



# **Charting Outcomes in the Match: International Medical Graduates**

**Characteristics of International Medical Graduates Who  
Matched to Their Preferred Specialty in the 2020 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 success in the Main Residency Match®. The report was published biennially between 2007 and 2011 and was a collaboration of the National Resident Matching Program® (NRMP®) and the Association of American Medical Colleges® (AAMC®). Match outcome data from the NRMP were combined with applicant characteristics from the AAMC's Electronic Residency Application Service (ERAS®) and United States Medical Licensing Examination (USMLE®) scores from the AAMC data warehouse. In 2013, NRMP collaborated with the Educational Commission for Foreign Medical Graduates (ECFMG®) to produce the first edition of *Charting Outcomes in the Match for International Medical Graduates* using some variables unique to U.S. citizen and non-U.S. citizen students and graduates of international medical schools (IMGs). Starting with the 2014 Main Residency Match, the NRMP added a Professional Profile 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.

With the exception of the 2013 report, all versions of *Charting Outcomes in the Match* published prior to 2016 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 and non-U.S. citizen students/graduates of international medical schools. In 2018, reports were further refined to highlight senior students of U.S. DO medical schools separately and eliminating reporting on U.S. DO medical school graduates because their numbers are so small. This report is the third edition of the *Charting Outcomes in the Match* for International Medical Graduates.

## Definition of International Medical Graduate (IMG)

An international medical graduate (IMG) is a physician who received a basic medical degree or qualification from a medical school located outside the United States and Canada. The location of the medical school, not the citizenship of the physician, determines whether the graduate is an IMG. Thus, individuals who are U.S. citizens when they graduate from an international medical school are U.S. IMGs, and individuals who are not U.S. citizens at the time of medical school graduation are non-U.S. IMGs even if they later become U.S. citizens. Non-U.S. citizens who graduate from medical schools in the United States and Canada are not IMGs.

## Data

Match success, specialty preference, and ranking information were collected through the Main Residency Match. Other applicant characteristics, including USMLE Step 1 and Step 2 Clinical Knowledge (CK) scores, academic degrees, publications, research, and work and volunteer experiences, were self-reported through the Professional Profile 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 using the self-reported Professional Profile section was granted exemption by the Chesapeake (now Advarra) Institutional Review Board (IRB).

A total of 12,074 IMG applicants (5,167 U.S. IMGs and 6,907 non-U.S. IMGs) submitted certified rank order lists in the 2020 Main Residency Match. After excluding the 13.3 percent of U.S. IMGs and 9.5 percent of non-U.S. IMGs who did not give consent to participate in NRMP research, 10,735 IMG applicants (4,481 U.S. IMGs and 6,254 non-U.S. IMGs) were included in the final dataset. Missing data were found in Step 1 scores (7.6% missing for U.S. IMGs and 4.8% for non-U.S. IMGs), Step 2 CK scores (8.3% and 5.1%), number of research experiences (17.4% and 16.0%), number of abstracts, presentations, and publications (18.5% and 15.9%), number of work experiences (14.3% and 11.2%), number of volunteer experiences (15.3% and 13.5%), Ph.D. degree (8.5% and 6.5%), and other graduate degree (8.4% and 6.4%).

## Methods

Specialties that offered 50 or more positions and had at least 7 matched or unmatched applicants of either applicant type preferring the specialty in the 2020 Main Residency Match are included in this report. Although Otolaryngology offered more than 50 positions, they are excluded from the specialty-specific analyses in this report because very few IMGs preferred those specialties. Likewise, specialty-specific analyses of Dermatology, Radiation Oncology, and Vascular Surgery are excluded for U.S. IMGs because of the small numbers. Transitional Year programs are excluded because they are not viewed as a preferred specialty choice.

Ten measures are incorporated in this report: number of contiguous ranks in the preferred specialty, number of specialties ranked, 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. In addition, the probability of matching to a preferred specialty is calculated based on USMLE Step 1 scores and contiguous ranks. Probability analyses were performed using a simple logistic regression model on IMGs who participated in the Match in 2018, 2019, and 2020. The 2013 *Charting Outcomes in the Match for International Medical Graduates* incorporated characteristics provided by ECFMG that are not included in this report: attempts at USMLE, number of months after ECFMG certification, number of years since graduation, and English spoken as a native language.

*It is important to note that for purposes of this report, Match success is defined as a match to the specialty of the applicant's first-ranked program, or "preferred specialty," because that is assumed to be the specialty of choice. Lack of success includes matching to another specialty as well as failure to match at all. No distinction was made based on whether applicants matched to the first, second, third, or lower choice program.*

### Summary

Some general observations apply to all specialties in this report. IMGs who are successful in matching to their preferred specialty are more likely to:

- Rank more programs within their preferred specialty
- Have higher USMLE Step 1 and Step 2 CK scores
- Be U.S. citizens

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

Despite the fairly strong relationship between USMLE Step scores and Match success, the distributions of scores show that program directors consider other qualifications. A high score is not a guarantee of success, and a low score is not a bar to success. Even in the most competitive specialties a few individuals with high scores are not successful. In the less competitive specialties, IMGs with scores slightly above passing also were able to match to their preferred specialties.

The data in this report support the following straightforward advice one should give to an applicant:

- Rank all of the programs you really want, without regard to your estimate of your chances with those programs.
- Include a mix of both highly competitive and less competitive programs within your preferred specialty.
- Include all of the programs on your list where the program has expressed an interest in you and where you would accept a position.
- If you are applying to a competitive specialty and you want to have a residency position in the event you are unsuccessful in matching to a program in your preferred specialty, also rank your most preferred programs in an alternate specialty.
- Include all of your qualifications in your application, but know that you do not have to have the highest USMLE scores, have publications, or have participated in research projects to match successfully.

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

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## Tables and Charts for All Specialties

**Chart  
1**

**Active Applicants in the 2020 Main Residency Match  
by Applicant Type**

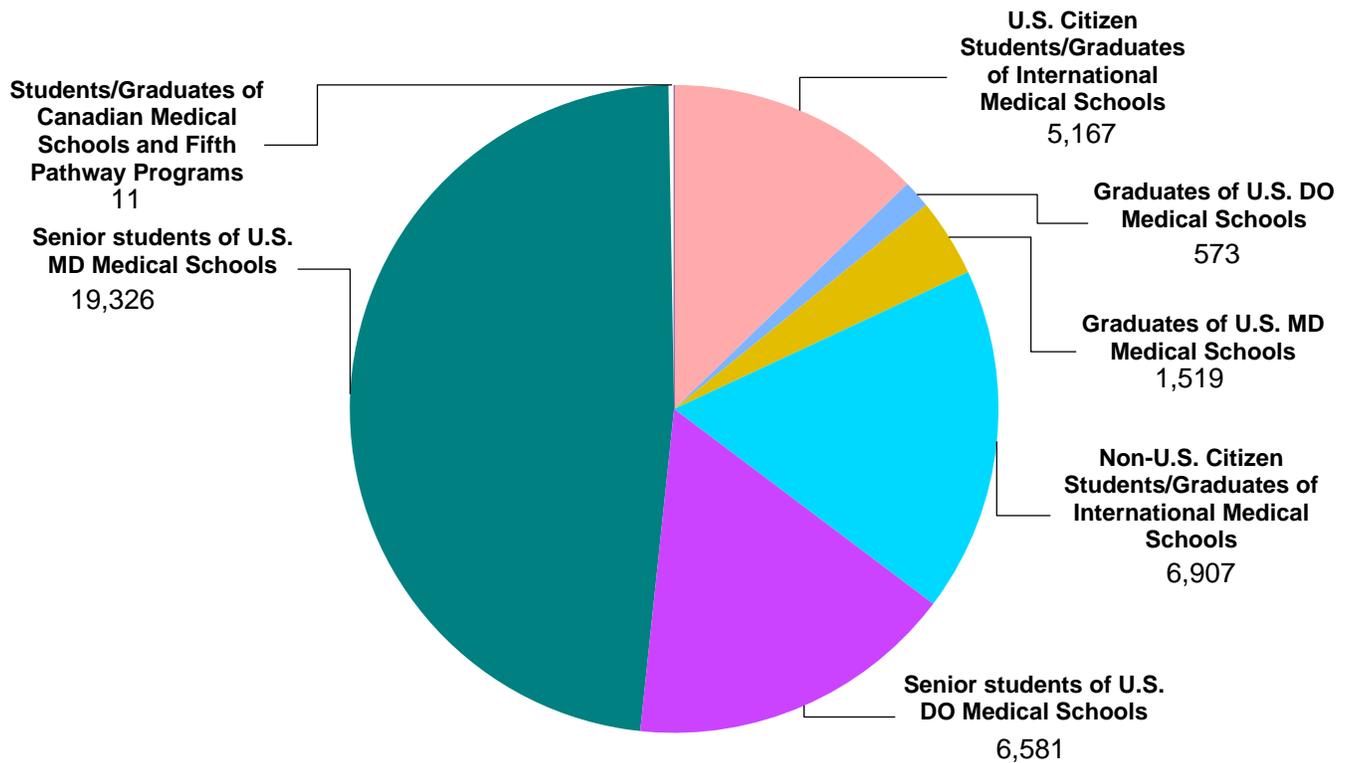


Chart 1 shows the number of active applicants (applicants who submitted rank order lists of programs) by applicant type in the 2020 Main Residency Match. A total of 40,084 active applicants participated in the 2020 Main Residency Match. Non-U.S. citizen students and graduates of international medical schools constituted 17.2 percent of all applicants in the Match, the second largest group after U.S. MD medical school seniors. U.S. citizen student/graduates of international medical schools accounted for 12.9 percent of the applicant pool. The number of Fifth Pathway and Canadian graduates (n=11) is small.

**Table  
1**

**Number of Applicants and Positions in the 2020 Main Residency Match  
by Preferred Specialty\***

Preferred Specialty	Total Positions Offered	Total Number of All Applicants	Number of All Applicants Per Position	U.S. IMGs			Non-U.S. IMGs		
				Matched	Not Matched	Total	Matched	Not Matched	Total
Anesthesiology	1,884	2,339	1.24	99	83	182	102	99	201
Child Neurology	193	193	1.00	6	8	14	17	13	30
Dermatology	538	692	1.29	Data not shown			16	17	33
Diagnostic Radiology	1,146	1,232	1.08	56	26	82	98	57	155
Emergency Medicine	2,665	3,115	1.17	151	119	270	28	37	65
Family Medicine	4,662	4,913	1.05	638	488	1,126	328	295	623
General Surgery	1,536	2,183	1.42	92	129	221	69	161	230
Internal Medicine	9,127	10,996	1.20	1,051	826	1,877	2,107	1,484	3,591
Internal Medicine/Pediatrics	390	445	1.14	14	7	21	6	27	33
Interventional Radiology	156	199	1.28	5	7	12	3	9	12
Neurological Surgery	232	383	1.65	6	7	13	12	36	48
Neurology	946	1,068	1.13	75	55	130	212	101	313
Obstetrics and Gynecology	1,443	1,873	1.30	57	74	131	32	78	110
Orthopaedic Surgery	849	1,177	1.39	5	19	24	7	15	22
Pathology	603	748	1.24	53	64	117	211	98	309
Pediatrics	2,956	3,102	1.05	219	87	306	335	155	490
Physical Medicine and Rehabilitation	480	591	1.23	20	35	55	10	14	24
Plastic Surgery	180	282	1.57	3	7	10	6	14	20
Psychiatry	1,858	2,486	1.34	155	233	388	123	184	307
Radiation Oncology	192	169	0.88	Data not shown			16	8	24
Vascular Surgery	75	122	1.63	Data not shown			4	19	23

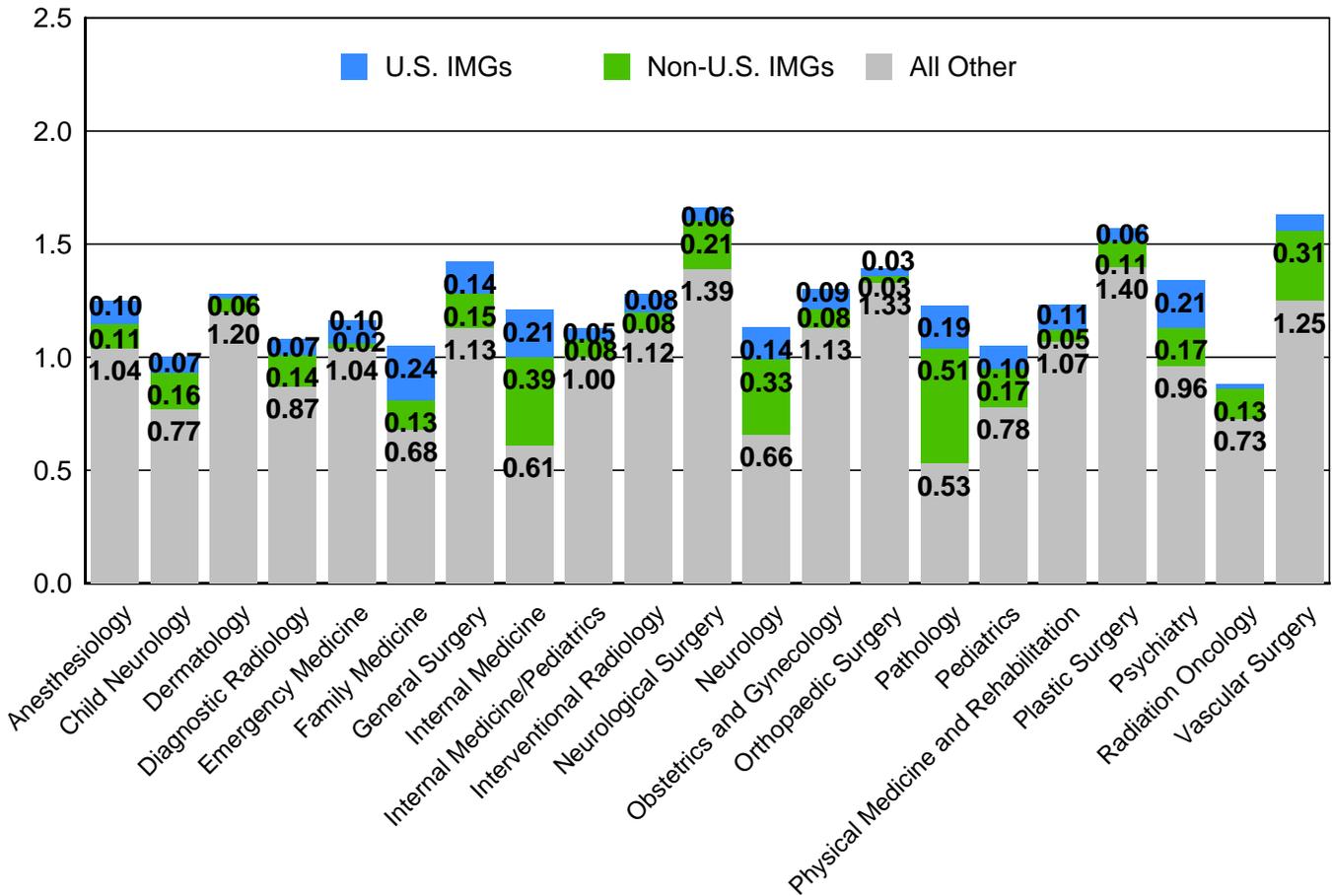
\* Preferred specialty is the specialty ranked first on an applicant's rank order list, excluding preliminary programs in specialties.  
Source: NRMP Data Warehouse.

Table 1 provides a summary of the numbers of applicants and positions for selected specialties. For example, a total of 2,339 applicants preferred Anesthesiology (or ranked an Anesthesiology program first), among whom 182 were U.S. IMGs (99 matched and 83 not matched to Anesthesiology) and 201 were non-U.S. IMGs (102 matched and 99 not matched to Anesthesiology). For each of the 1,884 Anesthesiology positions there were 1.24 applicants who preferred the specialty.

Only those specialties that offered 50 or more positions and had at least 7 matched or unmatched IMG applicants are included in this report. Very few U.S. IMGs preferred Dermatology, Radiation Oncology, or Vascular Surgery. As a result, only the non-U.S. IMG data are displayed in most charts throughout this report for those specialties. For specialties offering both PGY-1 and PGY-2 positions (including Physician (R) positions), all position types have been combined.

**Chart  
2**

**Ratio of International Medical Graduates Ranking Specialty First / Available Positions  
by Preferred Specialty**

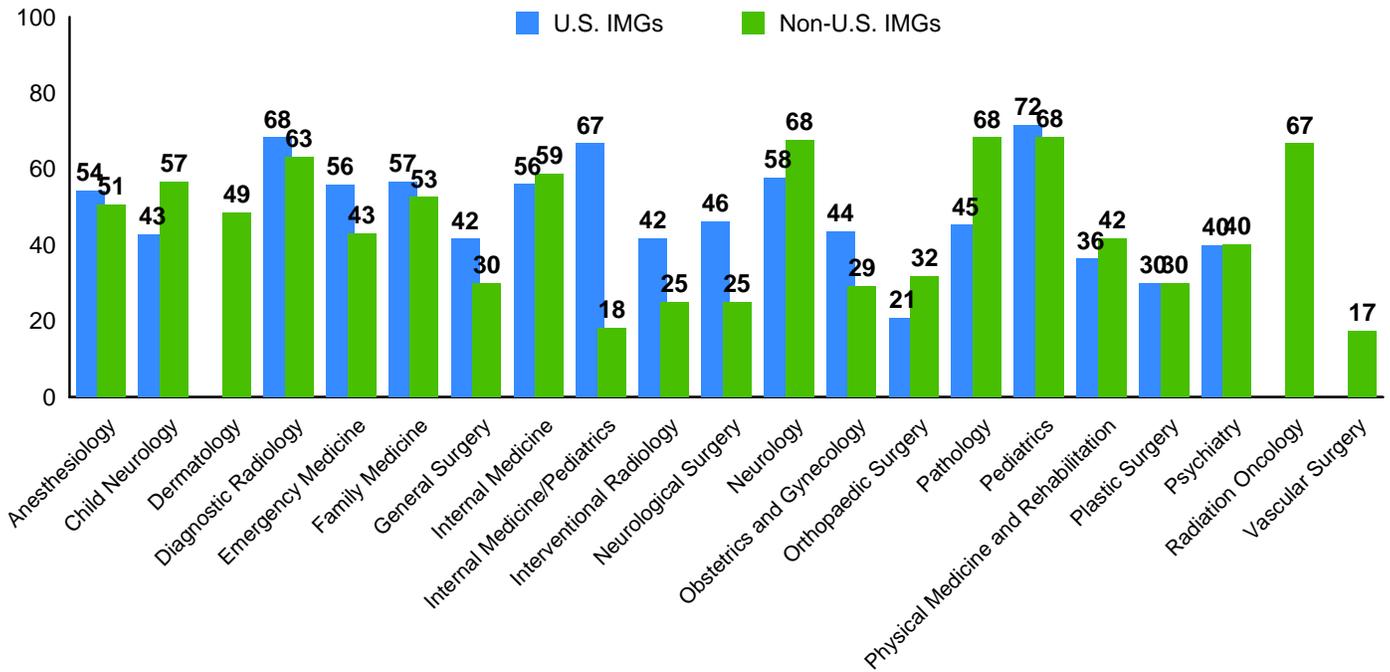


Source: NRMP Data Warehouse

Chart 2 shows the ratios of U.S. IMGs, non-U.S. IMGs, and all other applicants to available positions in each specialty. For all specialties displayed in the chart except Radiation Oncology, the number of applicants preferring each specialty was equal to or more than the number of available positions. For all applicants, Neurological Surgery had the highest ratio of applicants per position; however, the highest ratio for U.S. IMGs was in Family Medicine and for non-U.S. IMGs it was in Pathology.

**Chart  
3**

**Match Rates of International Medical Graduates**  
*Percent Matched by Preferred Specialty and IMG Applicant Type*



Source: NRMP Data Warehouse

Chart 3 shows the percentages of U.S. IMGs and non-U.S. IMGs who matched to their preferred specialty. Overall, 54.3 percent of U.S. IMGs matched to their preferred specialty, ranging from a high of 71.6 percent in Pediatrics to a low of 20.8 percent in Orthopaedic Surgery. For non-U.S. IMGs, the overall match rate was 56.1 percent, ranging from a high of 66.7 percent in Pathology to a low of 17.4 percent in Vascular Surgery. Match rates were lower for U.S. IMGs than non-U.S. IMGs only in specialties such as Child Neurology, Internal Medicine, Neurology, Orthopaedic Surgery, Pathology, and Physical Medicine and Rehabilitation. The numbers of U.S. IMGs who preferred Dermatology, Radiation Oncology, and Vascular Surgery are too small and not shown in the chart.

**Table  
2****Summary Statistics  
All Specialties Combined**

Measure	U.S. IMGs		Non-U.S. IMGs	
	Matched (n=2,442)	Unmatched (n=1,932)	Matched (n=3,484)	Unmatched (n=2,615)
1. Mean number of contiguous ranks	7.6	2.3	6.6	2.4
2. Mean number of distinct specialties ranked	1.4	1.5	1.3	1.4
3. Mean USMLE Step 1 score	223	213	234	223
4. Mean USMLE Step 2 score	234	223	240	230
5. Mean number of research experiences	2.0	2.9	2.5	2.6
6. Mean number of abstracts, presentations, and publications	3.3	4.5	6.6	7.0
7. Mean number of work experiences	4.3	5.6	6.1	6.4
8. Mean number of volunteer experiences	4.7	4.2	4.1	3.9
9. Percentage who have a Ph.D. degree	1.2	1.9	3.0	3.0
10. Percentage who have another graduate degree	20.7	30.0	20.6	26.1

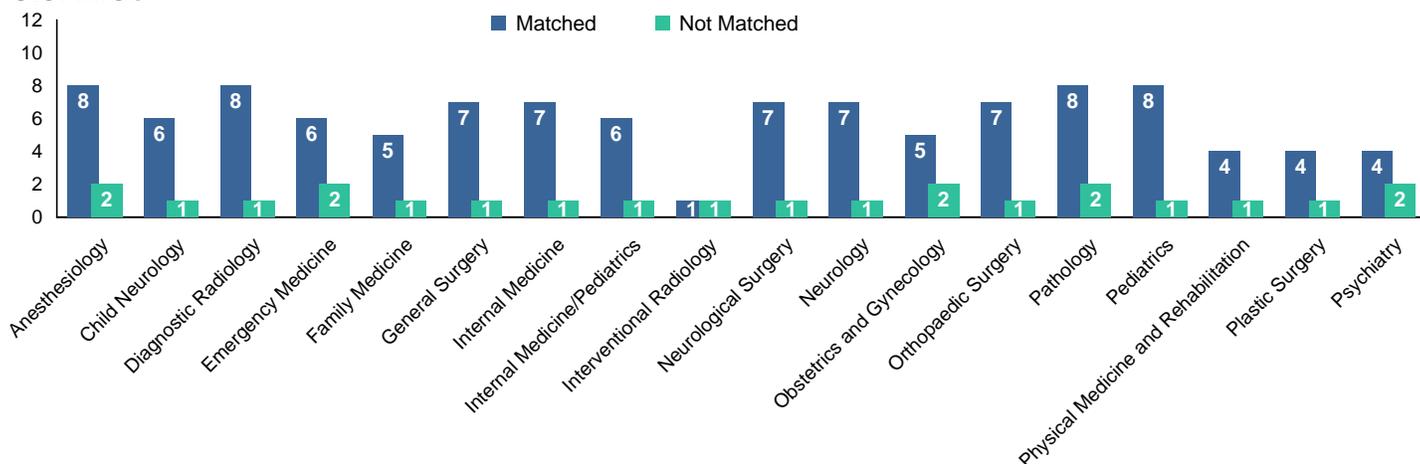
Source. NRMP Data Warehouse

Table 2 provides summary statistics for all specialties by IMG type and Match outcome on the 10 measures presented in this report. Data on each of these measures are displayed graphically by preferred specialty on the following pages. Only IMGs who gave consent to use their information in research are included in this table and the rest of the report.

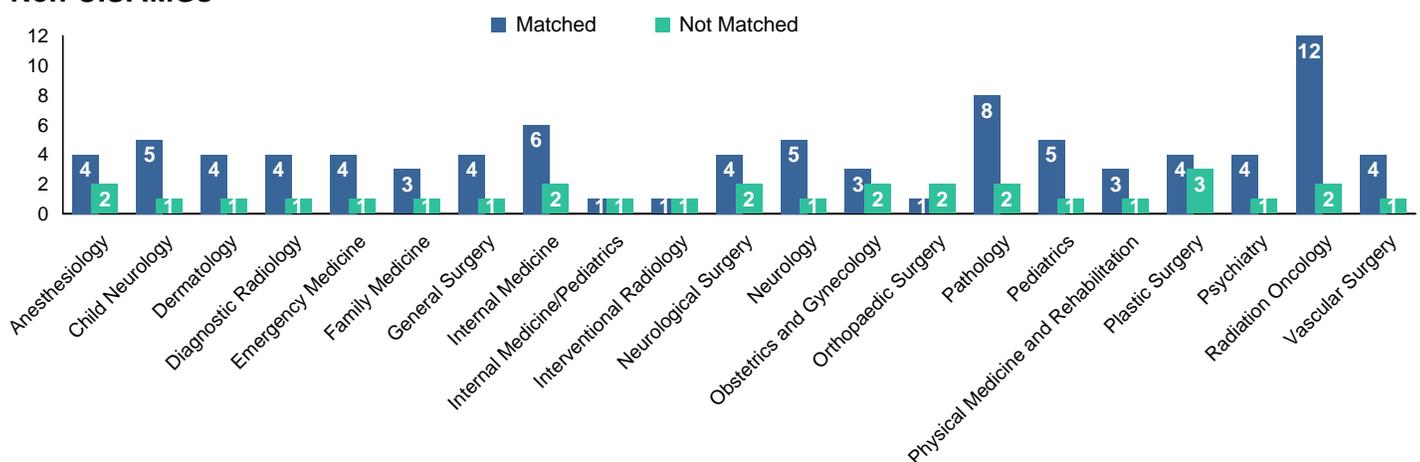
**Chart  
4**

**Median Number of Contiguous Ranks of International Medical Graduates by Preferred Specialty, IMG Applicant Type, and Match Status**

**U.S. IMGs**



**Non-U.S. IMGs**



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).

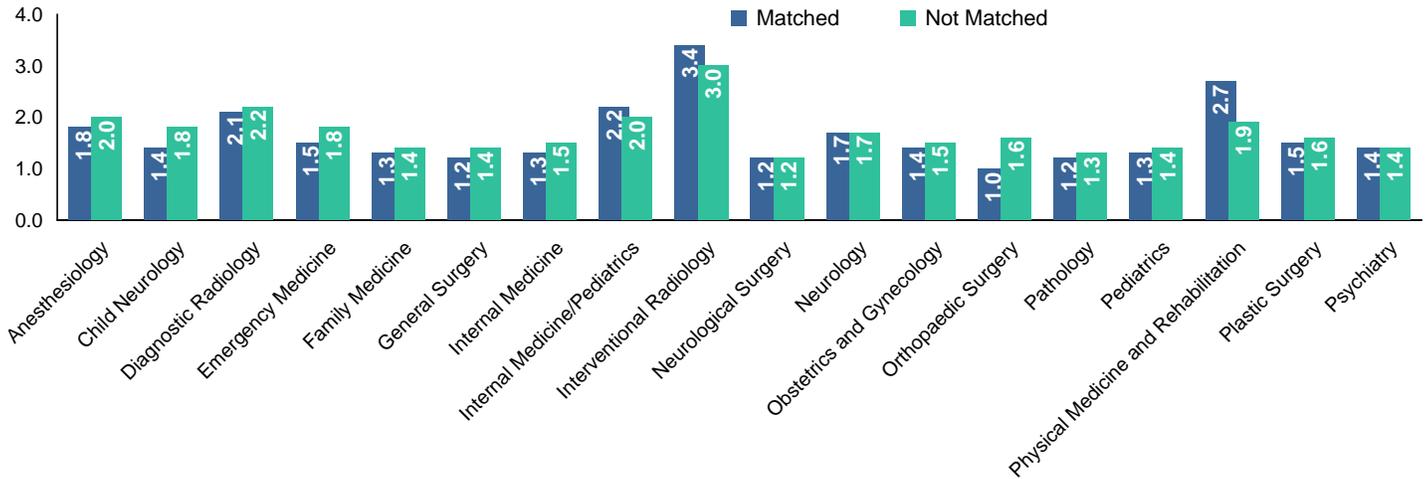
Chart 4 displays the median number of contiguous ranks by preferred specialty for U.S. IMGs and non-U.S. IMGs who matched and did not match to their preferred specialty. Both applicant types show variation across specialties. For almost all specialties, U.S. IMGs who matched to their preferred specialty had median contiguous rank lists that were longer than those of U.S. IMGs who did not match. The same pattern can be found for non-U.S. IMGs, although the lists of matched non-U.S. IMGs were in many cases shorter than those submitted by U.S. IMGs.

The principal message of these graphs is that applicants with longer rank order lists are more successful than those with shorter rank order lists. Some applicants submit shorter rank order lists because they find only a few programs willing to entertain their applications or because they cannot afford a large number of interview trips.

