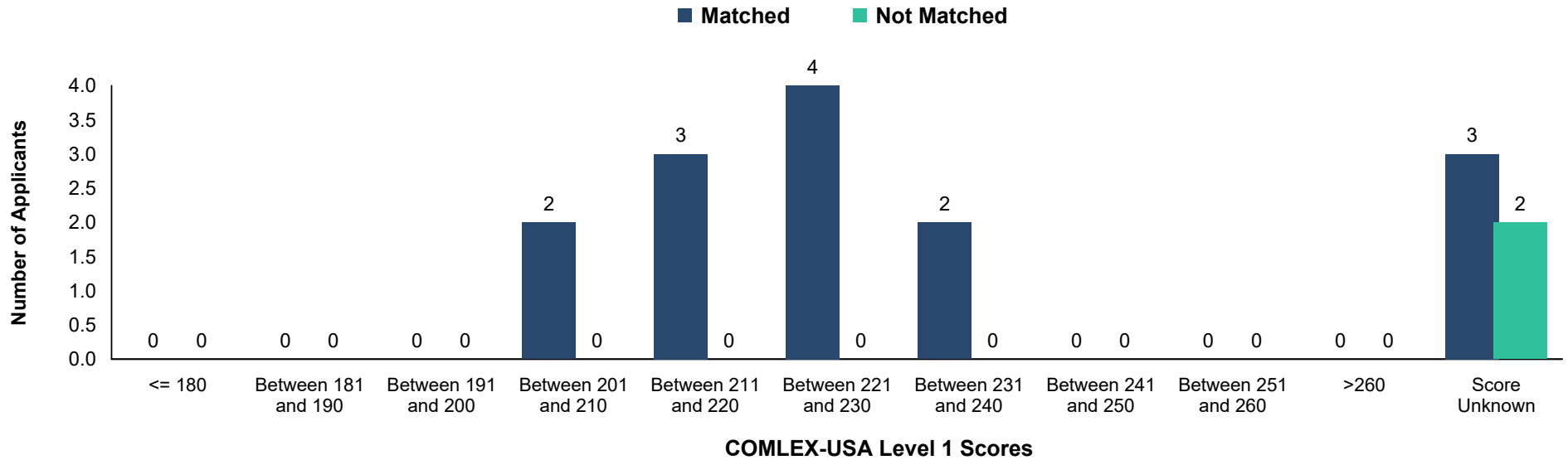


So



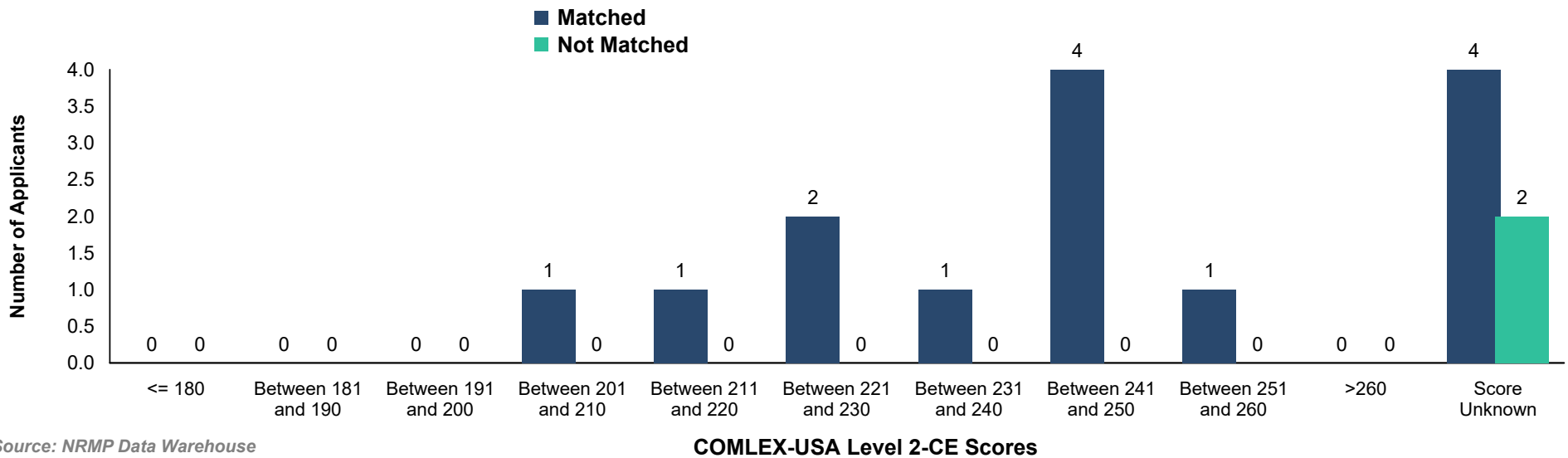
**Chart  
CN-5**

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



**Chart  
CN-6**

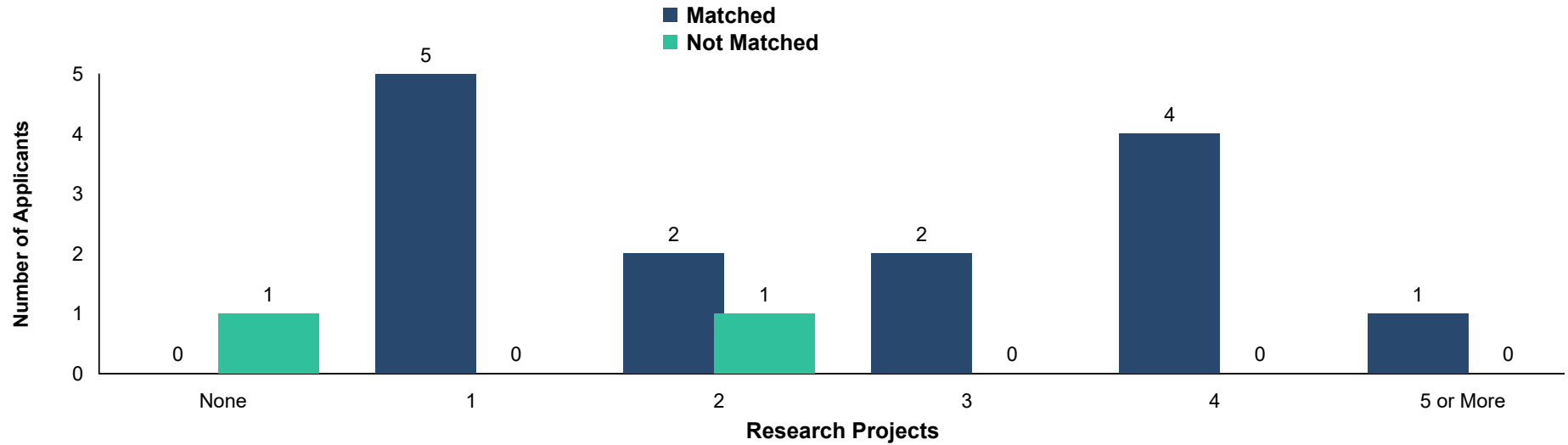
**USMLE Step 2 CK Scores of U.S. DO Seniors  
Child Neurology**



Source: NRMP Data Warehouse

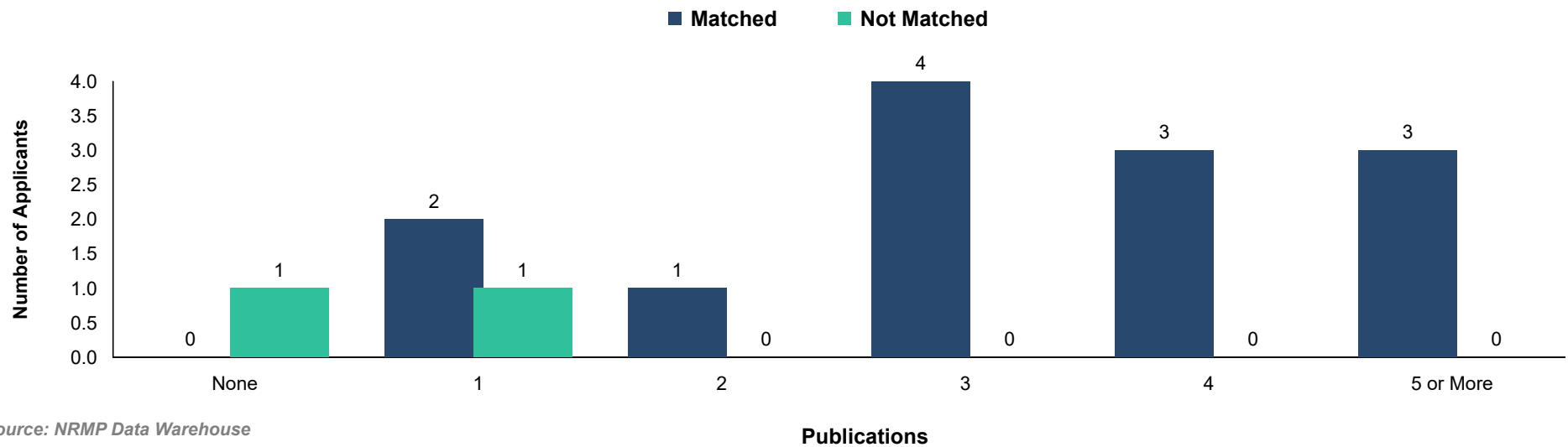
**Chart  
CN-7**

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



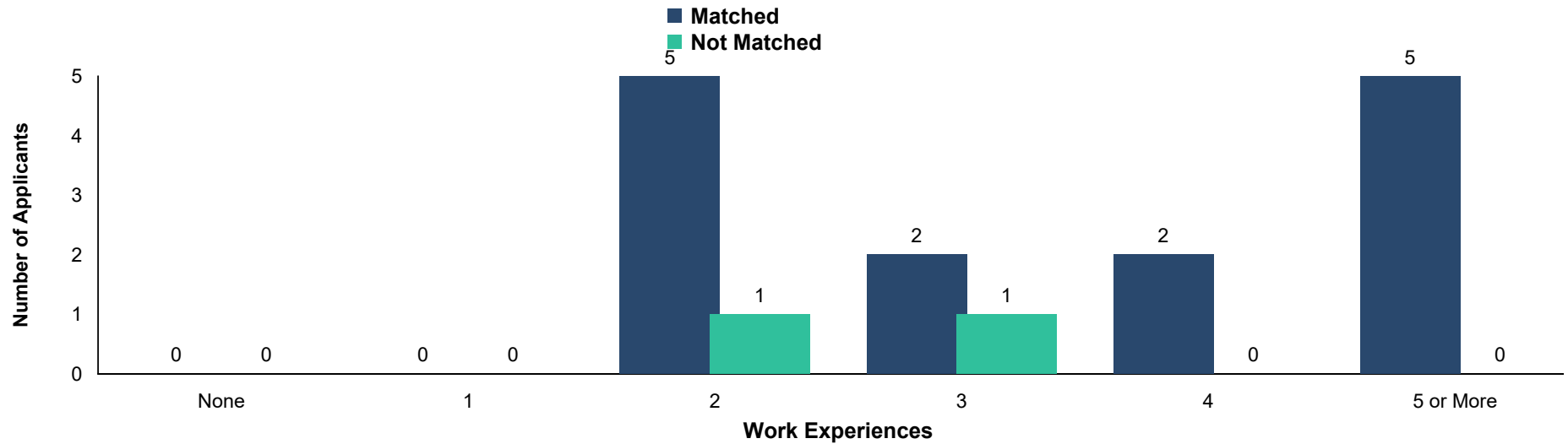
**Chart  
CN-8**

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

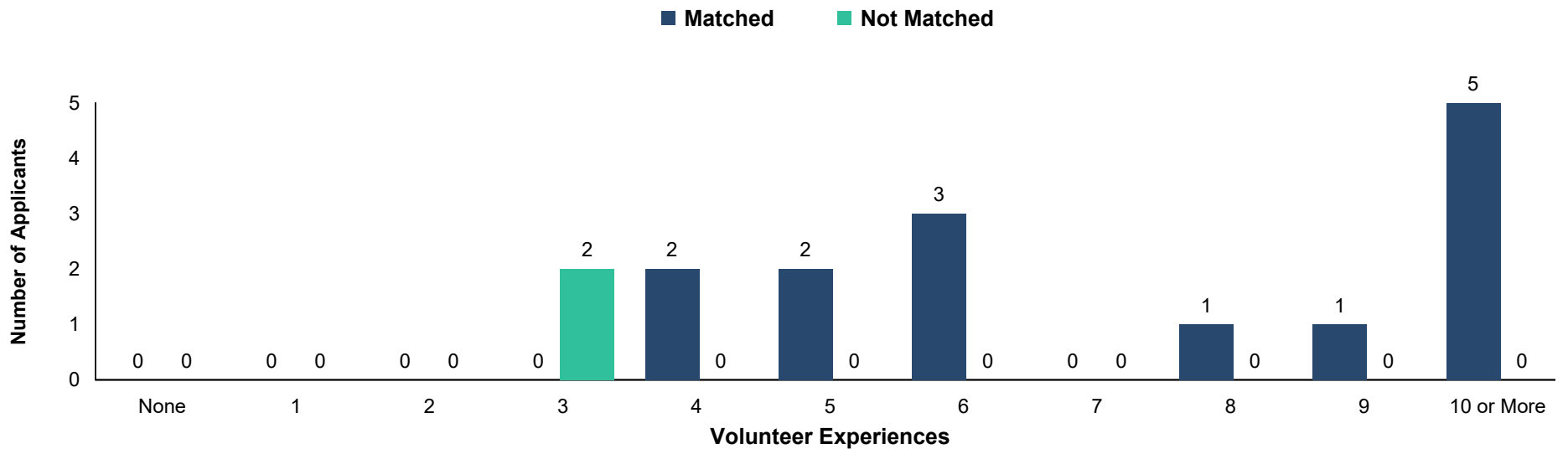


Source: NRMP Data Warehouse

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



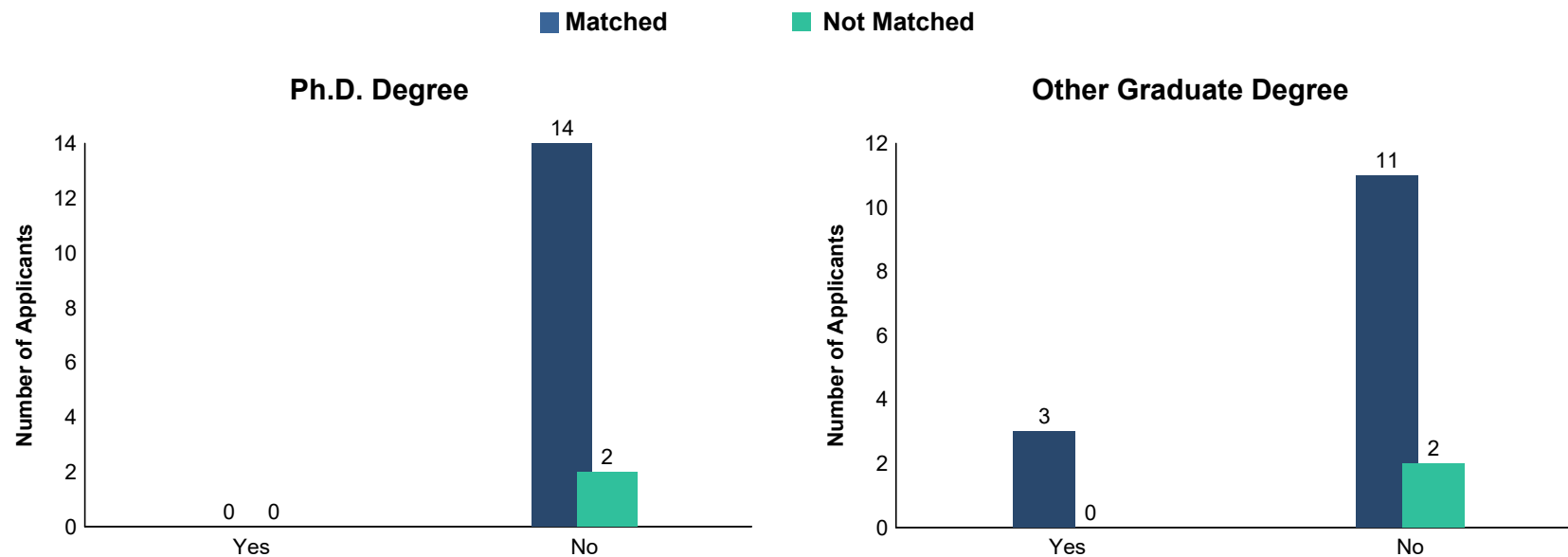
**Chart CN-10** Number of Volunteer Experiences of U.S. DO Seniors  
*Child Neurology*



Source: NRMP Data Warehouse

**Chart  
CN-11**

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



Source: NRMP Data Warehouse.

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**DM** Dermatology

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

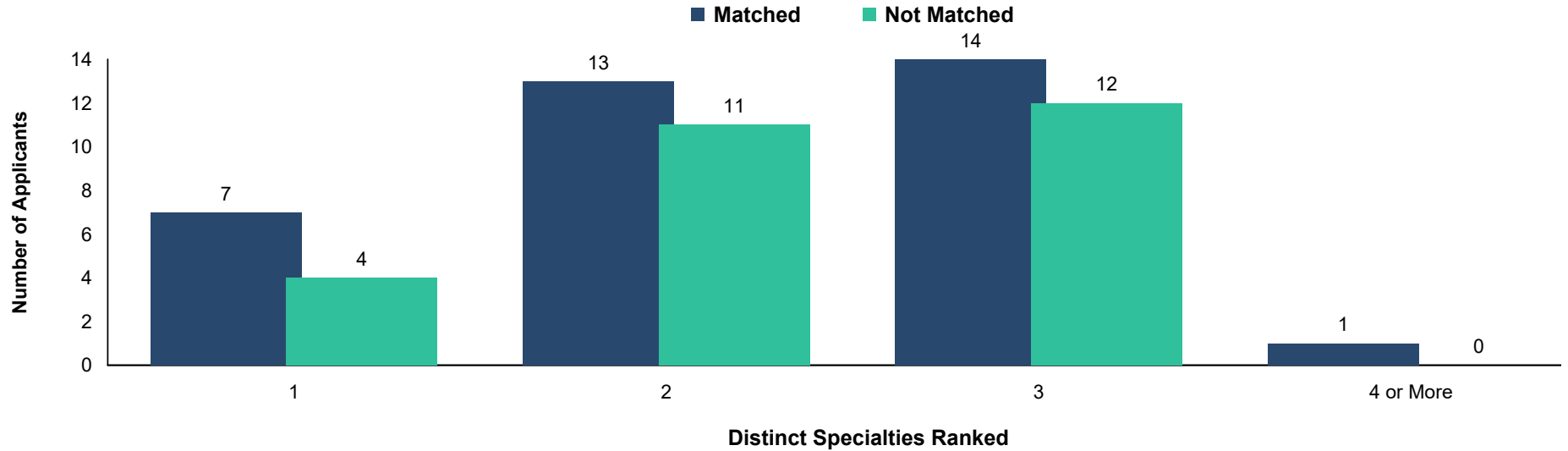
Measure	Matched (n=35)	Unmatched (n=28)
1. Mean number of contiguous ranks	6.3	4.4
2. Mean number of distinct specialties ranked	2.3	2.4
3. Mean COMLEX-USA Level 1 score	626	619
4. Mean COMLEX-USA Level 2-CE score	681	638
5. Mean USMLE Step 1 score	240	240
6. Mean USMLE Step 2 CK score	256	247
7. Mean number of research experiences	4.3	4.7
8. Mean number of abstracts, presentations, and publications	9.8	9.0
9. Mean number of work experiences	4.5	3.9
10. Mean number of volunteer experiences	9.8	7.4
11. Percentage who have a Ph.D. degree	0.0	0.0
12. Percentage who have another graduate degree	32.4	29.6

Source: NRMP Data Warehouse.

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

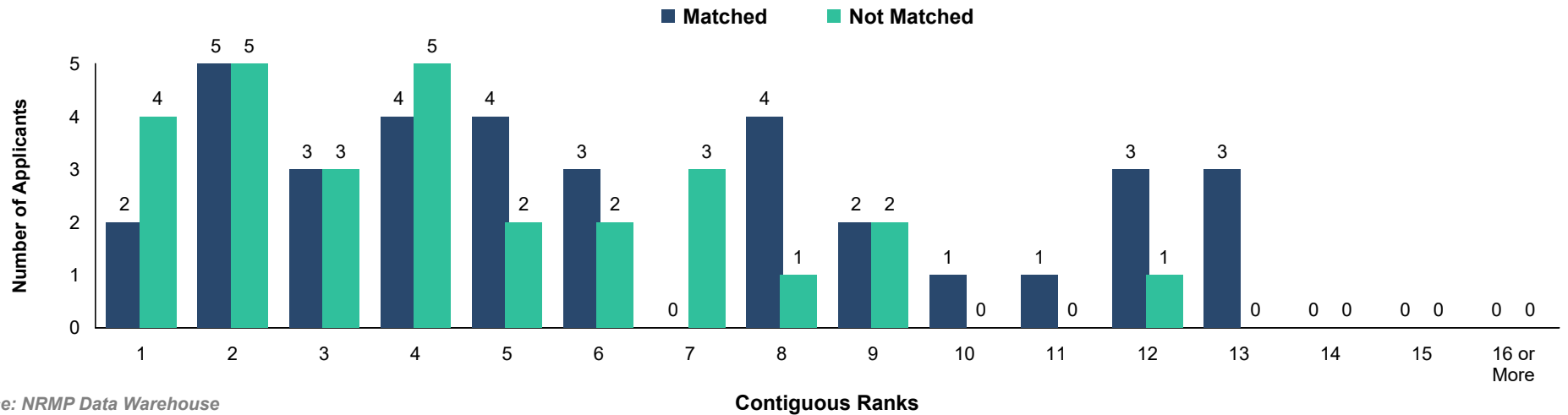
**Chart  
DM-1**

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



**Chart  
DM-2**

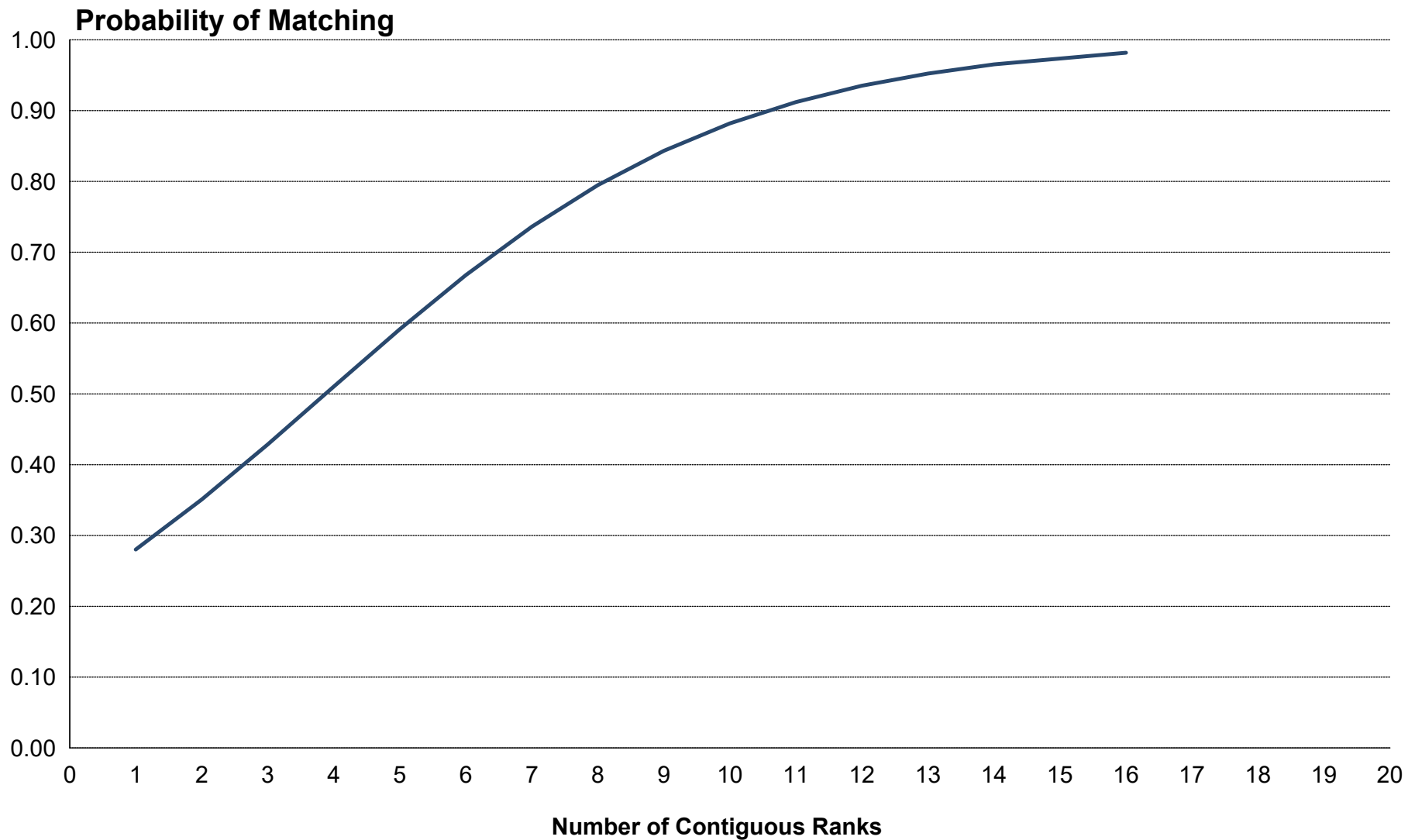
**Number of Contiguous Ranks of U.S. DO Seniors  
Dermatology**



Source: NRMP Data Warehouse

**Graph  
DM-1**

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

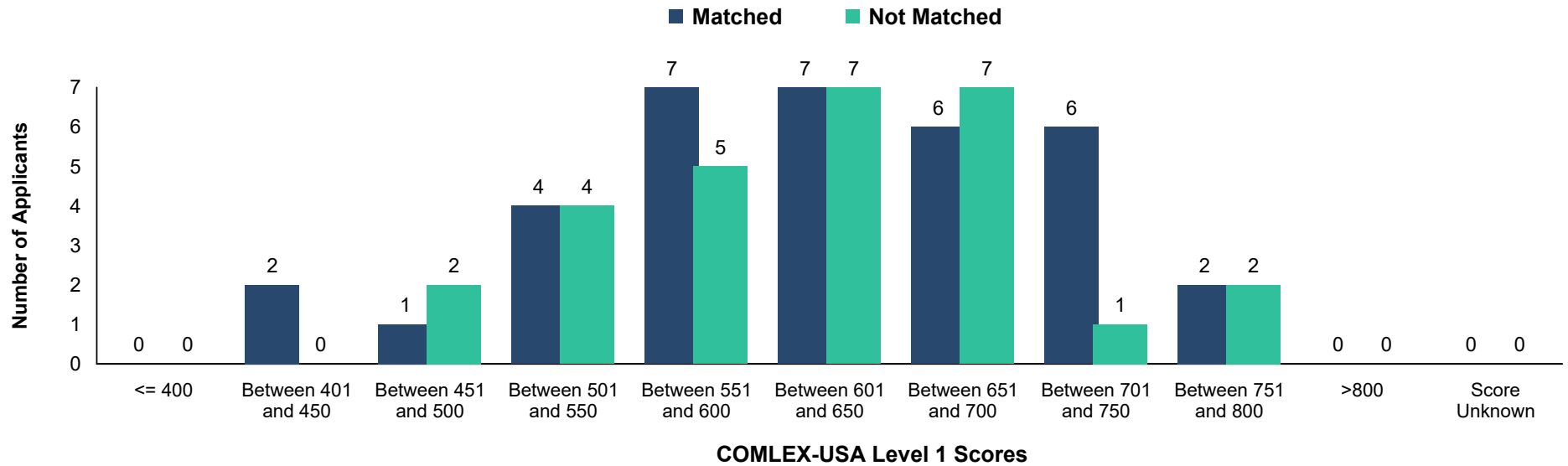


Source: NRMP Data Warehouse. Note: Probabilities calculated based on 2020-2022 applicants.

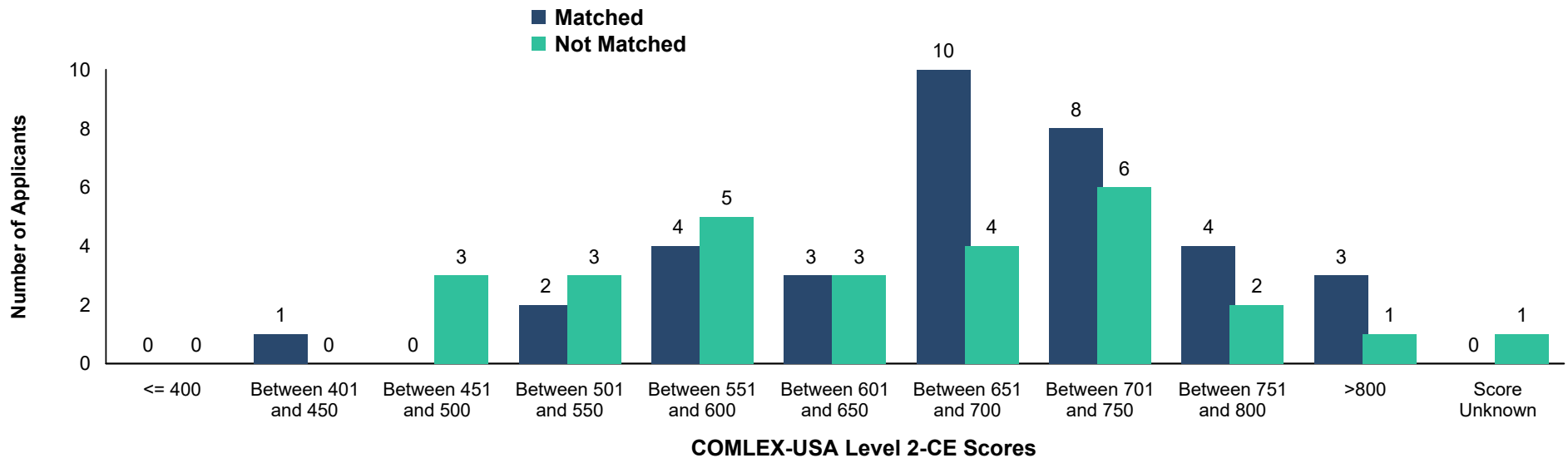


**Chart  
DM-3**

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

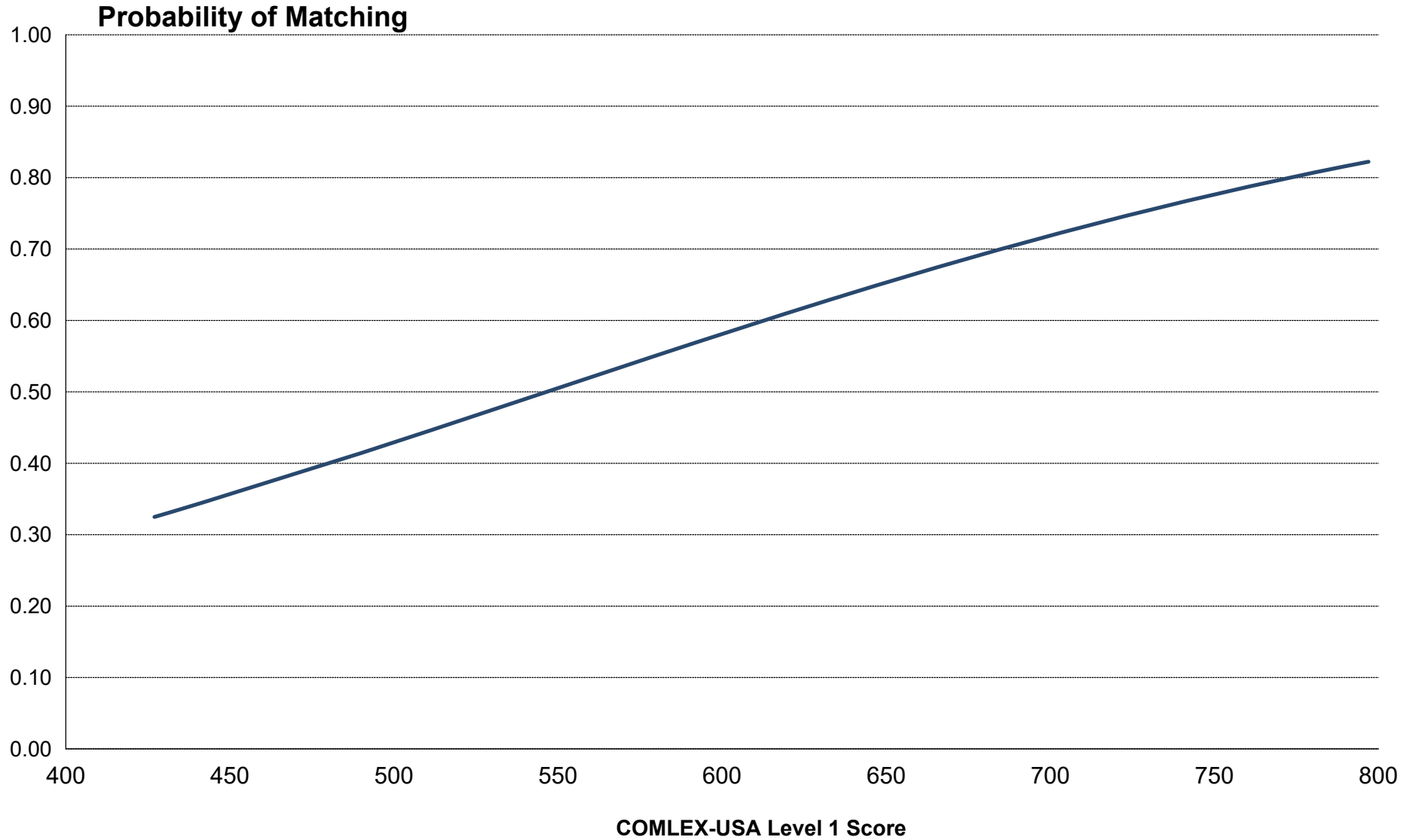


**DM-4** *Dermatology*





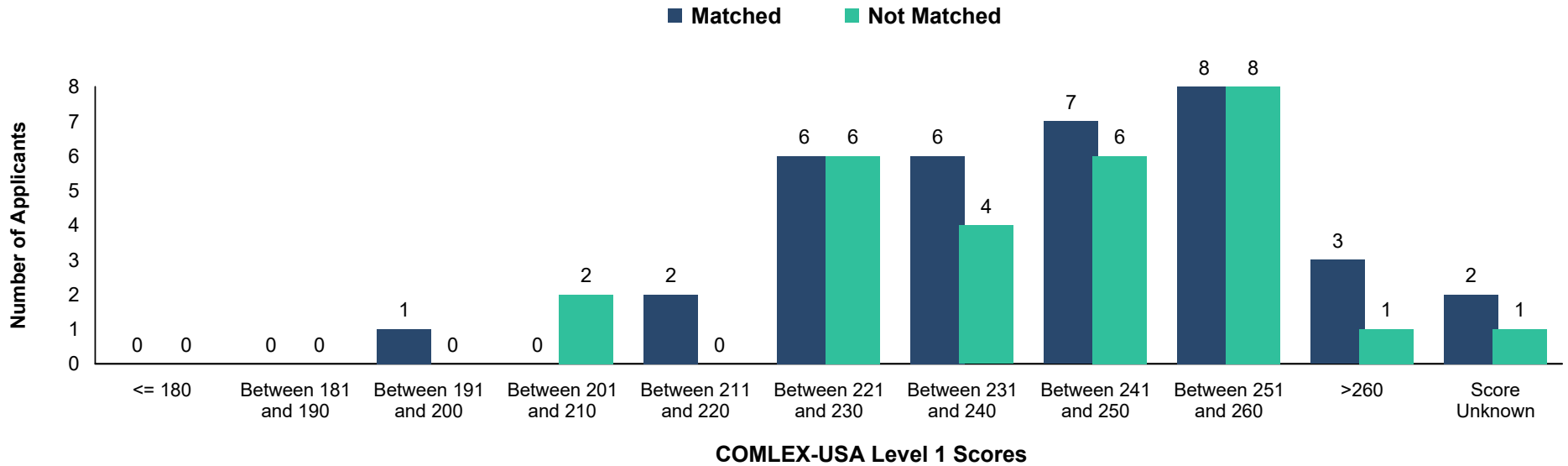
**Probability of U.S. DO Seniors Matching to Preferred Specialty by COMLEX-USA Level 1 Score**  
*Dermatology*



So

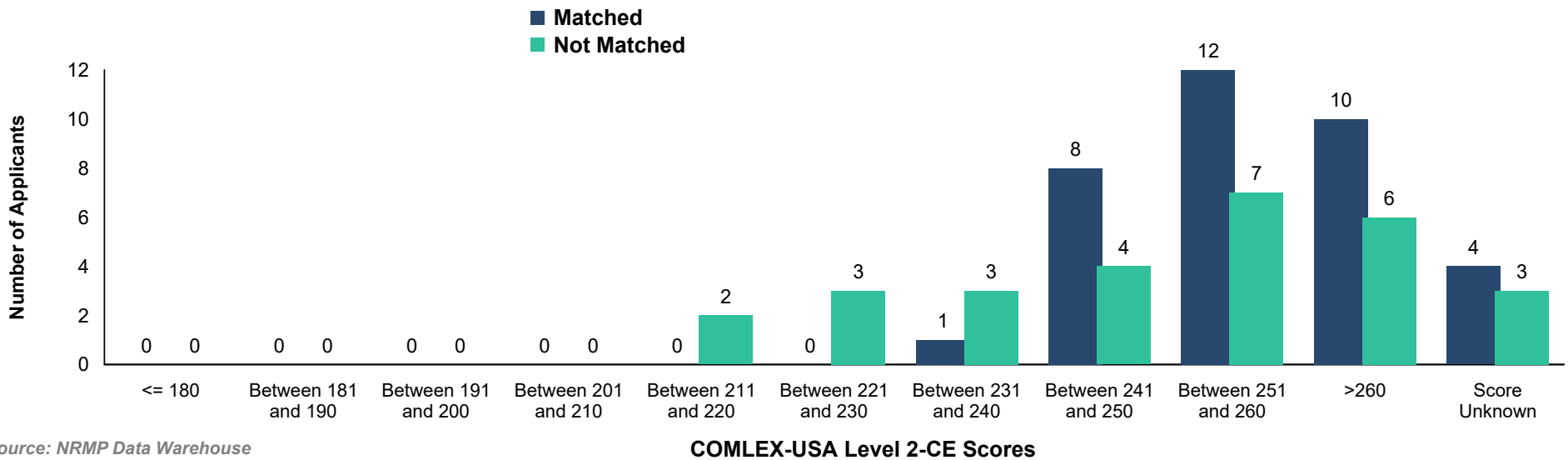
**Chart  
DM-5**

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



**Chart  
DM-6**

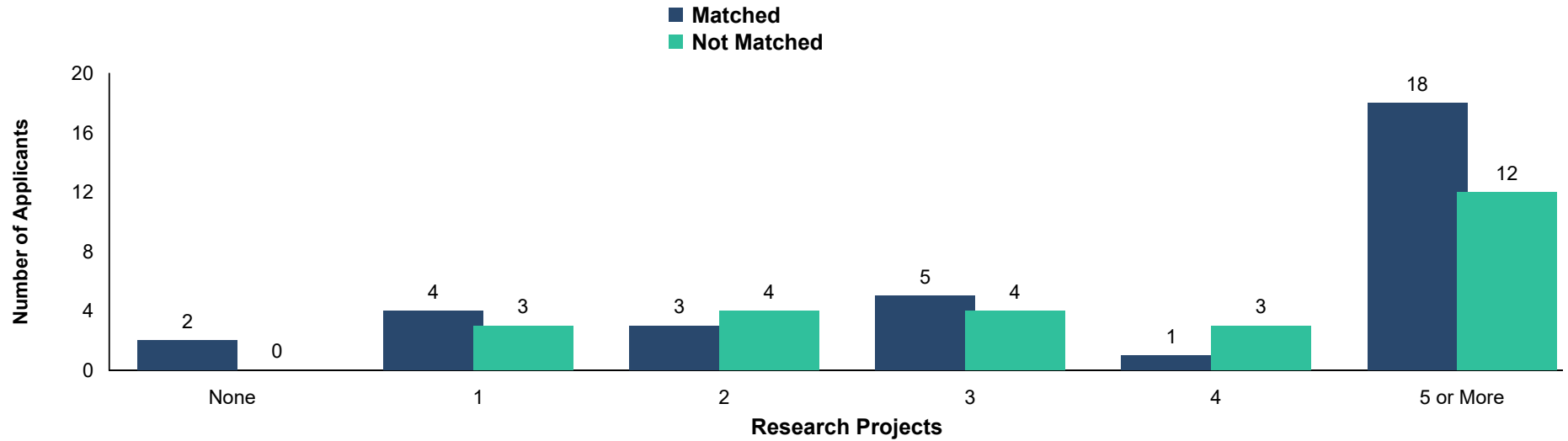
**USMLE Step 2 CK Scores of U.S. DO Seniors  
Dermatology**



Source: NRMP Data Warehouse

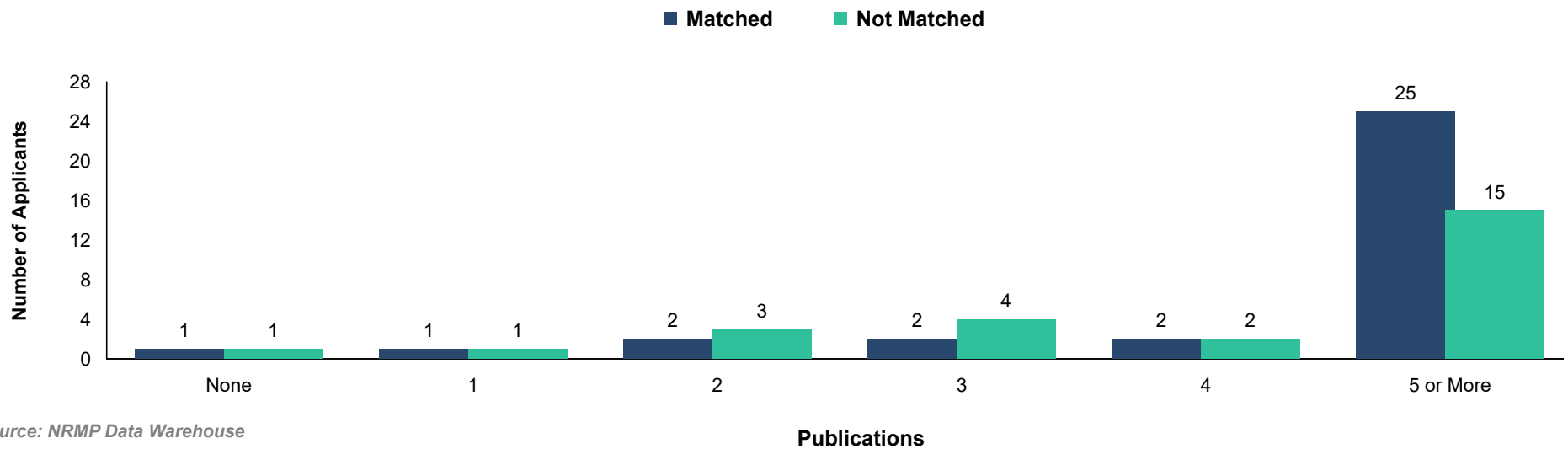
**Chart  
DM-7**

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



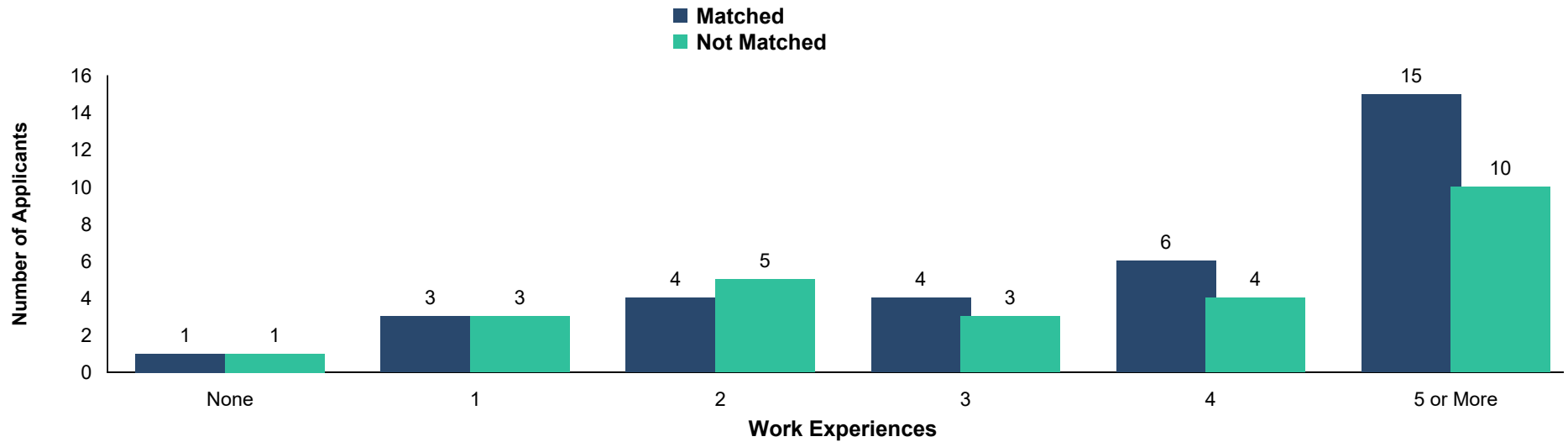
**Chart  
DM-8**

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

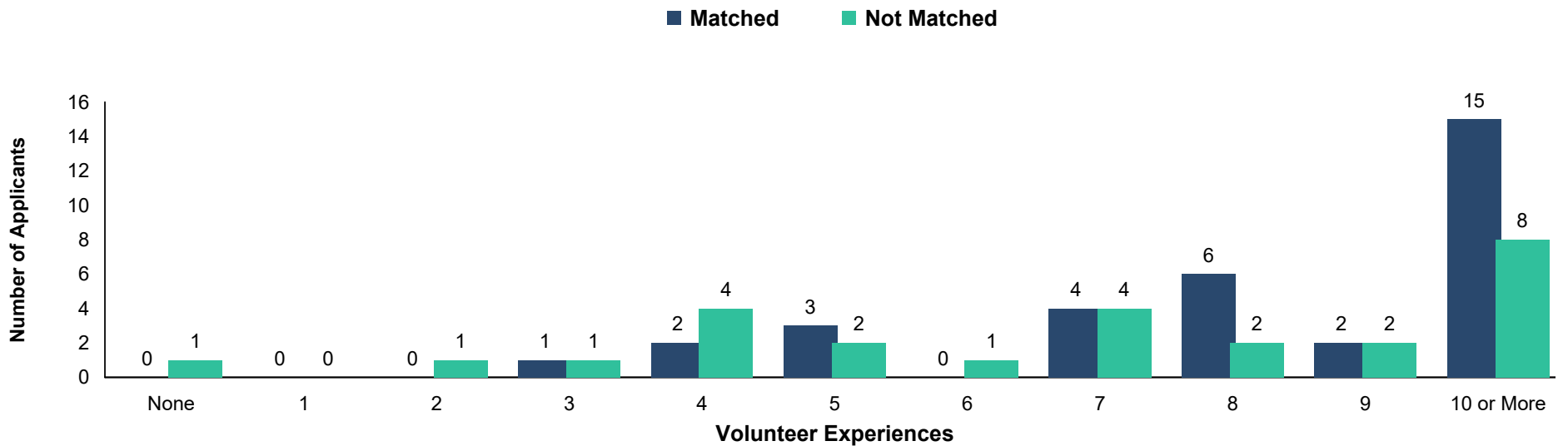


Source: NRMP Data Warehouse

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



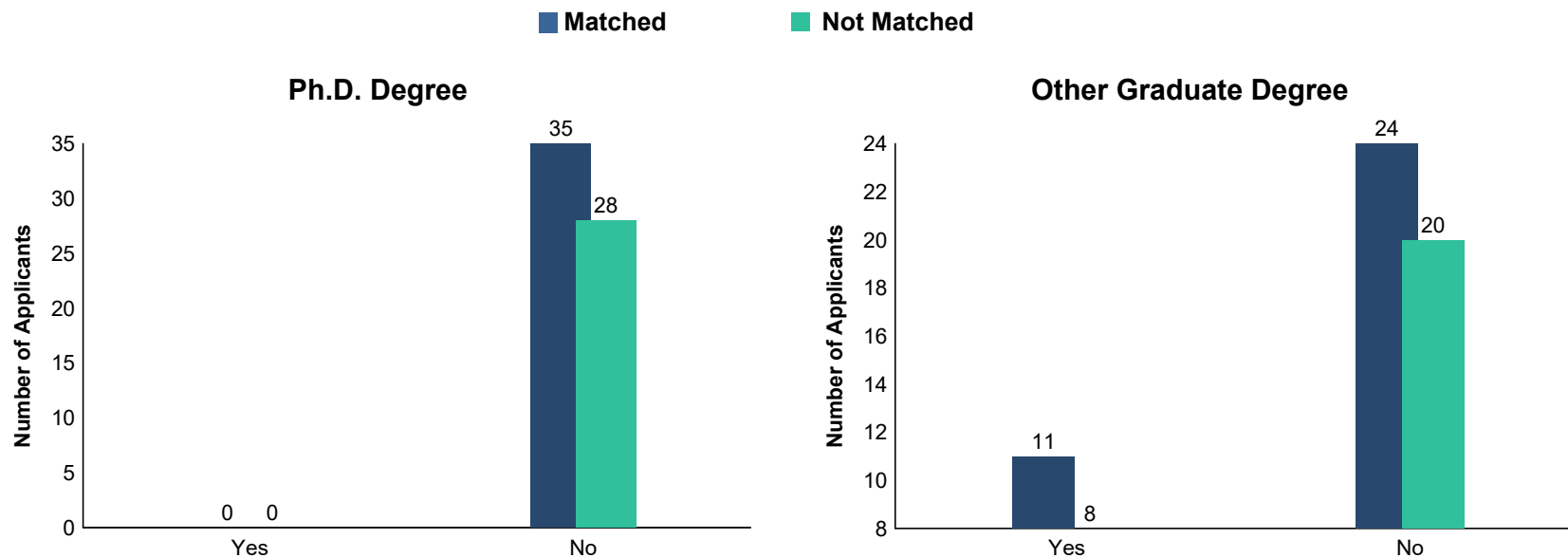
**Chart DM-10** Number of Volunteer Experiences of U.S. DO Seniors  
*Dermatology*



Source: NRMP Data Warehouse

**Chart  
DM-11**

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



Source: NRMP Data Warehouse.

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**DR** Diagnostic Radiology



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

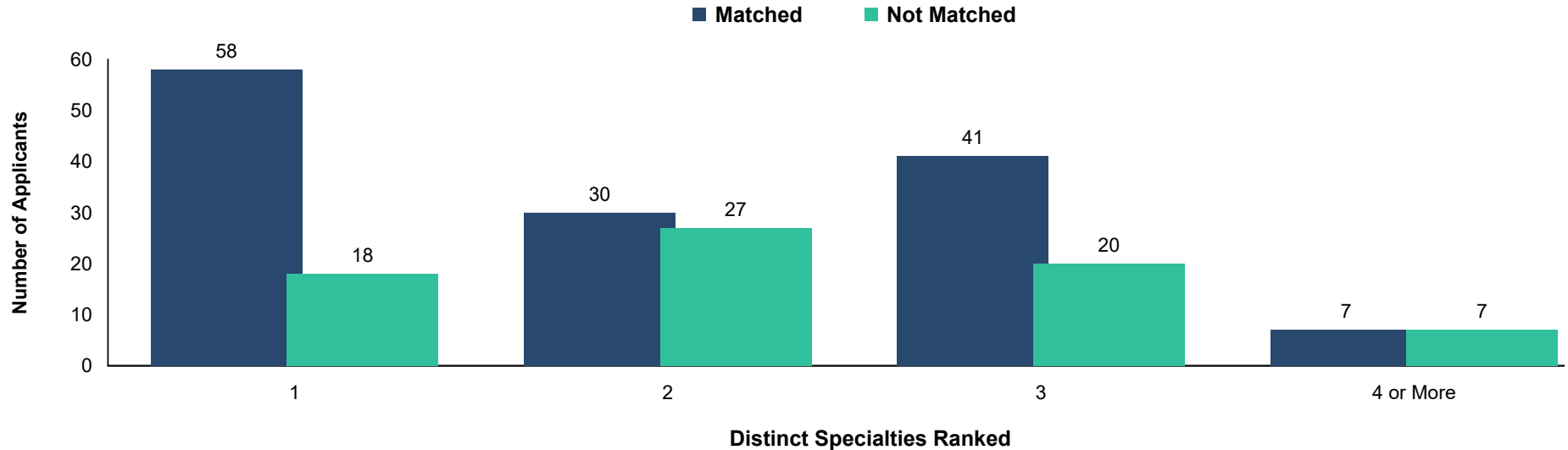
Measure	Matched (n=139)	Unmatched (n=75)
1. Mean number of contiguous ranks	10.3	5.9
2. Mean number of distinct specialties ranked	2.1	2.3
3. Mean COMLEX-USA Level 1 score	625	562
4. Mean COMLEX-USA Level 2-CE score	661	562
5. Mean USMLE Step 1 score	242	232
6. Mean USMLE Step 2 CK score	250	236
7. Mean number of research experiences	2.4	2.4
8. Mean number of abstracts, presentations, and publications	3.9	3.1
9. Mean number of work experiences	3.6	3.3
10. Mean number of volunteer experiences	5.7	5.9
11. Percentage who have a Ph.D. degree	0.8	0.0
12. Percentage who have another graduate degree	21.4	29.6

Source: NRMP Data Warehouse.

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

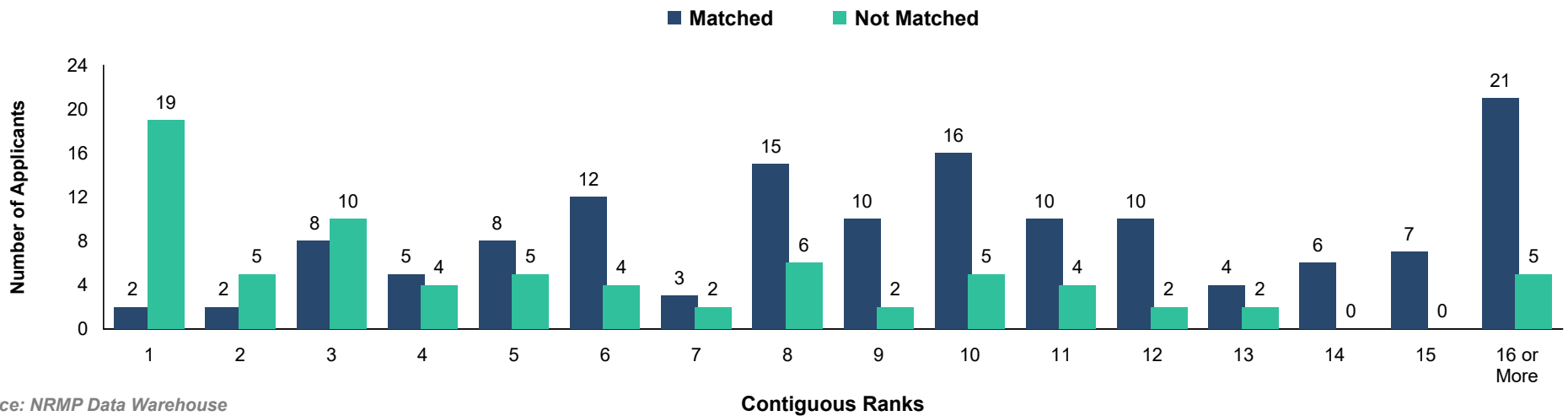
**Chart  
DR-1**

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



**Chart  
DR-2**

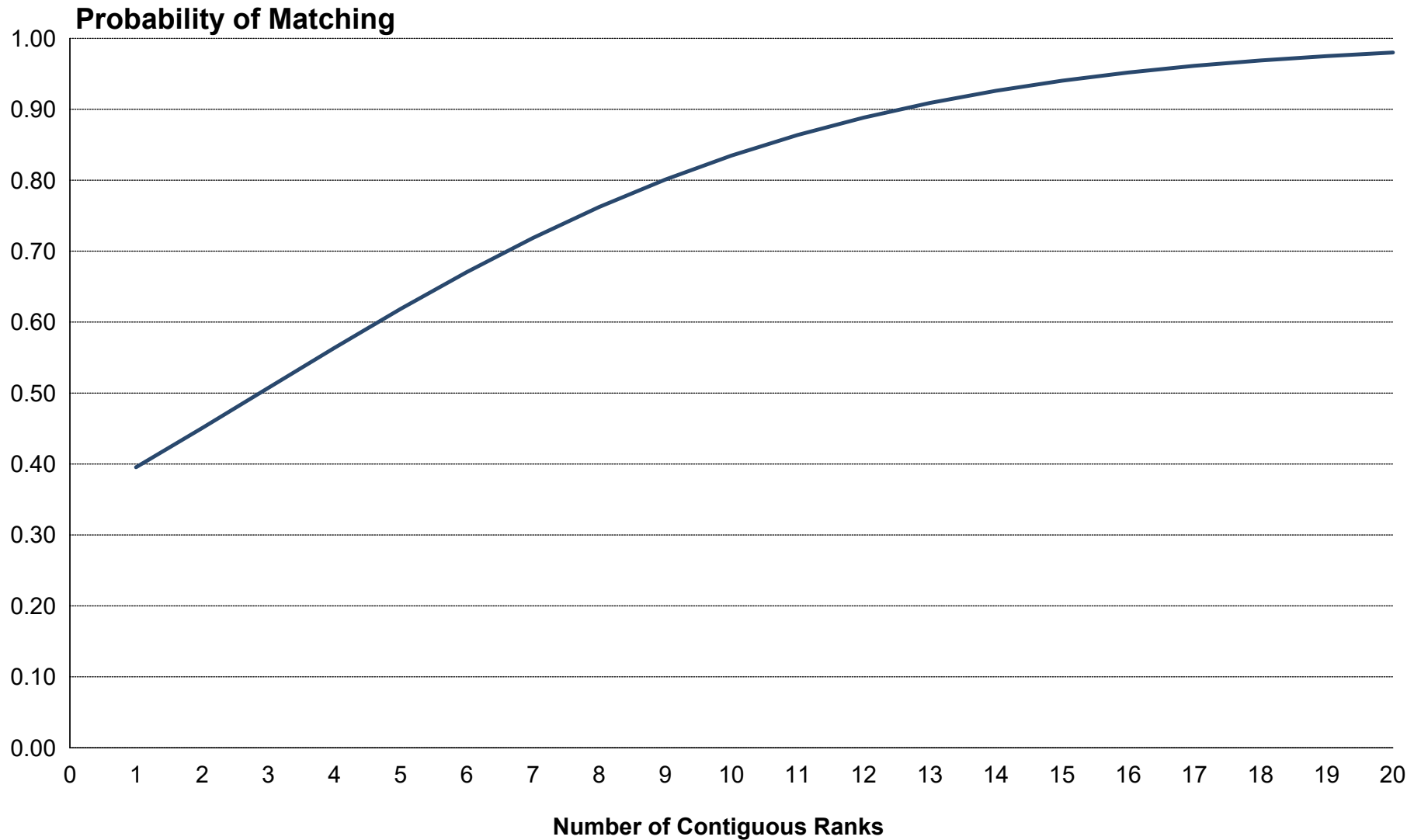
**Number of Contiguous Ranks of U.S. DO Seniors**  
*Diagnostic Radiology*



Source: NRMP Data Warehouse

**Graph  
DR-1**

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

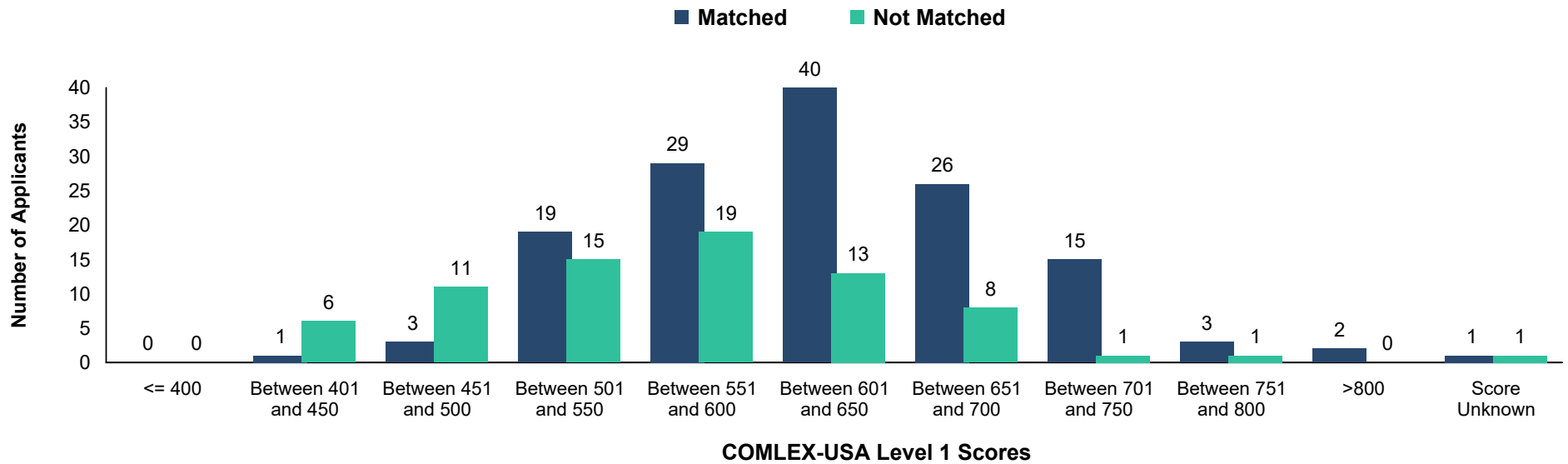


Source: NRMP Data Warehouse. Note: Probabilities calculated based on 2020-2022 applicants.

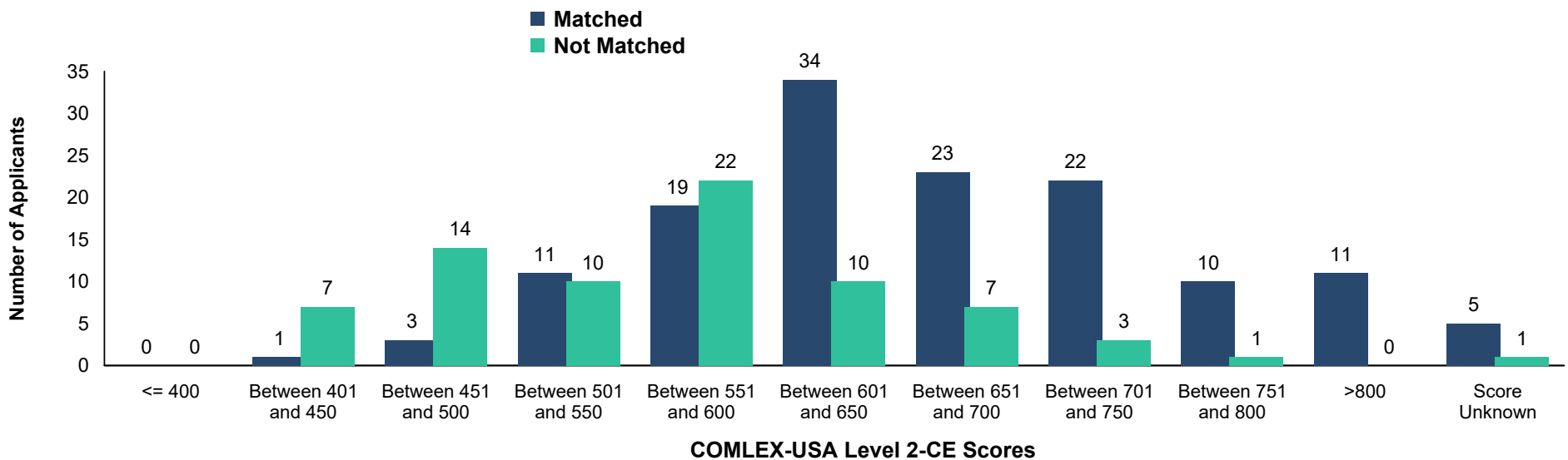
**Chart  
DR-3**

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

*Diagnostic Radiology*

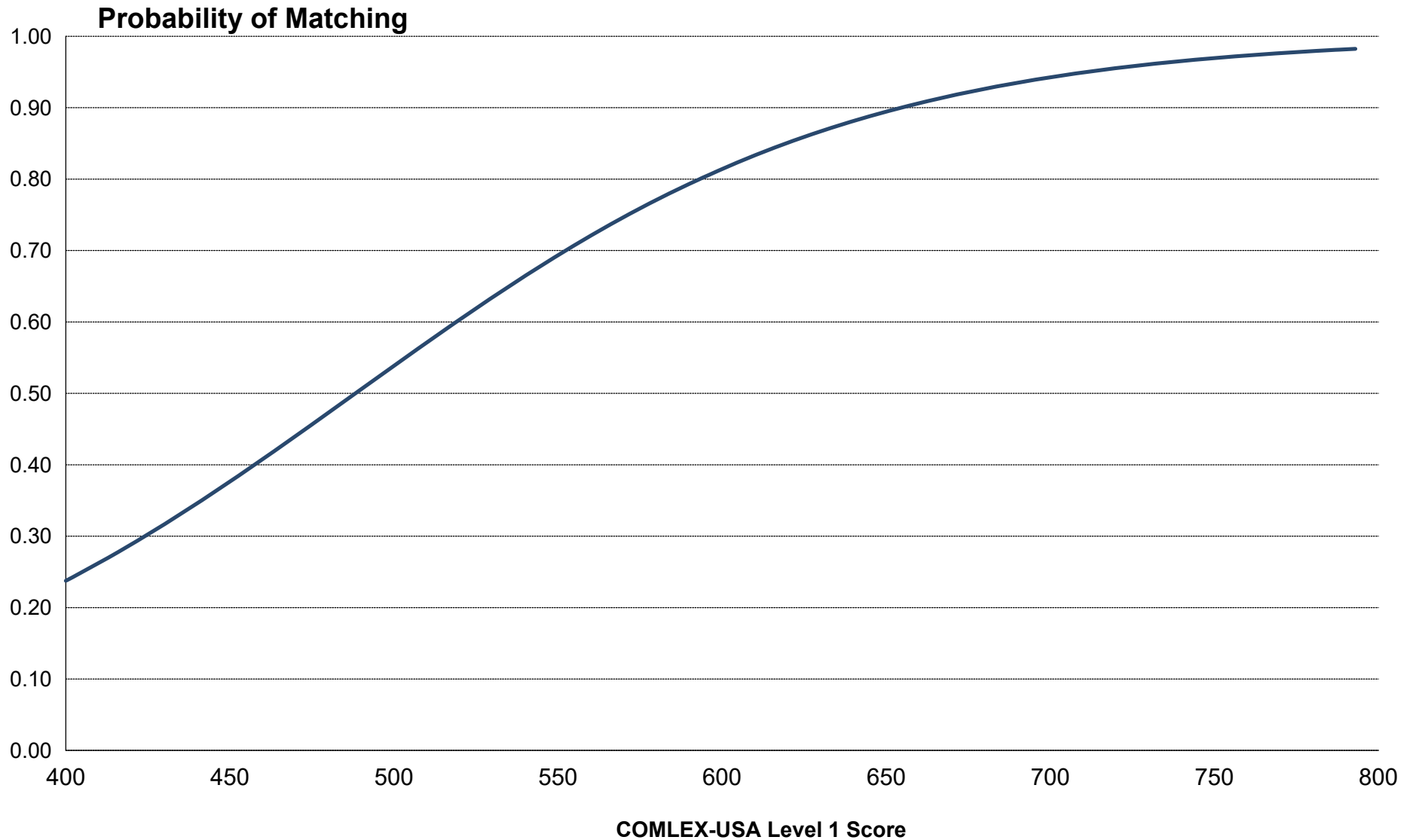


**DR-4** *Diagnostic Radiology*





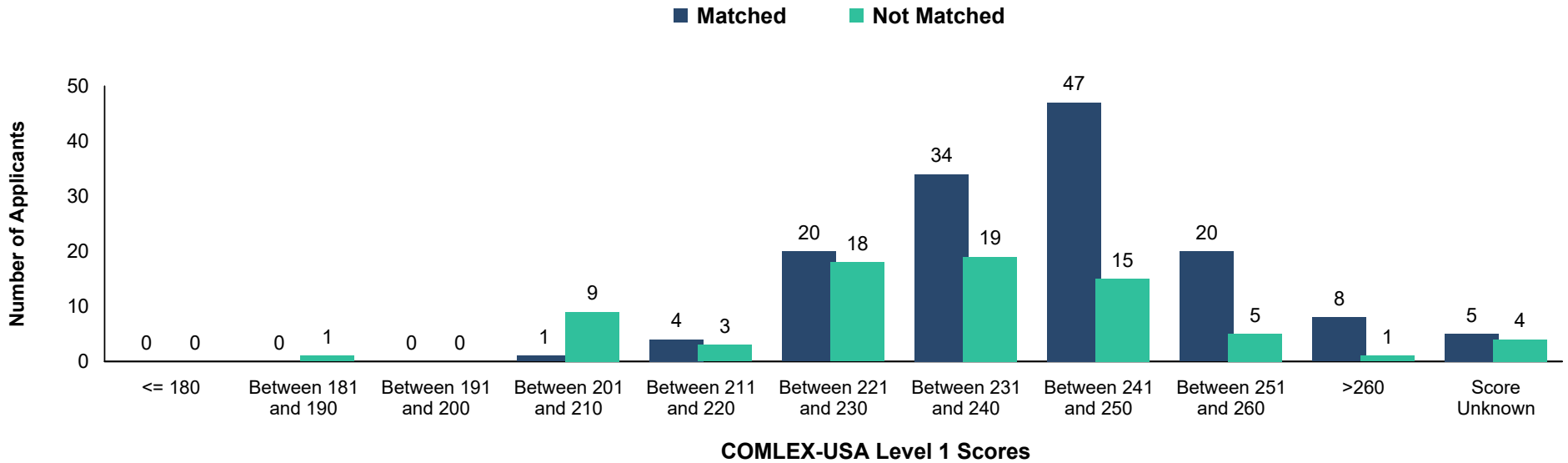
**Probability of U.S. DO Seniors Matching to Preferred Specialty by COMLEX-USA Level 1 Score**  
*Diagnostic Radiology*



So

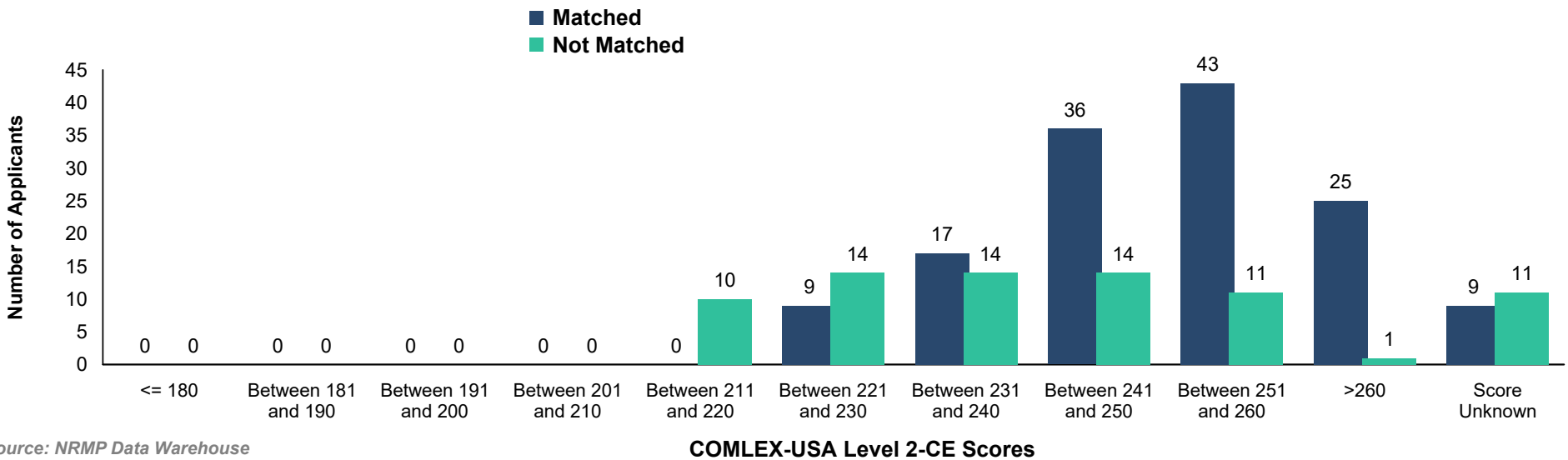
**Chart  
DR-5**

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



**Chart  
DR-6**

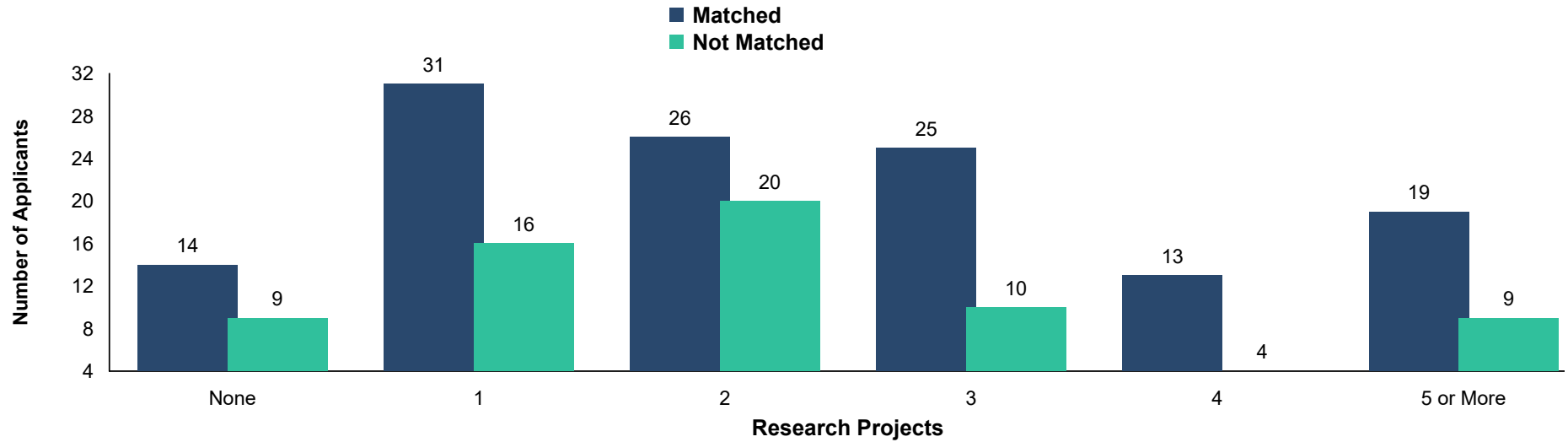
**USMLE Step 2 CK Scores of U.S. DO Seniors  
Diagnostic Radiology**



Source: NRMP Data Warehouse

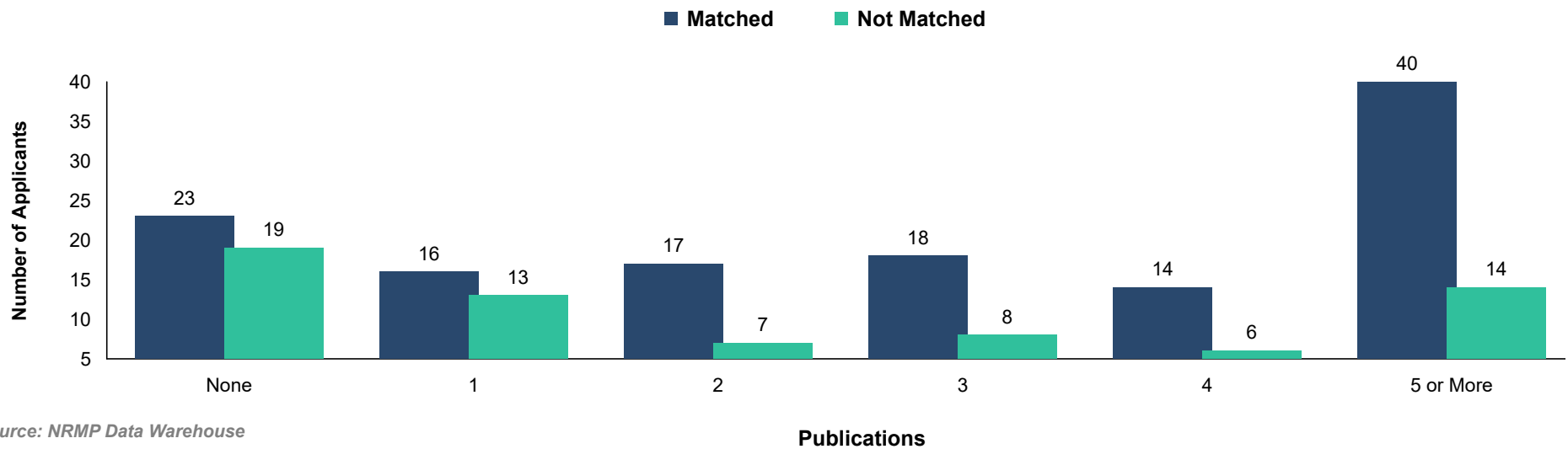
**Chart  
DR-7**

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



**Chart  
DR-8**

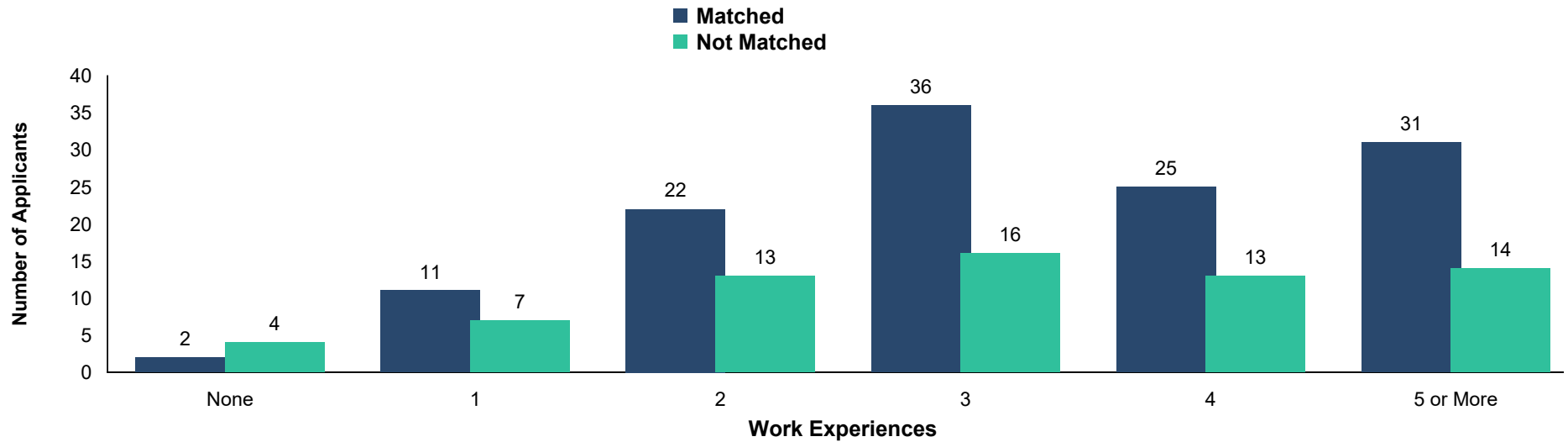
**Number of Abstracts, Presentations, and Publications of U.S. DO Seniors**  
*Diagnostic Radiology*



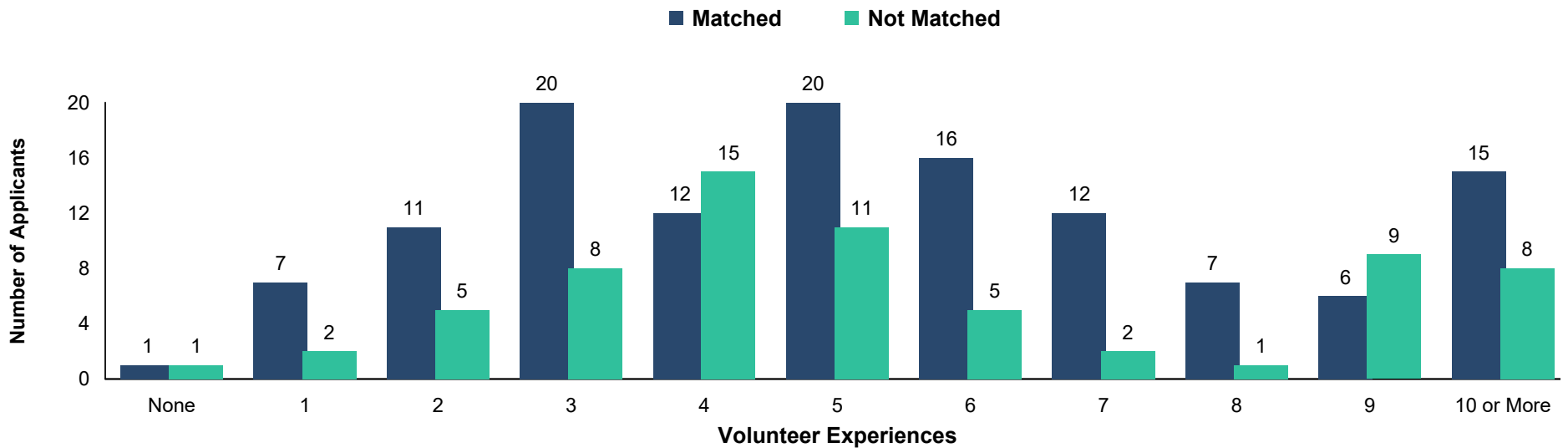
Source: NRMP Data Warehouse



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



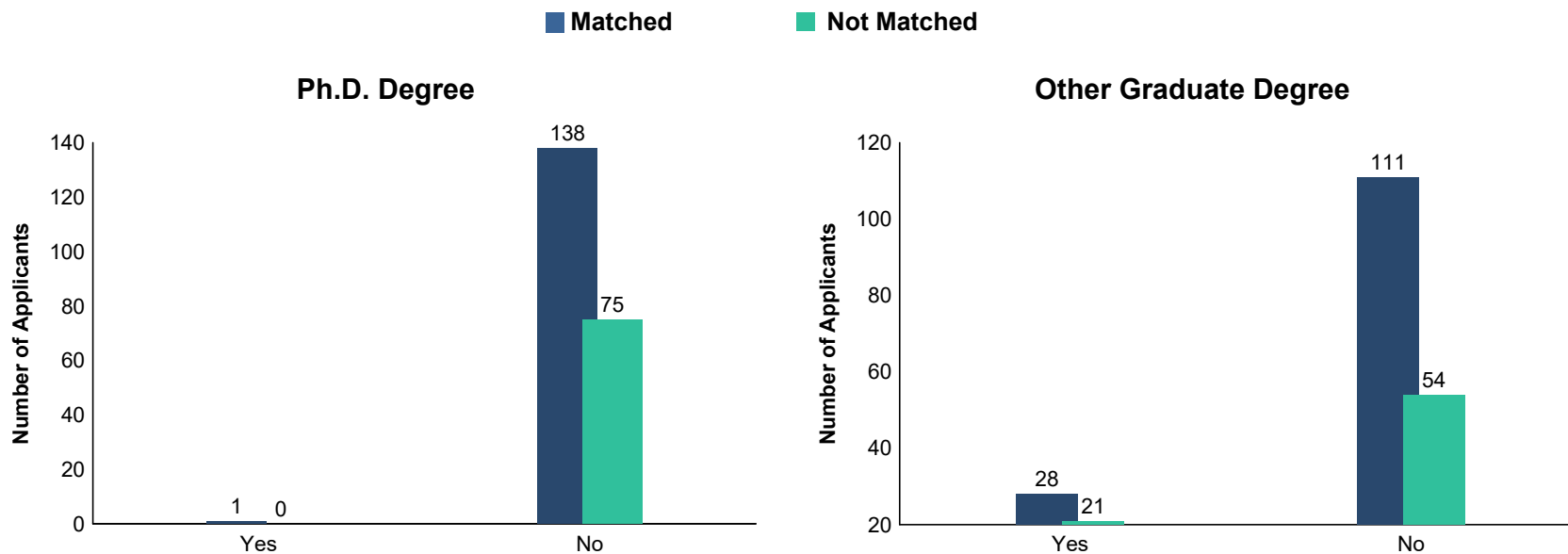
**Chart DR-10** Number of Volunteer Experiences of U.S. DO Seniors  
*Diagnostic Radiology*



Source: NRMP Data Warehouse

**Chart  
DR-11**

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



Source: NRMP Data Warehouse.

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**EM** **Emergency Medicine**

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

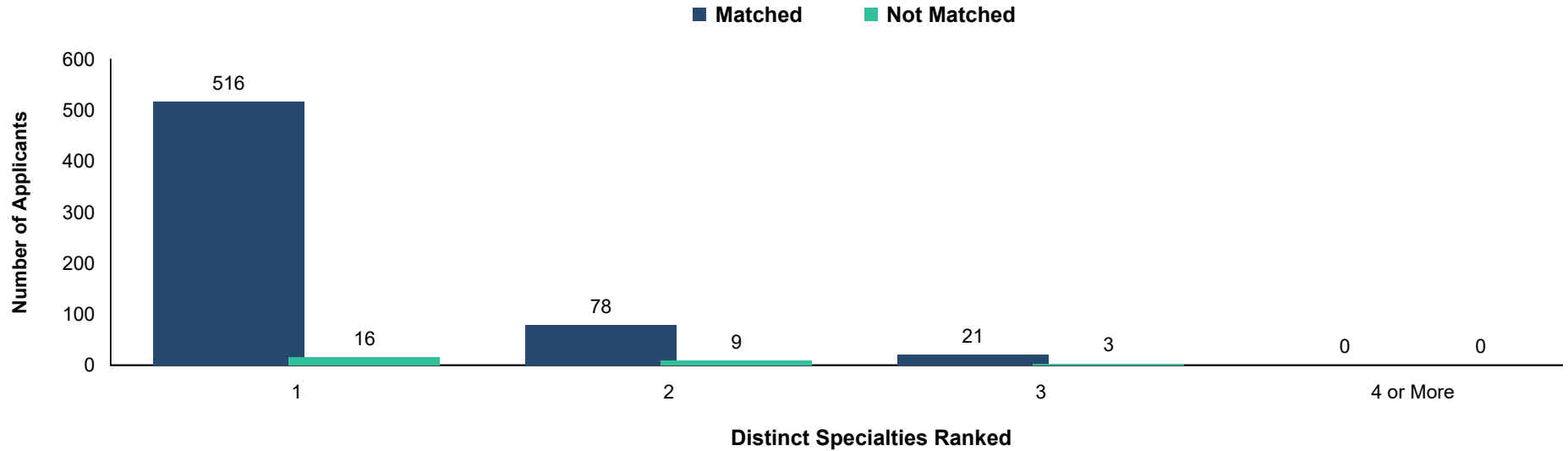
Measure	Matched (n=615)	Unmatched (n=28)
1. Mean number of contiguous ranks	12.6	3.0
2. Mean number of distinct specialties ranked	1.2	1.5
3. Mean COMLEX-USA Level 1 score	550	470
4. Mean COMLEX-USA Level 2-CE score	585	466
5. Mean USMLE Step 1 score	227	212
6. Mean USMLE Step 2 CK score	241	224
7. Mean number of research experiences	1.9	2.1
8. Mean number of abstracts, presentations, and publications	2.7	3.7
9. Mean number of work experiences	3.9	5.0
10. Mean number of volunteer experiences	7.3	6.5
11. Percentage who have a Ph.D. degree	0.2	3.6
12. Percentage who have another graduate degree	24.7	28.6

Source: NRMP Data Warehouse.

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

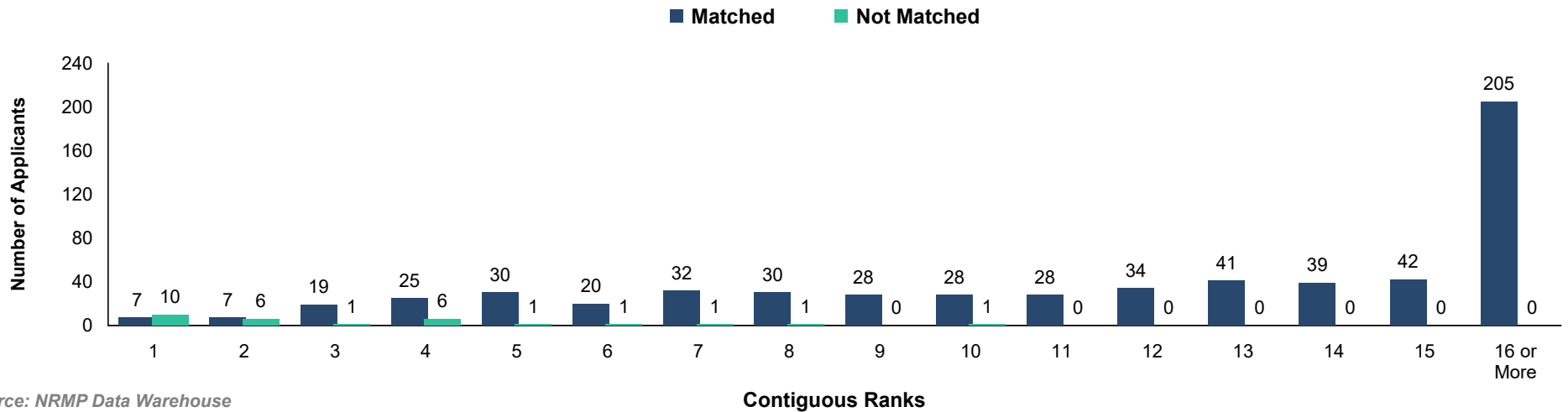
**Chart  
EM-1**

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



**Chart  
EM-2**

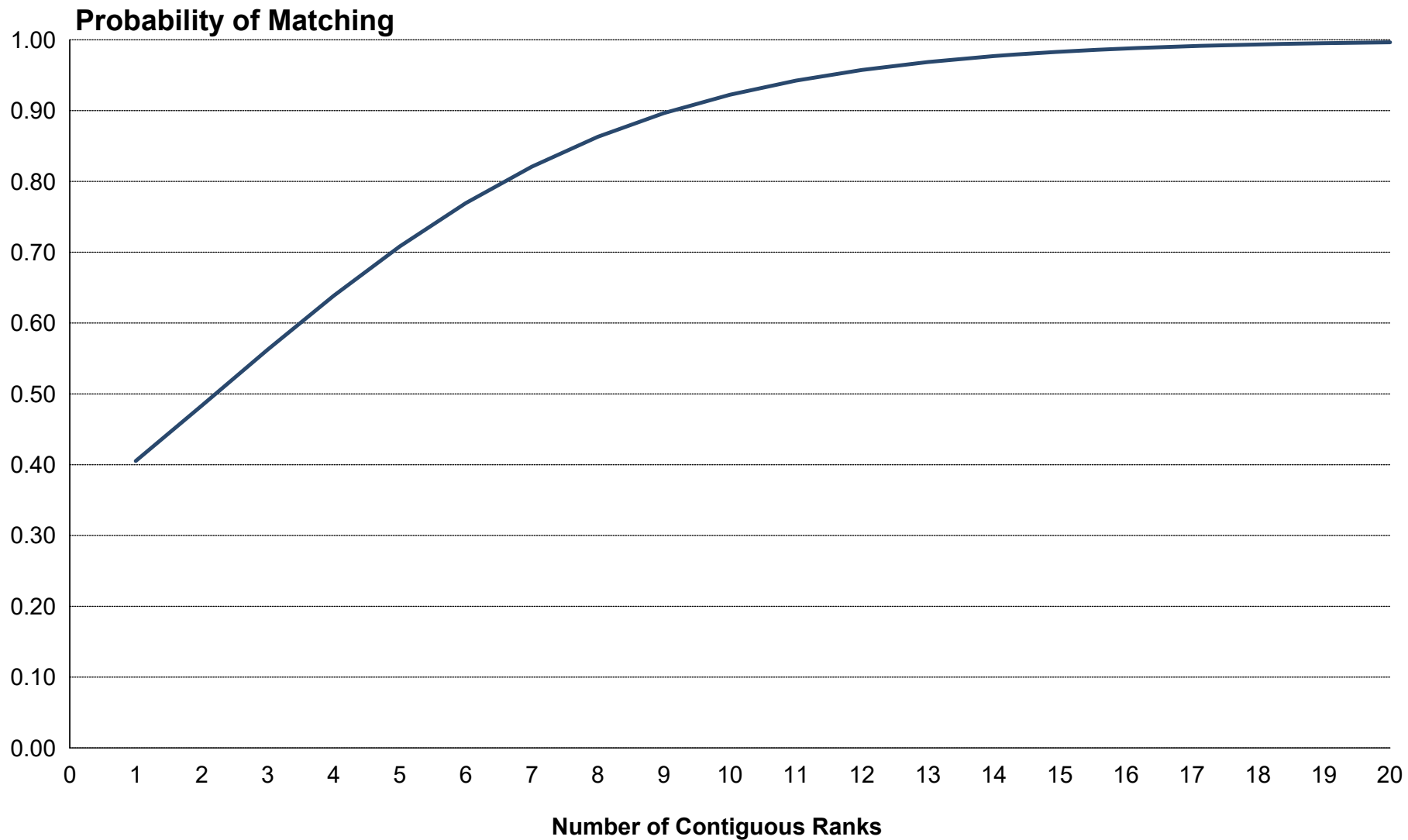
**Number of Contiguous Ranks of U.S. DO Seniors  
Emergency Medicine**



Source: NRMP Data Warehouse

**Graph  
EM-1**

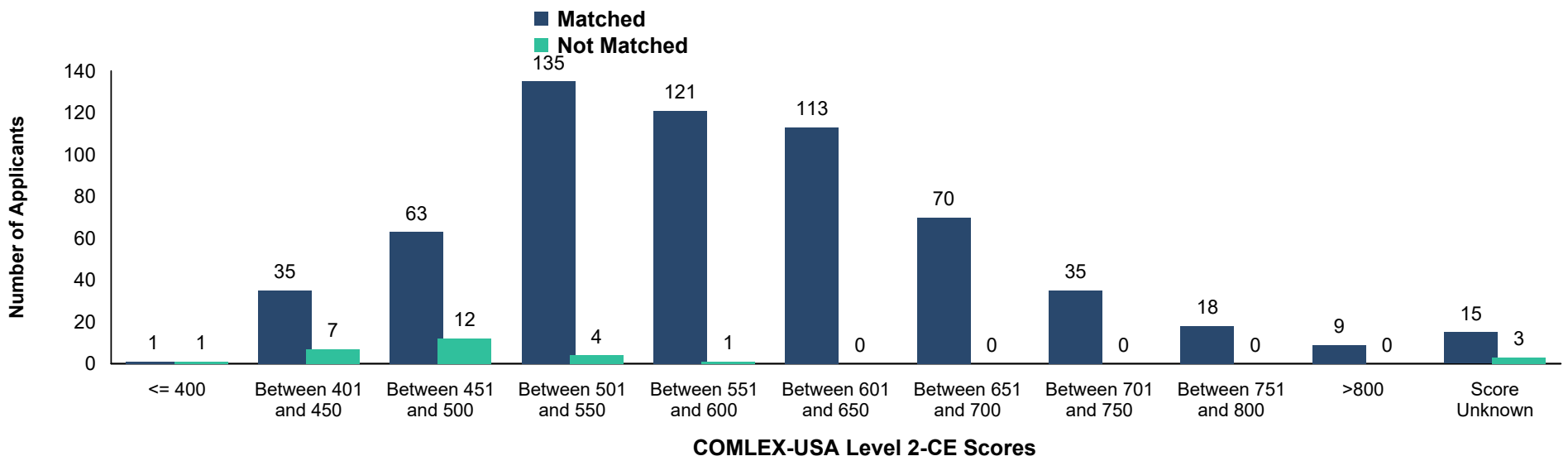
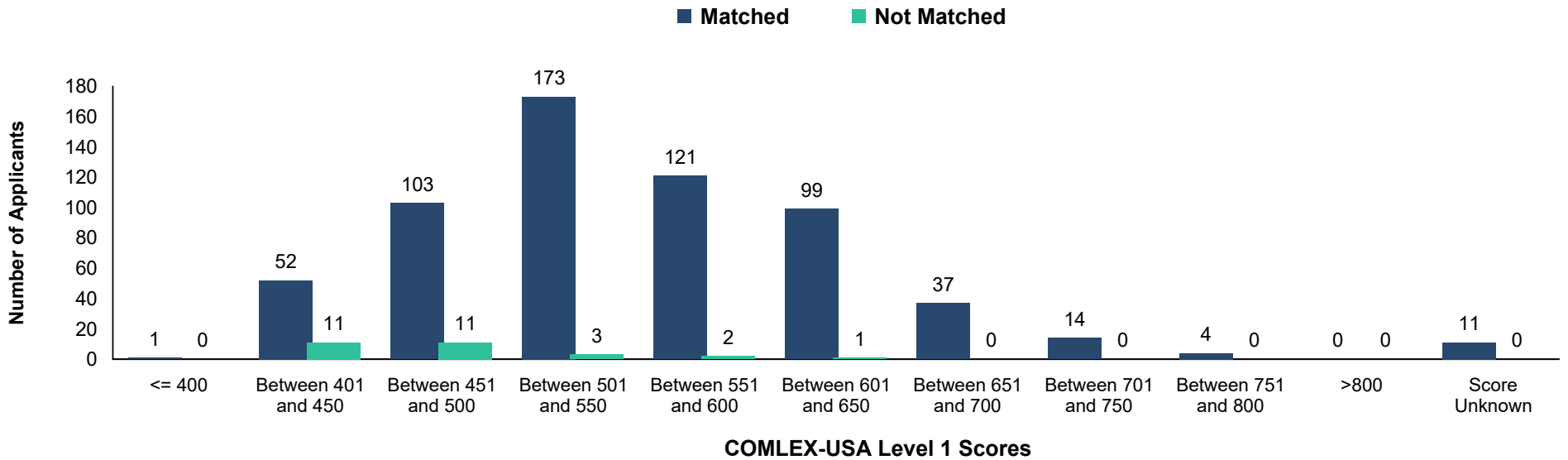
**Probability of U.S. DO Seniors Matching to Preferred Specialty by Number of Contiguous Ranks**  
*Emergency Medicine*



Source: NRMP Data Warehouse. Note: Probabilities calculated based on 2020-2022 applicants.

**Chart  
EM-3**

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

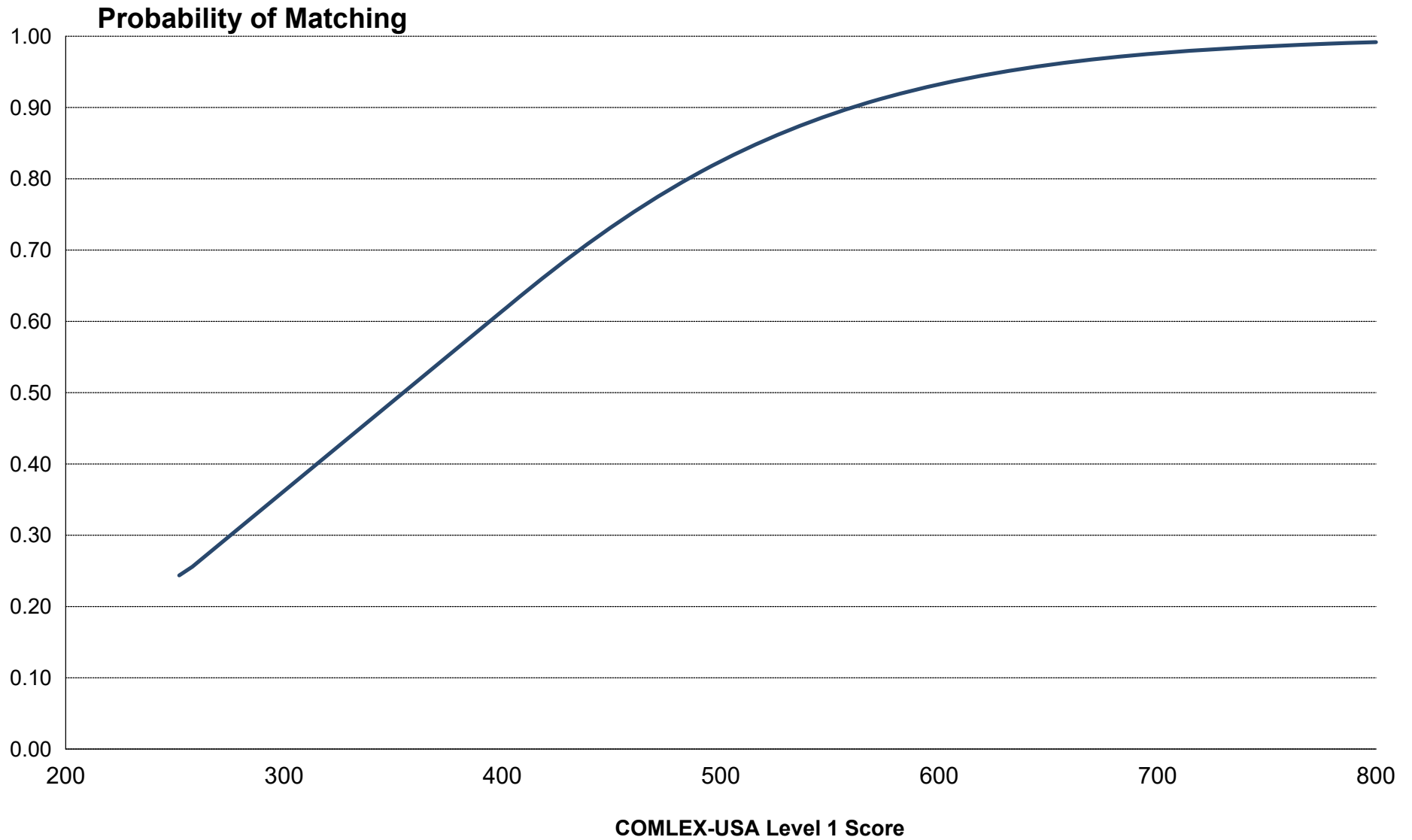






**Graph  
EM-2**

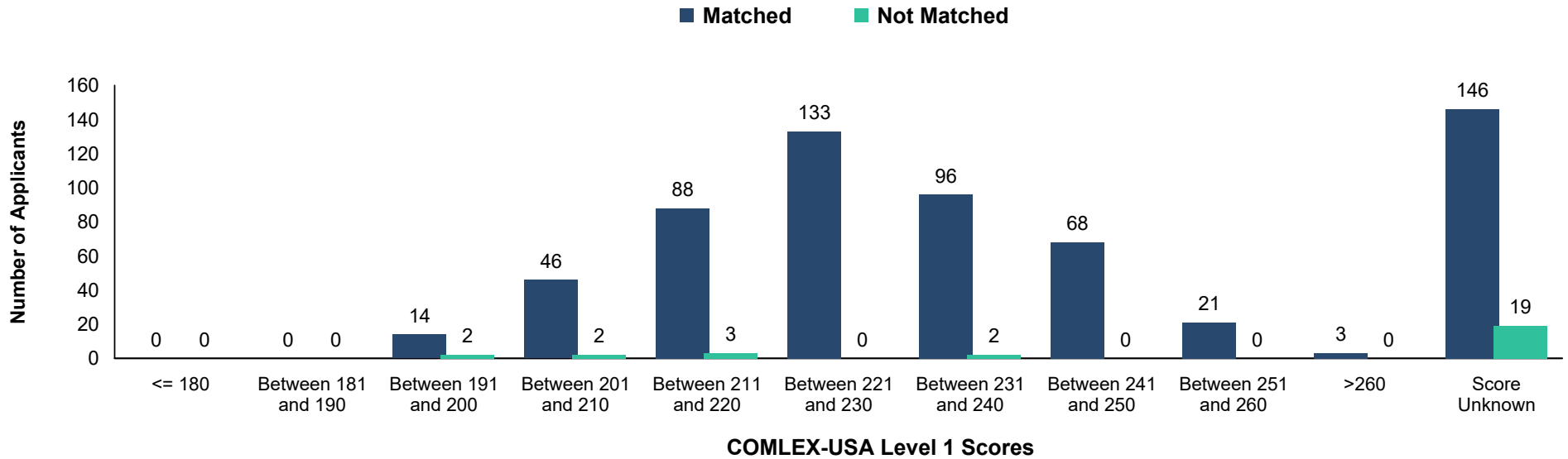
**Probability of U.S. DO Seniors Matching to Preferred Specialty by COMLEX-USA Level 1 Score**  
*Emergency Medicine*



So

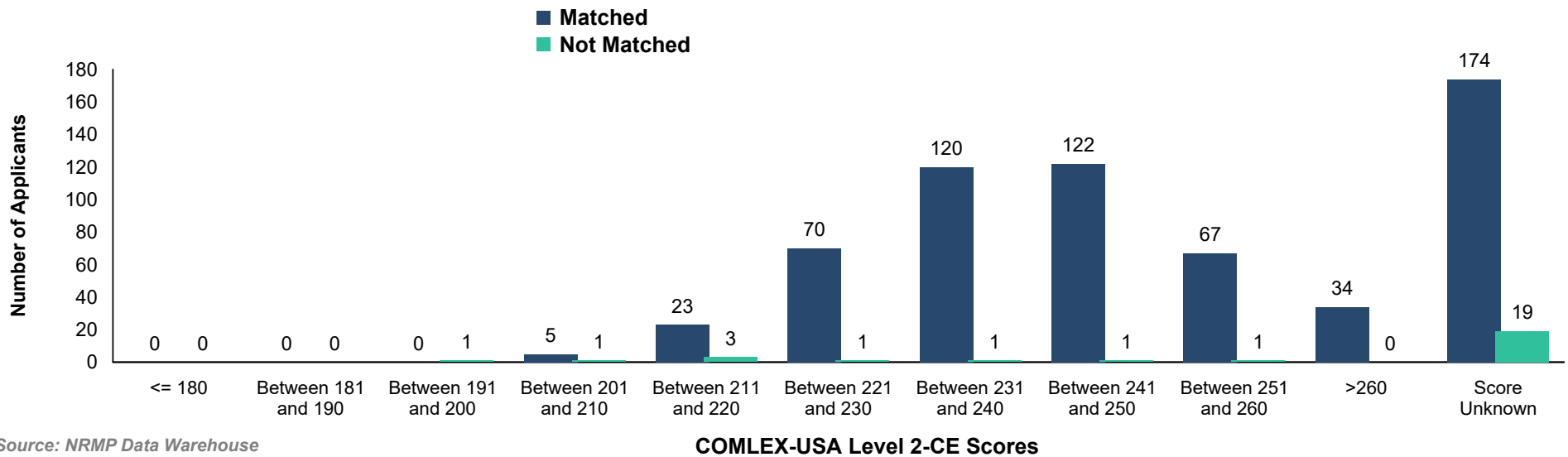
**Chart  
EM-5**

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



**Chart  
EM-6**

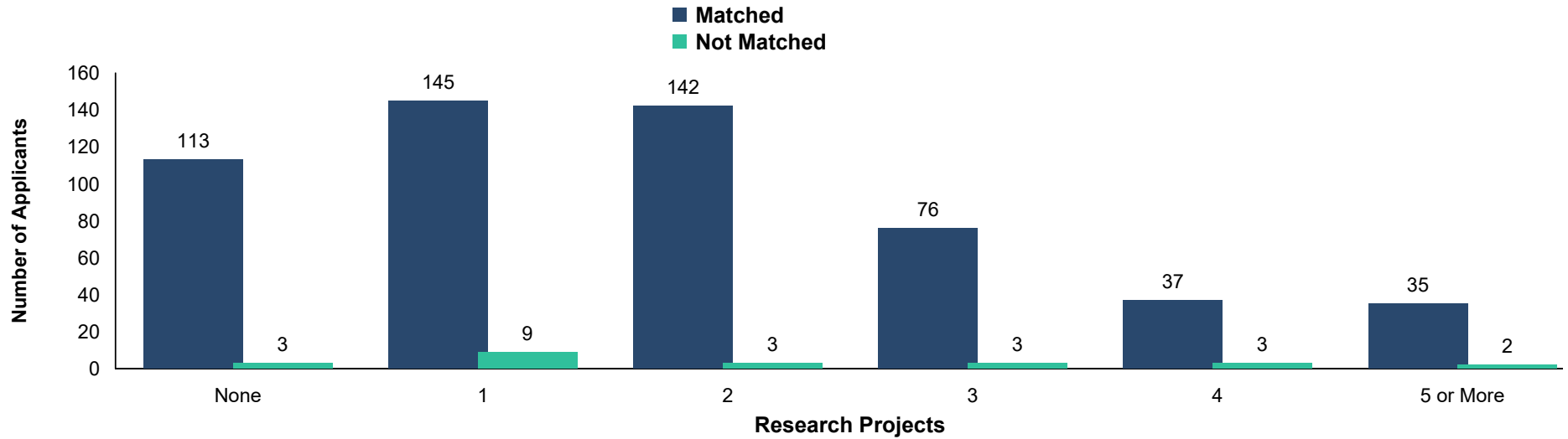
**USMLE Step 2 CK Scores of U.S. DO Seniors  
Emergency Medicine**



Source: NRMP Data Warehouse

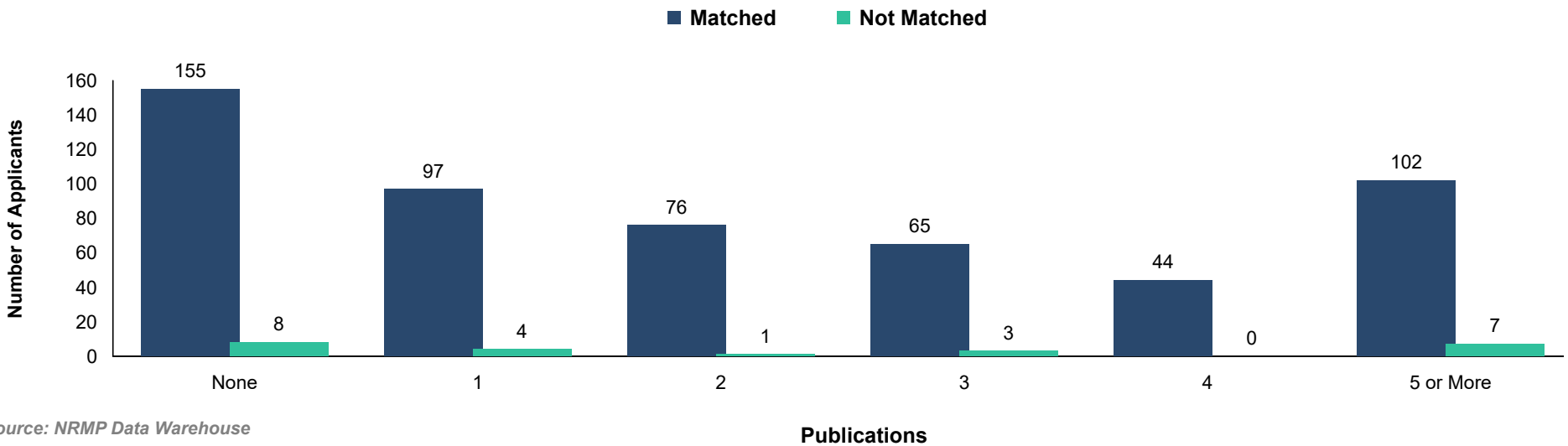
**Chart  
EM-7**

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



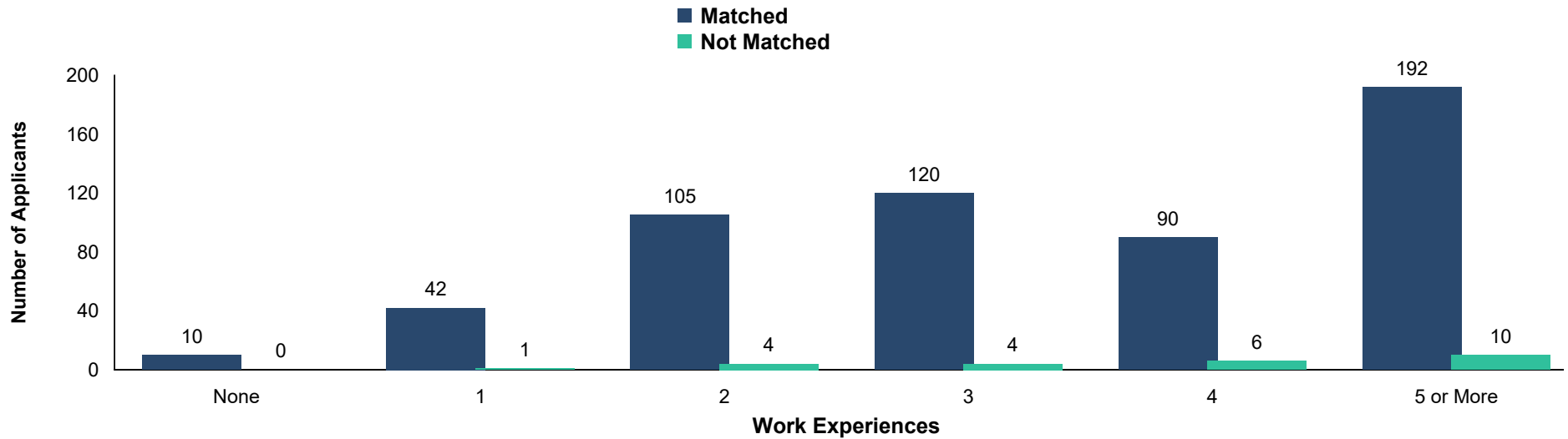
**Chart  
EM-8**

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

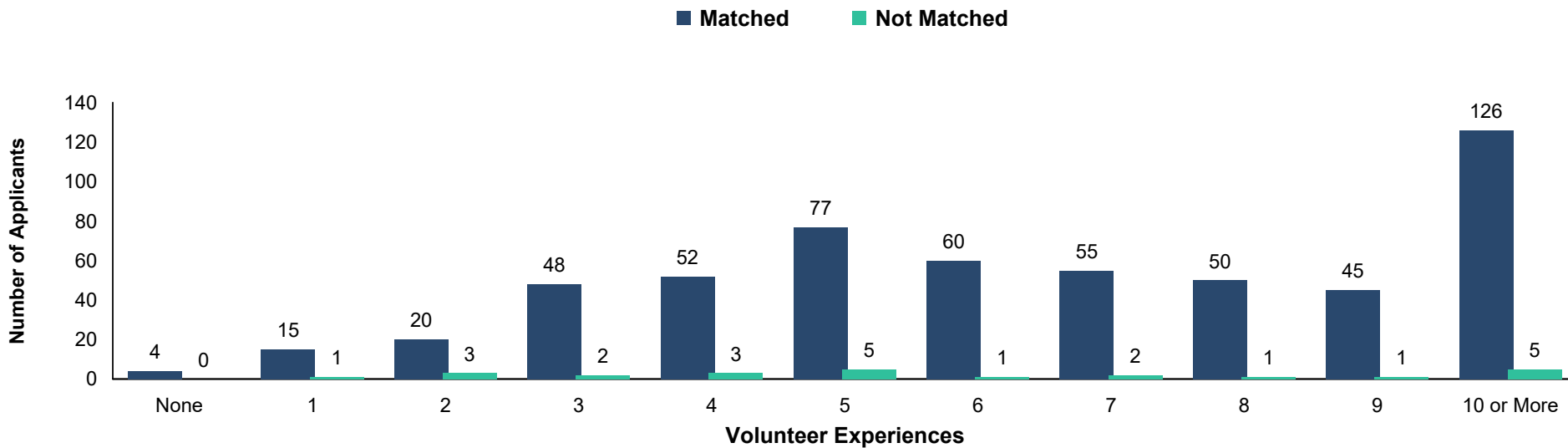


Source: NRMP Data Warehouse

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



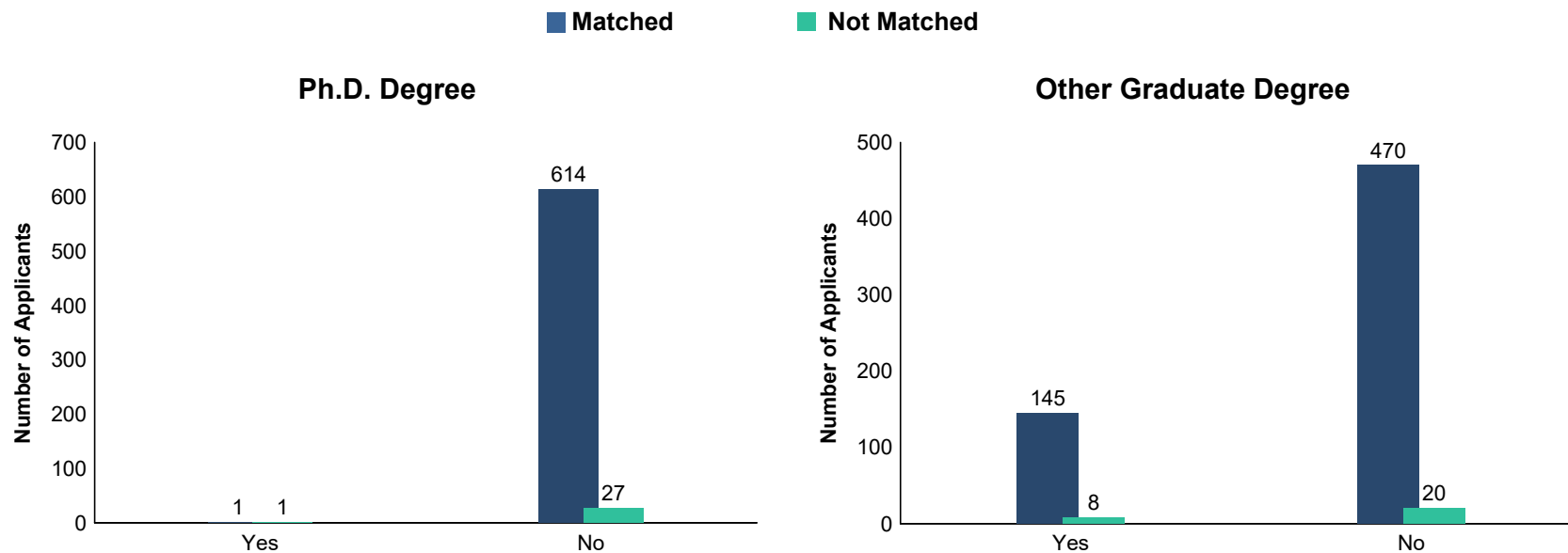
**Chart EM-10** Number of Volunteer Experiences of U.S. DO Seniors  
*Emergency Medicine*



Source: NRMP Data Warehouse

**Chart  
EM-11**

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



Source: NRMP Data Warehouse.

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**FM** Family Medicine

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

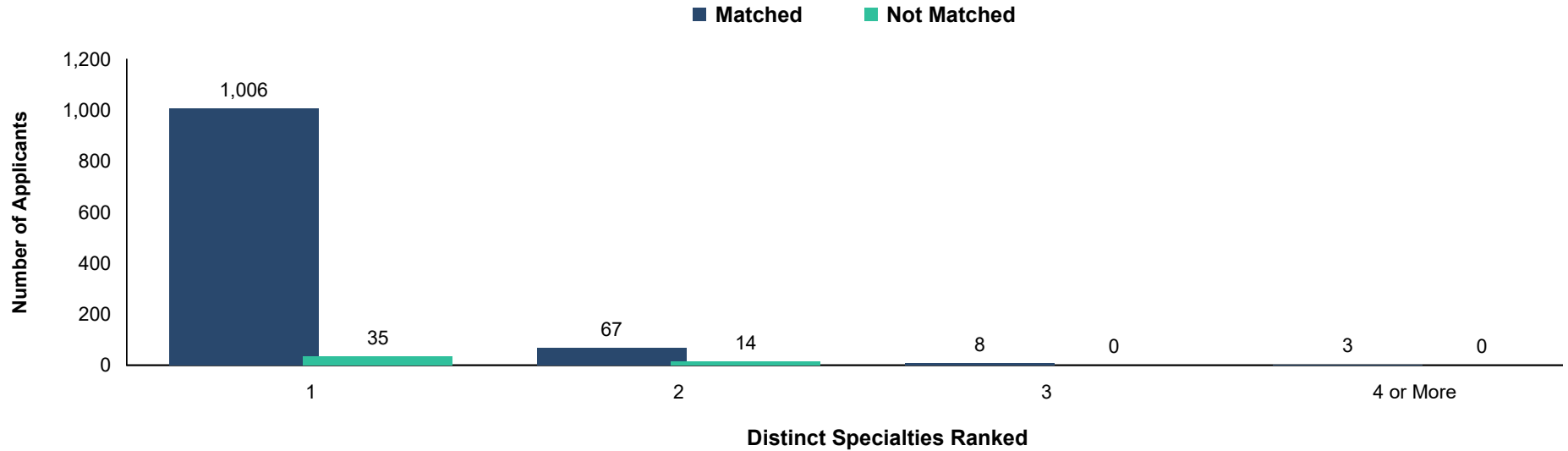
Measure	Matched (n=1,085)	Unmatched (n=49)
1. Mean number of contiguous ranks	13.8	3.7
2. Mean number of distinct specialties ranked	1.1	1.3
3. Mean COMLEX-USA Level 1 score	500	465
4. Mean COMLEX-USA Level 2-CE score	526	465
5. Mean USMLE Step 1 score	218	214
6. Mean USMLE Step 2 CK score	234	212
7. Mean number of research experiences	1.7	1.8
8. Mean number of abstracts, presentations, and publications	2.3	2.8
9. Mean number of work experiences	3.4	3.1
10. Mean number of volunteer experiences	7.0	4.8
11. Percentage who have a Ph.D. degree	0.2	0.0
12. Percentage who have another graduate degree	21.9	35.6

Source: NRMP Data Warehouse.

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

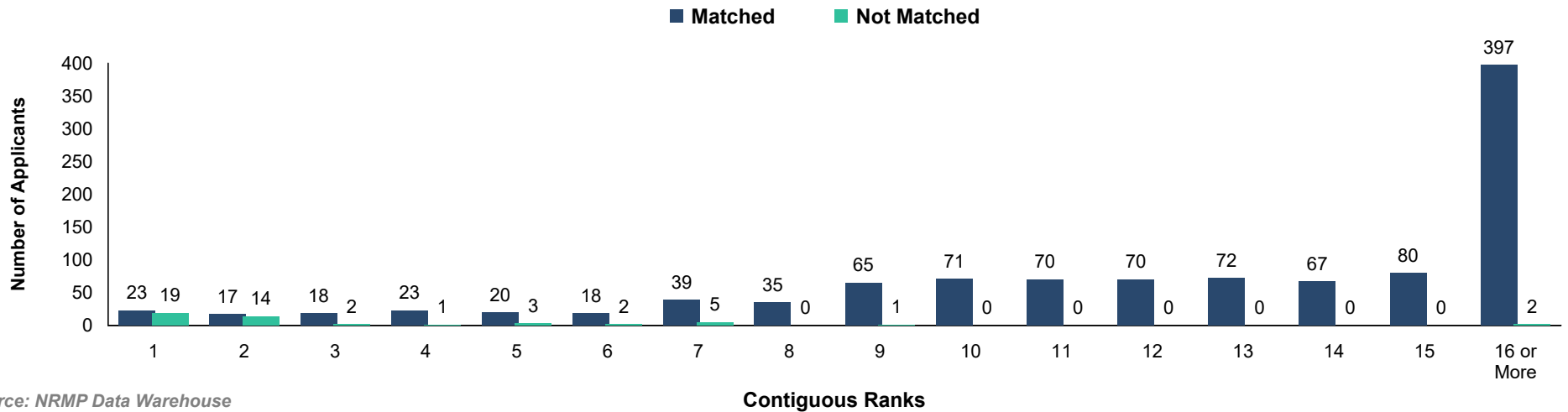
**Chart  
FM-1**

**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**

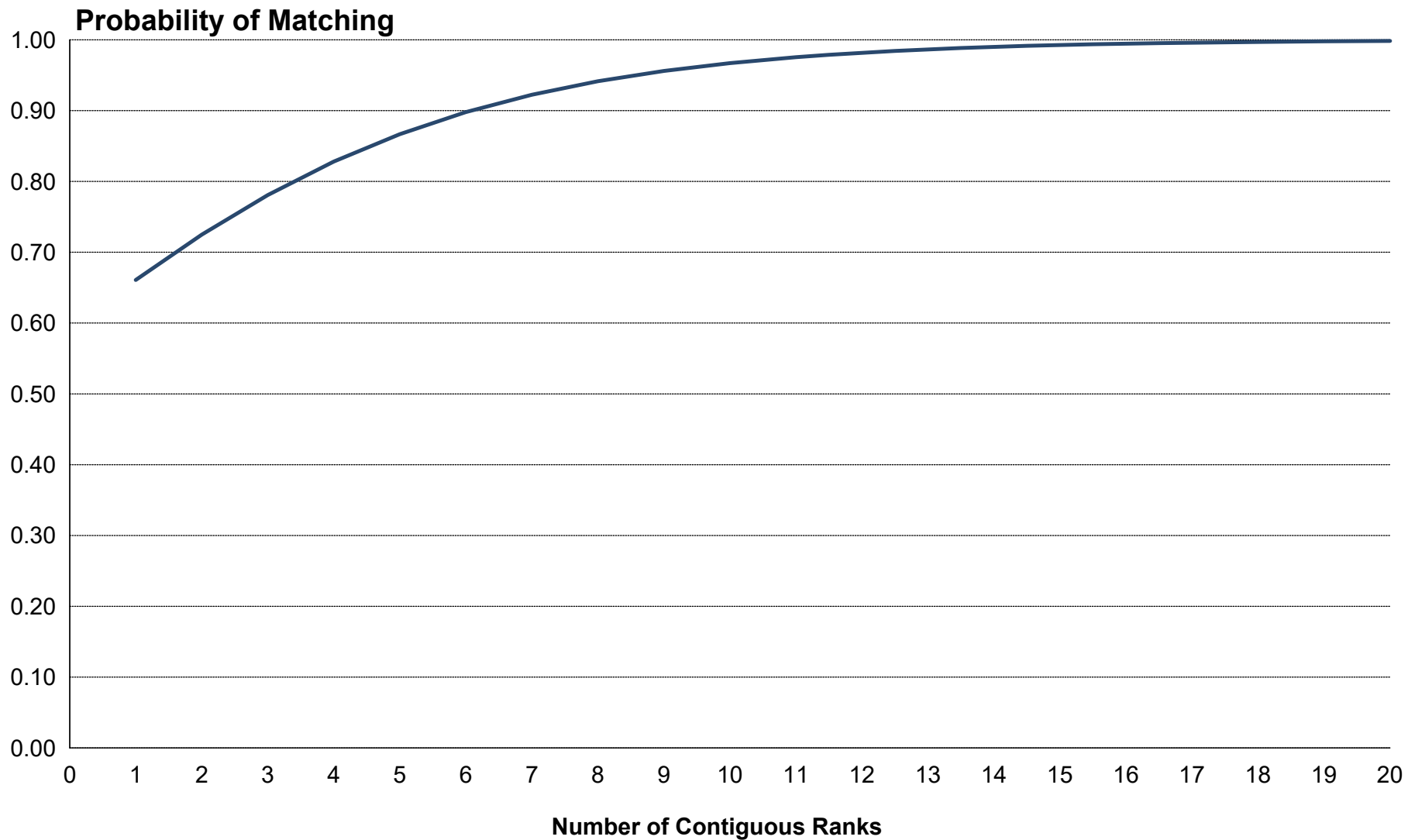


Source: NRMP Data Warehouse



**Graph  
FM-1**

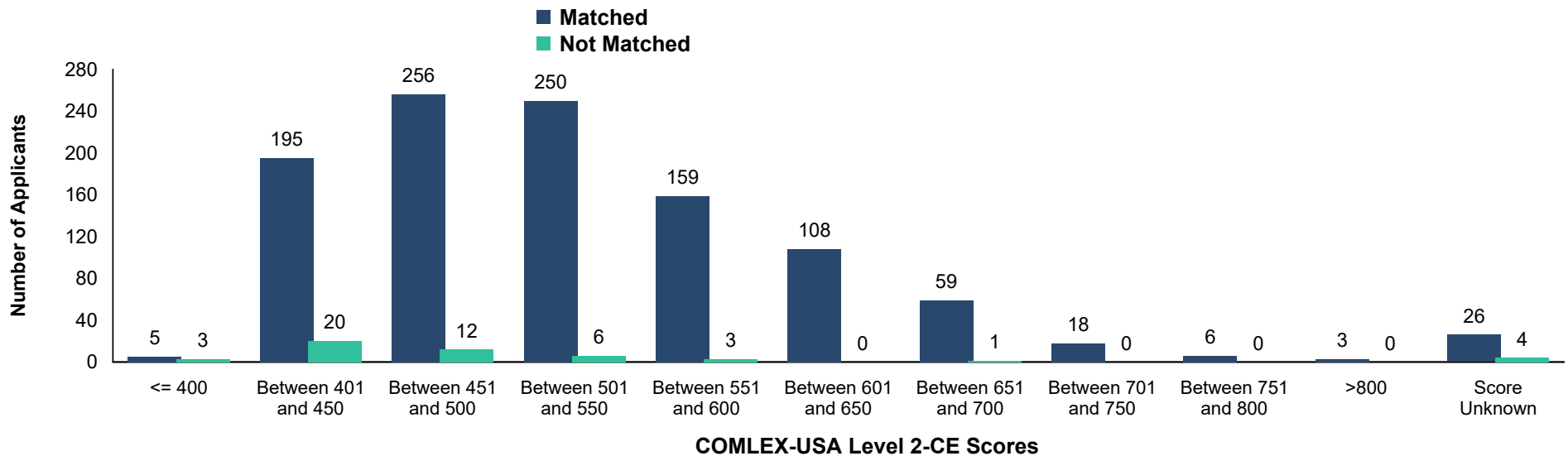
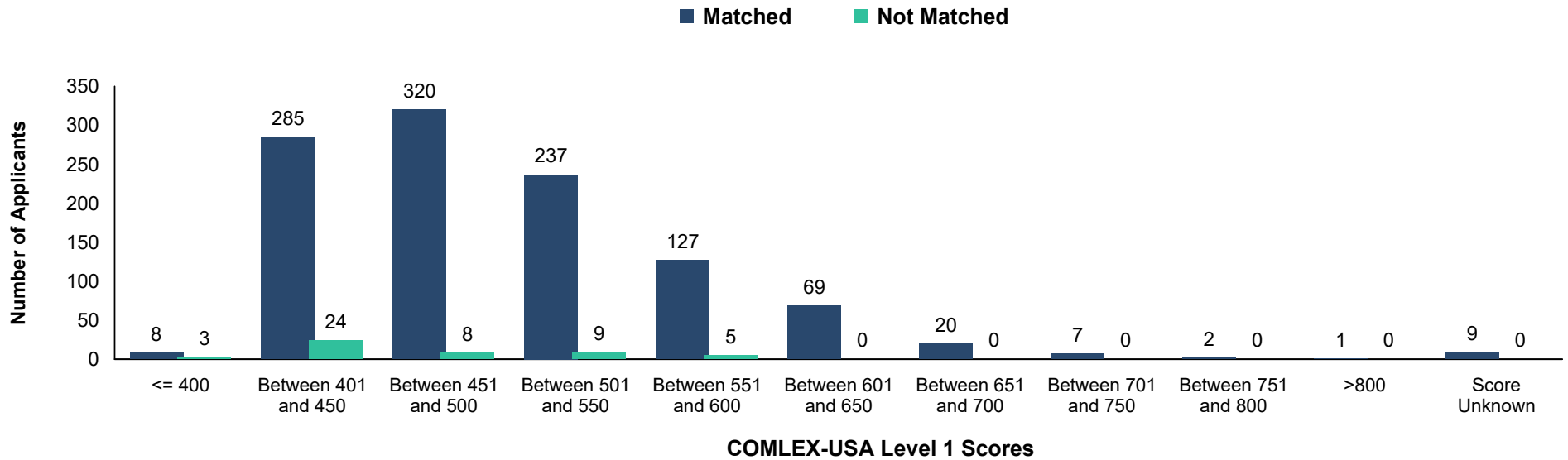
**Probability of U.S. DO Seniors Matching to Preferred Specialty by Number of Contiguous Ranks**  
*Family Medicine*



Source: NRMP Data Warehouse. Note: Probabilities calculated based on 2020-2022 applicants.

**Chart  
FM-3**

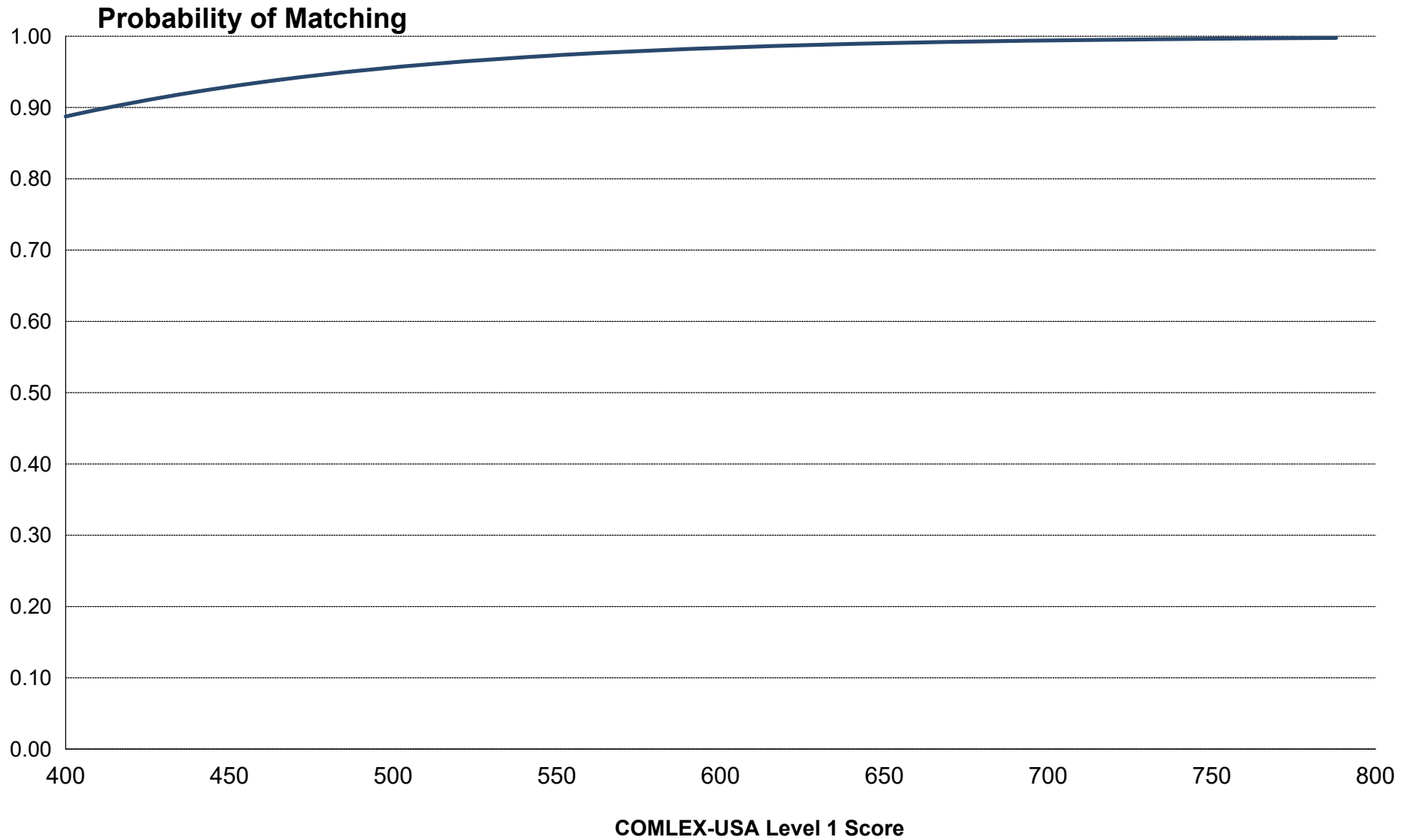
**COMLEX-USA Level 1 Scores of U.S. DO Seniors**  
*Family Medicine*





**Graph  
FM-2**

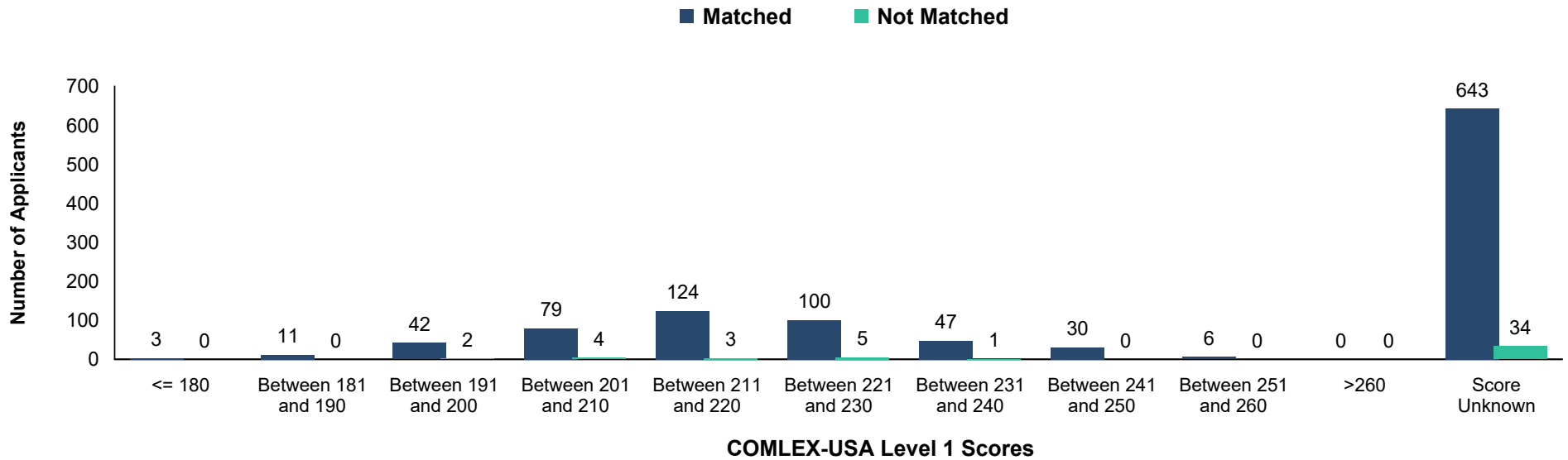
**Probability of U.S. DO Seniors Matching to Preferred Specialty by COMLEX-USA Level 1 Score**  
*Family Medicine*



So

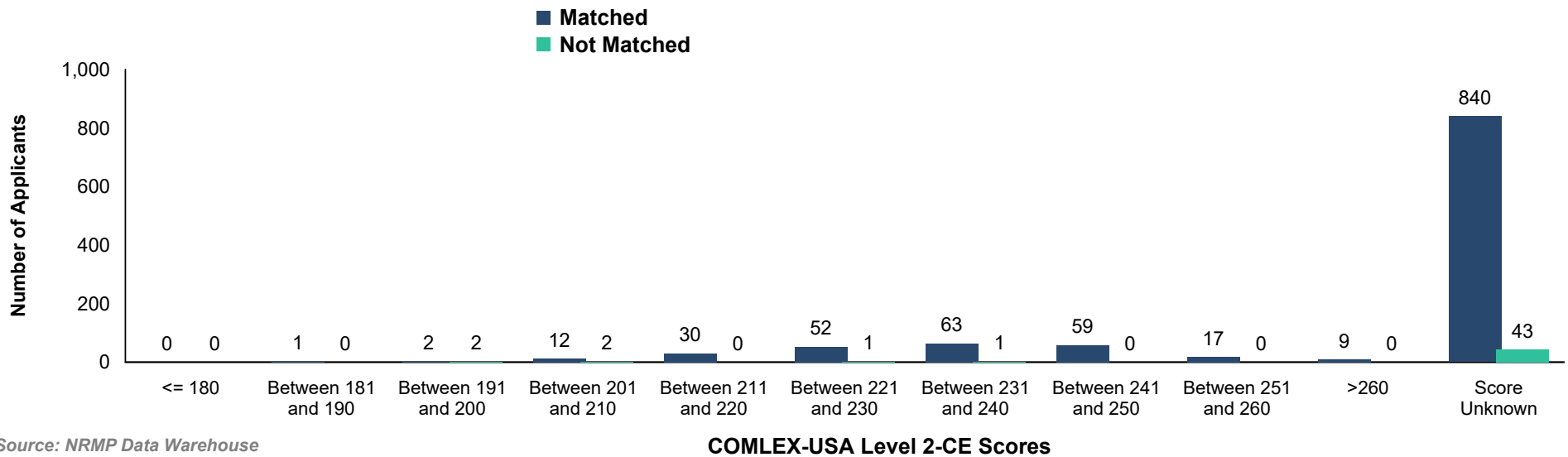
**Chart  
FM-5**

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



**Chart  
FM-6**

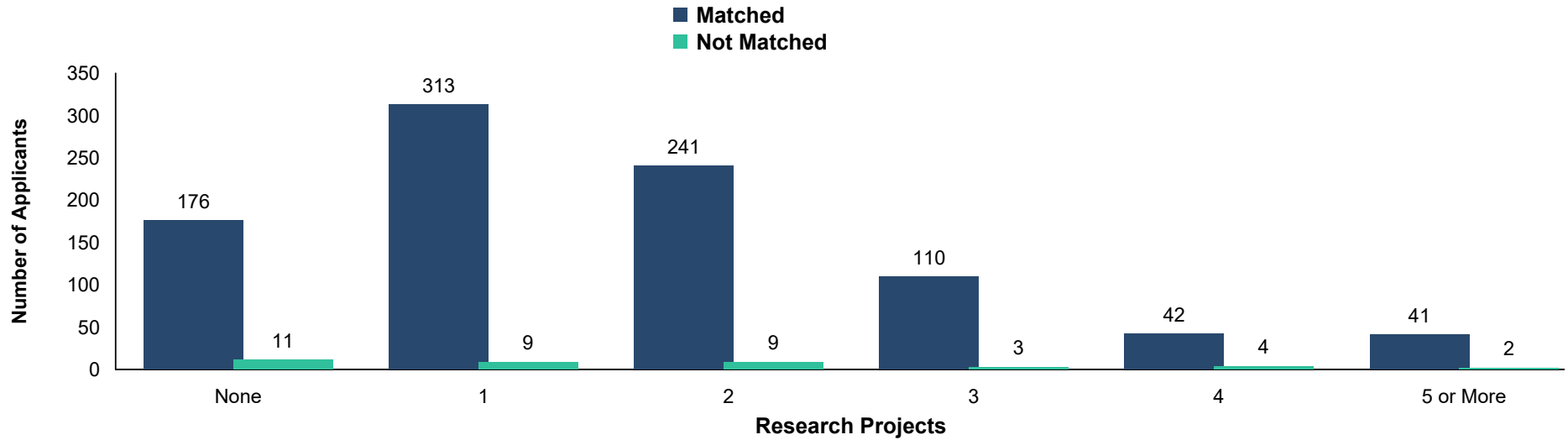
**USMLE Step 2 CK Scores of U.S. DO Seniors  
Family Medicine**



Source: NRMP Data Warehouse

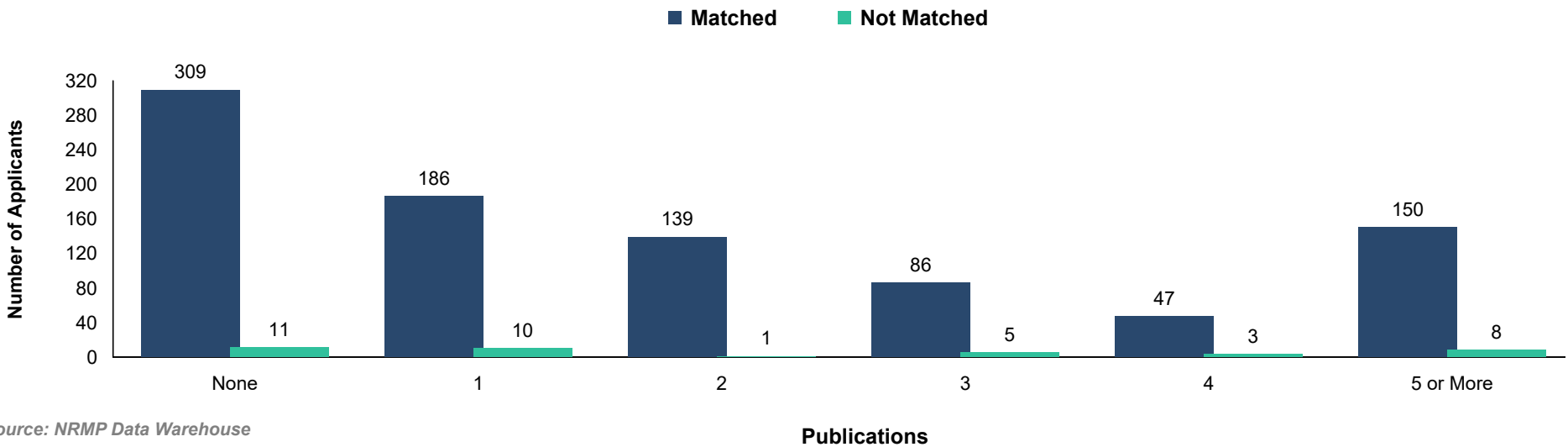
**Chart  
FM-7**

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



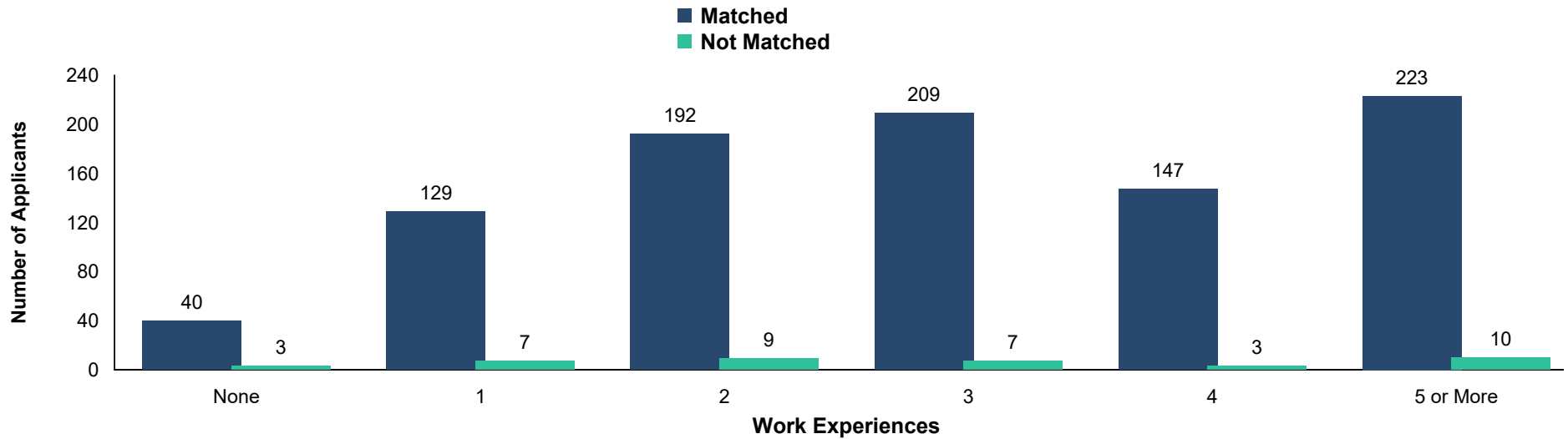
**Chart  
FM-8**

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

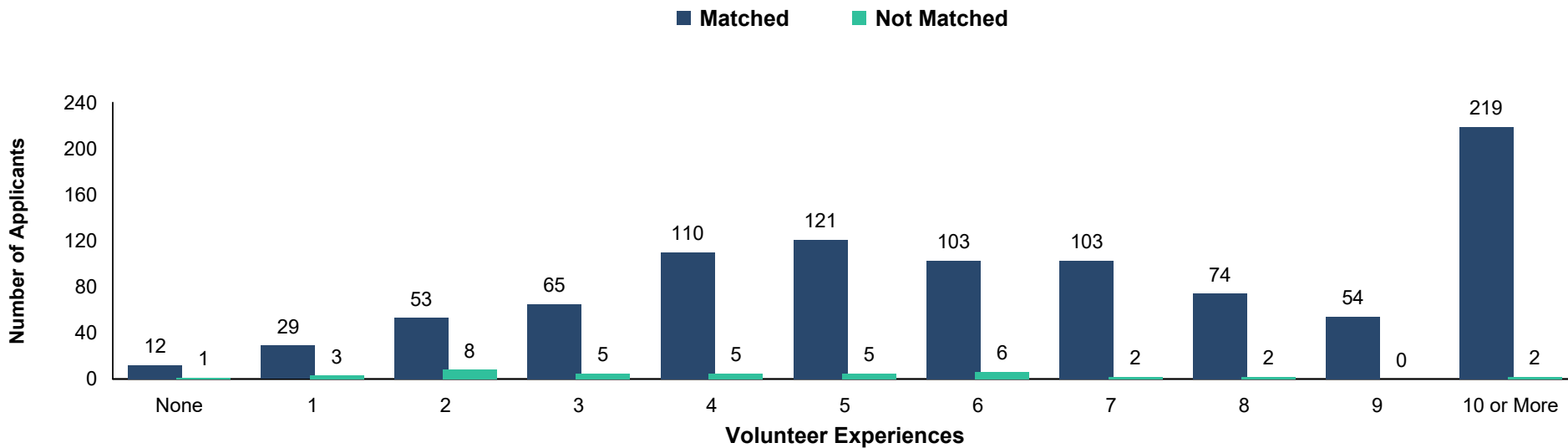


Source: NRMP Data Warehouse

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



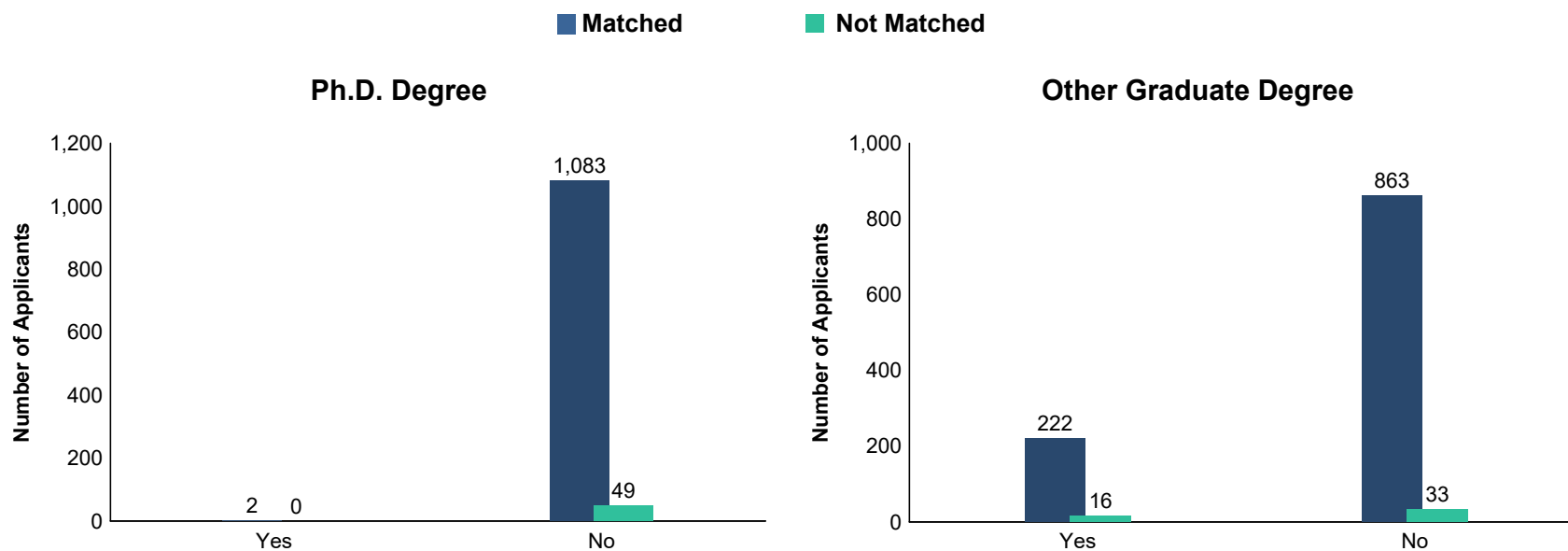
**Chart FM-10** Number of Volunteer Experiences of U.S. DO Seniors  
*Family Medicine*



Source: NRMP Data Warehouse

**Chart  
FM-11**

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



Source: NRMP Data Warehouse.



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**GS** **General Surgery**

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

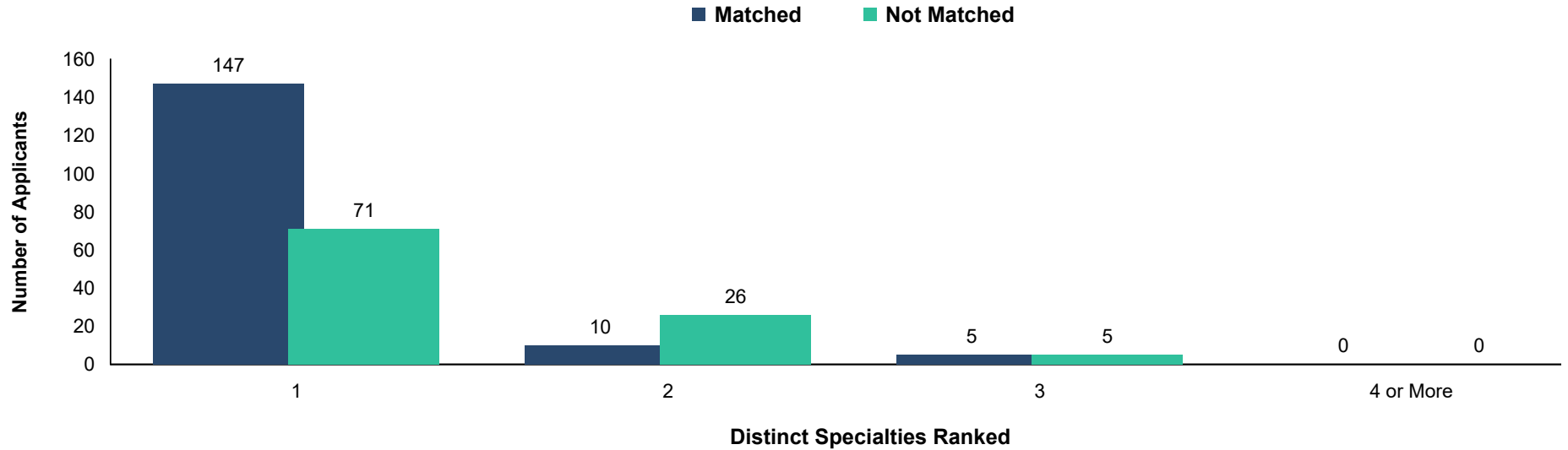
Measure	Matched (n=162)	Unmatched (n=102)
1. Mean number of contiguous ranks	12.2	4.4
2. Mean number of distinct specialties ranked	1.1	1.4
3. Mean COMLEX-USA Level 1 score	590	517
4. Mean COMLEX-USA Level 2-CE score	626	538
5. Mean USMLE Step 1 score	232	220
6. Mean USMLE Step 2 CK score	246	234
7. Mean number of research experiences	3.0	3.1
8. Mean number of abstracts, presentations, and publications	4.6	3.9
9. Mean number of work experiences	4.3	3.9
10. Mean number of volunteer experiences	7.9	7.5
11. Percentage who have a Ph.D. degree	0.6	0.0
12. Percentage who have another graduate degree	26.4	36.1

Source: NRMP Data Warehouse.