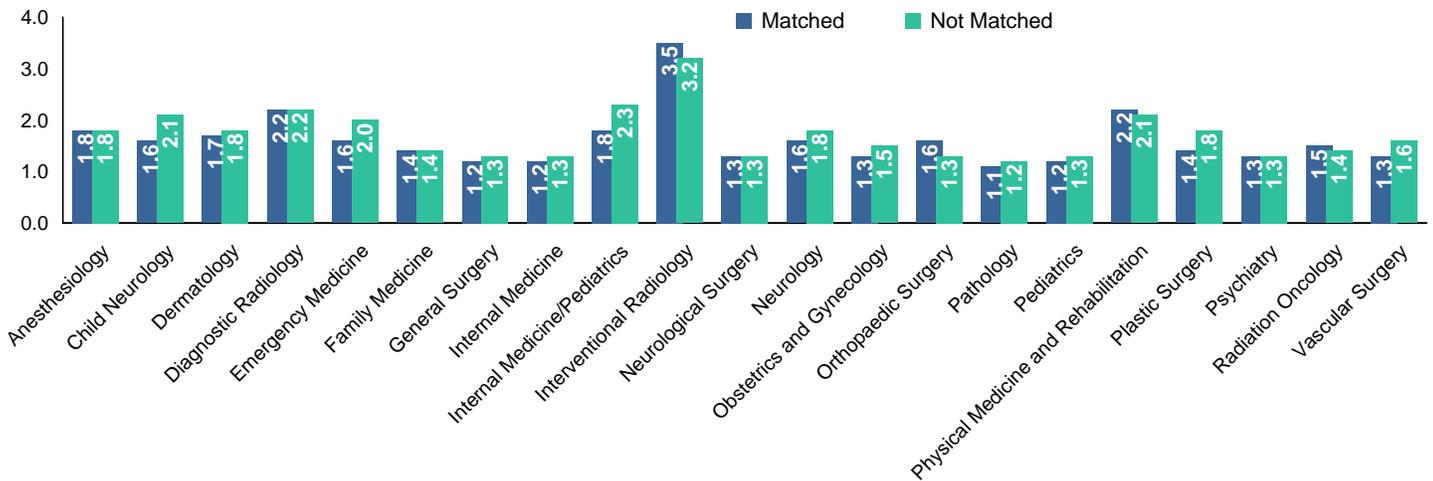
**Chart  
5**

**Mean Number of Different Specialties Ranked by International Medical Graduates by Preferred Specialty, IMG Applicant Type, and Match Status**

**U.S. IMGs**



**Non-U.S. IMGs**

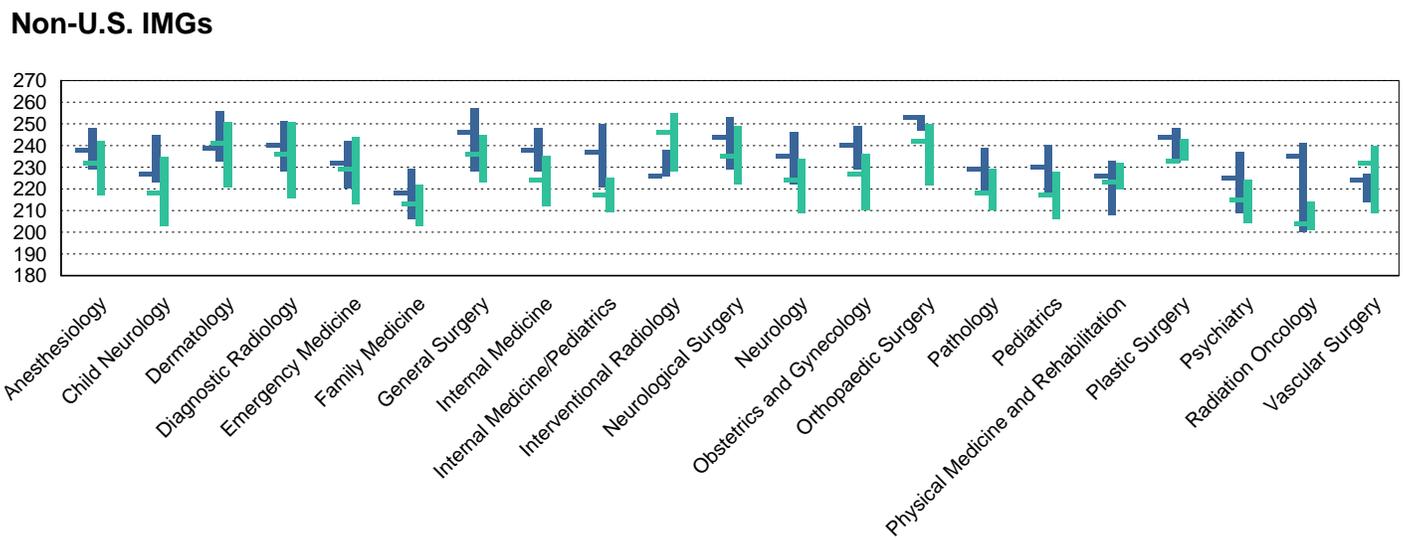
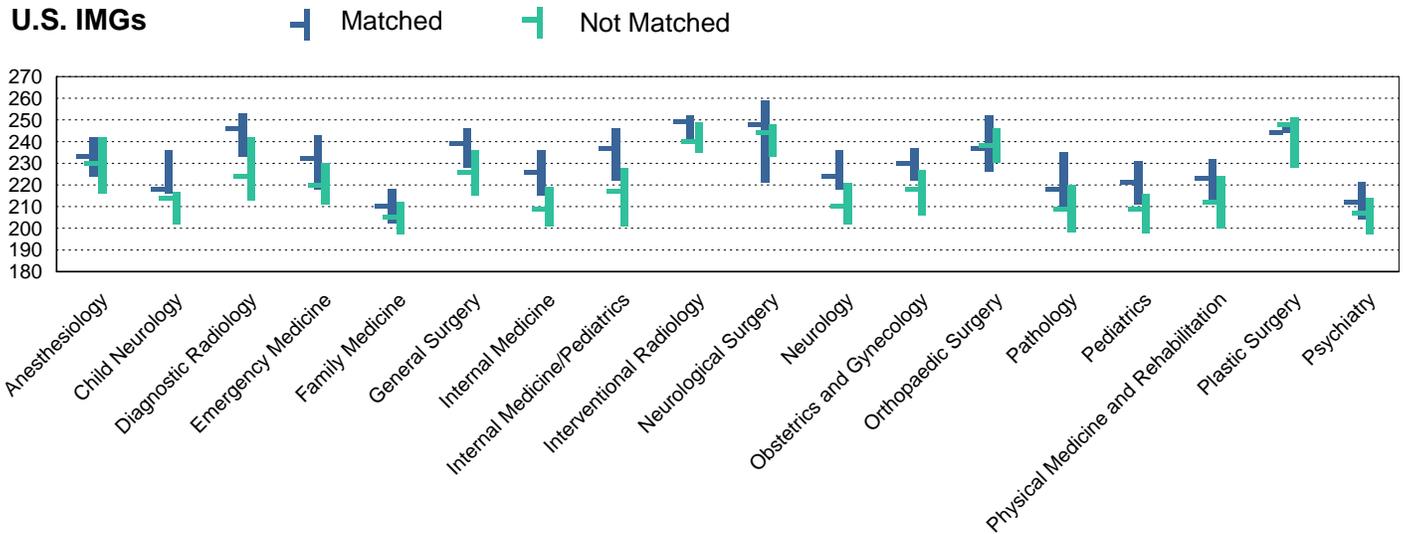


Source: NRMP Data Warehouse

Some applicants are interested in a single specialty while others consider two or more. Chart 5 displays the average number of different specialties ranked by IMG applicant type, preferred specialty, and Match outcome. The numbers of specialties ranked by IMGs who matched or did not match to their preferred specialty were similar with the exception of Orthopaedic Surgery, and Physical Medicine and Rehabilitation for U.S. IMGs and Internal Medicine/Pediatrics and Child Neurology for non-U.S. IMGs.

**Chart  
6**

**USMLE Step 1 Scores of International Medical Graduates  
by Preferred Specialty, Match Status, and IMG Applicant Type**



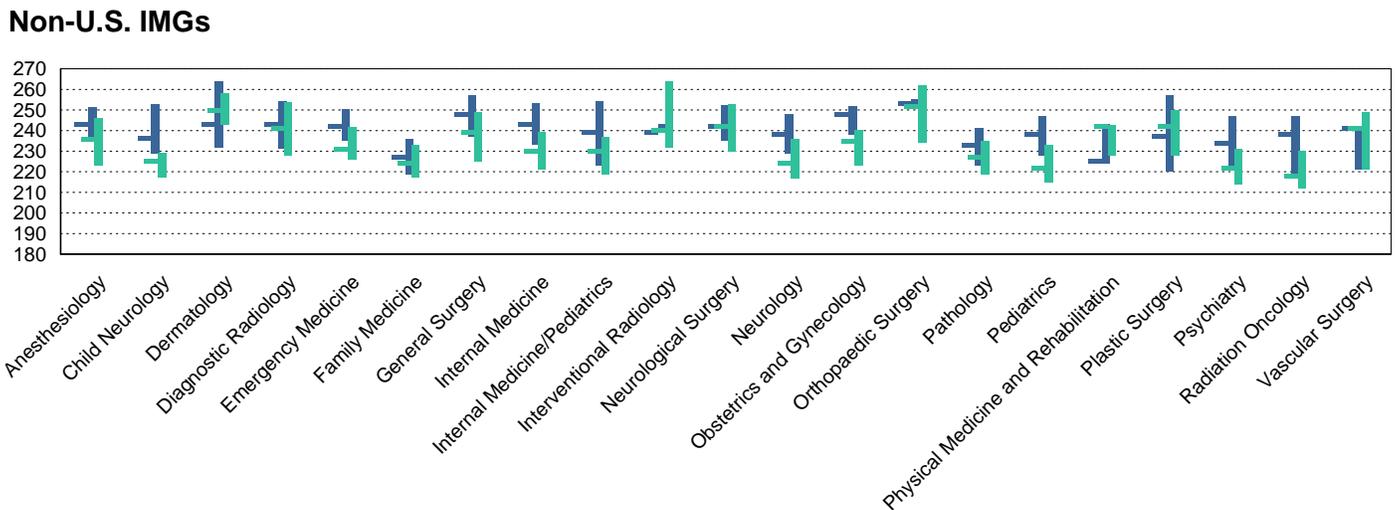
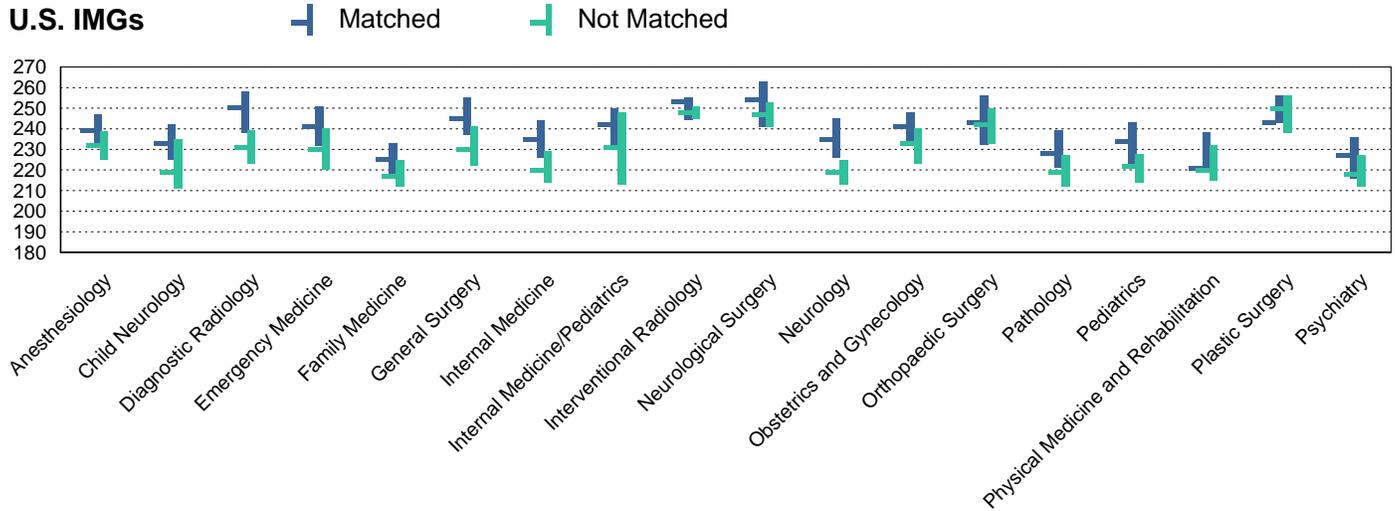
Source: NRMP Data Warehouse

USMLE Step 1 scores are a measure of an applicant'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 applicants during the interview season and prior to the NRMP's ranking deadline. Overall, matched U.S. IMGs had *mean* USMLE Step 1 scores of 222.9 (s.d. = 16.7) and matched non-U.S. IMGs had *mean* USMLE Step 1 scores of 233.9 (s.d. = 16.7), both well above the 2020 minimum passing score of 194. Step 1 scores were available for 92 percent of U.S. IMGs and 95 percent of non-U.S. IMGs who gave consent to research.

Chart 6 displays the Step 1 scores by specialty for matched and unmatched U.S. IMGs (top panel) and non-U.S. IMGs (bottom panel). 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). Specialties with too few data points lack the vertical bar. Across all specialties except Neurological Surgery, Orthopaedic Surgery, and Plastic Surgery, the IQR of U.S. IMGs who matched to their preferred specialty was higher than the IQR of those who did not match. The same trend was found among non-U.S. IMGs for all specialties except Interventional Radiology, Physical Medicine and Rehabilitation, and Vascular Surgery.

**Chart  
7**

**USMLE Step 2 CK Scores of International Medical Graduates  
by Preferred Specialty, Match Status, and IMG Applicant Type**



Source: NRMP Data Warehouse

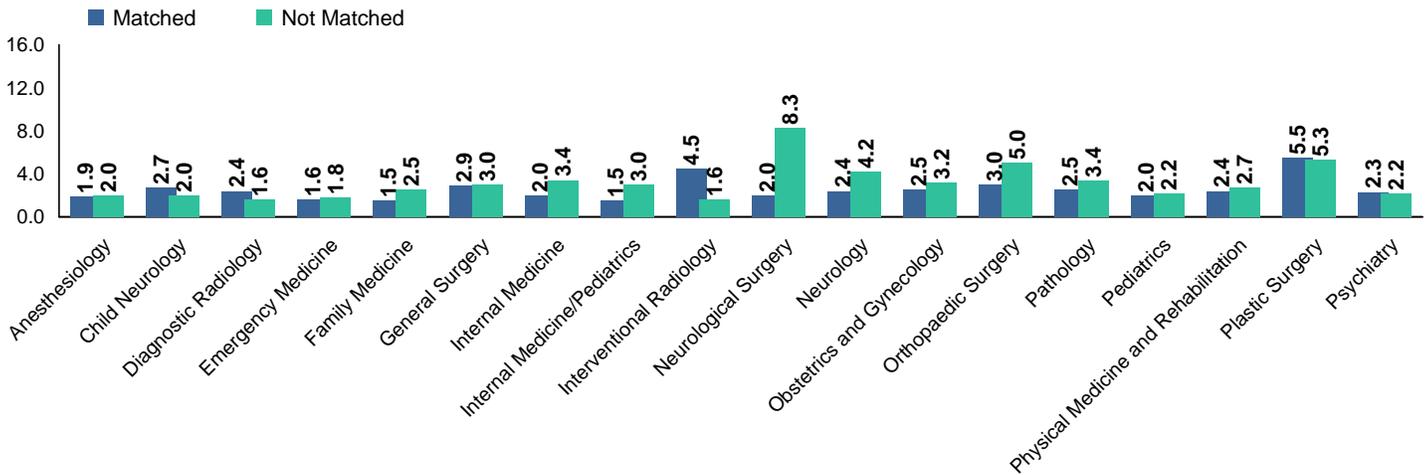
USMLE Step 2 CK scores are a measure of an applicant's ability to apply the medical knowledge, skills, and understanding of clinical science essential for providing patient care. Overall, matched U.S. IMGs had *mean* USMLE Step 2 CK scores of 233.5 (s.d. = 14.0) and matched non-U.S. IMGs had *mean* USMLE Step 2 CK scores of 240.0 (s.d. = 14.9), both well above the 2020 minimum passing score of 209. Step 2 CK scores were available for 92 percent of U.S. IMGs and 95 percent of non-U.S. IMGs who gave consent to research.

Chart 7 shows the Step 2 CK scores for U.S. IMGs (top panel) and non-U.S. IMGs (bottom panel) who did and did not match to their preferred specialty. The horizontal bars are the *median* values and the vertical lines show the interquartile ranges. Specialties with too few data points lack the vertical bar. As was the case for Step 1 scores, in most specialties U.S. IMGs who matched to their preferred specialties had higher scores than U.S. IMGs who did not match to their preferred specialties. The same trend was seen among non-U.S. IMGs. The exceptions - specialties for which the score ranges are *similar or higher* for unmatched applicants - are Orthopaedic Surgery and Plastic Surgery for U.S. IMGs and Dermatology, Interventional Radiology, Physical Medicine and Rehabilitation, Plastic Surgery, and Vascular Surgery for non-U.S. IMGs.

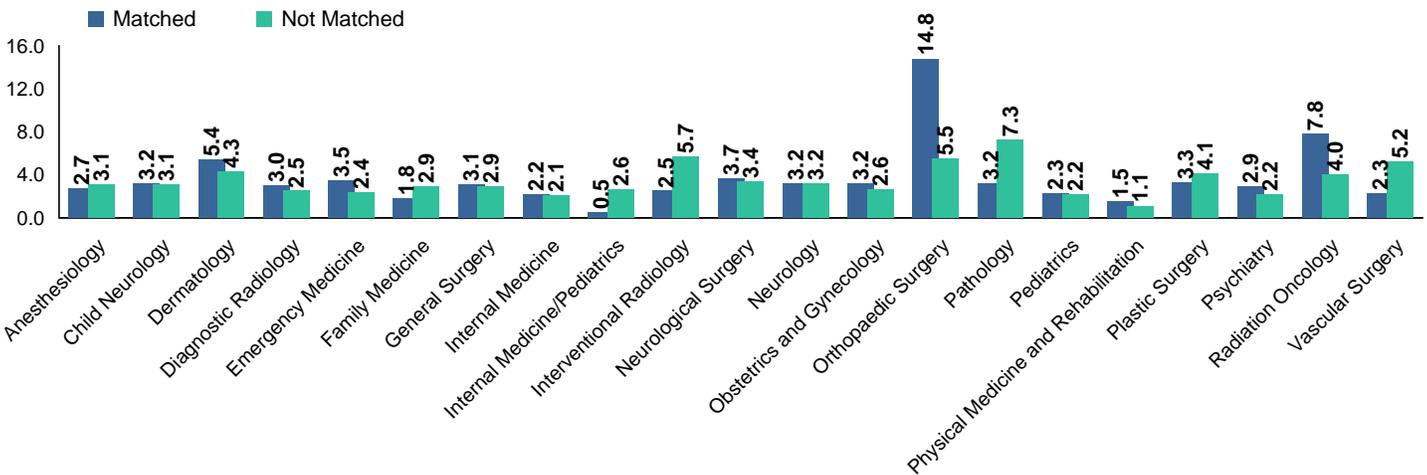
**Chart  
8**

**Mean Number of Research Experiences of International Medical Graduates by Preferred Specialty, Match Status, and IMG Applicant Type**

**U.S. IMGs**



**Non-U.S. IMGs**



Source: NRMP Data Warehouse

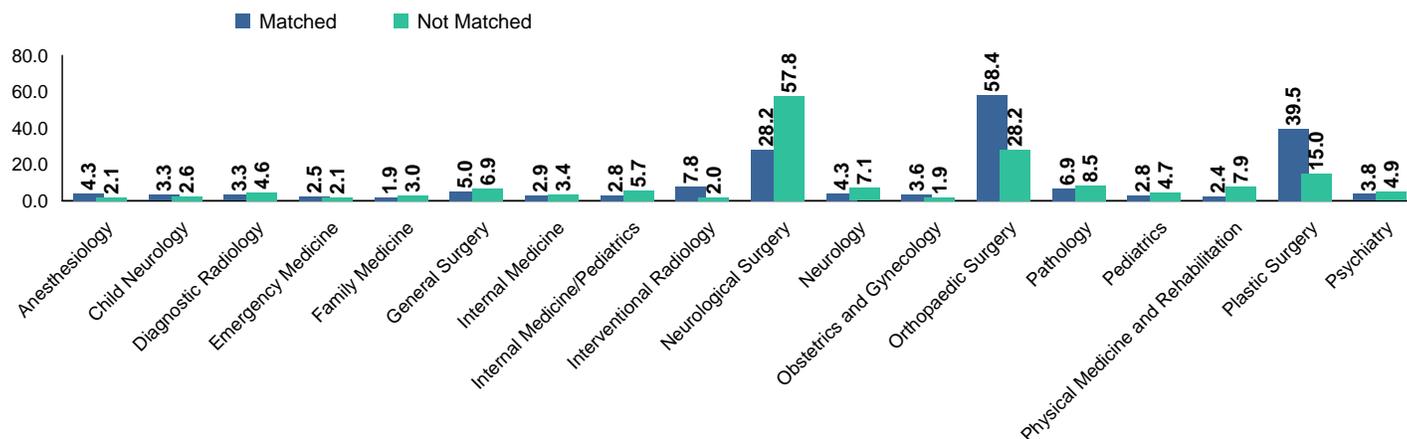
Applicants were asked to report the number of research experiences they entered in their Electronic Residency Application Service (ERAS) applications. The experiences are not verified or evaluated and quality may vary greatly. Chart 8 shows the average number of research experiences by IMG applicant type, preferred specialty, and Match outcome. U.S. IMGs averaged 2.4 research experiences, with 65.0 percent reporting at least one research experience. Non-U.S. IMGs averaged 2.5 research experiences, with 71.3 percent reporting at least one research experience. In most specialties, matched U.S. IMGs had fewer research experiences, but matched non-U.S. IMGs had more research experiences than their unmatched counterparts in competitive specialties such as Orthopaedic Surgery, Dermatology, General Surgery, and Neurological Surgery.

**Chart  
9**

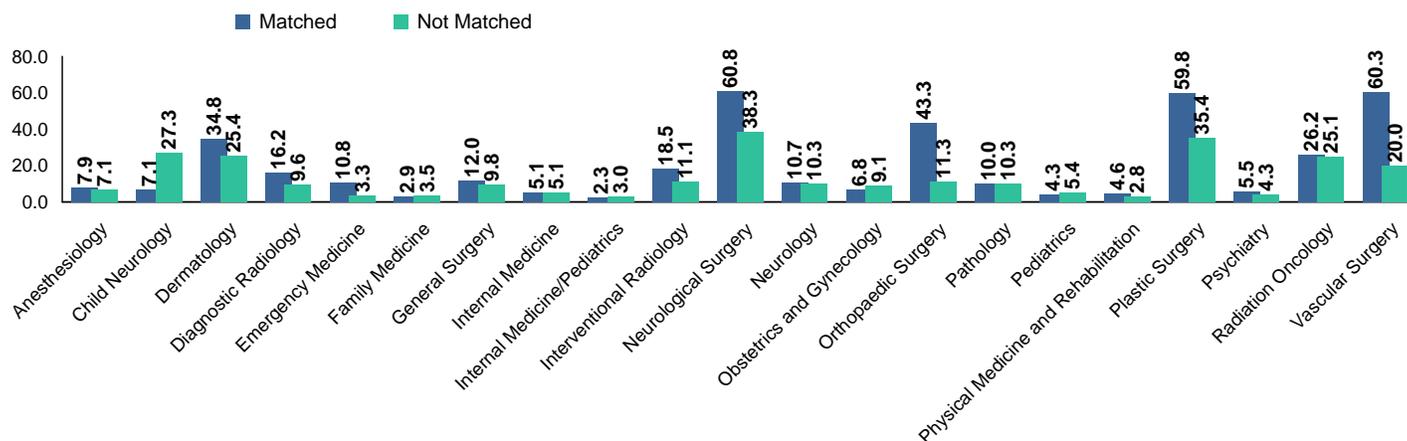
**Mean Number of Abstracts, Presentations, and Publications of International Medical Graduates**

*by Preferred Specialty, Match Status, and IMG Applicant Type*

**U.S. IMGs**



**Non-U.S. IMGs**



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.

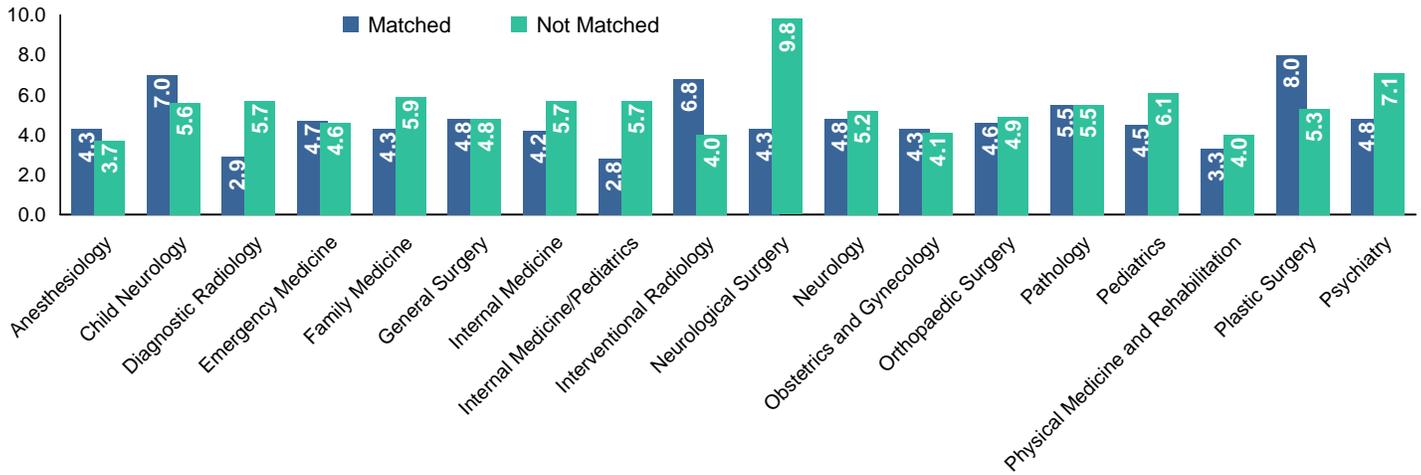
Many applicants report abstracts, presentations, or publications, sometimes dozens or even hundreds. In the individual specialty sections, we distinguish between no publications, 1 to 5 publications, and more than 5 publications. Chart 9 shows the average number of publications by IMG applicant type, preferred specialty, and Match outcome.

More than half of U.S. IMGs (55.7%) reported at least one publication, compared to about two-thirds (68.8%) of non-U.S. IMGs. The average number of publications was 3.8 for U.S. IMGs and 6.9 for non-U.S. IMGs. Large numbers of publications can be found in surgical specialties such as Dermatology, Neurological Surgery, Orthopaedic Surgery, Radiation Oncology, Plastic Surgery, and Vascular Surgery. The sample sizes for those specialties are generally small for IMGs. In those specialties, matched IMGs generally had more publications than IMGs who did not match in their preferred specialty. In other specialties, however, there is no distinctive pattern in either applicant group.

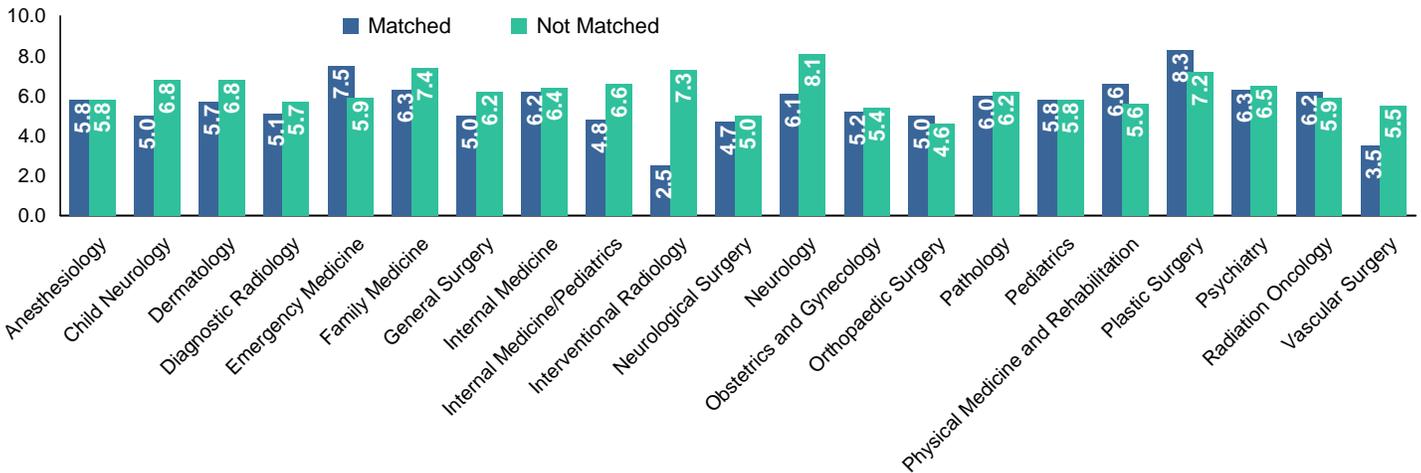
**Chart  
10**

**Mean Number of Work Experiences of International Medical Graduates  
by Preferred Specialty, Match Status, and IMG Applicant Type**

**U.S. IMGs**



**Non-U.S. IMGs**



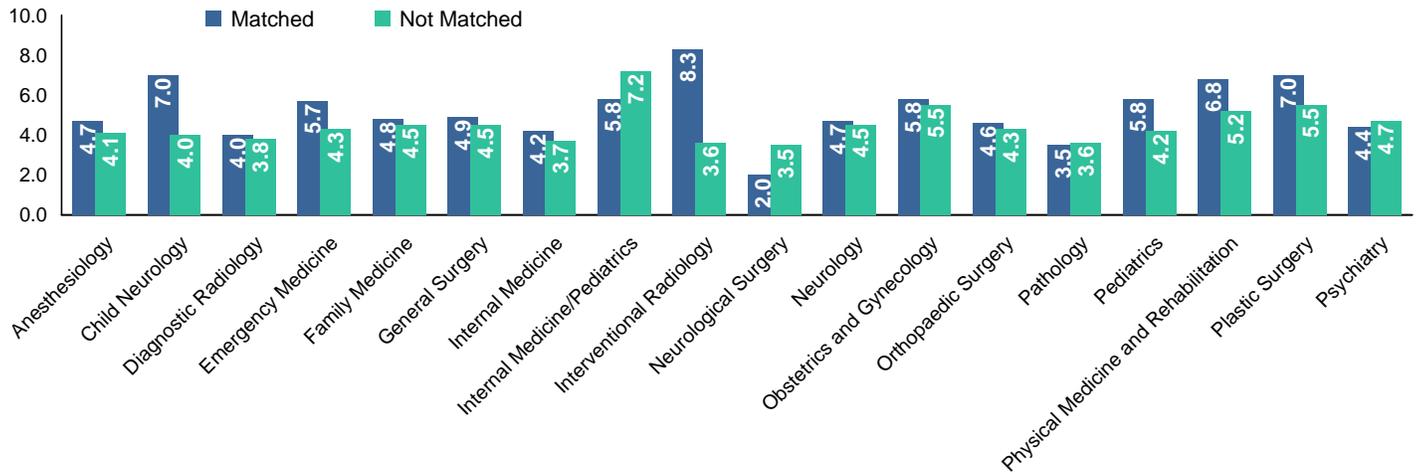
Source: NRMP Data Warehouse

Applicants were asked to list the number of work experiences they reported in their ERAS applications. Chart 10 shows the average number of work experiences by IMG applicant type, preferred specialty, and Match outcome. There is no clear pattern across the specialties as to whether matched IMGs had more work experiences than their unmatched counterparts. Across all specialties, non-U.S. IMGs averaged slightly more work experiences than U.S. IMGs (6.2 compared to 4.9). A larger proportion of non-U.S. IMGs (87.4% compared to 82.5% for U.S. IMGs) reported at least one work experience.