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

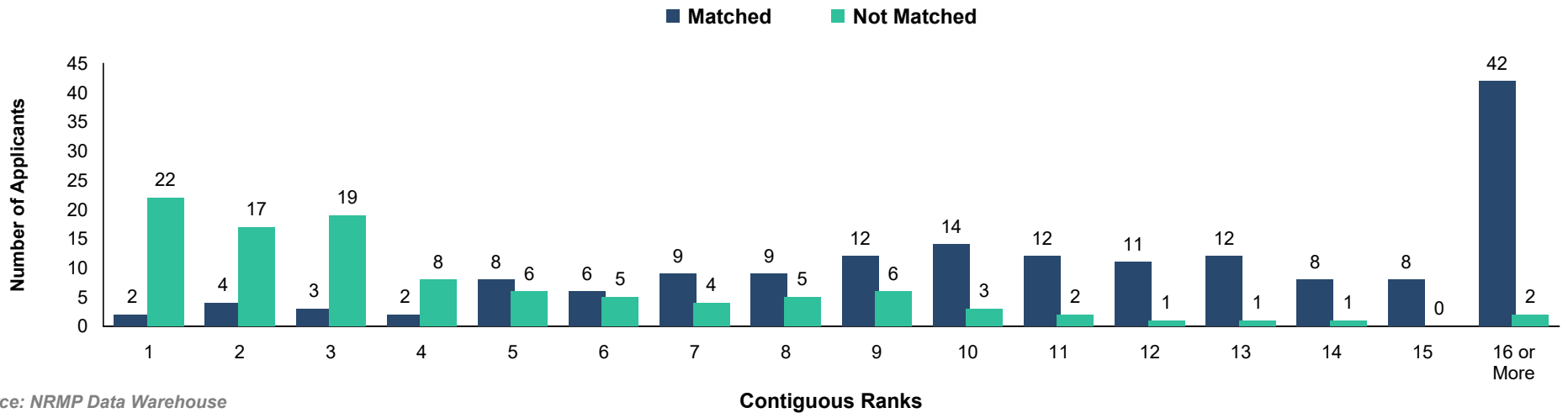
**Chart  
GS-1**

**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**

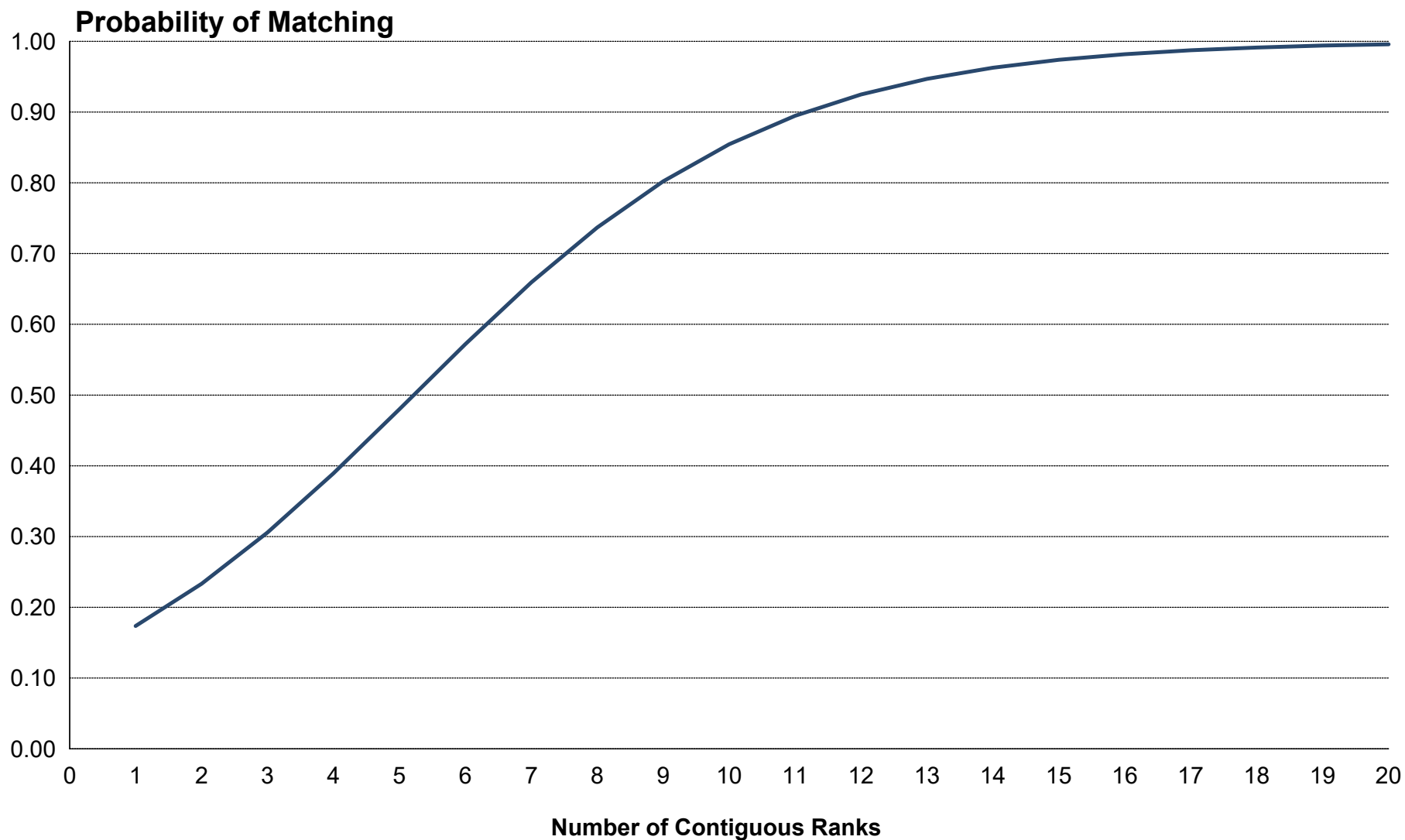


Source: NRMP Data Warehouse

**Graph  
GS-1**

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

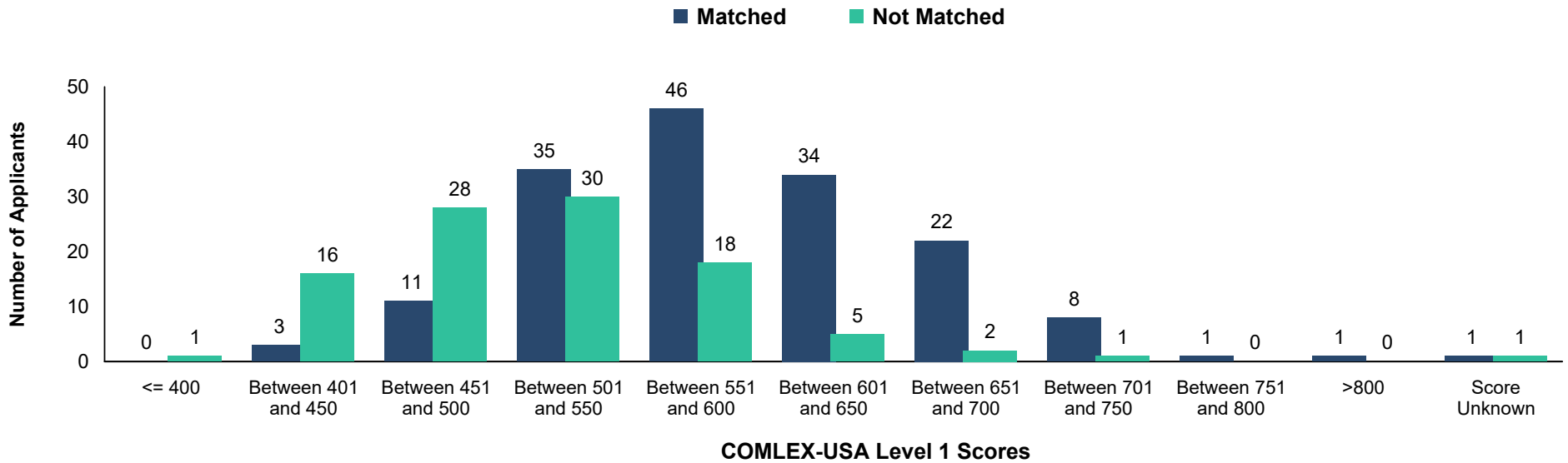
*General Surgery*



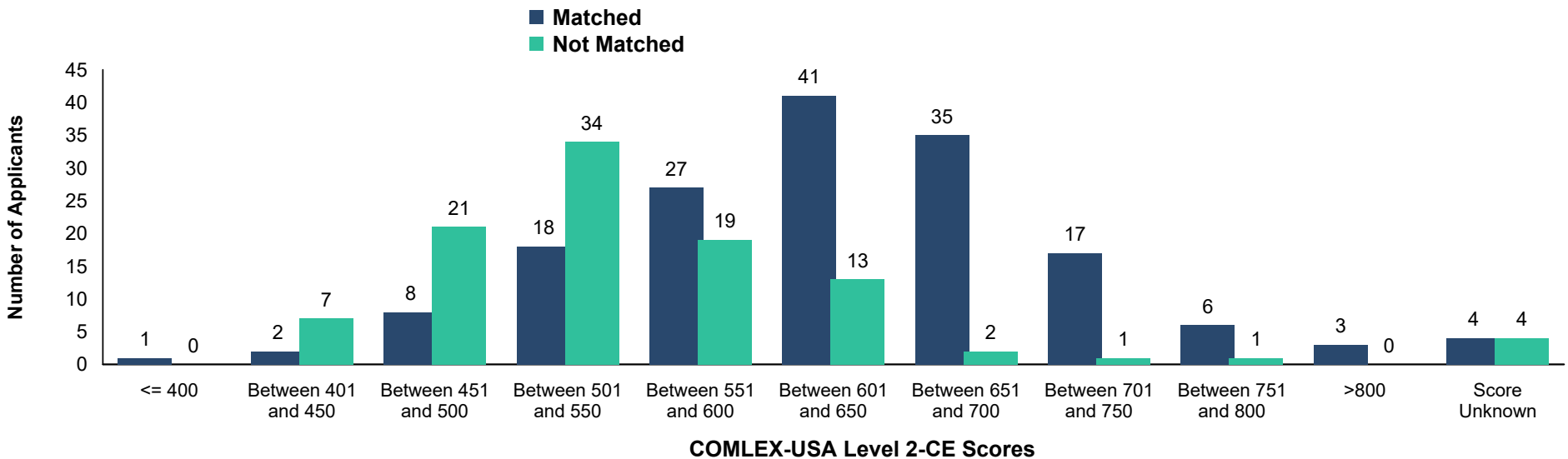
Source: NRMP Data Warehouse. Note: Probabilities calculated based on 2020-2022 applicants.

**Chart  
GS-3**

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



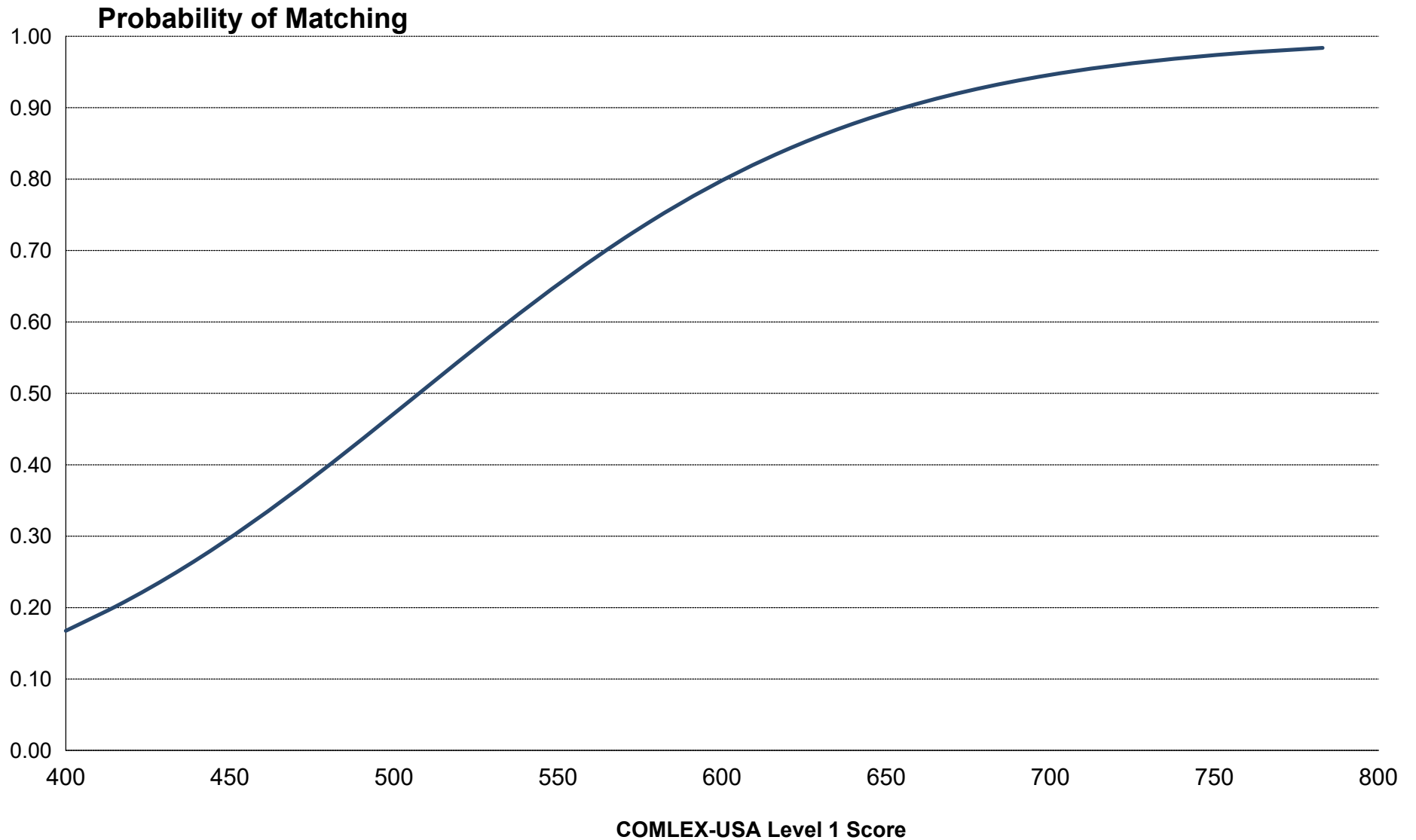
**GS-4 General Surgery**





**Graph  
GS-2**

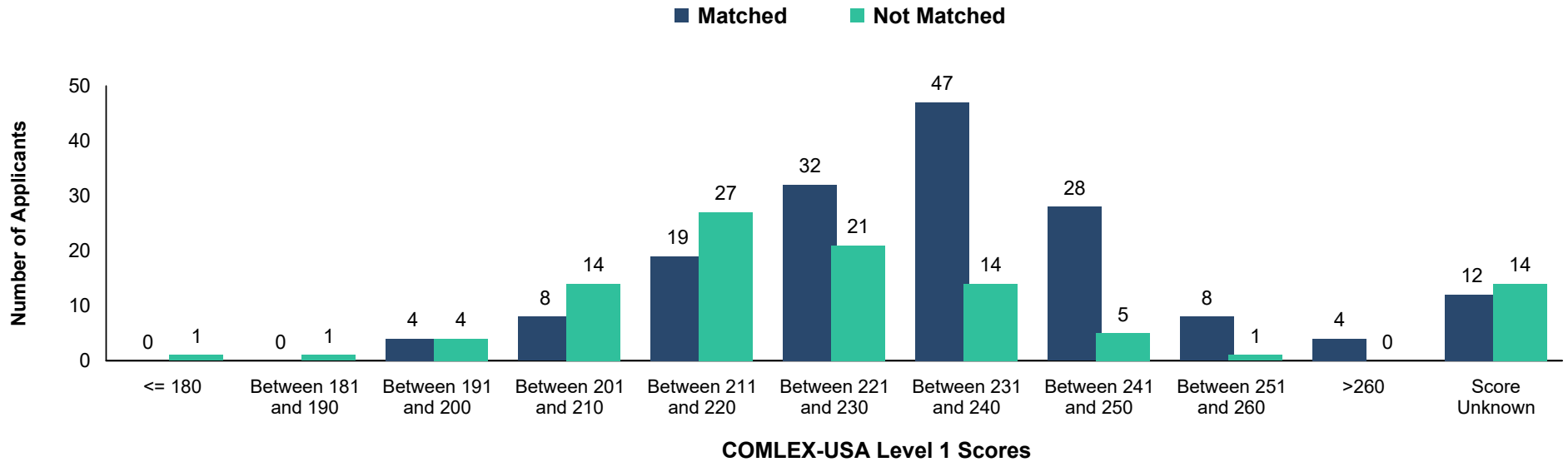
**Probability of U.S. DO Seniors Matching to Preferred Specialty by COMLEX-USA Level 1 Score**  
*General Surgery*



So

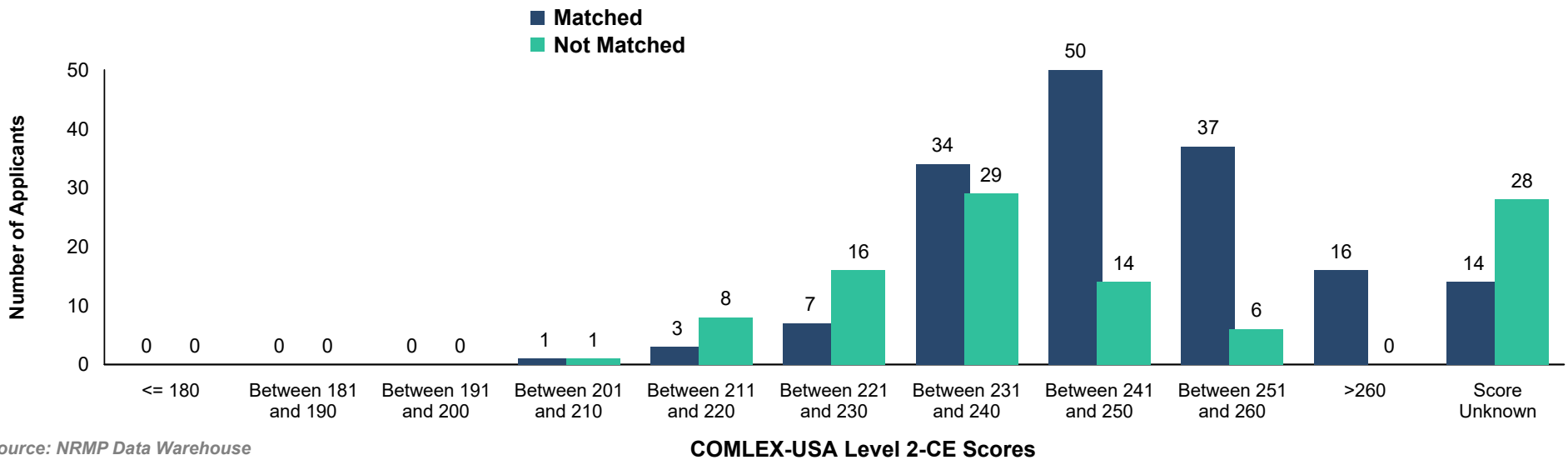
**Chart  
GS-5**

**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**

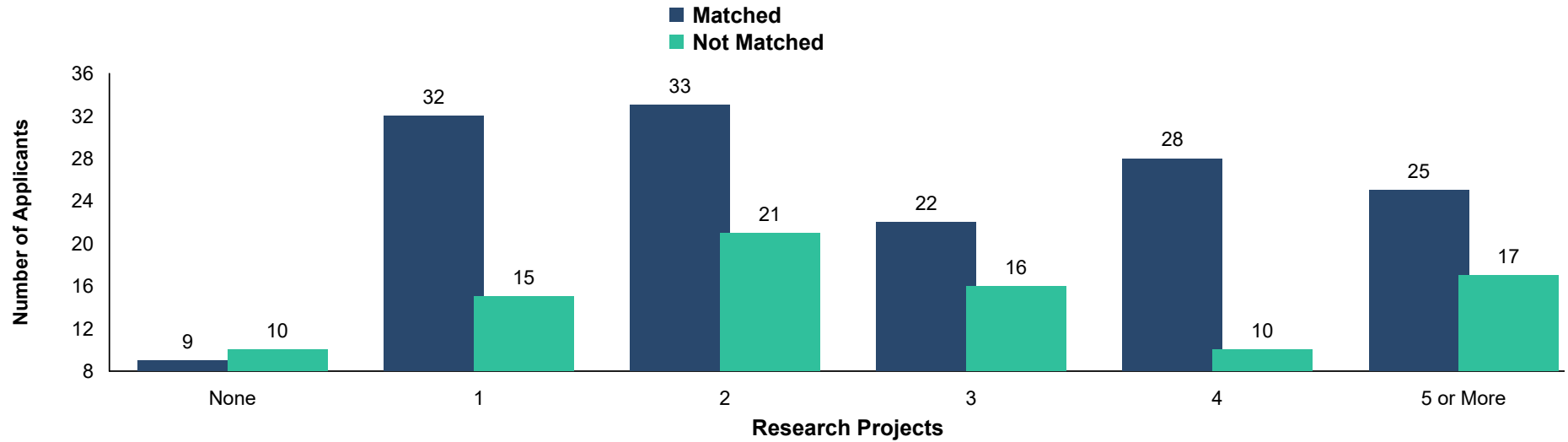


Source: NRMP Data Warehouse



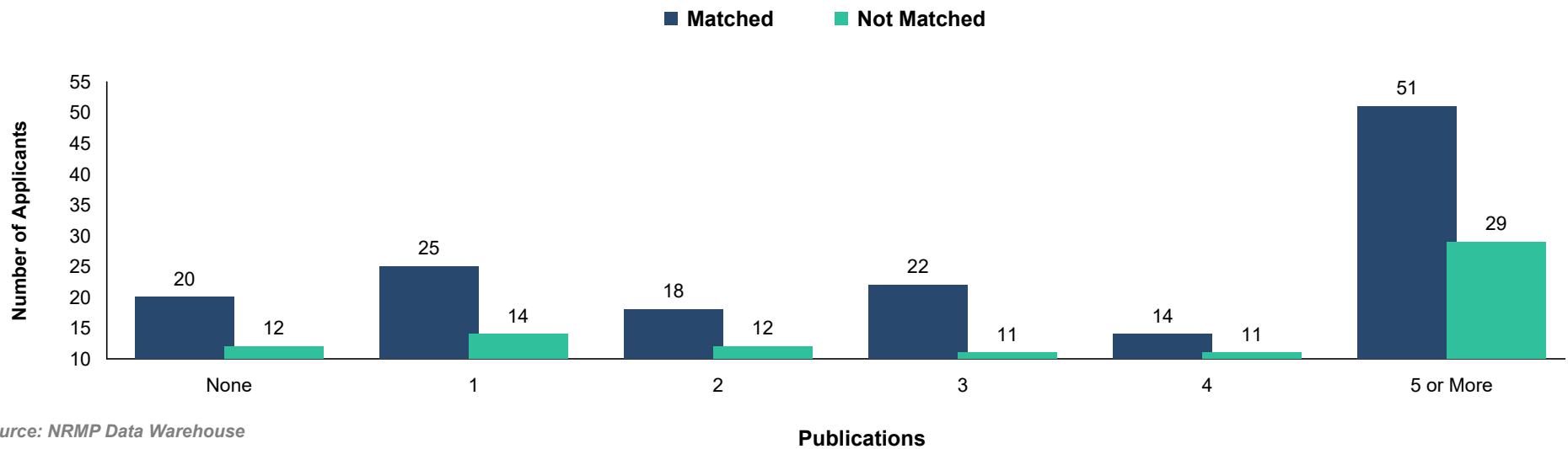
**Chart  
GS-7**

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



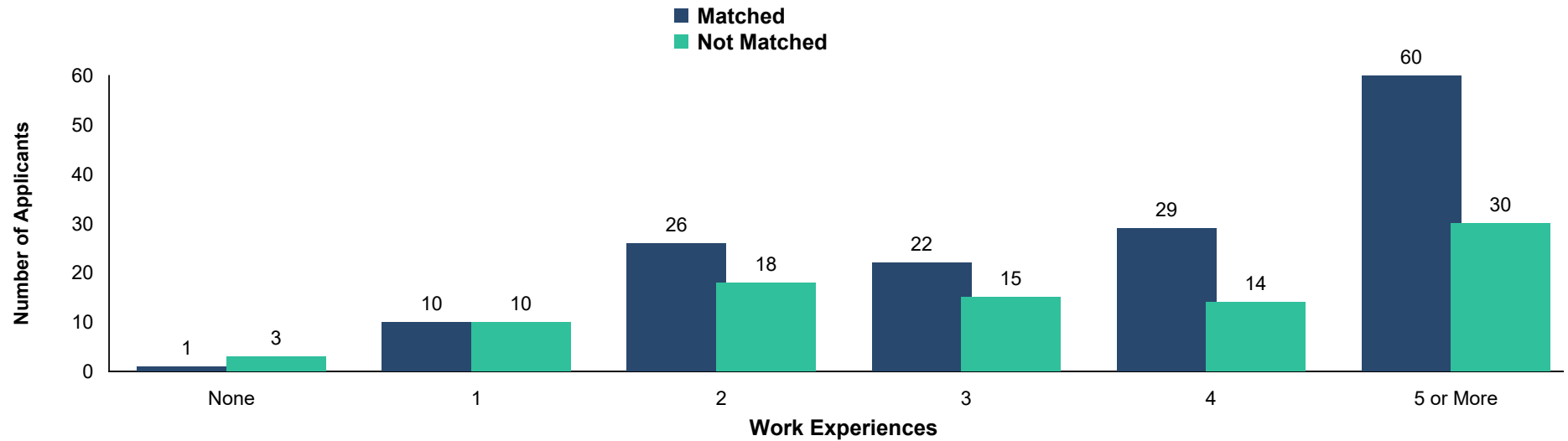
**Chart  
GS-8**

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

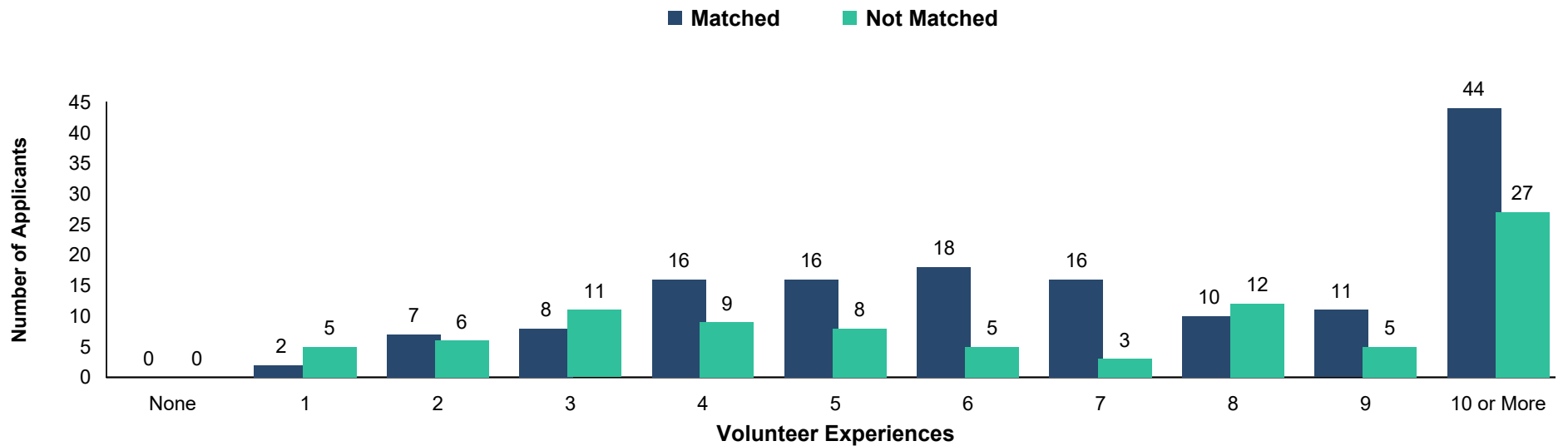


Source: NRMP Data Warehouse

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



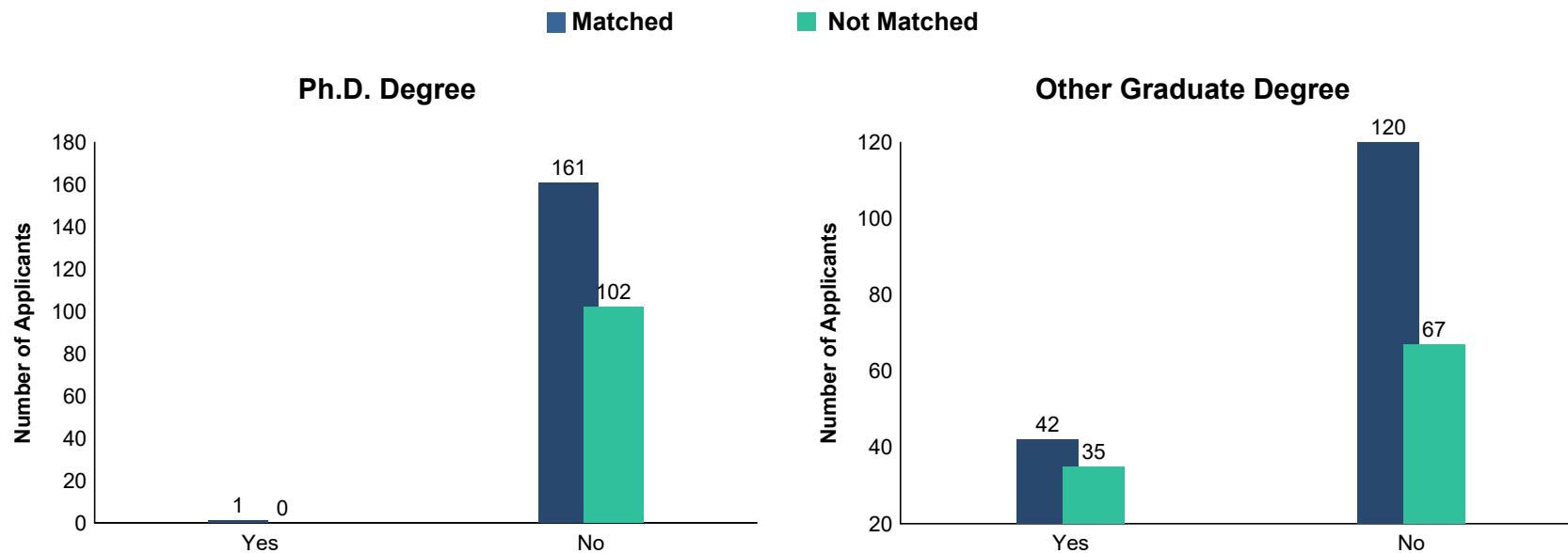
**Chart GS-10** Number of Volunteer Experiences of U.S. DO Seniors  
*General Surgery*



Source: NRMP Data Warehouse

**Chart  
GS-11**

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



Source: NRMP Data Warehouse.

**IM**

**Internal Medicine**

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

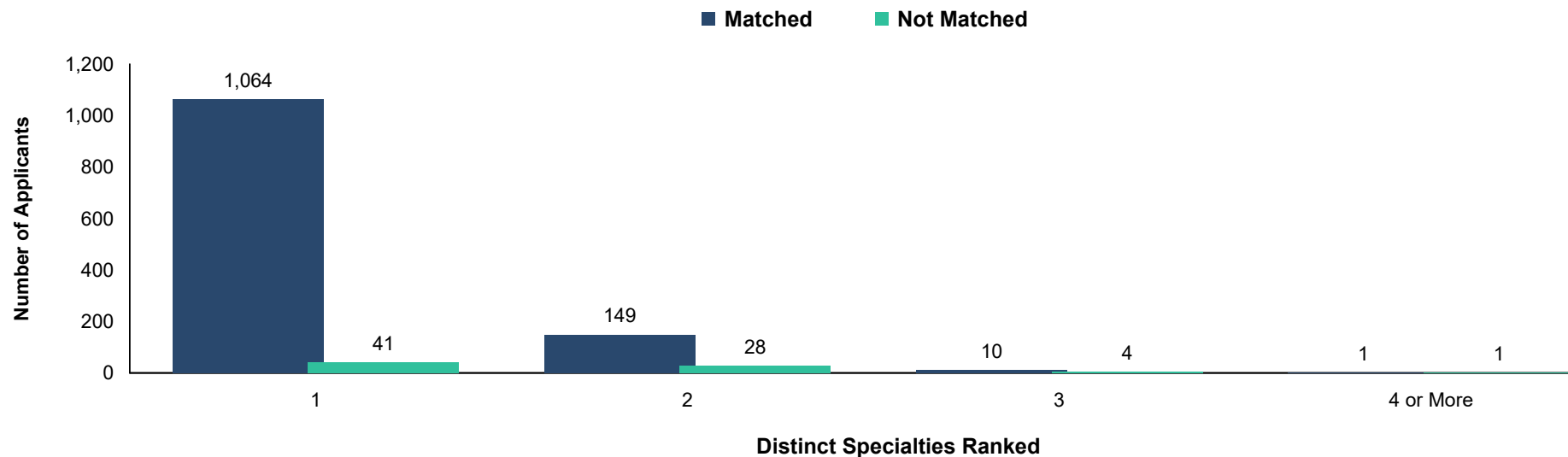
Measure	Matched (n=1,225)	Unmatched (n=74)
1. Mean number of contiguous ranks	12.9	3.6
2. Mean number of distinct specialties ranked	1.1	1.5
3. Mean COMLEX-USA Level 1 score	540	459
4. Mean COMLEX-USA Level 2-CE score	568	462
5. Mean USMLE Step 1 score	226	212
6. Mean USMLE Step 2 CK score	240	228
7. Mean number of research experiences	2.2	2.2
8. Mean number of abstracts, presentations, and publications	3.3	3.3
9. Mean number of work experiences	3.3	2.8
10. Mean number of volunteer experiences	6.9	4.9
11. Percentage who have a Ph.D. degree	0.5	0.0
12. Percentage who have another graduate degree	22.9	41.5

Source: NRMP Data Warehouse.

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

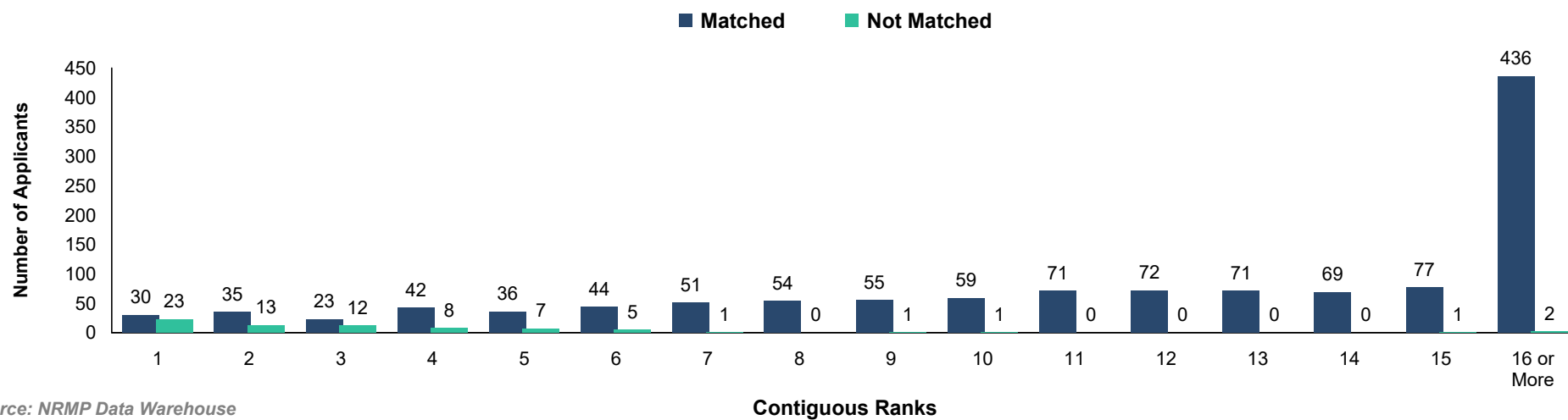
**Chart  
IM-1**

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



**Chart  
IM-2**

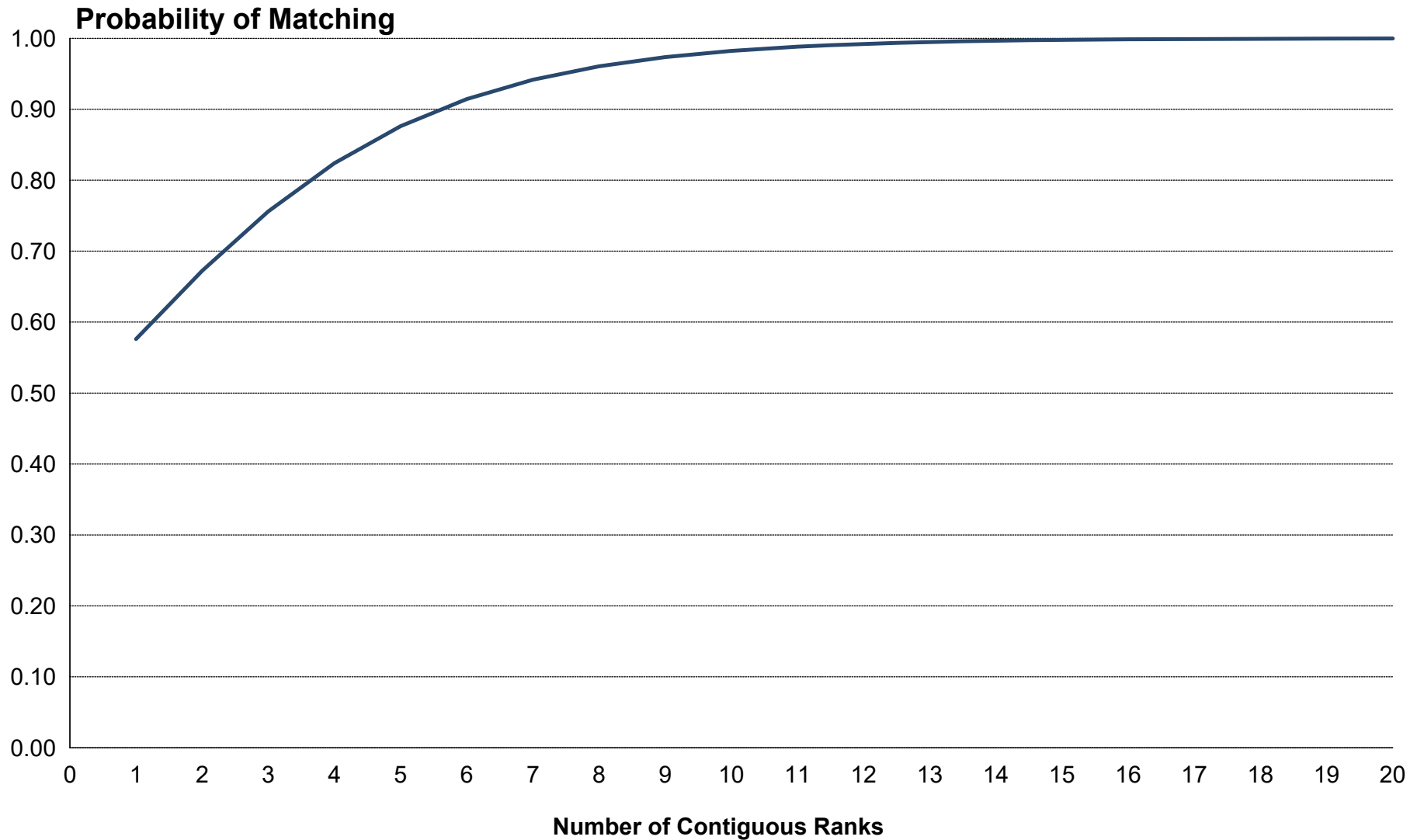
**Number of Contiguous Ranks of U.S. DO Seniors  
*Internal Medicine***



Source: NRMP Data Warehouse

**Graph  
IM-1**

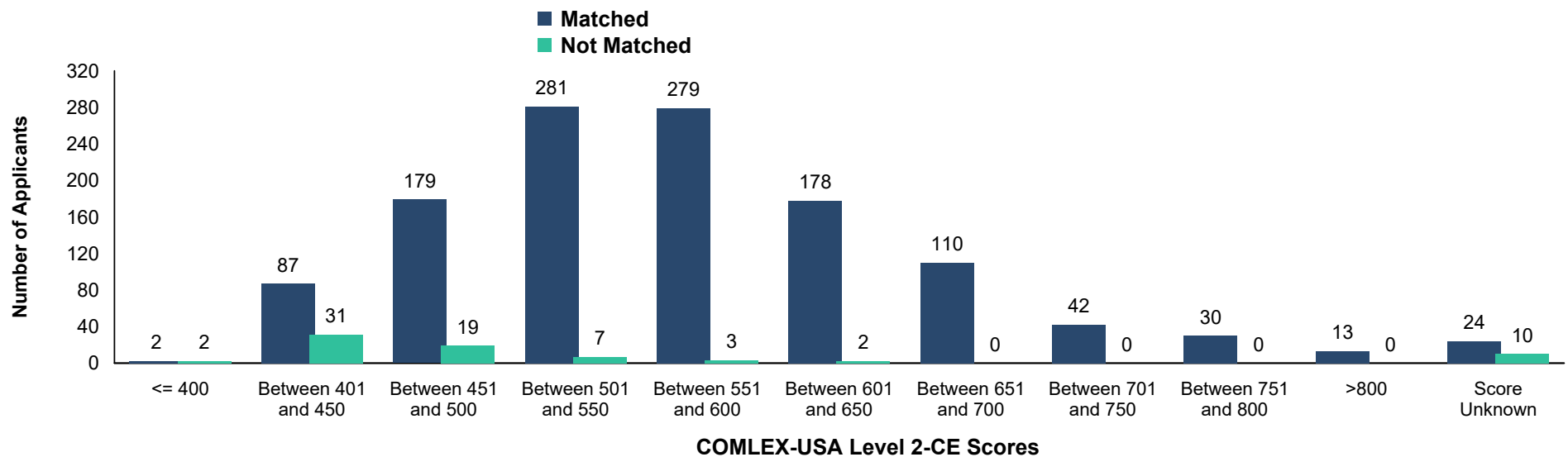
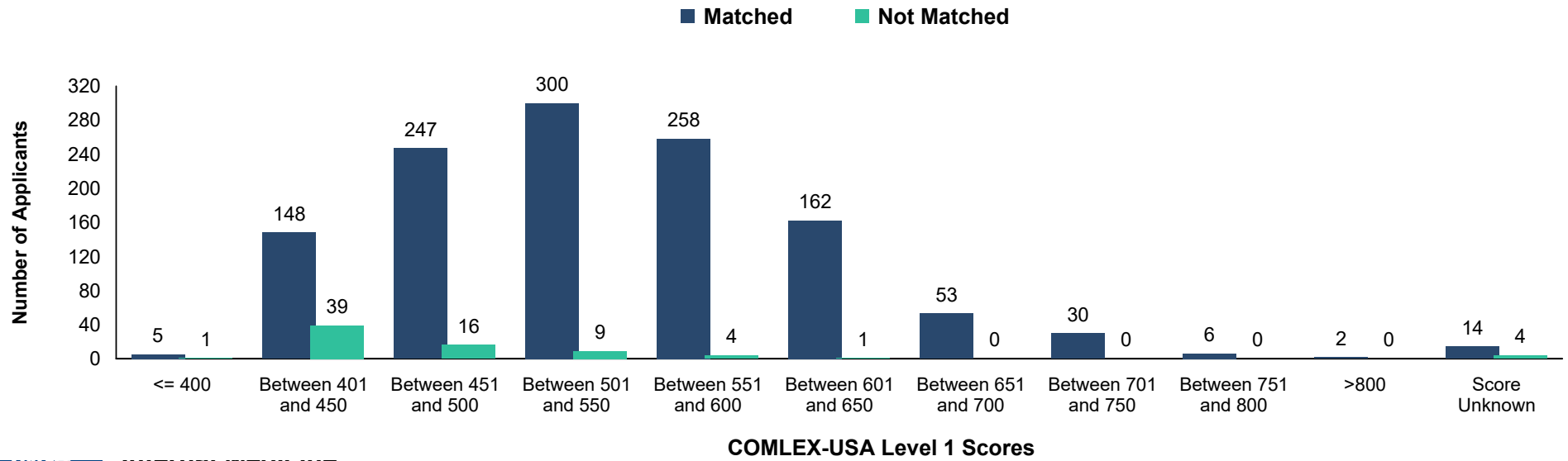
**Probability of U.S. DO Seniors Matching to Preferred Specialty by Number of Contiguous Ranks**  
*Internal Medicine*



Source: NRMP Data Warehouse. Note: Probabilities calculated based on 2020-2022 applicants.

**Chart  
IM-3**

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

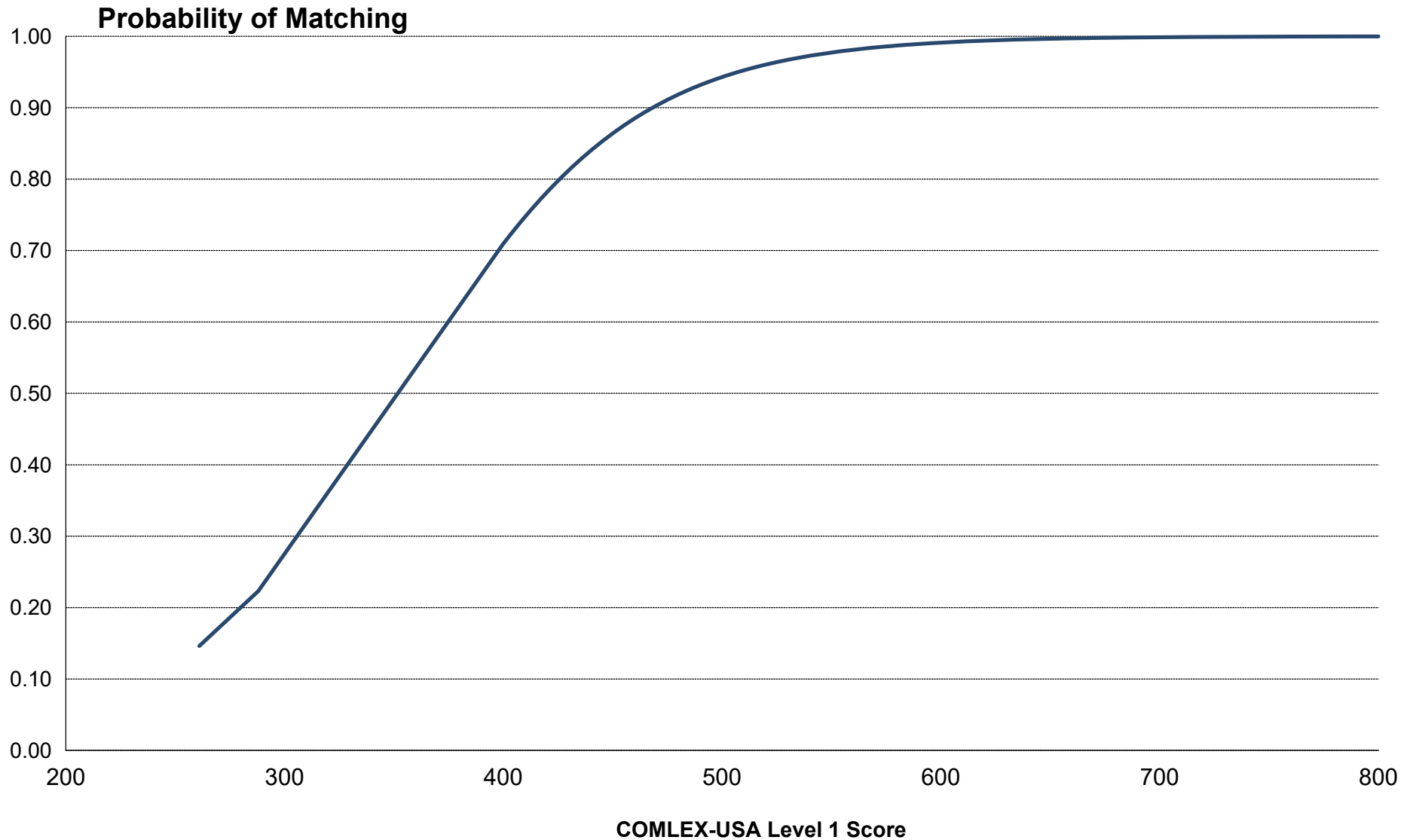






# Probability of U.S. DO Seniors Matching to Preferred Specialty by COMLEX-USA Level 1 Score

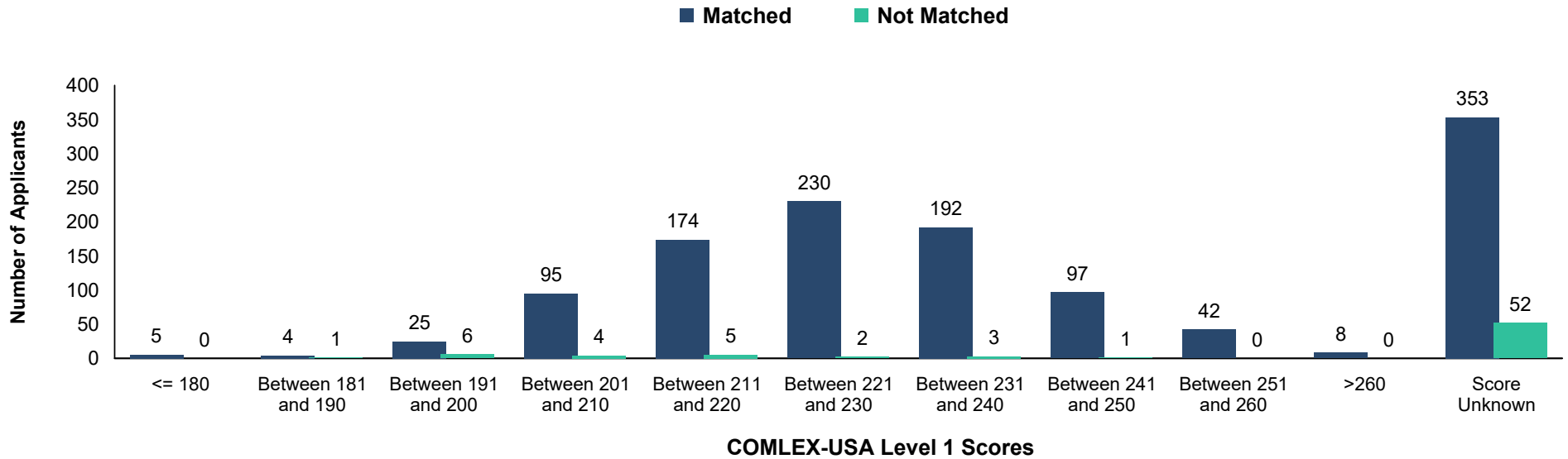
*Internal Medicine*



So

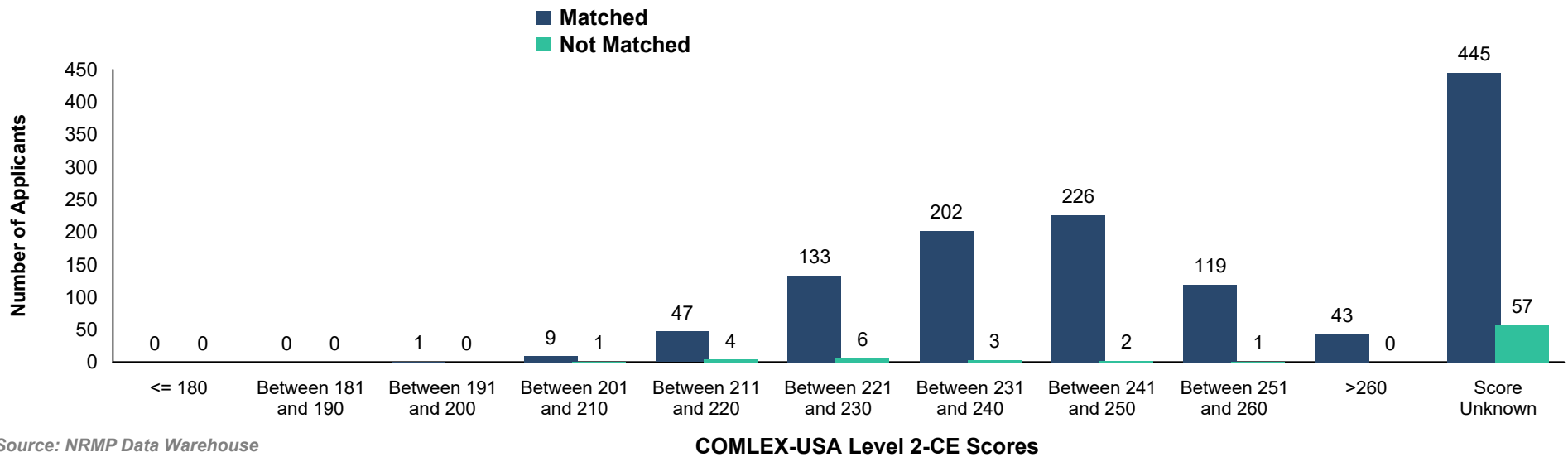
**Chart  
IM-5**

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



**Chart  
IM-6**

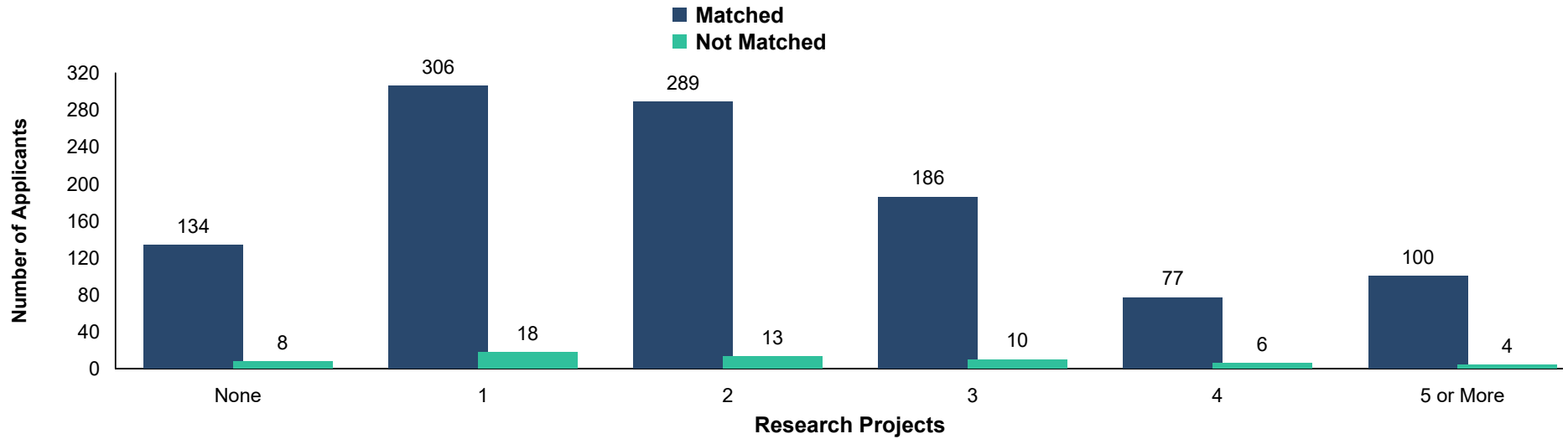
**USMLE Step 2 CK Scores of U.S. DO Seniors  
Internal Medicine**



Source: NRMP Data Warehouse

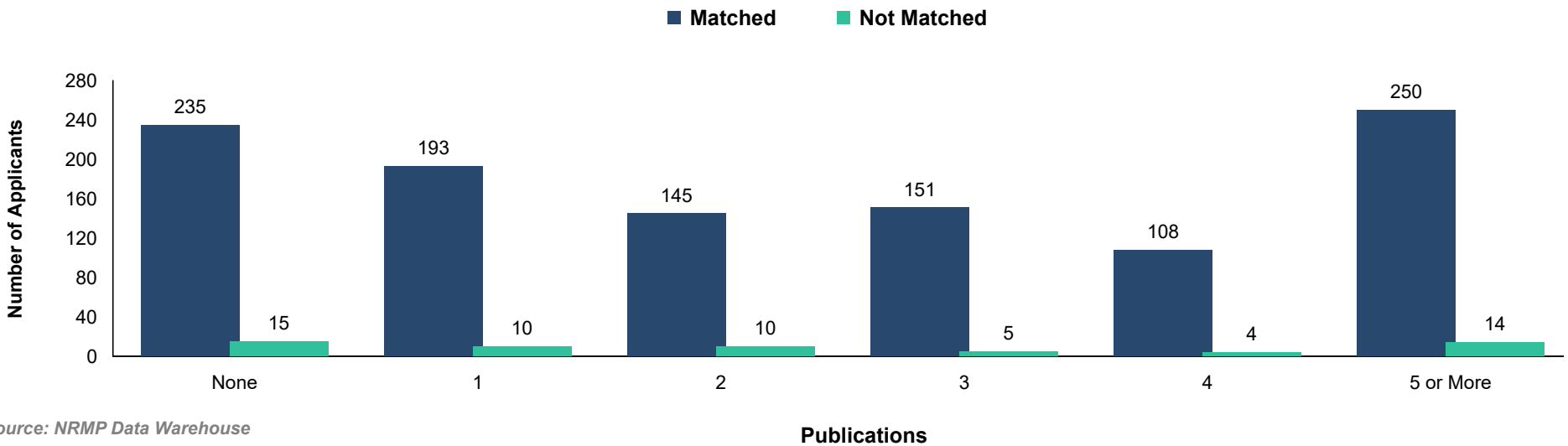
**Chart  
IM-7**

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



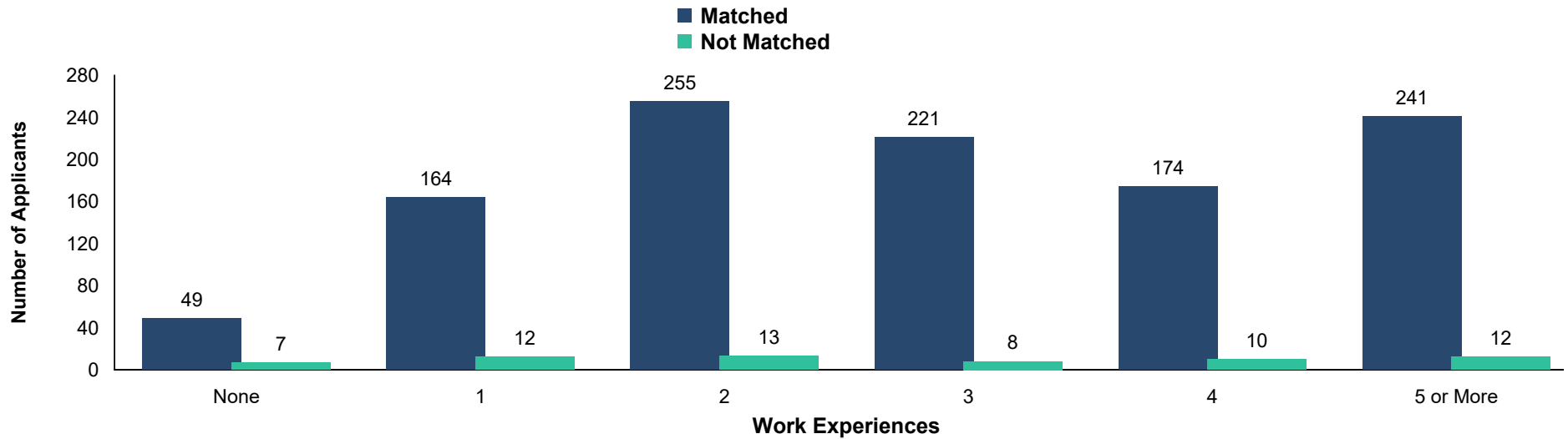
**Chart  
IM-8**

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

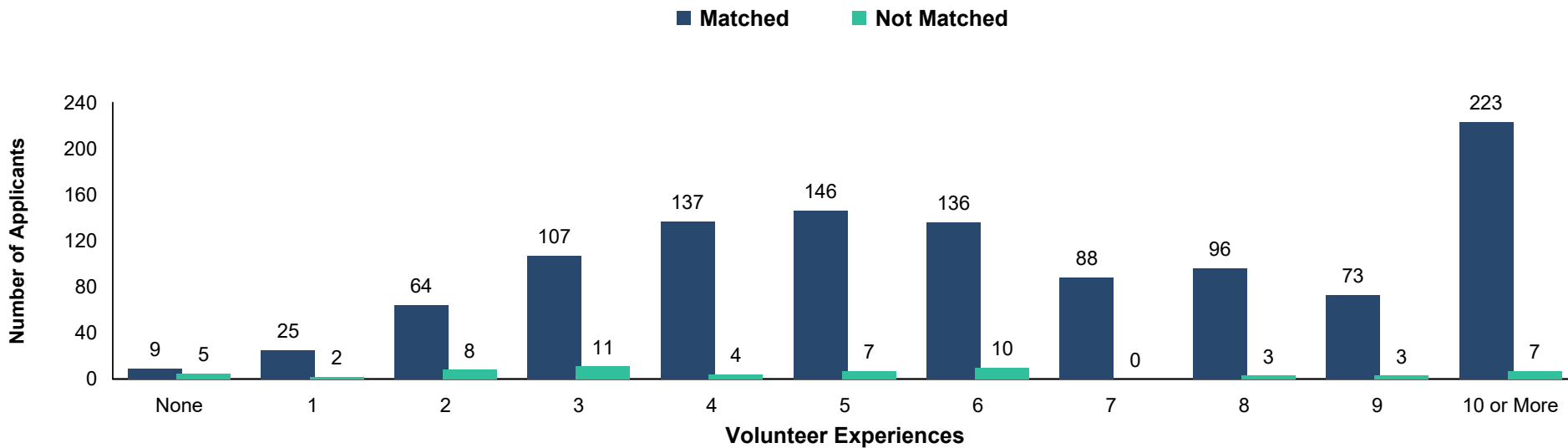


Source: NRMP Data Warehouse

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



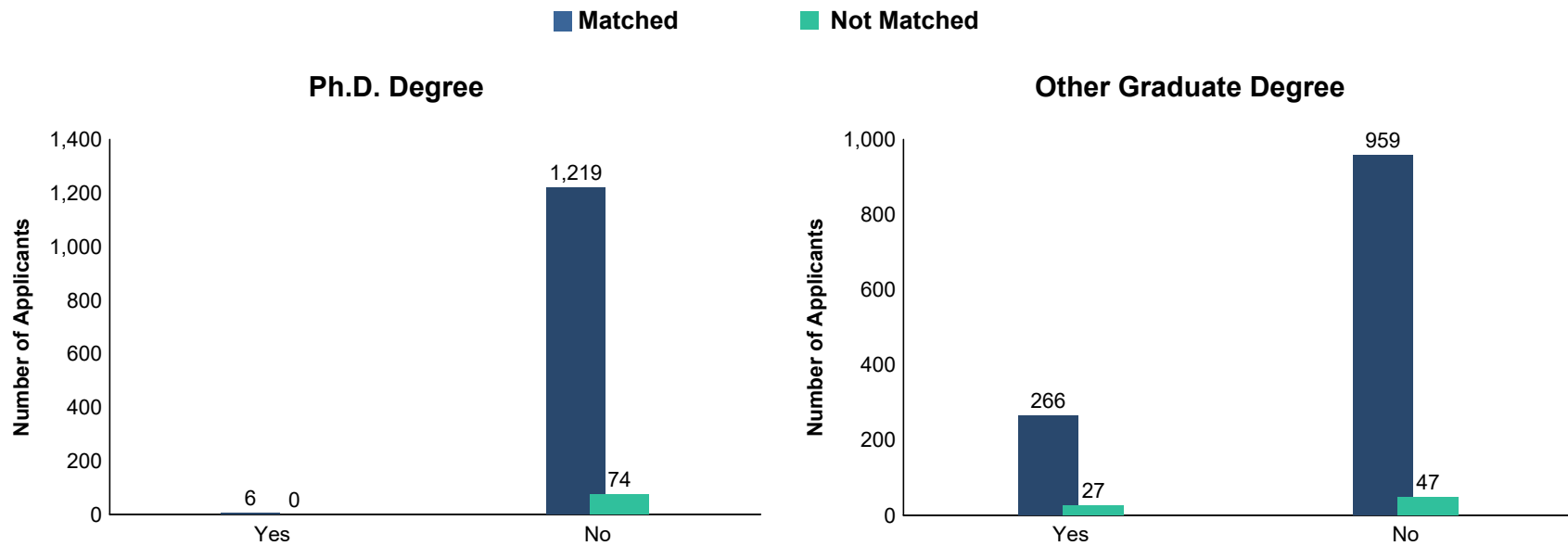
**Chart IM-10** Number of Volunteer Experiences of U.S. DO Seniors  
*Internal Medicine*



Source: NRMP Data Warehouse

**Chart  
IM-11**

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



Source: NRMP Data Warehouse.

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**IP**

**Internal Medicine/Pediatrics**

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

Measure	Matched (n=31)	Unmatched (n=7)
1. Mean number of contiguous ranks	11.0	1.7
2. Mean number of distinct specialties ranked	1.5	2.4
3. Mean COMLEX-USA Level 1 score	579	540
4. Mean COMLEX-USA Level 2-CE score	627	577
5. Mean USMLE Step 1 score	236	221
6. Mean USMLE Step 2 CK score	252	237
7. Mean number of research experiences	2.9	2.0
8. Mean number of abstracts, presentations, and publications	5.4	2.0
9. Mean number of work experiences	4.3	2.9
10. Mean number of volunteer experiences	10.9	6.9
11. Percentage who have a Ph.D. degree	3.2	0.0
12. Percentage who have another graduate degree	32.3	0.0

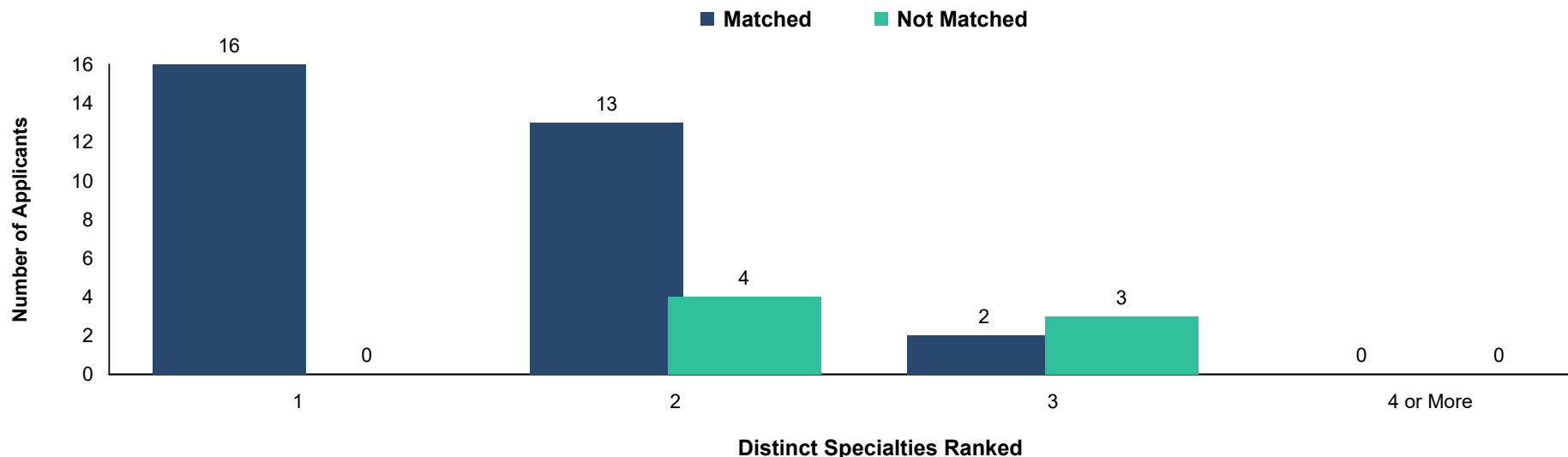
Source: NRMP Data Warehouse.

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



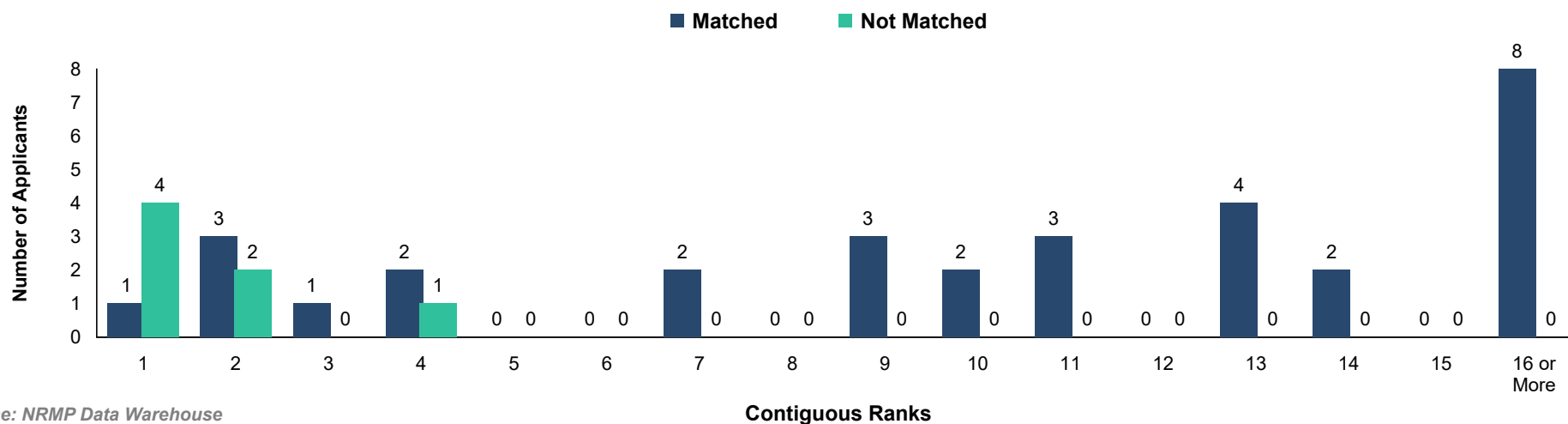
**Chart  
IP-1**

**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***

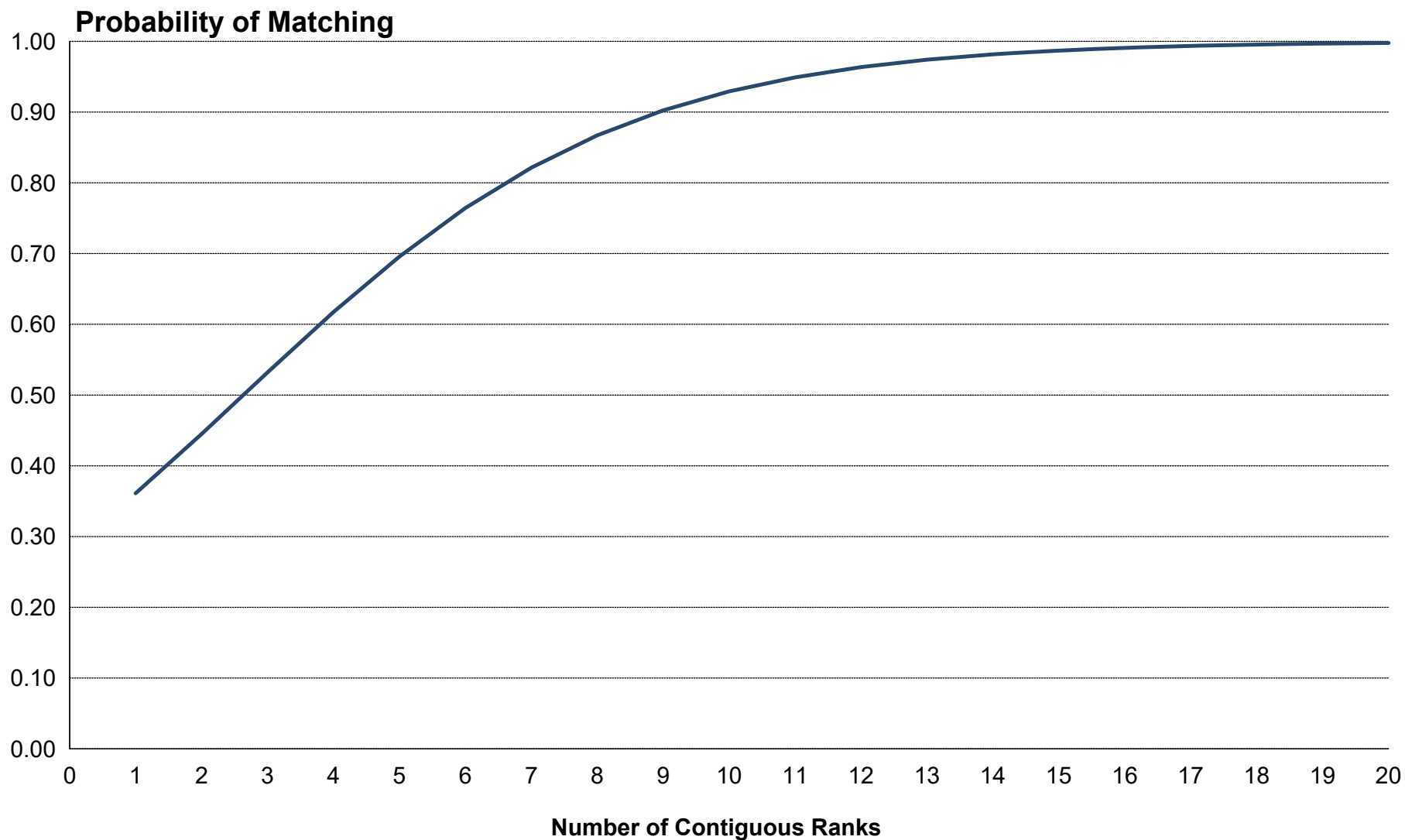


Source: NRMP Data Warehouse

**Graph  
IP-1**

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

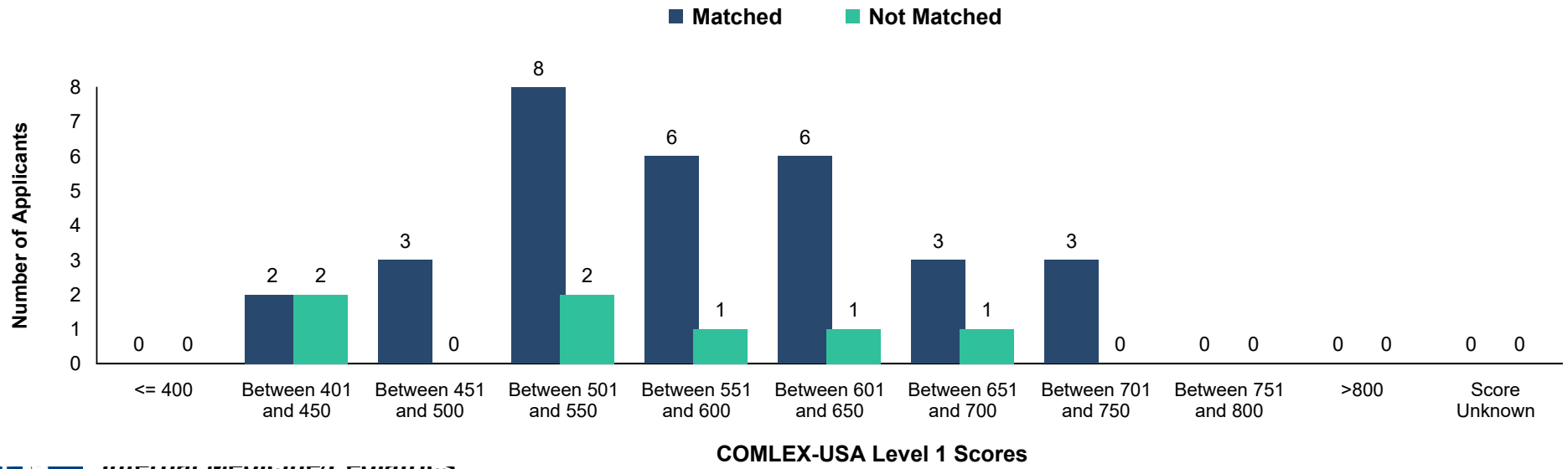
*Internal Medicine/Pediatrics*



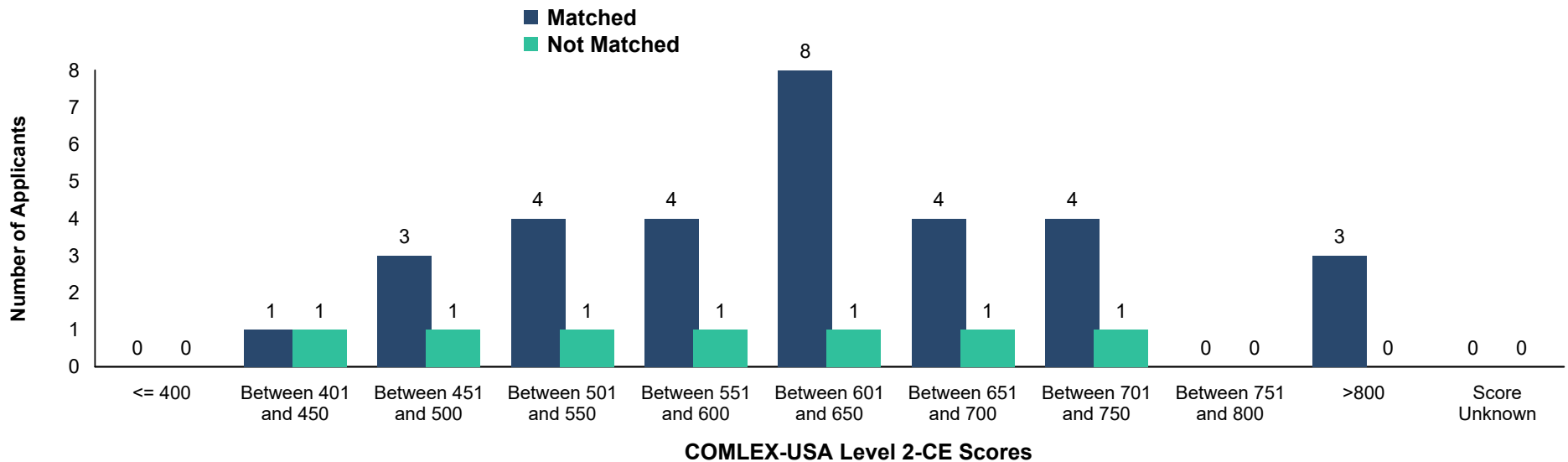
Source: NRMP Data Warehouse. Note: Probabilities calculated based on 2020-2022 applicants.

**Chart  
IP-3**

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



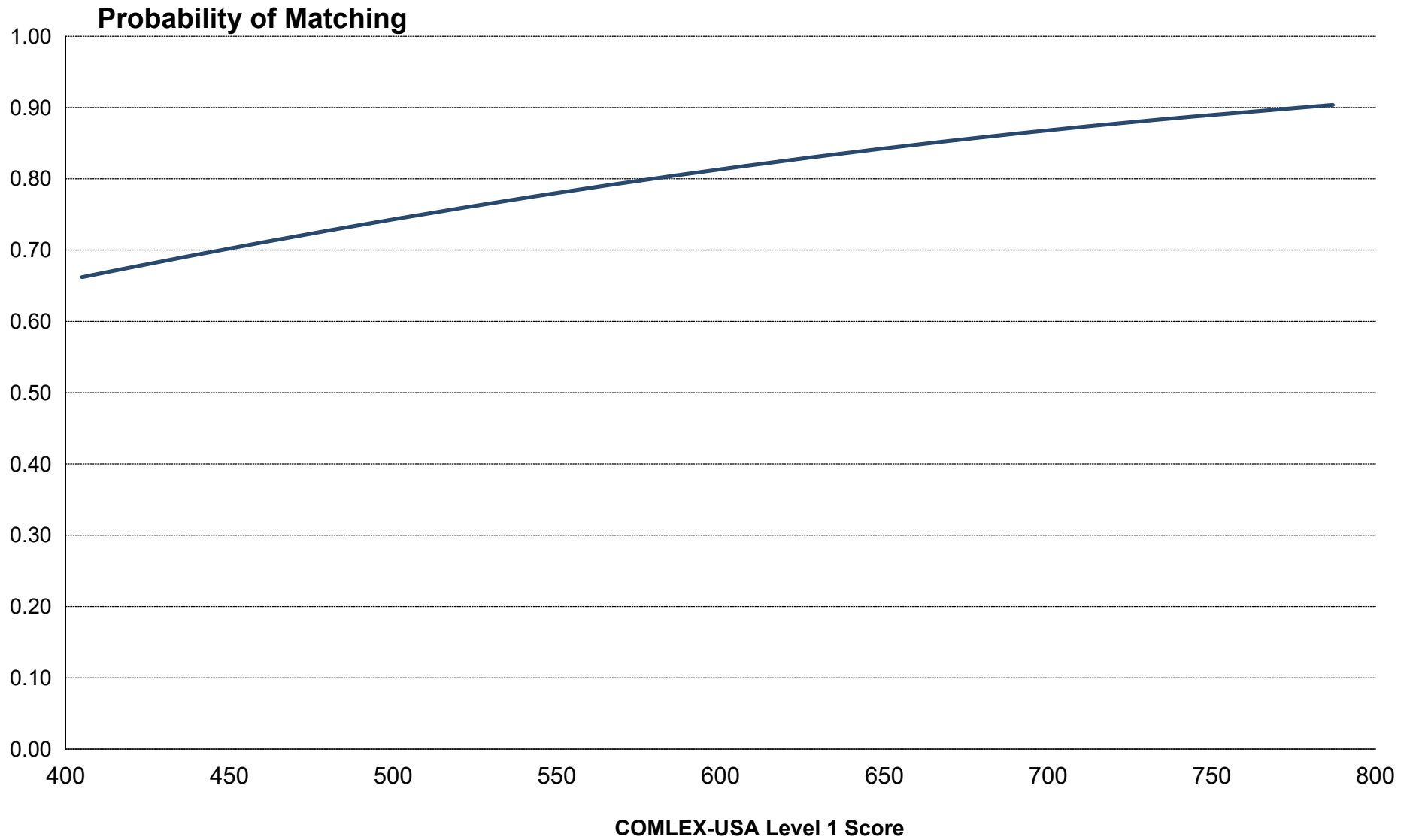
*Internal Medicine/Pediatrics*





**Graph  
IP-2**

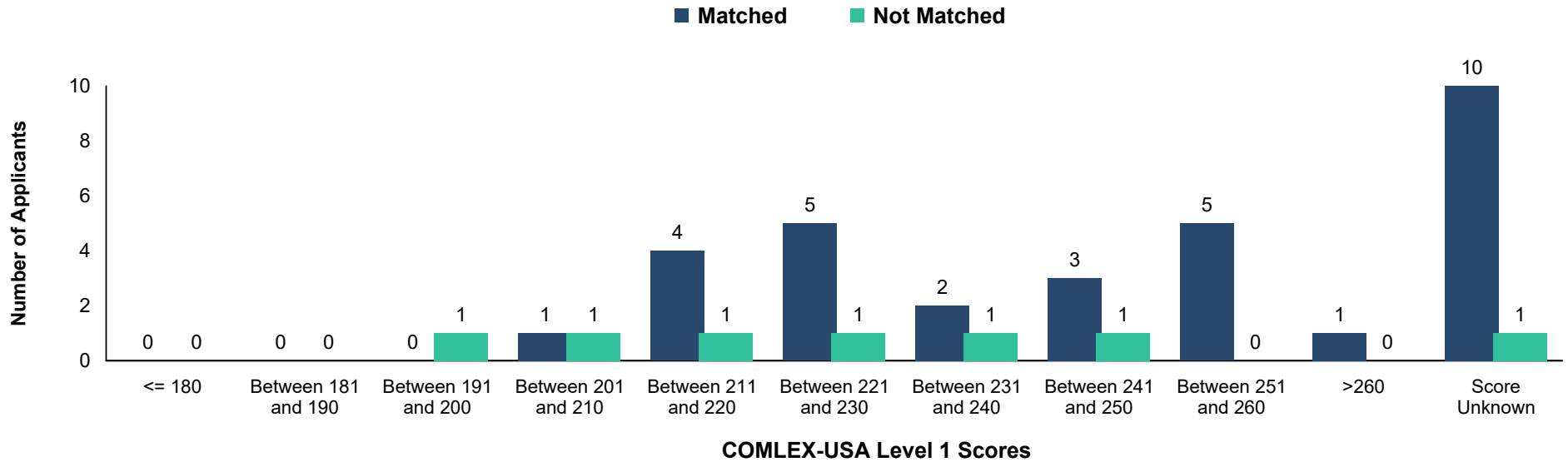
**Probability of U.S. DO Seniors Matching to Preferred Specialty by COMLEX-USA Level 1 Score**  
*Internal Medicine/Pediatrics*



So

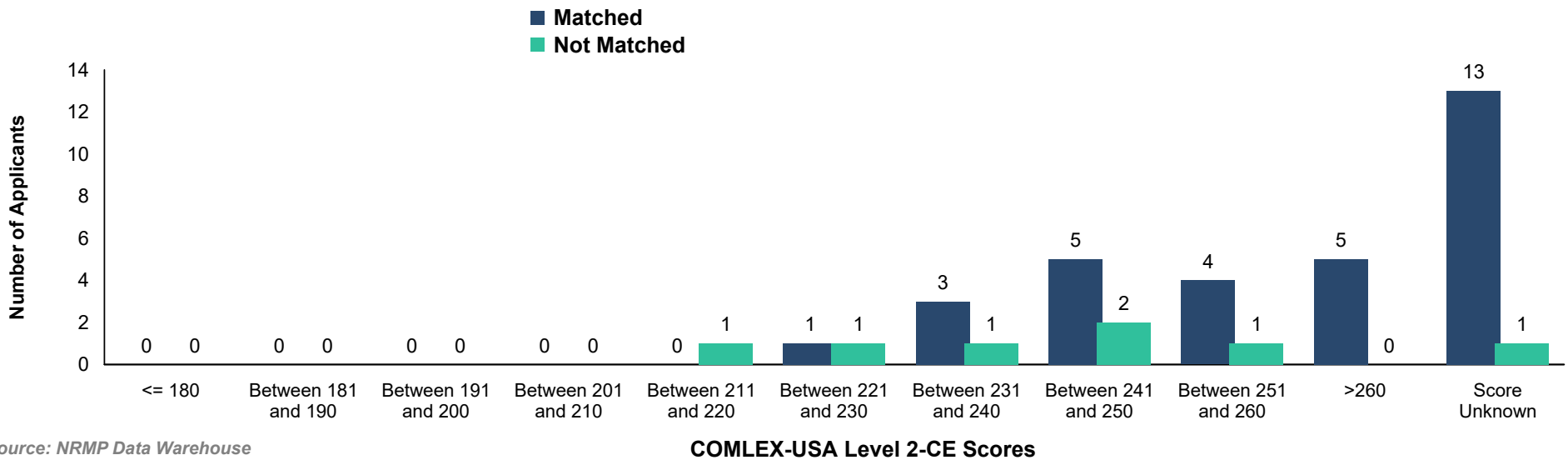
**Chart  
IP-5**

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



**Chart  
IP-6**

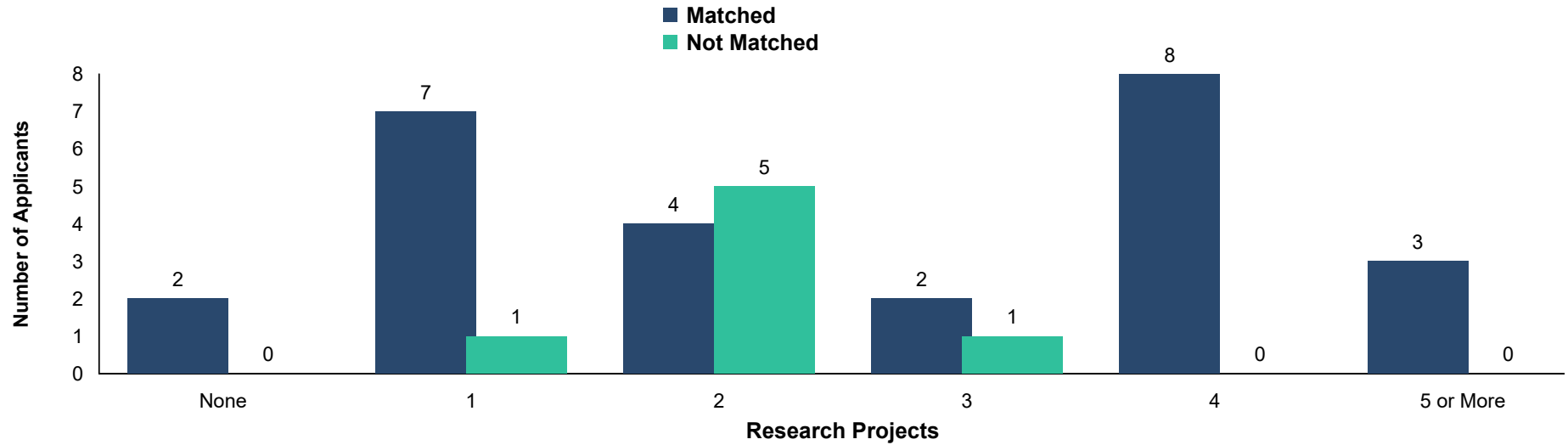
**USMLE Step 2 CK Scores of U.S. DO Seniors  
Internal Medicine/Pediatrics**



Source: NRMP Data Warehouse

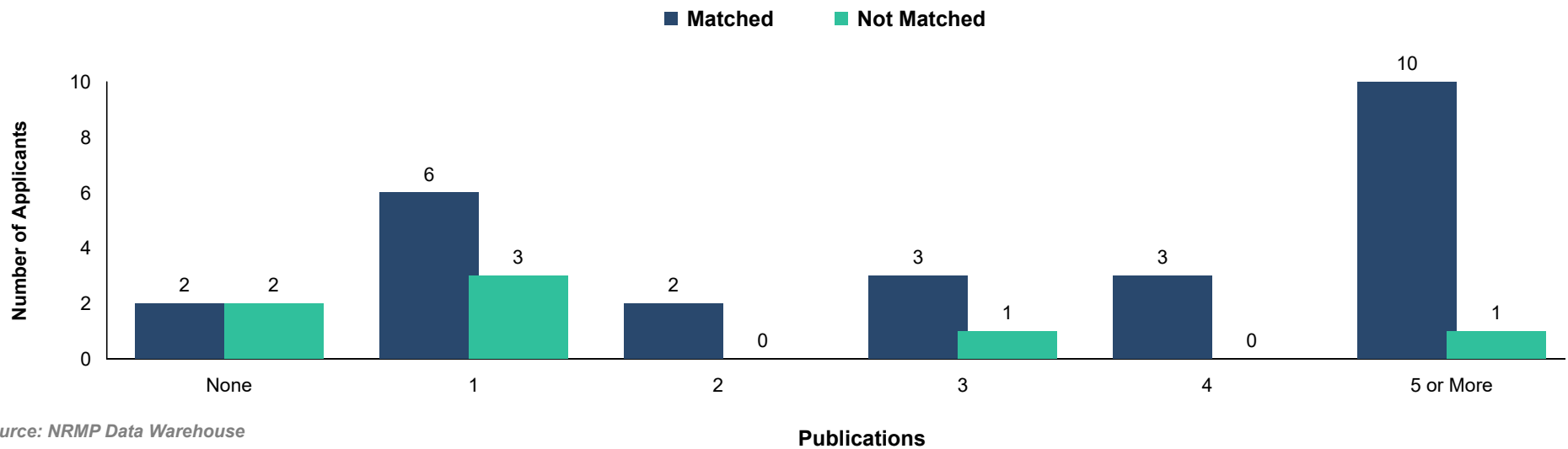
**Chart  
IP-7**

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



**Chart  
IP-8**

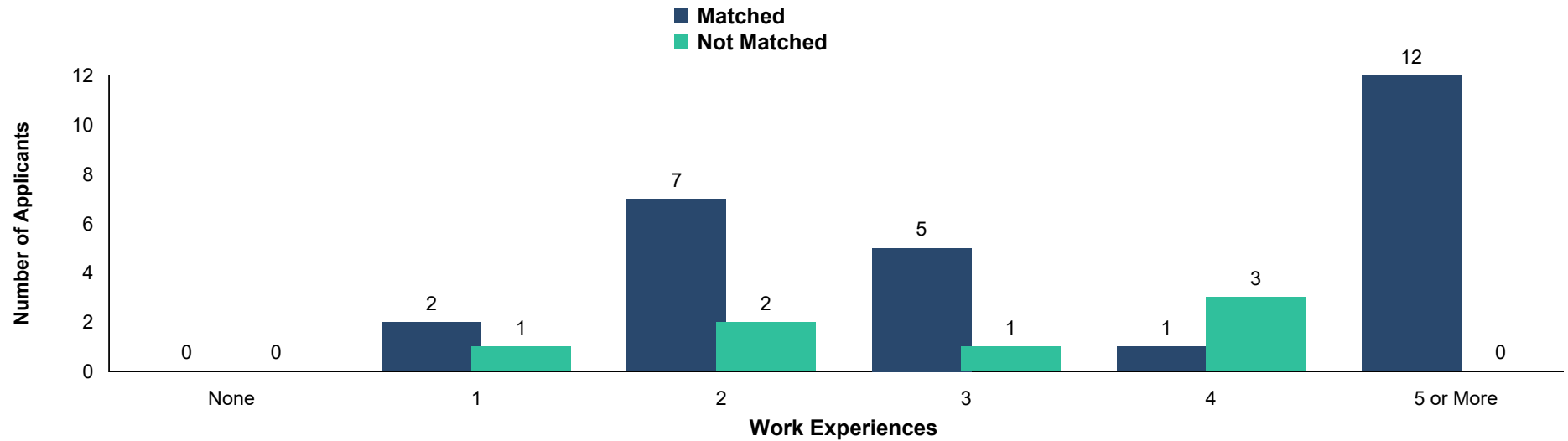
### Number of Abstracts, Presentations, and Publications of U.S. DO Seniors *Internal Medicine/Pediatrics*



Source: NRMP Data Warehouse

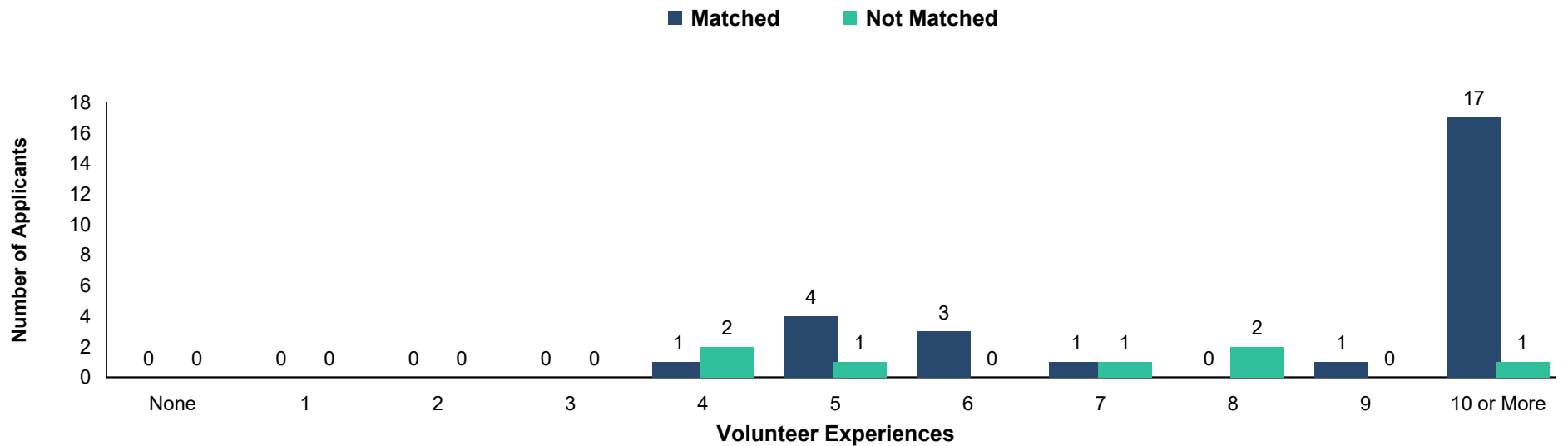
**Chart  
IP-9**

**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**

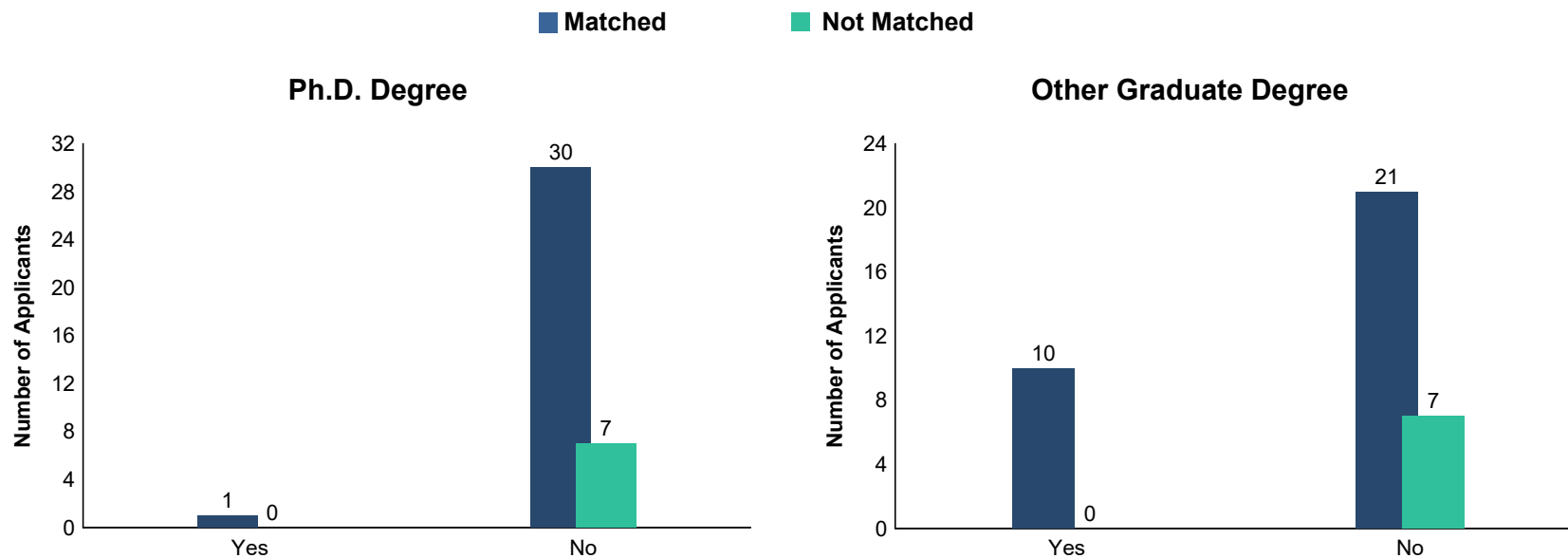


Source: NRMP Data Warehouse



**Chart  
IP-11**

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



Source: NRMP Data Warehouse.

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**IR** **Interventional Radiology**

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

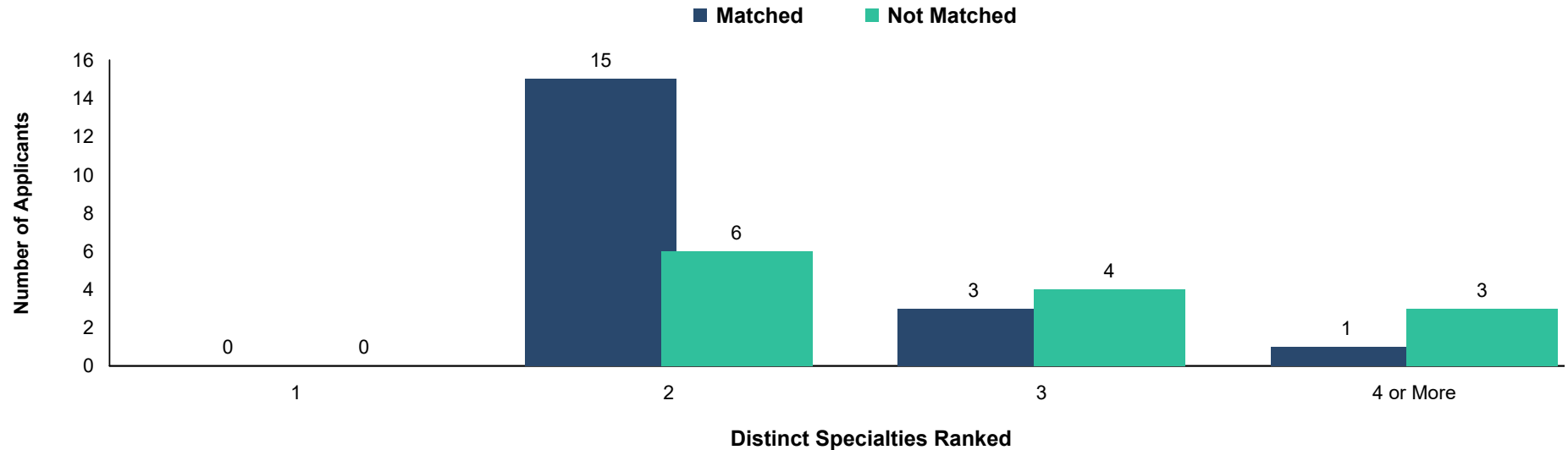
Measure	Matched (n=20)	Unmatched (n=13)
1. Mean number of contiguous ranks	5.0	2.3
2. Mean number of distinct specialties ranked	2.4	2.8
3. Mean COMLEX-USA Level 1 score	646	607
4. Mean COMLEX-USA Level 2-CE score	664	623
5. Mean USMLE Step 1 score	244	234
6. Mean USMLE Step 2 CK score	254	250
7. Mean number of research experiences	2.9	2.8
8. Mean number of abstracts, presentations, and publications	7.8	5.4
9. Mean number of work experiences	3.6	3.6
10. Mean number of volunteer experiences	8.1	6.5
11. Percentage who have a Ph.D. degree	0.0	0.0
12. Percentage who have another graduate degree	22.2	23.1

Source: NRMP Data Warehouse.

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

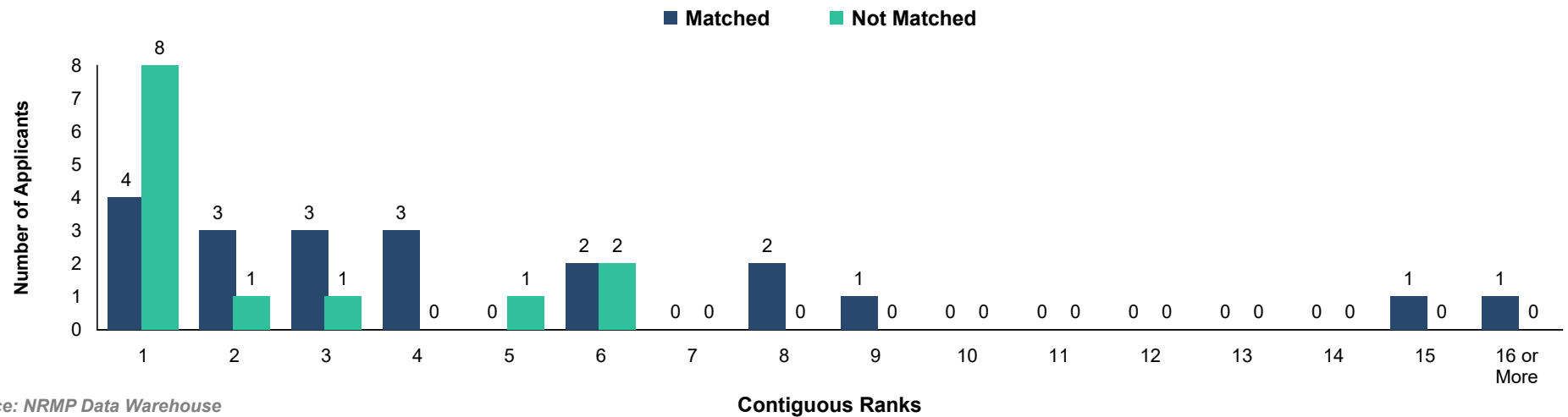
**Chart  
IR-1**

**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***

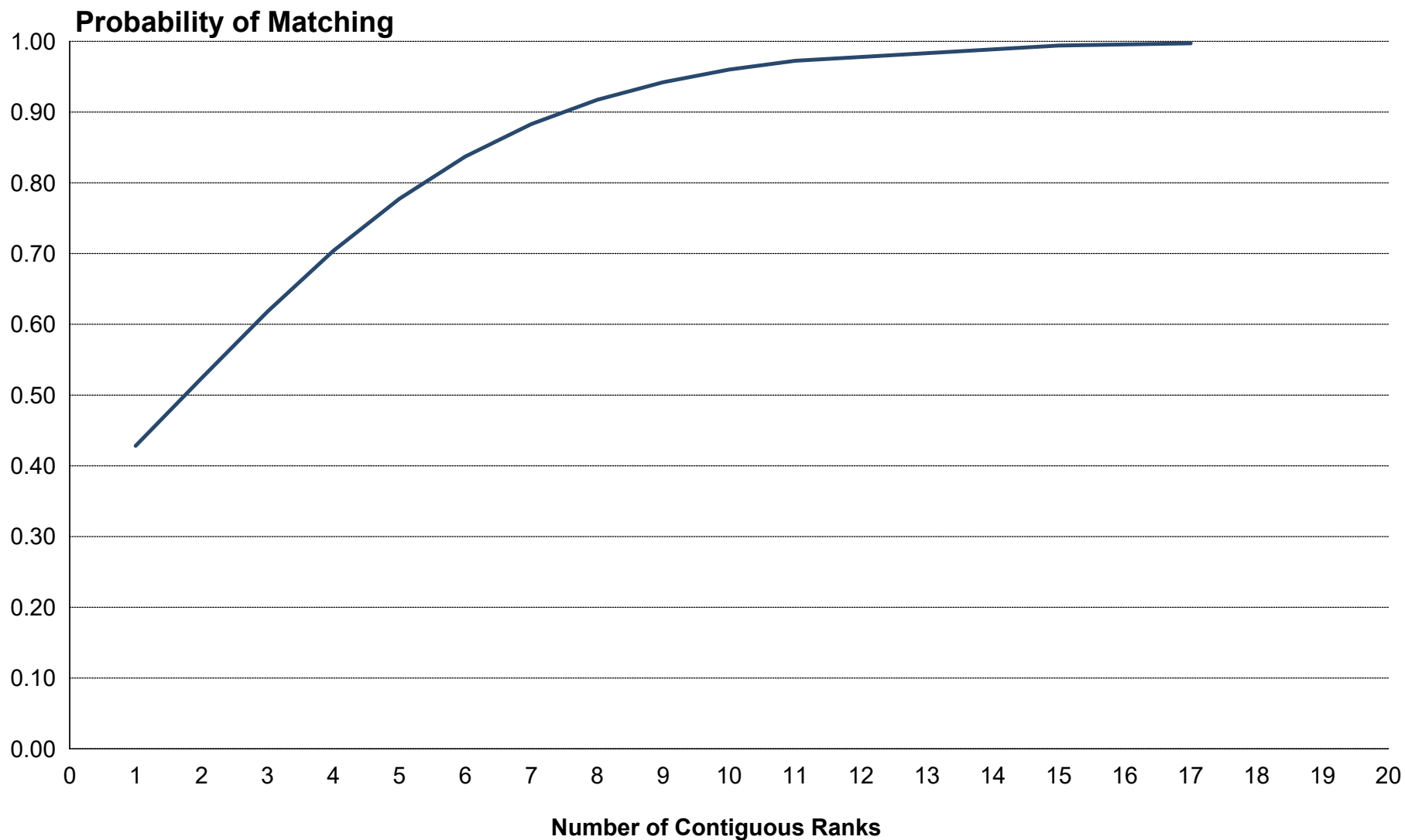


Source: NRMP Data Warehouse

**Graph  
IR-1**

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

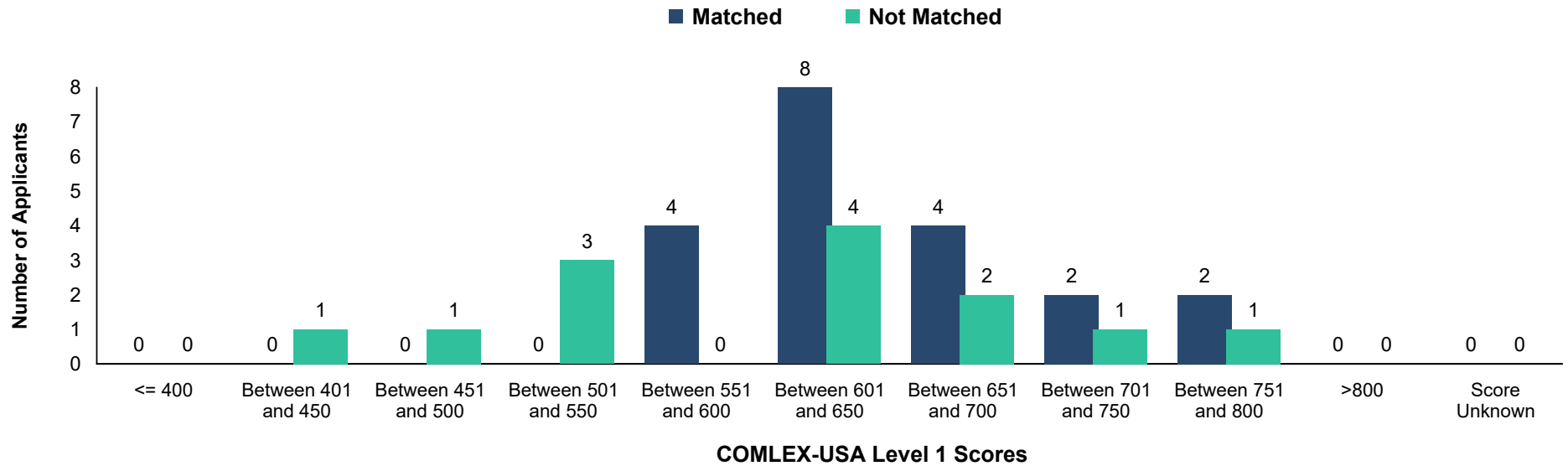
*Interventional Radiology*



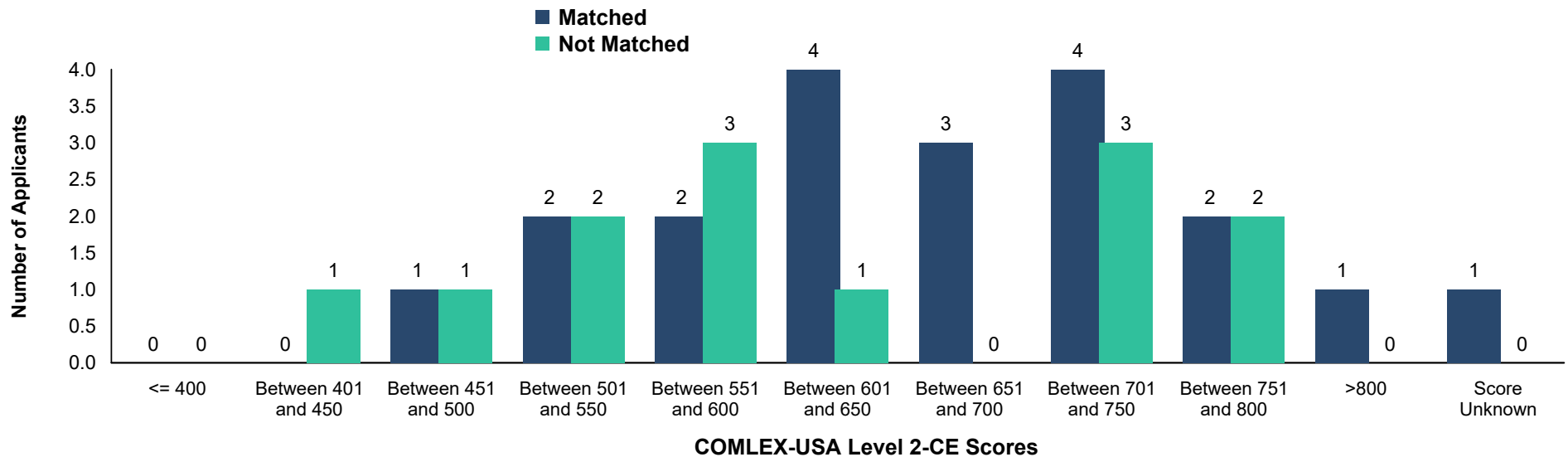
Source: NRMP Data Warehouse. Note: Probabilities calculated based on 2020-2022 applicants.

**Chart  
IR-3**

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



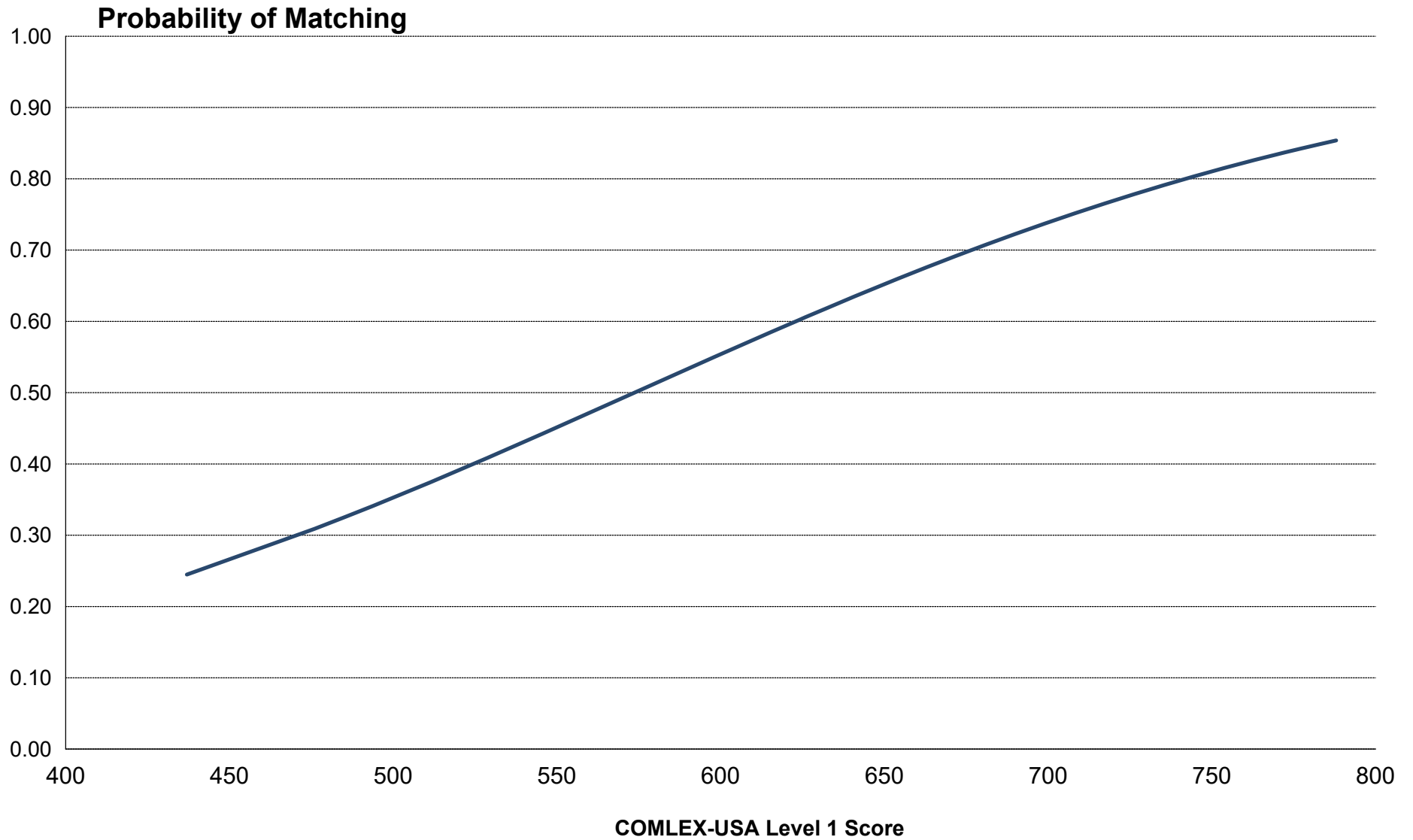
**IR-4** *Interventional Radiology*





**Graph  
IR-2**

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

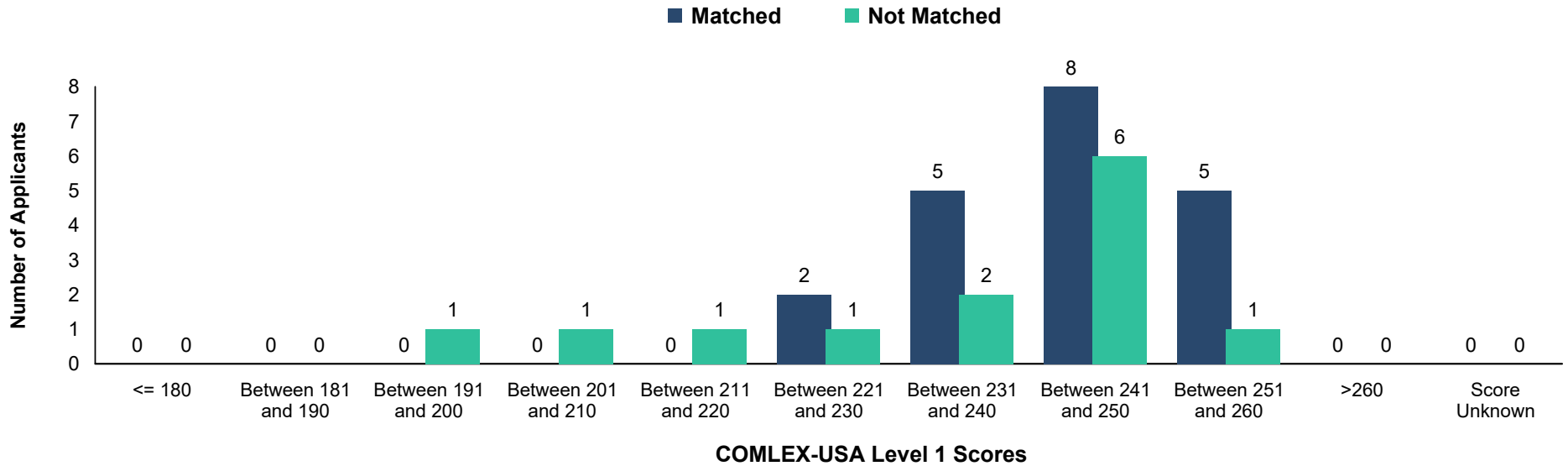


So



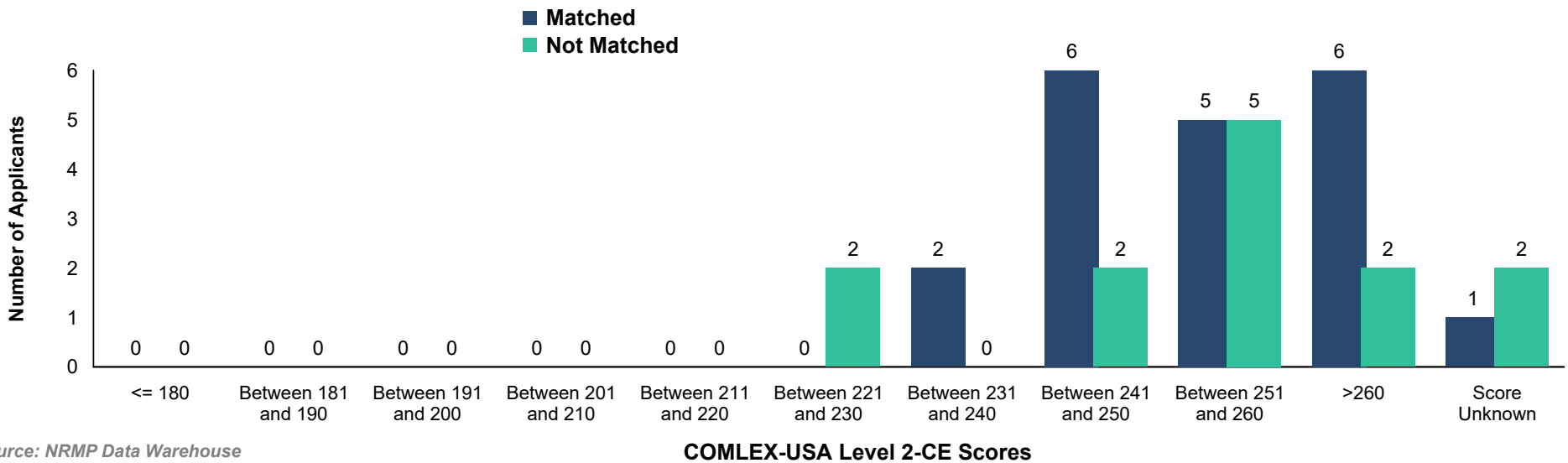
**Chart  
IR-5**

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



**Chart  
IR-6**

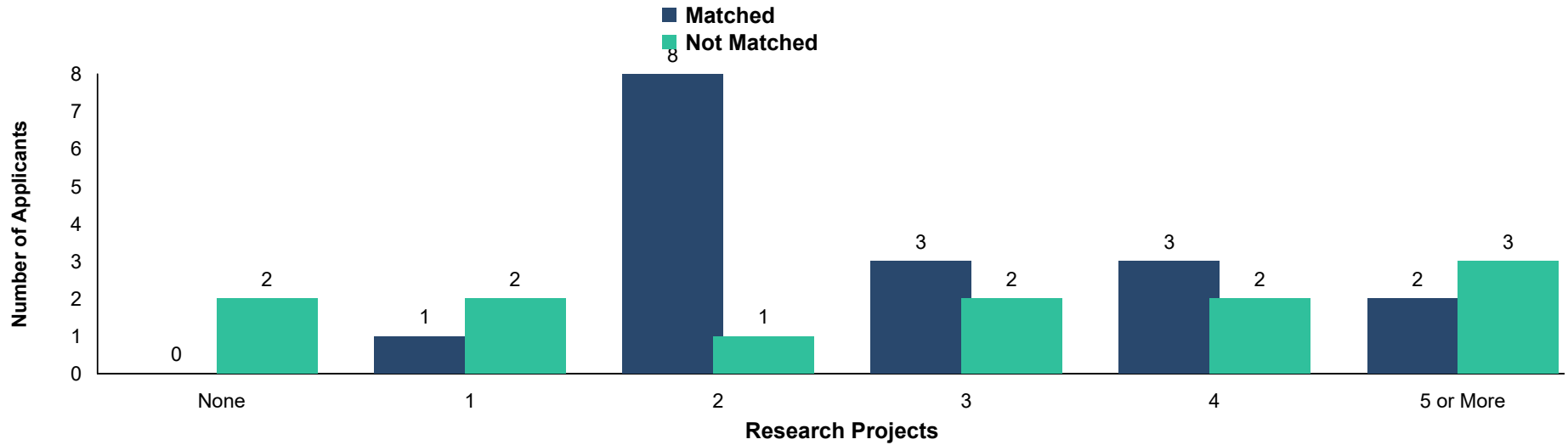
**USMLE Step 2 CK Scores of U.S. DO Seniors  
*Interventional Radiology***



Source: NRMP Data Warehouse

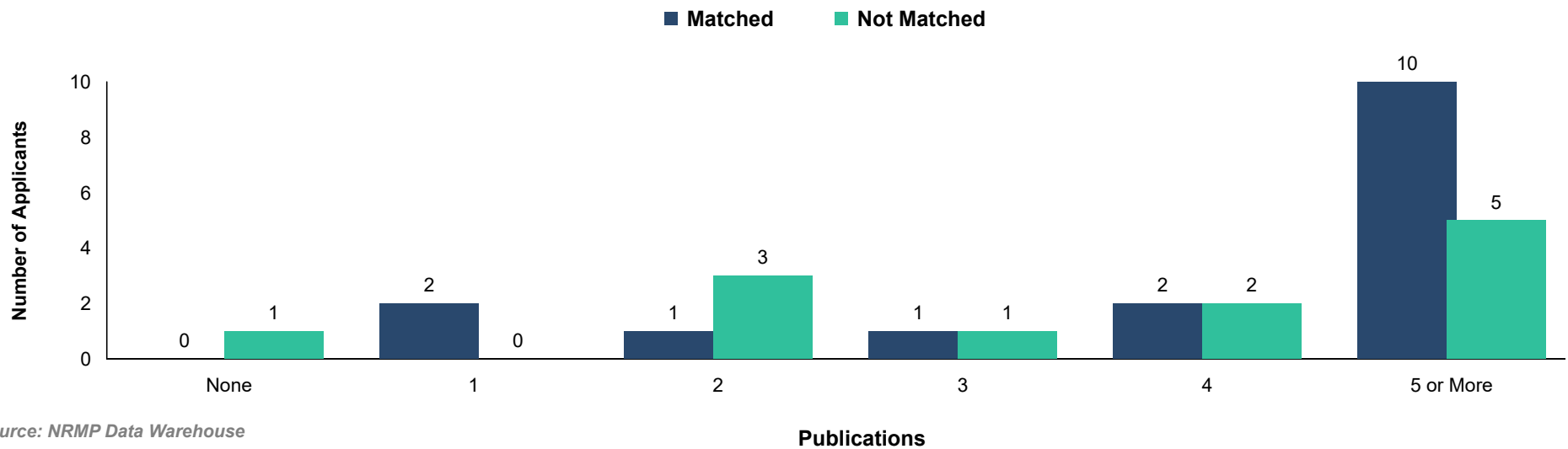
**Chart  
IR-7**

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



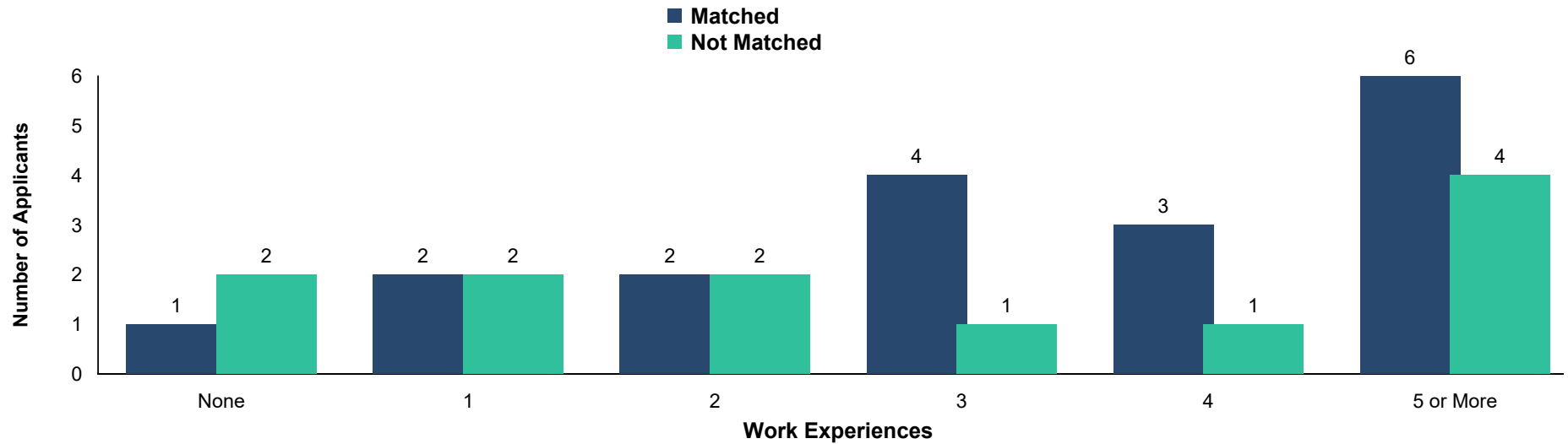
**Chart  
IR-8**

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

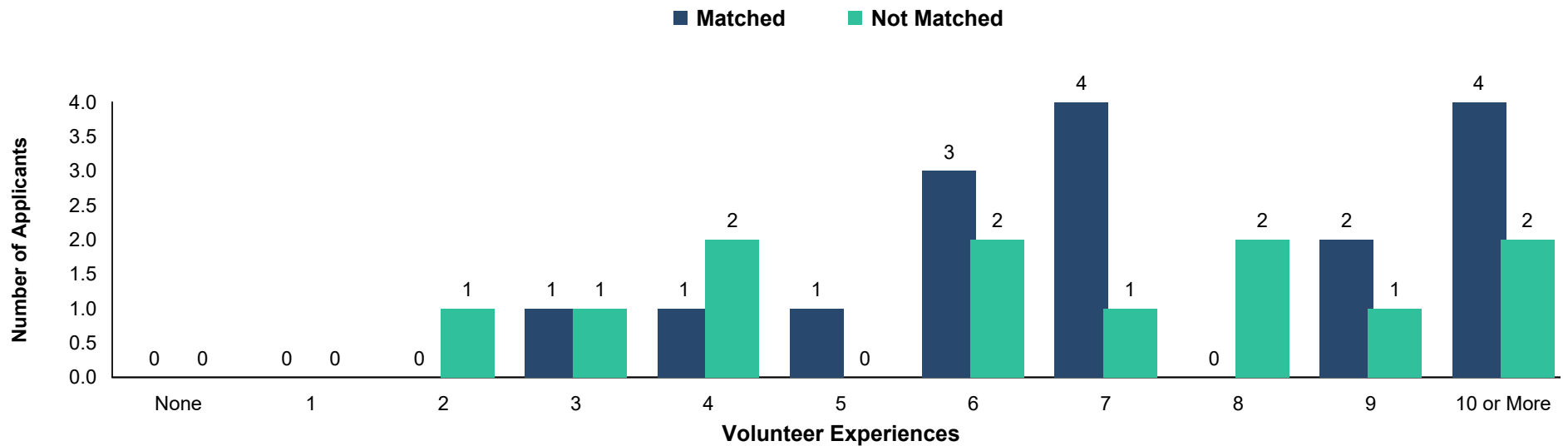


Source: NRMP Data Warehouse

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



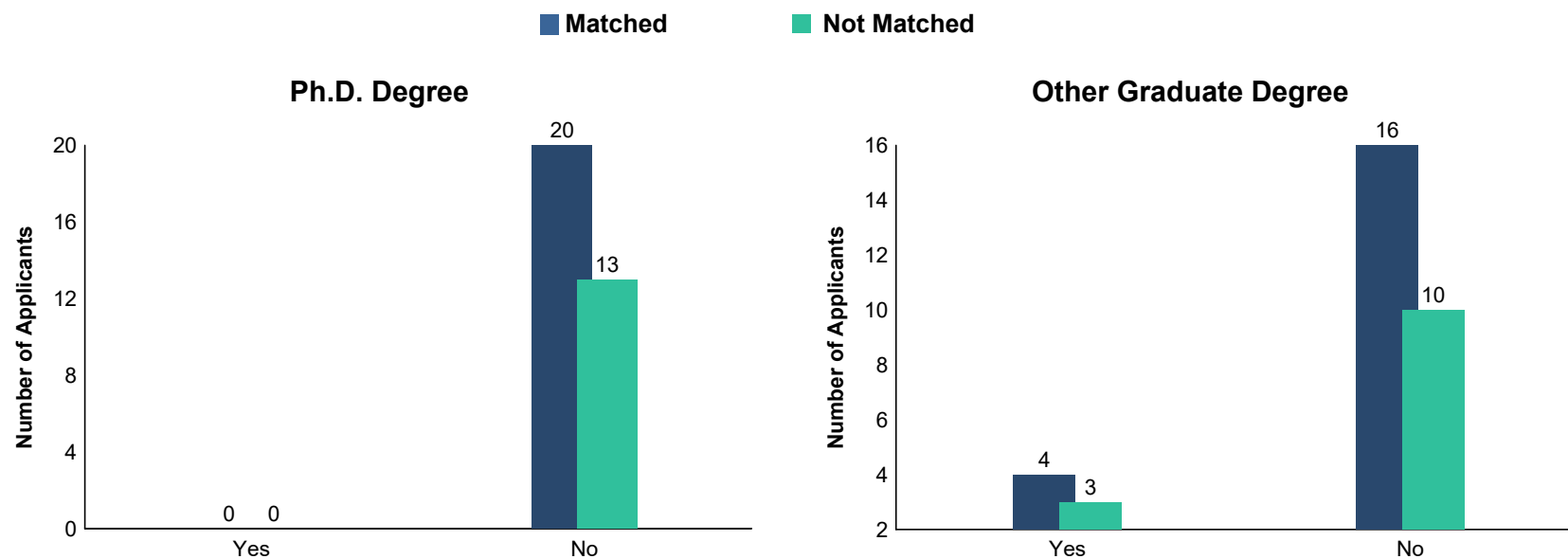
**Chart IR-10** Number of Volunteer Experiences of U.S. DO Seniors  
*Interventional Radiology*



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*

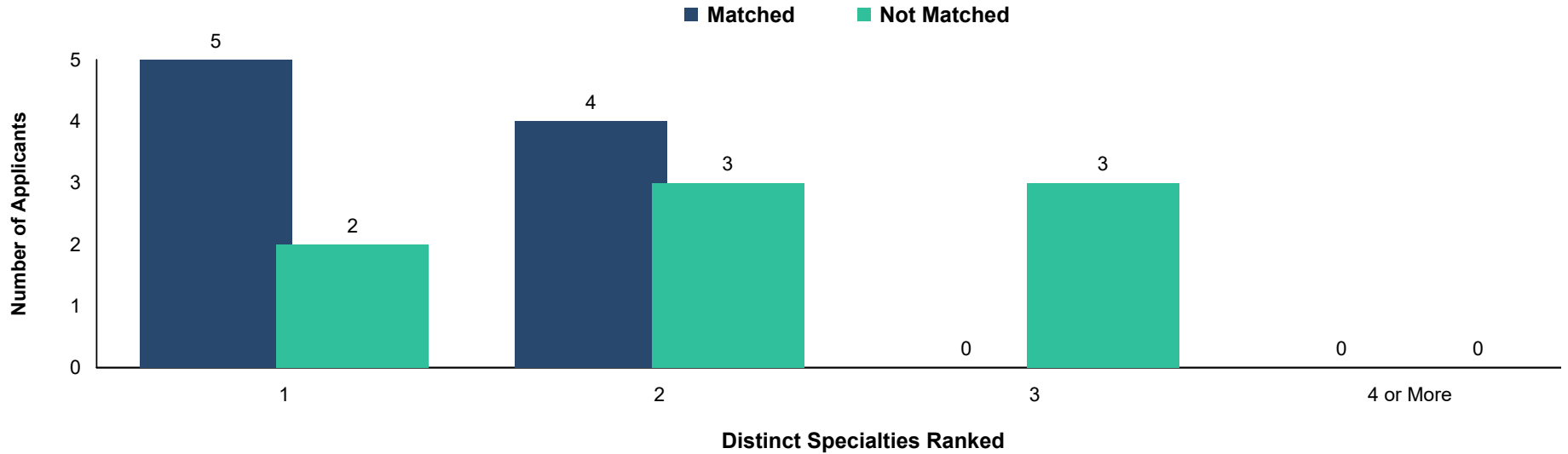
Measure	Matched (n=9)	Unmatched (n=8)
1. Mean number of contiguous ranks	11.0	2.9
2. Mean number of distinct specialties ranked	1.4	2.1
3. Mean COMLEX-USA Level 1 score	639	566
4. Mean COMLEX-USA Level 2-CE score	643	603
5. Mean USMLE Step 1 score	246	229
6. Mean USMLE Step 2 CK score	253	240
7. Mean number of research experiences	7.8	2.6
8. Mean number of abstracts, presentations, and publications	32.6	7.1
9. Mean number of work experiences	4.3	3.9
10. Mean number of volunteer experiences	6.8	7.3
11. Percentage who have a Ph.D. degree	0.0	0.0
12. Percentage who have another graduate degree	11.1	14.3

Source: NRMP Data Warehouse.

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

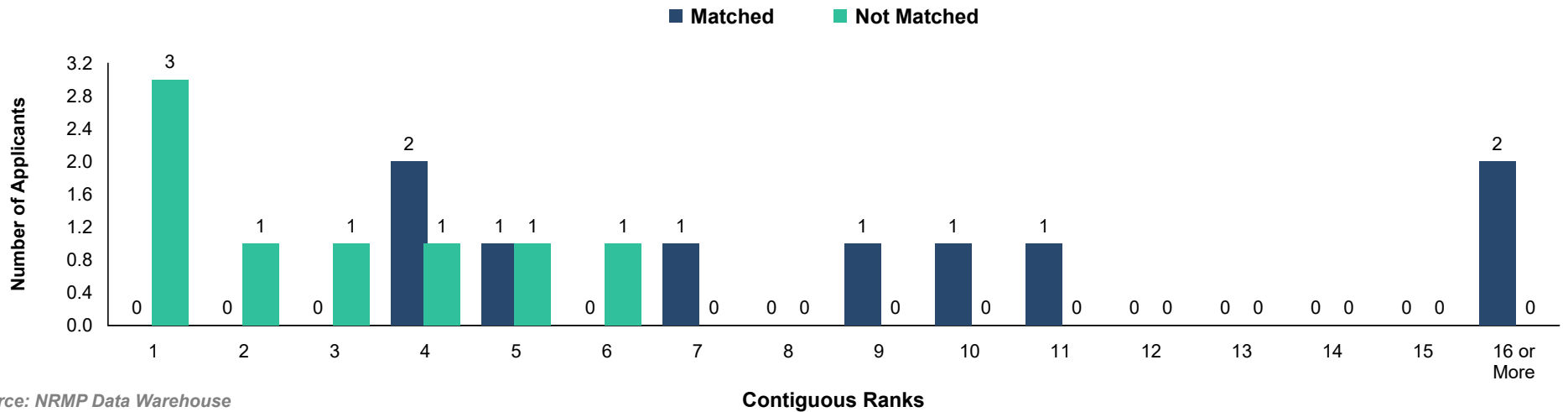
**Chart  
NS-1**

**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***

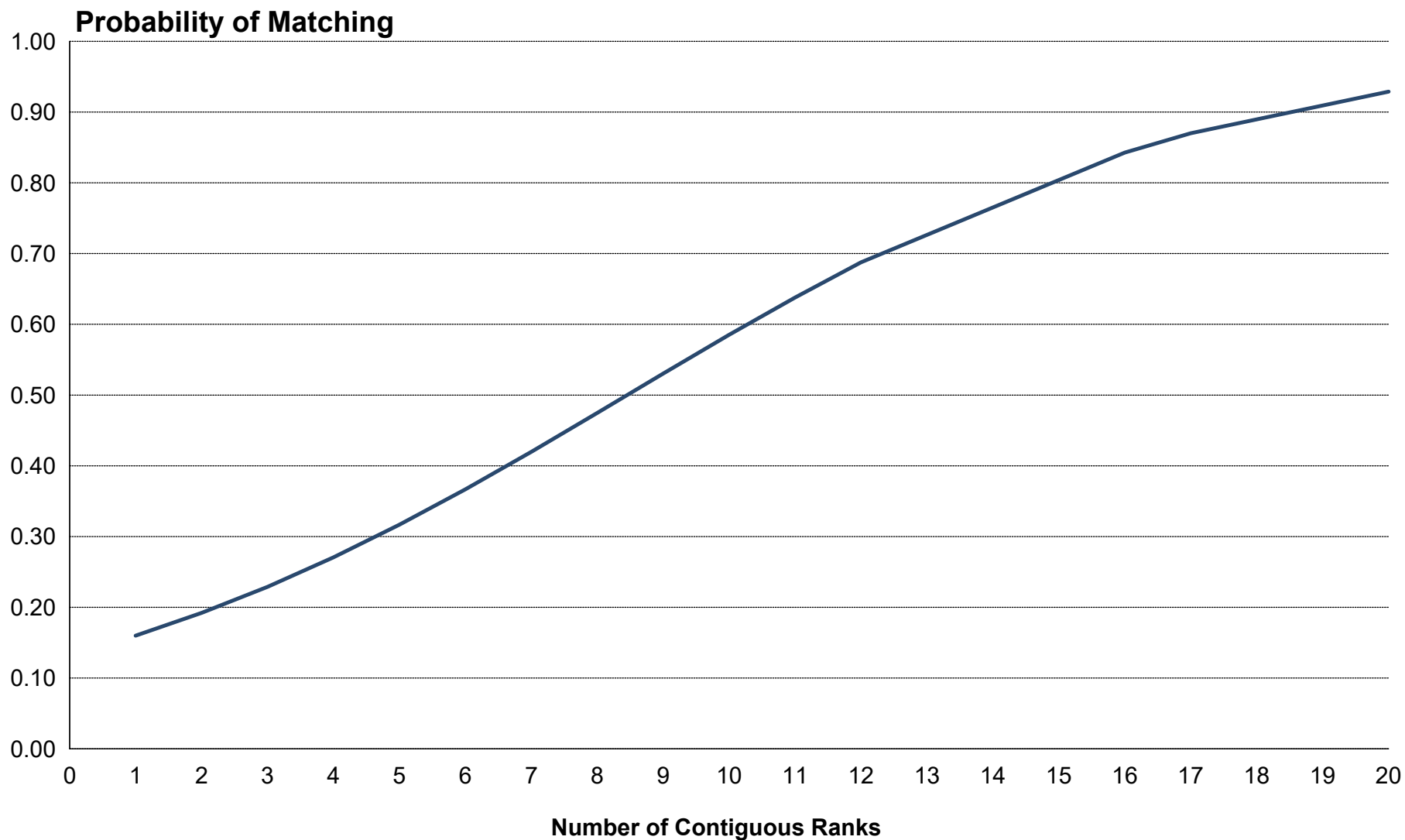


Source: NRMP Data Warehouse

**Graph  
NS-1**

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

*Neurological Surgery*

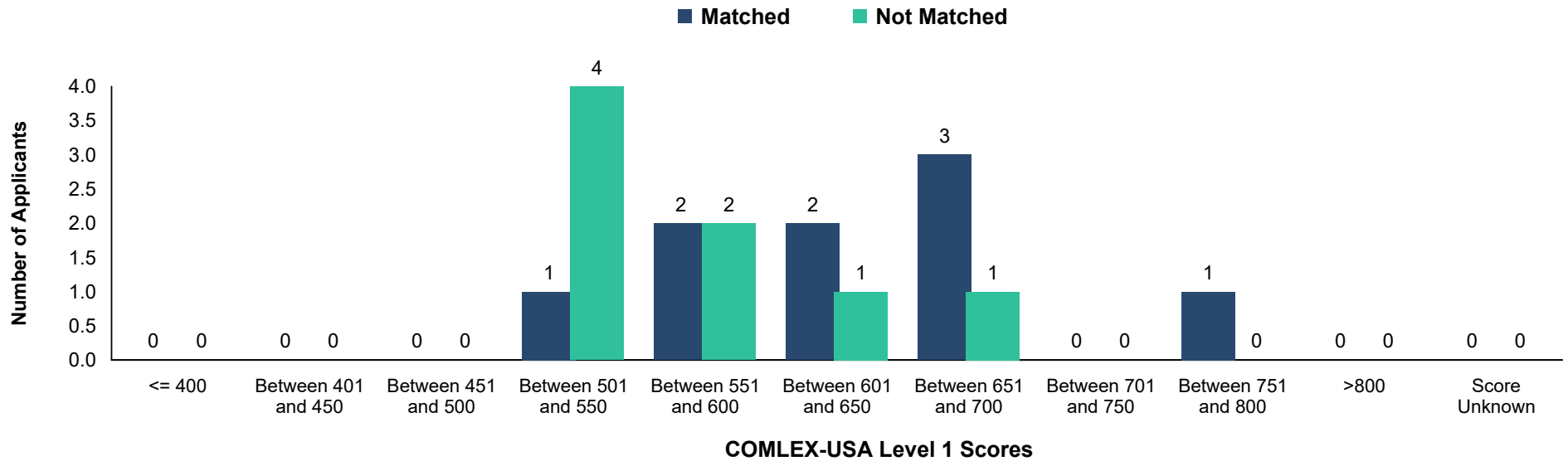


Source: NRMP Data Warehouse. Note: Probabilities calculated based on 2020-2022 applicants.

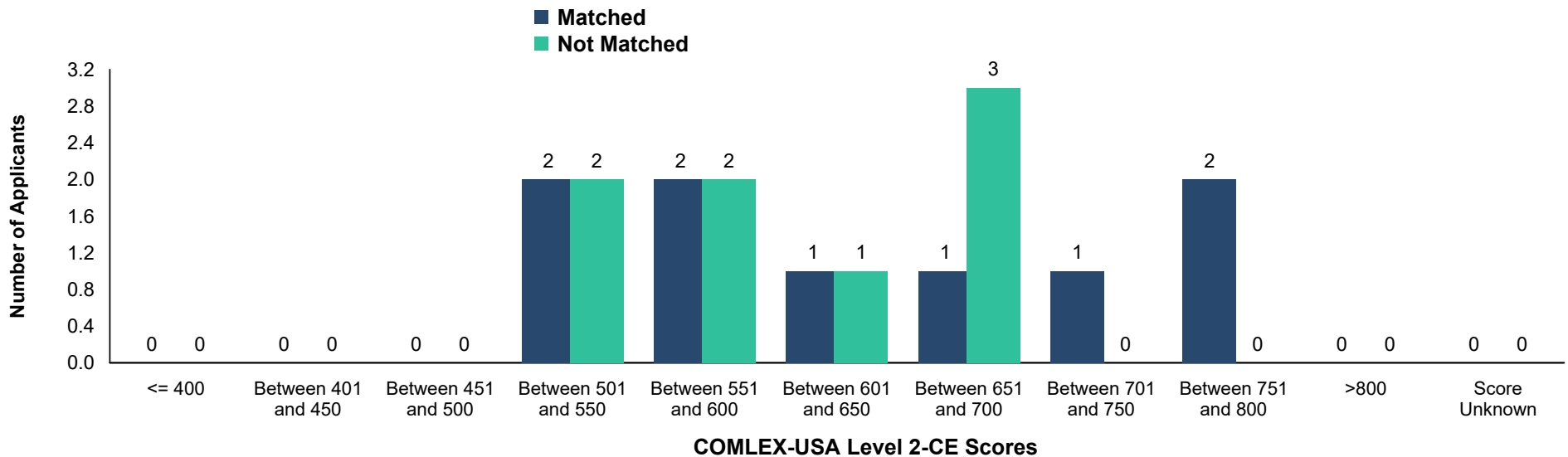


**Chart  
NS-3**

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



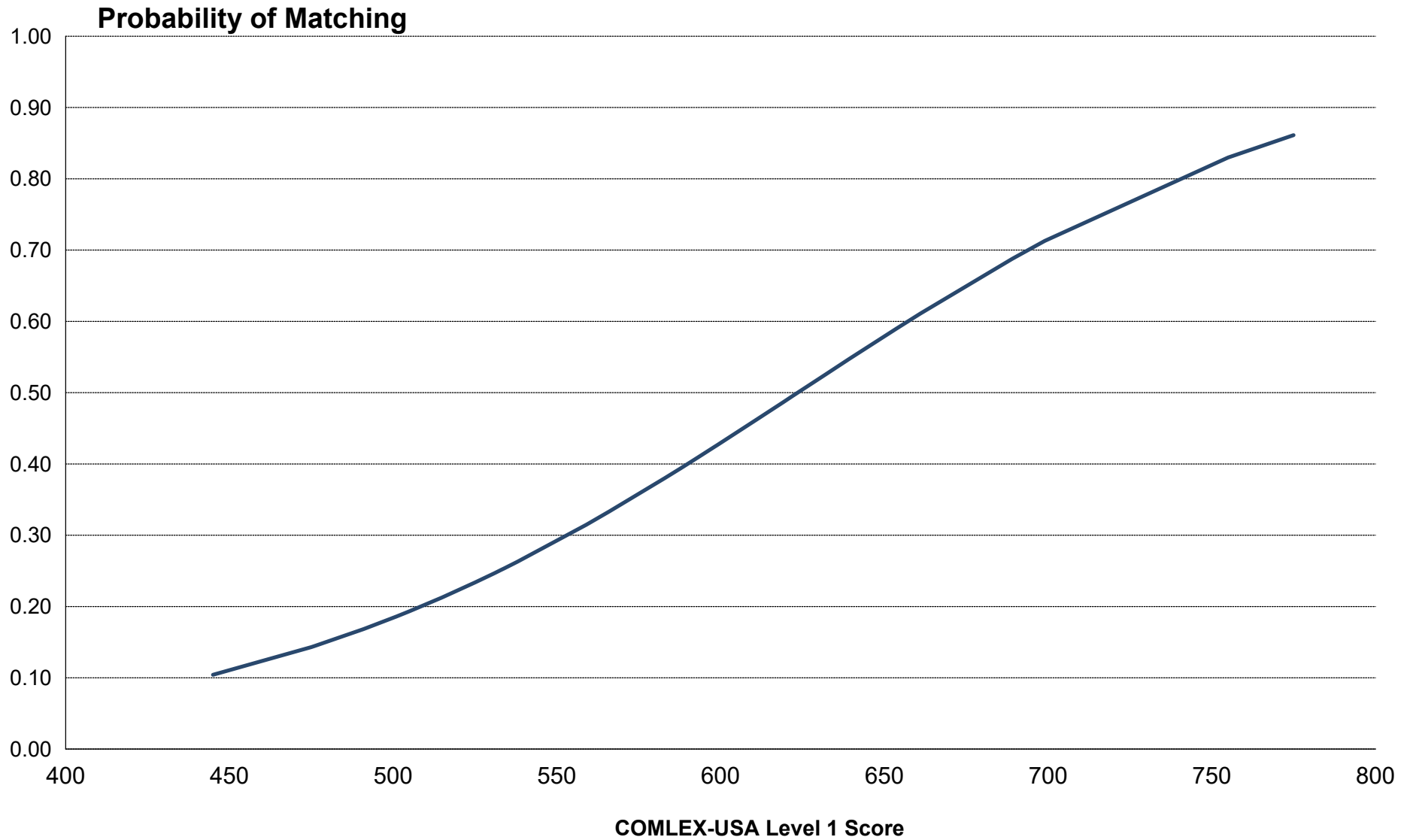
**NS-4** *Neurological Surgery*





**Graph  
NS-2**

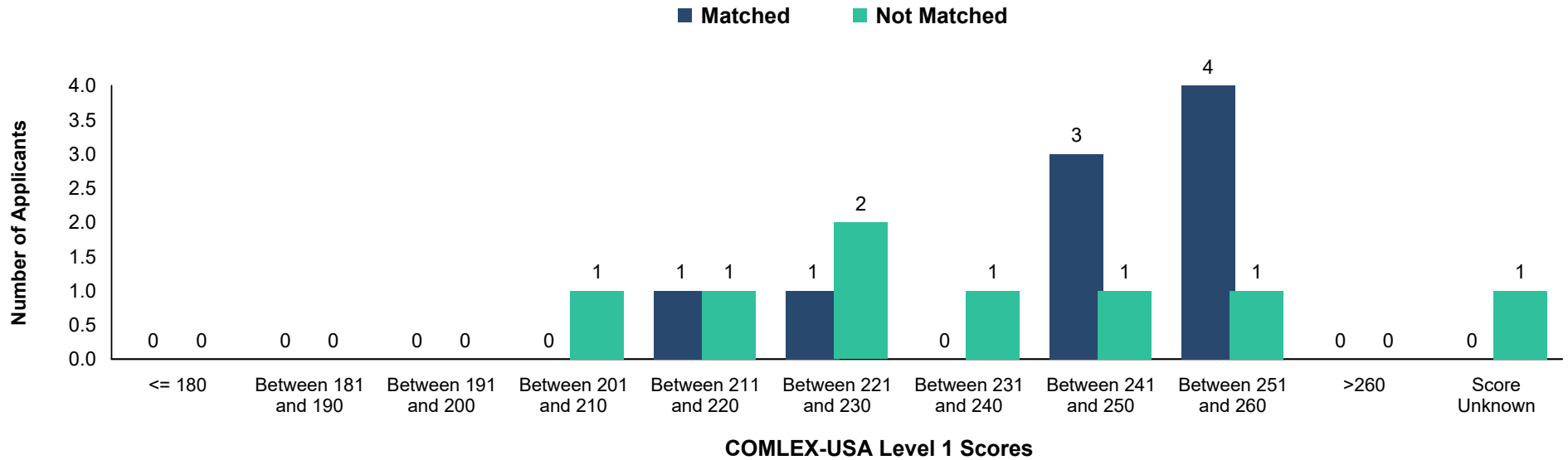
**Probability of U.S. DO Seniors Matching to Preferred Specialty by COMLEX-USA Level 1 Score**  
*Neurological Surgery*



So

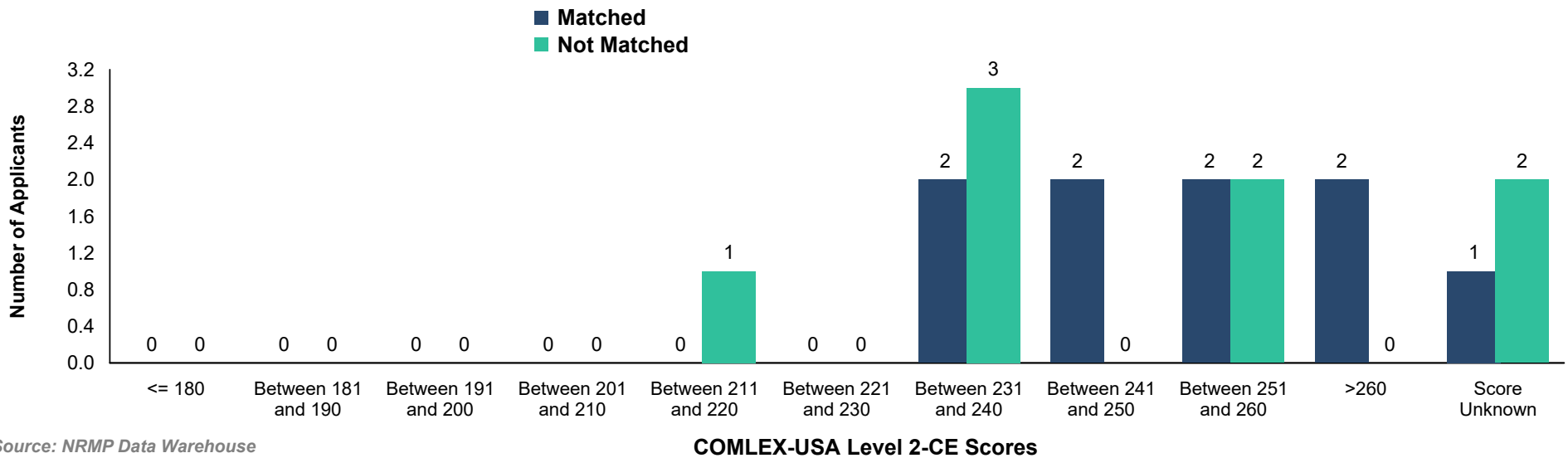
**Chart  
NS-5**

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



**Chart  
NS-6**

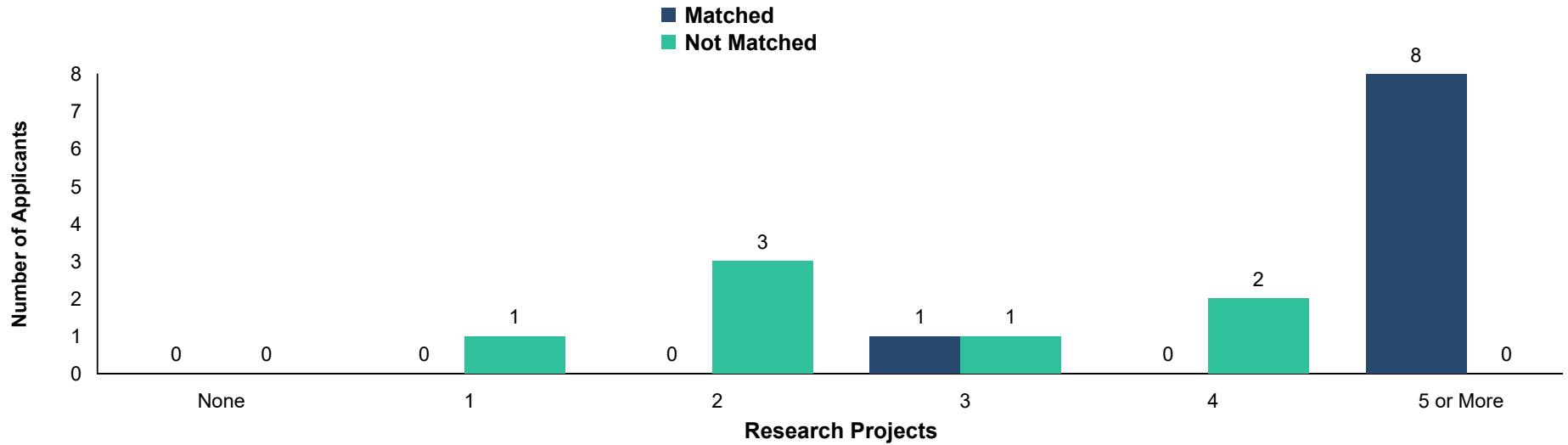
**USMLE Step 2 CK Scores of U.S. DO Seniors  
Neurological Surgery**



Source: NRMP Data Warehouse

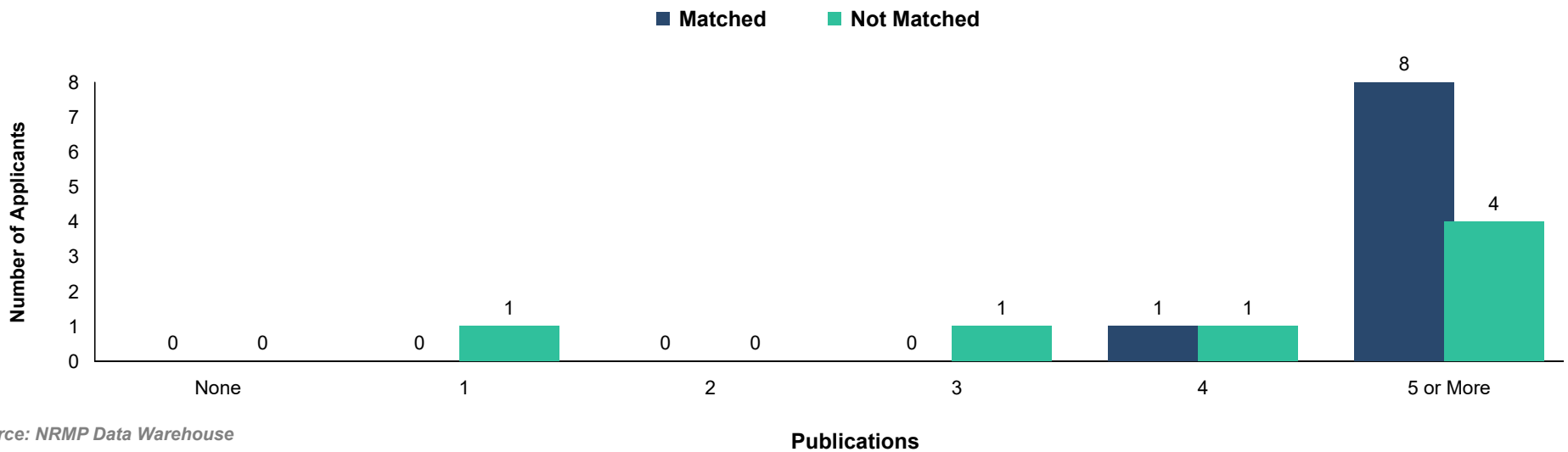
**Chart  
NS-7**

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



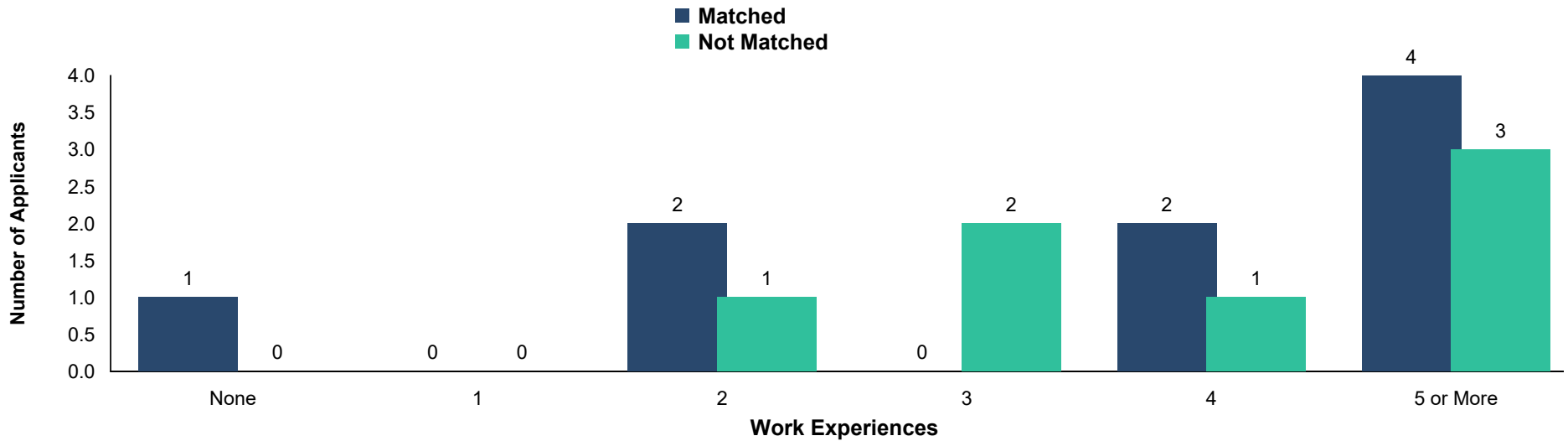
**Chart  
NS-8**

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

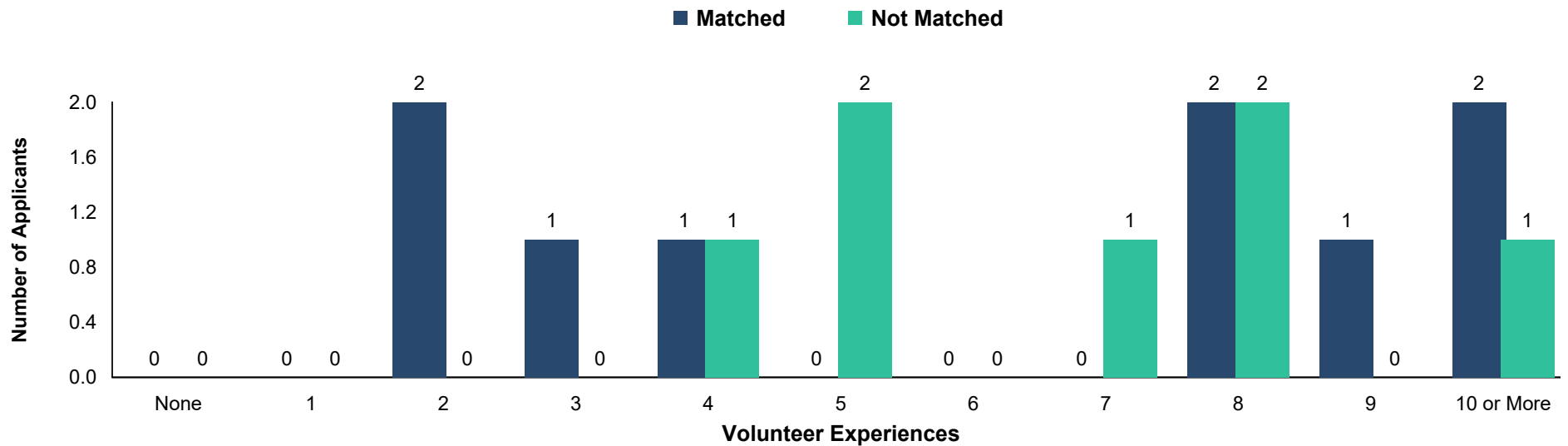


Source: NRMP Data Warehouse

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



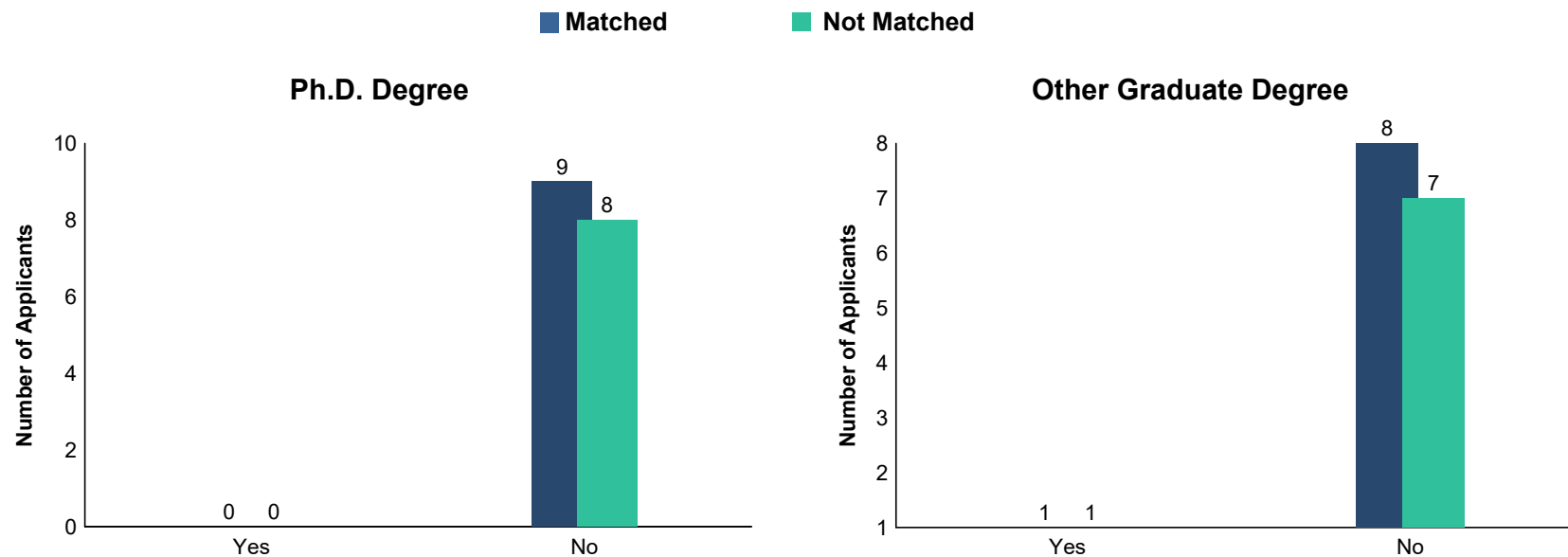
**Chart NS-10** Number of Volunteer Experiences of U.S. DO Seniors  
*Neurological Surgery*



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*

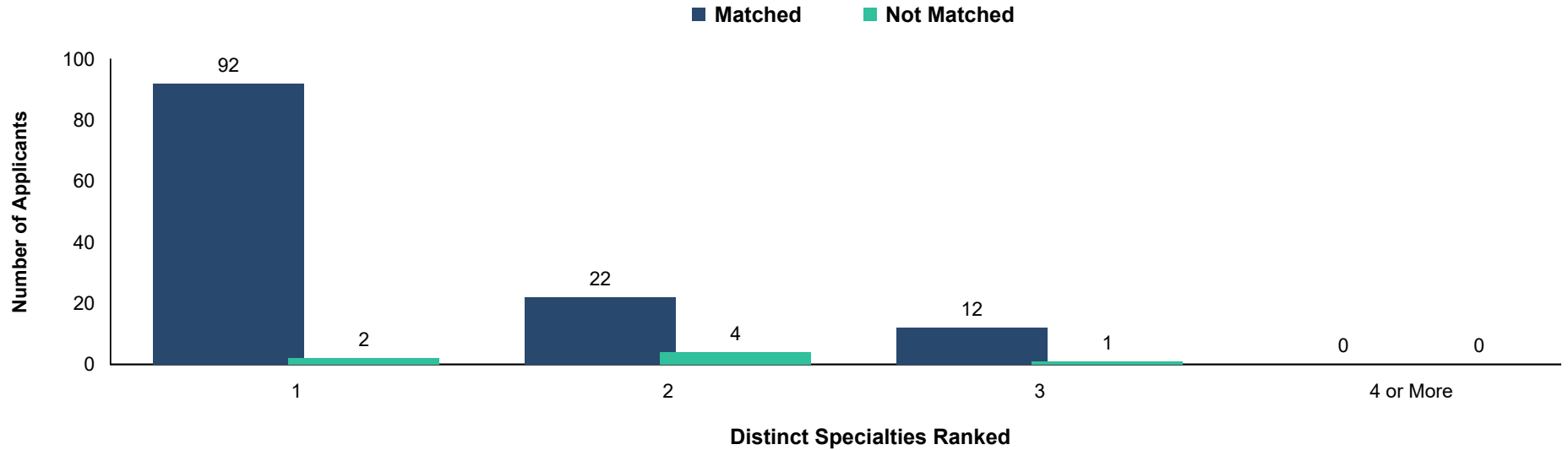
Measure	Matched (n=126)	Unmatched (n=7)
1. Mean number of contiguous ranks	12.4	4.9
2. Mean number of distinct specialties ranked	1.4	1.9
3. Mean COMLEX-USA Level 1 score	542	485
4. Mean COMLEX-USA Level 2-CE score	563	477
5. Mean USMLE Step 1 score	227	208
6. Mean USMLE Step 2 CK score	237	227
7. Mean number of research experiences	2.6	2.0
8. Mean number of abstracts, presentations, and publications	3.3	6.7
9. Mean number of work experiences	3.5	5.8
10. Mean number of volunteer experiences	6.7	4.5
11. Percentage who have a Ph.D. degree	0.8	0.0
12. Percentage who have another graduate degree	29.3	16.7

Source: NRMP Data Warehouse.