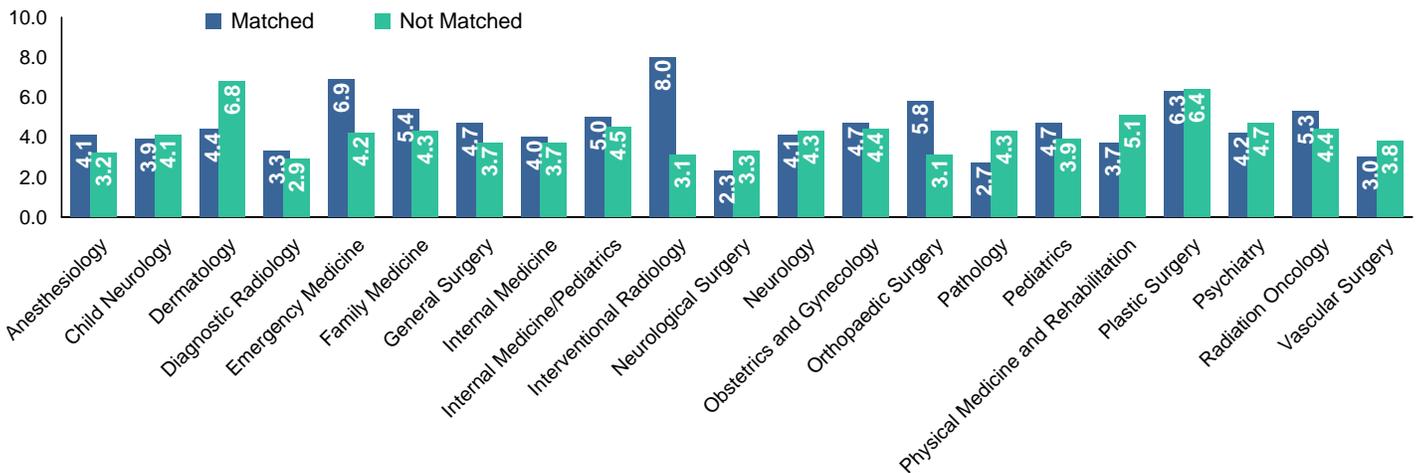
**Chart  
11**

**Mean Number of Volunteer Experiences of International Medical Graduates**

**U.S. IMGs**



**Non-U.S. IMGs**



Source: NRMP Data Warehouse

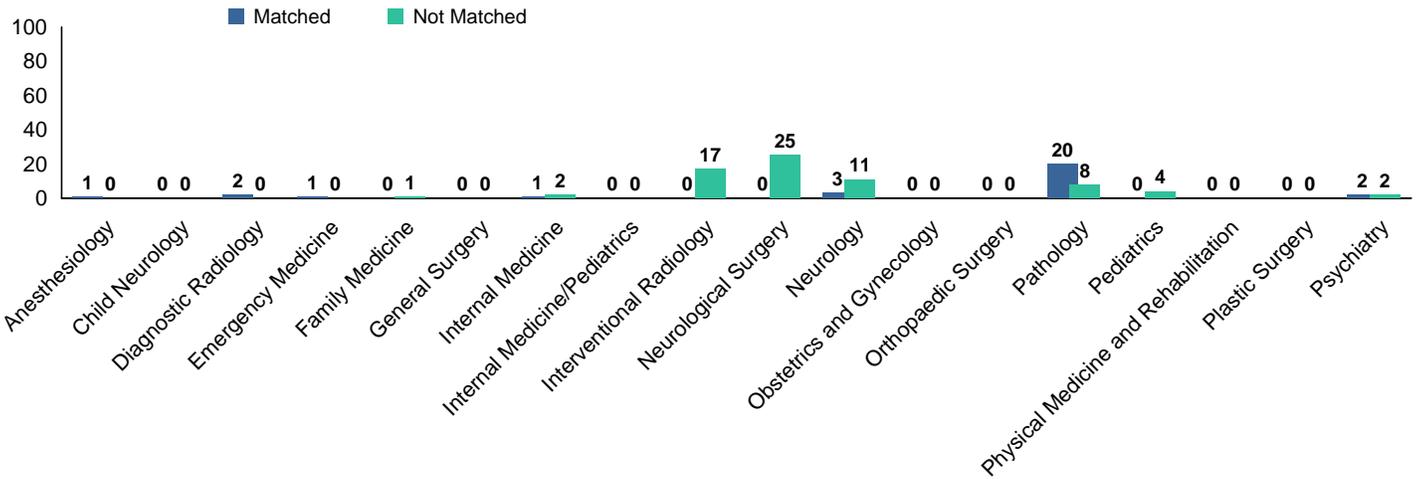
Applicants were asked to list the number of volunteer experiences they reported in their ERAS applications. Chart 11 displays the average number of volunteer experiences by IMG applicant type, preferred specialty, and Match outcome. In most specialties, matched IMGs in both groups had more volunteer experiences. Most noticeable are Child Neurology and Interventional Radiology for U.S. IMGs and Interventional Radiology, Emergency Medicine, and Orthopaedic Surgery for non-U.S. IMGs.

Overall, U.S. IMGs averaged 4.5 volunteer experiences and non-U.S. IMGs averaged 4.0 volunteer experiences. At least one volunteer experience was reported by 81.8 percent of U.S. IMGs and 82.2 percent of non-U.S. IMGs.

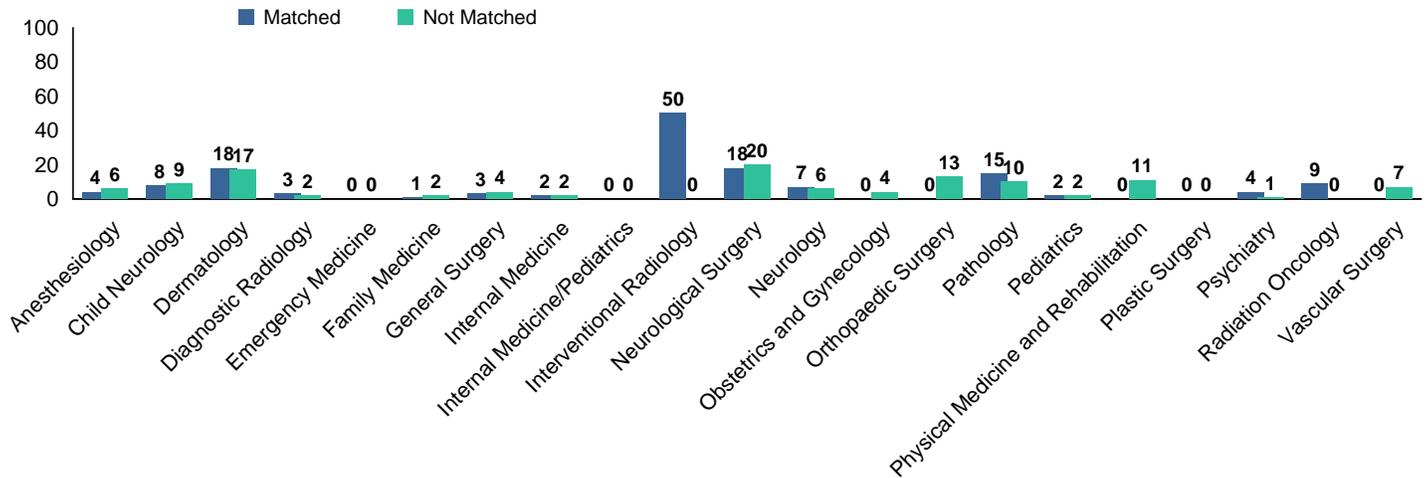
**Chart 12**

**Percentage of International Medical Graduates Who Have a Ph.D. Degree by Preferred Specialty, Match Status, and IMG Applicant Type**

**U.S. IMGs**



**Non-U.S. IMGs**



Source: NRMP Data Warehouse

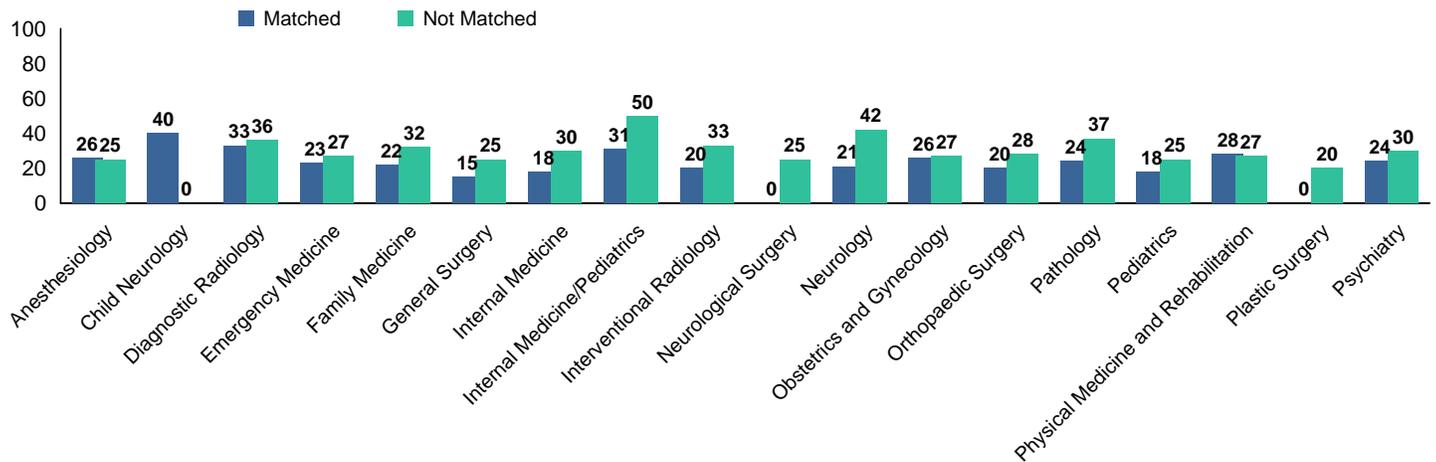
Chart 12 shows by preferred specialty, match status, and IMG applicant type the percentage of IMGs who have a Ph.D. degree. More non-U.S. IMGs (3.0%) reported Ph.D. degrees than U.S. IMGs (1.5%) although percentages are very small. The percentages of Ph.D. degree holders are higher in Pathology for U.S. IMGs and Interventional Radiology, Pathology, and Radiation Oncology for non-U.S. IMGs, but, again, the numbers of IMGs holding Ph.D. degrees are too small to draw meaningful conclusions across specialties.

**Chart  
13**

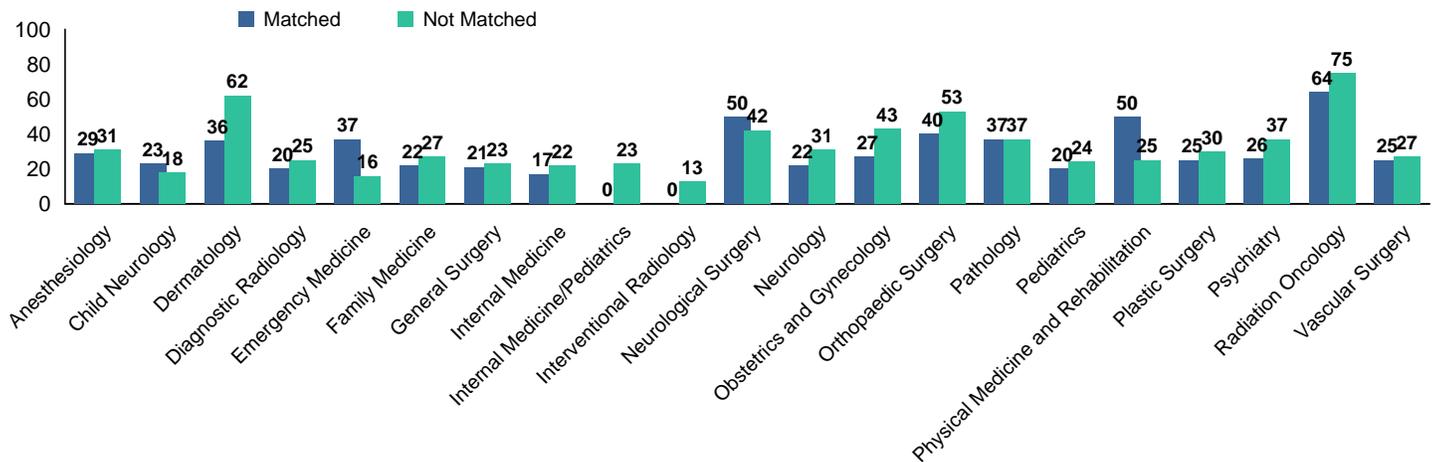
**Percentage of International Medical Graduates Who Have Another Graduate Degree**

*by Preferred Specialty, Match Status, and IMG Applicant Type*

**U.S. IMGs**



**Non-U.S. IMGs**



Source: NRMP Data Warehouse

Chart 13 shows by preferred specialty, match status and IMG applicant type the percentage of IMGs who have a graduate degree other than a Ph.D. For all specialties but Anesthesiology, Child Neurology, and Physical Medicine and Rehabilitation, a larger proportion of U.S. IMGs who did not match to their preferred specialty reported a graduate degree than did their matched counterparts. The same trend can be found among non-U.S. IMGs with the exception of Child Neurology, Emergency Medicine, Neurological Surgery, and Physical Medicine and Rehabilitation.

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**AN** Anesthesiology

**Table AN-1** **Summary Statistics**  
*Anesthesiology*

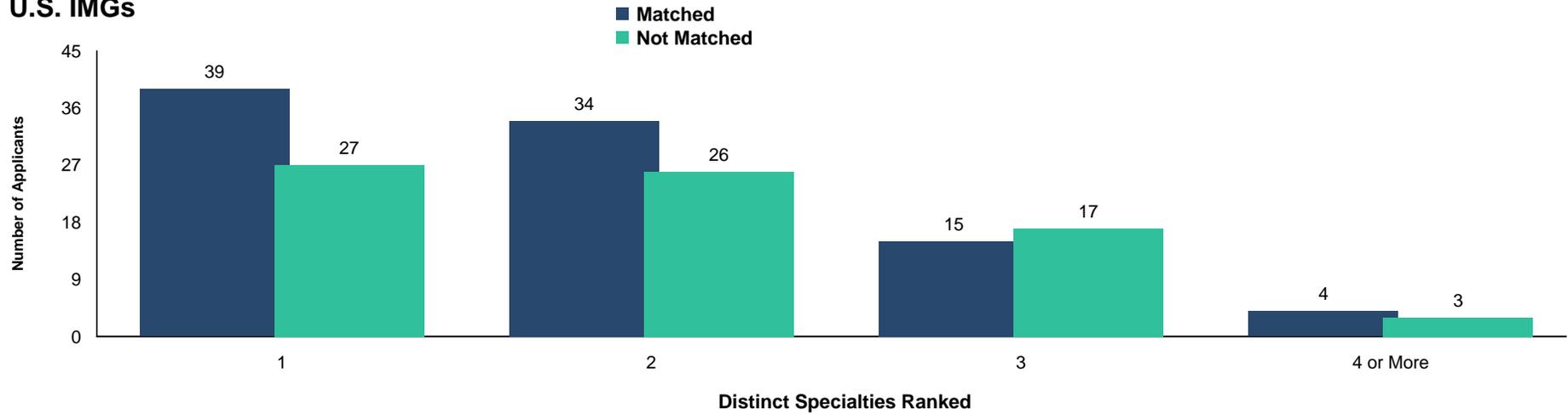
Measure	U.S. IMGs		Non-U.S. IMGs	
	Matched (n=92)	Unmatched (n=74)	Matched (n=95)	Unmatched (n=85)
1. Mean number of contiguous ranks	9.2	4.0	6.0	3.0
2. Mean number of distinct specialties ranked	1.8	2.0	1.8	1.8
3. Mean USMLE Step 1 score	232	228	236	229
4. Mean USMLE Step 2 score	239	232	242	235
5. Mean number of research experiences	1.9	2.0	2.7	3.1
6. Mean number of abstracts, presentations, and publications	4.3	2.1	7.9	7.1
7. Mean number of work experiences	4.3	3.7	5.8	5.8
8. Mean number of volunteer experiences	4.7	4.1	4.1	3.2
9. Percentage who have a Ph.D. degree	1.1	0.0	3.6	6.3
10. Percentage who have another graduate degree	25.6	25.0	29.1	30.8

Note: Only applicants who gave consent to use their information in research are included.  
Source: NRMP Data Warehouse

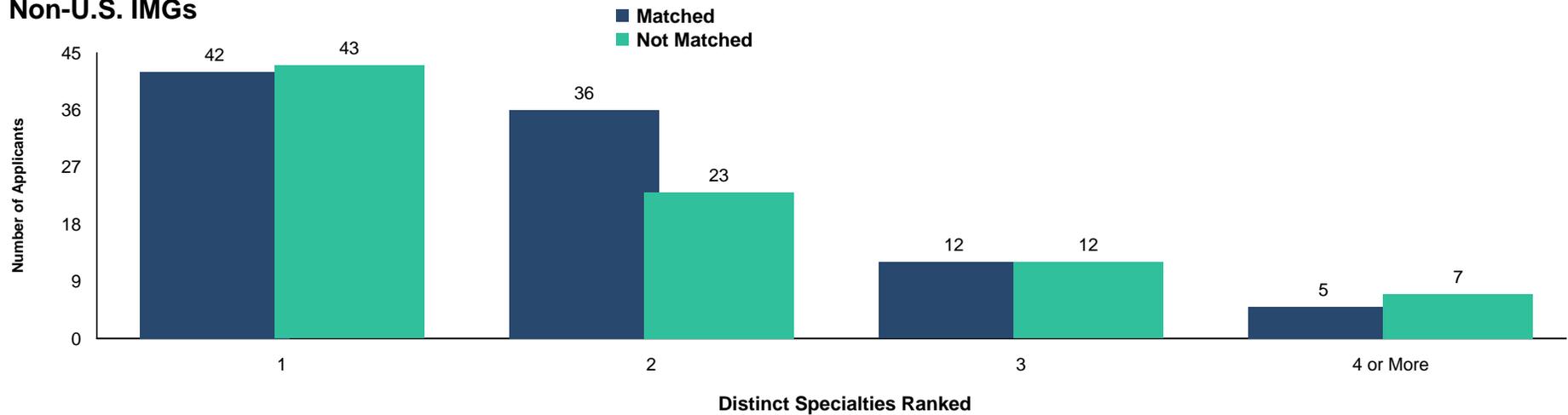
**Chart  
AN-1**

**Number of Distinct Specialties Ranked by International Medical Graduates  
Anesthesiology**

**U.S. IMGs**



**Non-U.S. IMGs**

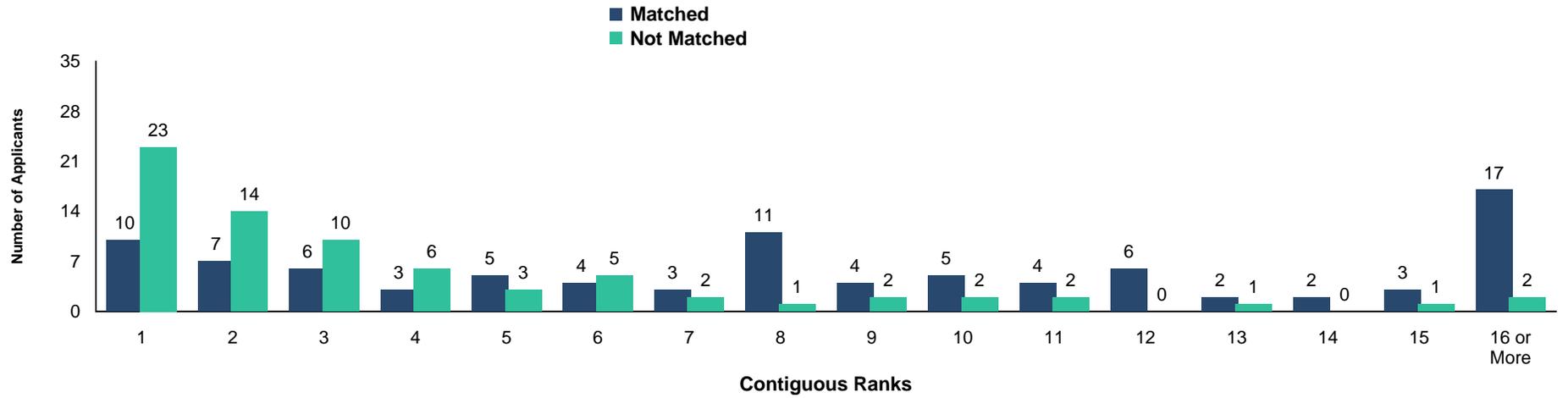


Source: NRMP Data Warehouse

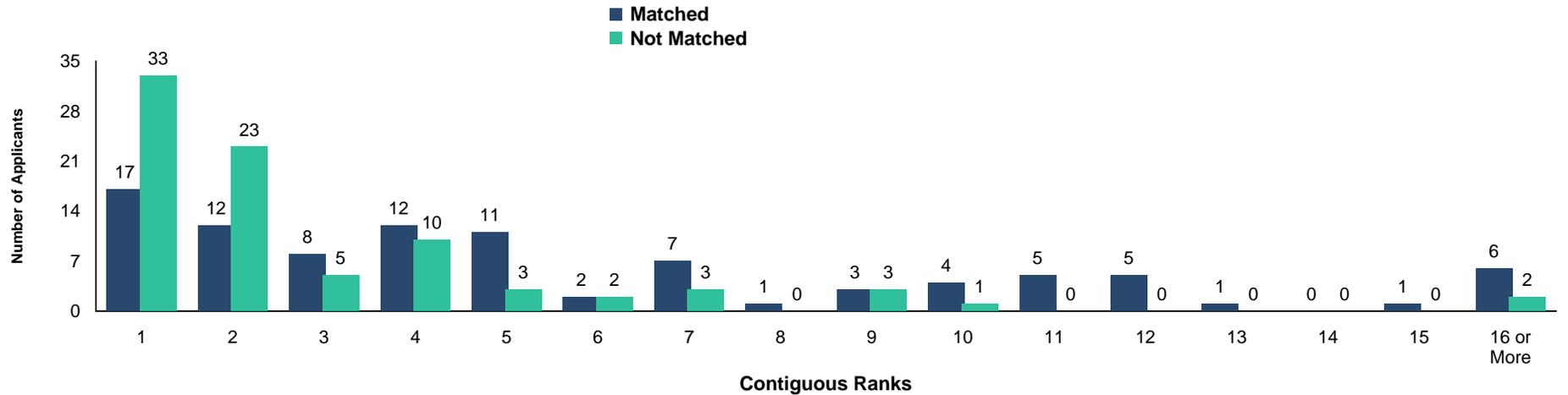
**Chart  
AN-2**

**Number of Contiguous Ranks of International Medical Graduates  
Anesthesiology**

**U.S. IMGs**



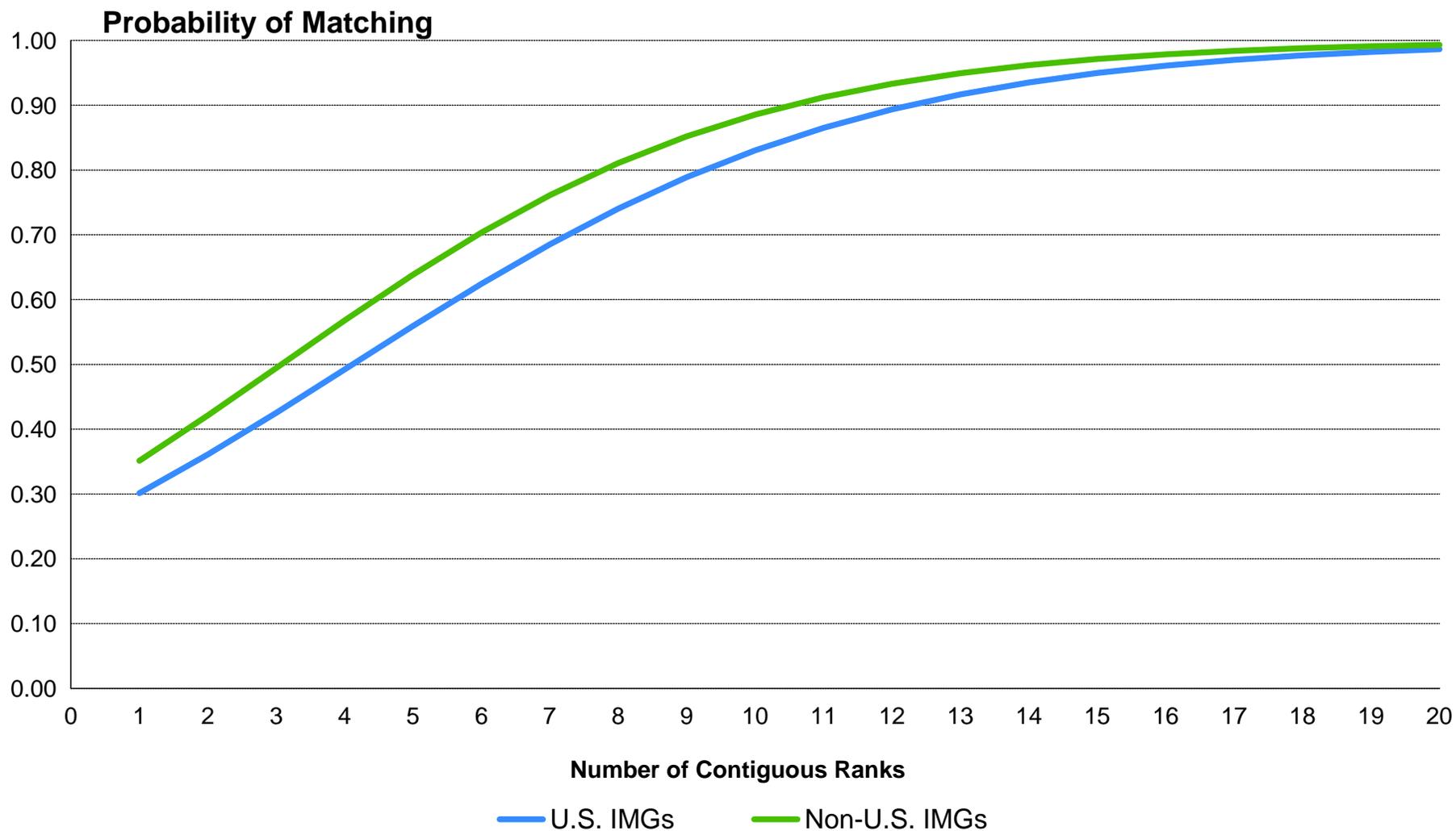
**Non-U.S. IMGs**



Source: NRMP Data Warehouse

**Graph  
AN-1**

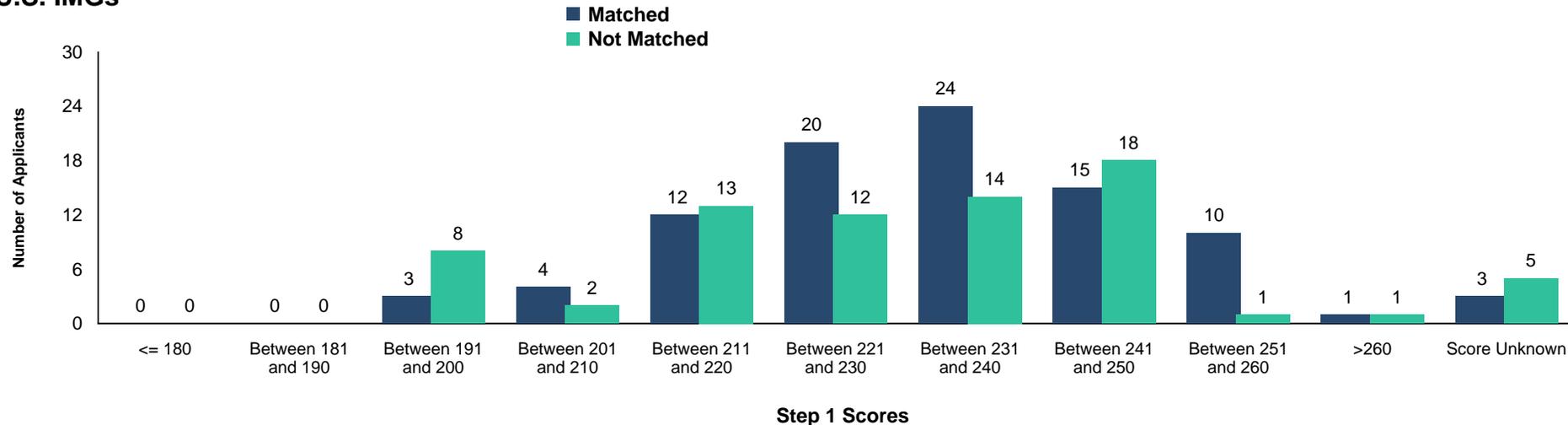
**Probability of International Medical Graduates Matching to Preferred Specialty by Number of Contiguous Ranks**  
*Anesthesiology*



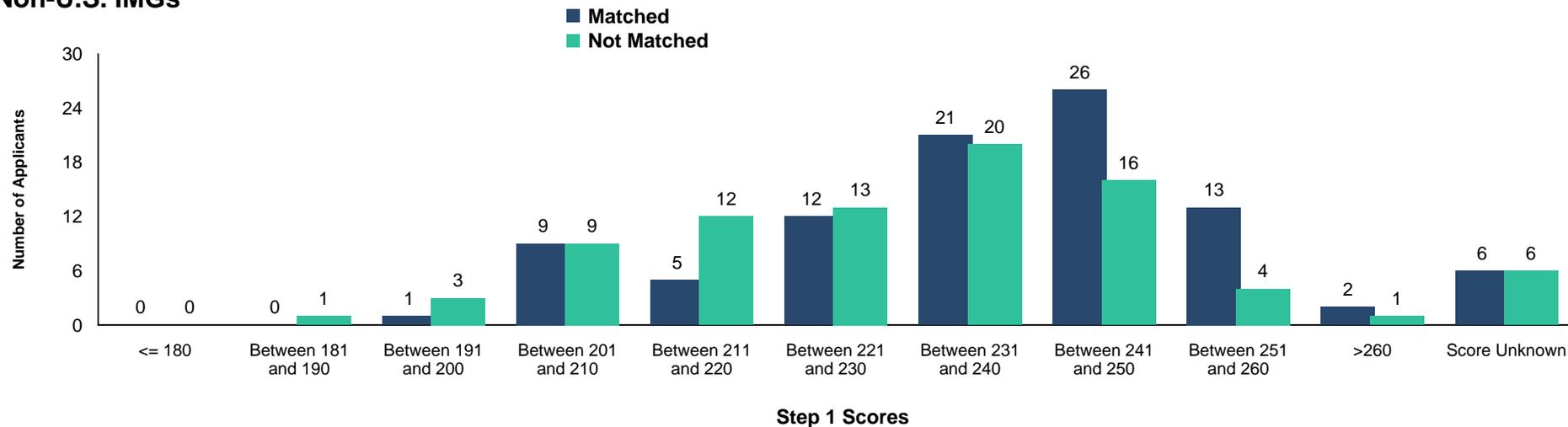
Source: NRMP Data Warehouse. Note: Probabilities calculated based on 2018-2020 applicants