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

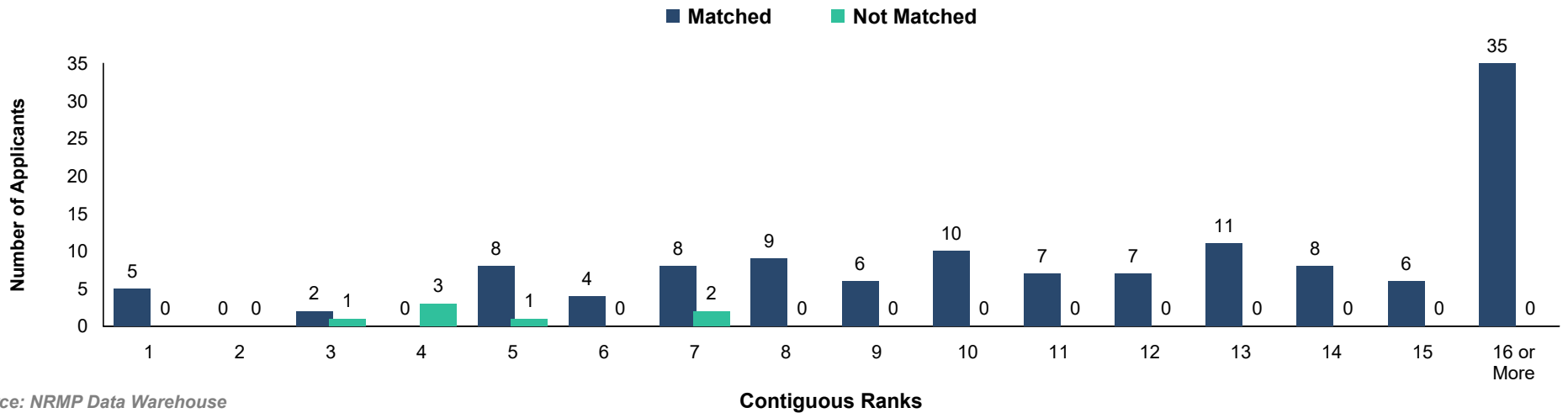
**Chart  
N-1**

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



**Chart  
N-2**

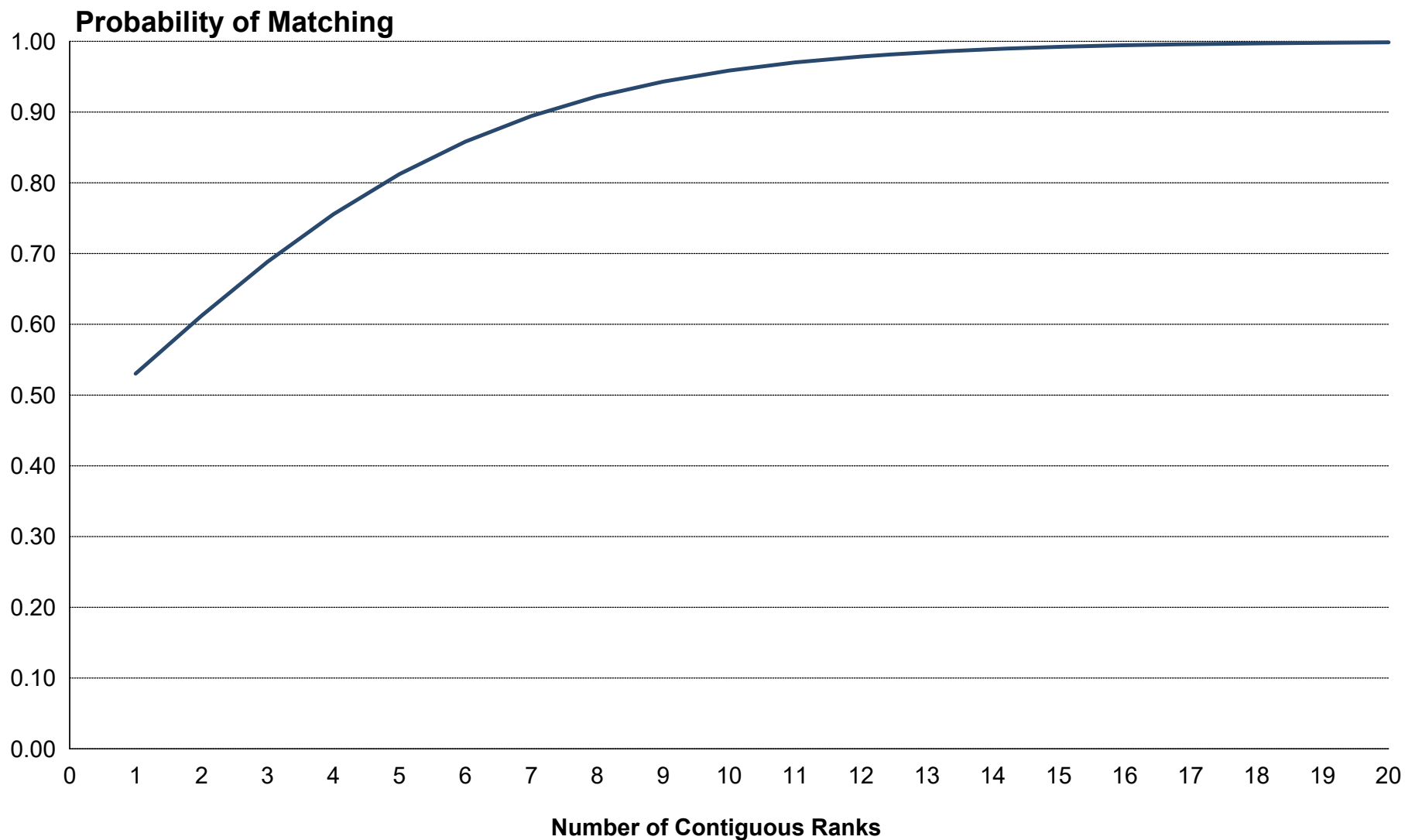
**Number of Contiguous Ranks of U.S. DO Seniors  
Neurology**



Source: NRMP Data Warehouse

**Graph  
N-1**

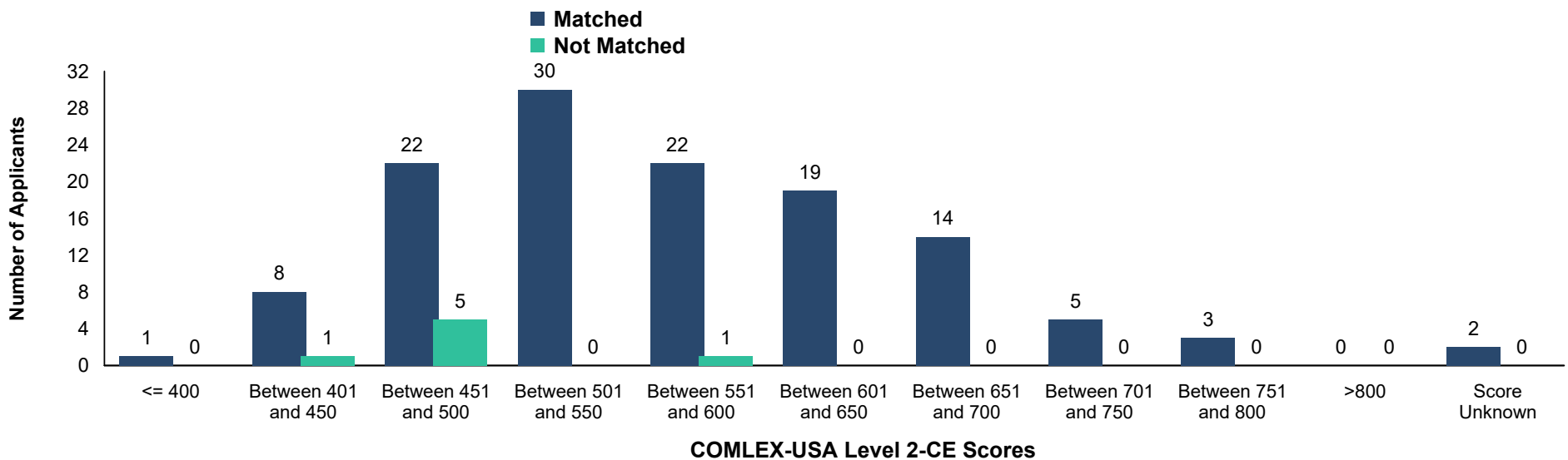
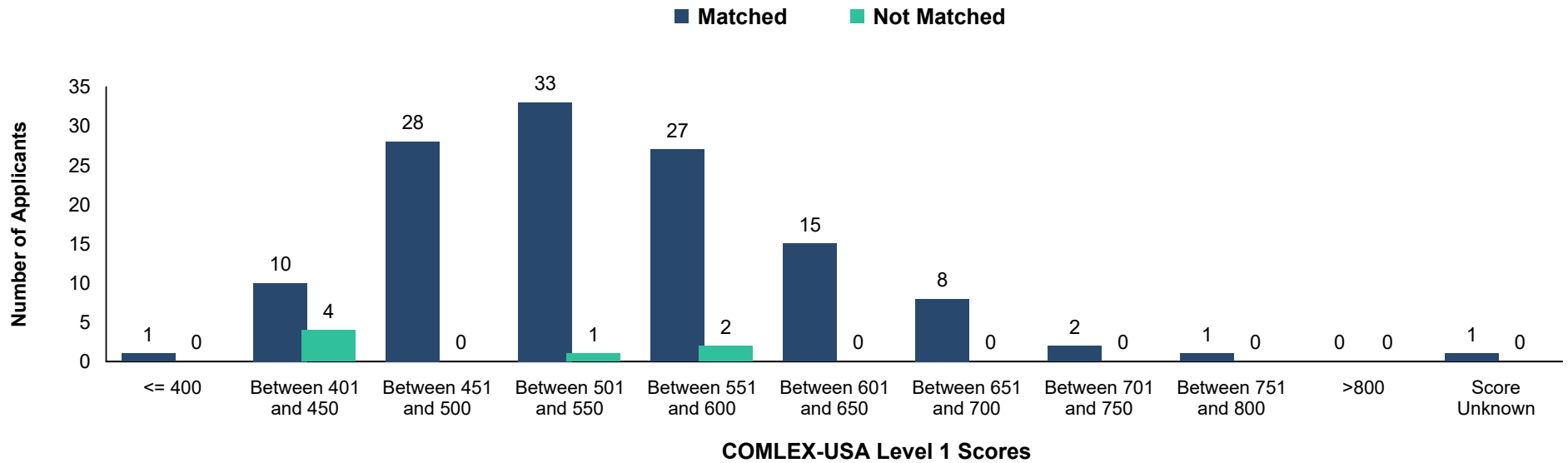
**Probability of U.S. DO Seniors Matching to Preferred Specialty by Number of Contiguous Ranks**  
*Neurology*



Source: NRMP Data Warehouse. Note: Probabilities calculated based on 2020-2022 applicants.

**Chart  
N-3**

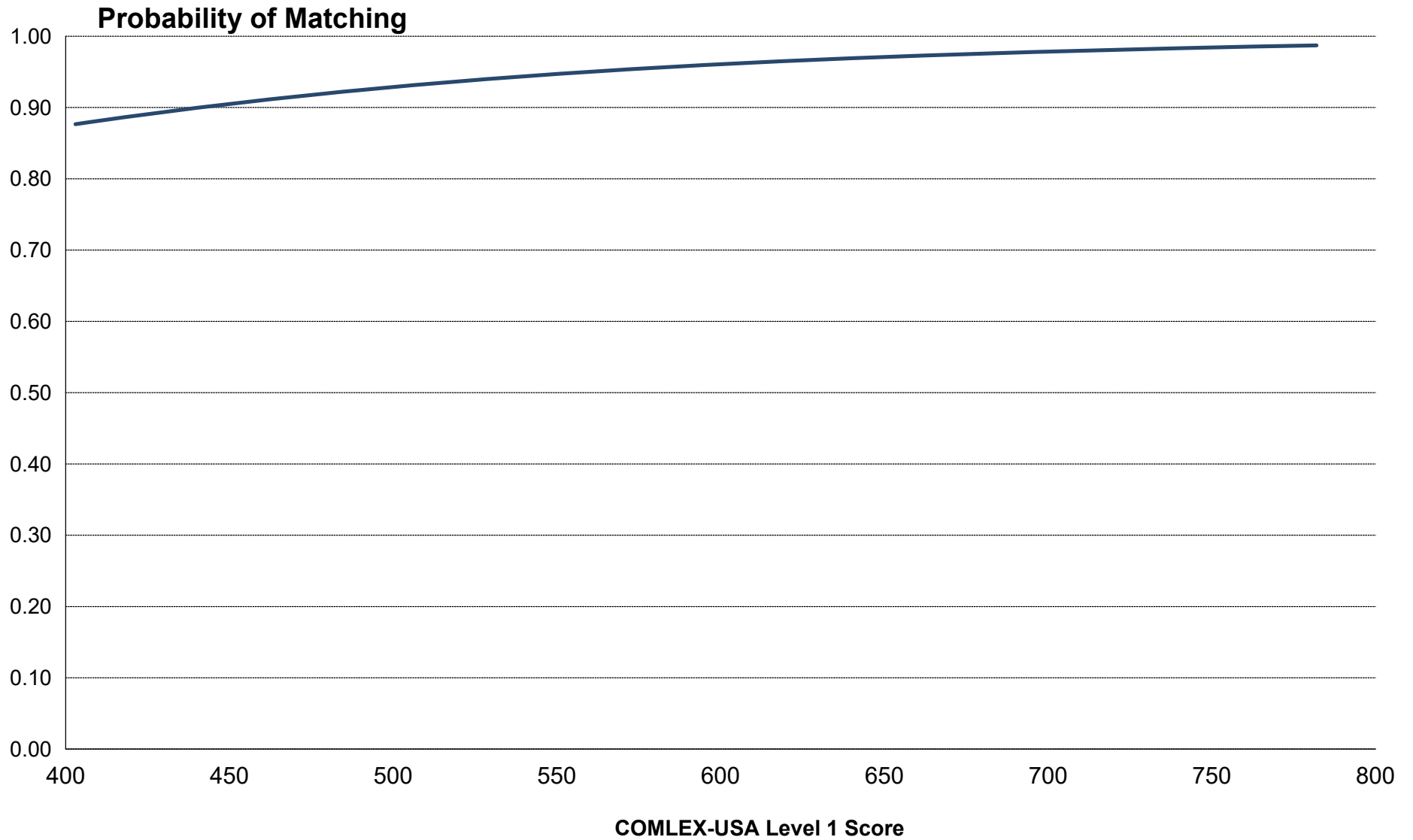
**COMLEX-USA Level 1 Scores of U.S. DO Seniors**  
*Neurology*





**Graph  
N-2**

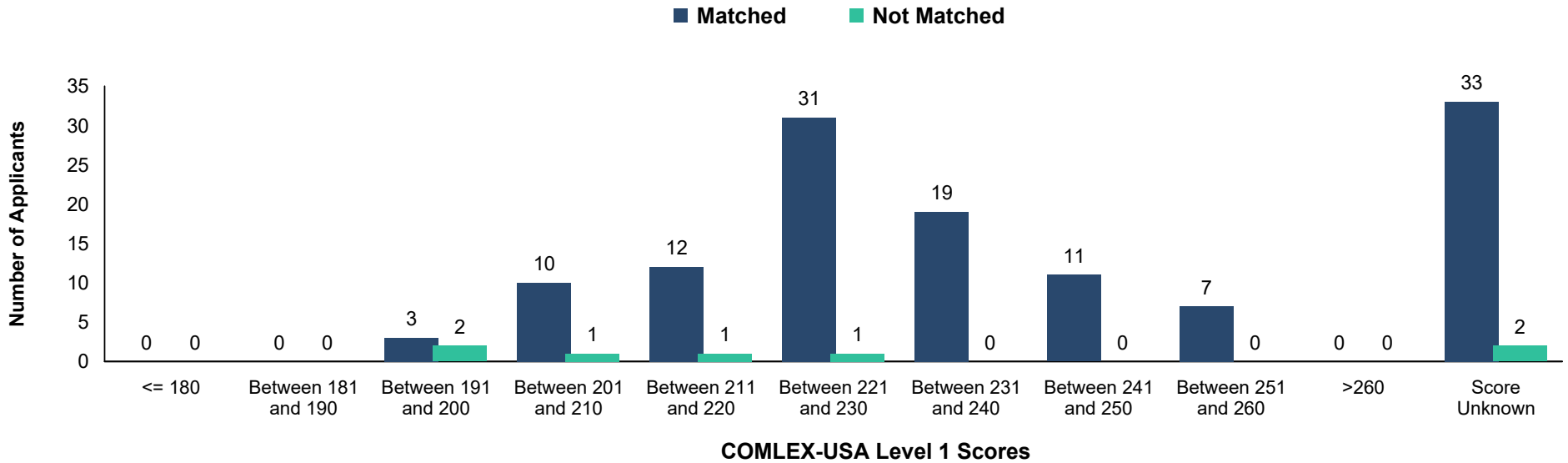
**Probability of U.S. DO Seniors Matching to Preferred Specialty by COMLEX-USA Level 1 Score**  
*Neurology*



So

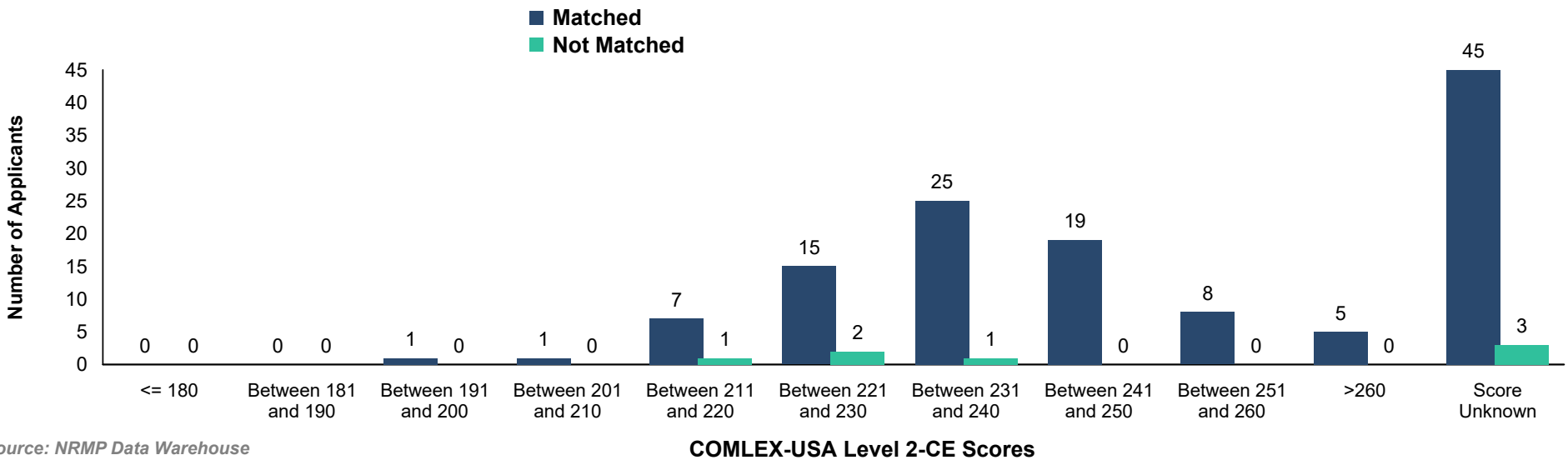
**Chart  
N-5**

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



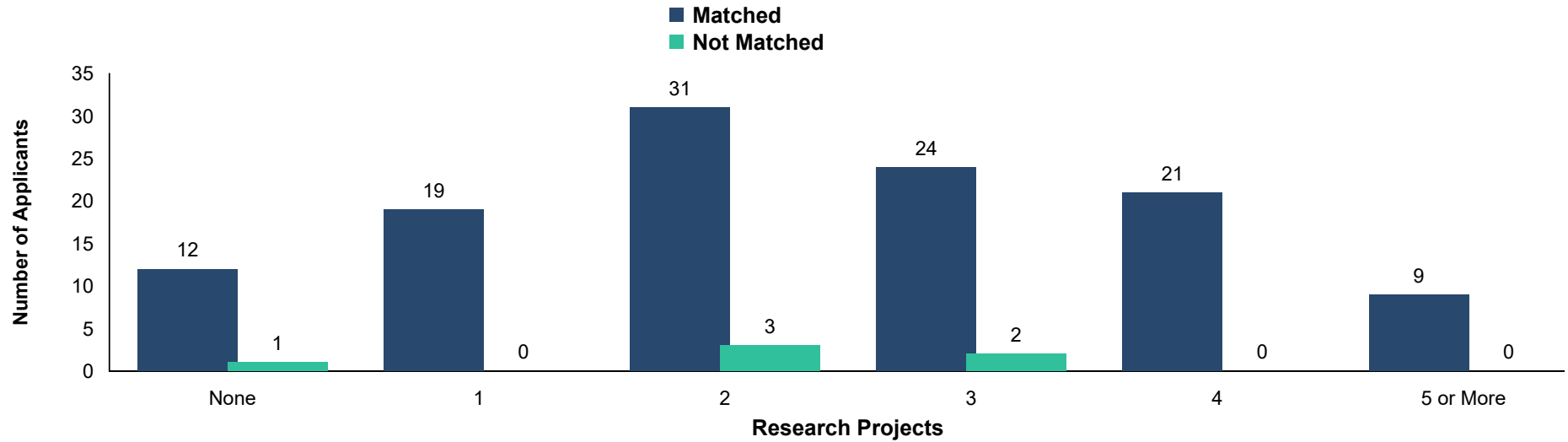
**Chart  
N-6**

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

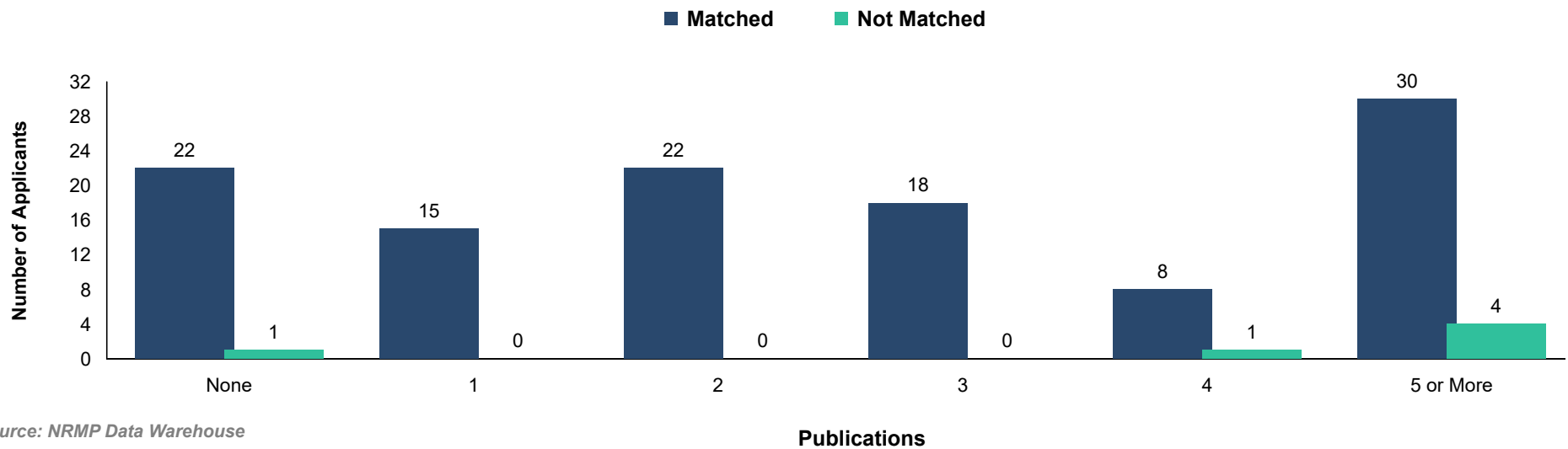


Source: NRMP Data Warehouse

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



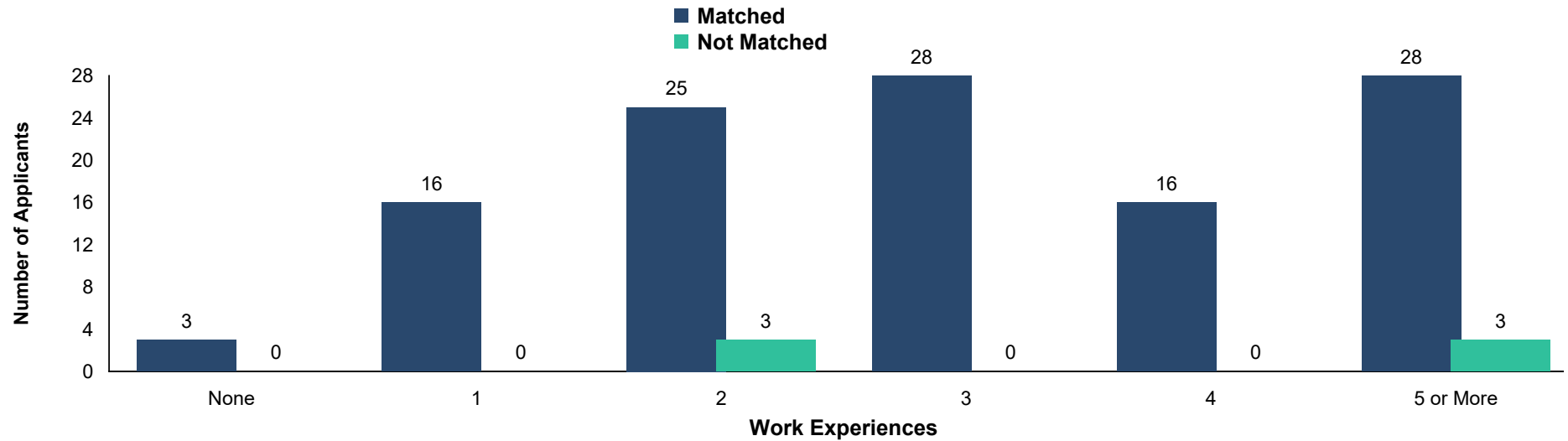
**Chart N-8** Number of Abstracts, Presentations, and Publications of U.S. DO Seniors  
*Neurology*



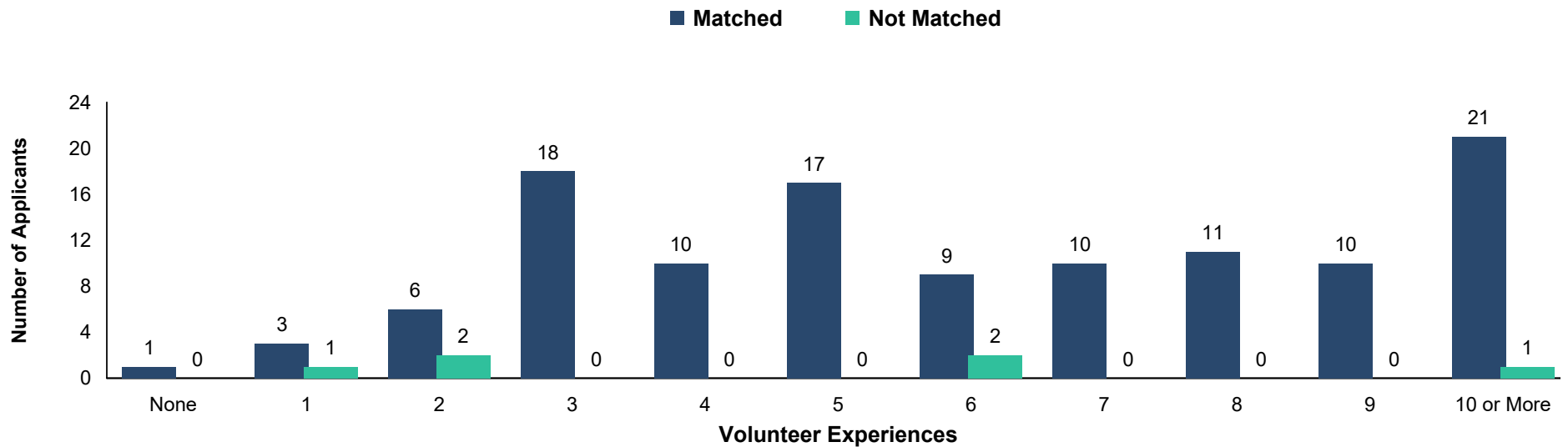
Source: NRMP Data Warehouse



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



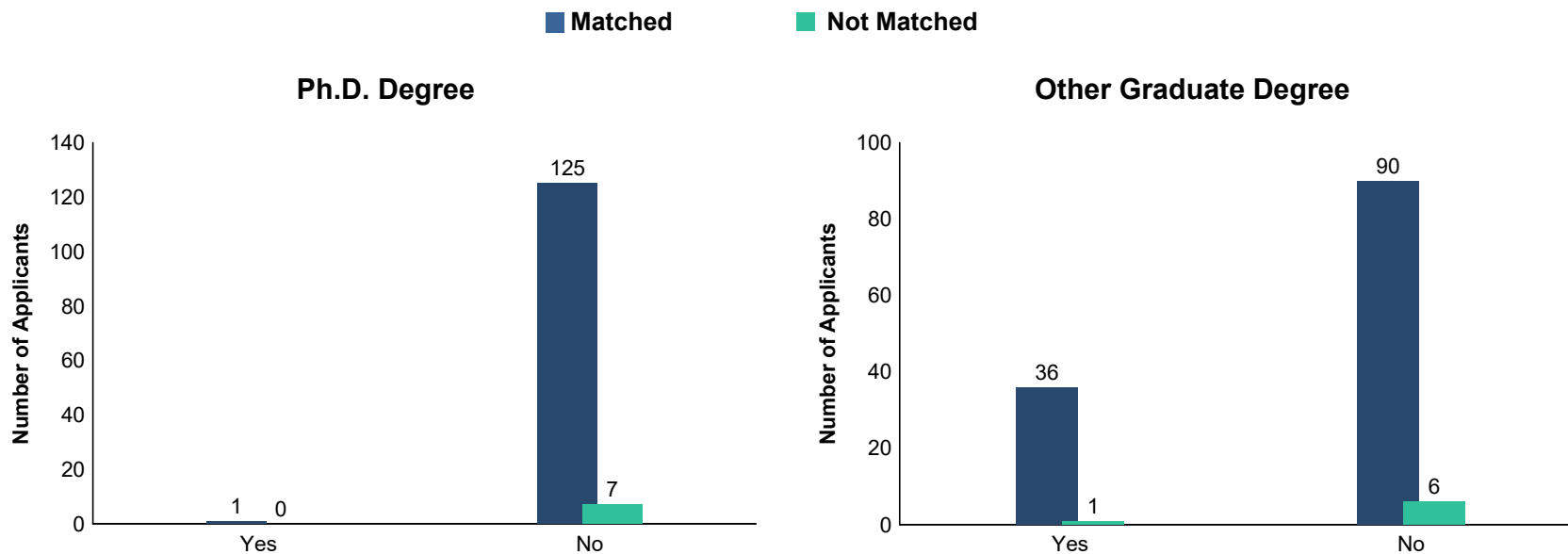
**Chart N-10** Number of Volunteer Experiences of U.S. DO Seniors  
*Neurology*



Source: NRMP Data Warehouse

**Chart  
N-11**

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



Source: NRMP Data Warehouse.

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

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

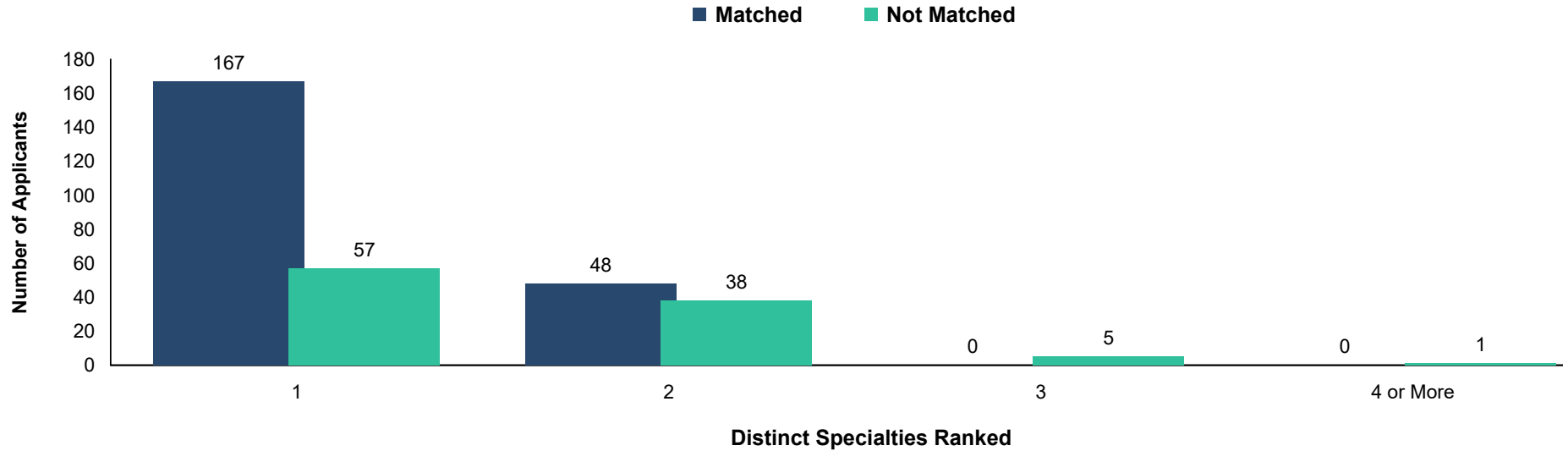
Measure	Matched (n=215)	Unmatched (n=101)
1. Mean number of contiguous ranks	11.3	4.8
2. Mean number of distinct specialties ranked	1.2	1.5
3. Mean COMLEX-USA Level 1 score	565	529
4. Mean COMLEX-USA Level 2-CE score	601	543
5. Mean USMLE Step 1 score	228	220
6. Mean USMLE Step 2 CK score	243	232
7. Mean number of research experiences	2.4	2.6
8. Mean number of abstracts, presentations, and publications	3.6	3.4
9. Mean number of work experiences	3.7	4.4
10. Mean number of volunteer experiences	8.5	9.4
11. Percentage who have a Ph.D. degree	0.0	0.0
12. Percentage who have another graduate degree	17.3	34.1

Source: NRMP Data Warehouse.

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

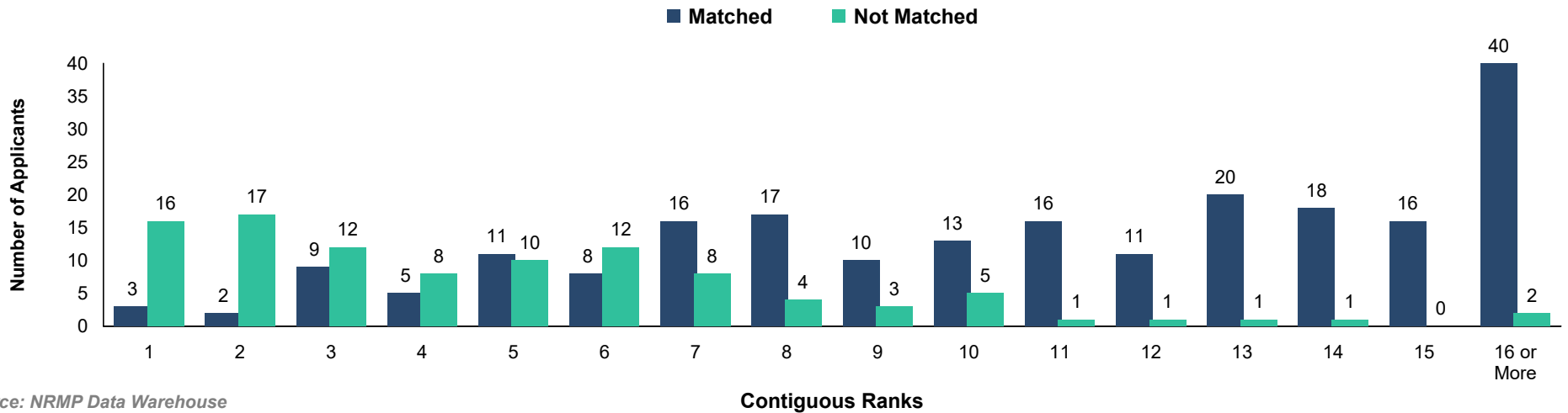
**Chart  
OB-1**

**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***

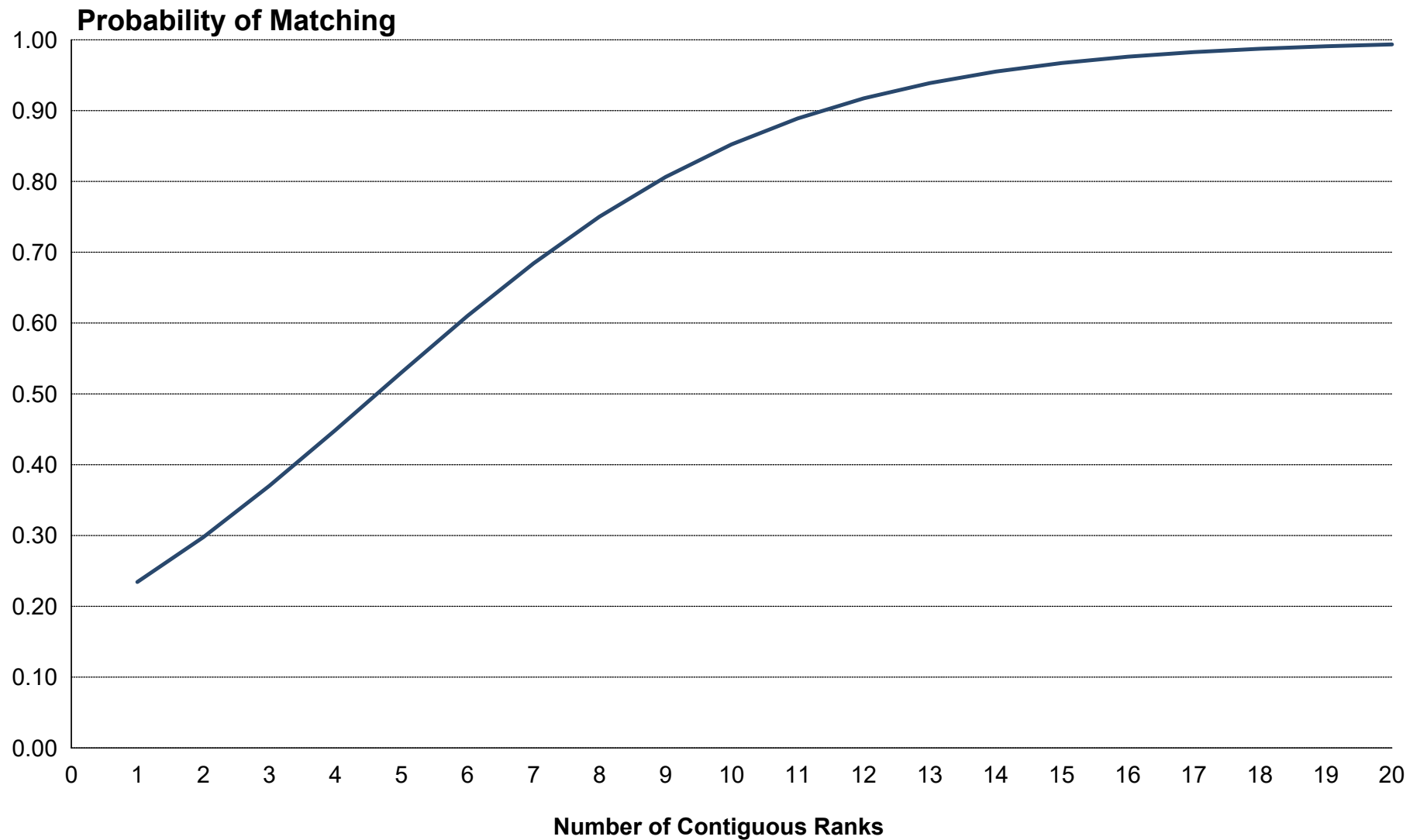


Source: NRMP Data Warehouse

**Graph  
OB-1**

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

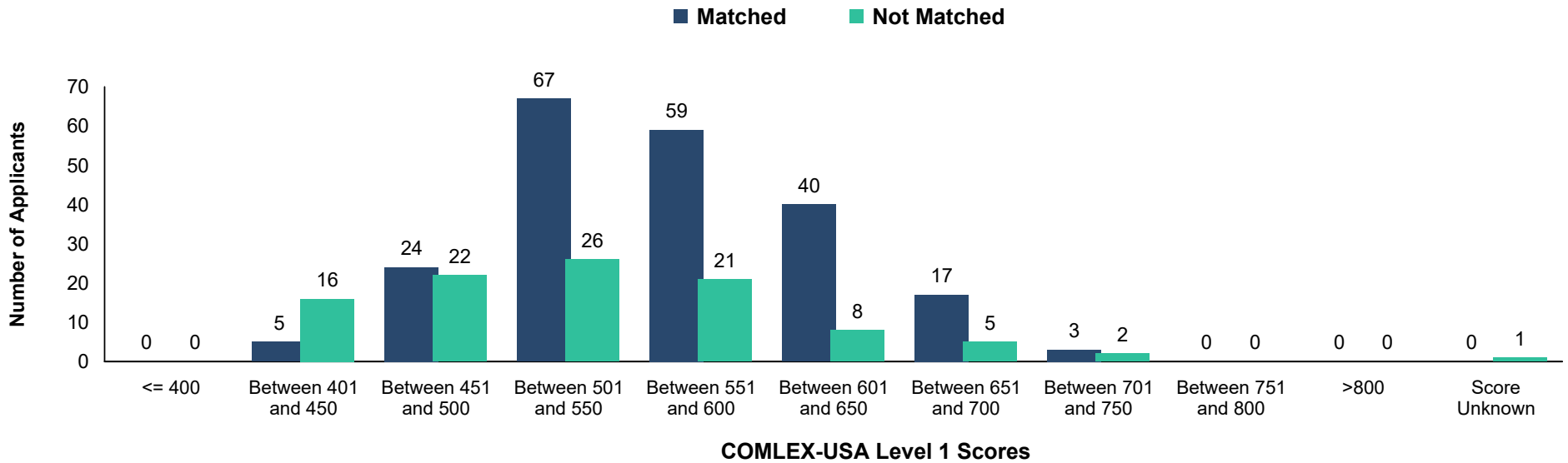
*Obstetrics and Gynecology*



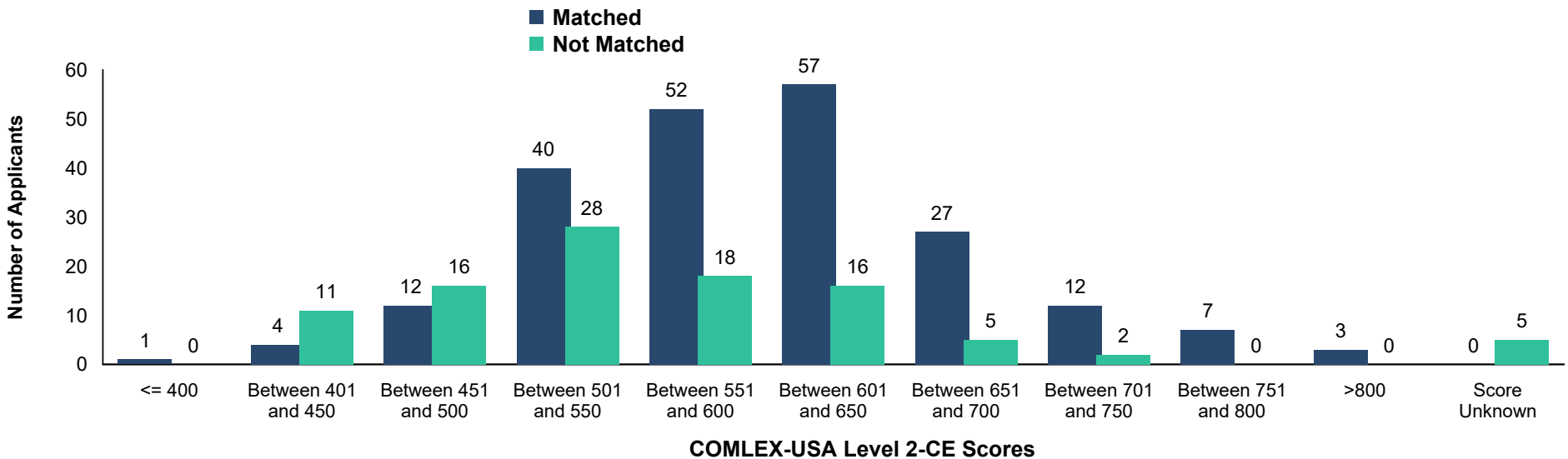
Source: NRMP Data Warehouse. Note: Probabilities calculated based on 2020-2022 applicants.

**Chart  
OB-3**

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



**OB-4** *Obstetrics and Gynecology*

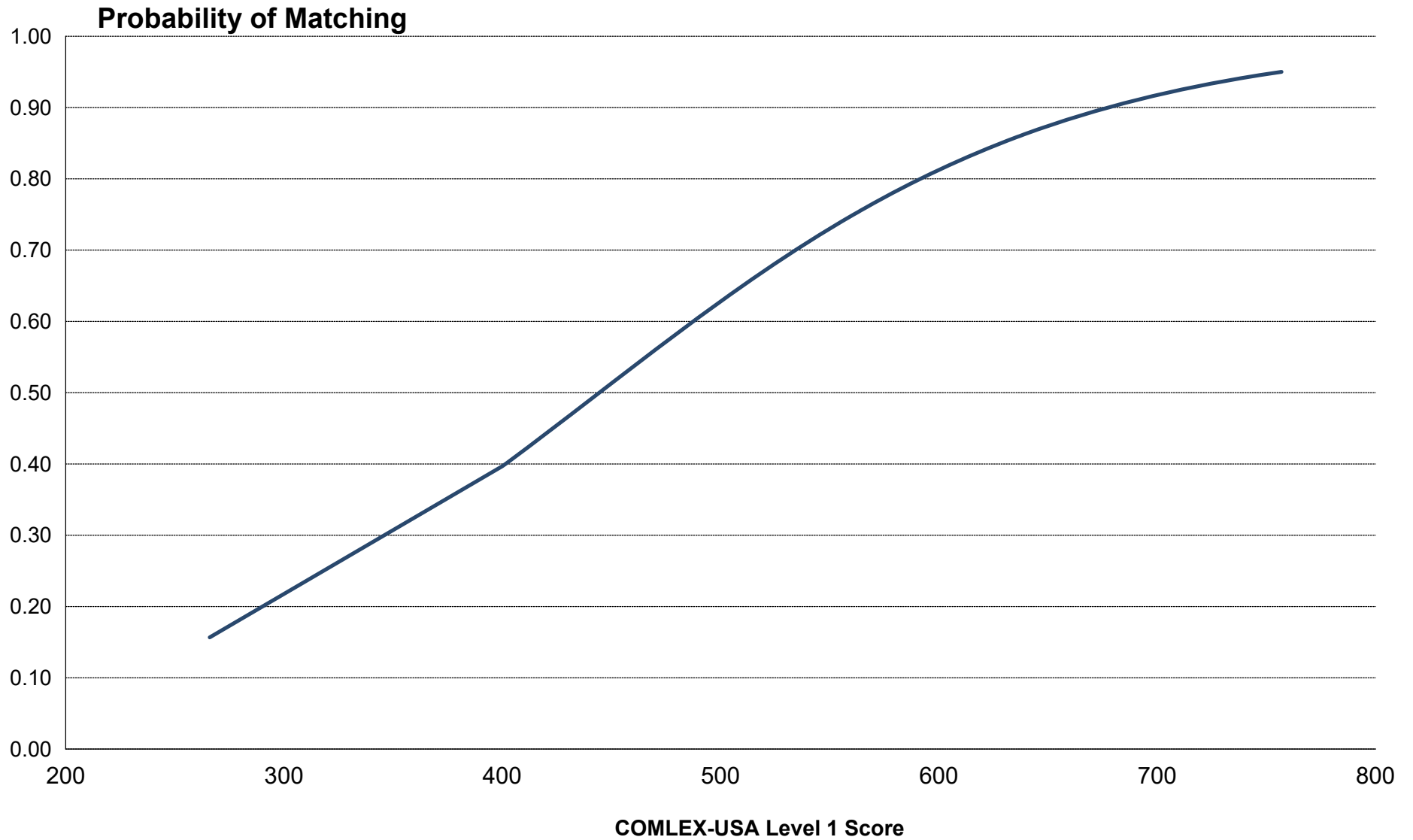






**Graph  
OB-2**

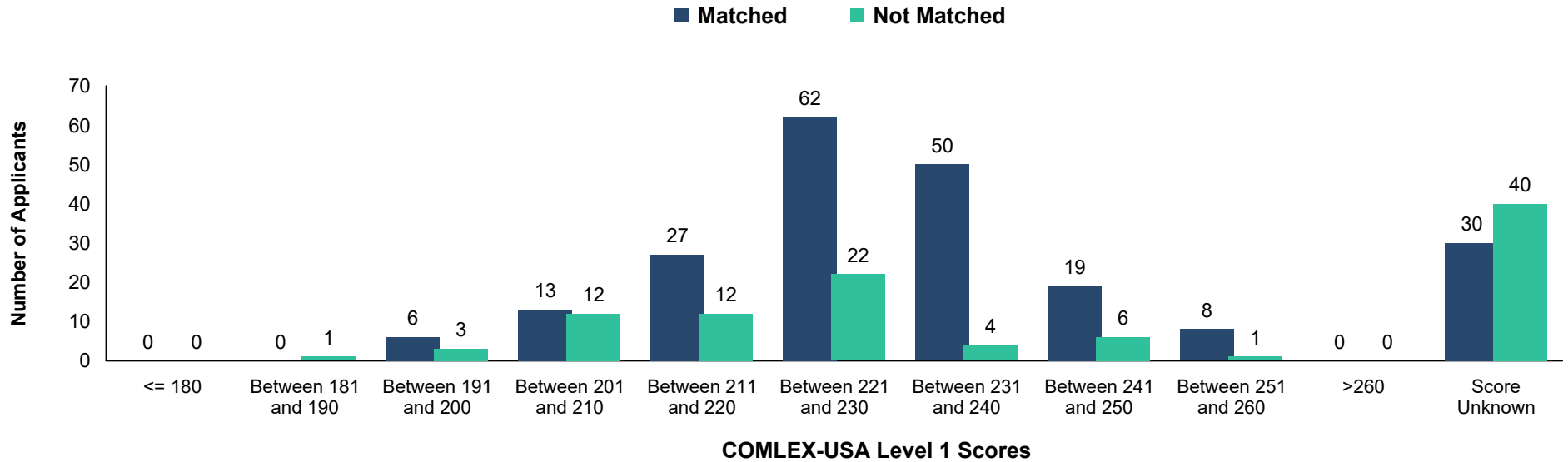
**Probability of U.S. DO Seniors Matching to Preferred Specialty by COMLEX-USA Level 1 Score**  
*Obstetrics and Gynecology*



So

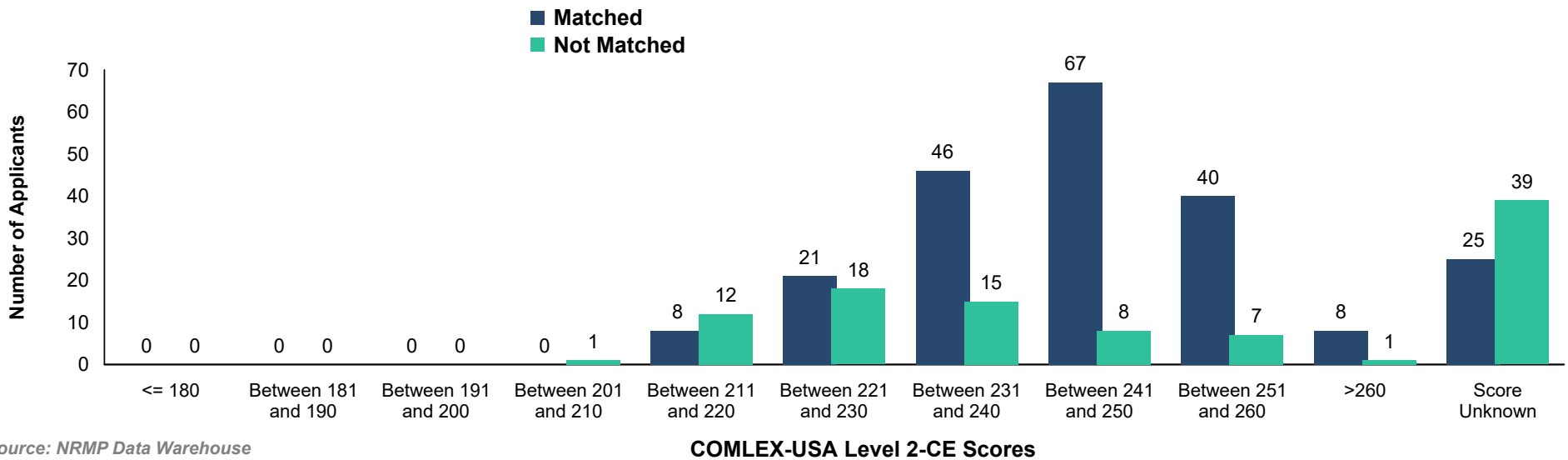
**Chart  
OB-5**

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



**Chart  
OB-6**

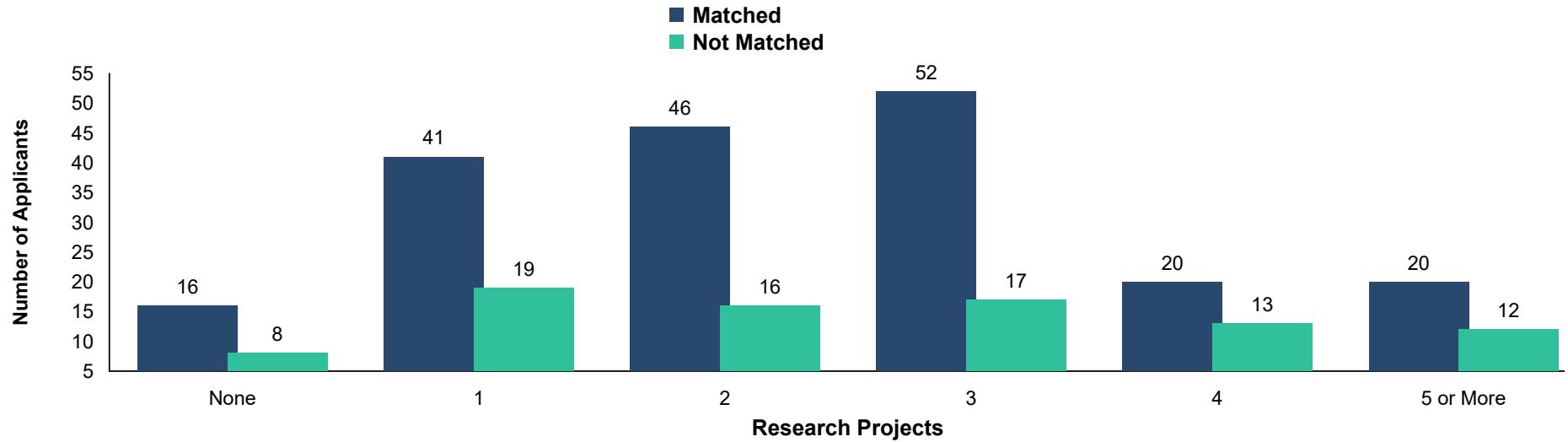
**USMLE Step 2 CK Scores of U.S. DO Seniors  
Obstetrics and Gynecology**



Source: NRMP Data Warehouse

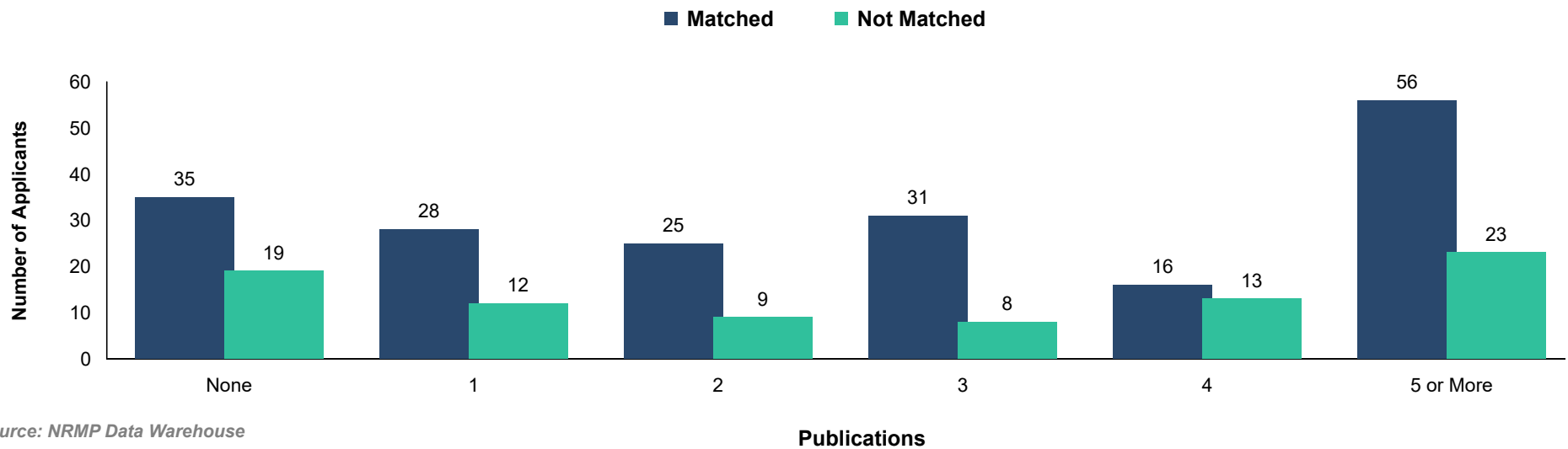
**Chart  
OB-7**

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



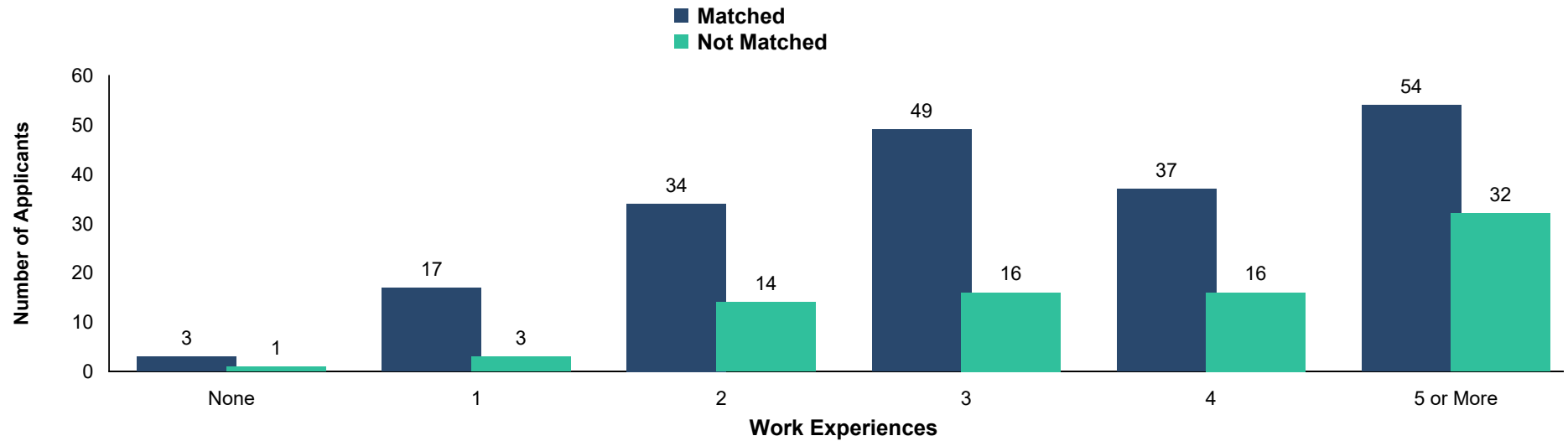
**Chart  
OB-8**

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

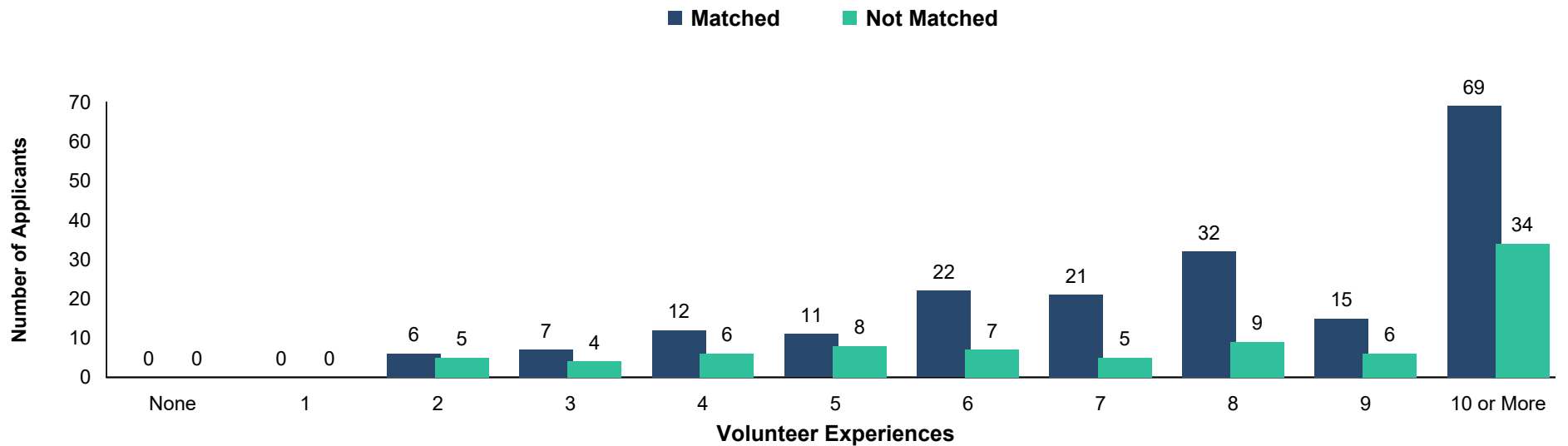


Source: NRMP Data Warehouse

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



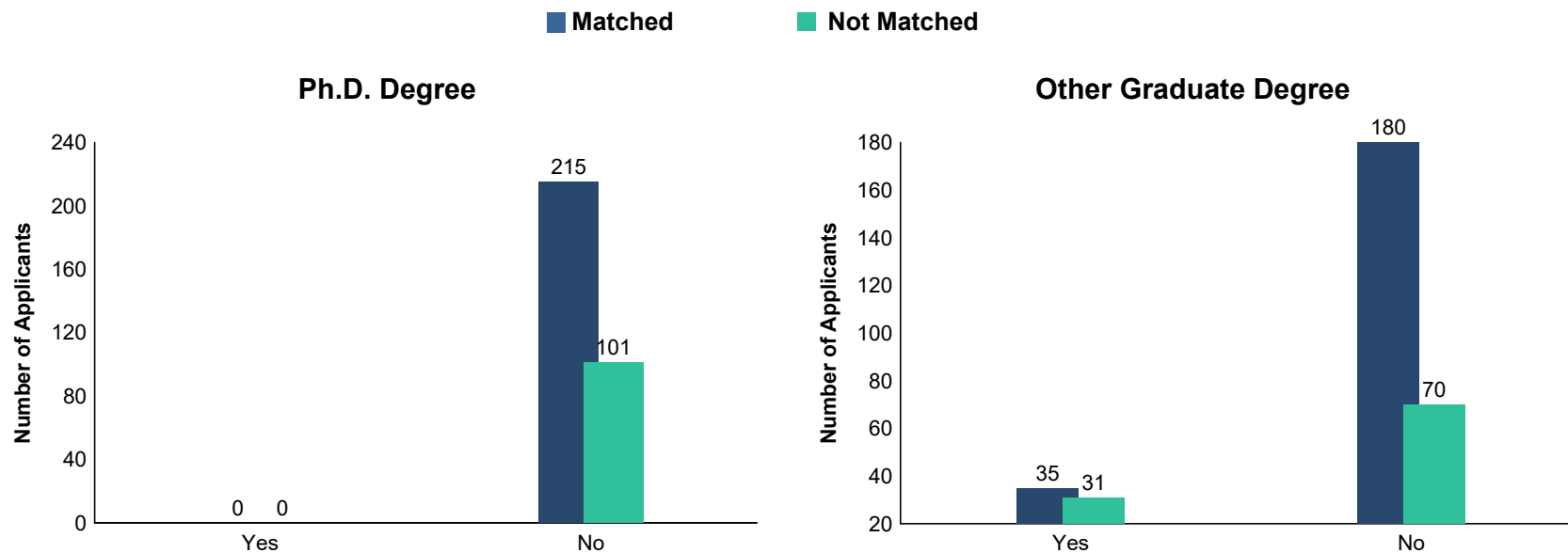
**Chart OB-10** Number of Volunteer Experiences of U.S. DO Seniors  
*Obstetrics and Gynecology*



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*

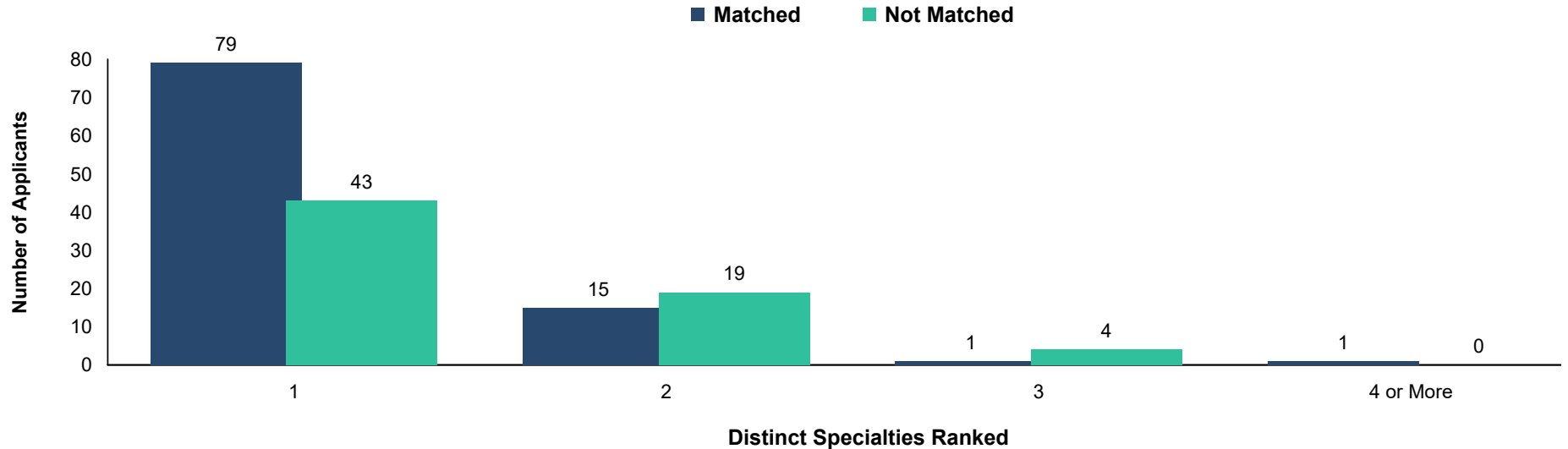
Measure	Matched (n=96)	Unmatched (n=66)
1. Mean number of contiguous ranks	7.2	4.3
2. Mean number of distinct specialties ranked	1.2	1.4
3. Mean COMLEX-USA Level 1 score	639	591
4. Mean COMLEX-USA Level 2-CE score	675	616
5. Mean USMLE Step 1 score	243	236
6. Mean USMLE Step 2 CK score	250	244
7. Mean number of research experiences	4.0	3.3
8. Mean number of abstracts, presentations, and publications	7.0	4.9
9. Mean number of work experiences	4.0	4.2
10. Mean number of volunteer experiences	7.2	6.8
11. Percentage who have a Ph.D. degree	0.0	0.0
12. Percentage who have another graduate degree	23.1	31.7

Source: NRMP Data Warehouse.

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

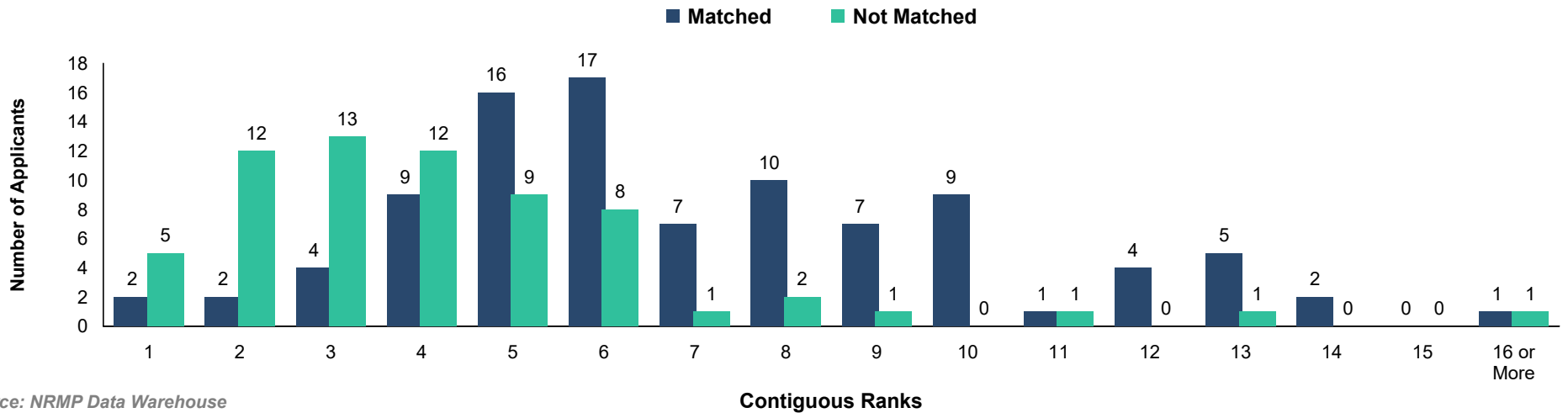
**Chart  
ORS-1**

**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***

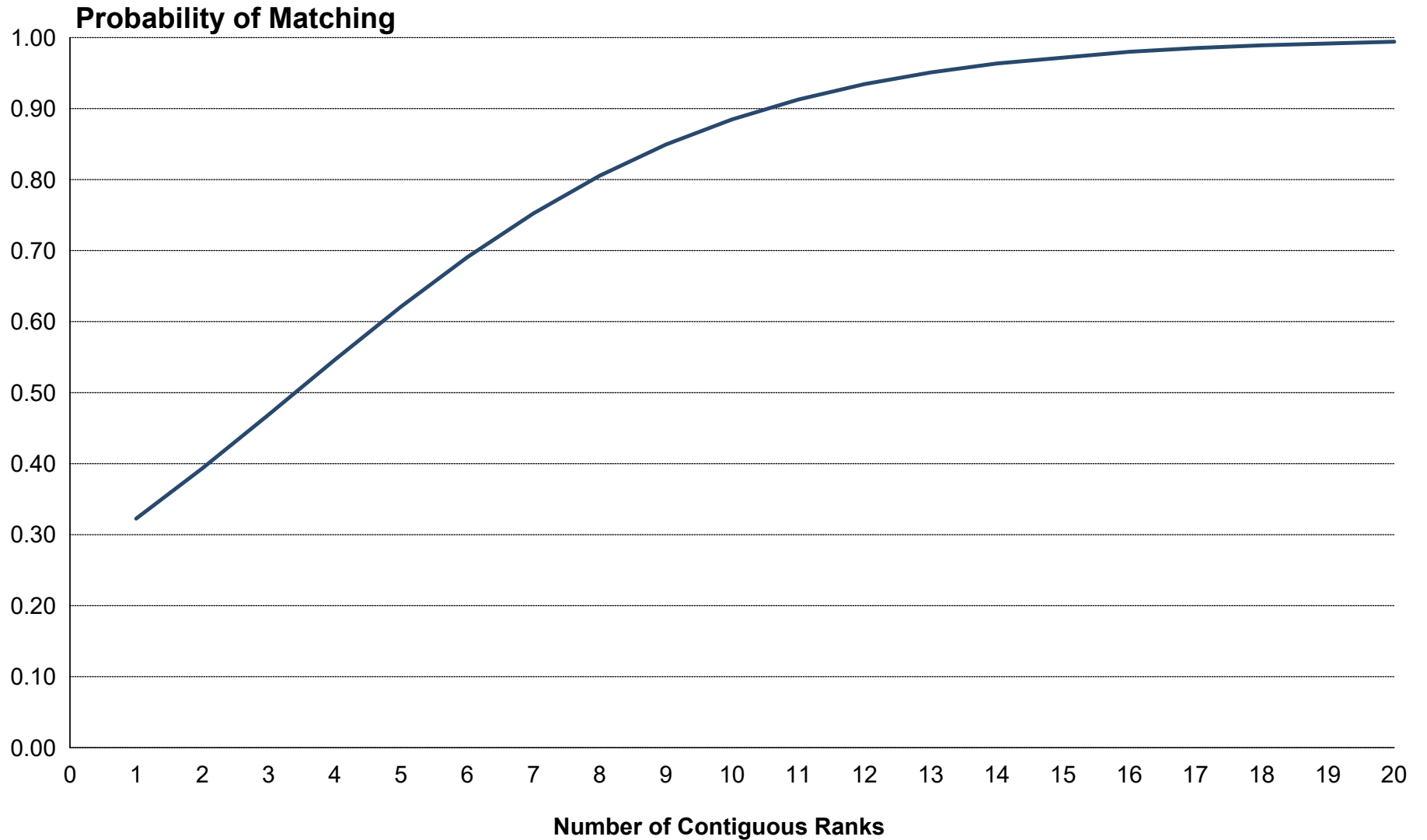


Source: NRMP Data Warehouse



**Graph  
ORS-1**

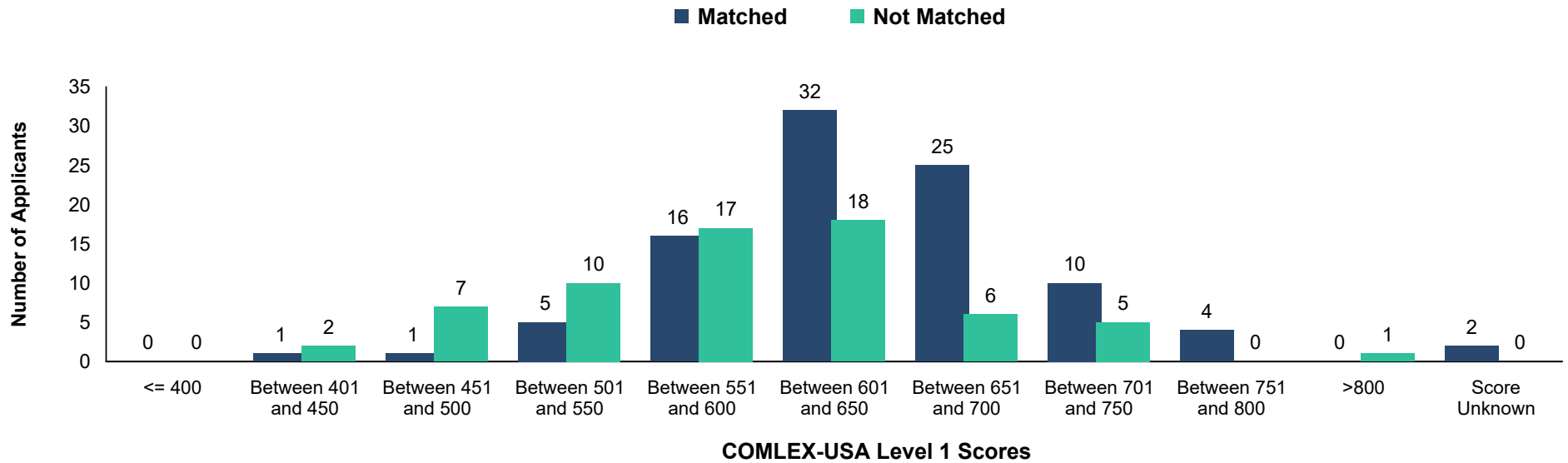
**Probability of U.S. DO Seniors Matching to Preferred Specialty by Number of Contiguous Ranks**  
*Orthopaedic Surgery*



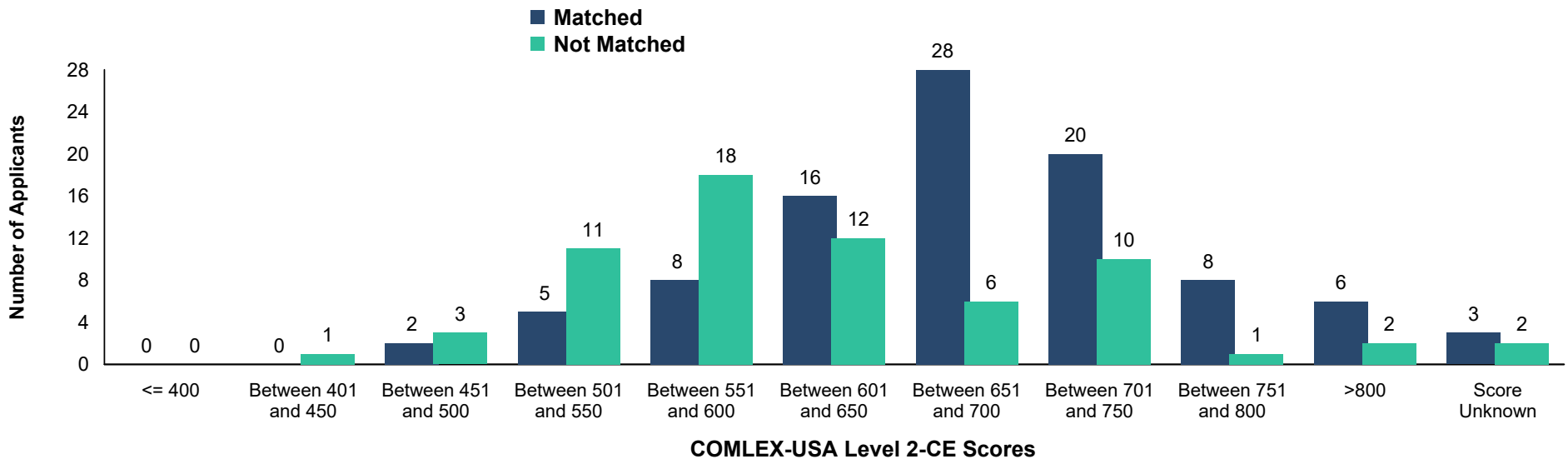
Source: NRMP Data Warehouse. Note: Probabilities calculated based on 2020-2022 applicants.

**Chart  
ORS-3**

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

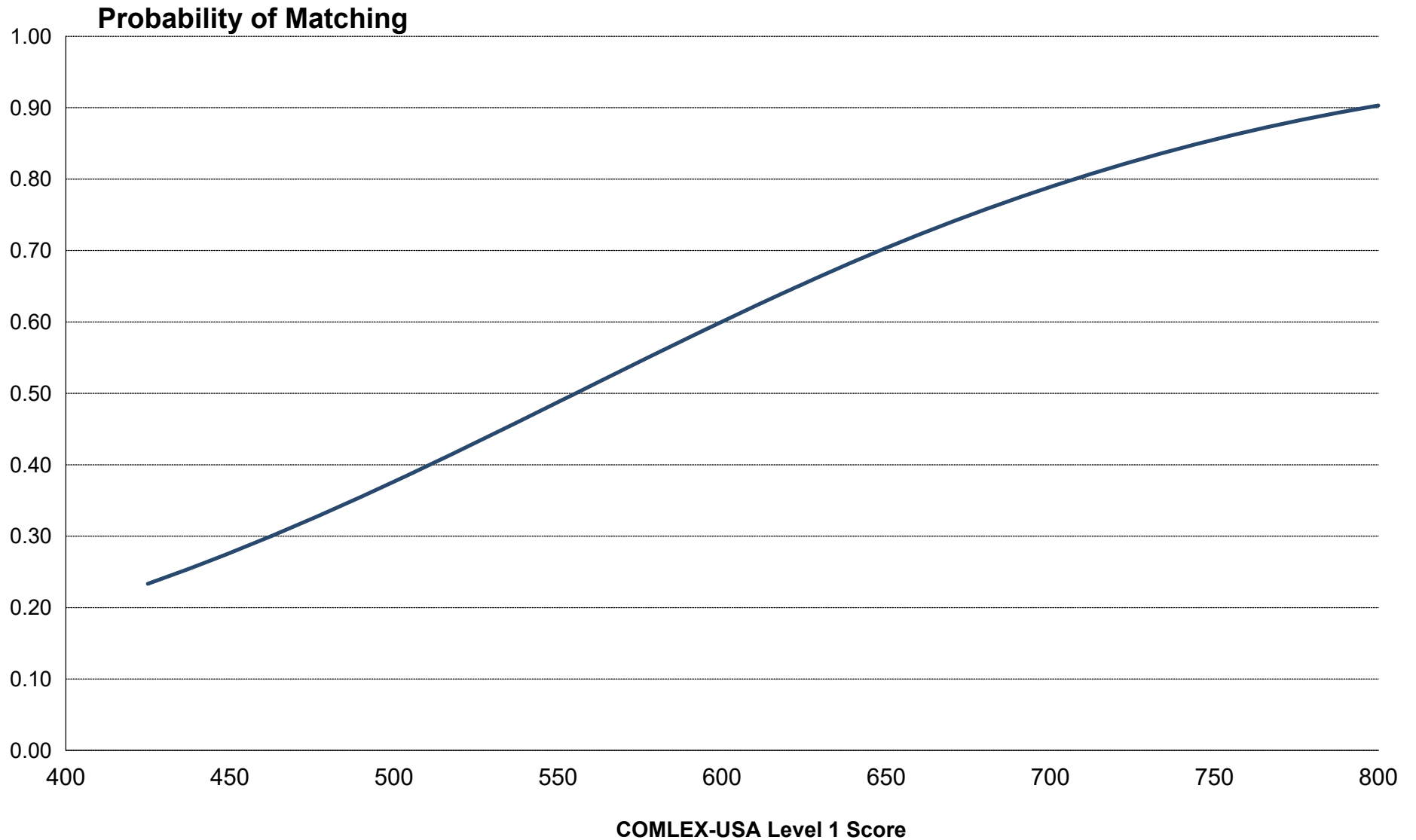


**ORS-4** *Orthopaedic Surgery*





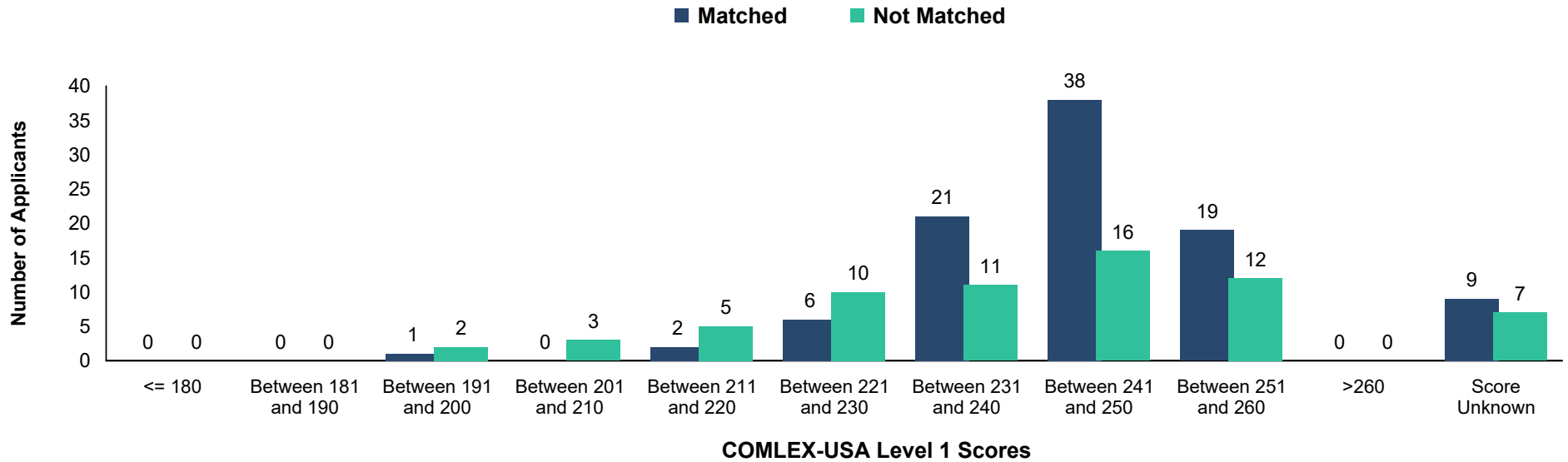
**Probability of U.S. DO Seniors Matching to Preferred Specialty by COMLEX-USA Level 1 Score**  
*Orthopaedic Surgery*



So

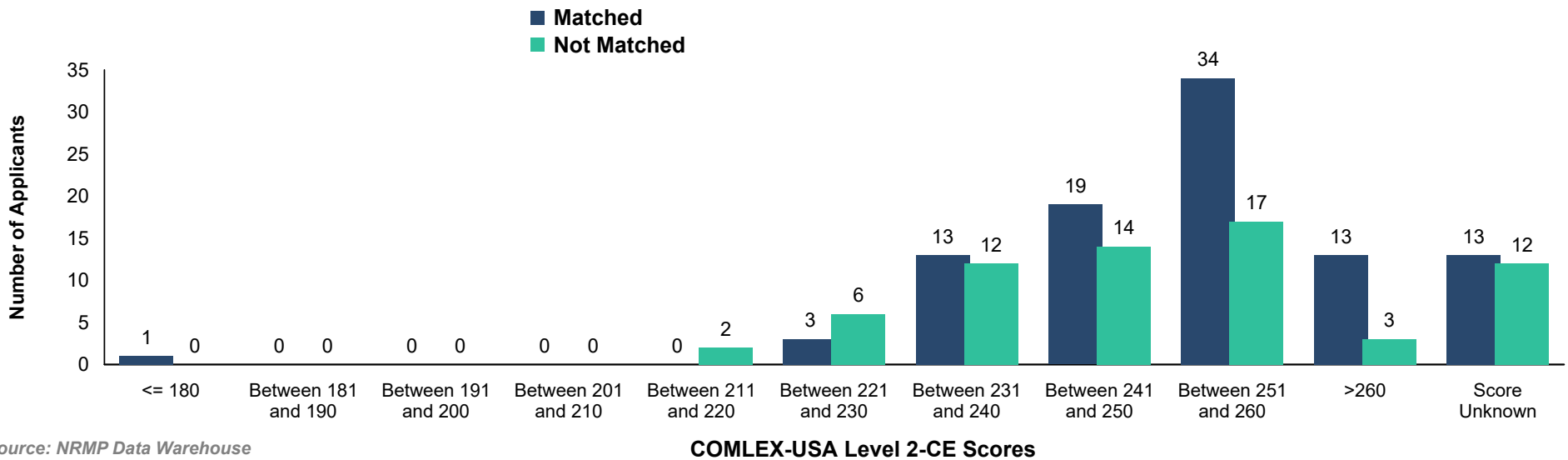
**Chart  
ORS-5**

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



**Chart  
ORS-6**

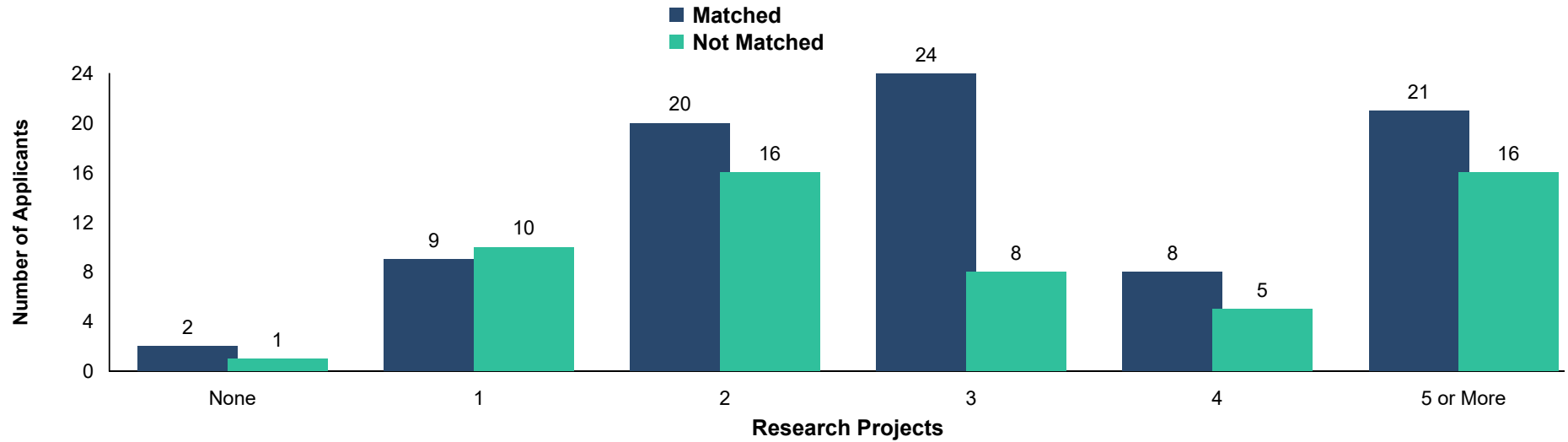
**USMLE Step 2 CK Scores of U.S. DO Seniors  
Orthopaedic Surgery**



Source: NRMP Data Warehouse

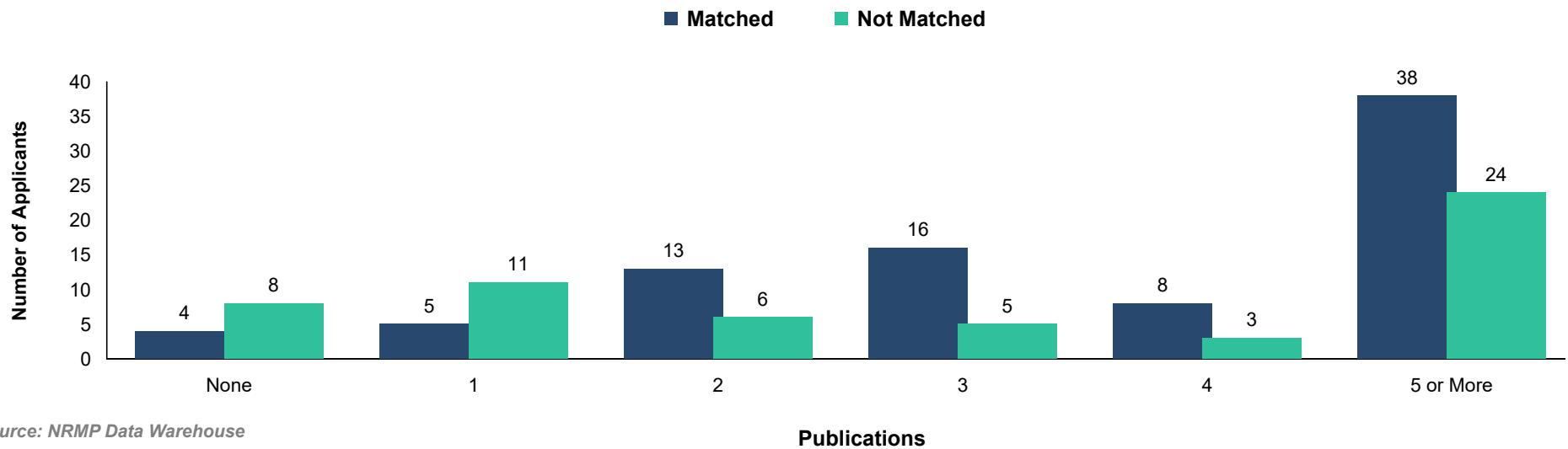
**Chart  
ORS-7**

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



**Chart  
ORS-8**

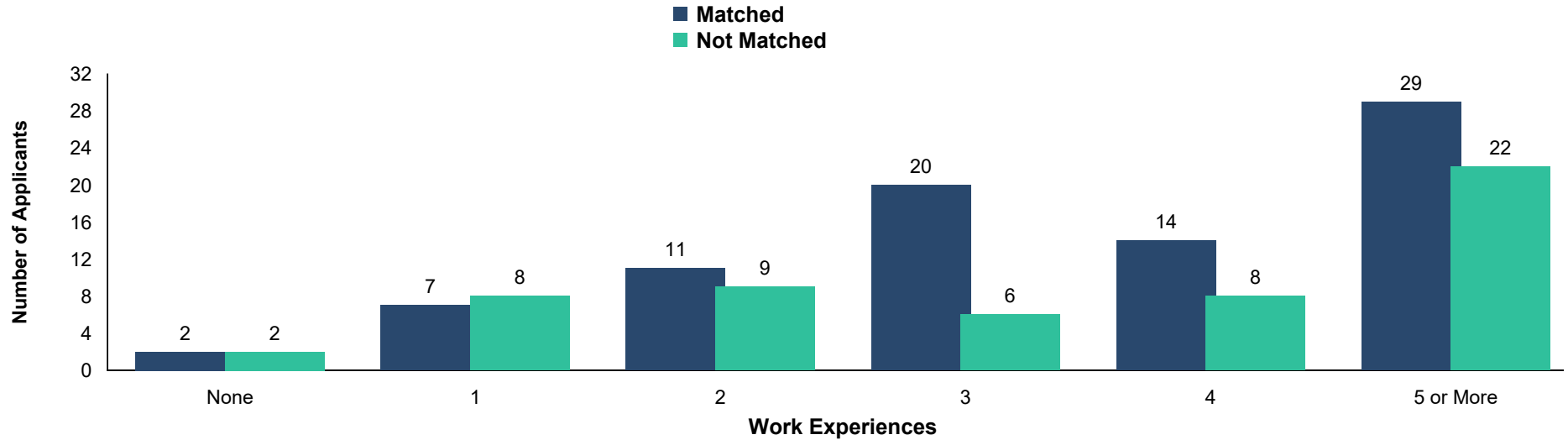
**Number of Abstracts, Presentations, and Publications of U.S. DO Seniors  
*Orthopaedic Surgery***



Source: NRMP Data Warehouse

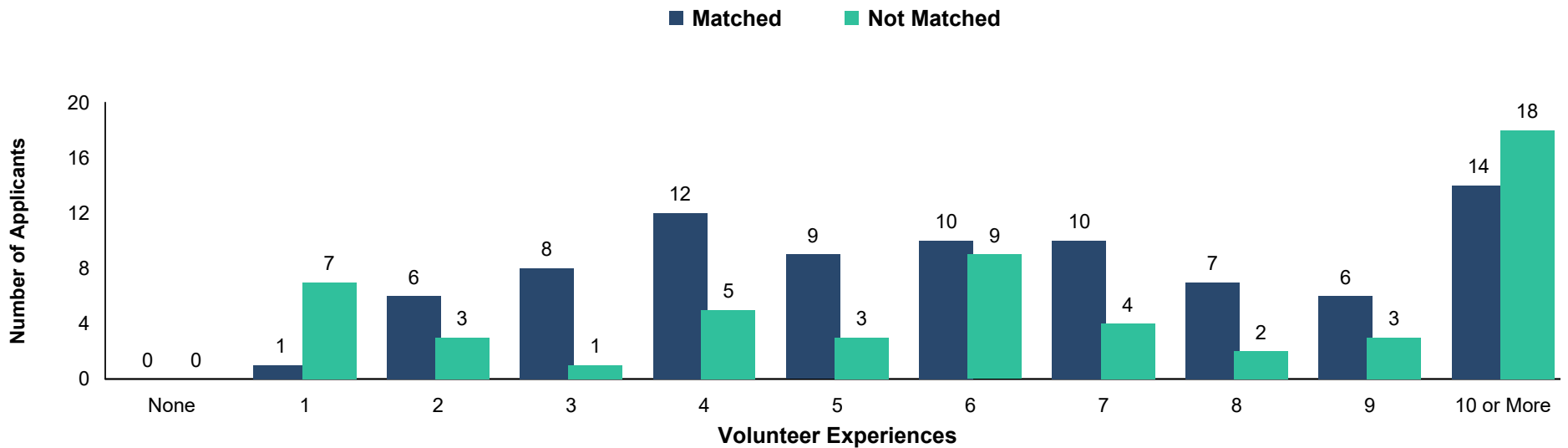
**Chart  
ORS-9**

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



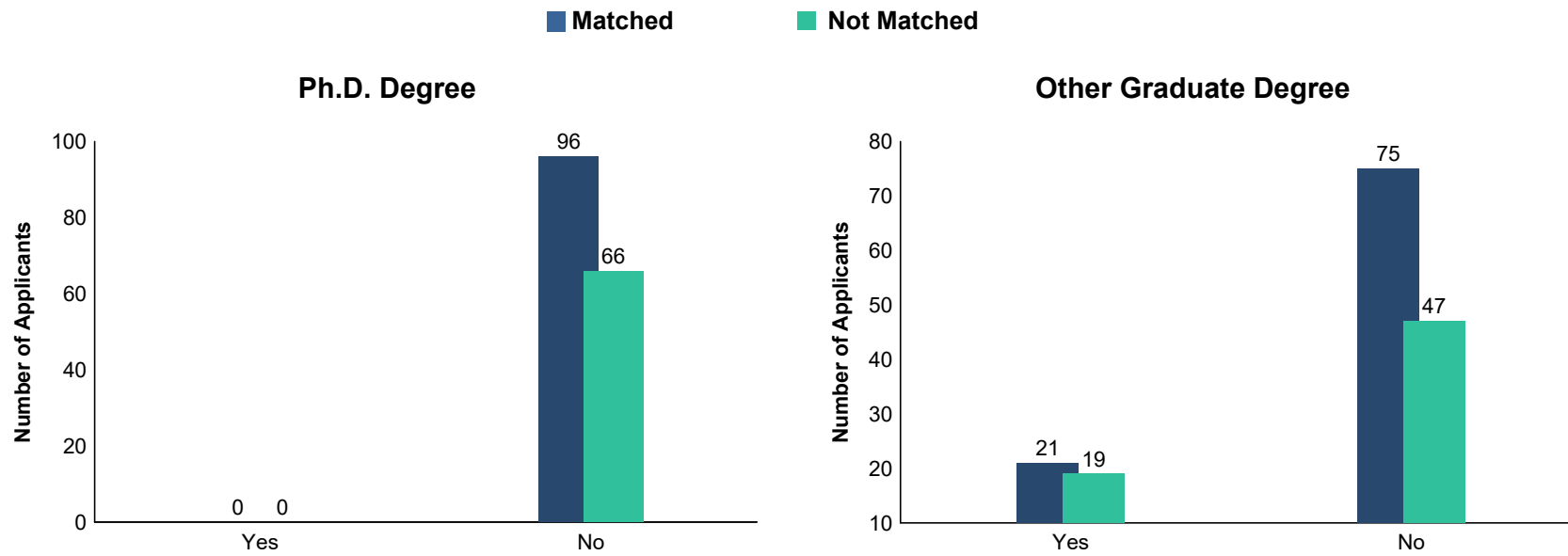
**Chart  
ORS-10**

**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*

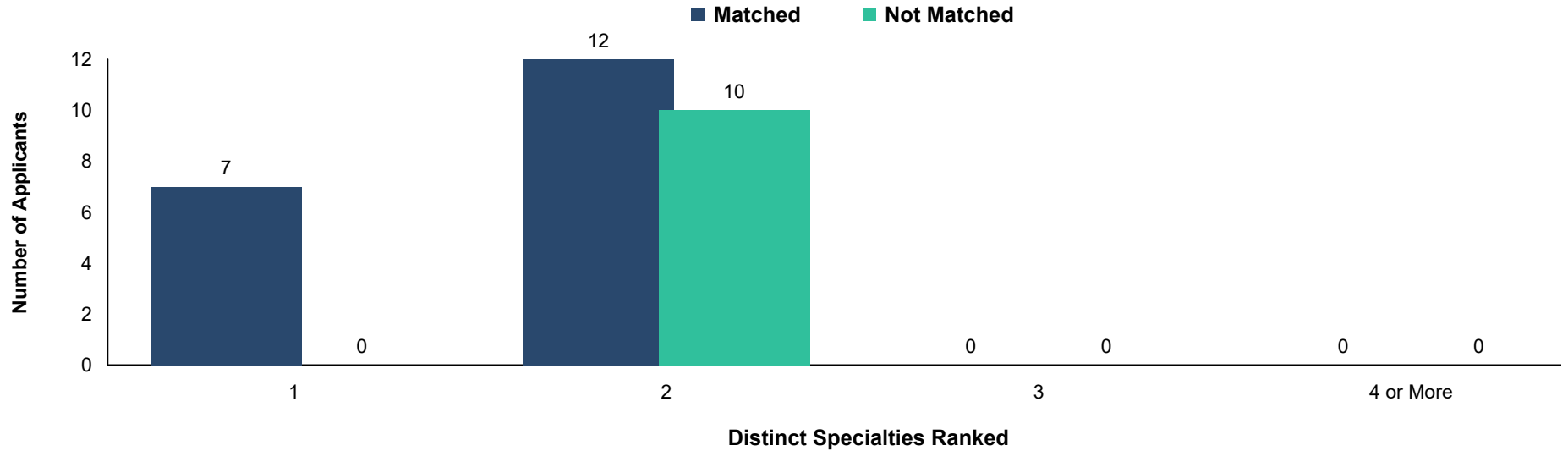
Measure	Matched (n=19)	Unmatched (n=10)
1. Mean number of contiguous ranks	7.5	5.1
2. Mean number of distinct specialties ranked	1.6	2.0
3. Mean COMLEX-USA Level 1 score	655	604
4. Mean COMLEX-USA Level 2-CE score	681	627
5. Mean USMLE Step 1 score	246	239
6. Mean USMLE Step 2 CK score	249	245
7. Mean number of research experiences	6.1	3.8
8. Mean number of abstracts, presentations, and publications	8.5	7.0
9. Mean number of work experiences	4.3	3.8
10. Mean number of volunteer experiences	8.6	6.6
11. Percentage who have a Ph.D. degree	0.0	0.0
12. Percentage who have another graduate degree	21.1	0.0

Source: NRMP Data Warehouse.

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

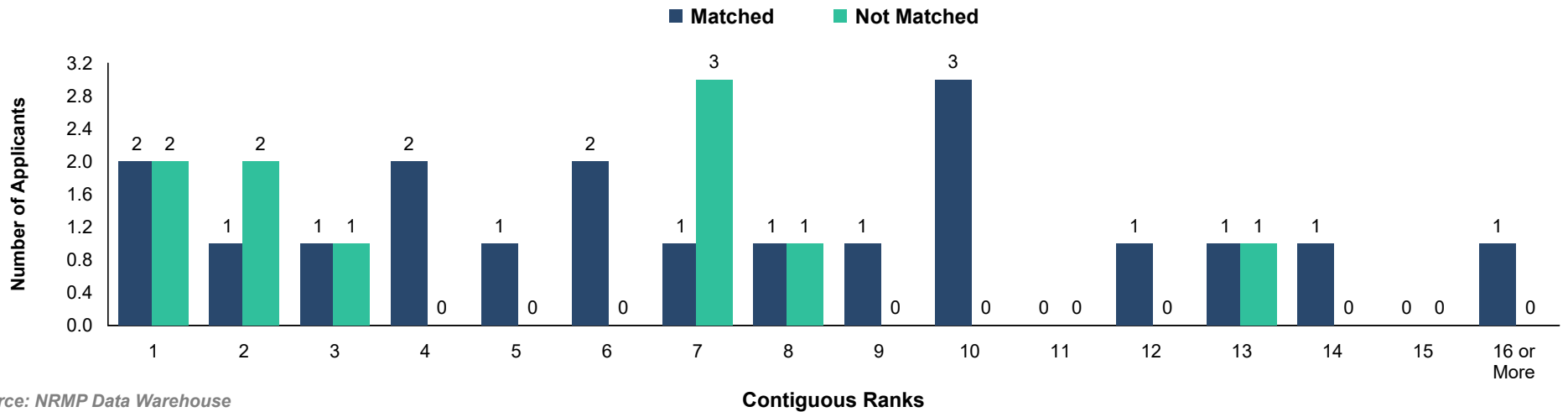
**Chart  
OTO-1**

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



**Chart  
OTO-2**

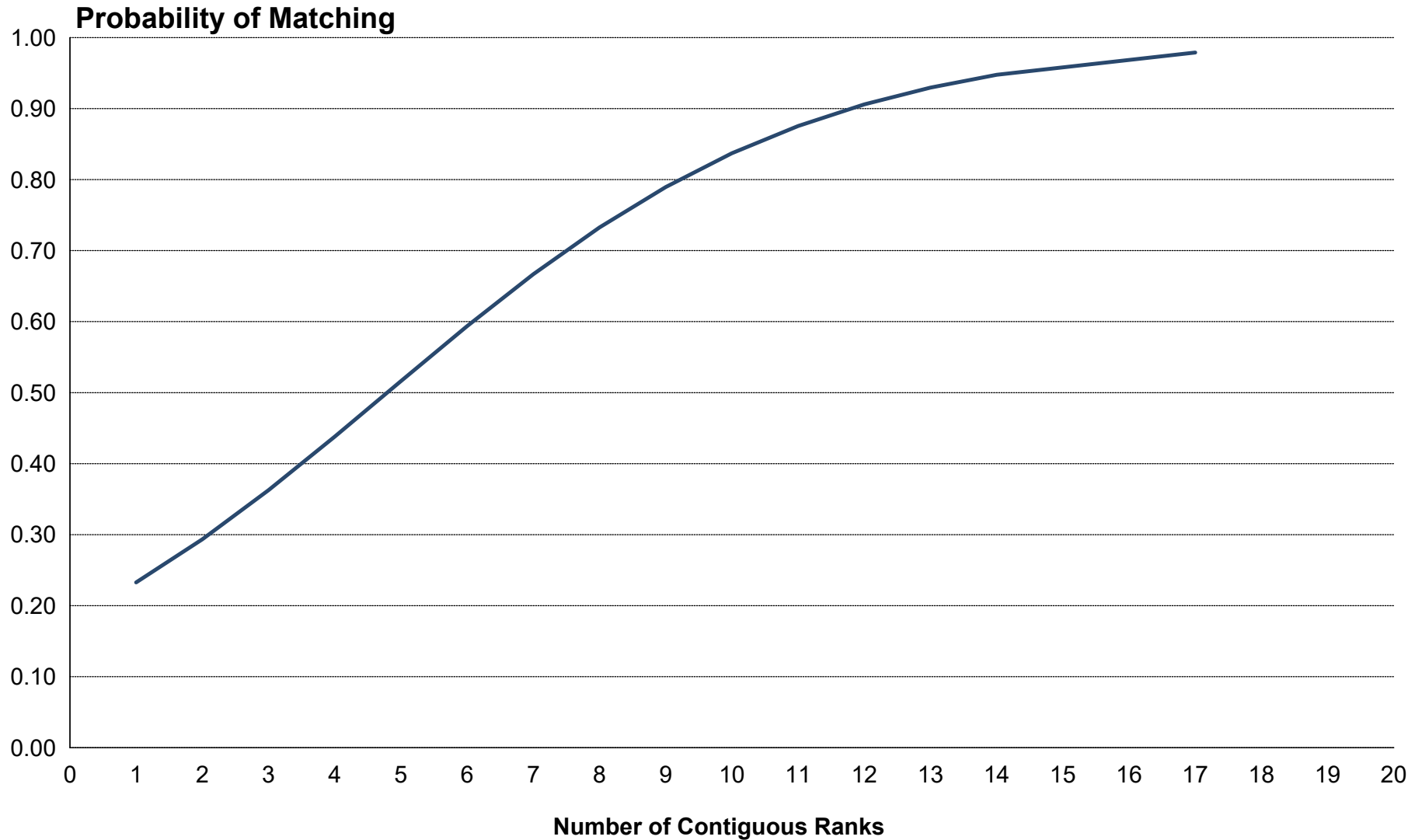
**Number of Contiguous Ranks of U.S. DO Seniors  
Otolaryngology**



Source: NRMP Data Warehouse

**Graph  
OTO-1**

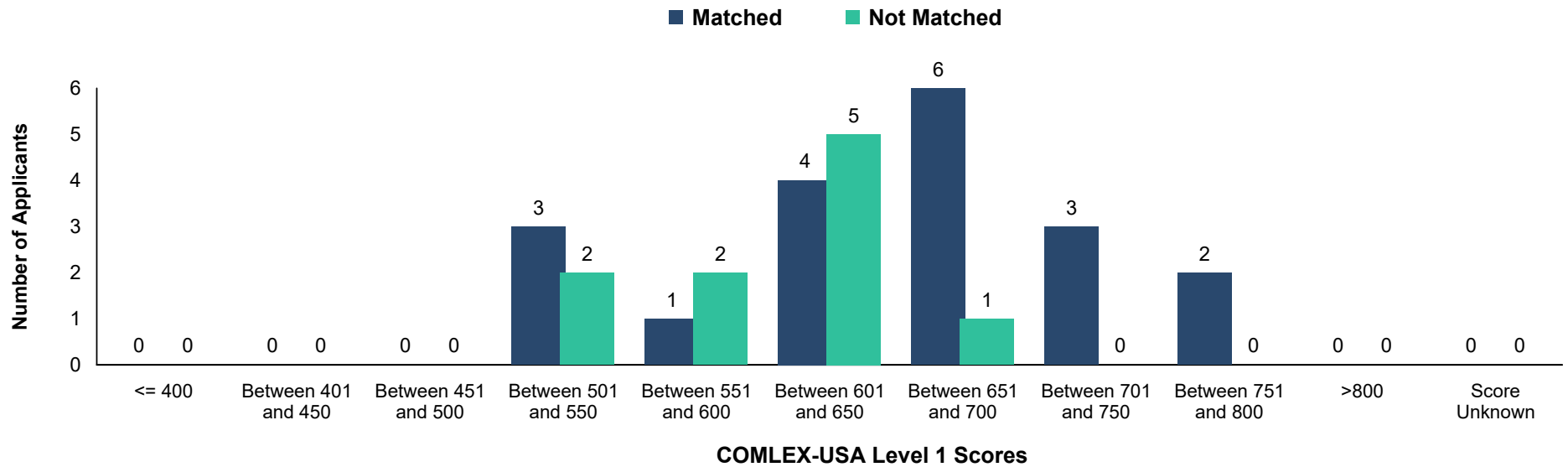
**Probability of U.S. DO Seniors Matching to Preferred Specialty by Number of Contiguous Ranks**  
*Otolaryngology*



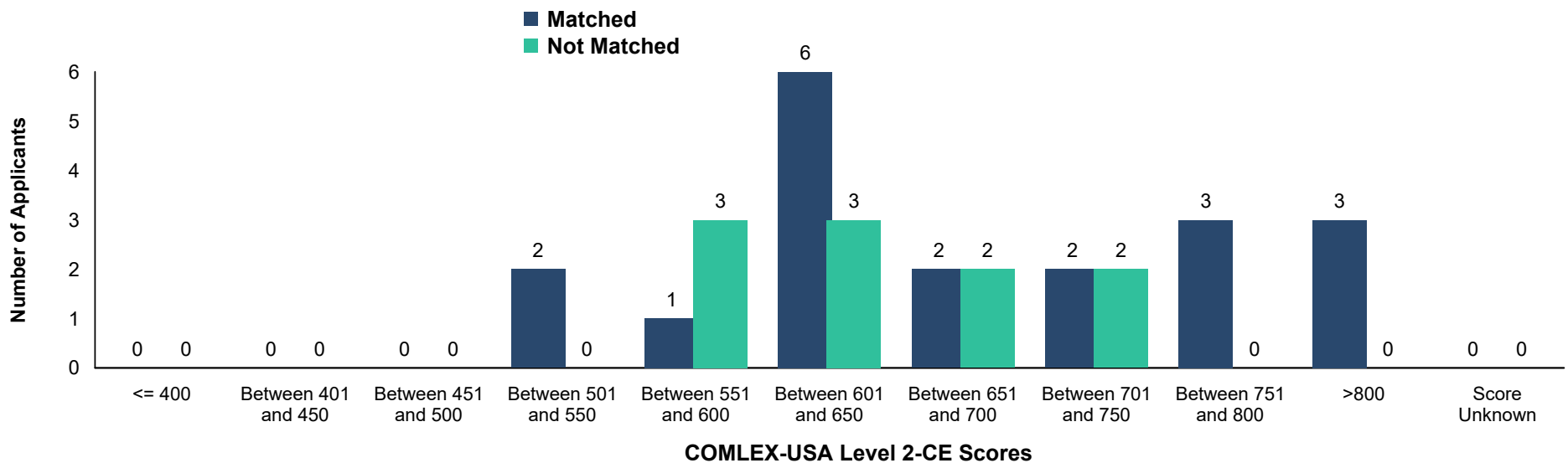
Source: NRMP Data Warehouse. Note: Probabilities calculated based on 2020-2022 applicants.

**Chart  
OTO-3**

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

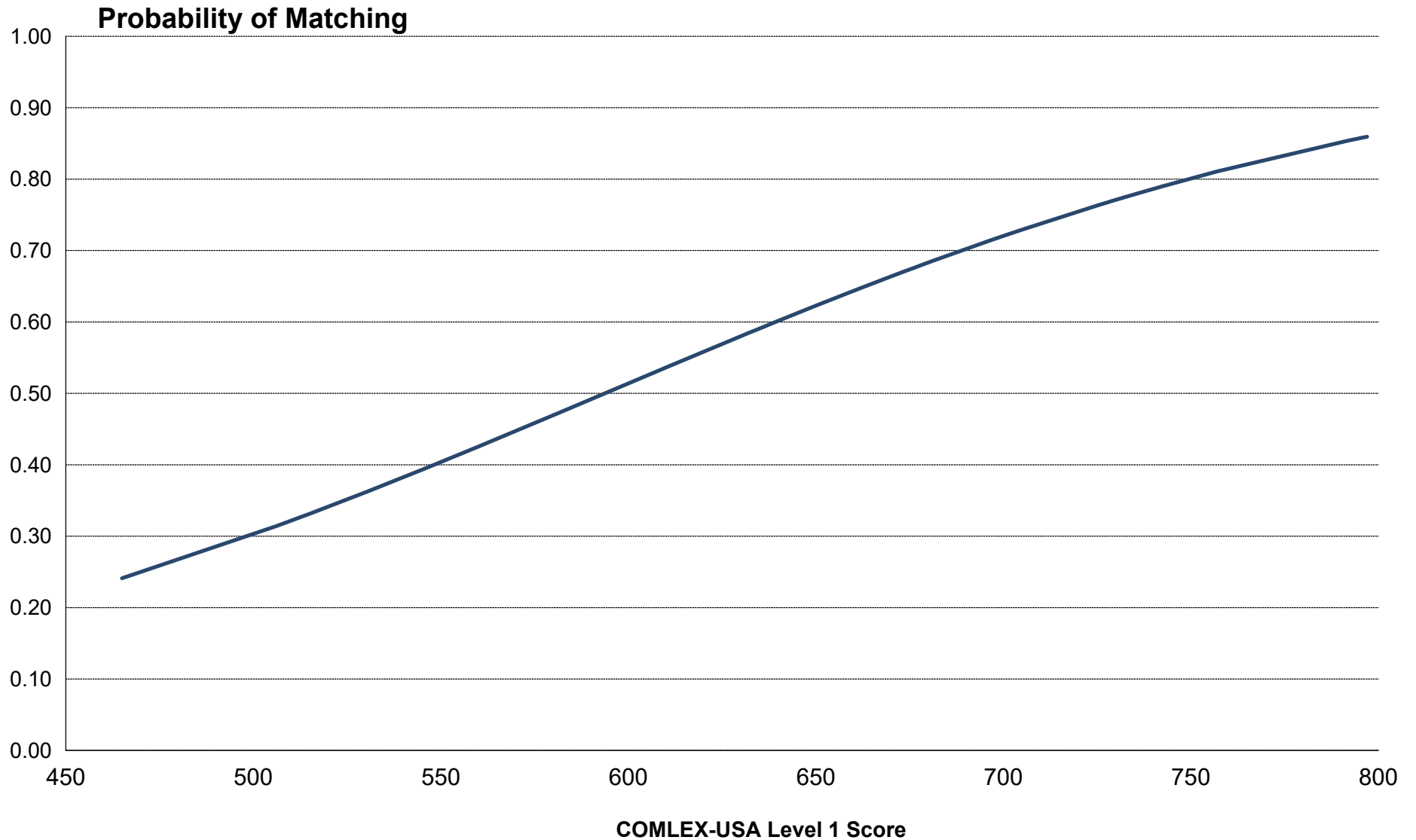


**OTO-4  
Otolaryngology**





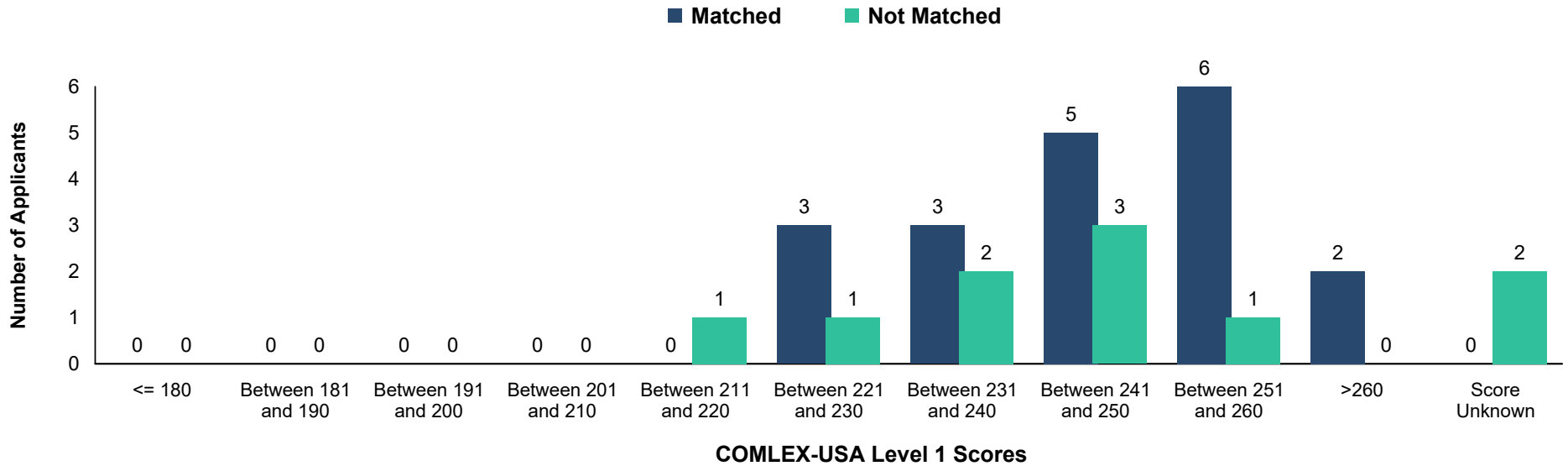
**Probability of U.S. DO Seniors Matching to Preferred Specialty by COMLEX-USA Level 1 Score**  
*Otolaryngology*



So

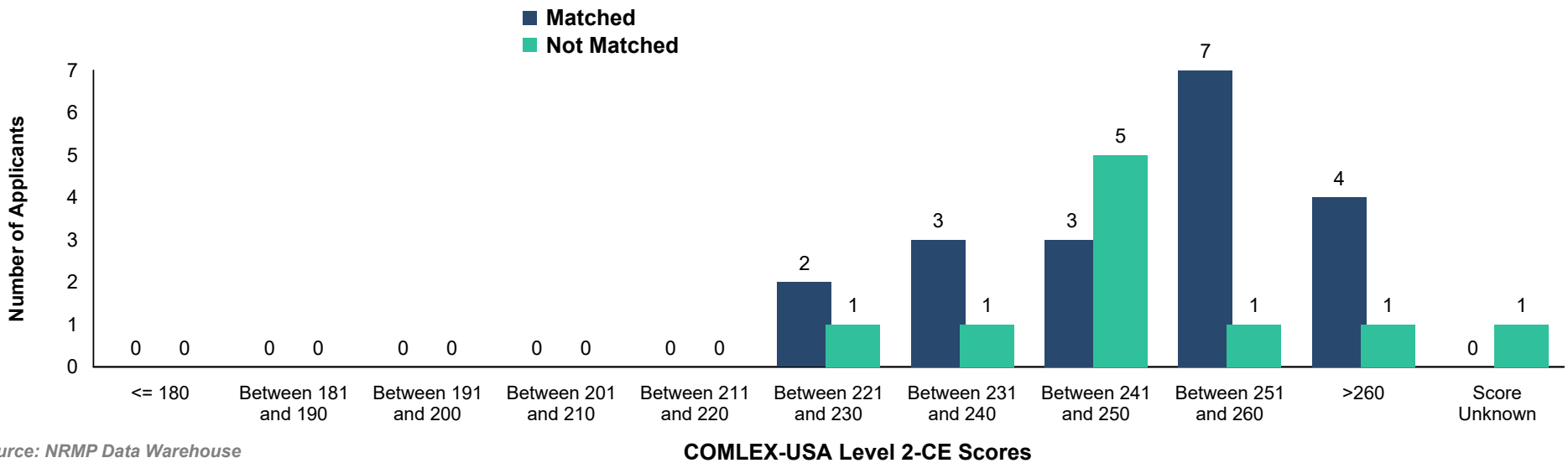
**Chart  
OTO-5**

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



**Chart  
OTO-6**

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

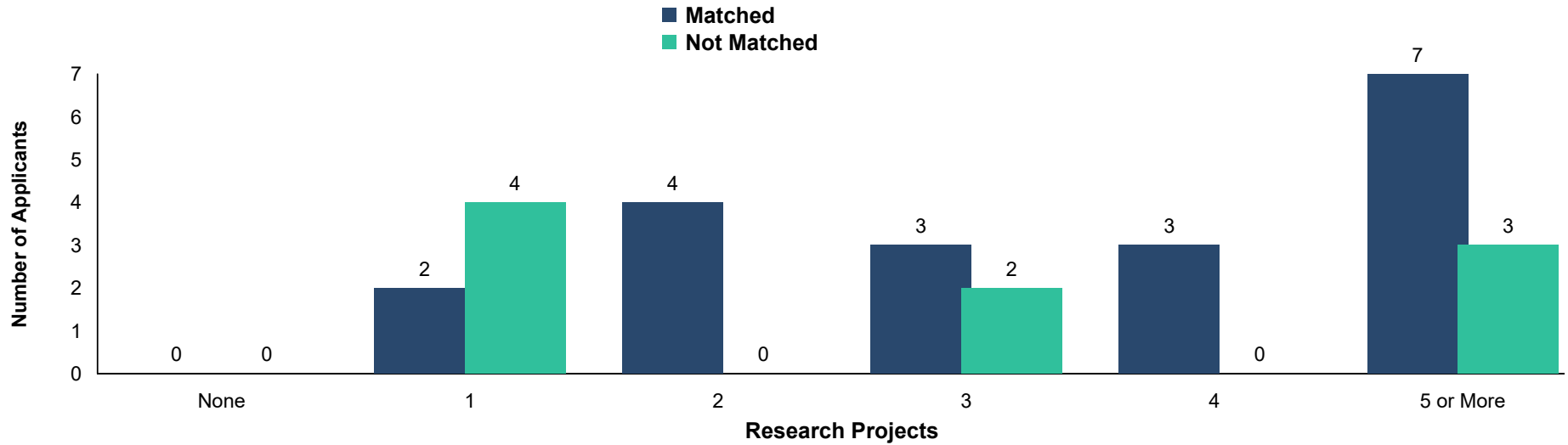


Source: NRMP Data Warehouse



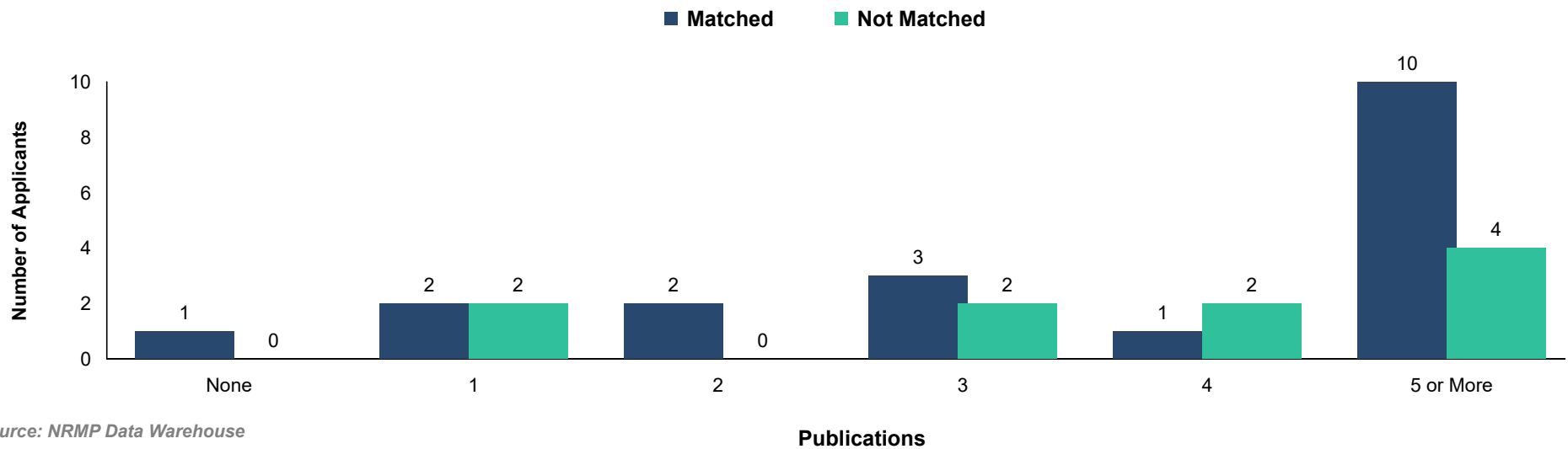
**Chart  
OTO-7**

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



**Chart  
OTO-8**

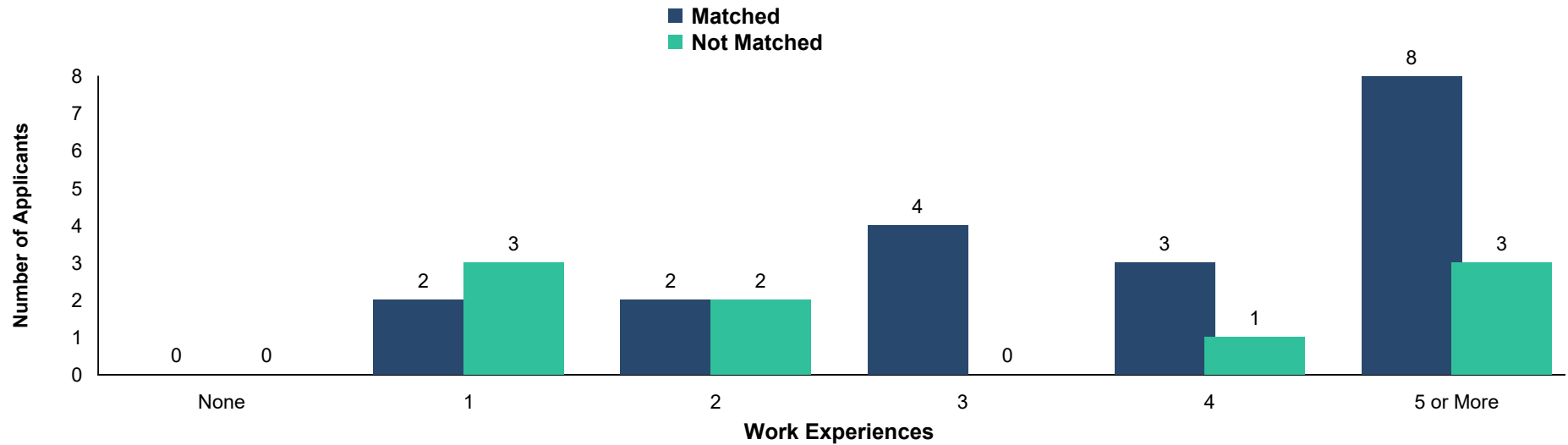
**Number of Abstracts, Presentations, and Publications of U.S. DO Seniors  
Otolaryngology**



Source: NRMP Data Warehouse

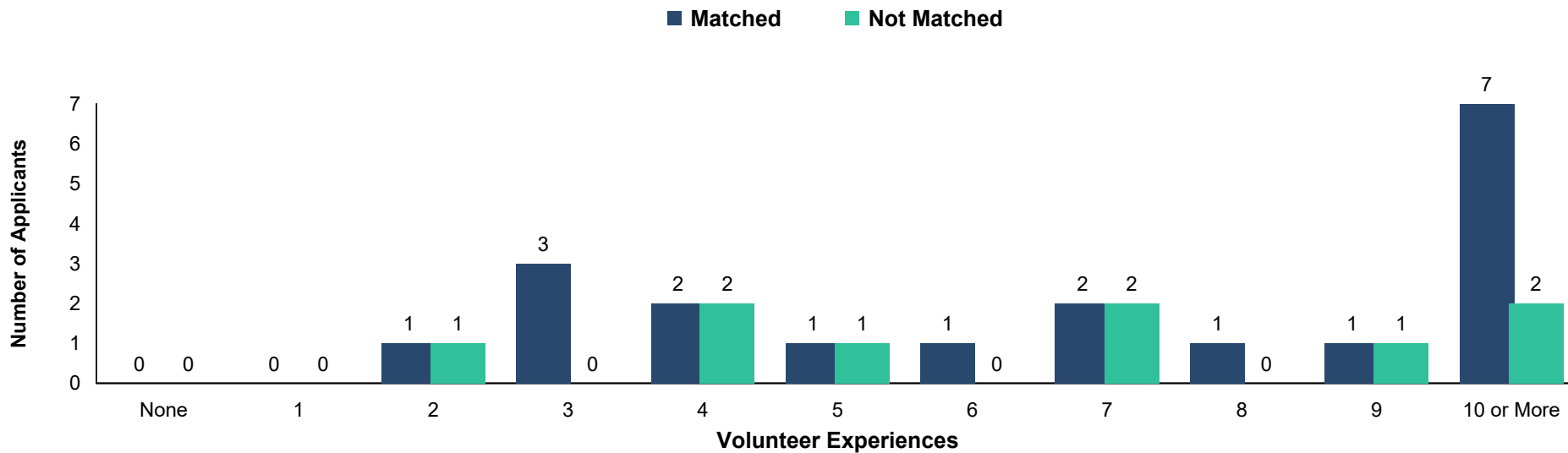
**Chart  
OTO-9**

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



**Chart  
OTO-10**

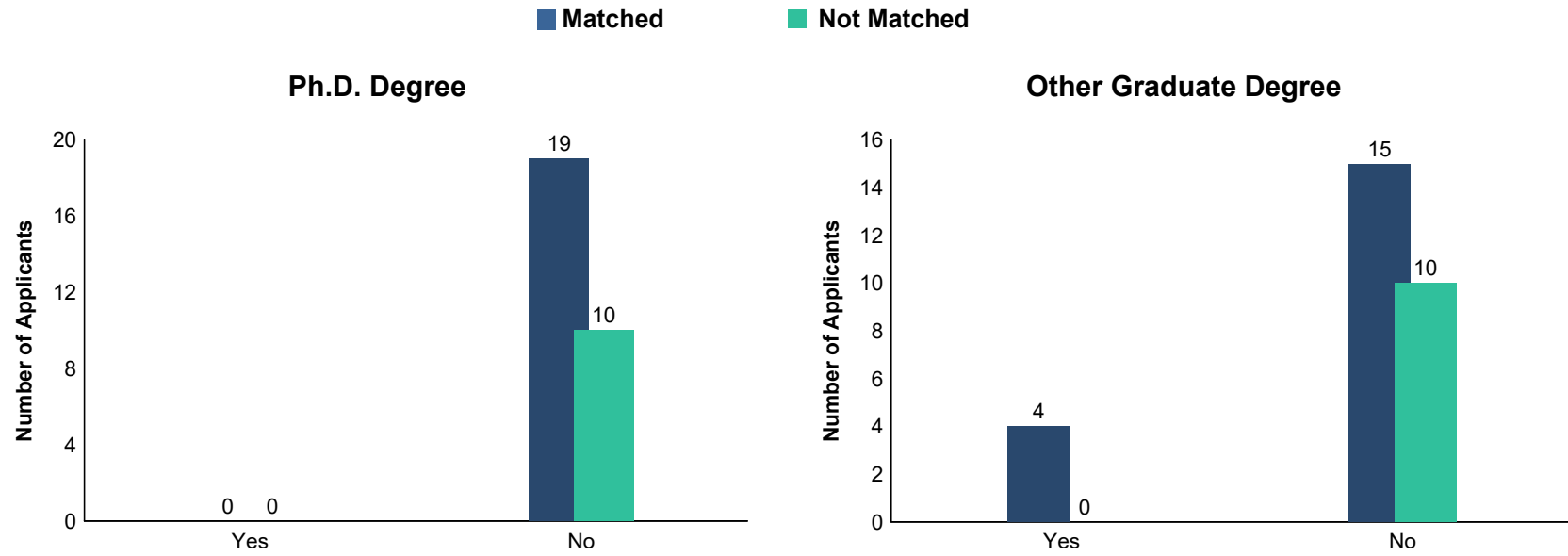
**Number of Volunteer Experiences of U.S. DO Seniors  
Otolaryngology**



Source: NRMP Data Warehouse

**Chart  
OTO-11**

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



Source: NRMP Data Warehouse.

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**PTH** Pathology

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

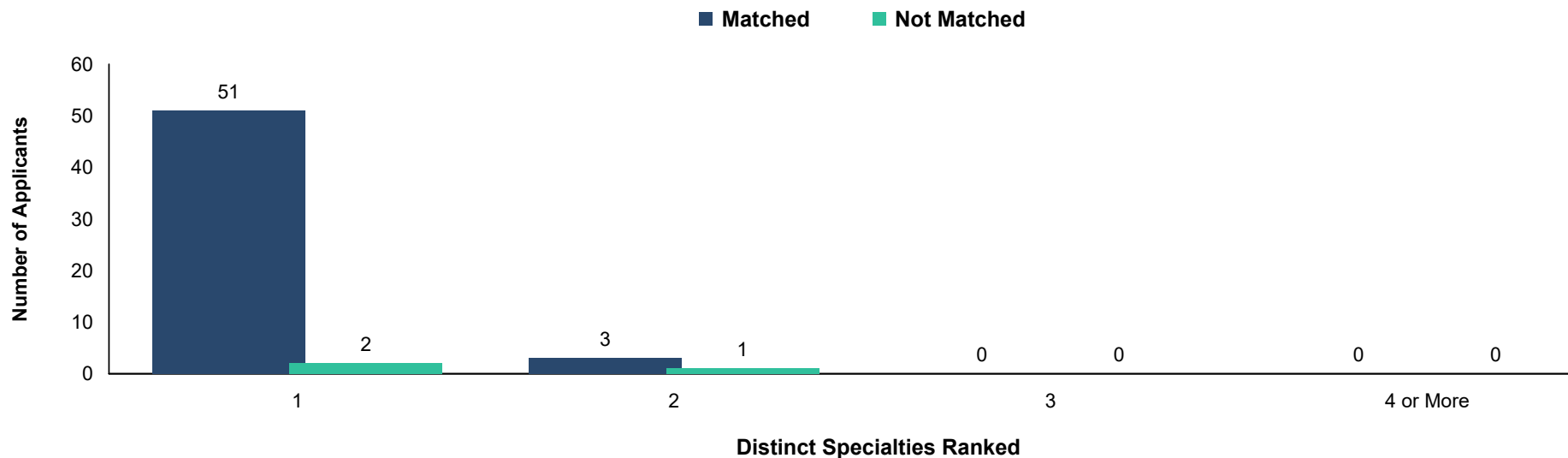
Measure	Matched (n=54)	Unmatched (n=3)
1. Mean number of contiguous ranks	14.4	3.7
2. Mean number of distinct specialties ranked	1.1	1.3
3. Mean COMLEX-USA Level 1 score	544	421
4. Mean COMLEX-USA Level 2-CE score	550	420
5. Mean USMLE Step 1 score	224	197
6. Mean USMLE Step 2 CK score	238	
7. Mean number of research experiences	1.8	0.7
8. Mean number of abstracts, presentations, and publications	3.7	0.7
9. Mean number of work experiences	3.5	0.5
10. Mean number of volunteer experiences	8.3	4.0
11. Percentage who have a Ph.D. degree	6.3	0.0
12. Percentage who have another graduate degree	35.4	0.0

Source: NRMP Data Warehouse.

Note: Only U.S. DO seniors who gave consent to use their information in research are included. Data were not reported for USMLE Step 2 CK by unmatched U.S. DO senior applicants preferring Pathology.

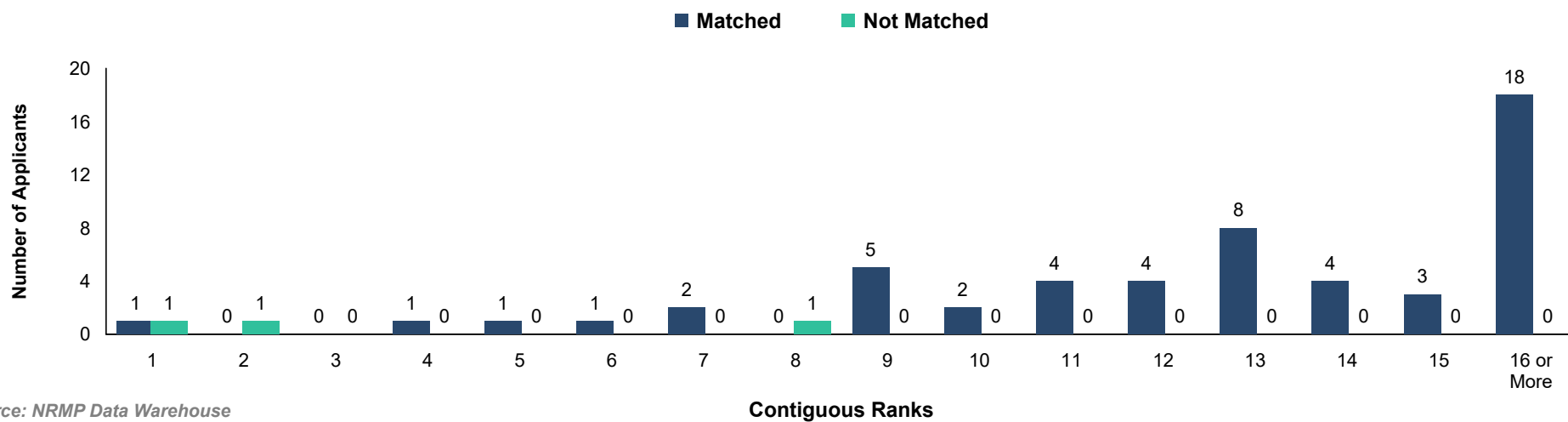
**Chart  
PTH-1**

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



**Chart  
PTH-2**

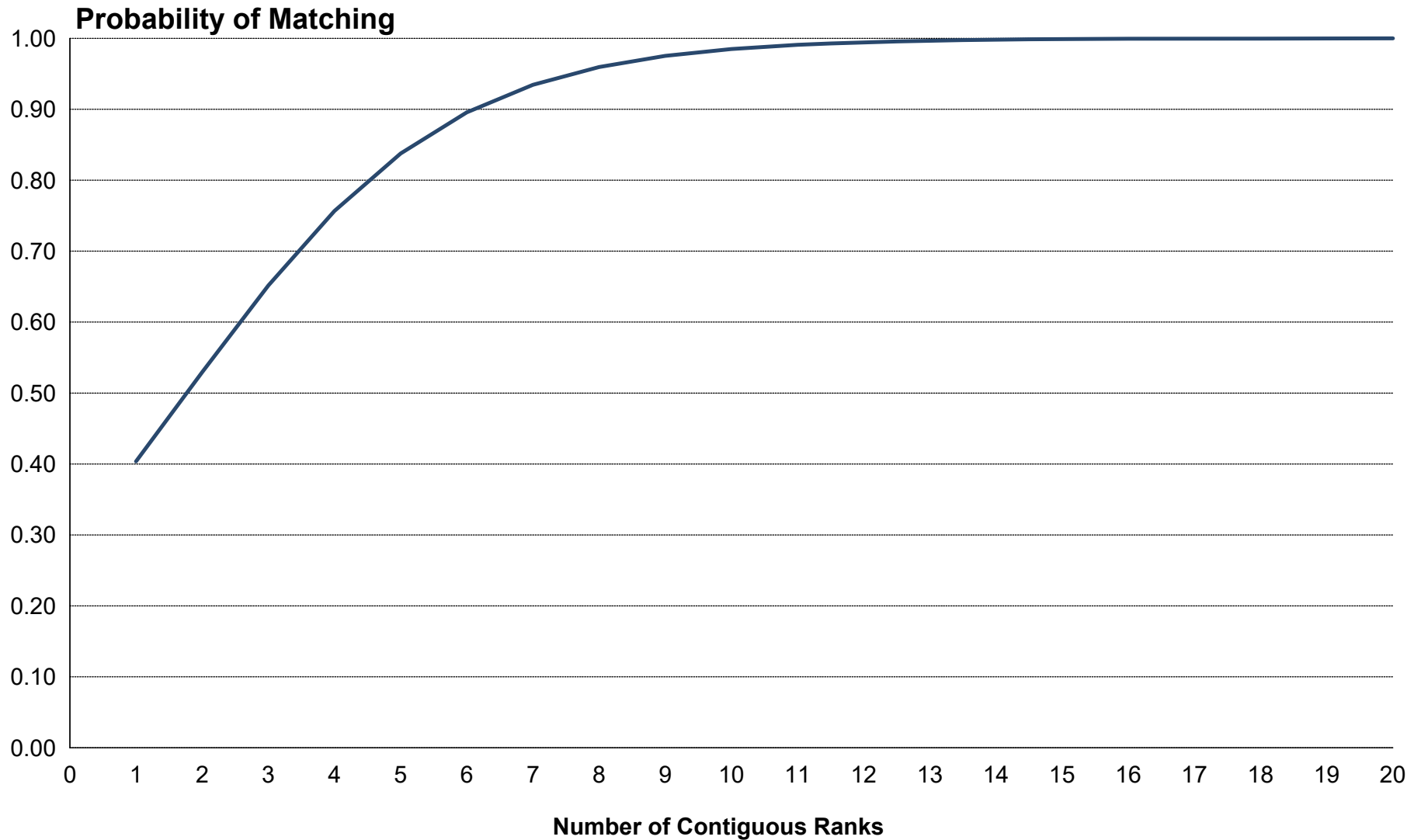
**Number of Contiguous Ranks of U.S. DO Seniors**  
*Pathology*



Source: NRMP Data Warehouse

**Graph  
PTH-1**

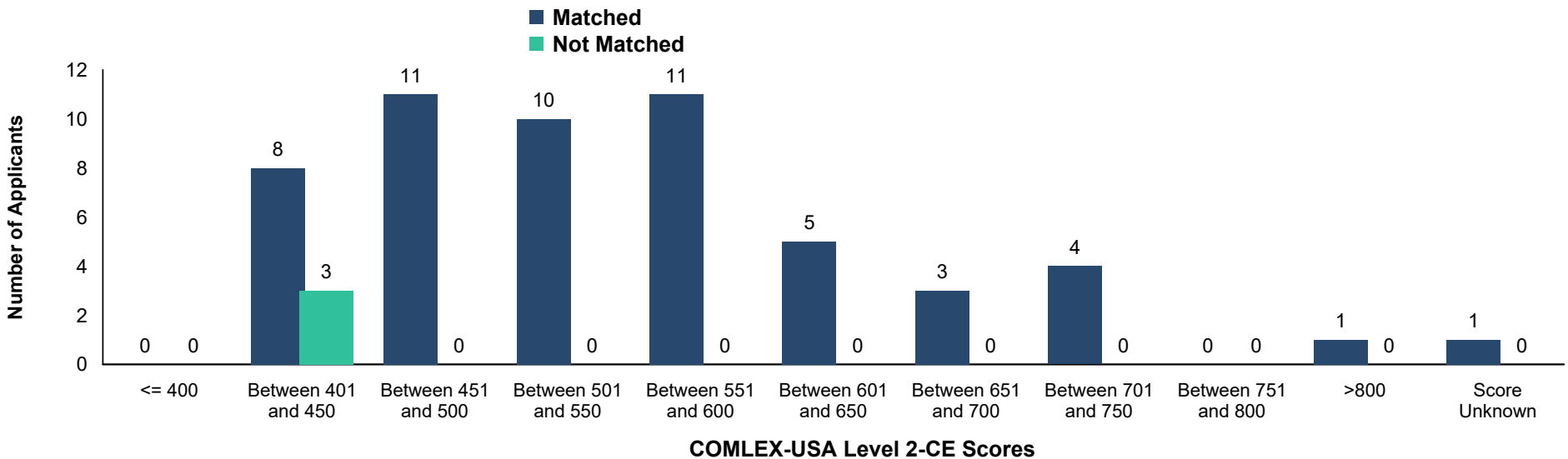
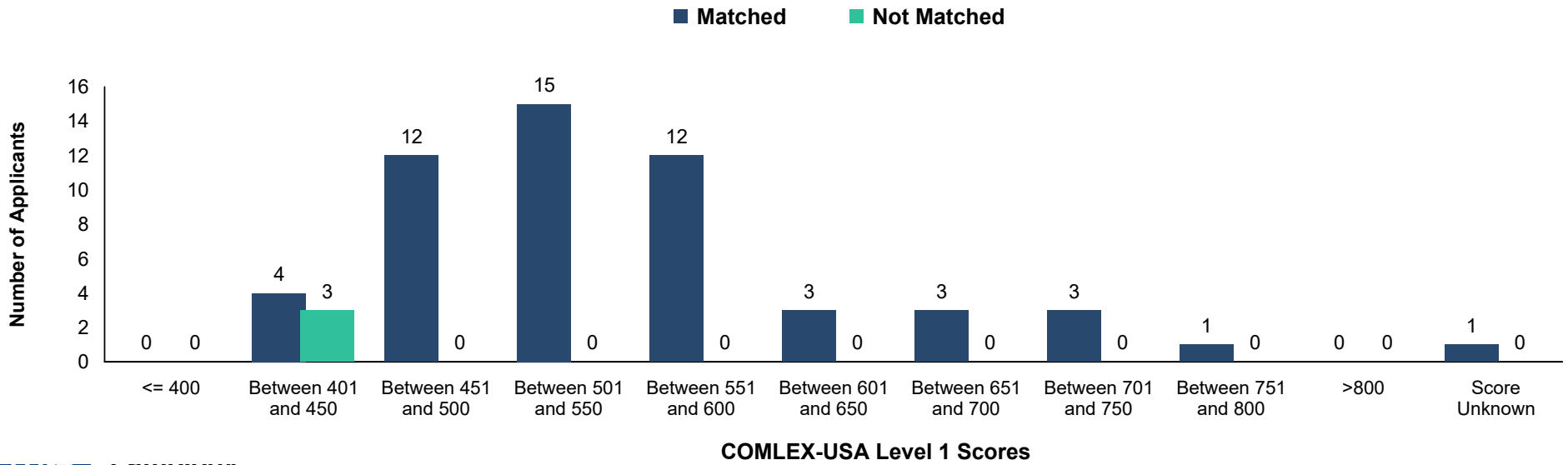
**Probability of U.S. DO Seniors Matching to Preferred Specialty by Number of Contiguous Ranks**  
*Pathology*



Source: NRMP Data Warehouse. Note: Probabilities calculated based on 2020-2022 applicants.