# USMLE Step 1 Scores of International Medical Graduates *Anesthesiology*

## U.S. IMGs



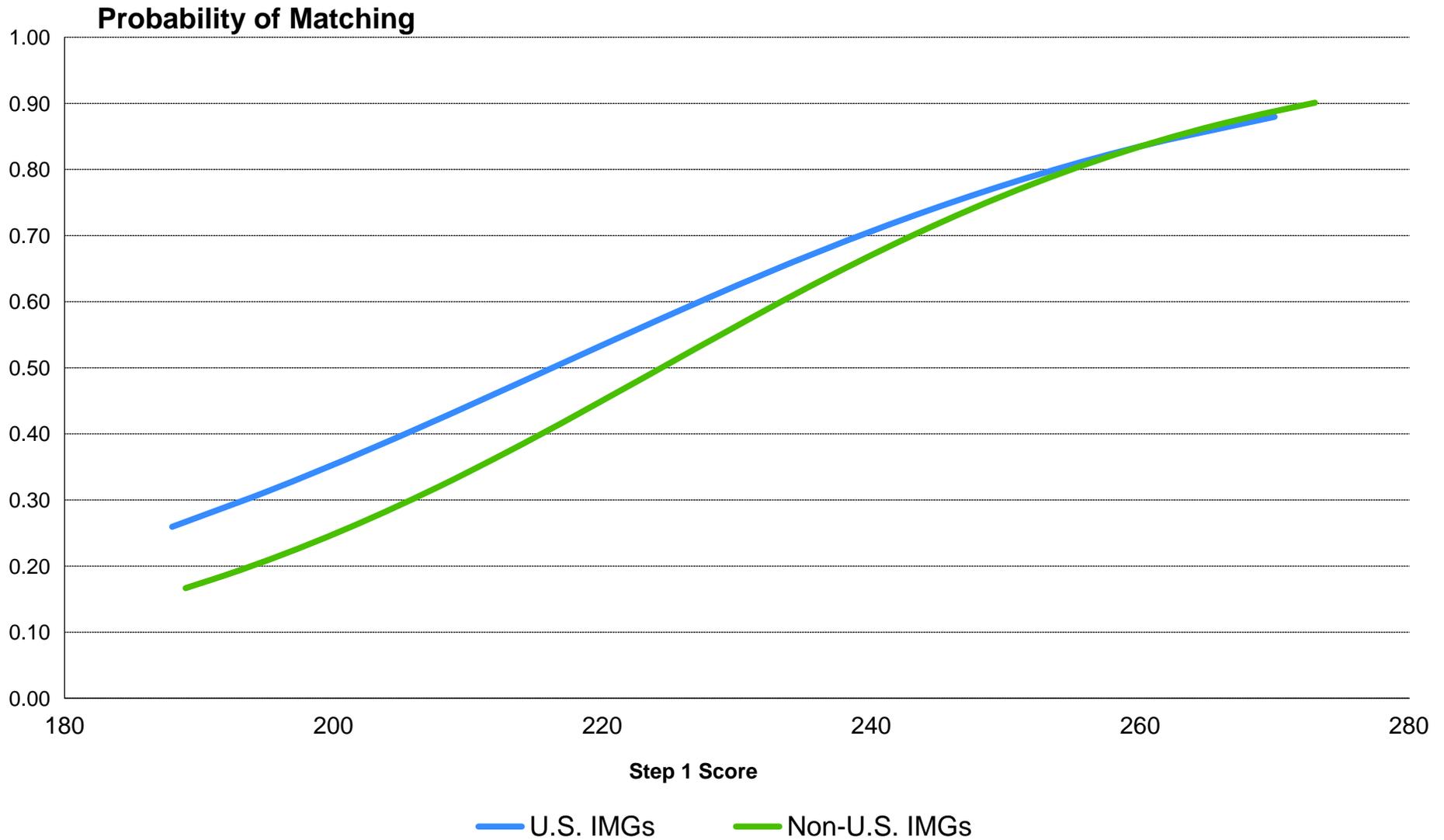
## Non-U.S. IMGs



Source: NRMP Data Warehouse

**Graph  
AN-2**

**Probability of International Medical Graduates Matching to Preferred Specialty by USMLE Step 1 Score**  
*Anesthesiology*

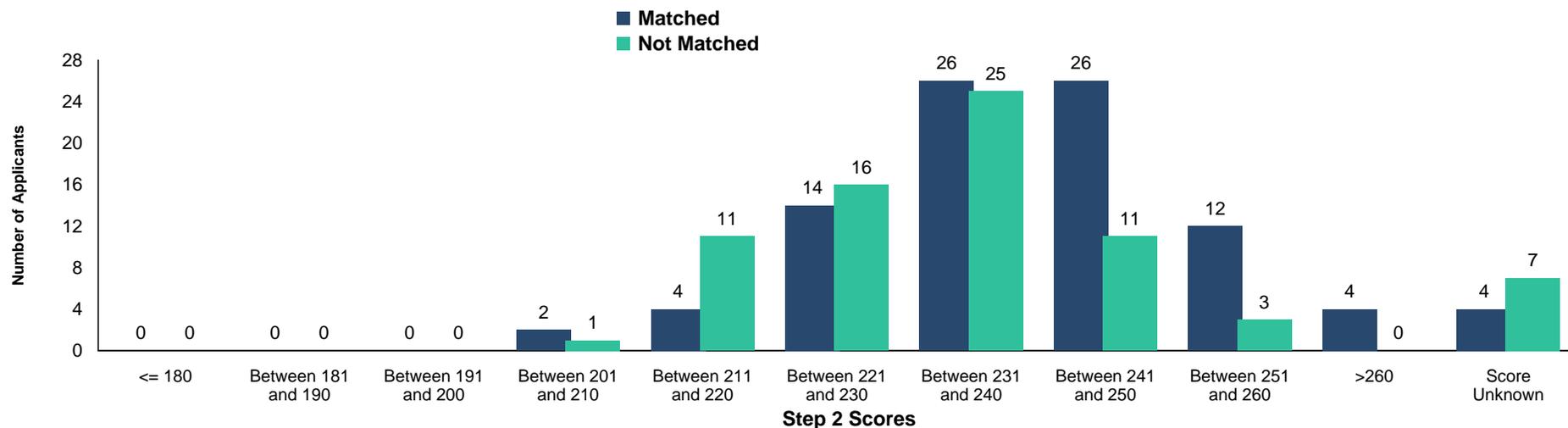


Source: NRMP Data Warehouse. Note: Probabilities calculated based on 2018-2020 applicants.

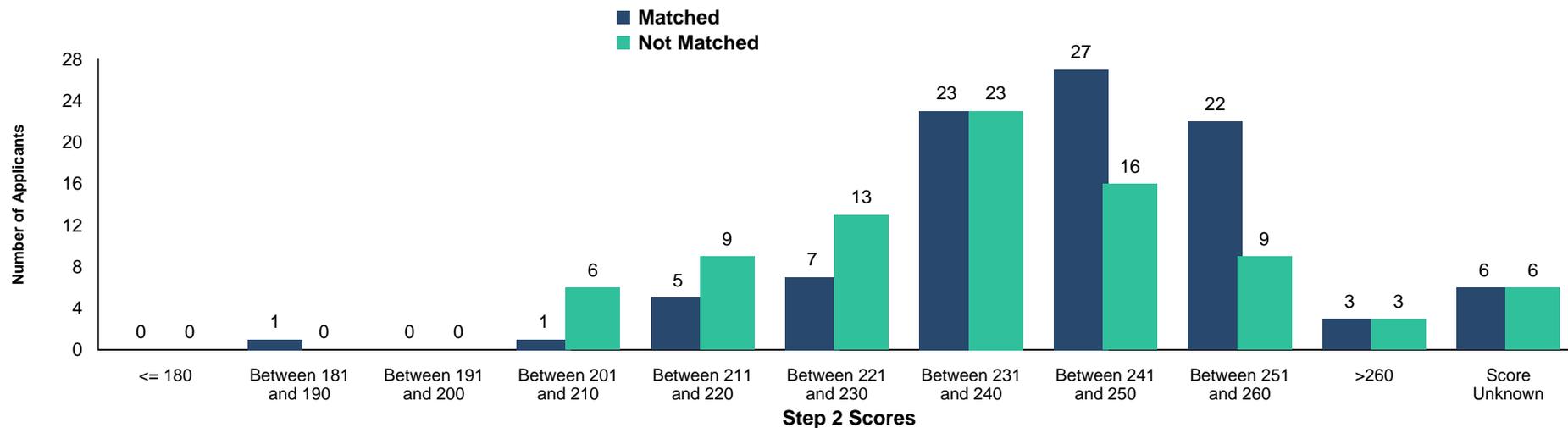
**Chart  
AN-4**

**USMLE Step 2 CK Scores of International Medical Graduates  
Anesthesiology**

**U.S. IMGs**



**Non-U.S. IMGs**

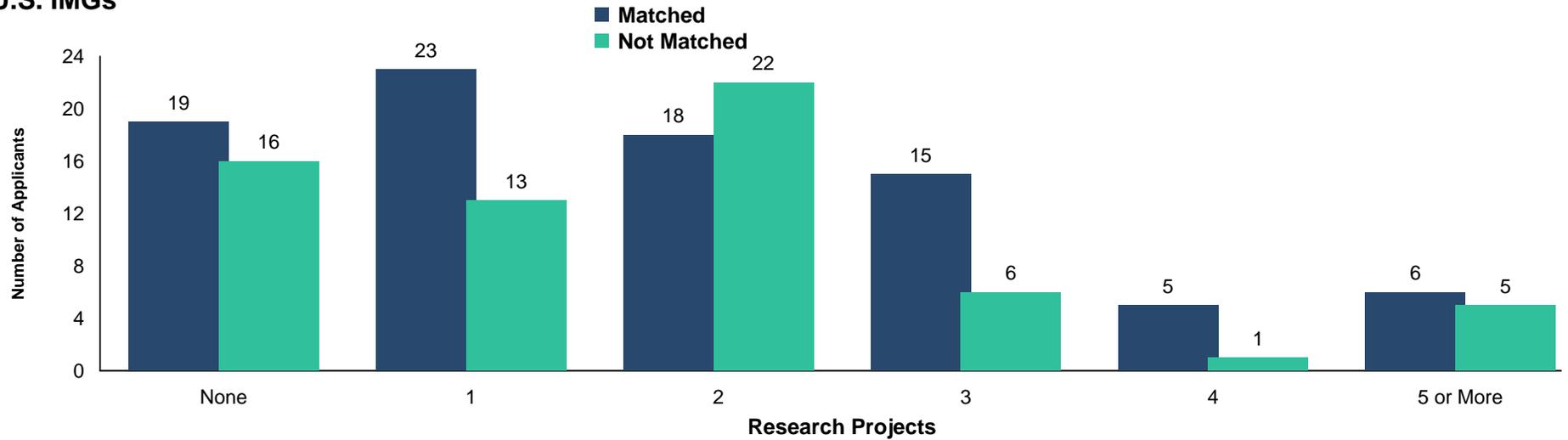


Source: NRMP Data Warehouse

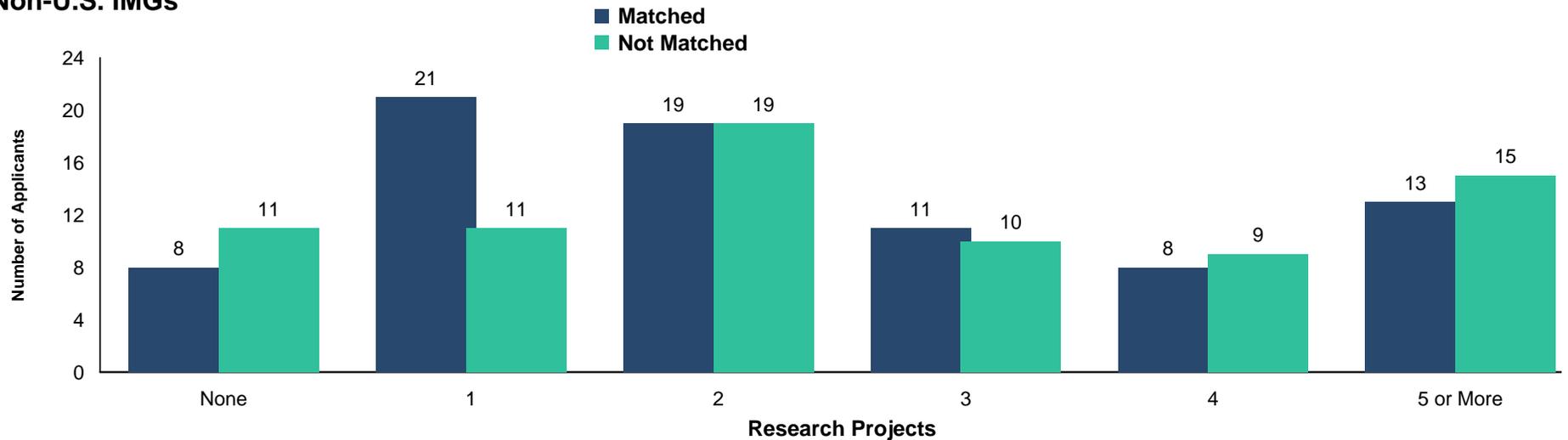
**Chart  
AN-5**

**Number of Research Projects of International Medical Graduates  
Anesthesiology**

**U.S. IMGs**



**Non-U.S. IMGs**

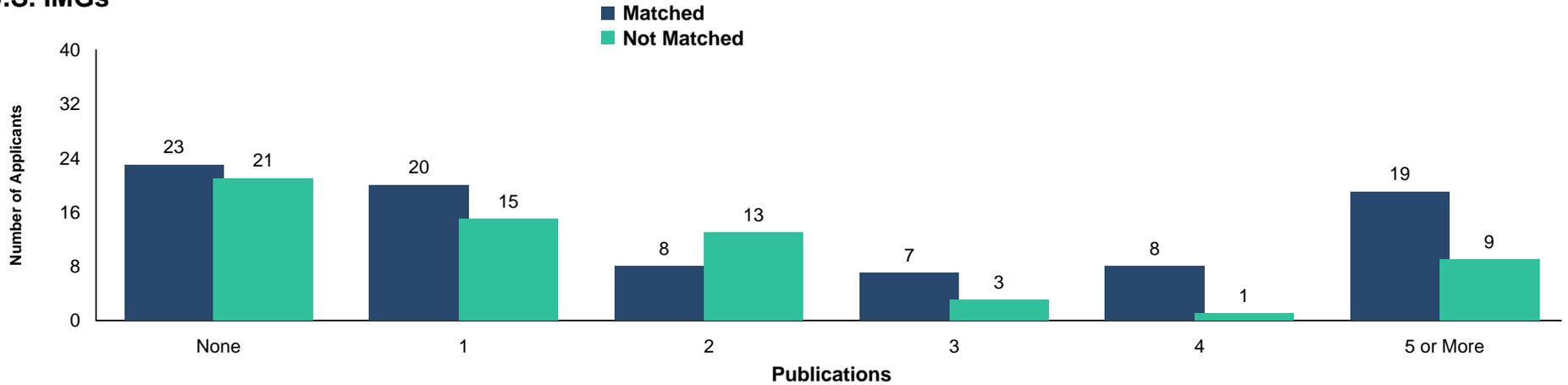


Source: NRMP Data Warehouse

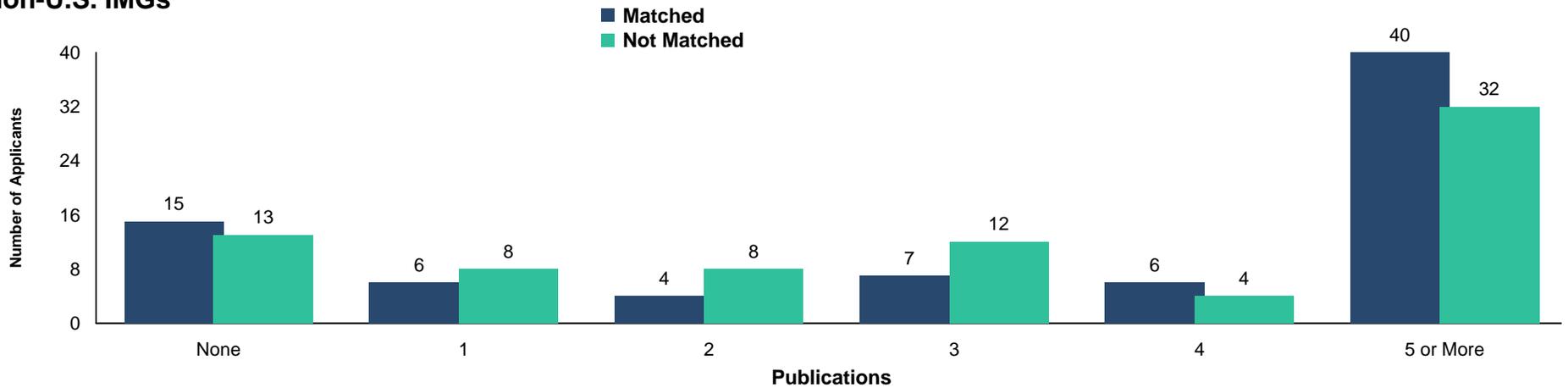
**Chart  
AN-6**

**Number of Abstracts, Presentations, and Publications of International Medical Graduates  
Anesthesiology**

**U.S. IMGs**



**Non-U.S. IMGs**

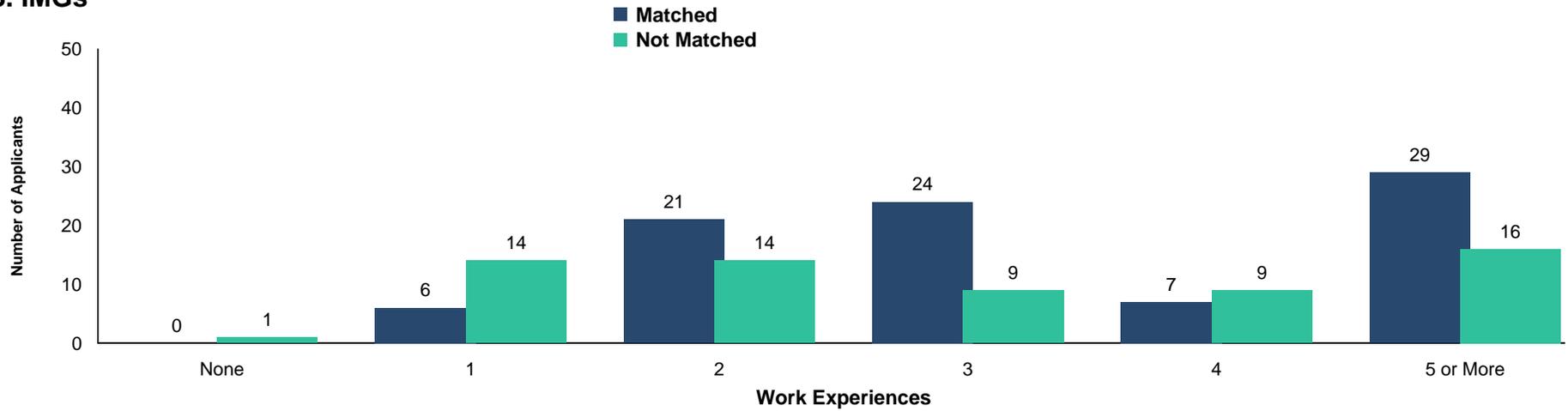


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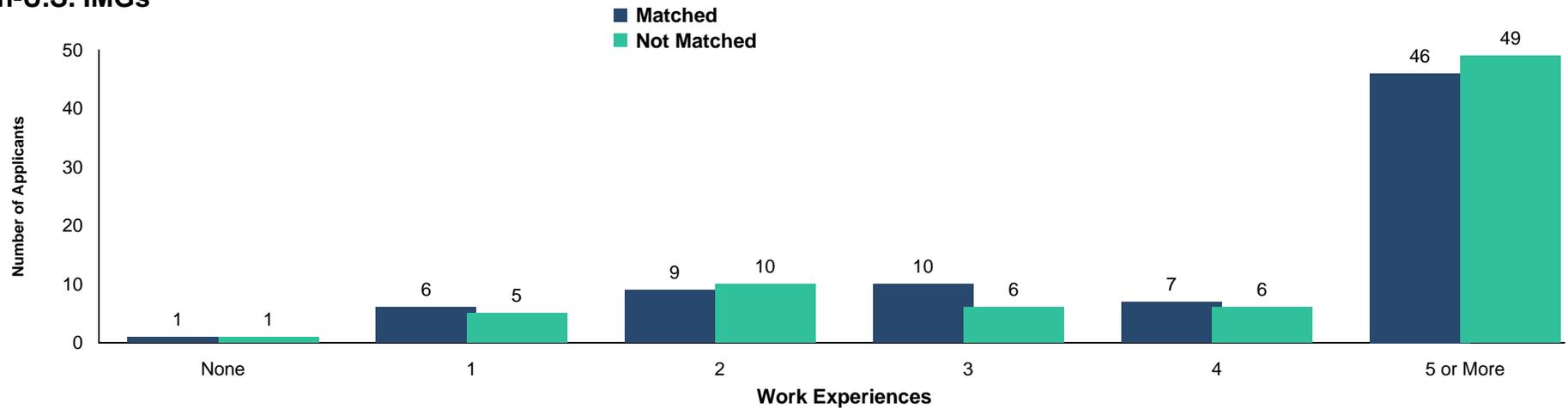
**Chart  
AN-7**

**Number of Work Experiences of International Medical Graduates  
Anesthesiology**

**U.S. IMGs**



**Non-U.S. IMGs**

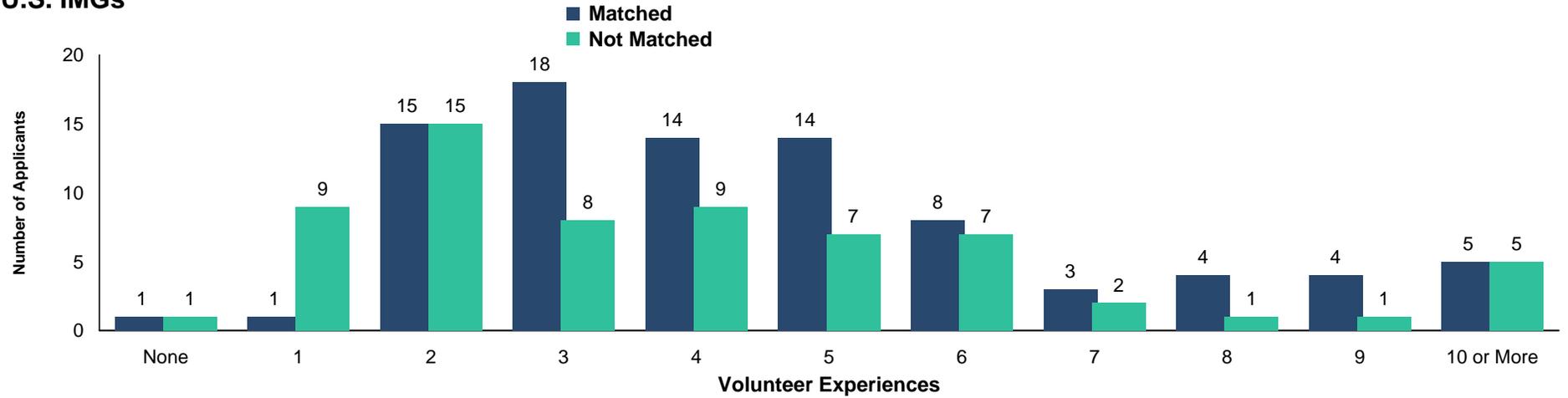


Source: NRMP Data Warehouse

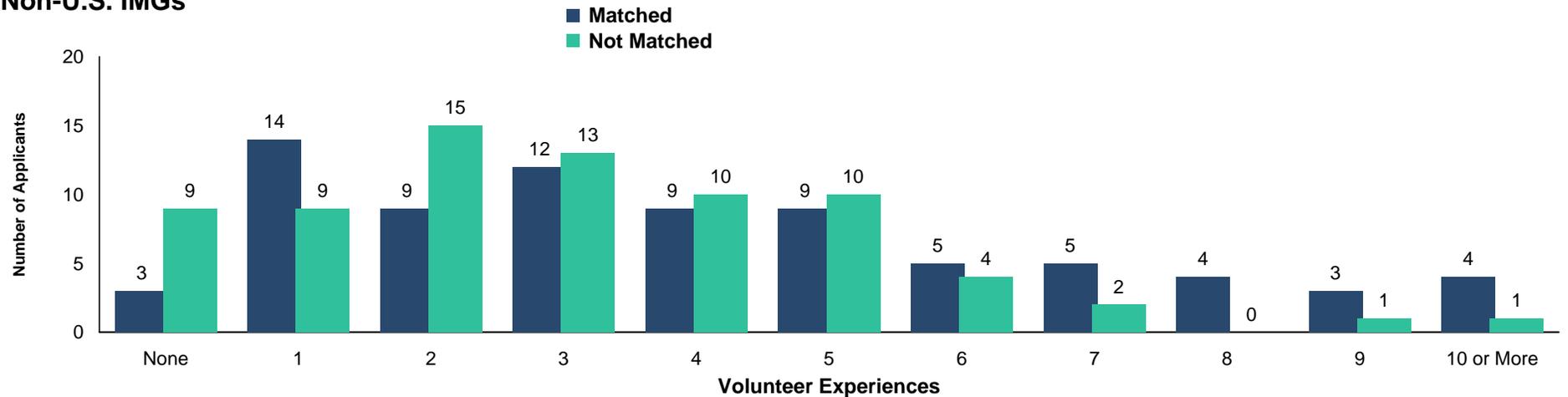
**Chart  
AN-8**

**Number of Volunteer Experiences of International Medical Graduates  
Anesthesiology**

**U.S. IMGs**



**Non-U.S. IMGs**



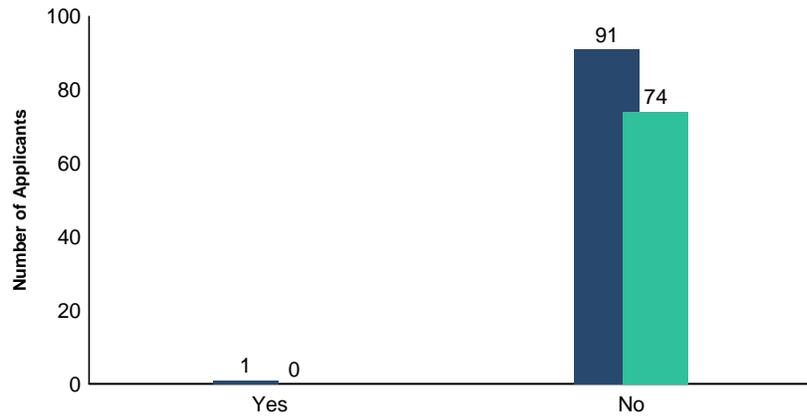
Source: NRMP Data Warehouse

**Chart  
AN-9**

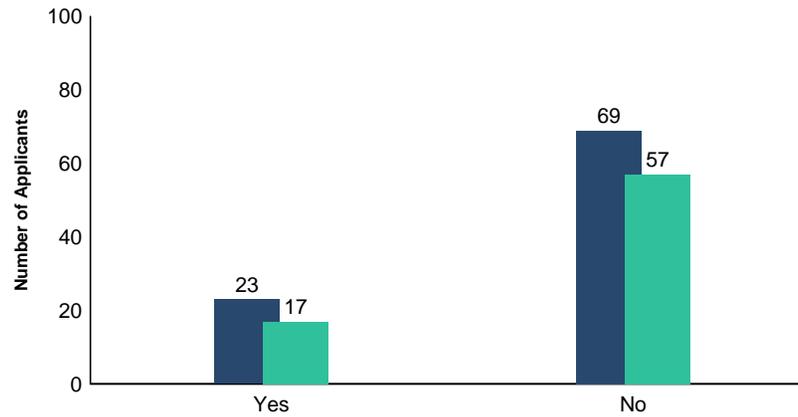
**Other Characteristics of International Medical Graduates  
Anesthesiology**

**U.S. IMGs**

**Ph.D. Degree**

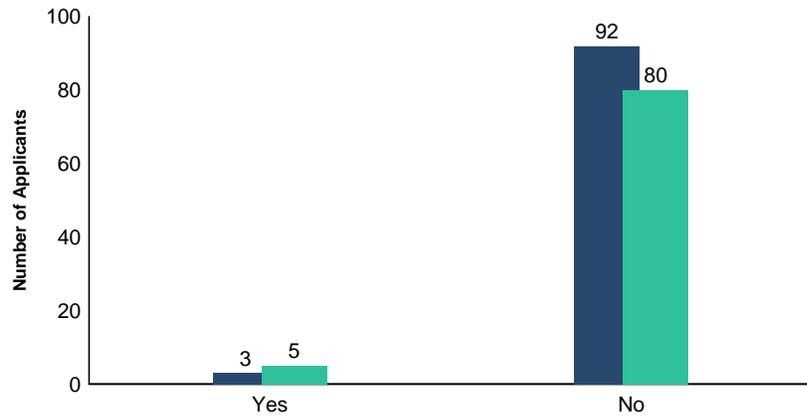


**Other Graduate Degree**

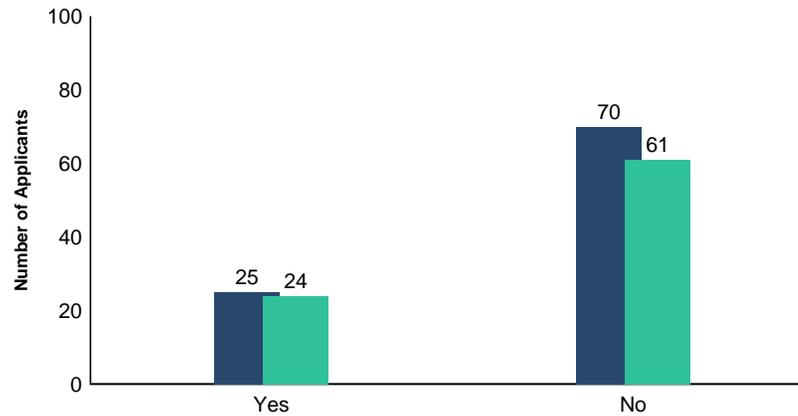


**Non-U.S. IMGs**

**Ph.D. Degree**



**Other Graduate Degree**



Source: NRMP Data Warehouse

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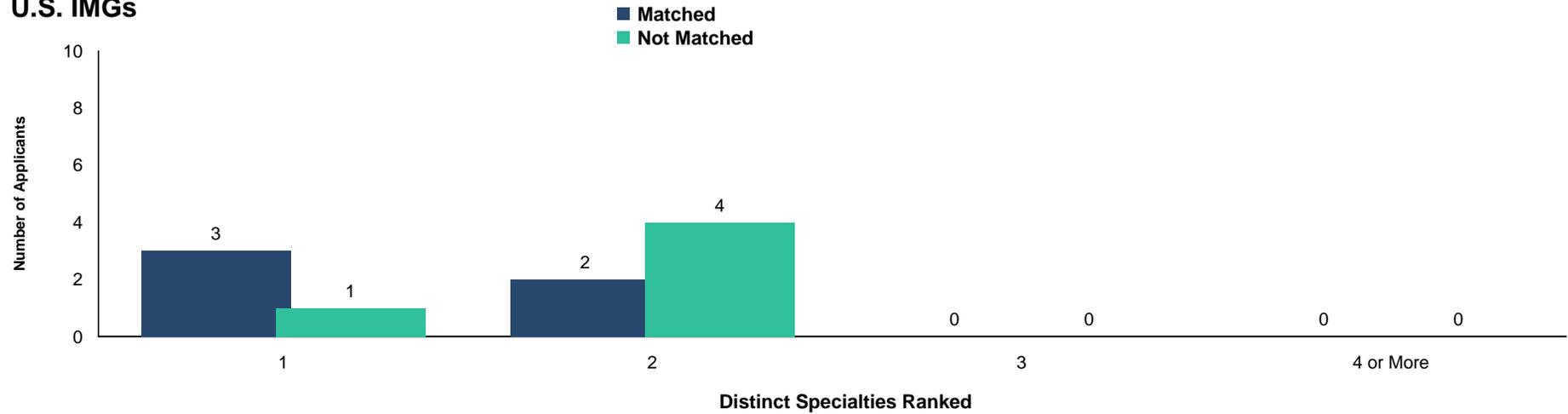
**CN** Child Neurology