**Chart  
PTH-3**

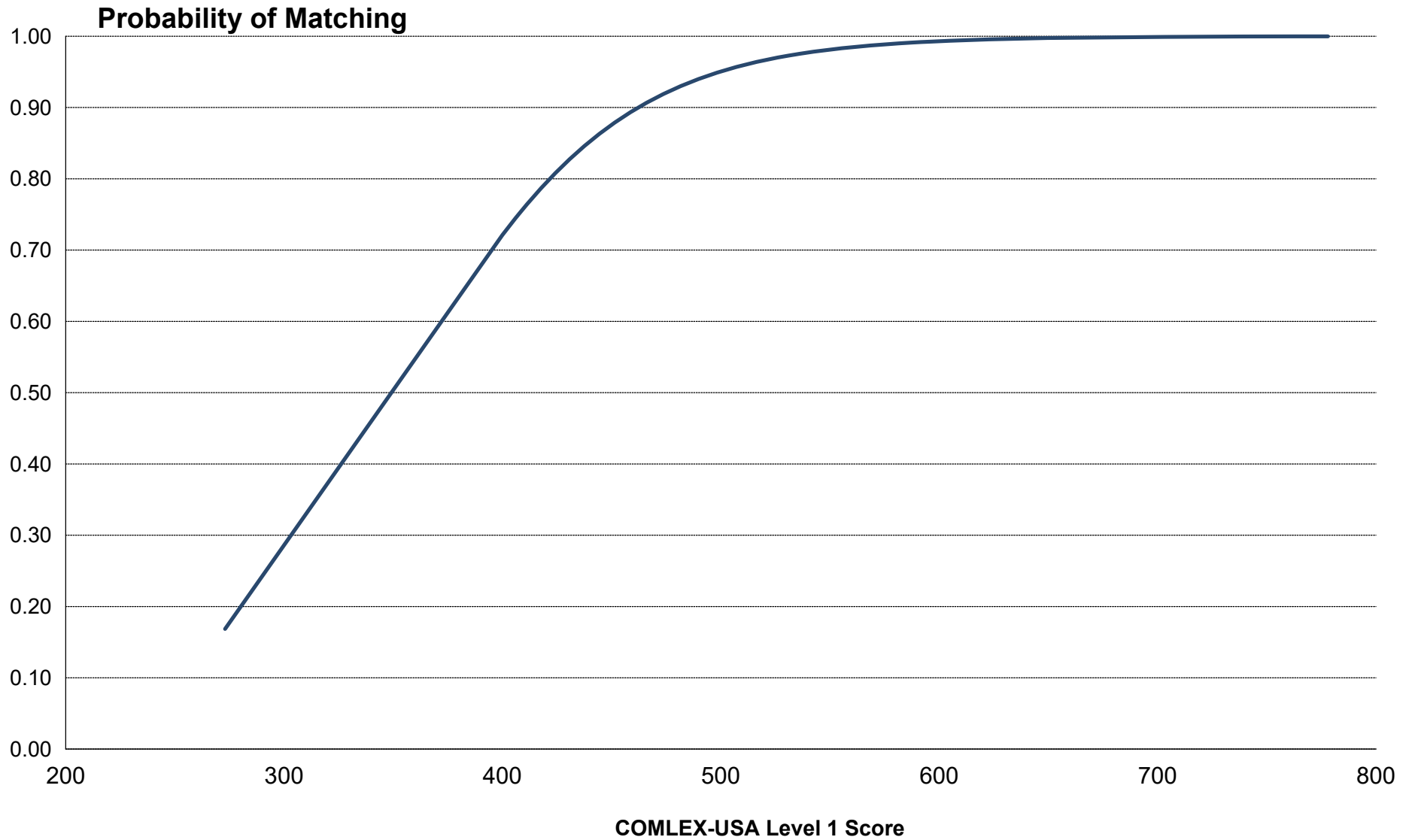
**COMLEX-USA Level 1 Scores of U.S. DO Seniors**  
*Pathology*







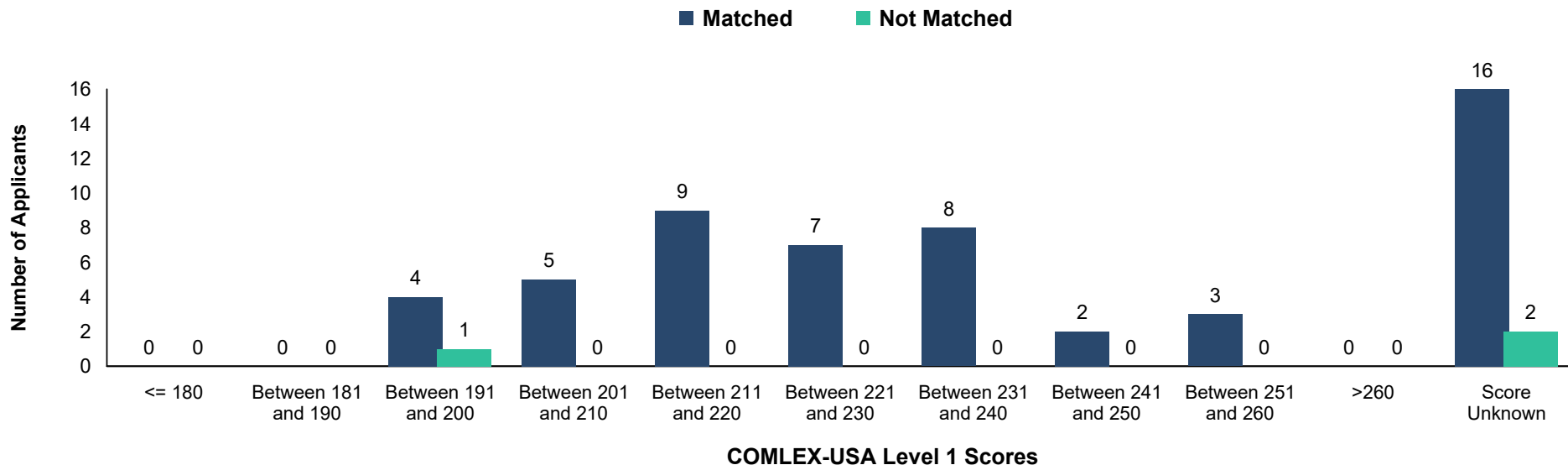
**Probability of U.S. DO Seniors Matching to Preferred Specialty by COMLEX-USA Level 1 Score**  
*Pathology*



So

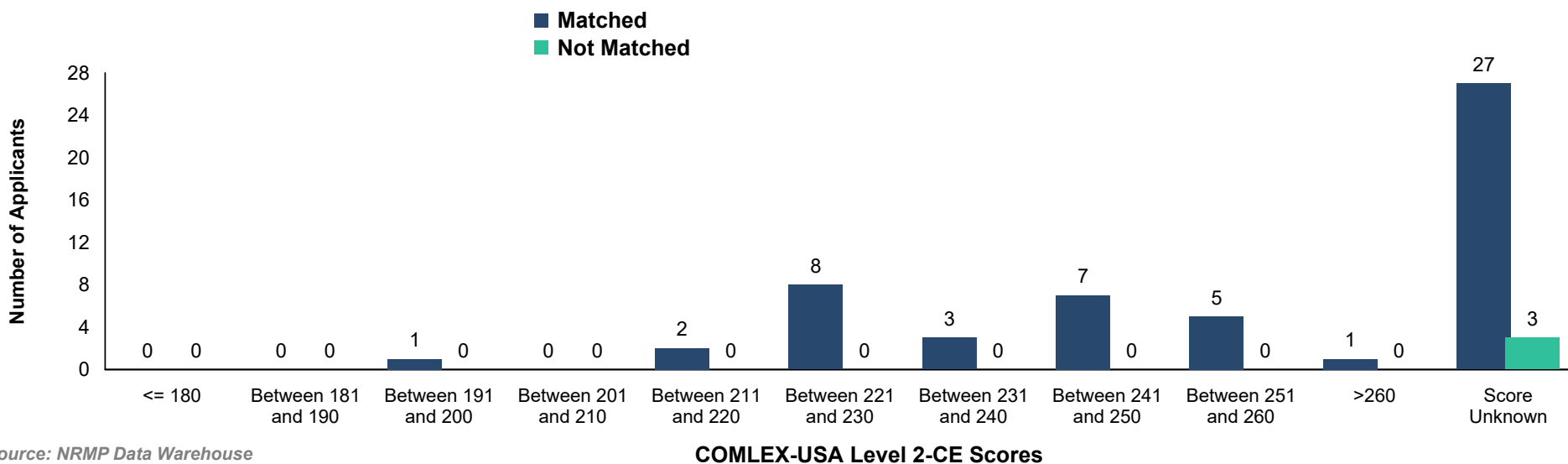
**Chart  
PTH-5**

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



**Chart  
PTH-6**

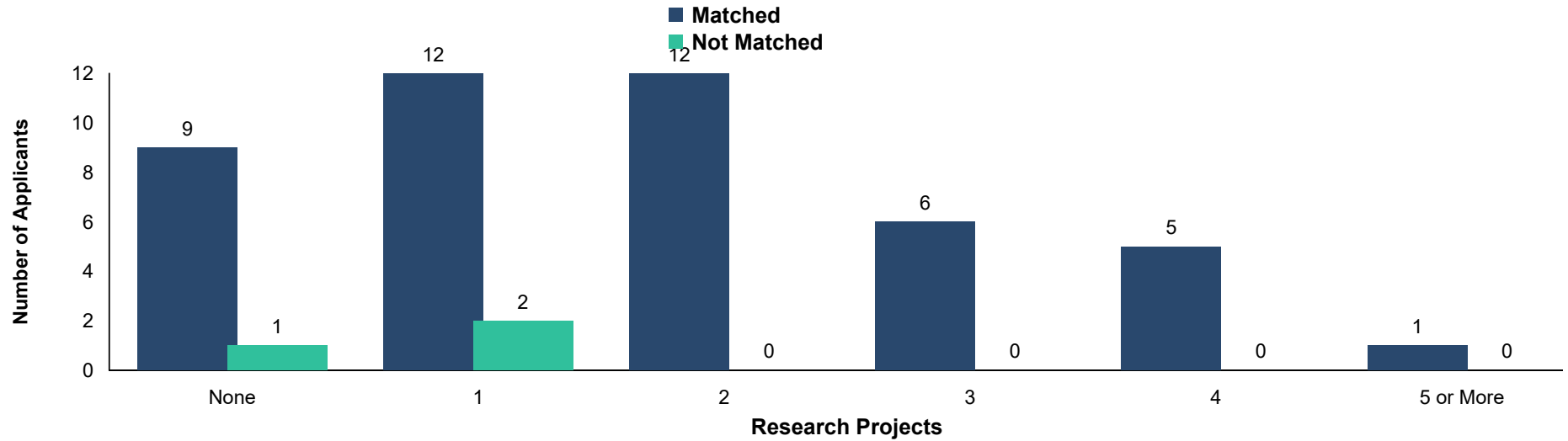
**USMLE Step 2 CK Scores of U.S. DO Seniors  
Pathology**



Source: NRMP Data Warehouse

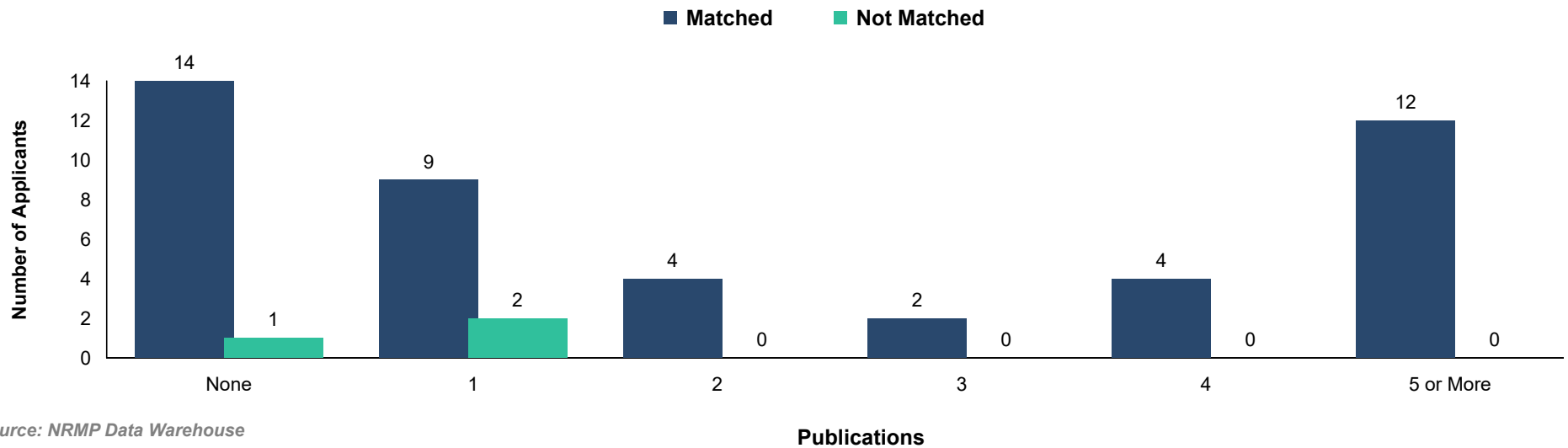
**Chart  
PTH-7**

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



**Chart  
PTH-8**

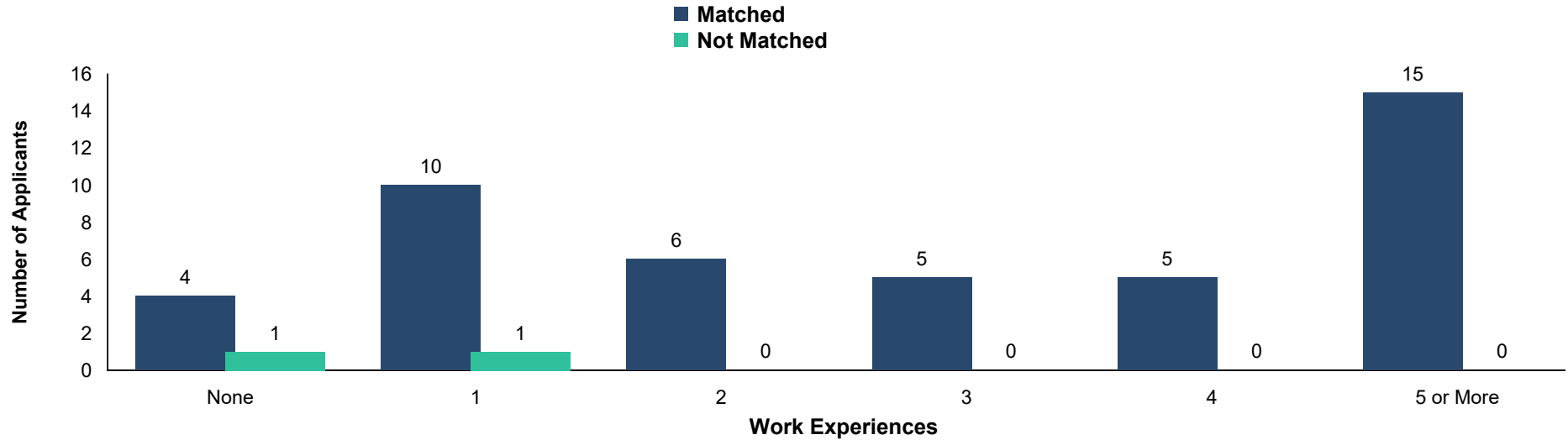
**Number of Abstracts, Presentations, and Publications of U.S. DO Seniors  
Pathology**



Source: NRMP Data Warehouse

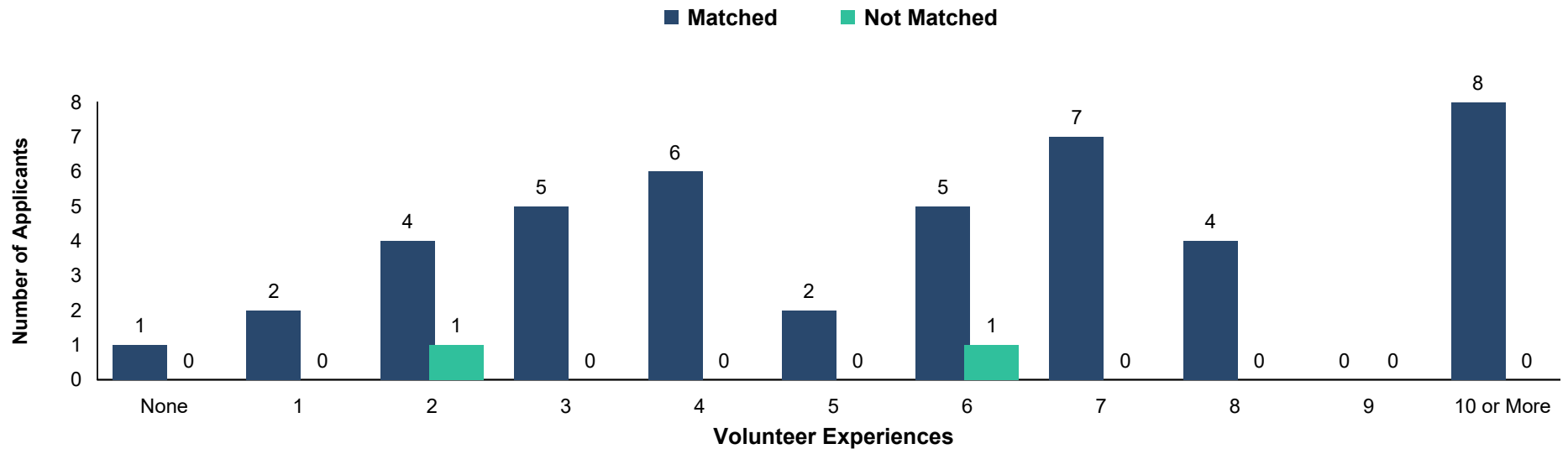
**Chart  
PTH-9**

### Number of Work Experiences of U.S. DO Seniors *Pathology*



**Chart  
PTH-10**

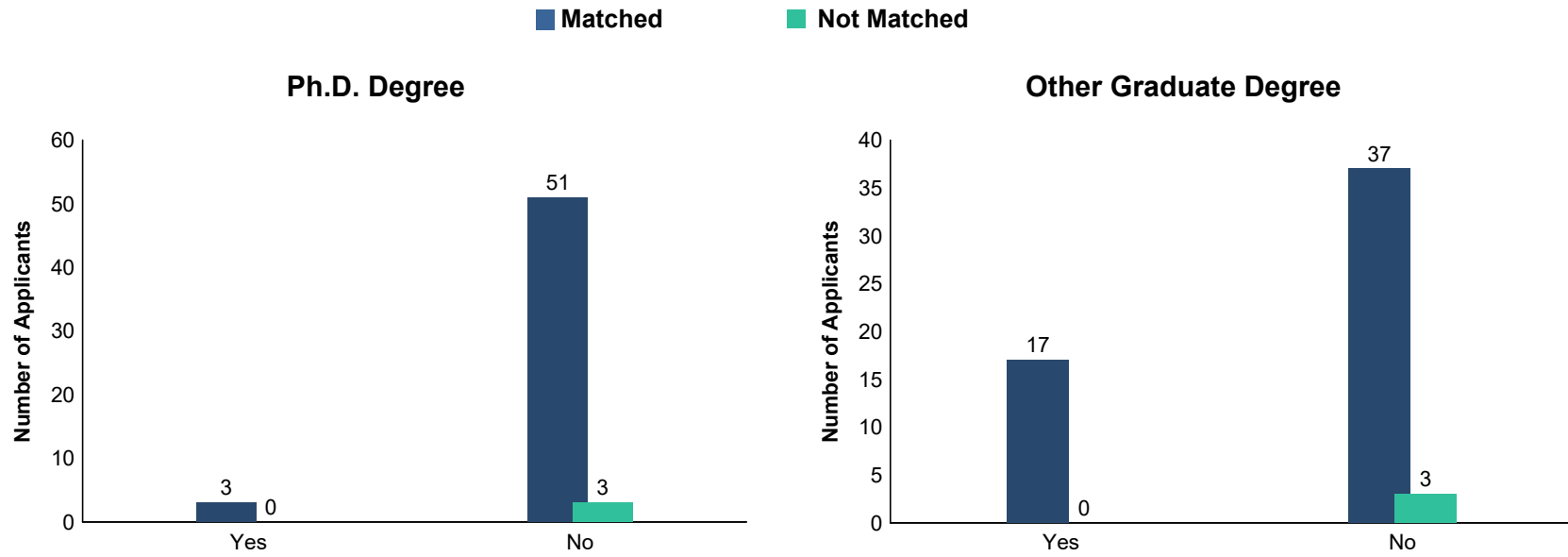
### Number of Volunteer Experiences of U.S. DO Seniors *Pathology*



Source: NRMP Data Warehouse

**Chart  
PTH-11**

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



Source: NRMP Data Warehouse.

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**PD** Pediatrics

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

Measure	Matched (n=472)	Unmatched (n=17)
1. Mean number of contiguous ranks	13.0	2.5
2. Mean number of distinct specialties ranked	1.1	1.9
3. Mean COMLEX-USA Level 1 score	520	449
4. Mean COMLEX-USA Level 2-CE score	557	463
5. Mean USMLE Step 1 score	221	204
6. Mean USMLE Step 2 CK score	238	226
7. Mean number of research experiences	1.9	2.0
8. Mean number of abstracts, presentations, and publications	3.2	2.7
9. Mean number of work experiences	3.5	2.7
10. Mean number of volunteer experiences	9.3	7.5
11. Percentage who have a Ph.D. degree	0.7	0.0
12. Percentage who have another graduate degree	19.5	37.5

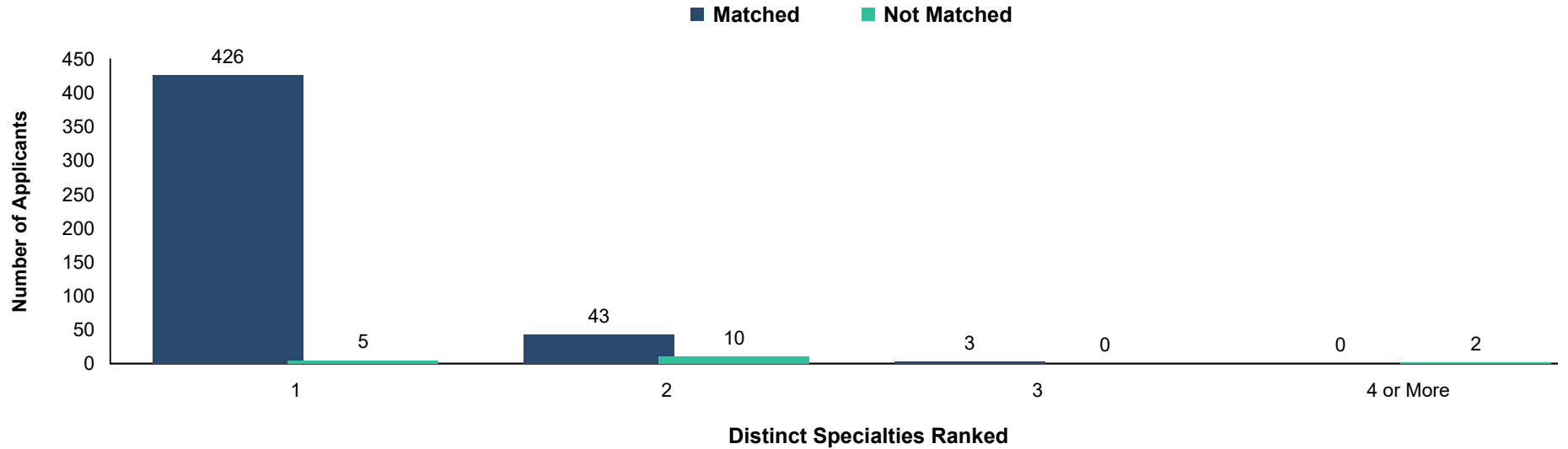
Source: NRMP Data Warehouse.

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



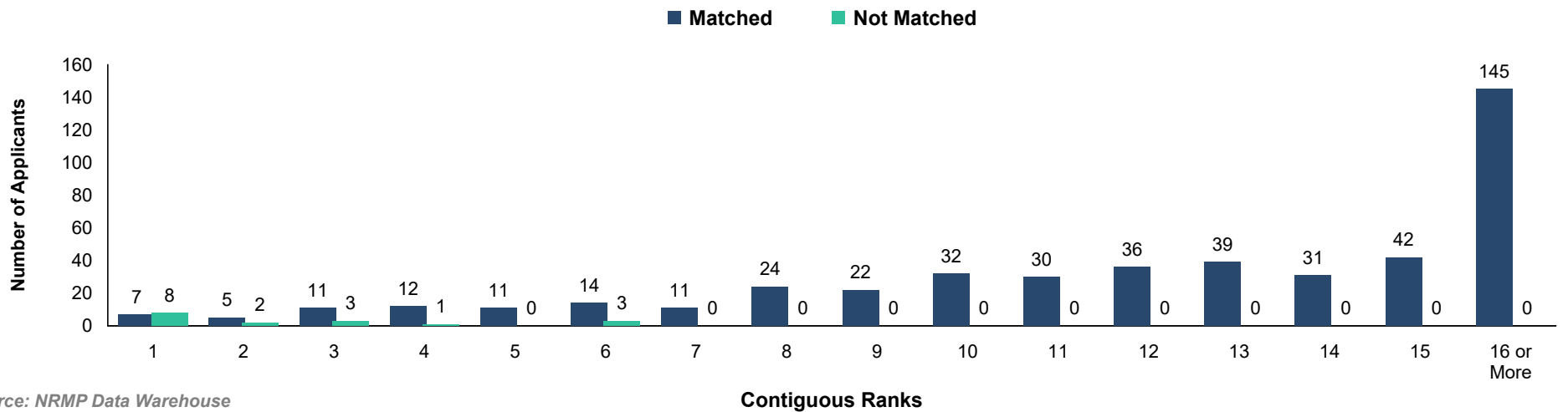
**Chart  
PD-1**

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



**Chart  
PD-2**

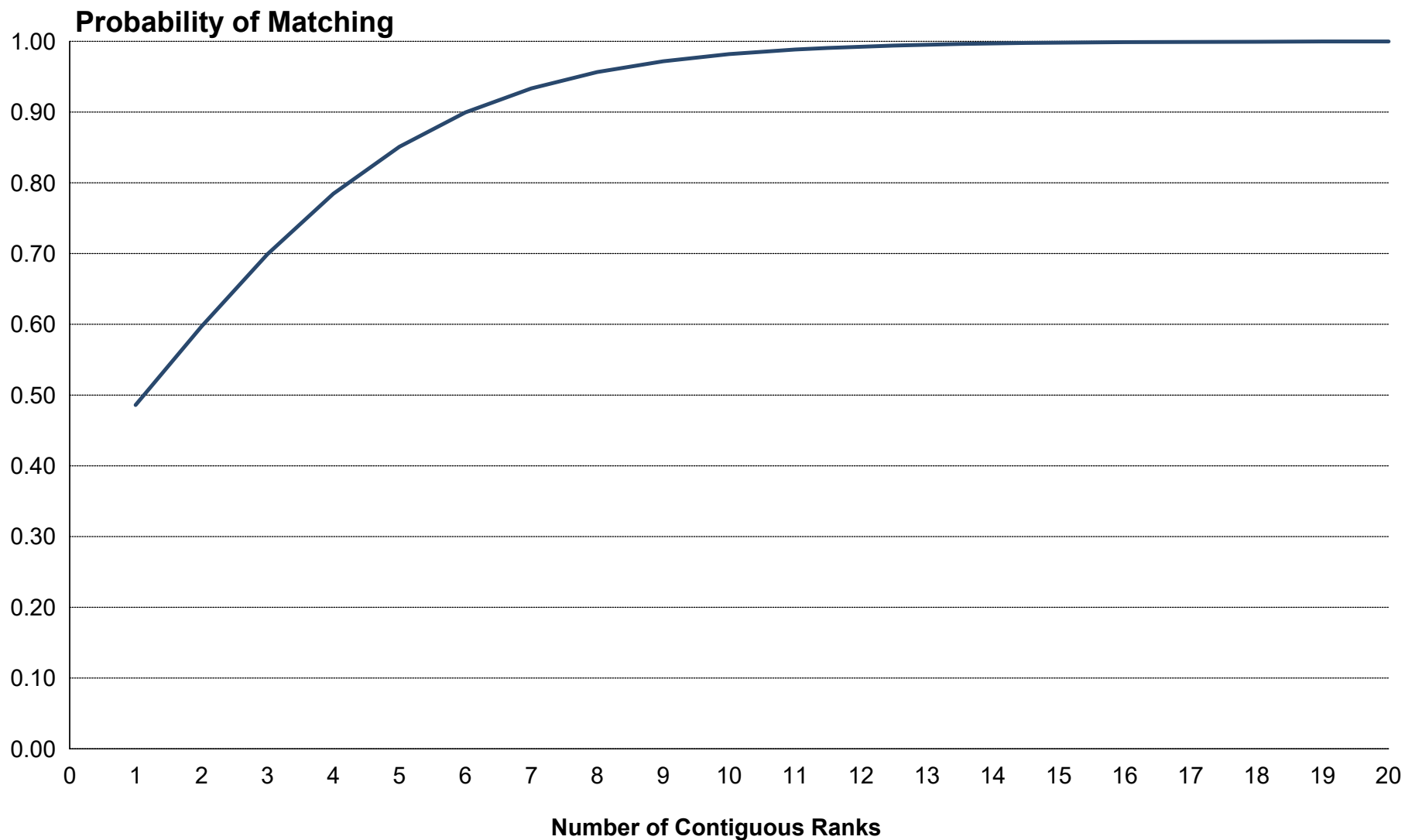
**Number of Contiguous Ranks of U.S. DO Seniors  
*Pediatrics***



Source: NRMP Data Warehouse

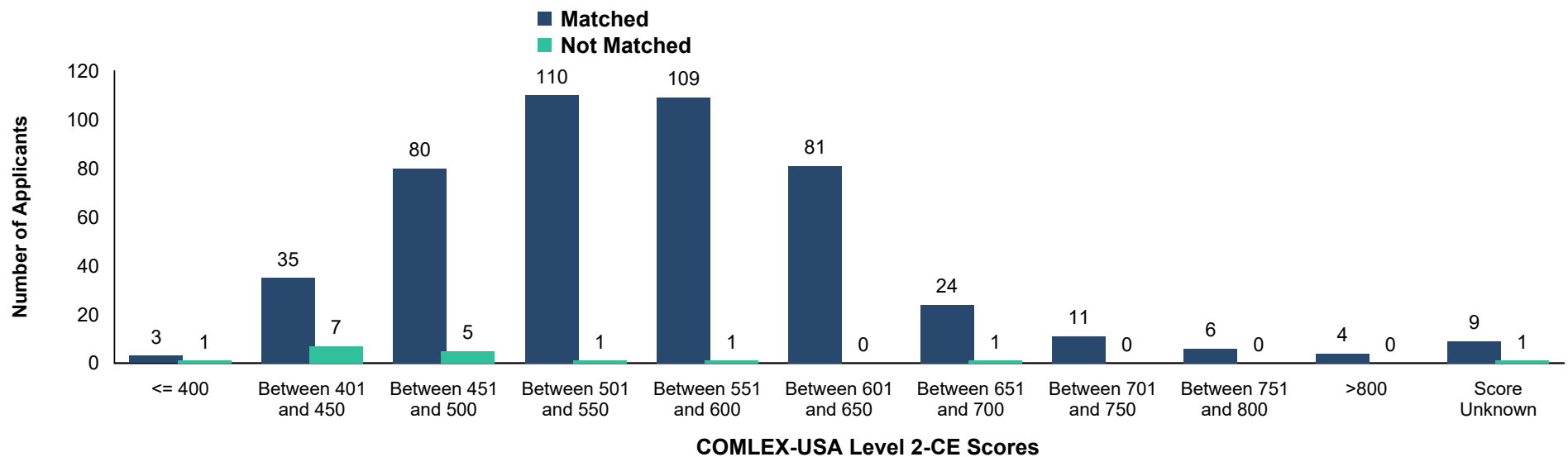
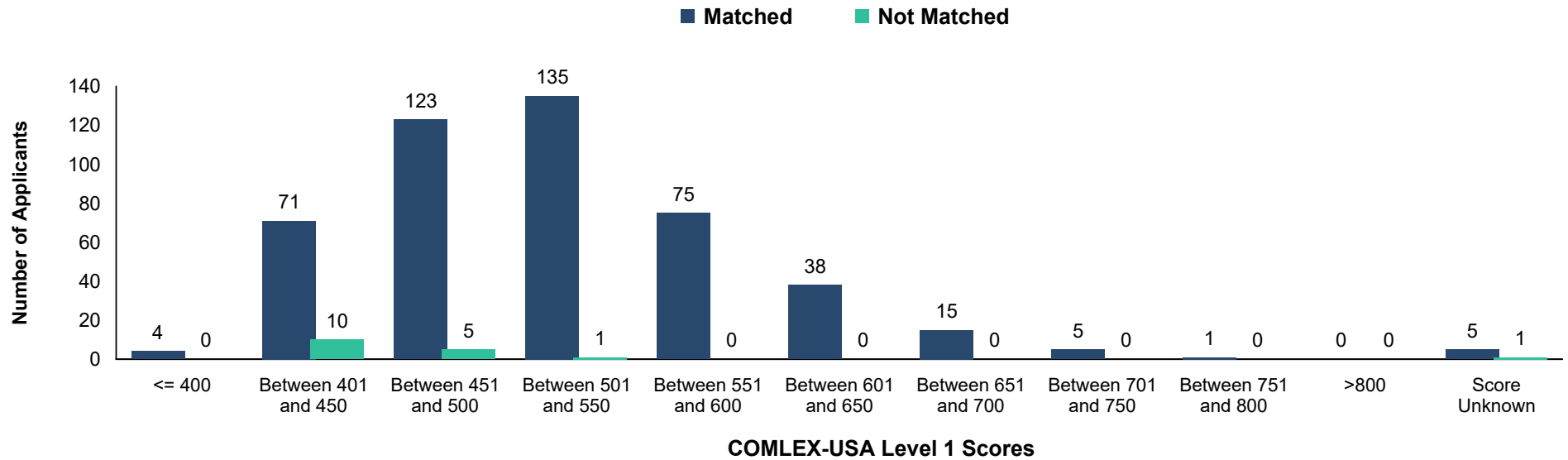
**Graph  
PD-1**

**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 2020-2022 applicants.

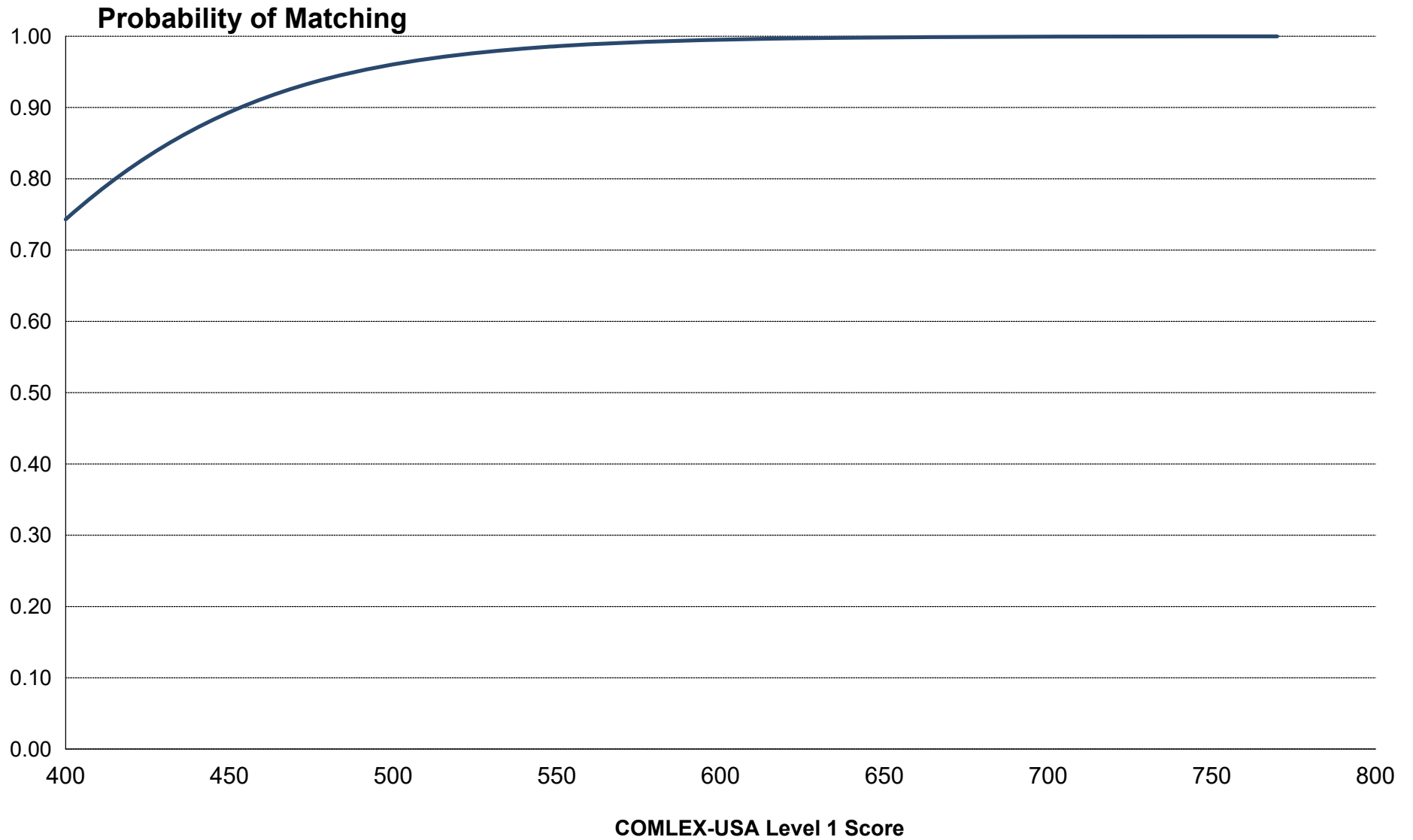
# COMLEX-USA Level 1 Scores of U.S. DO Seniors *Pediatrics*





**Graph  
PD-2**

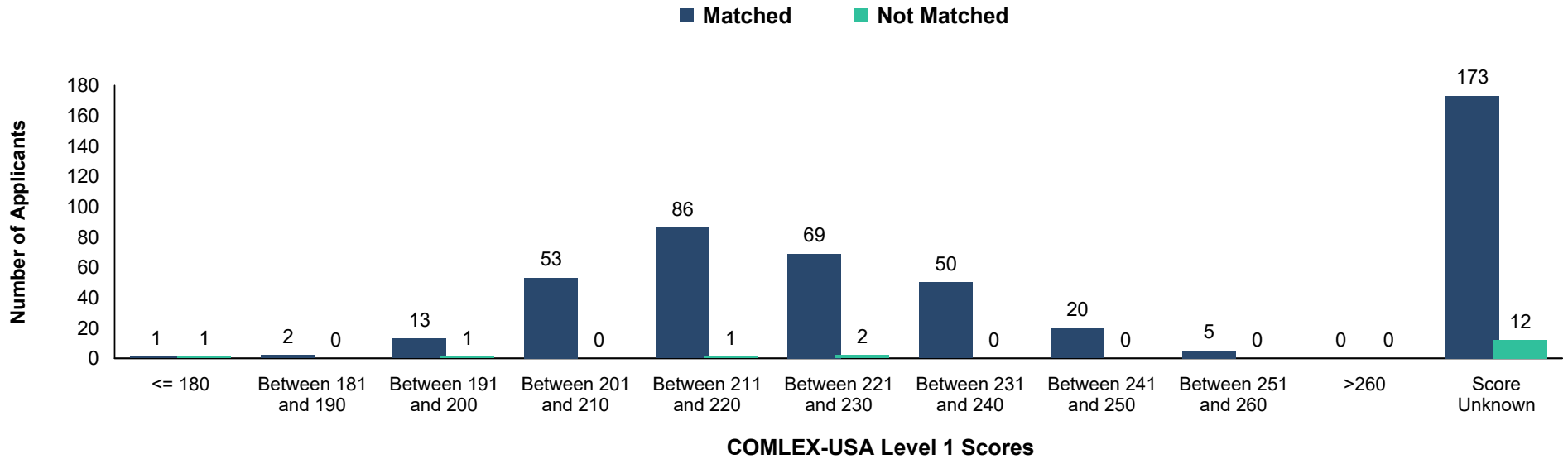
**Probability of U.S. DO Seniors Matching to Preferred Specialty by COMLEX-USA Level 1 Score**  
*Pediatrics*



So

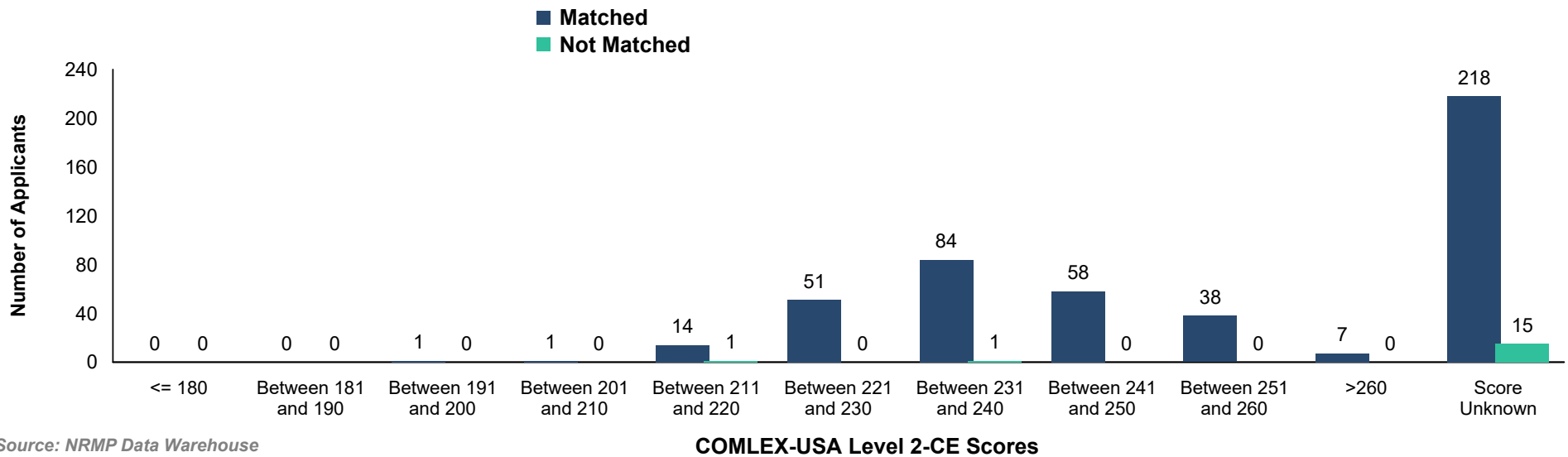
**Chart  
PD-5**

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



**Chart  
PD-6**

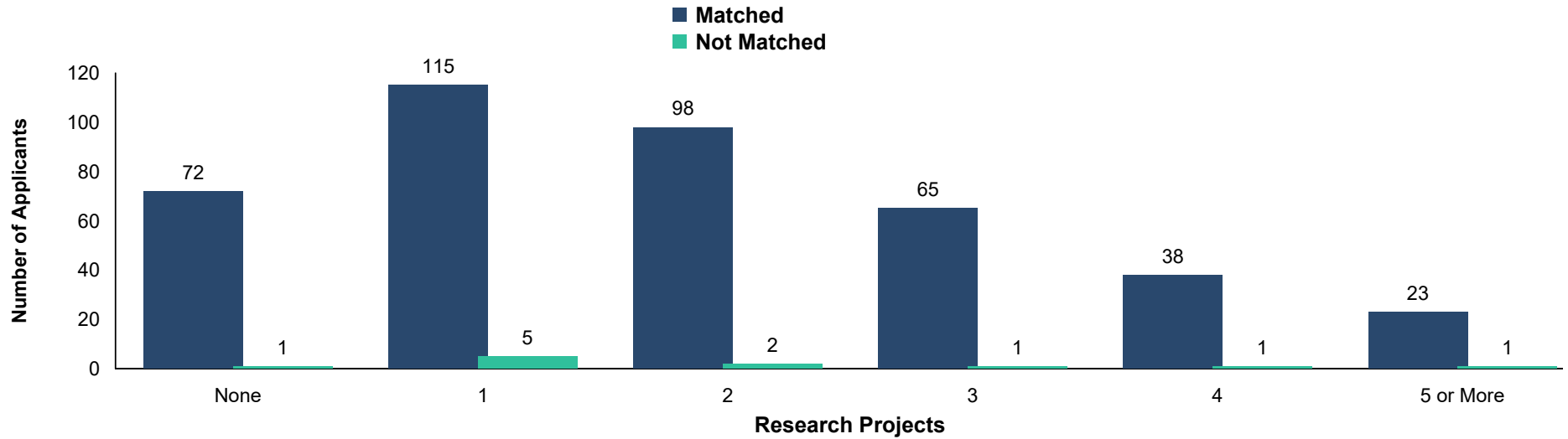
**USMLE Step 2 CK Scores of U.S. DO Seniors  
*Pediatrics***



Source: NRMP Data Warehouse

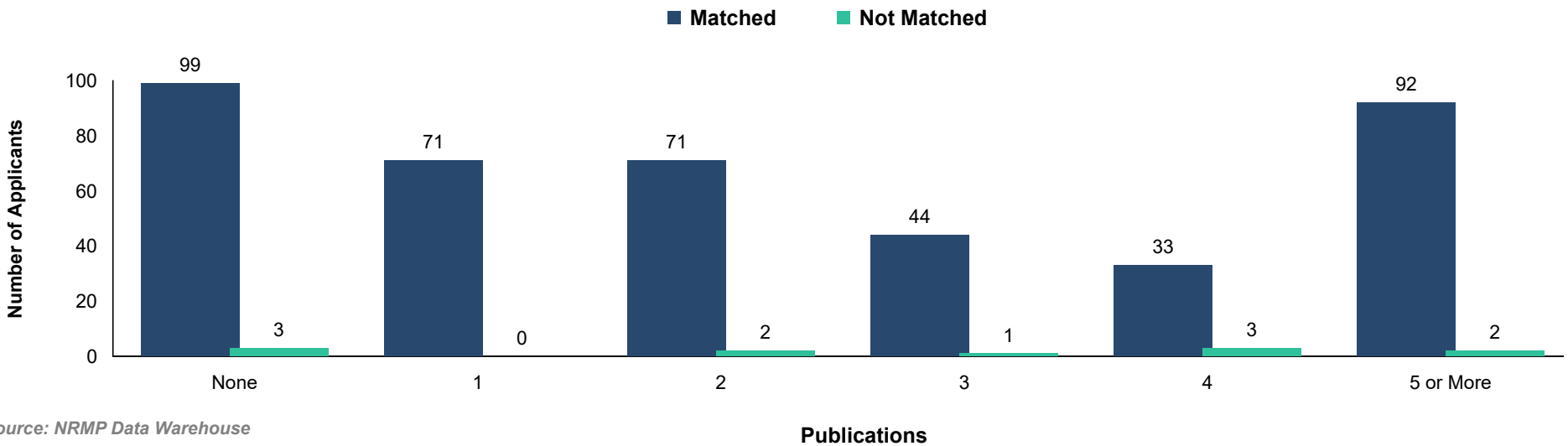
**Chart  
PD-7**

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



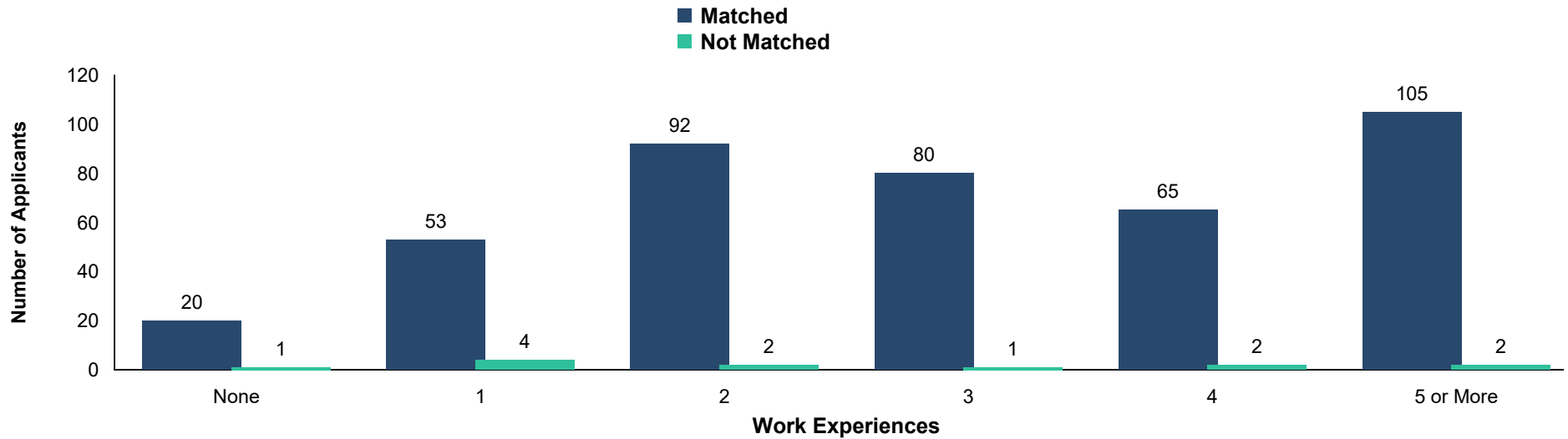
**Chart  
PD-8**

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

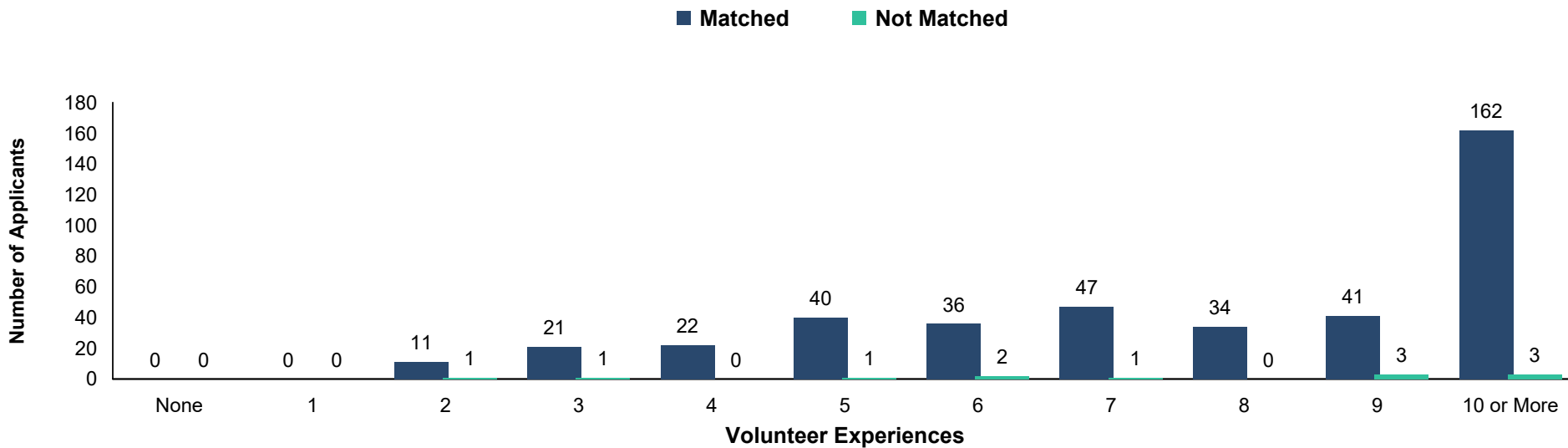


Source: NRMP Data Warehouse

**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*

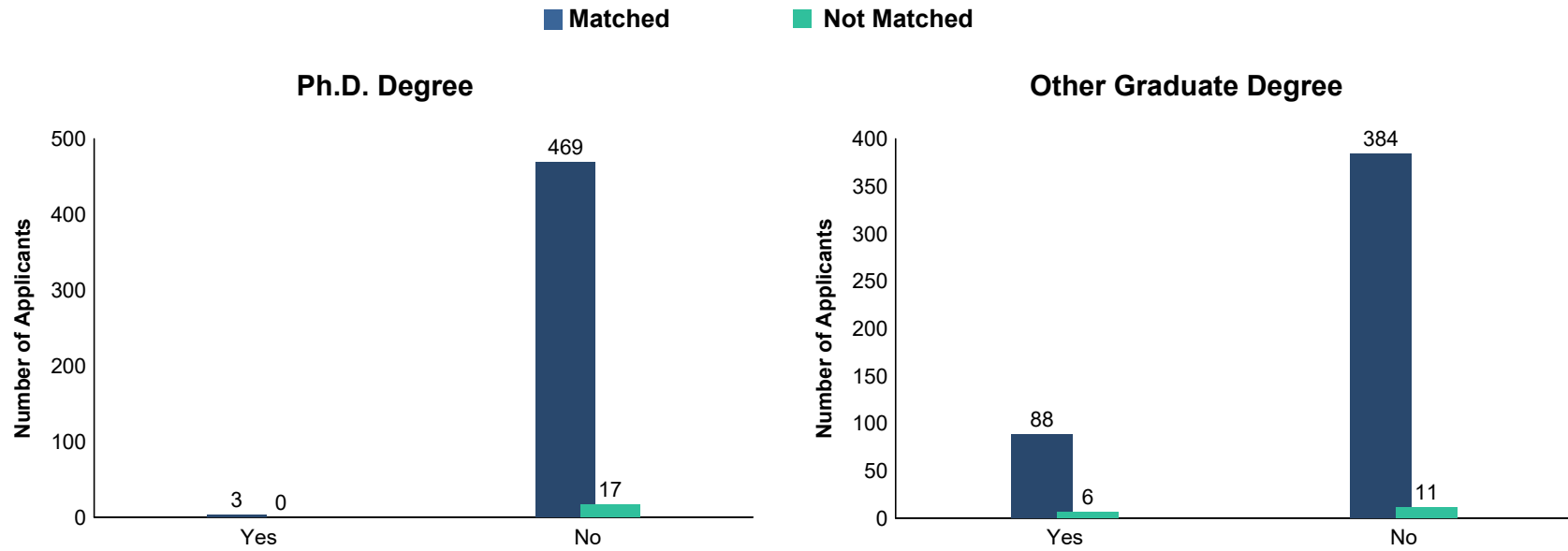


Source: NRMP Data Warehouse



**Chart  
PD-11**

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



Source: NRMP Data Warehouse.

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**PM** Physical Medicine and Rehabilitation

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

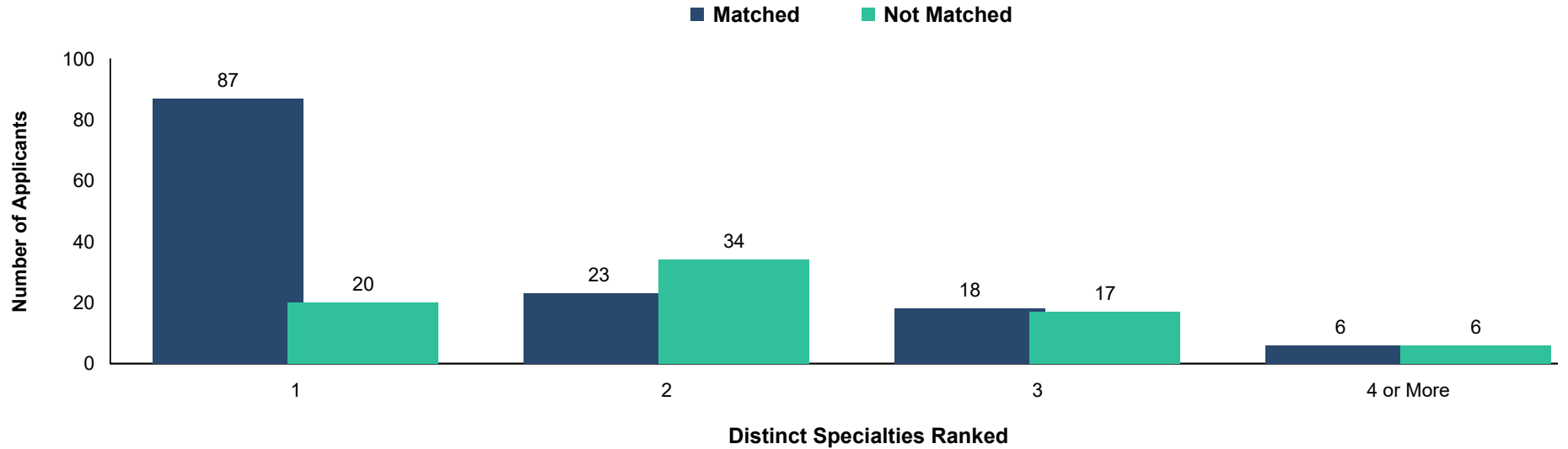
Measure	Matched (n=134)	Unmatched (n=77)
1. Mean number of contiguous ranks	12.9	5.5
2. Mean number of distinct specialties ranked	1.6	2.1
3. Mean COMLEX-USA Level 1 score	551	505
4. Mean COMLEX-USA Level 2-CE score	570	508
5. Mean USMLE Step 1 score	229	222
6. Mean USMLE Step 2 CK score	238	230
7. Mean number of research experiences	3.0	2.0
8. Mean number of abstracts, presentations, and publications	4.7	3.4
9. Mean number of work experiences	4.1	4.1
10. Mean number of volunteer experiences	8.0	6.5
11. Percentage who have a Ph.D. degree	0.0	0.0
12. Percentage who have another graduate degree	23.8	19.2

Source: NRMP Data Warehouse.

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

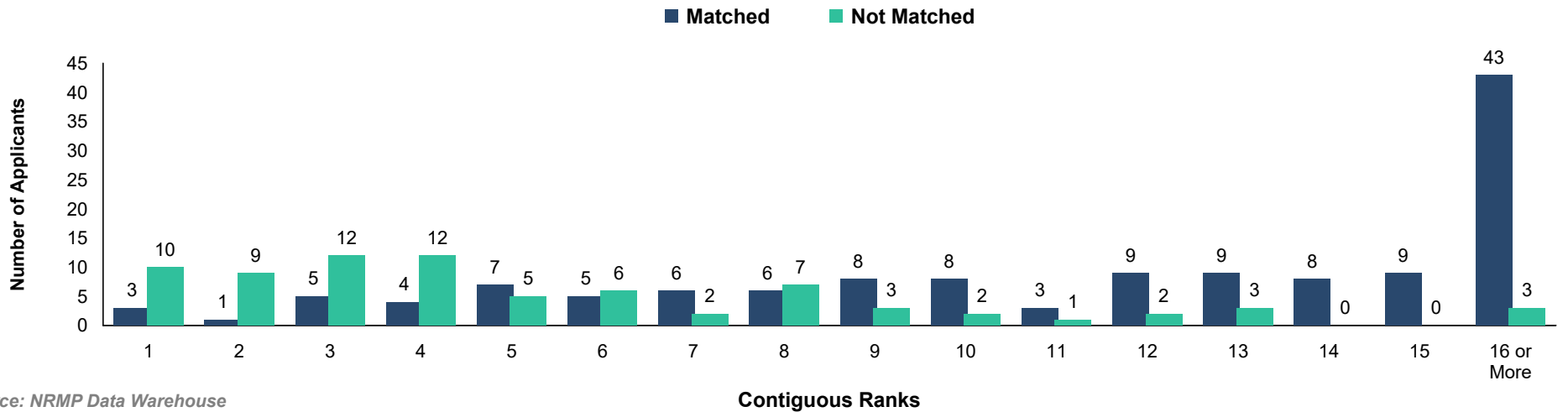
**Chart  
PM-1**

**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*

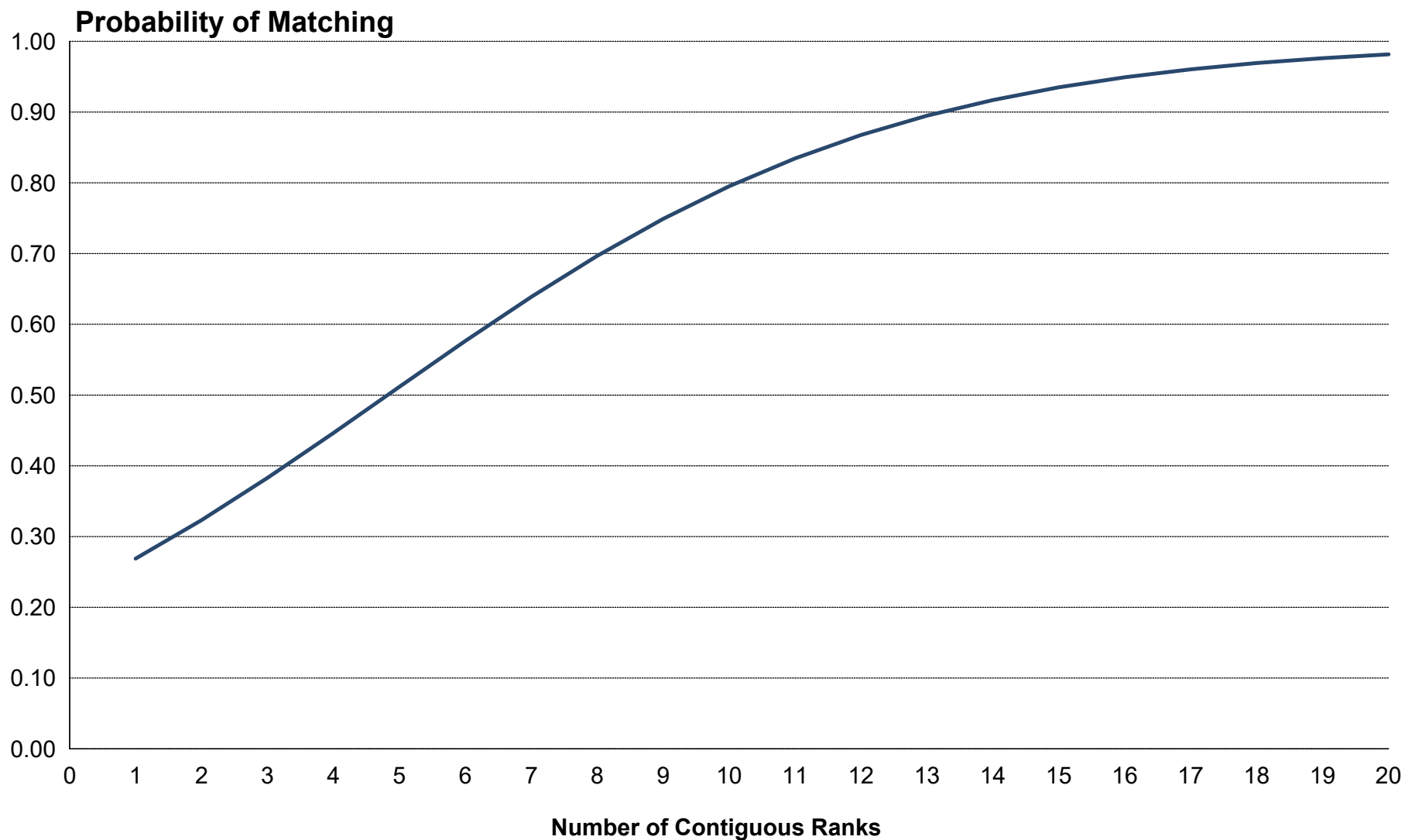


Source: NRMP Data Warehouse

**Graph  
PM-1**

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

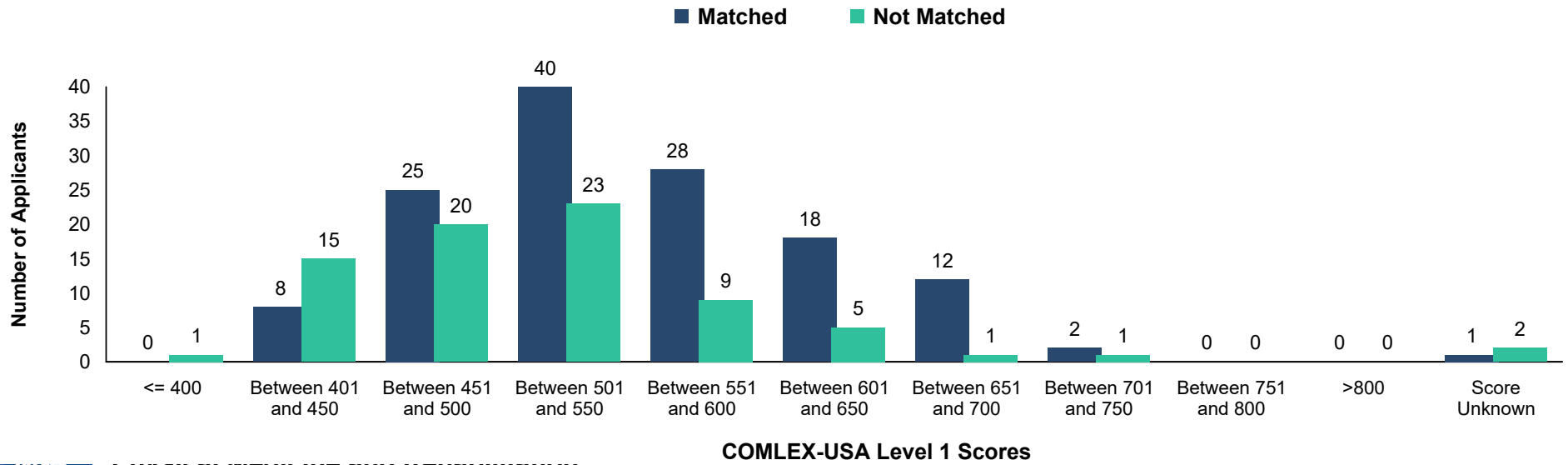
*Physical Medicine and Rehabilitation*



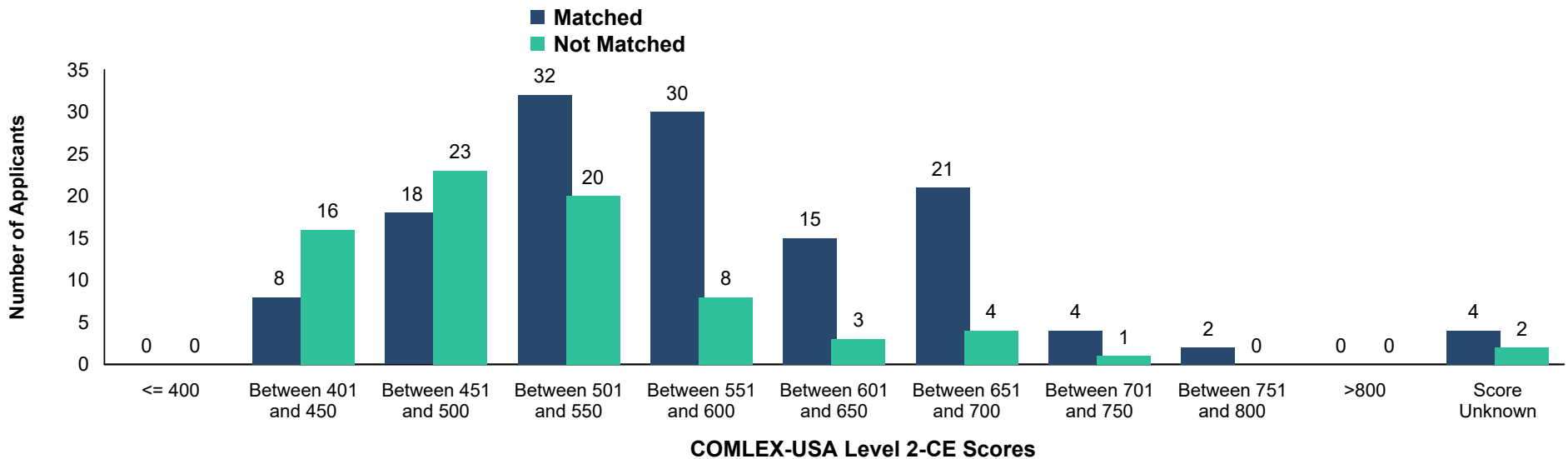
Source: NRMP Data Warehouse. Note: Probabilities calculated based on 2020-2022 applicants.

**Chart  
PM-3**

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



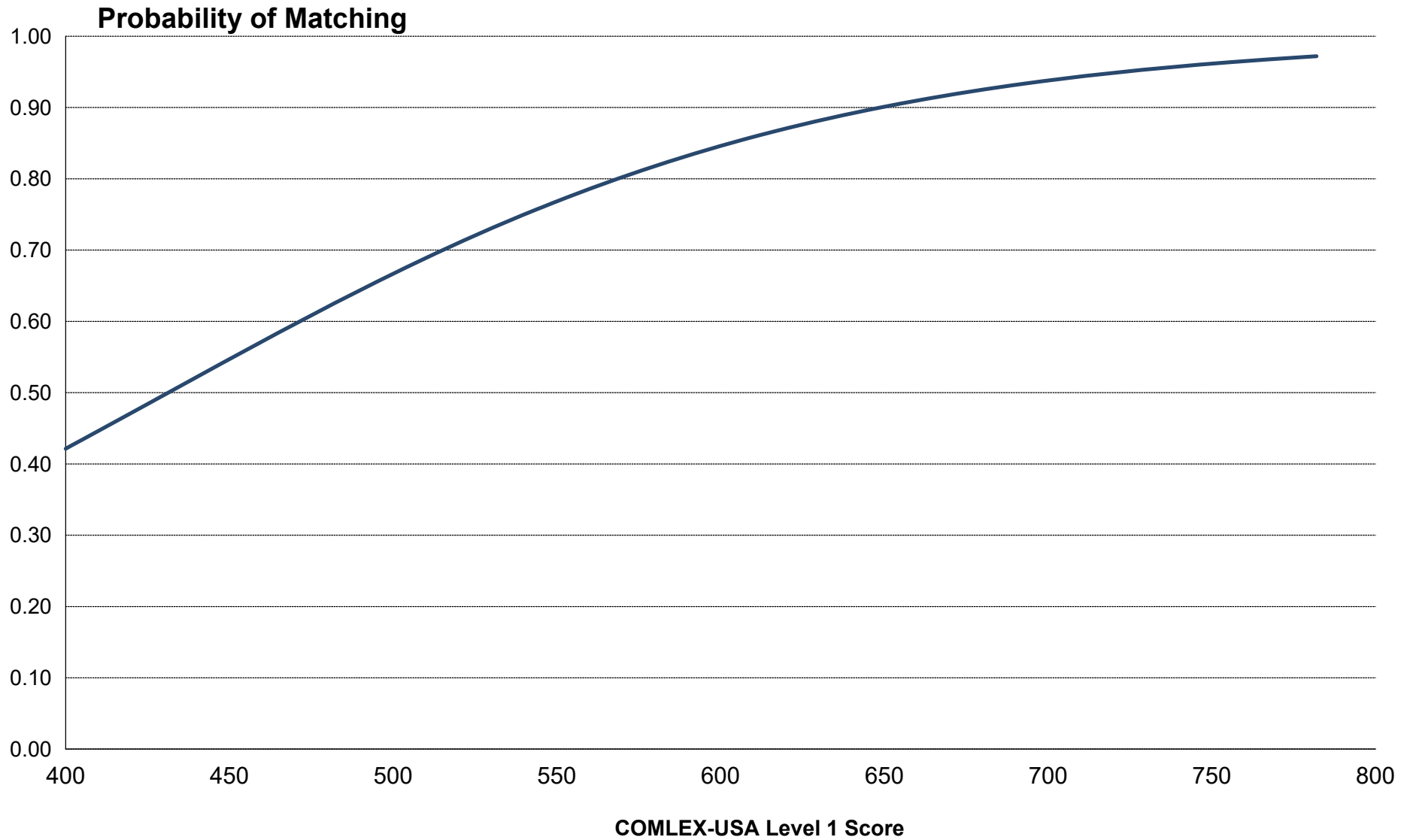
**Physical Medicine and Rehabilitation**





**Graph  
PM-2**

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

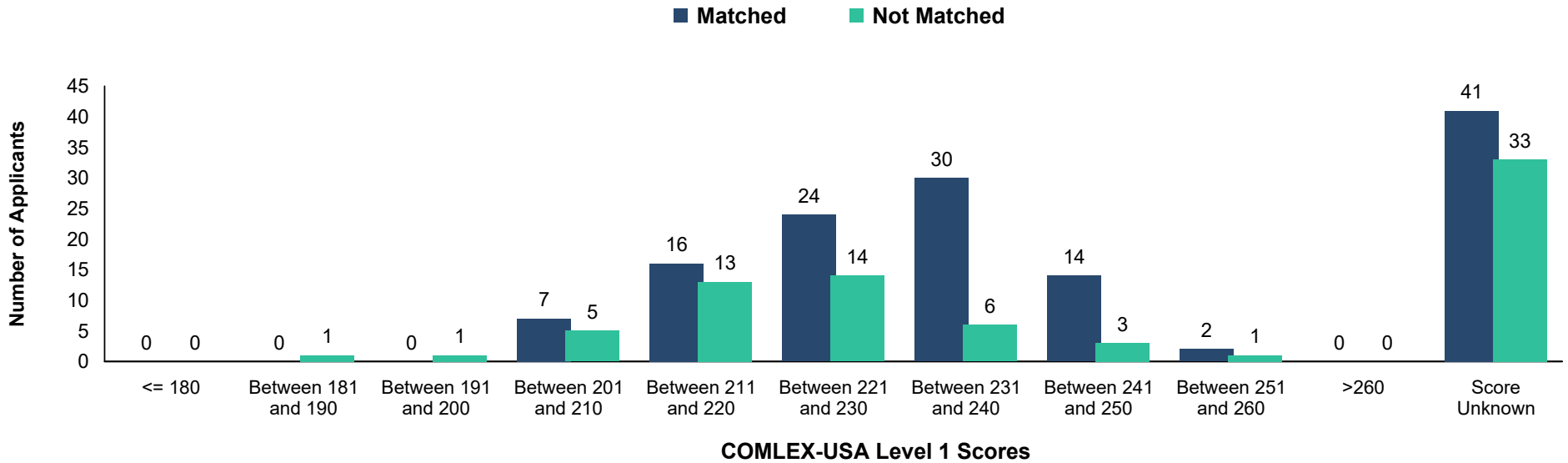


So



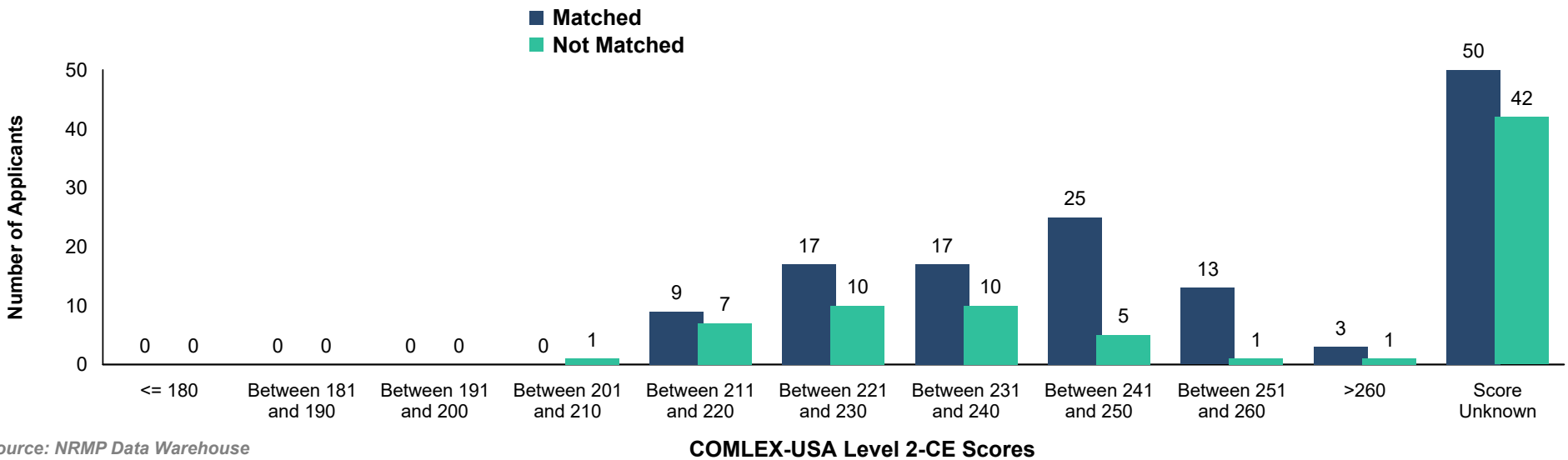
**Chart  
PM-5**

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



**Chart  
PM-6**

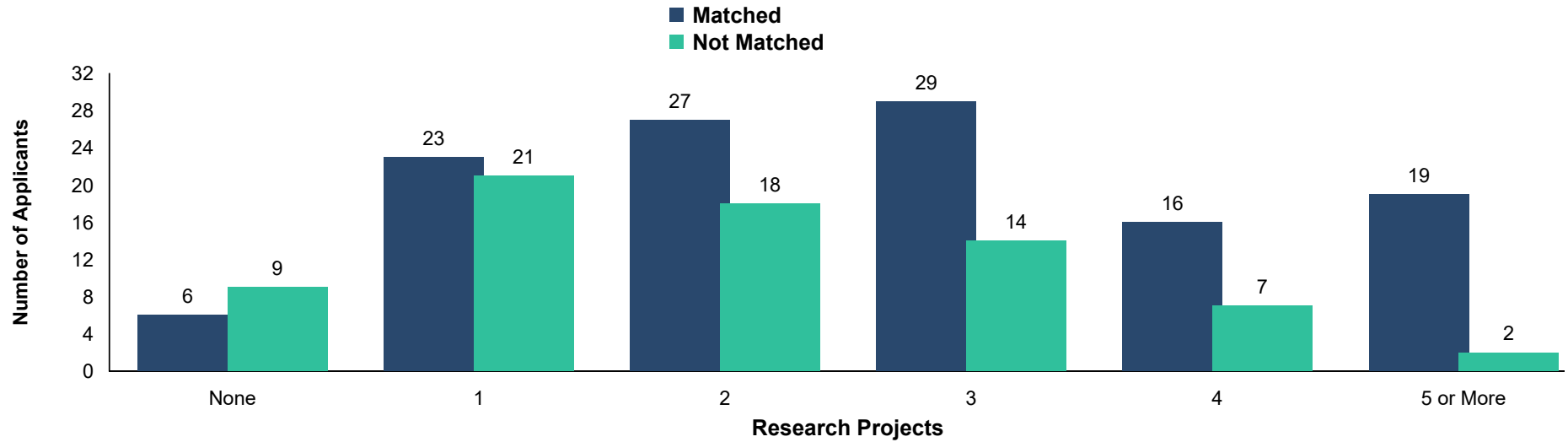
**USMLE Step 2 CK Scores of U.S. DO Seniors**  
*Physical Medicine and Rehabilitation*



Source: NRMP Data Warehouse

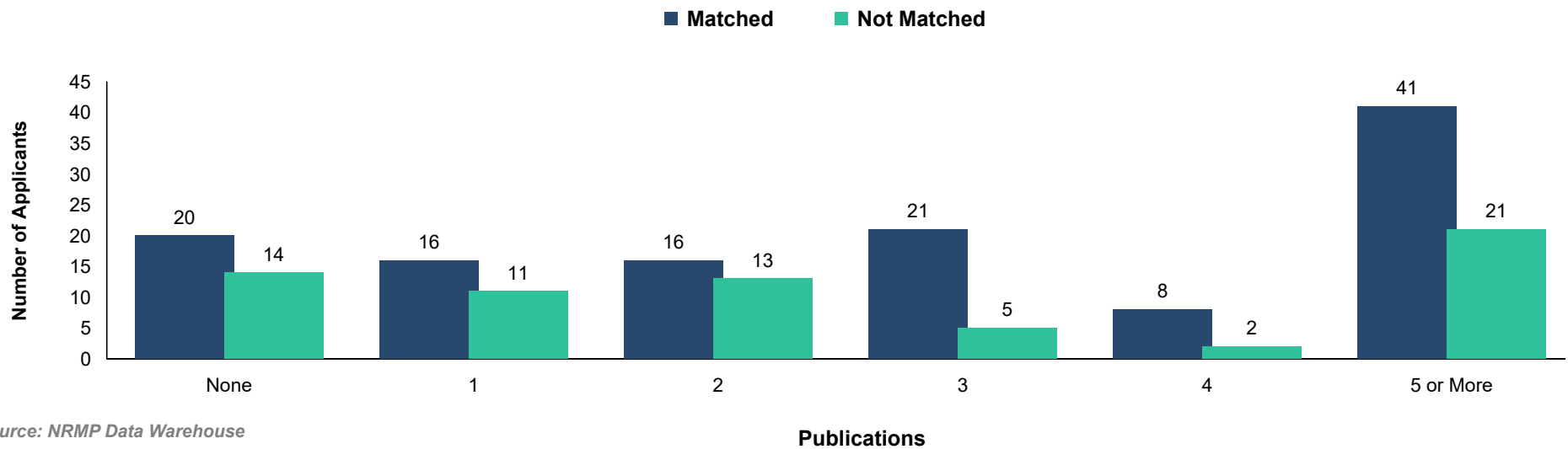
**Chart  
PM-7**

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



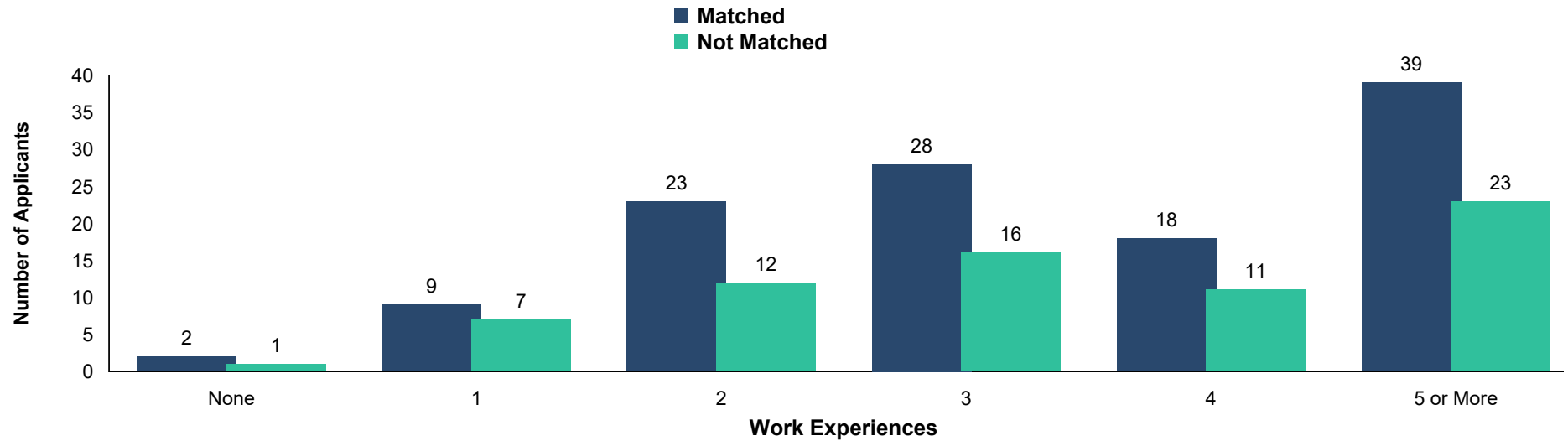
**Chart  
PM-8**

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

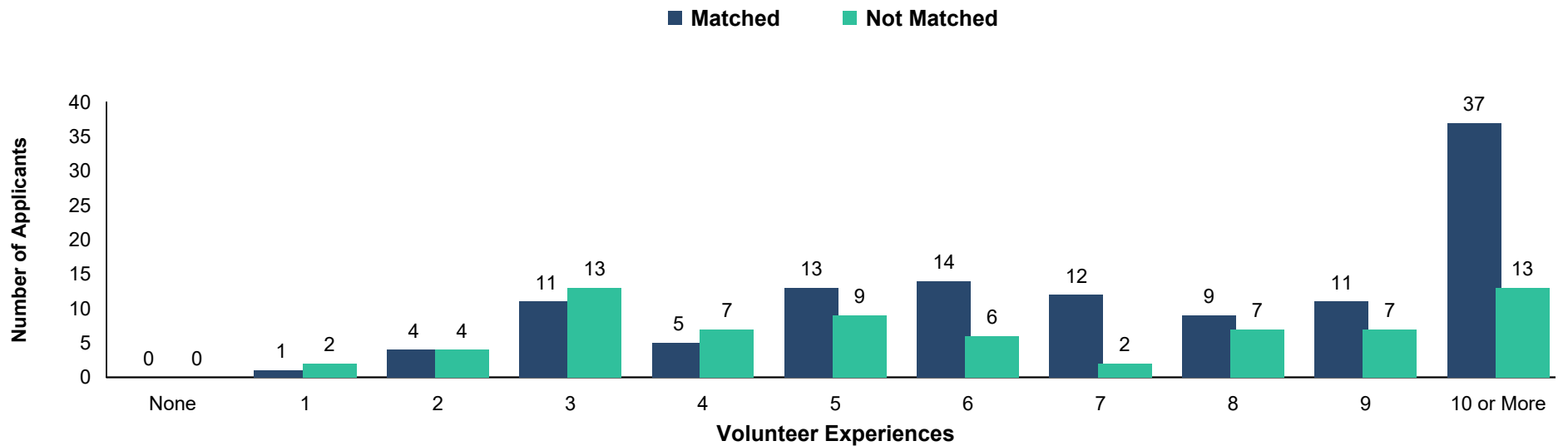


Source: NRMP Data Warehouse

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



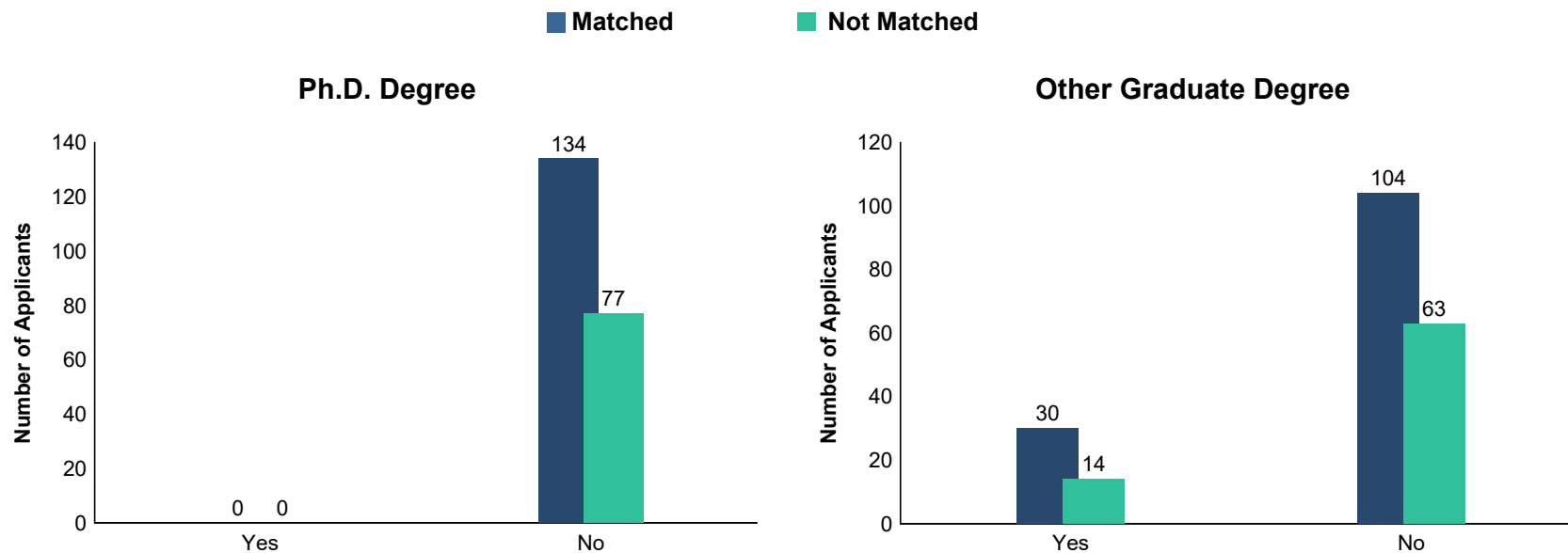
**Chart PM-10** Number of Volunteer Experiences of U.S. DO Seniors  
*Physical Medicine and Rehabilitation*



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*

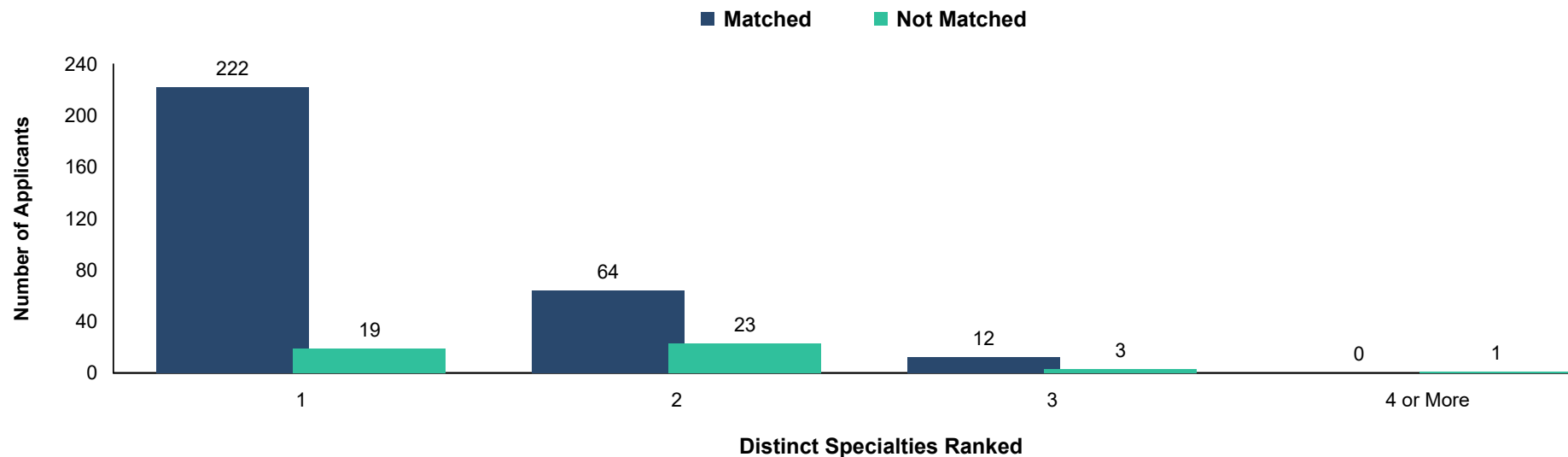
Measure	Matched (n=298)	Unmatched (n=46)
1. Mean number of contiguous ranks	10.3	4.1
2. Mean number of distinct specialties ranked	1.3	1.7
3. Mean COMLEX-USA Level 1 score	513	470
4. Mean COMLEX-USA Level 2-CE score	533	484
5. Mean USMLE Step 1 score	223	212
6. Mean USMLE Step 2 CK score	236	228
7. Mean number of research experiences	2.1	2.4
8. Mean number of abstracts, presentations, and publications	3.0	2.9
9. Mean number of work experiences	3.5	3.7
10. Mean number of volunteer experiences	6.8	6.5
11. Percentage who have a Ph.D. degree	0.0	0.0
12. Percentage who have another graduate degree	20.7	37.2

Source: NRMP Data Warehouse.

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

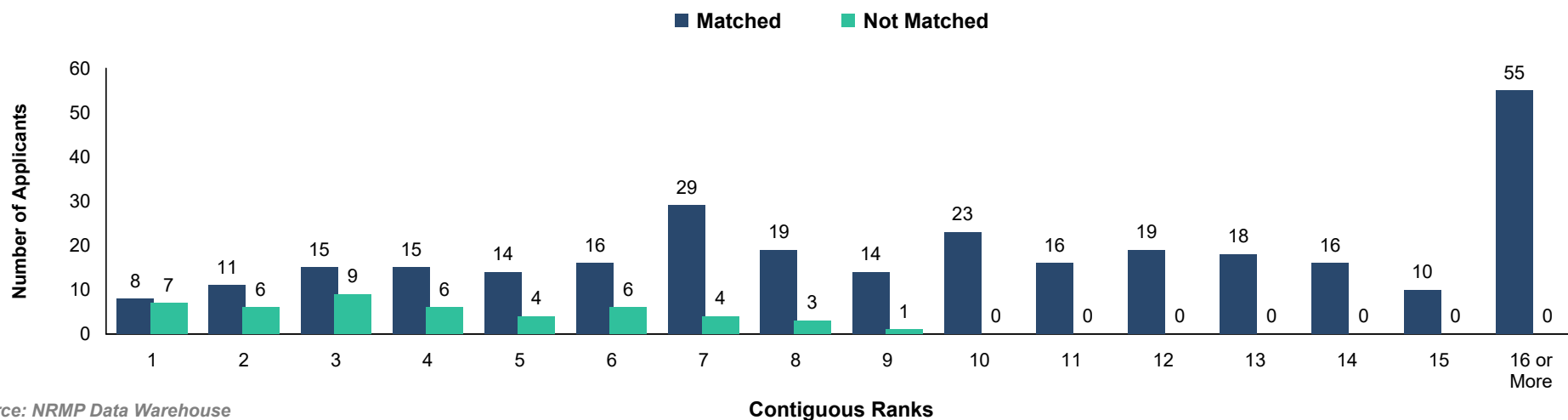
**Chart  
P-1**

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



**Chart  
P-2**

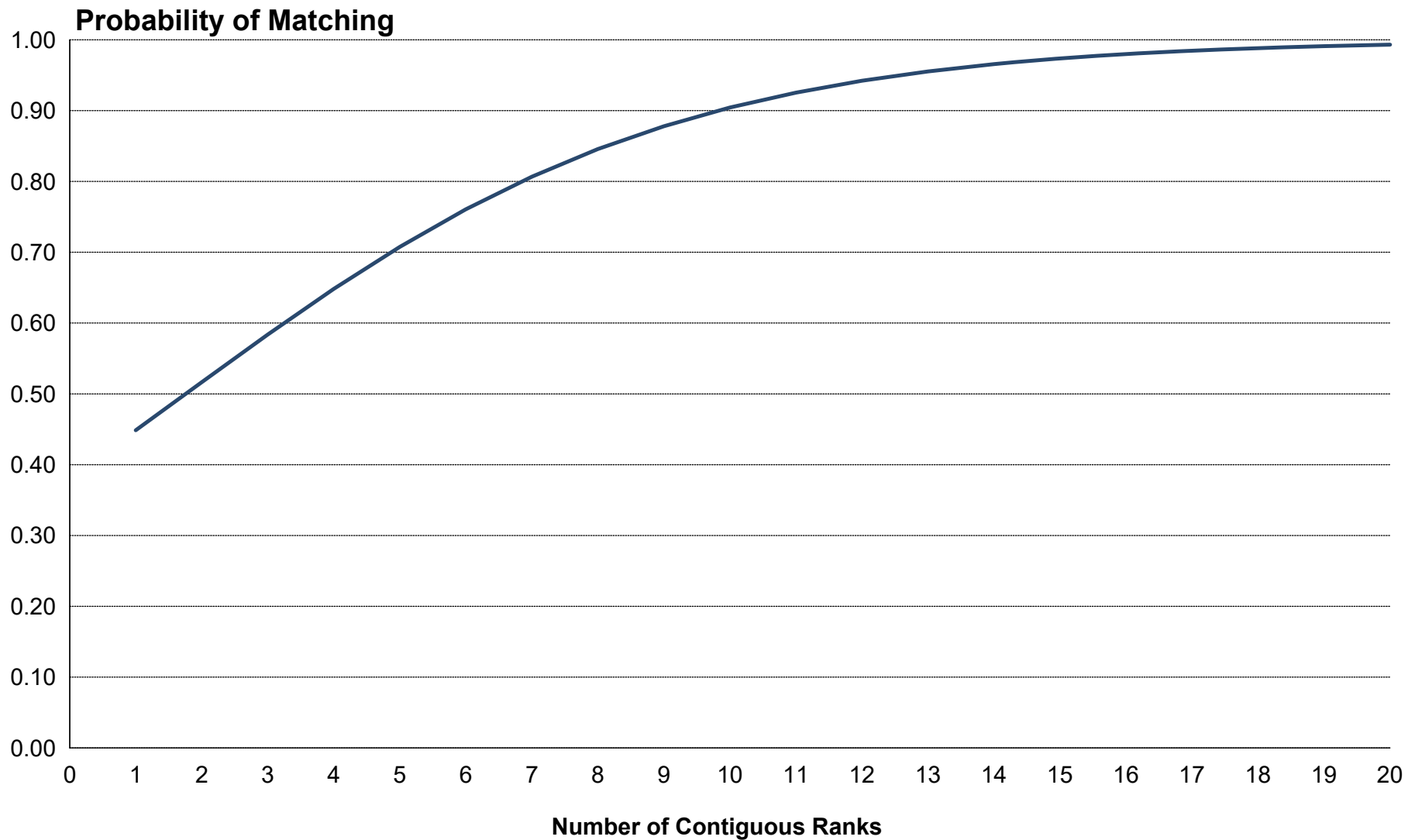
**Number of Contiguous Ranks of U.S. DO Seniors  
Psychiatry**



Source: NRMP Data Warehouse

**Graph  
P-1**

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

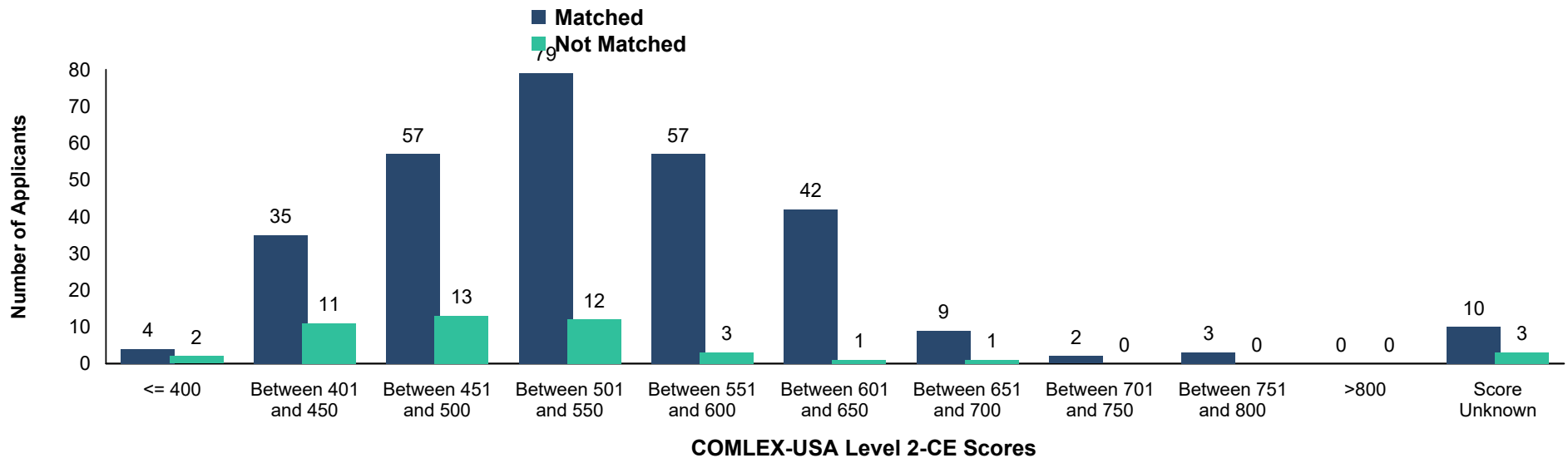
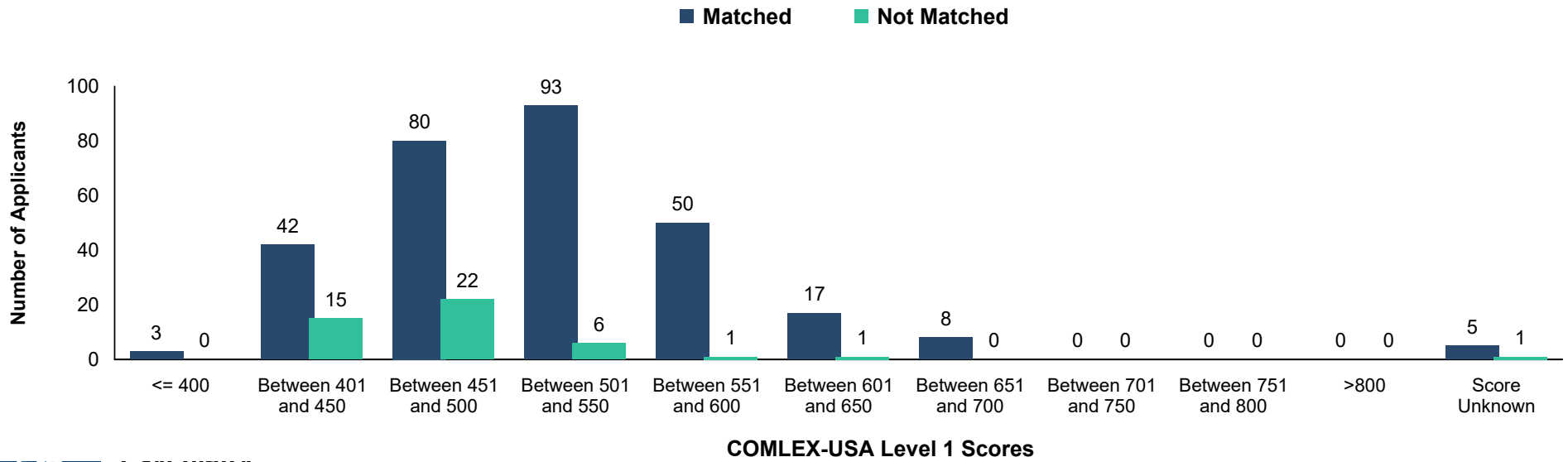


Source: NRMP Data Warehouse. Note: Probabilities calculated based on 2020-2022 applicants.



**Chart  
P-3**

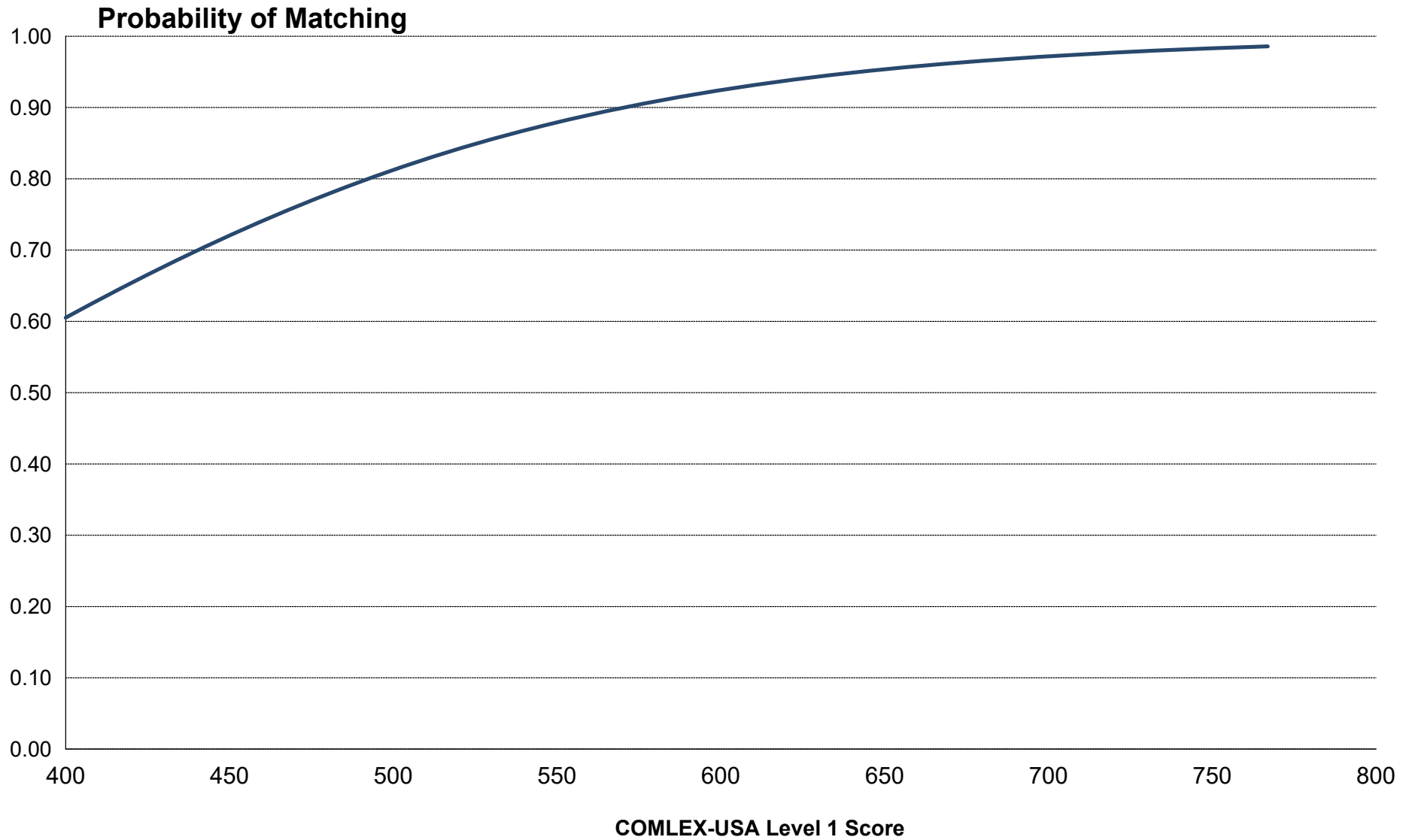
**COMLEX-USA Level 1 Scores of U.S. DO Seniors  
Psychiatry**





**Graph  
P-2**

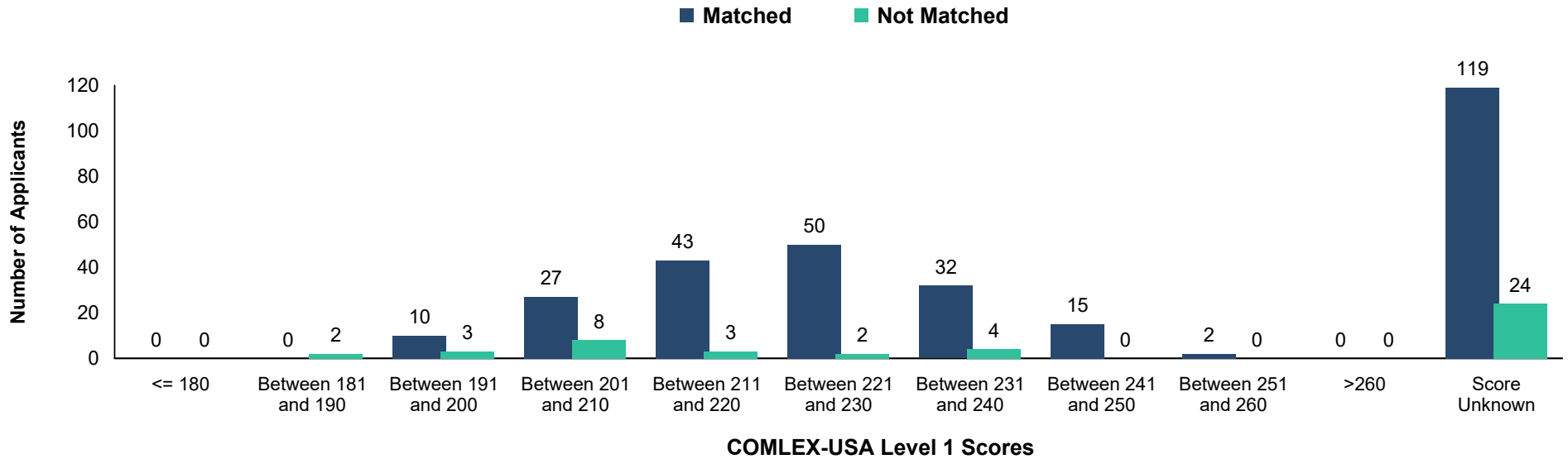
**Probability of U.S. DO Seniors Matching to Preferred Specialty by COMLEX-USA Level 1 Score**  
*Psychiatry*



So

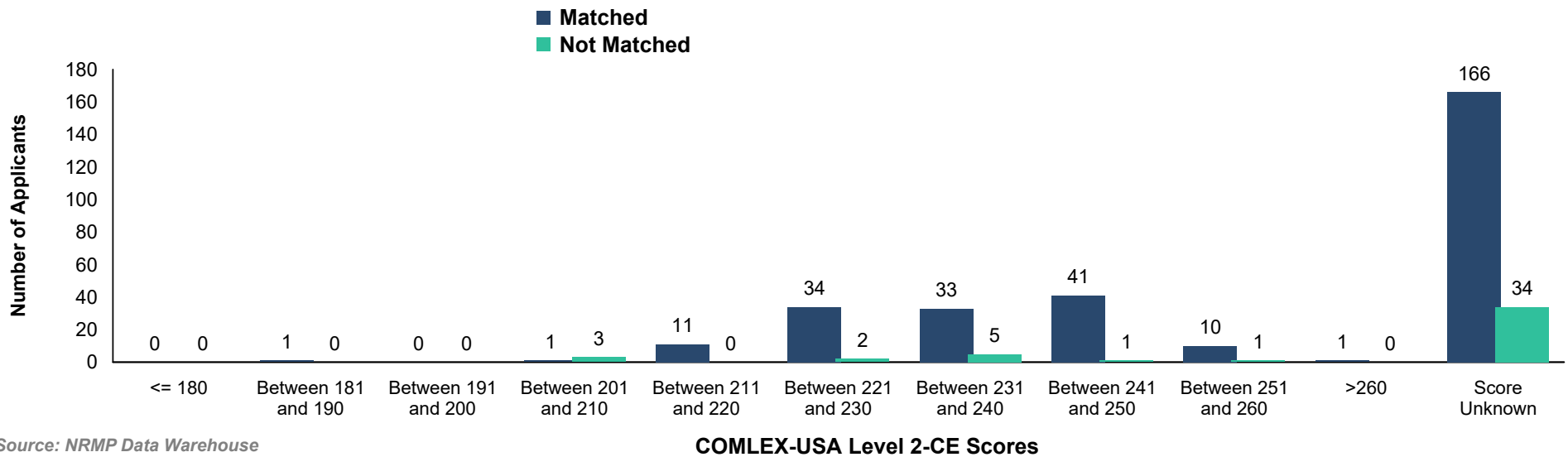
**Chart P-5**

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



**Chart P-6**

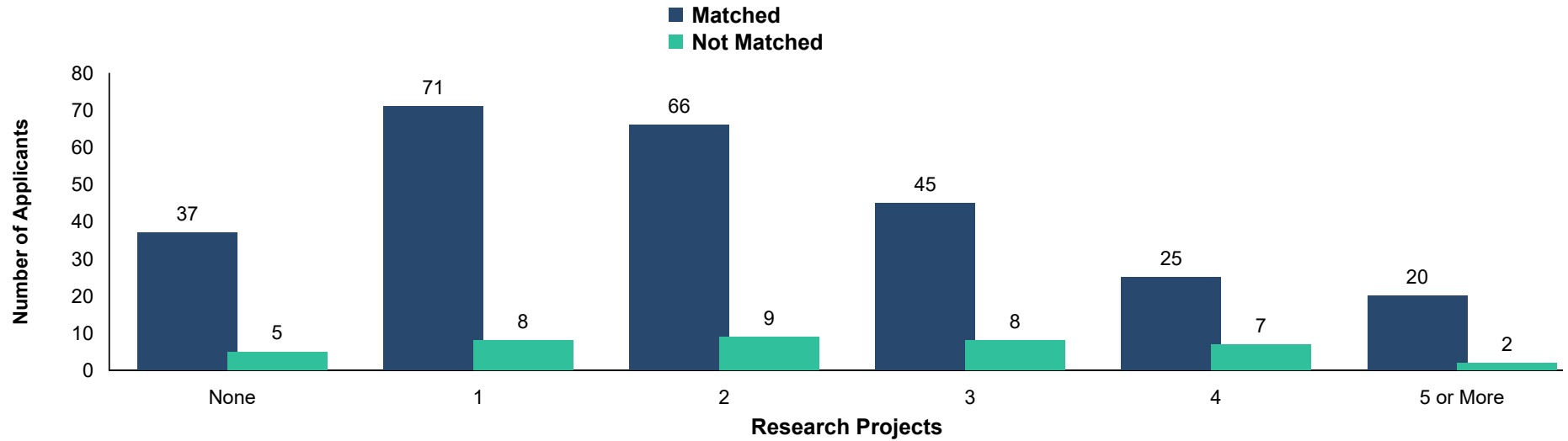
**USMLE Step 2 CK Scores of U.S. DO Seniors  
Psychiatry**



Source: NRMP Data Warehouse

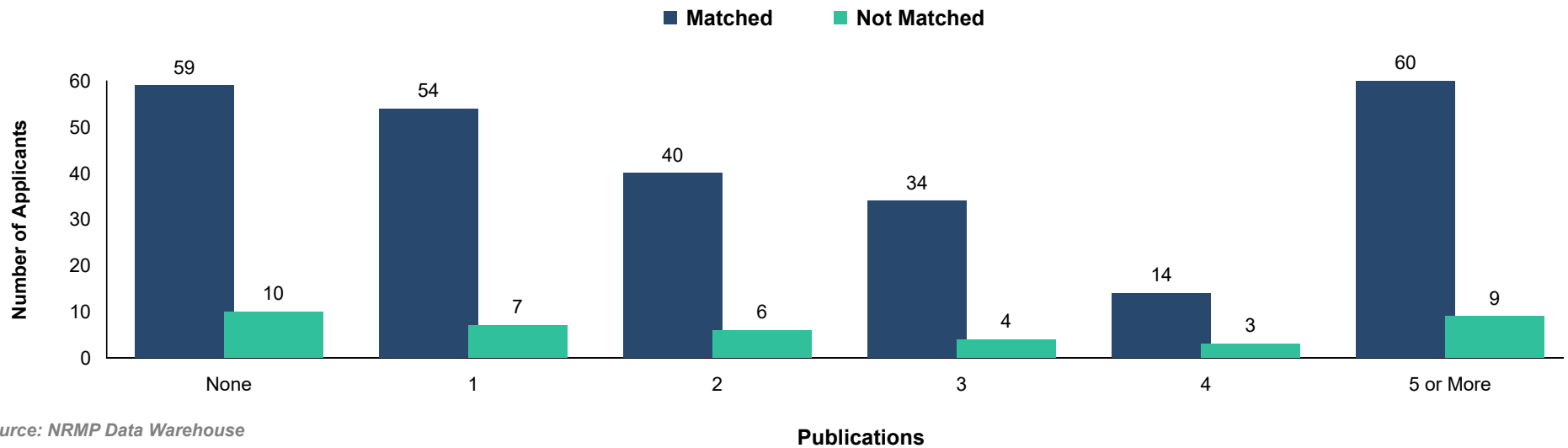
**Chart P-7**

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



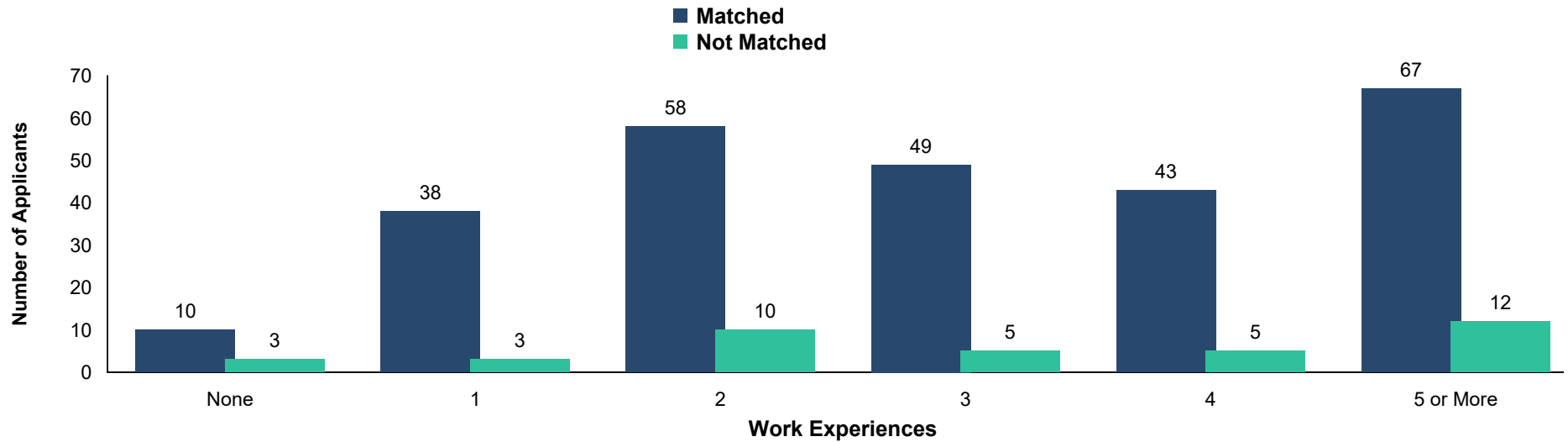
**Chart P-8**

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

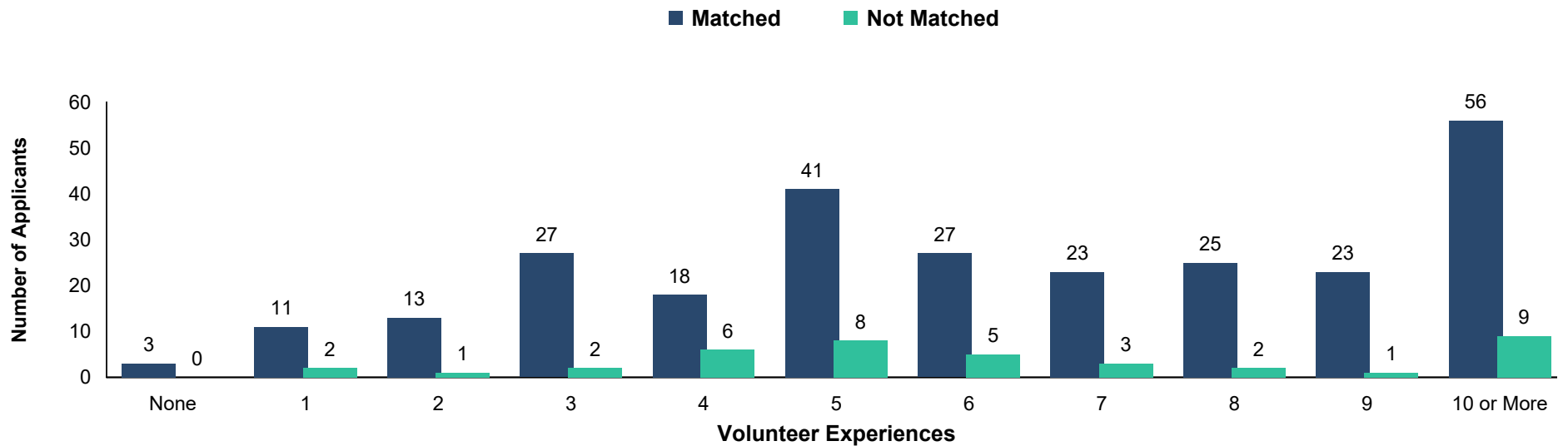


Source: NRMP Data Warehouse

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



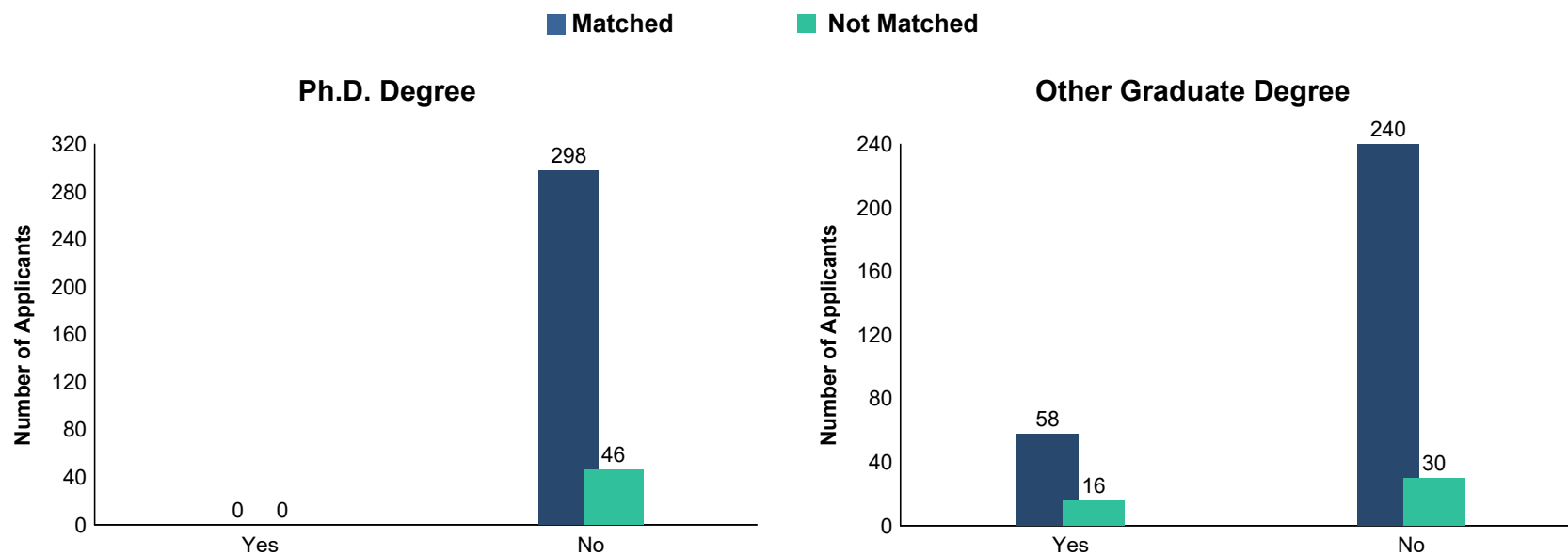
**Chart P-10** Number of Volunteer Experiences of U.S. DO Seniors  
*Psychiatry*



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*

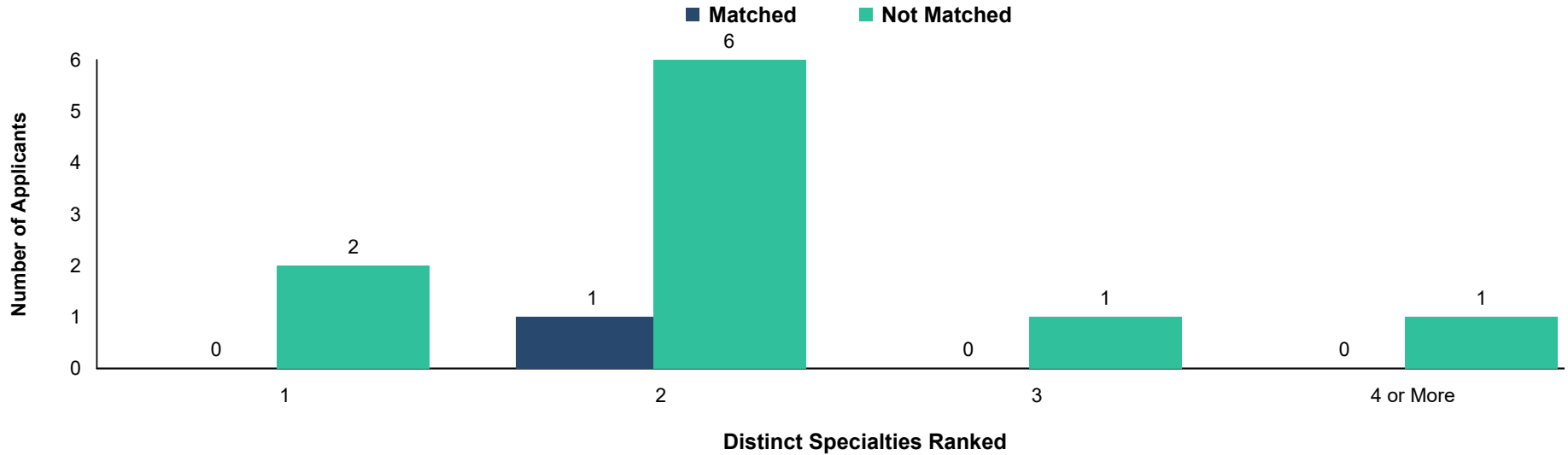
Measure	Matched (n=1)	Unmatched (n=10)
1. Mean number of contiguous ranks	11.0	4.4
2. Mean number of distinct specialties ranked	2.0	2.1
3. Mean COMLEX-USA Level 1 score	573	590
4. Mean COMLEX-USA Level 2-CE score	601	619
5. Mean USMLE Step 1 score	246	231
6. Mean USMLE Step 2 CK score	241	244
7. Mean number of research experiences	5.0	3.4
8. Mean number of abstracts, presentations, and publications	16.0	4.4
9. Mean number of work experiences	1.0	5.4
10. Mean number of volunteer experiences	5.0	7.4
11. Percentage who have a Ph.D. degree	0.0	0.0
12. Percentage who have another graduate degree	0.0	50.0

Source: NRMP Data Warehouse.

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

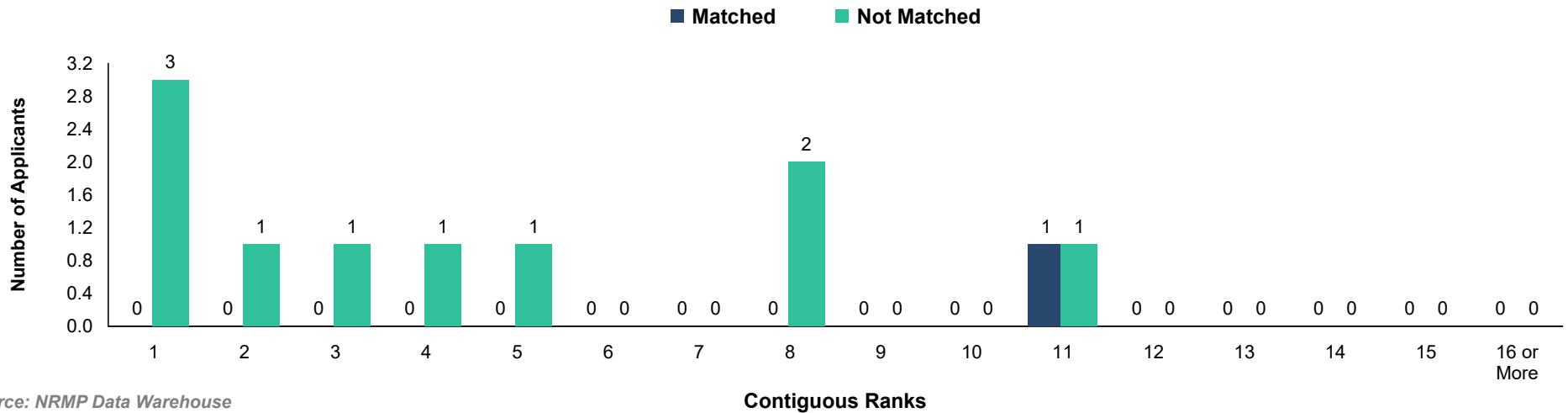
**Chart  
VS-1**

**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*

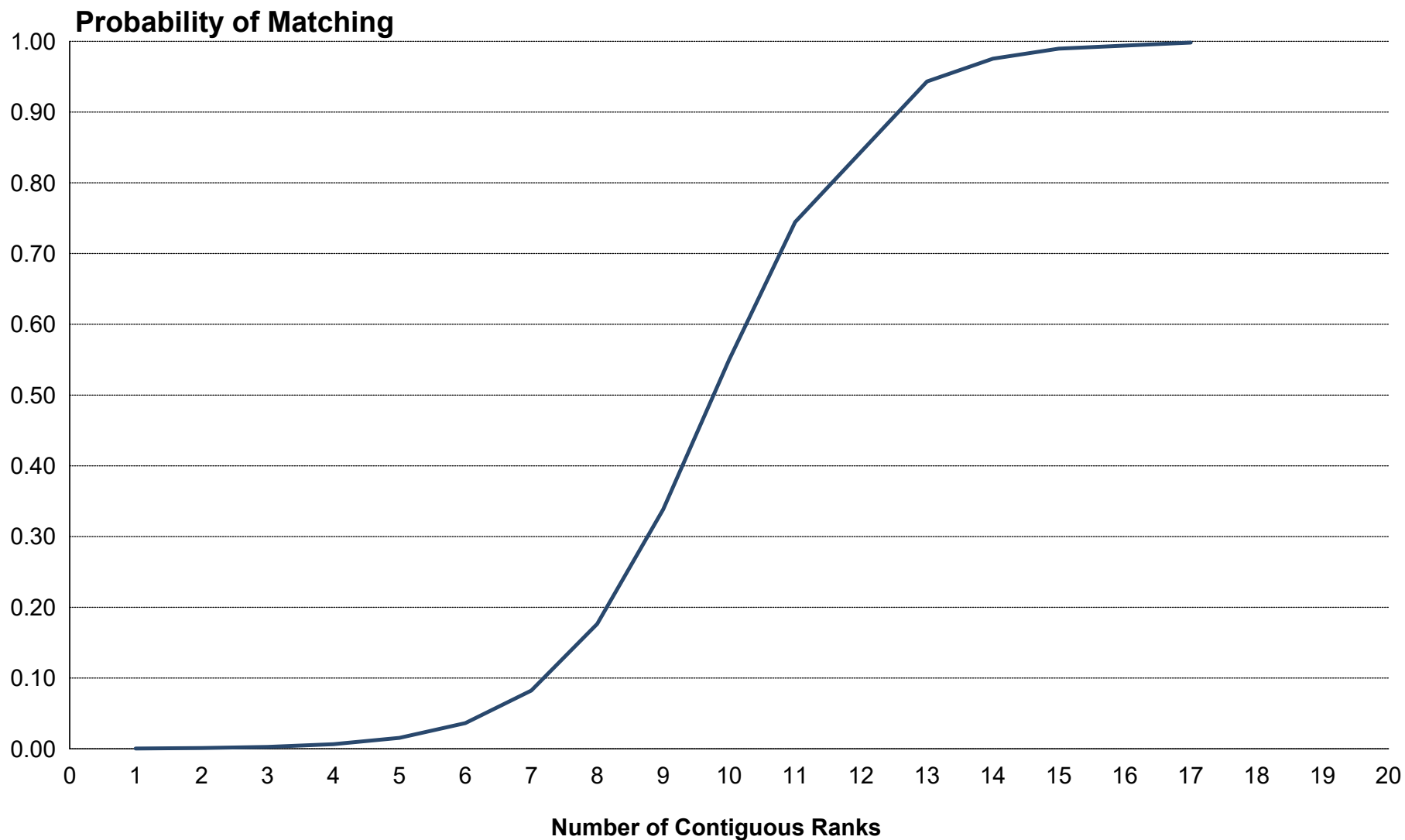


Source: NRMP Data Warehouse

**Graph  
VS-1**

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

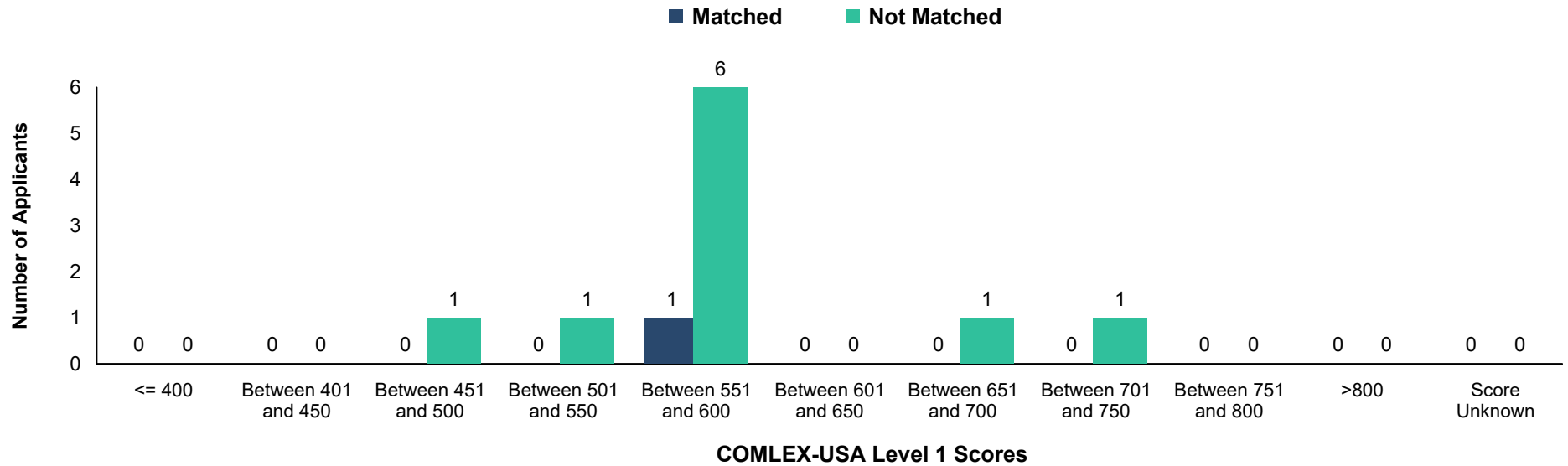
*Vascular Surgery*



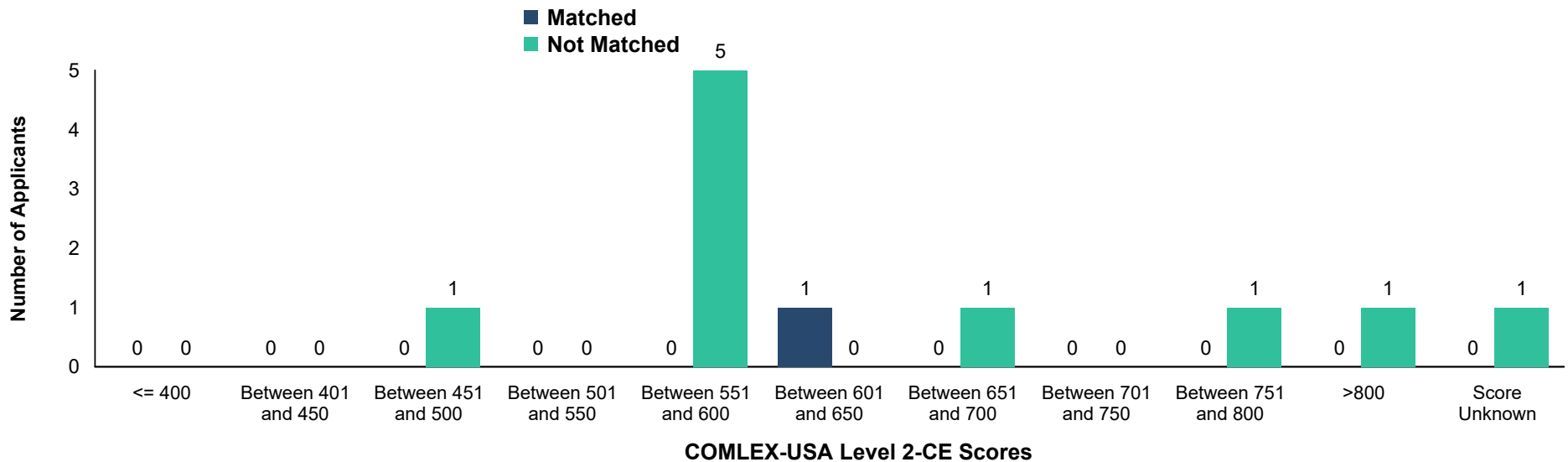
Source: NRMP Data Warehouse. Note: Probabilities calculated based on 2020-2022 applicants.

**Chart  
VS-3**

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



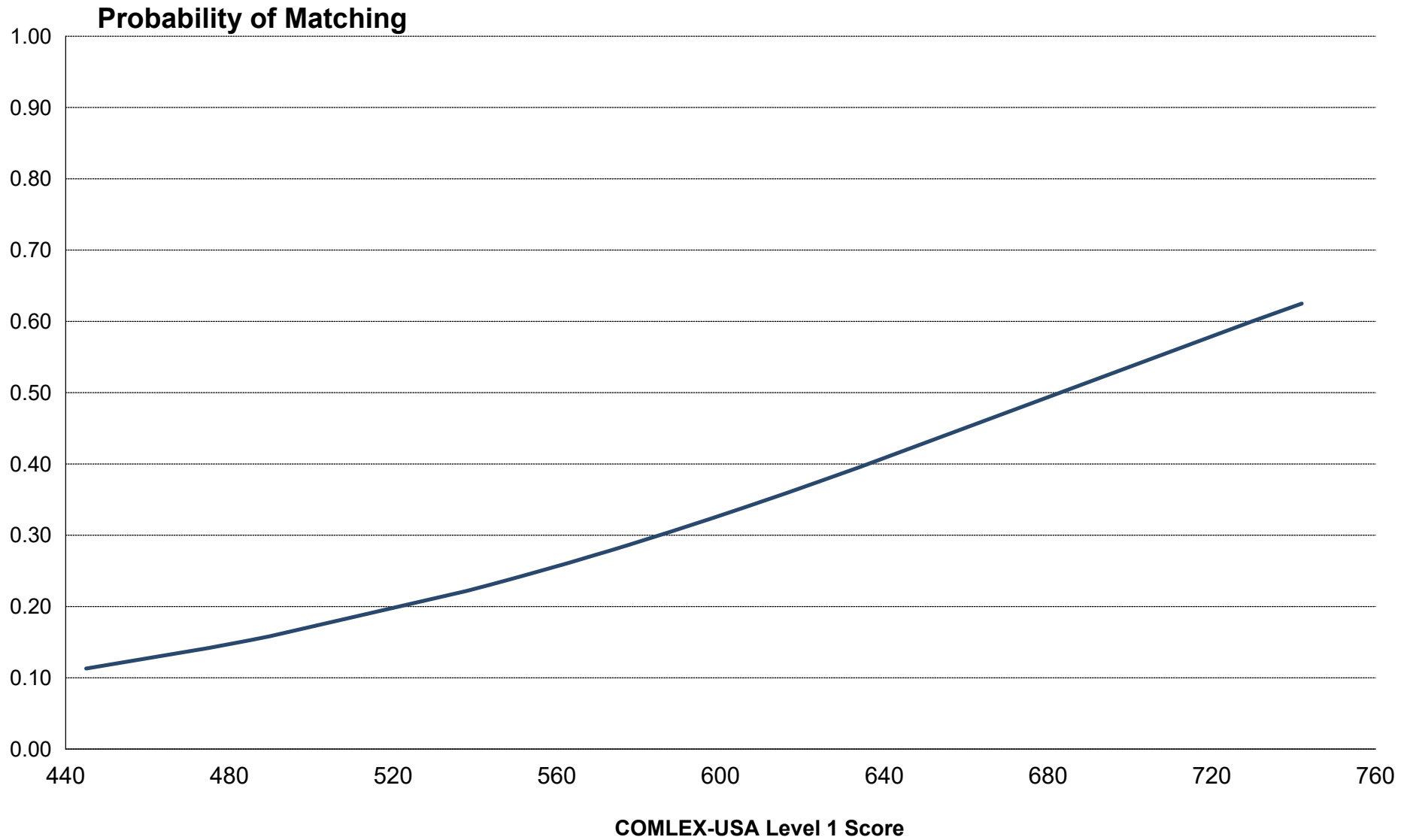
**VS-4 Vascular Surgery**





**Graph  
VS-2**

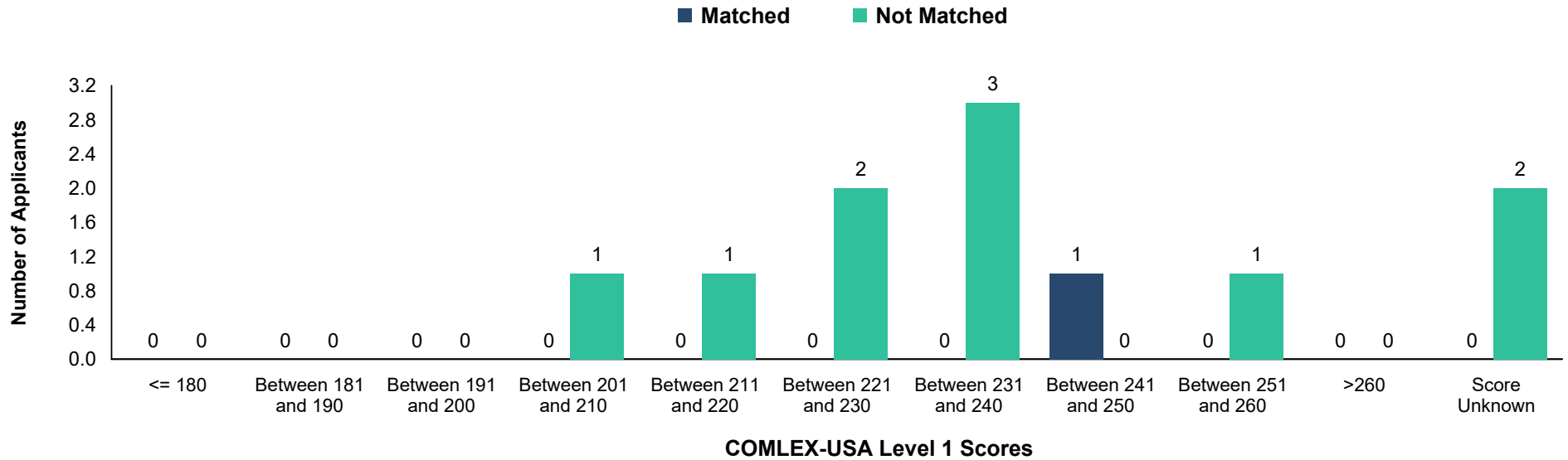
**Probability of U.S. DO Seniors Matching to Preferred Specialty by COMLEX-USA Level 1 Score**  
*Vascular Surgery*



So

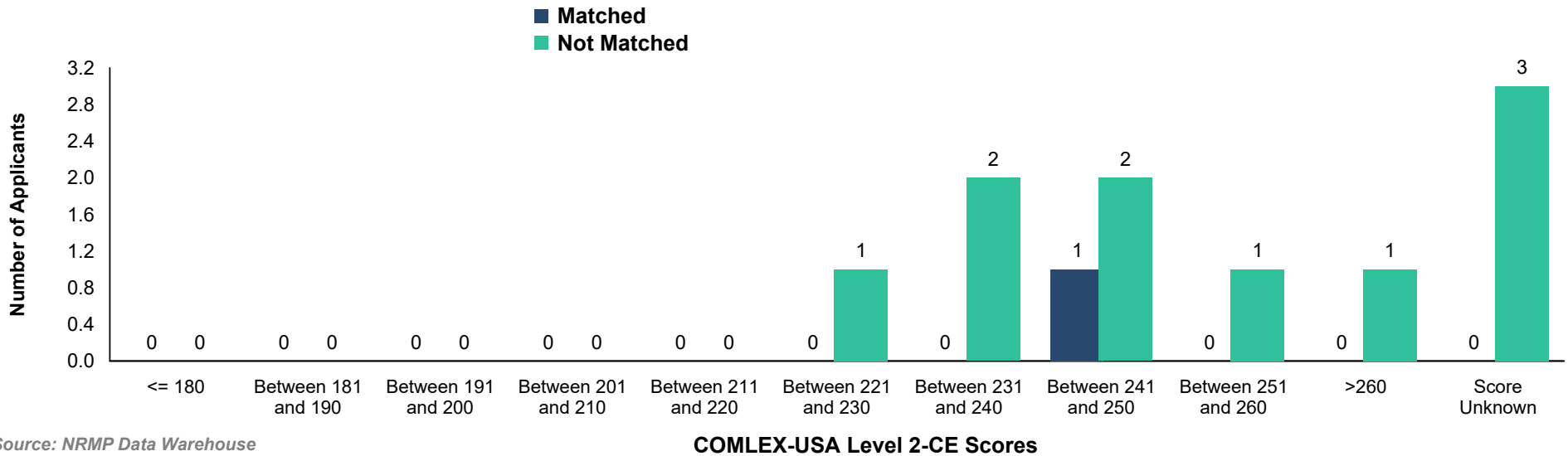
**Chart  
VS-5**

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



**Chart  
VS-6**

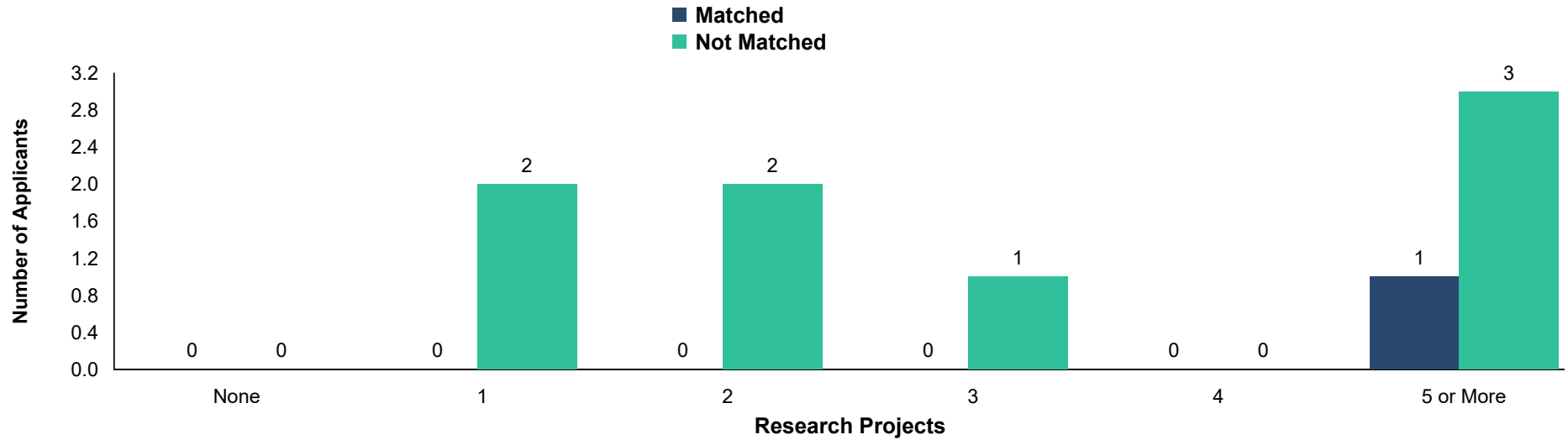
**USMLE Step 2 CK Scores of U.S. DO Seniors  
Vascular Surgery**



Source: NRMP Data Warehouse

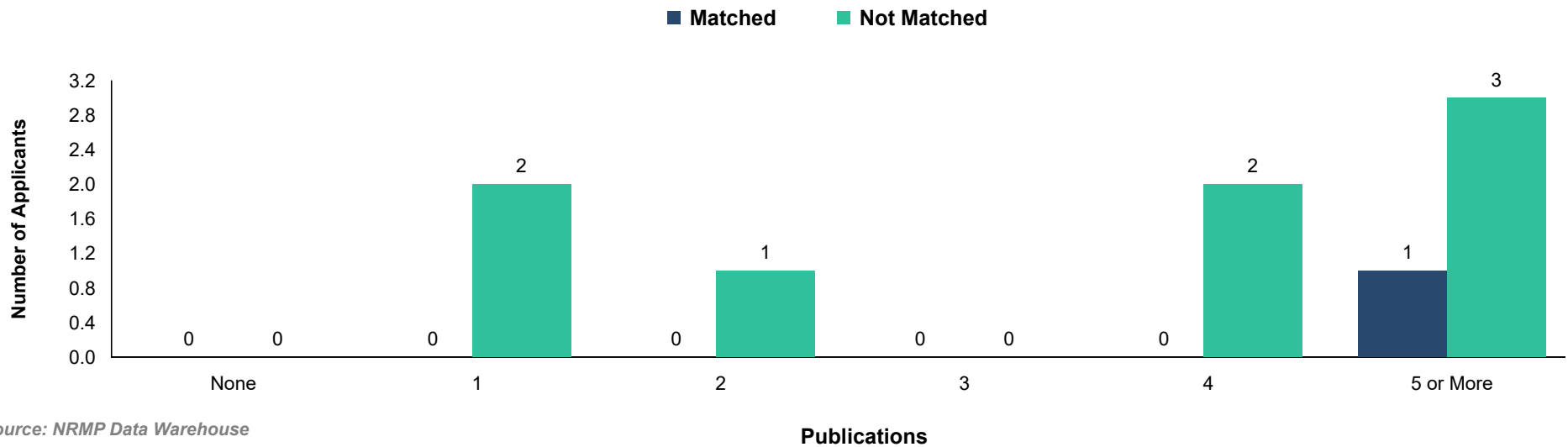
**Chart  
VS-7**

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



**Chart  
VS-8**

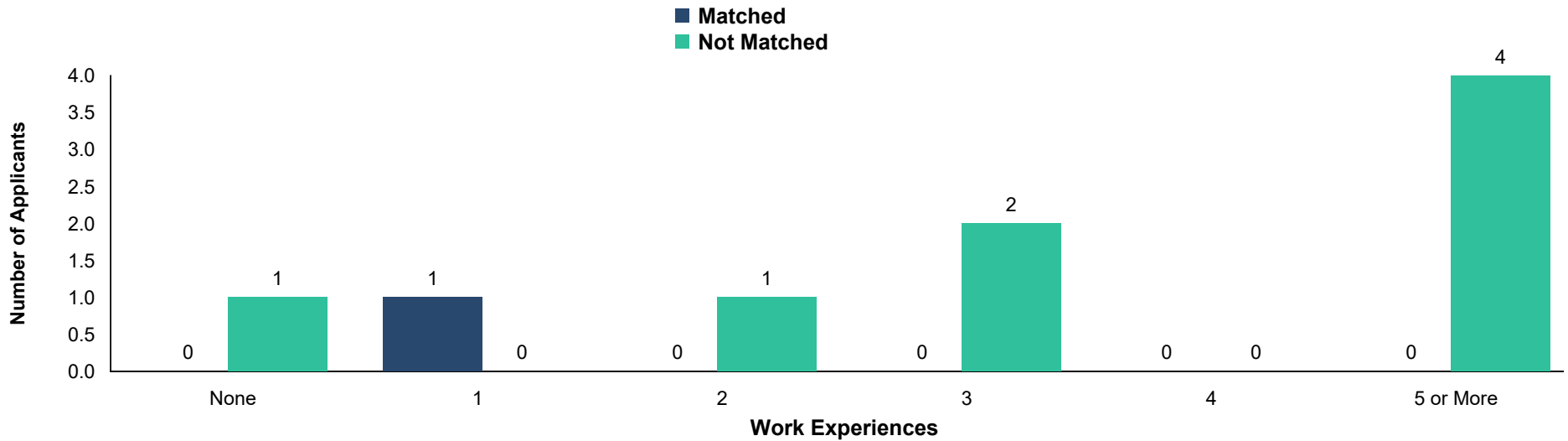
**Number of Abstracts, Presentations, and Publications of U.S. DO Seniors  
*Vascular Surgery***



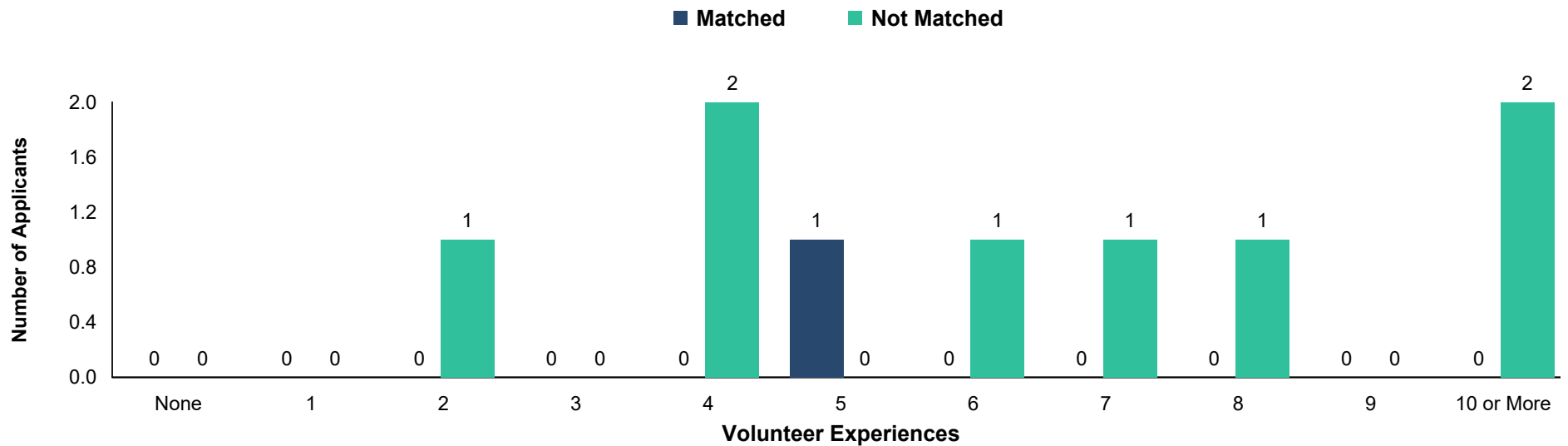
Source: NRMP Data Warehouse



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



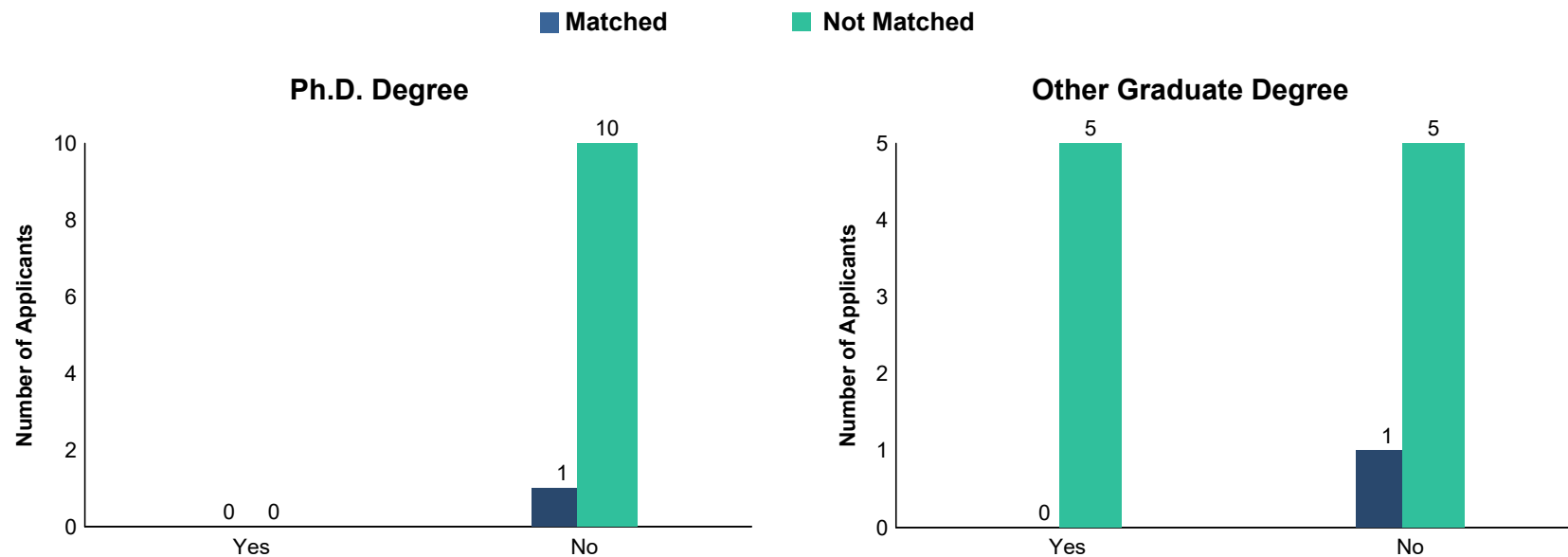
**Chart VS-10** Number of Volunteer Experiences of U.S. DO Seniors  
*Vascular Surgery*



Source: NRMP Data Warehouse

**Chart  
VS-11**

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



Source: NRMP Data Warehouse.