Measure	U.S. IMGs		Non-U.S. IMGs	
	Matched (n=5)	Unmatched (n=5)	Matched (n=16)	Unmatched (n=12)
1. Mean number of contiguous ranks	5.6	1.2	6.1	2.2
2. Mean number of distinct specialties ranked	1.4	1.8	1.6	2.1
3. Mean USMLE Step 1 score	221	219	234	221
4. Mean USMLE Step 2 score	230	230	240	227
5. Mean number of research experiences	2.7	2.0	3.2	3.1
6. Mean number of abstracts, presentations, and publications	3.3	2.6	7.1	27.3
7. Mean number of work experiences	7.0	5.6	5.0	6.8
8. Mean number of volunteer experiences	7.0	4.0	3.9	4.1
9. Percentage who have a Ph.D. degree	0.0	0.0	7.7	9.1
10. Percentage who have another graduate degree	40.0	0.0	23.1	18.2

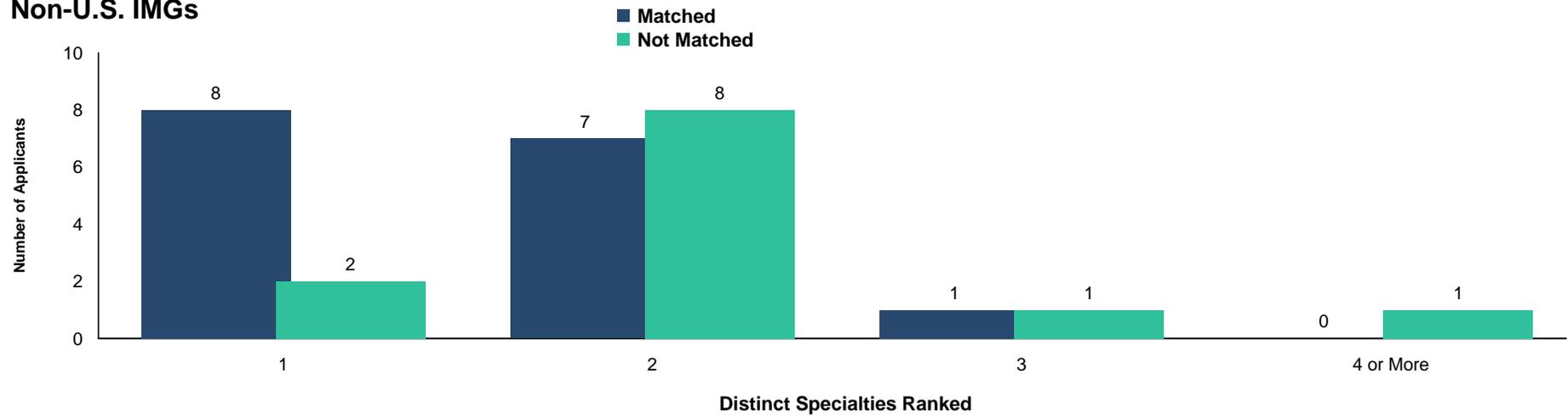
Note: Only applicants who gave consent to use their information in research are included.  
Source: NRMP Data Warehouse

# Number of Distinct Specialties Ranked by International Medical Graduates Child Neurology

## U.S. IMGs



## Non-U.S. IMGs

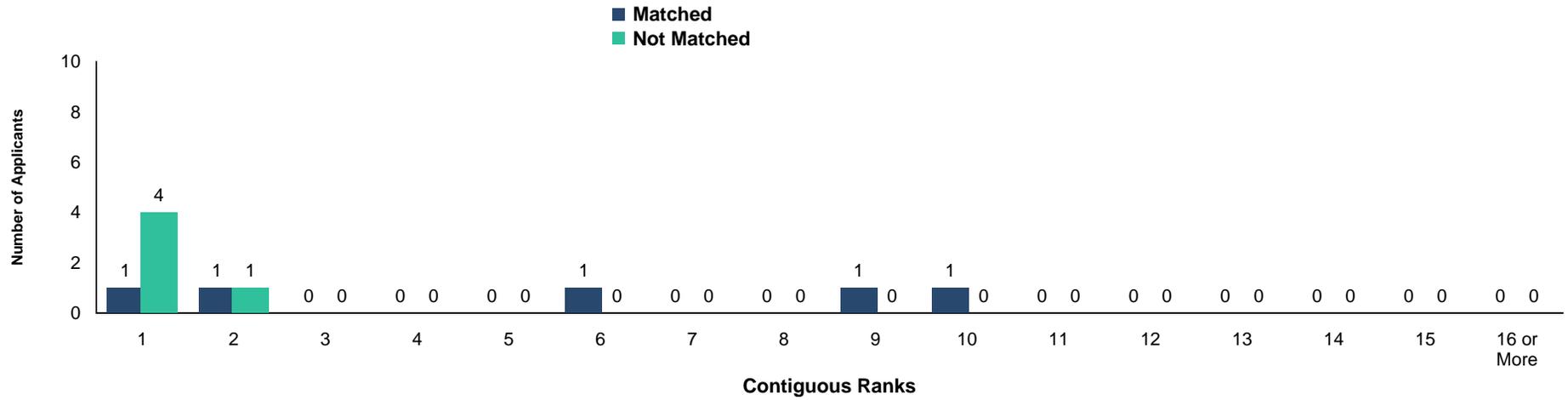


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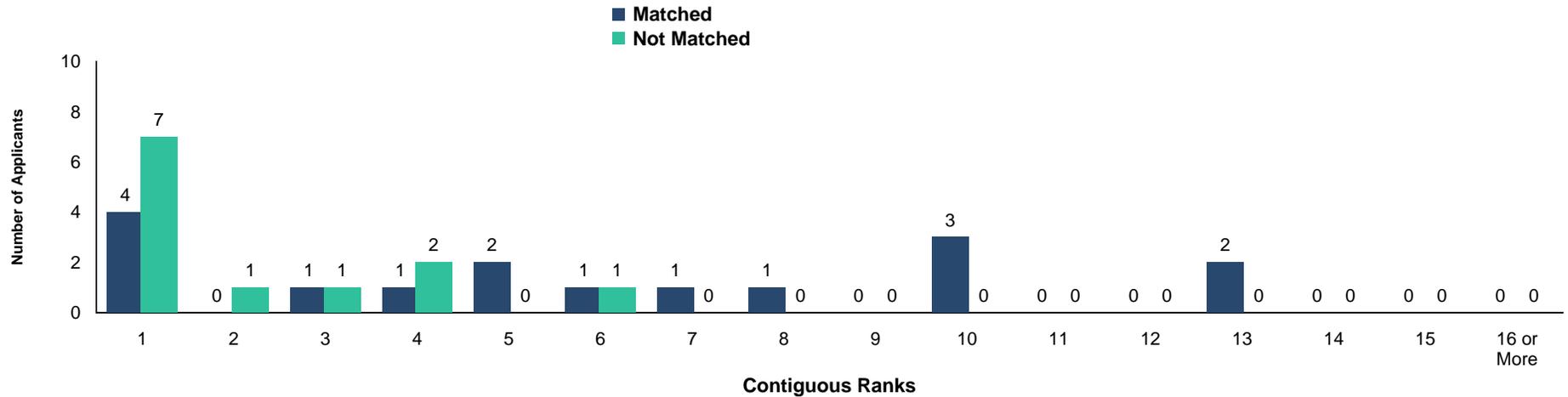
**Chart  
CN-2**

**Number of Contiguous Ranks of International Medical Graduates  
Child Neurology**

**U.S. IMGs**



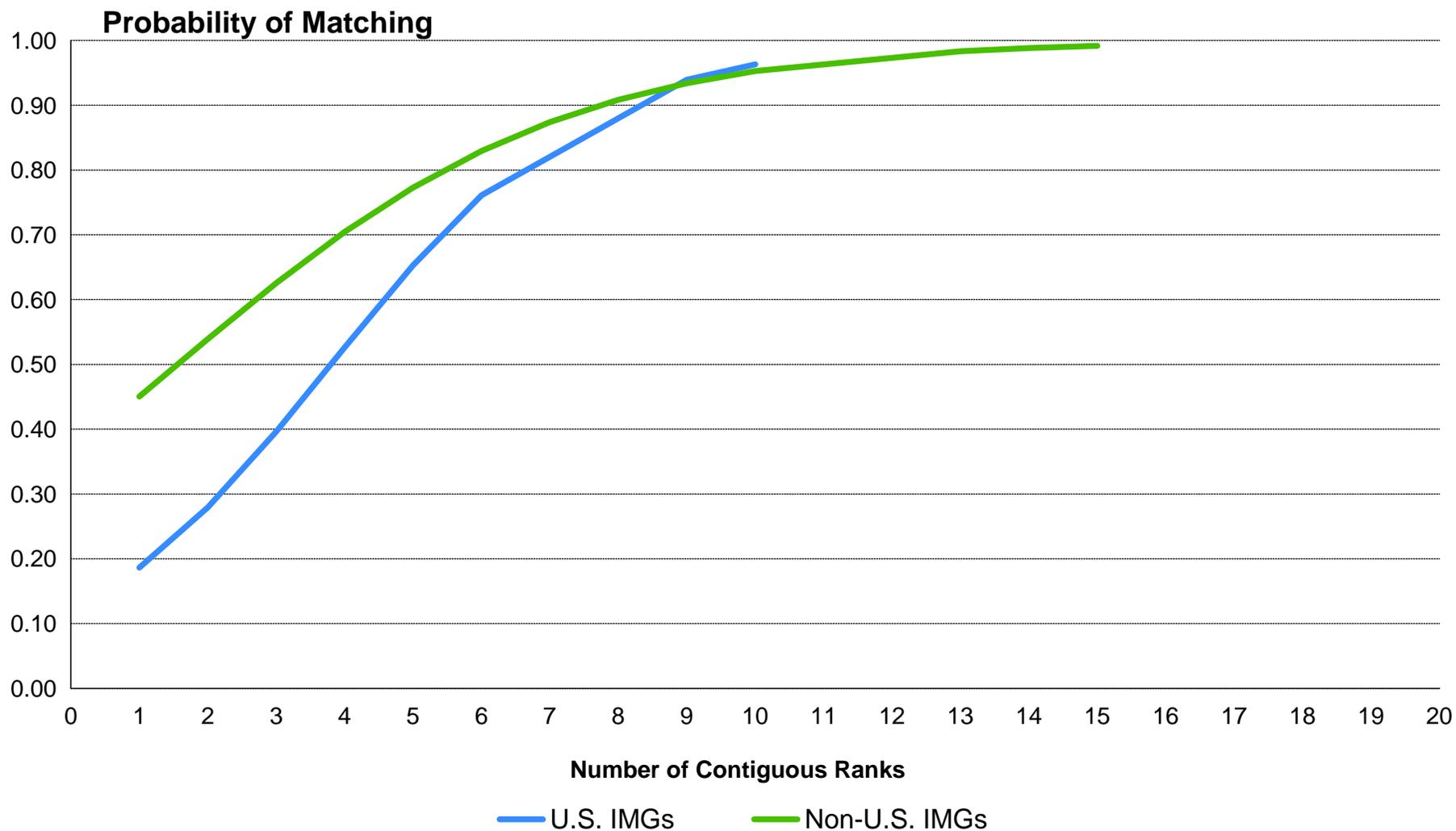
**Non-U.S. IMGs**



Source: NRMP Data Warehouse

**Graph  
CN-1**

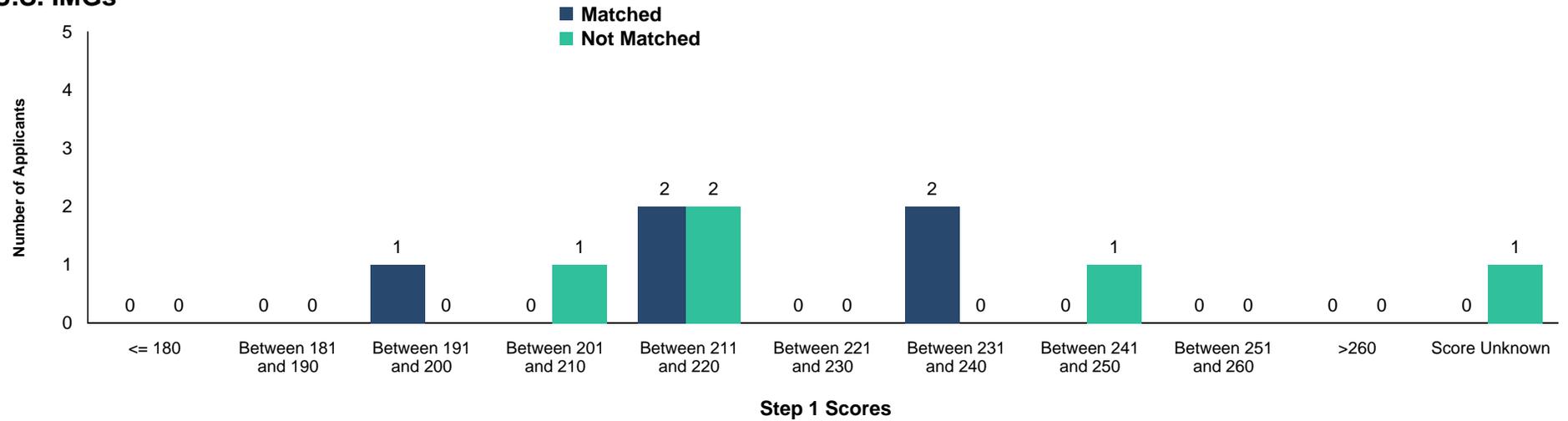
**Probability of International Medical Graduates Matching to Preferred Specialty by Number of Contiguous Ranks**  
*Child Neurology*



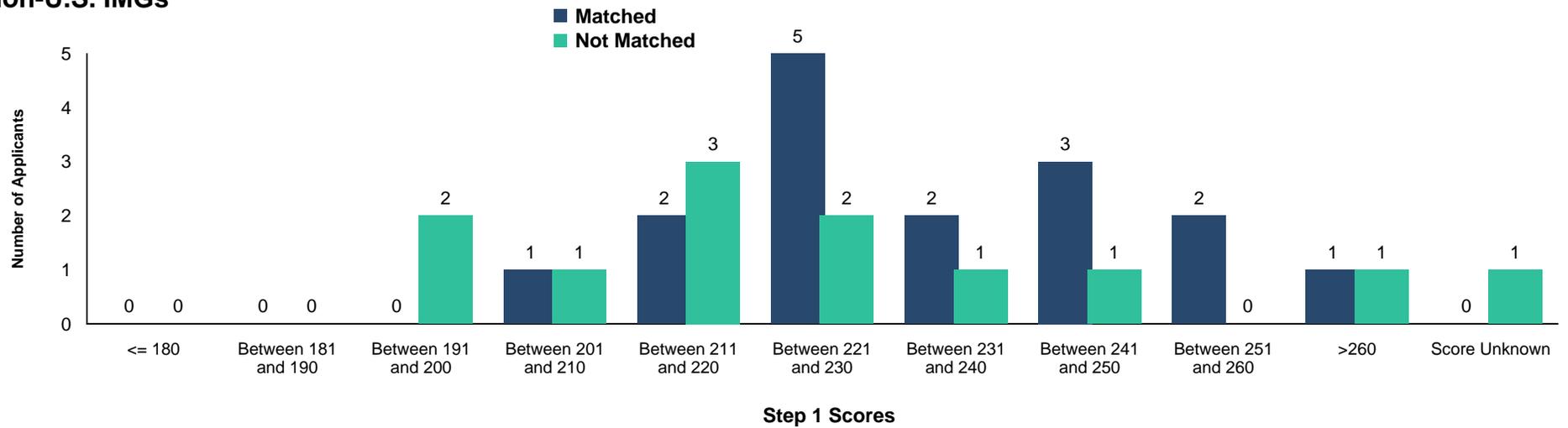
Source: NRMP Data Warehouse. Note: Probabilities calculated based on 2018-2020 applicants

**USMLE Step 1 Scores of International Medical Graduates**  
*Child Neurology*

**U.S. IMGs**



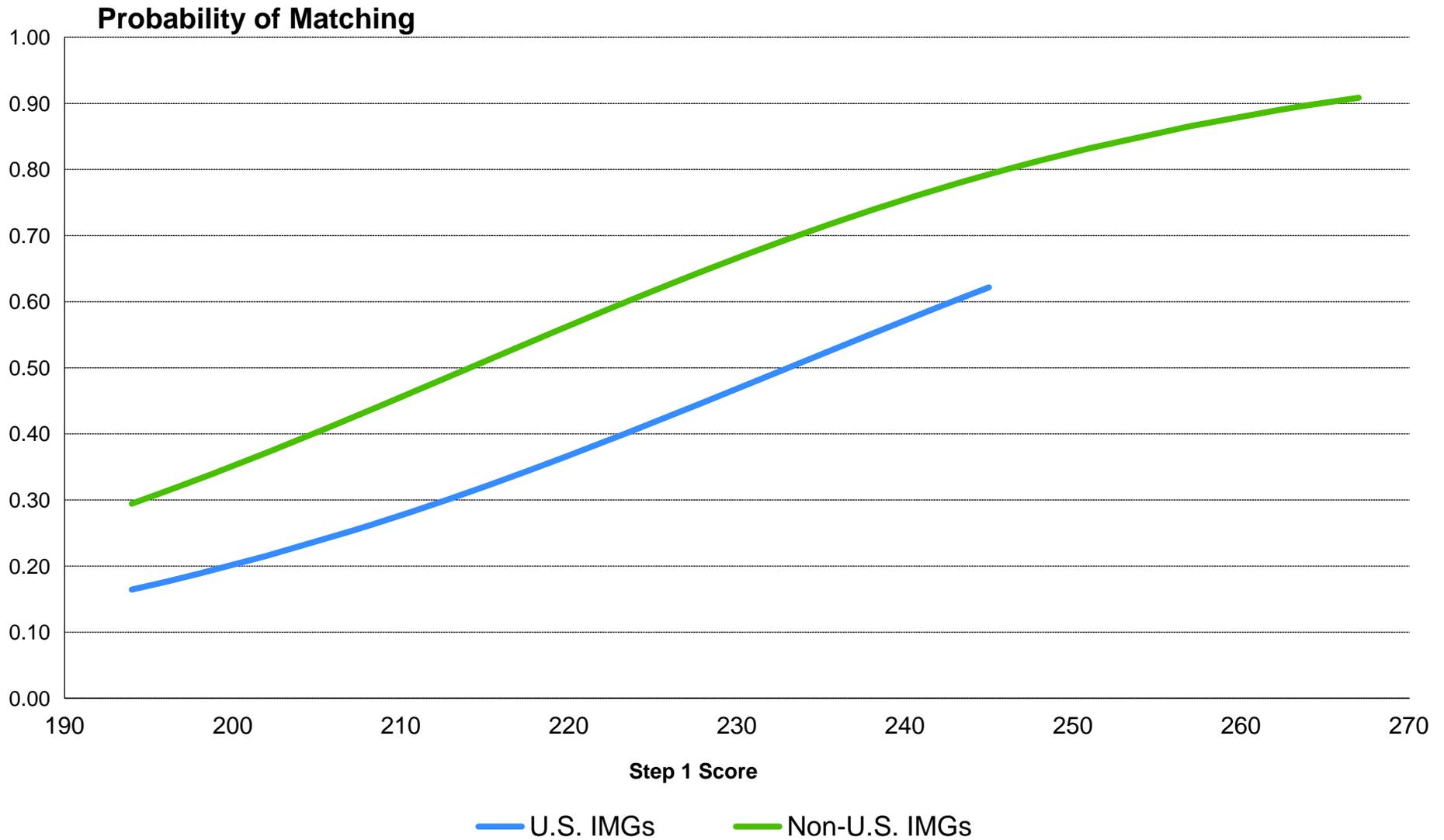
**Non-U.S. IMGs**



Source: NRMP Data Warehouse

**Graph  
CN-2**

**Probability of International Medical Graduates Matching to Preferred Specialty by USMLE Step 1 Score**  
*Child Neurology*

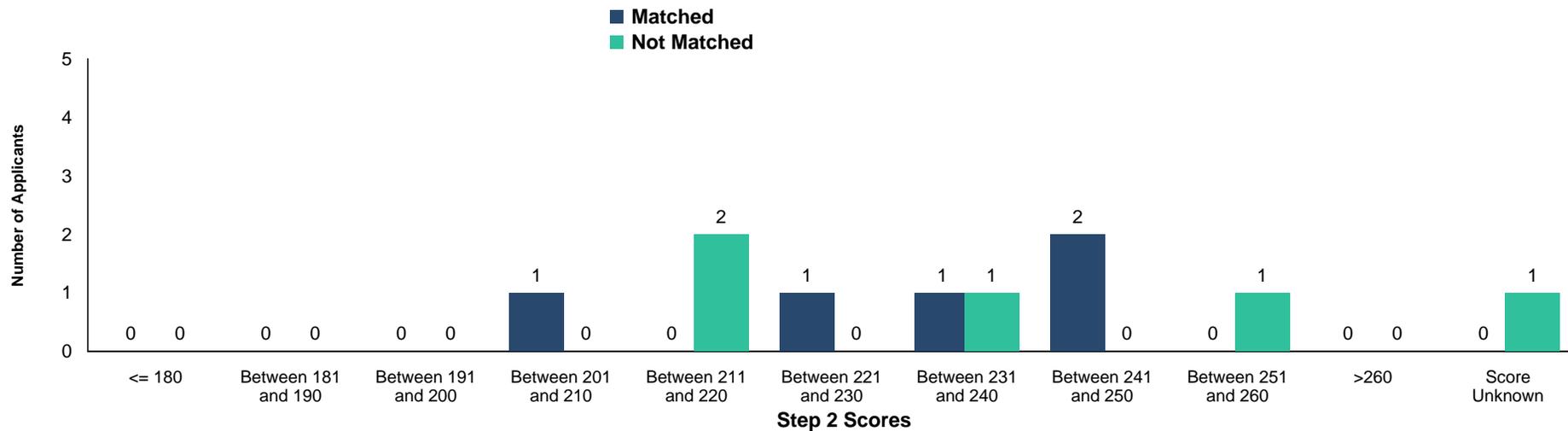


Source: NRMP Data Warehouse. Note: Probabilities calculated based on 2018-2020 applicants.

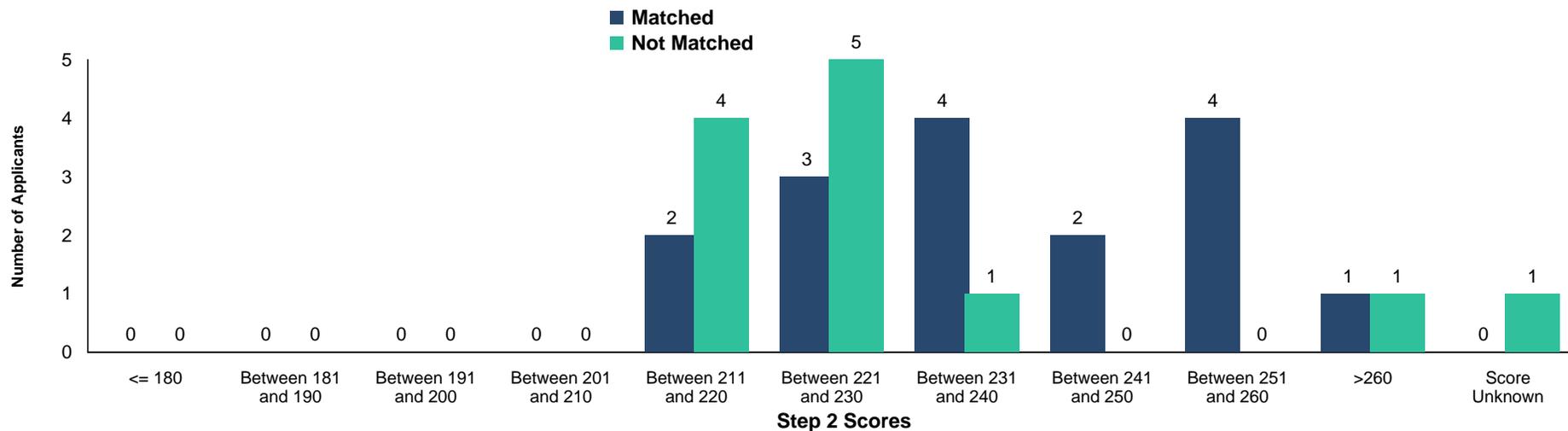
**Chart  
CN-4**

**USMLE Step 2 CK Scores of International Medical Graduates  
Child Neurology**

**U.S. IMGs**



**Non-U.S. IMGs**

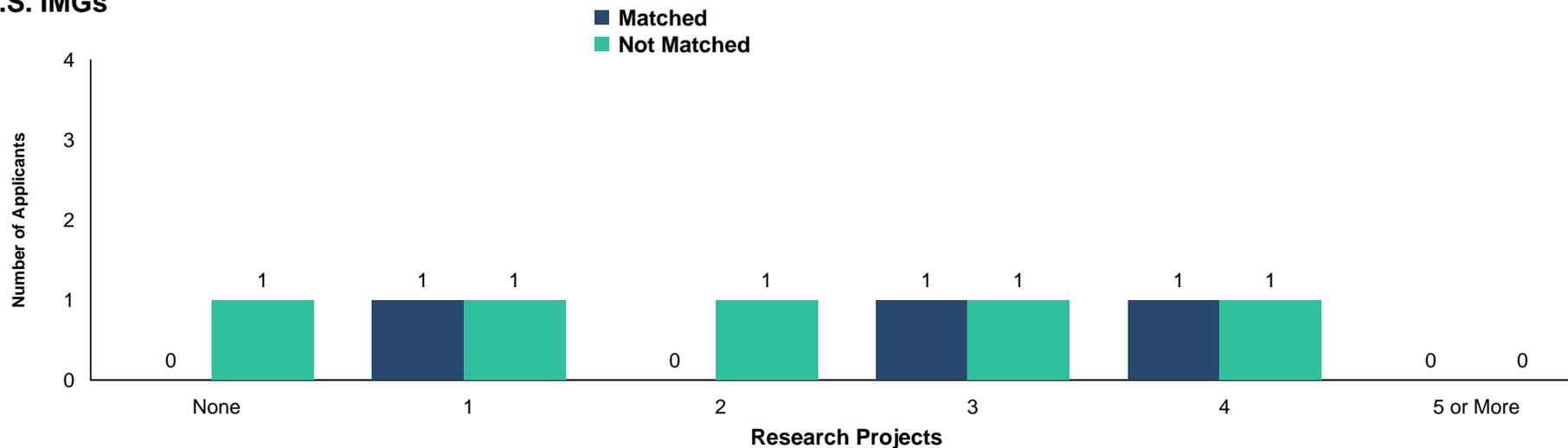


Source: NRMP Data Warehouse

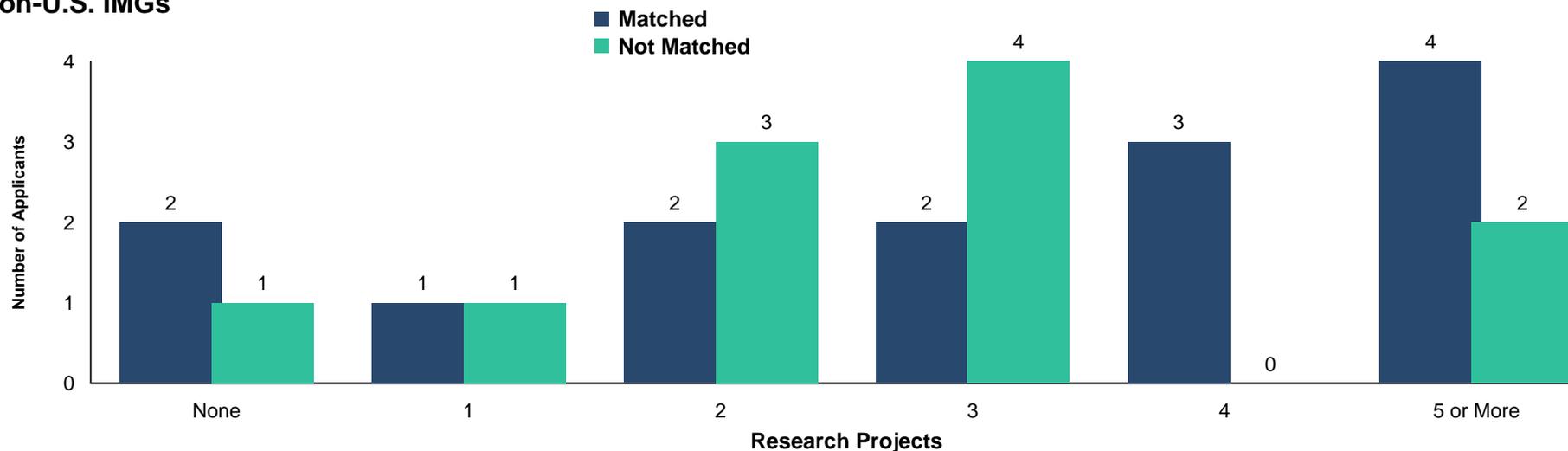
**Chart  
CN-5**

**Number of Research Projects of International Medical Graduates  
Child Neurology**

**U.S. IMGs**



**Non-U.S. IMGs**

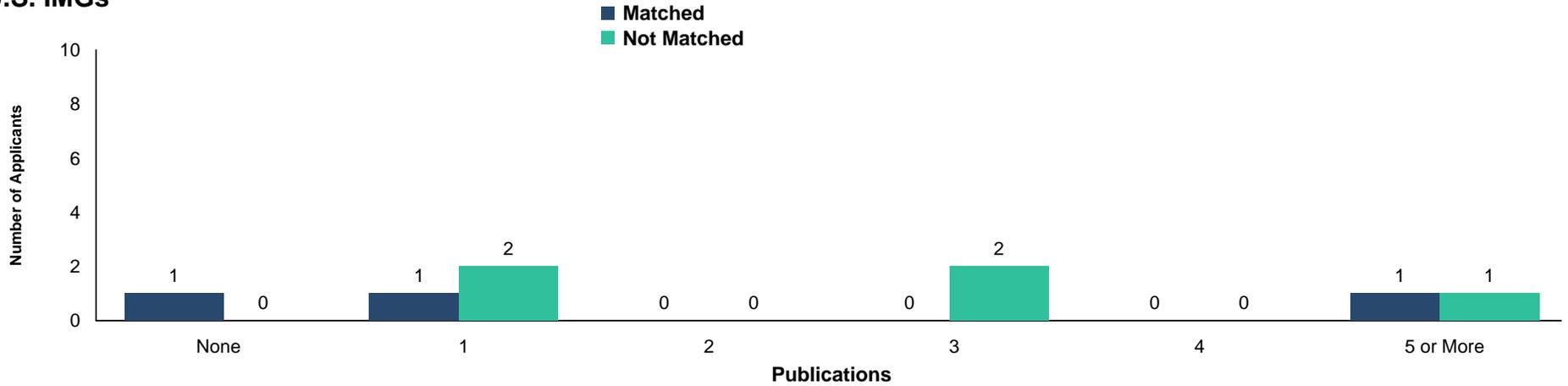


Source: NRMP Data Warehouse

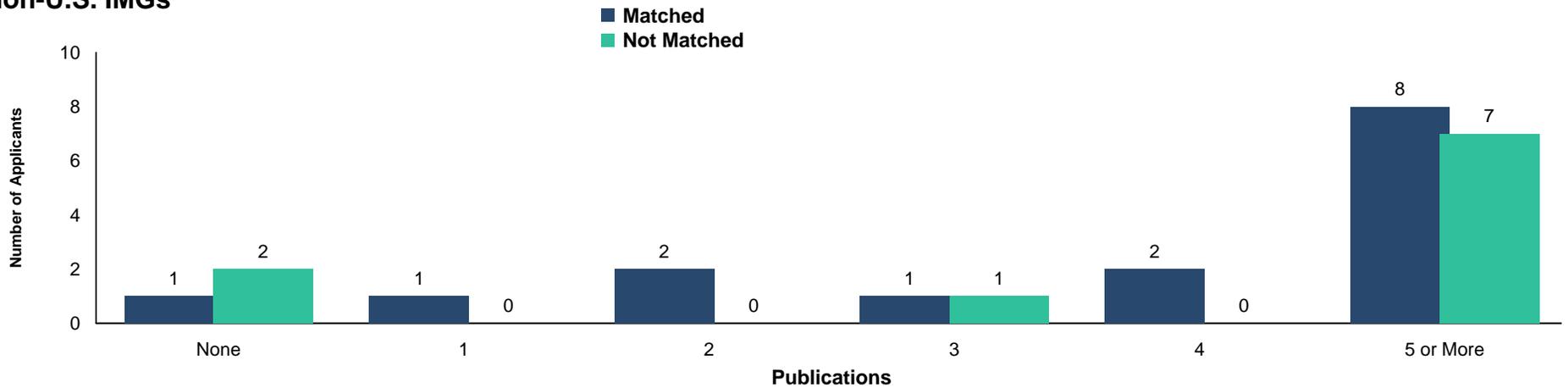
**Chart  
CN-6**

**Number of Abstracts, Presentations, and Publications of International Medical Graduates  
Child Neurology**

**U.S. IMGs**



**Non-U.S. IMGs**

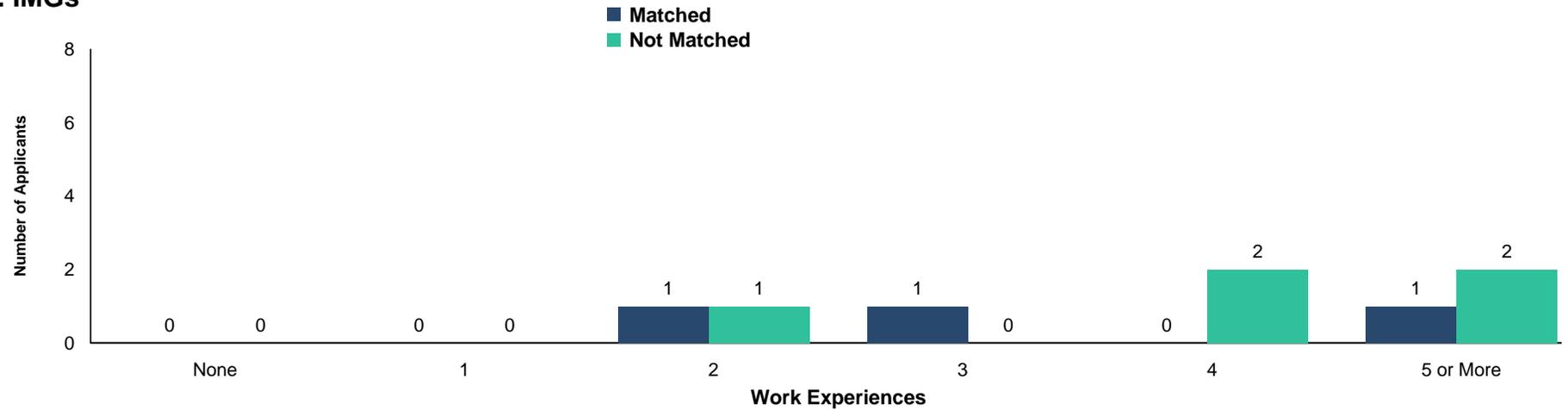


Source: NRMP Data Warehouse

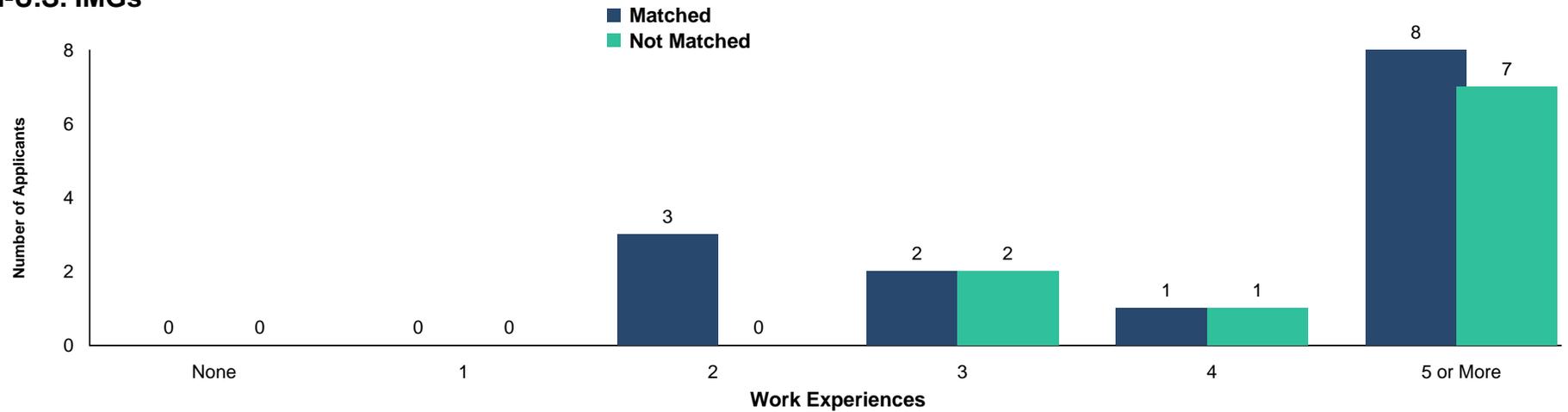
**Chart  
CN-7**

**Number of Work Experiences of International Medical Graduates  
Child Neurology**

**U.S. IMGs**



**Non-U.S. IMGs**

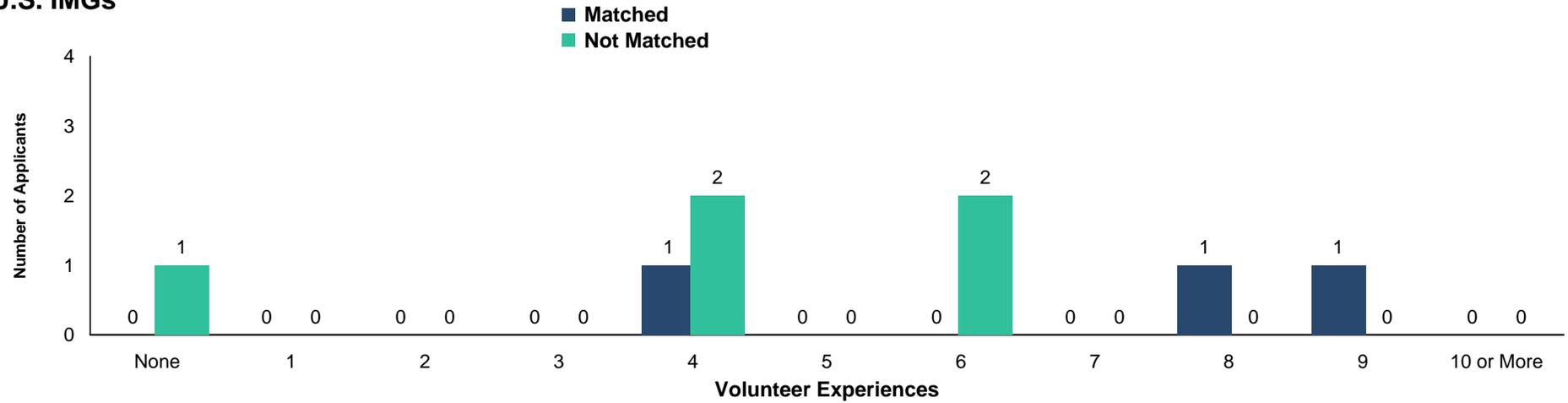


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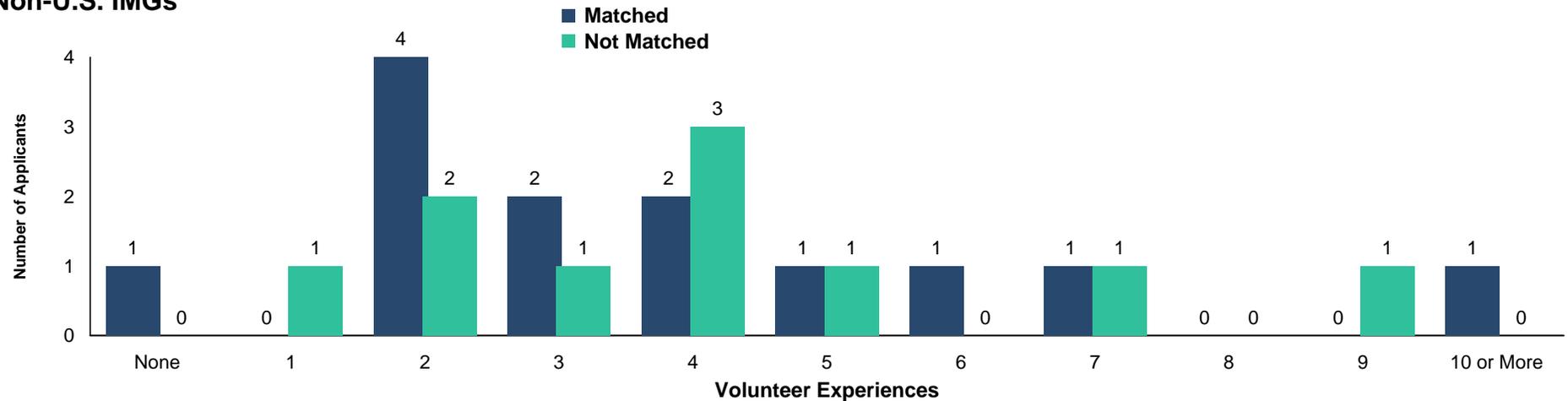
**Chart  
CN-8**

**Number of Volunteer Experiences of International Medical Graduates  
Child Neurology**

**U.S. IMGs**



**Non-U.S. IMGs**

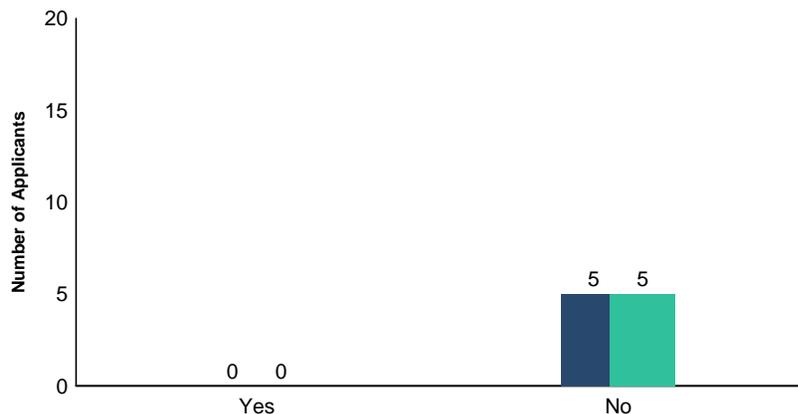


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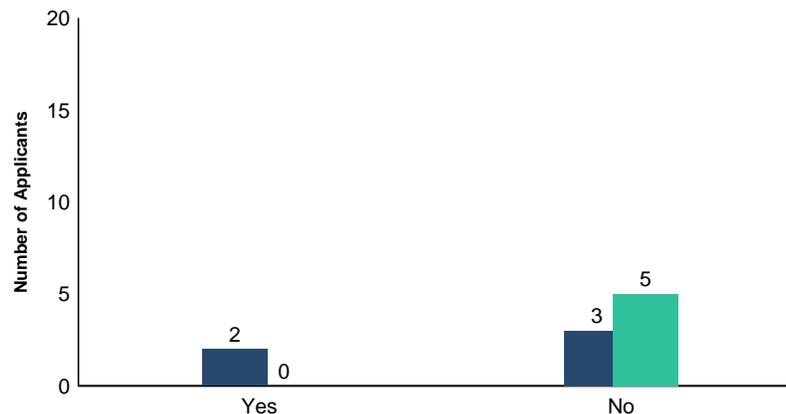
**Chart  
CN-9**

**Other Characteristics of International Medical Graduates  
Child Neurology**

**Ph.D. Degree**

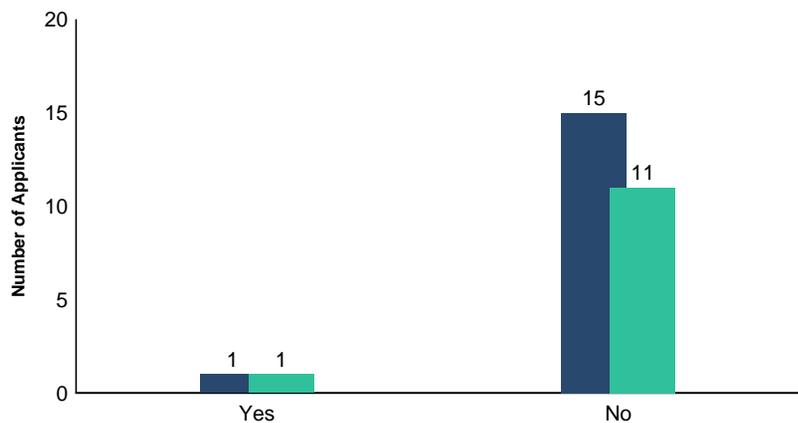


**Other Graduate Degree**

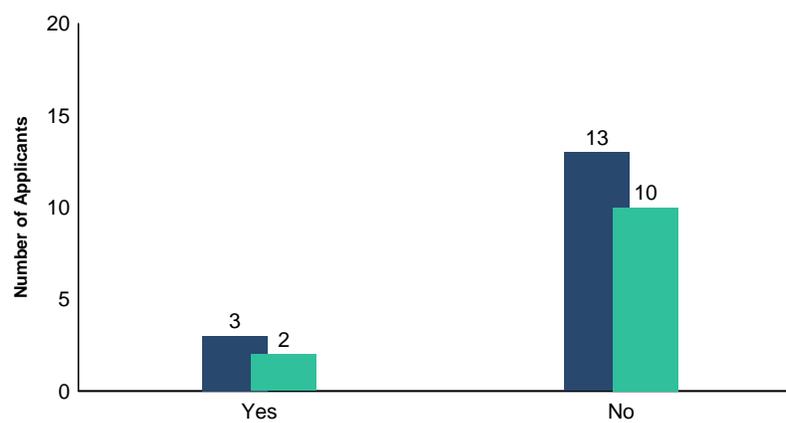


**Non-U.S. IMGs**

**Ph.D. Degree**



**Other Graduate Degree**



Source: NRMP Data Warehouse

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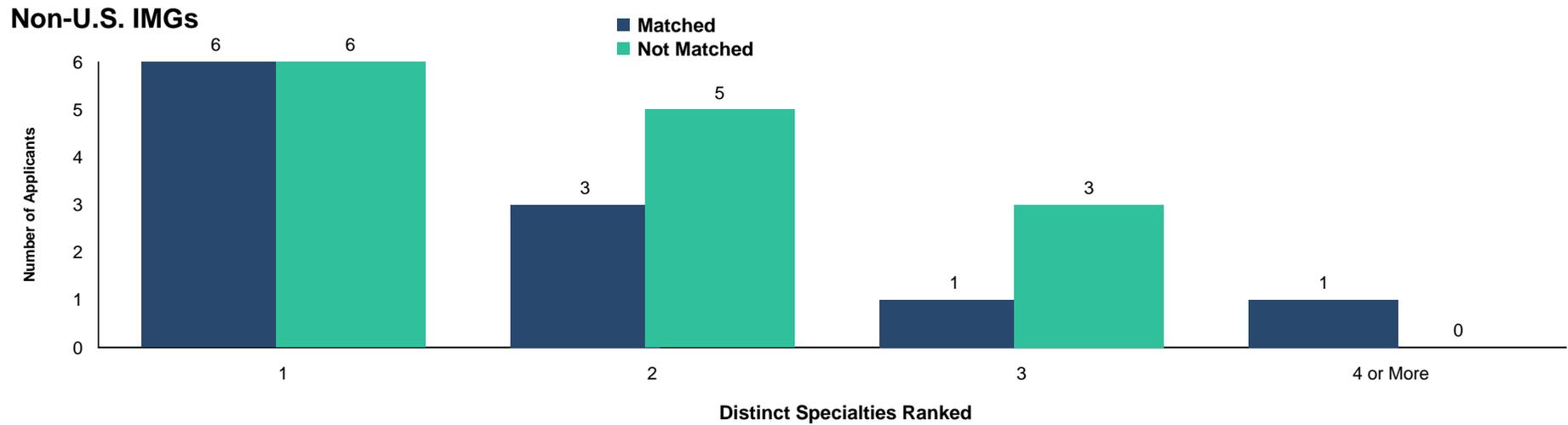
**DM** Dermatology

**Table DM-1** **Summary Statistics**  
*Dermatology*

Measure	U.S. IMGs	Non-U.S. IMGs	
	Data not shown due to the small sample size	Matched (n=11)	Unmatched (n=14)
1. Mean number of contiguous ranks		3.5	3.2
2. Mean number of distinct specialties ranked		1.7	1.8
3. Mean USMLE Step 1 score		241	239
4. Mean USMLE Step 2 score		247	247
5. Mean number of research experiences		5.4	4.3
6. Mean number of abstracts, presentations, and publications		34.8	25.4
7. Mean number of work experiences		5.7	6.8
8. Mean number of volunteer experiences		4.4	6.8
9. Percentage who have a Ph.D. degree		18.2	16.7
10. Percentage who have another graduate degree		36.4	61.5

Note: Only applicants who gave consent to use their information in research are included.  
Source: NRMP Data Warehouse

## Number of Distinct Specialties Ranked by International Medical Graduates Dermatology

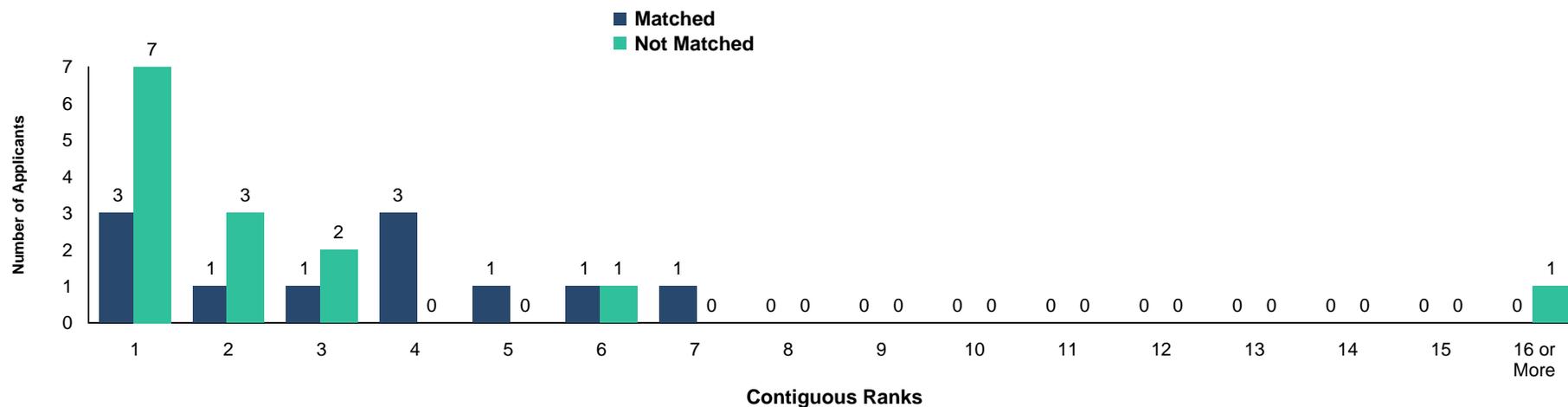


**Note:** Data for U.S. IMGs are not shown due to the small sample size.

**Chart  
DM-2**

**Number of Contiguous Ranks of International Medical Graduates  
Dermatology**

**Non-U.S. IMGs**

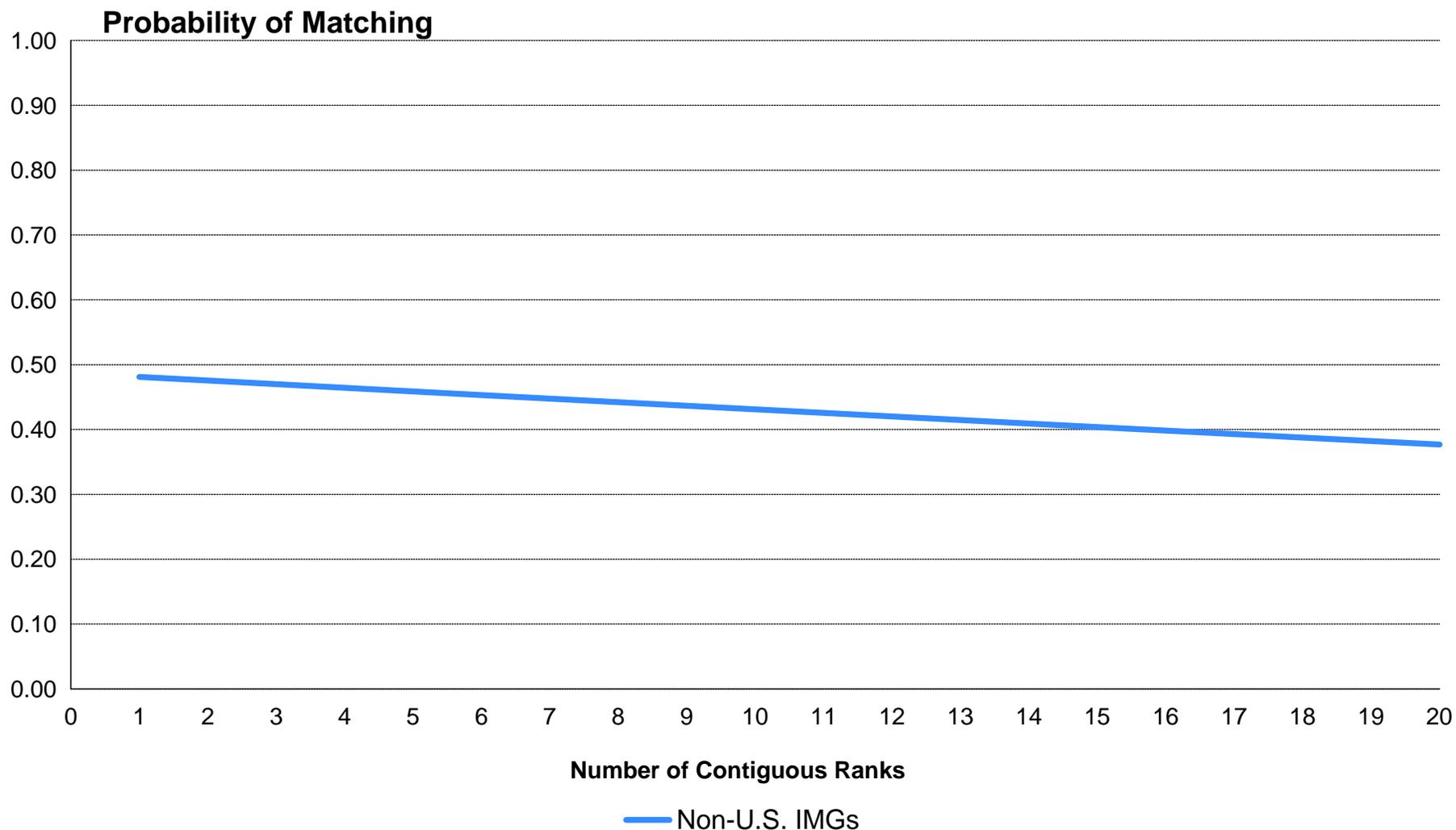


**Note: Data for U.S. IMGs are not shown due to the small sample size.**

Source: NRMP Data Warehouse

**Graph  
DM-1**

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



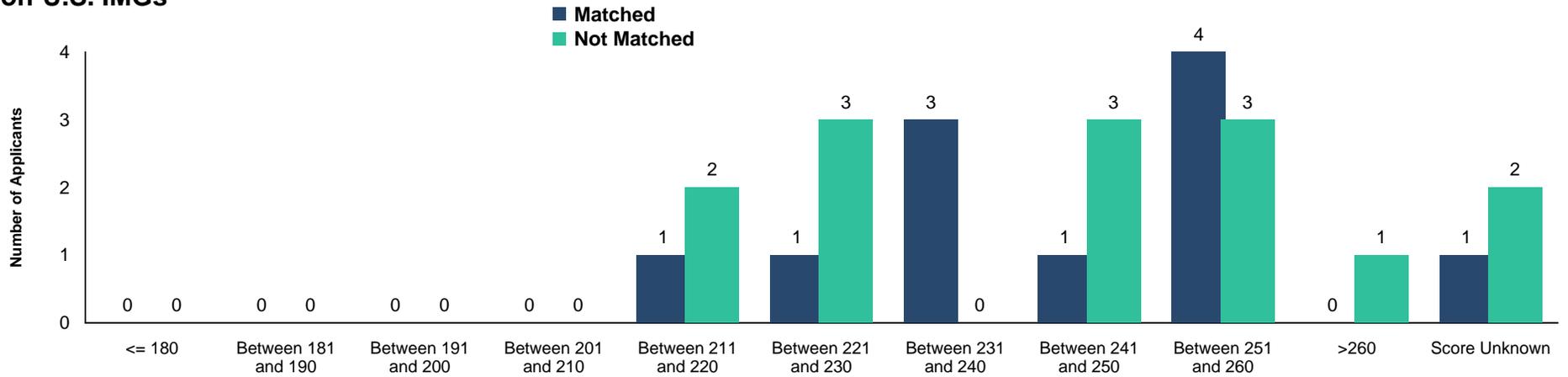
**Note: Data for U.S. IMGs are not shown due to the small sample size.**

Source: NRMP Data Warehouse. Note: Probabilities calculated based on 2018-2020 applicants

**Chart  
DM-3**

**USMLE Step 1 Scores of International Medical Graduates  
Dermatology**

**Non-U.S. IMGs**

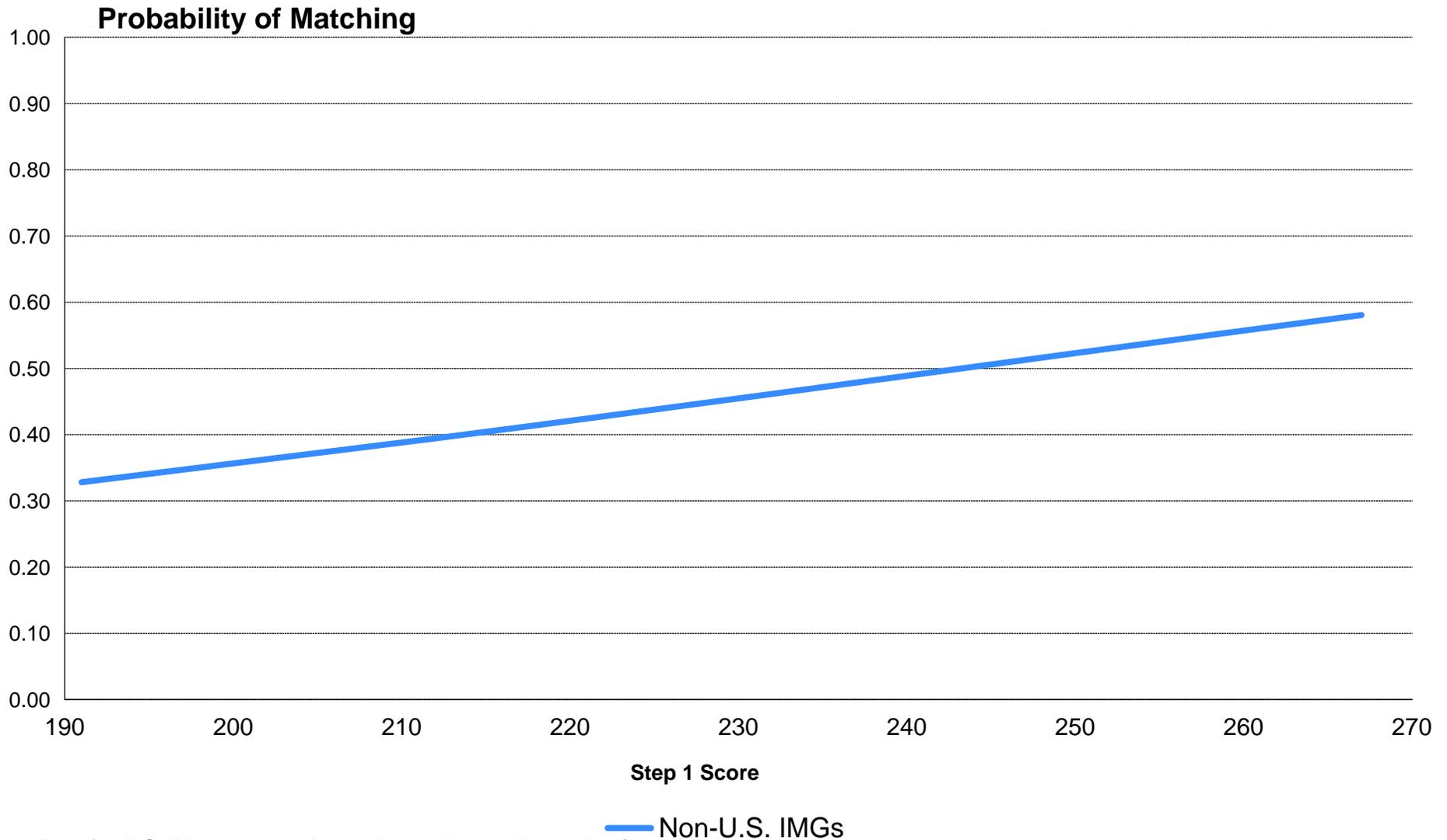


**Note: Data for U.S. IMGs are not shown due to the small sample size.**      **Step 1 Scores**

Source: NRMP Data Warehouse

**Graph  
DM-2**

**Probability of International Medical Graduates Matching to Preferred Specialty by USMLE Step 1 Score**  
*Dermatology*



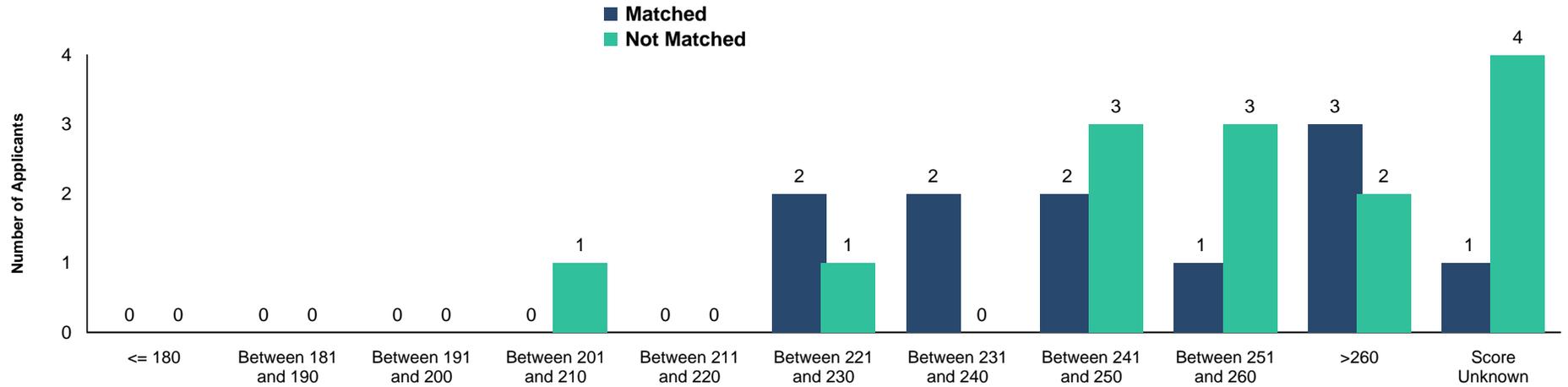
**Note: Data for U.S. IMGs are not shown due to the small sample size.**

Source: NRMP Data Warehouse. Note: Probabilities calculated based on 2018-2020 applicants.

**Chart  
DM-4**

**USMLE Step 2 CK Scores of International Medical Graduates  
Dermatology**

**Non-U.S. IMGs**



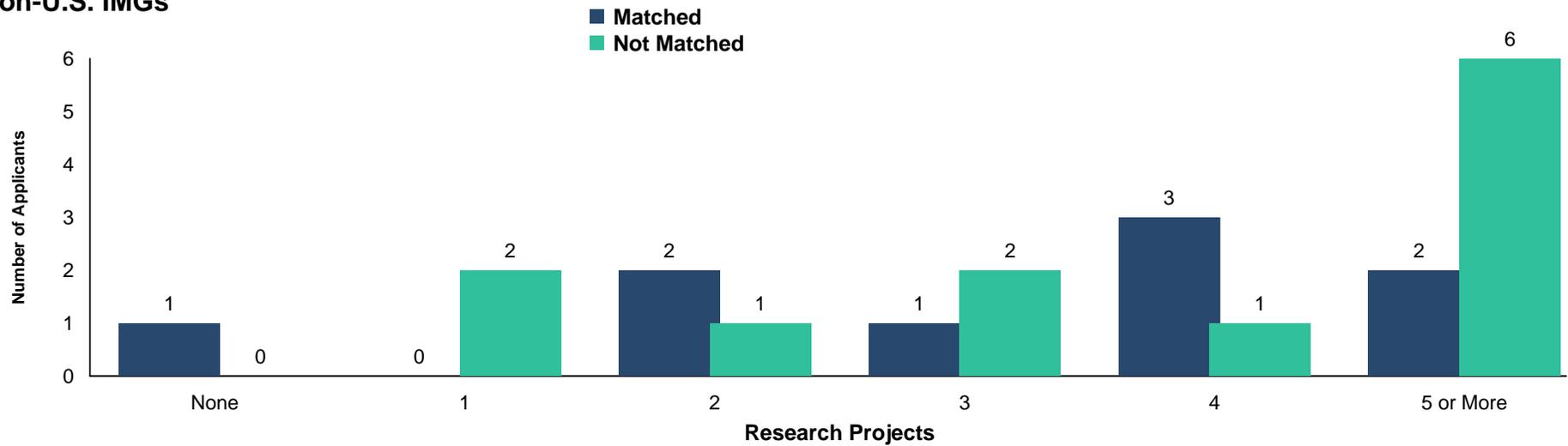
**Note: Data for U.S. IMGs are not shown due to the small sample size.**

**Step 2 Scores**

Source: NRMP Data Warehouse

**Number of Research Projects of International Medical Graduates  
Dermatology**

**Non-U.S. IMGs**

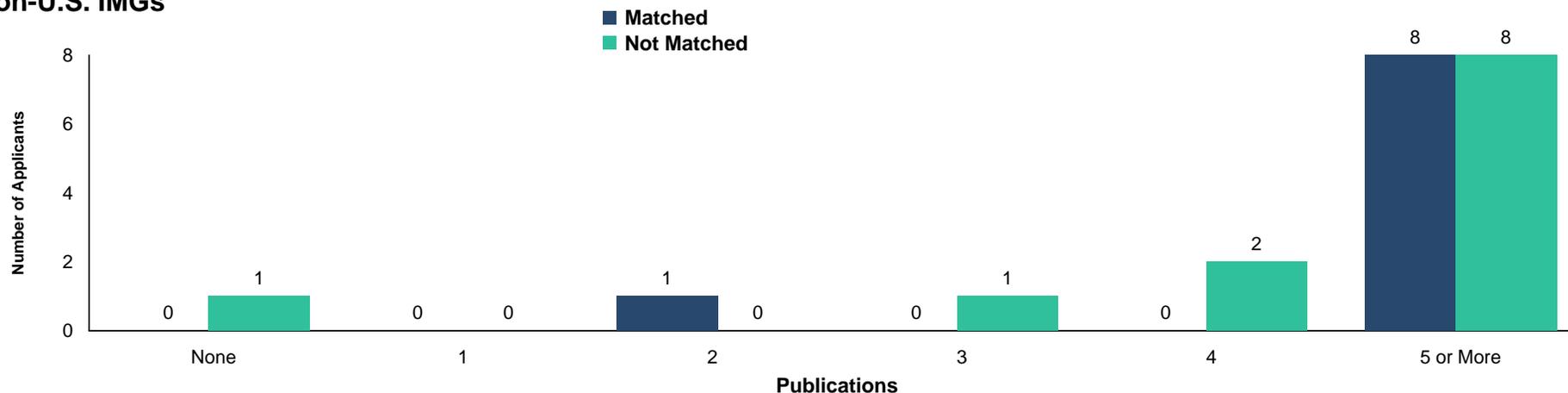


**Note: Data for U.S. IMGs are not shown due to the small sample size.**

**Chart  
DM-6**

**Number of Abstracts, Presentations, and Publications of International Medical Graduates  
Dermatology**

**Non-U.S. IMGs**



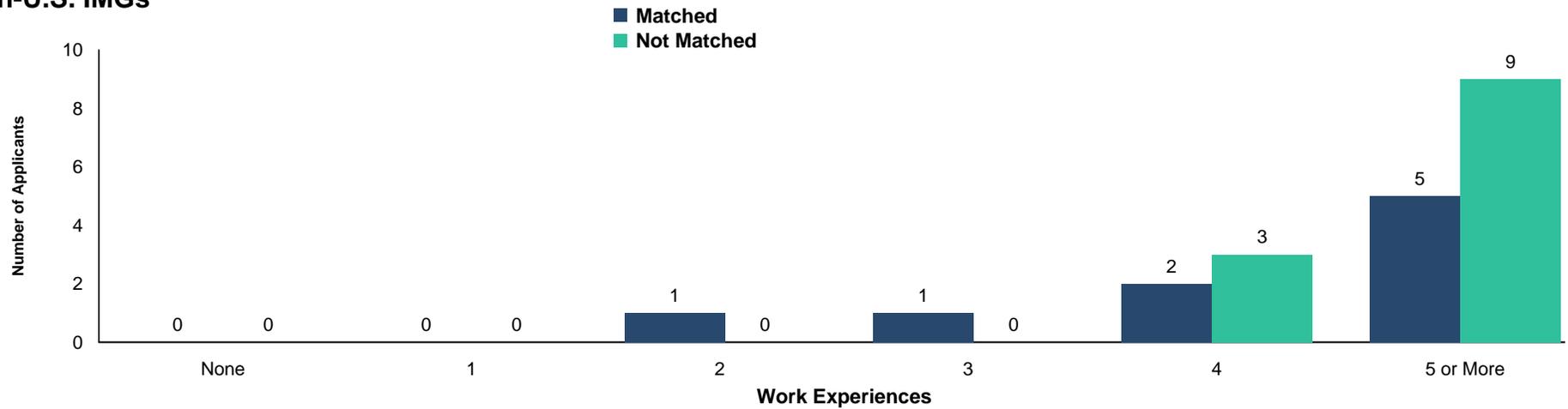
**Note: Data for U.S. IMGs are not shown due to the small sample size.**

Source: NRMP Data Warehouse

**Chart  
DM-7**

**Number of Work Experiences of International Medical Graduates  
Dermatology**

**Non-U.S. IMGs**

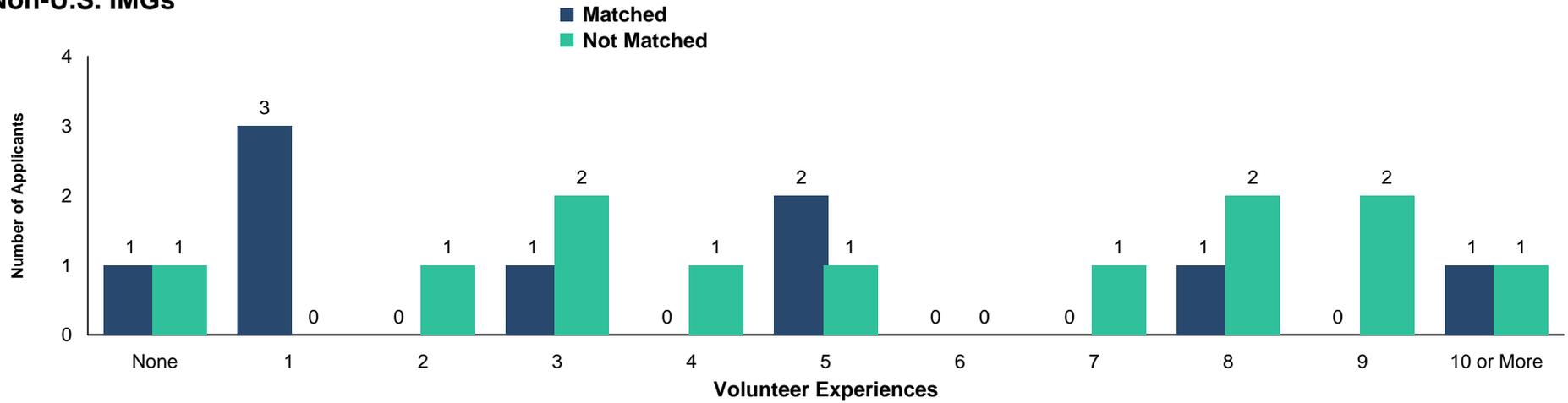


**Note:** Data for U.S. IMGs are not shown due to the small sample size.

**Chart  
DM-8**

**Number of Volunteer Experiences of International Medical Graduates  
Dermatology**

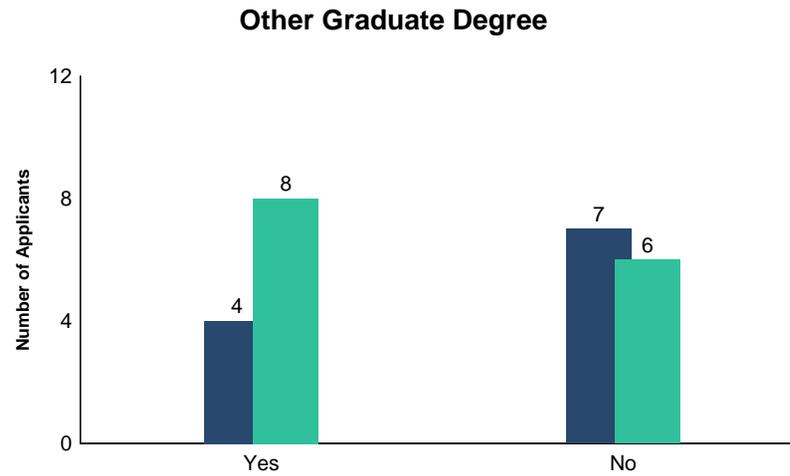
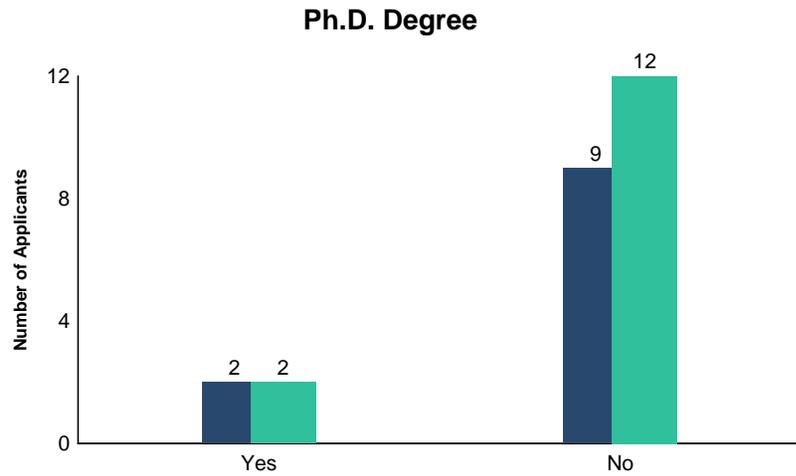
**Non-U.S. IMGs**



**Note: Data for U.S. IMGs are not shown due to the small sample size.**

Source: NRMP Data Warehouse

**Non-U.S. IMGs**



**Note: Data for U.S. IMGs are not shown due to the small sample size.**

Source: NRMP Data Warehouse

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**DR** Diagnostic Radiology

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

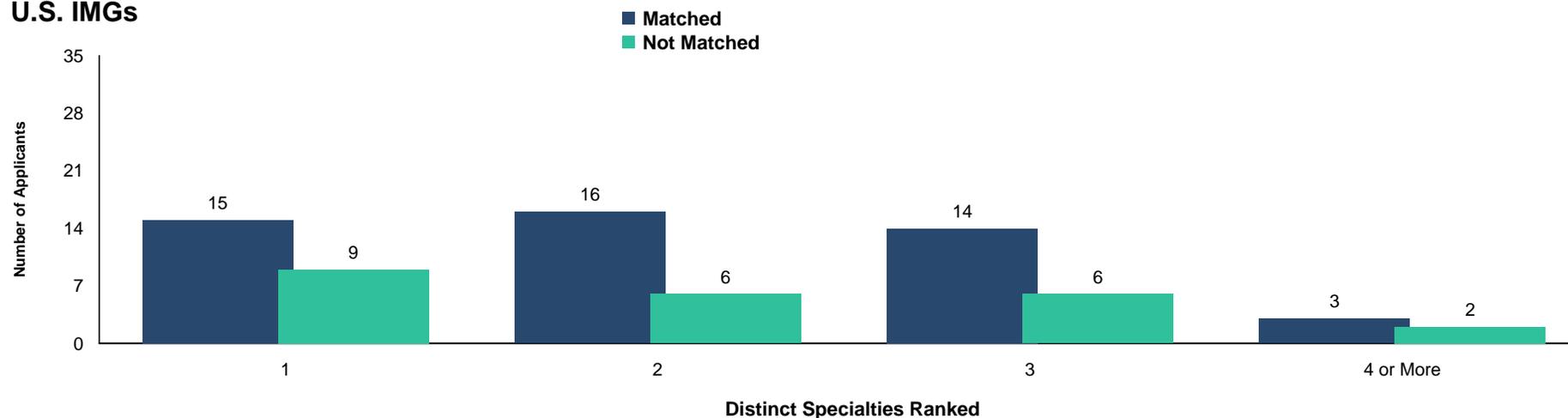
Measure	U.S. IMGs		Non-U.S. IMGs	
	Matched (n=48)	Unmatched (n=24)	Matched (n=94)	Unmatched (n=52)
1. Mean number of contiguous ranks	8.6	2.2	4.9	2.3
2. Mean number of distinct specialties ranked	2.1	2.2	2.2	2.2
3. Mean USMLE Step 1 score	241	228	239	234
4. Mean USMLE Step 2 score	247	234	242	240
5. Mean number of research experiences	2.4	1.6	3.0	2.5
6. Mean number of abstracts, presentations, and publications	3.3	4.6	16.2	9.6
7. Mean number of work experiences	2.9	5.7	5.1	5.7
8. Mean number of volunteer experiences	4.0	3.8	3.3	2.9
9. Percentage who have a Ph.D. degree	2.2	0.0	3.4	2.1
10. Percentage who have another graduate degree	32.6	36.4	19.5	25.0

Note: Only applicants who gave consent to use their information in research are included.  
Source: NRMP Data Warehouse

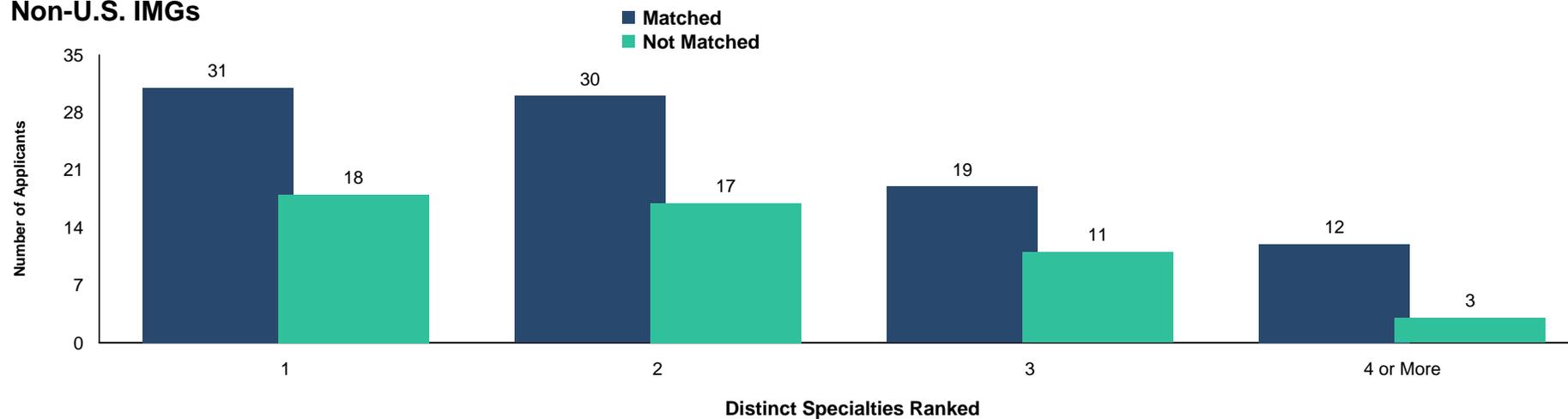
**Chart  
DR-1**

**Number of Distinct Specialties Ranked by International Medical Graduates  
Diagnostic Radiology**

**U.S. IMGs**



**Non-U.S. IMGs**

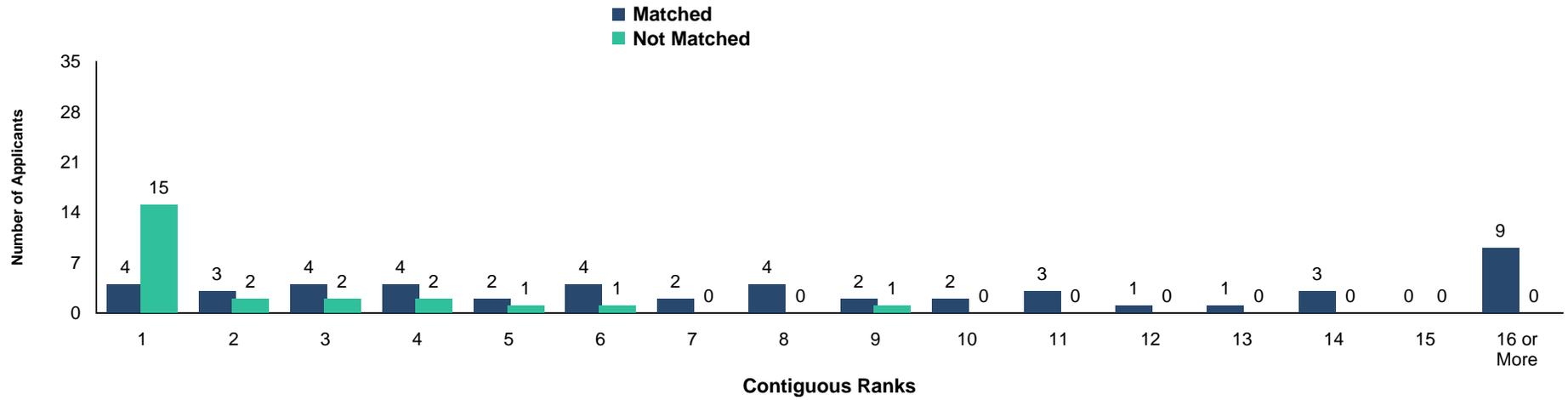


Source: NRMP Data Warehouse

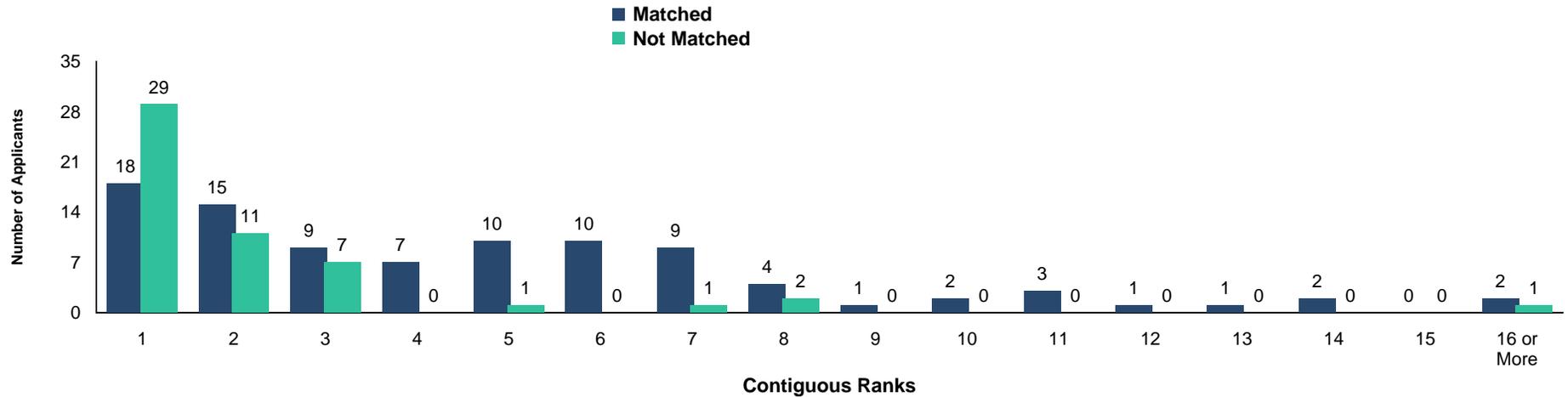
**Chart  
DR-2**

**Number of Contiguous Ranks of International Medical Graduates  
Diagnostic Radiology**

**U.S. IMGs**



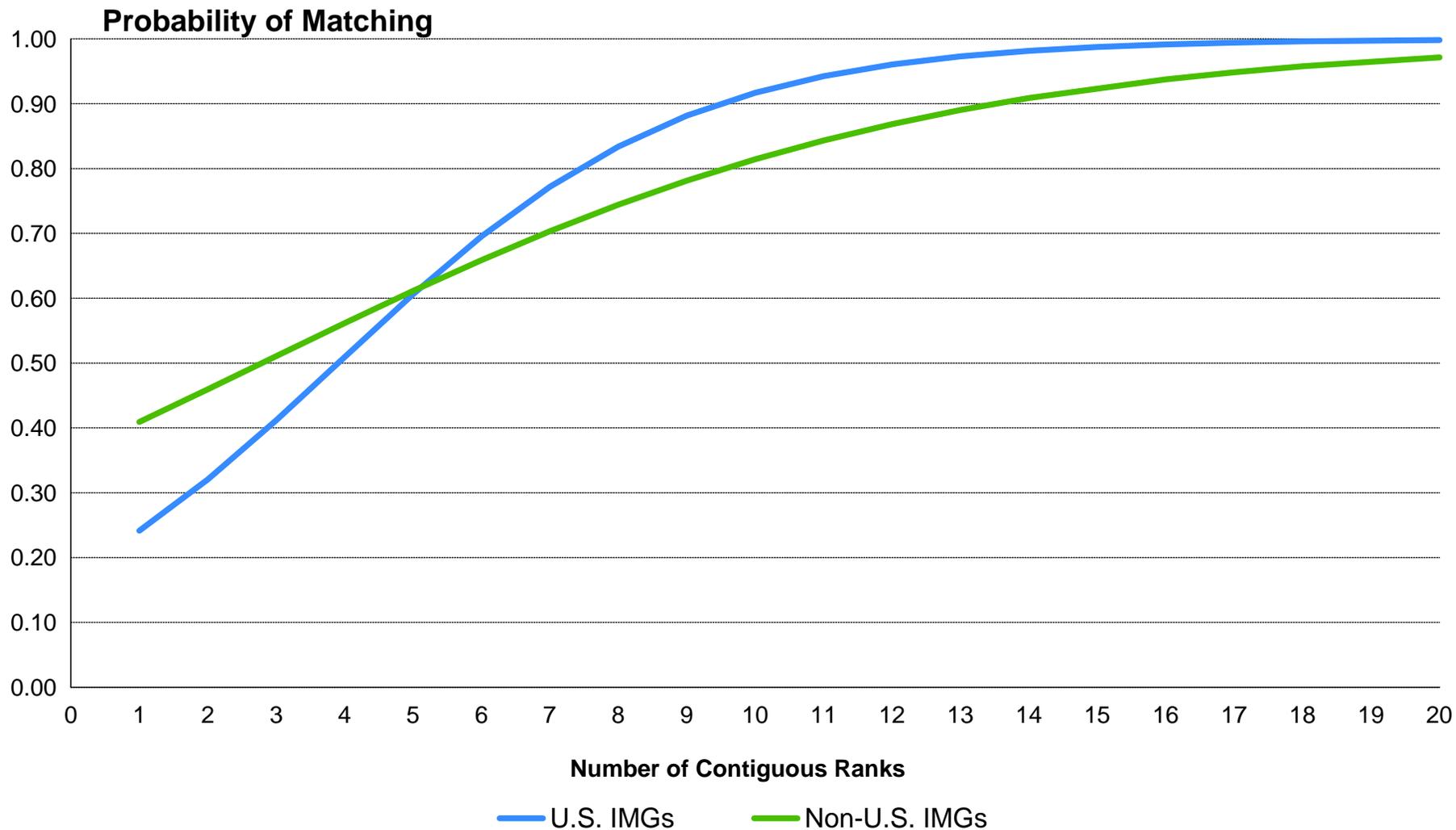
**Non-U.S. IMGs**



Source: NRMP Data Warehouse

**Graph  
DR-1**

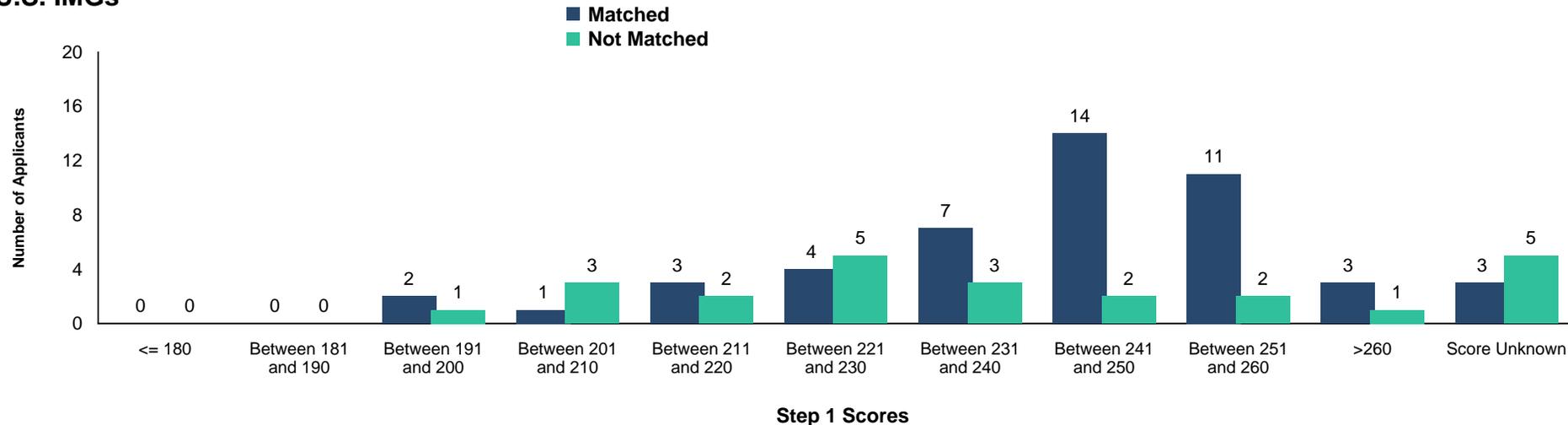
**Probability of International Medical Graduates Matching to Preferred Specialty by Number of Contiguous Ranks**  
*Diagnostic Radiology*



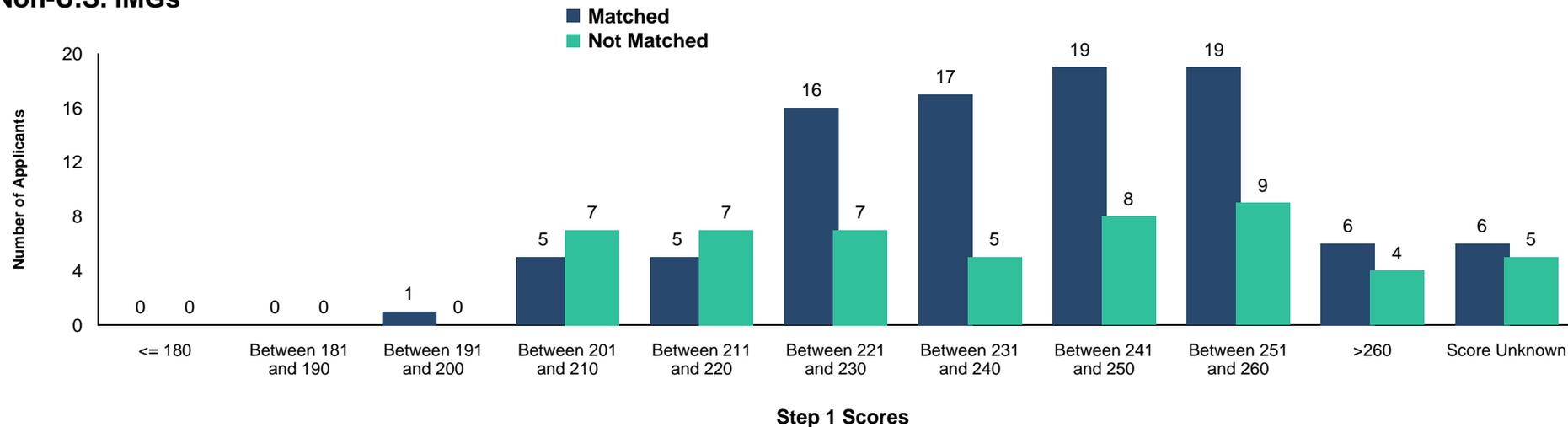
Source: NRMP Data Warehouse. Note: Probabilities calculated based on 2018-2020 applicants

# USMLE Step 1 Scores of International Medical Graduates Diagnostic Radiology

## U.S. IMGs



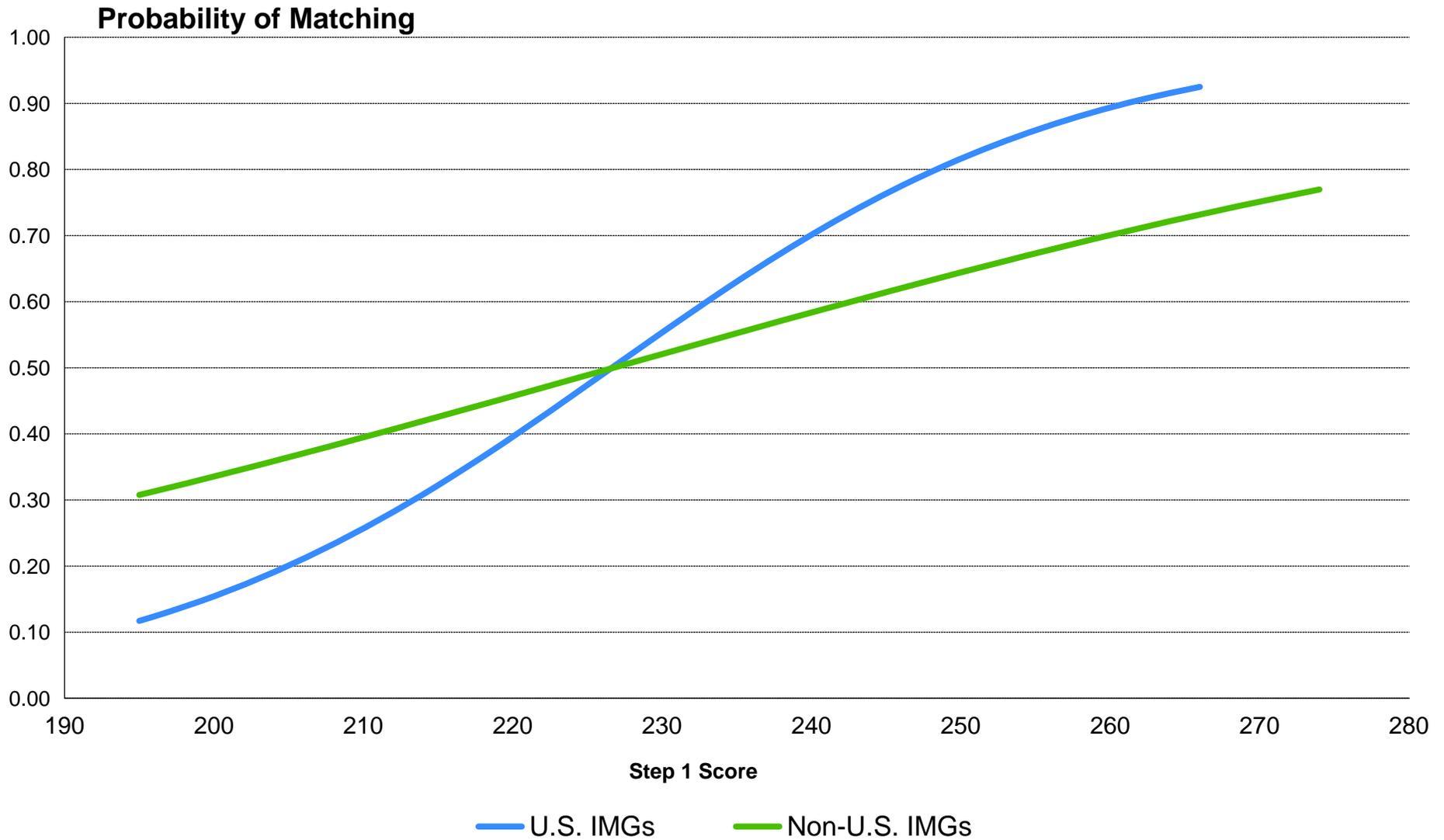
## Non-U.S. IMGs



Source: NRMP Data Warehouse

**Graph  
DR-2**

**Probability of International Medical Graduates Matching to Preferred Specialty by USMLE Step 1 Score**  
*Diagnostic Radiology*

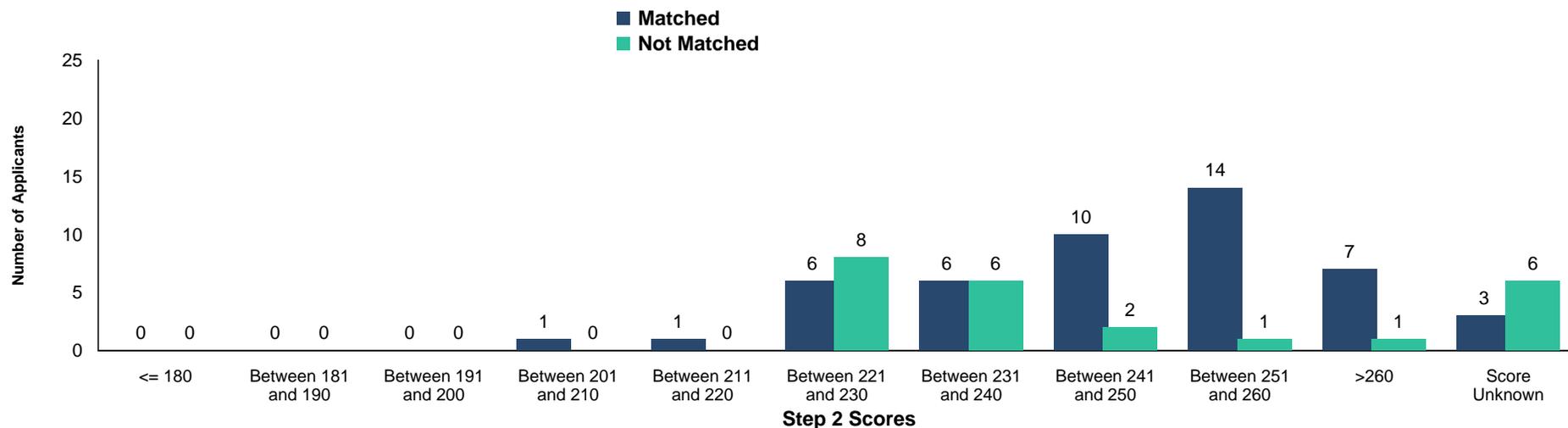


Source: NRMP Data Warehouse. Note: Probabilities calculated based on 2018-2020 applicants.

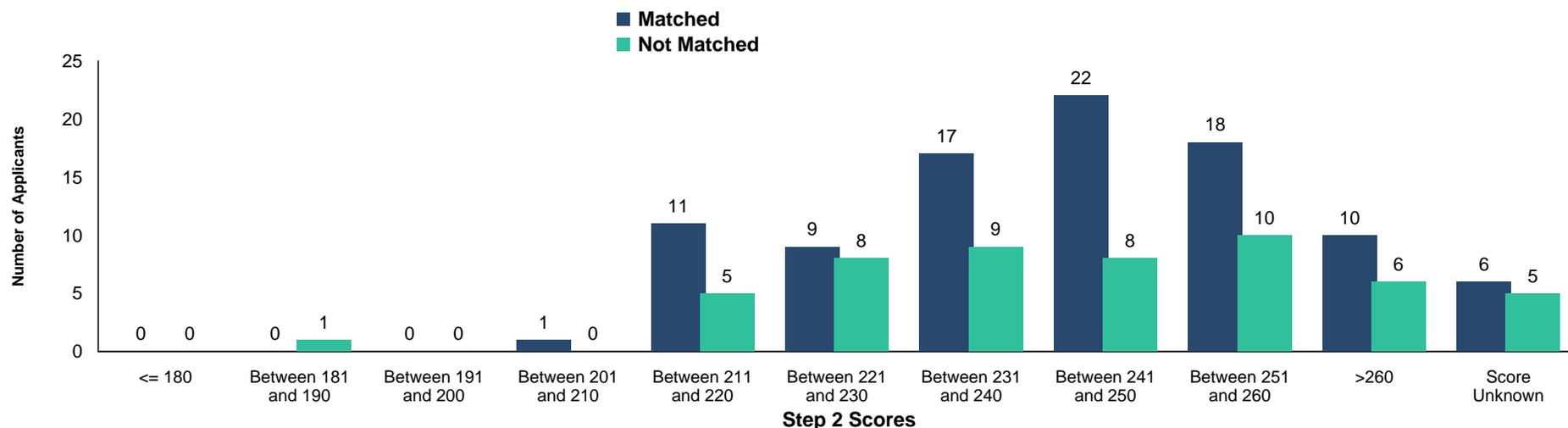
**Chart  
DR-4**

**USMLE Step 2 CK Scores of International Medical Graduates  
Diagnostic Radiology**

**U.S. IMGs**



**Non-U.S. IMGs**

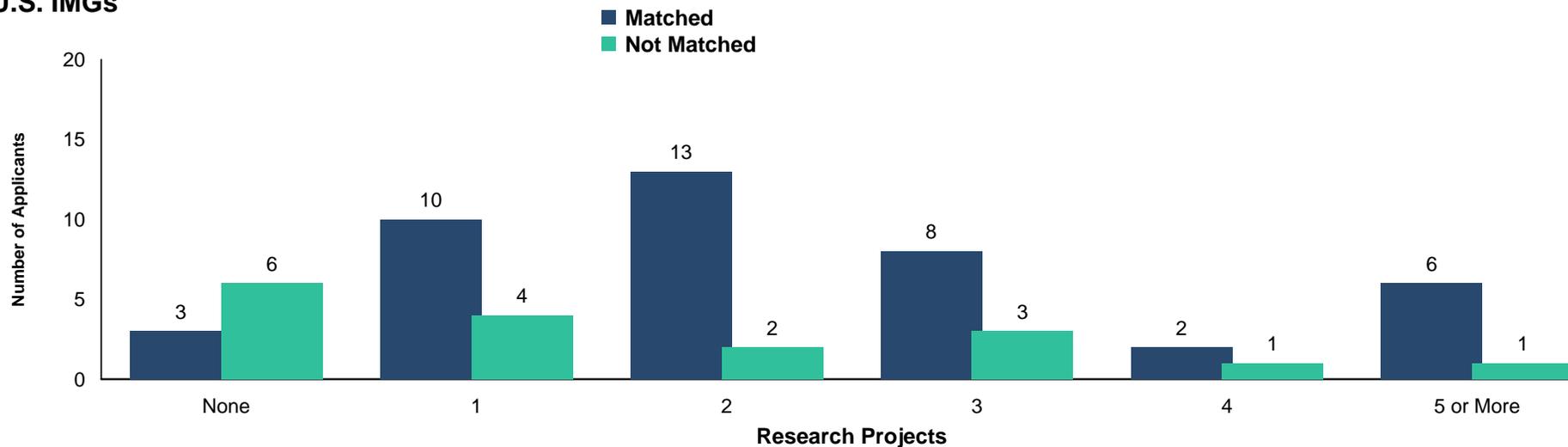


Source: NRMP Data Warehouse

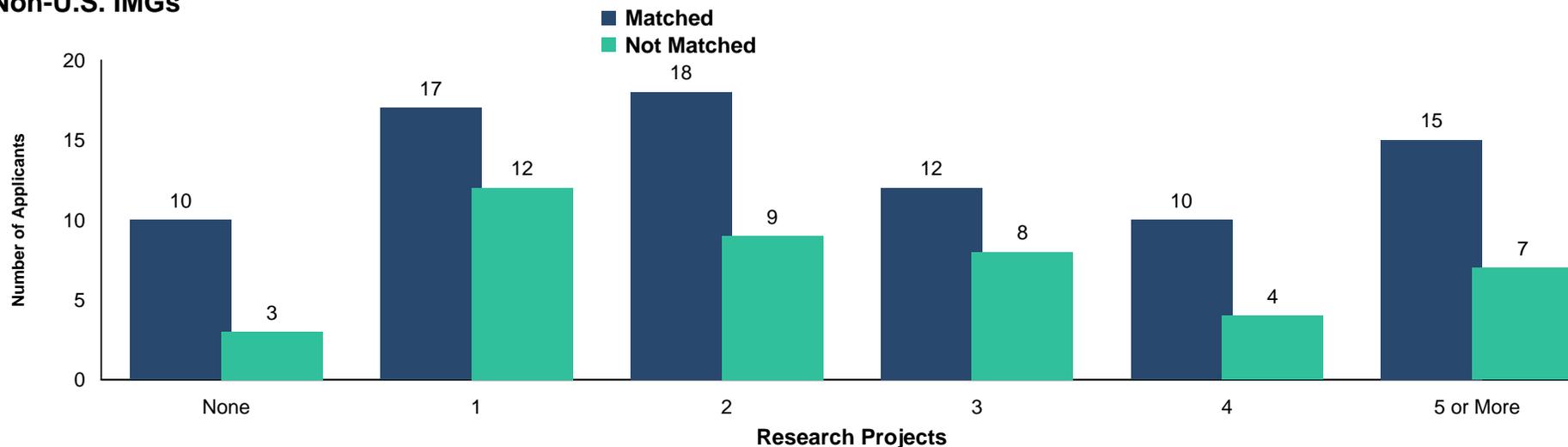
**Chart  
DR-5**

**Number of Research Projects of International Medical Graduates  
Diagnostic Radiology**

**U.S. IMGs**



**Non-U.S. IMGs**

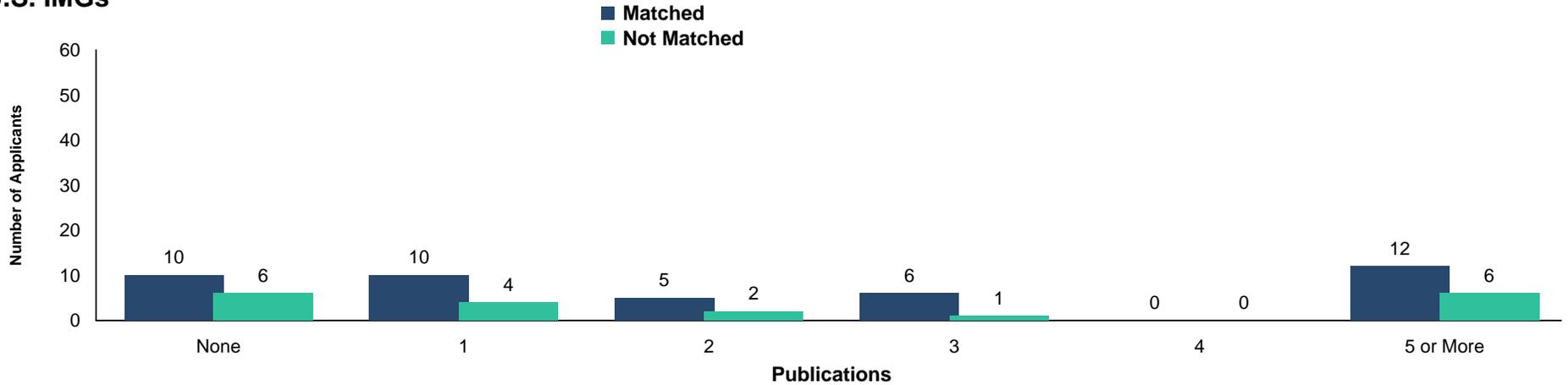


Source: NRMP Data Warehouse

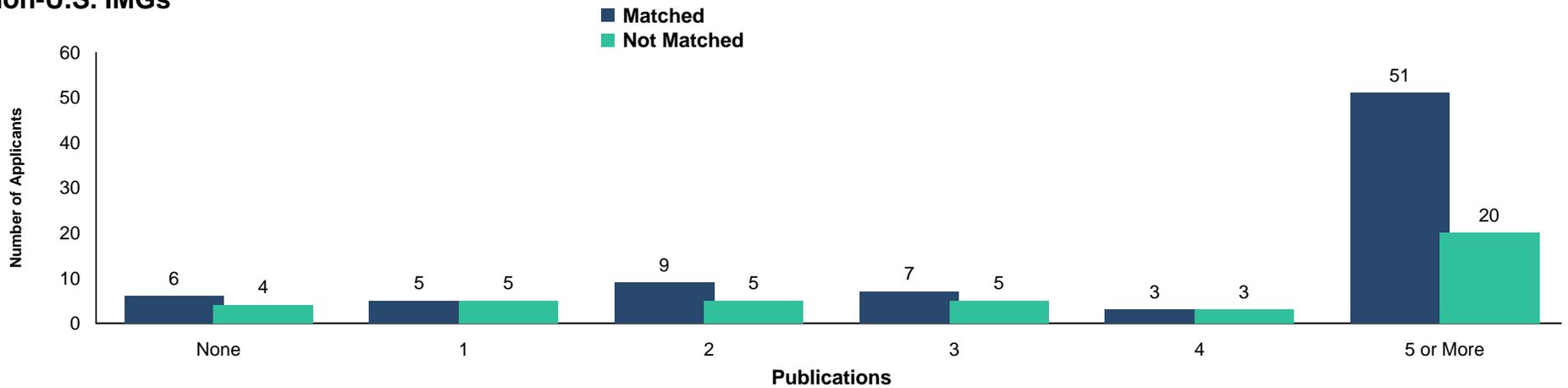
**Chart  
DR-6**

**Number of Abstracts, Presentations, and Publications of International Medical Graduates  
Diagnostic Radiology**

**U.S. IMGs**



**Non-U.S. IMGs**

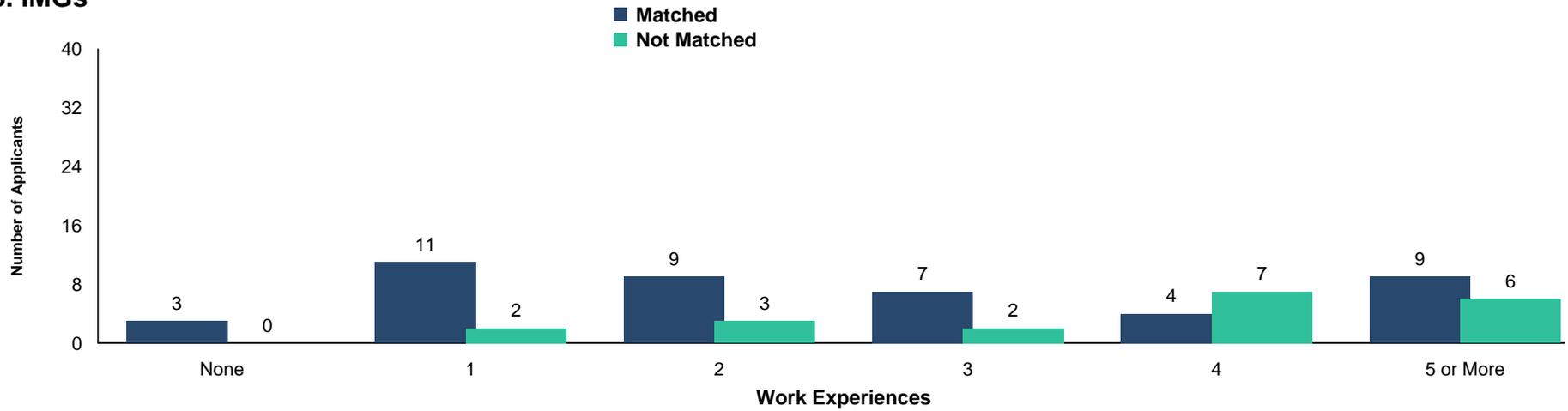


Source: NRMP Data Warehouse

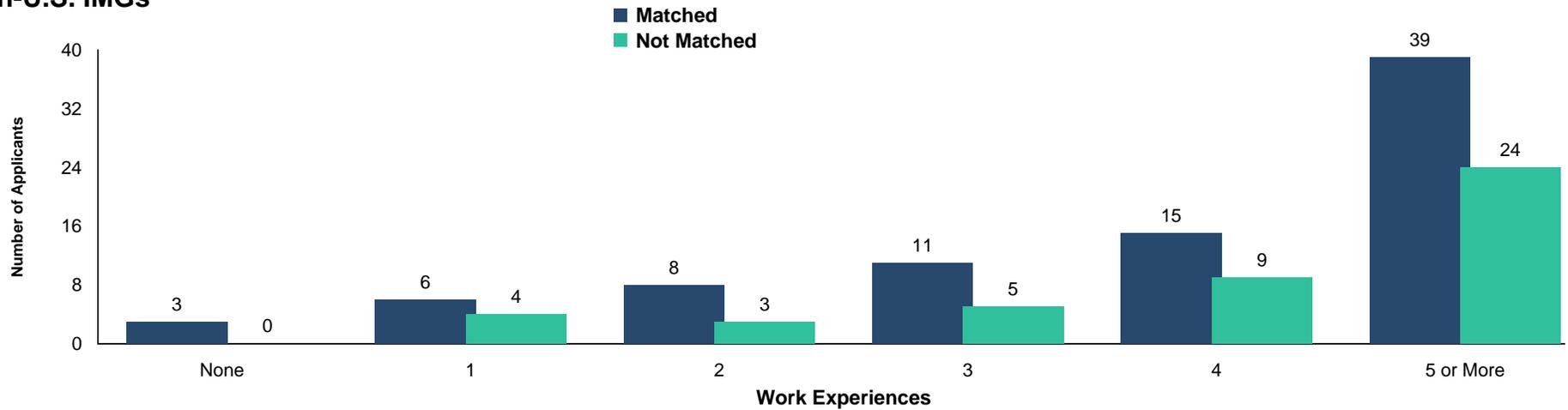
**Chart  
DR-7**

**Number of Work Experiences of International Medical Graduates  
Diagnostic Radiology**

**U.S. IMGs**



**Non-U.S. IMGs**

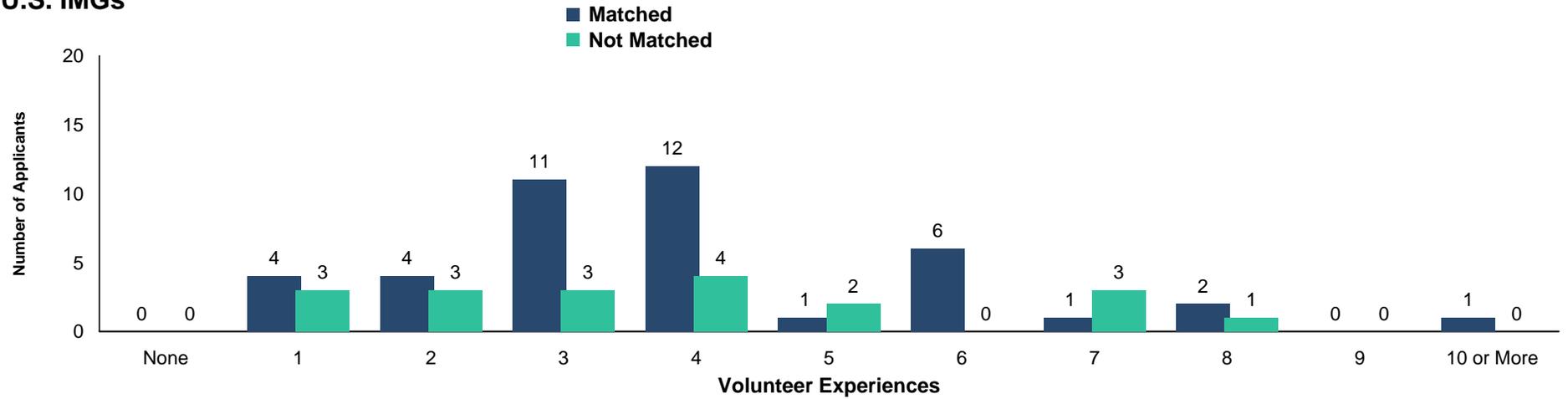


Source: NRMP Data Warehouse

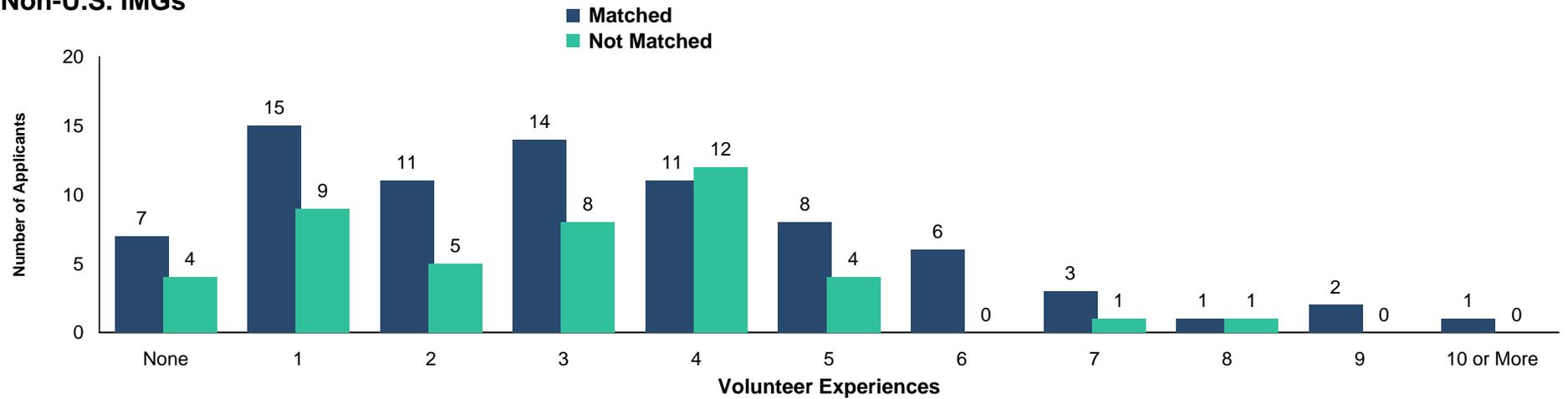
**Chart  
DR-8**

**Number of Volunteer Experiences of International Medical Graduates  
Diagnostic Radiology**

**U.S. IMGs**



**Non-U.S. IMGs**



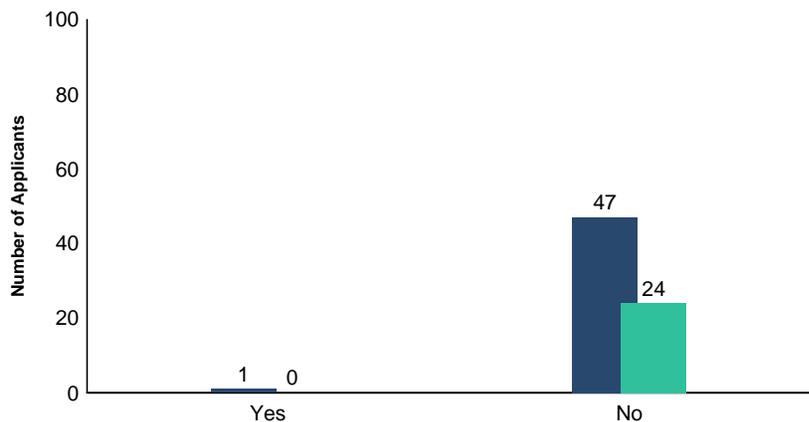
Source: NRMP Data Warehouse

**Chart  
DR-9**

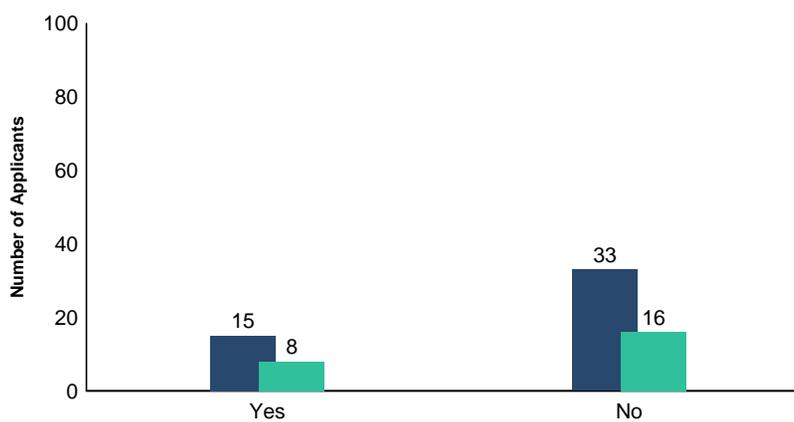
**Other Characteristics of International Medical Graduates**  
*Diagnostic Radiology*

**U.S. IMGs**

**Ph.D. Degree**

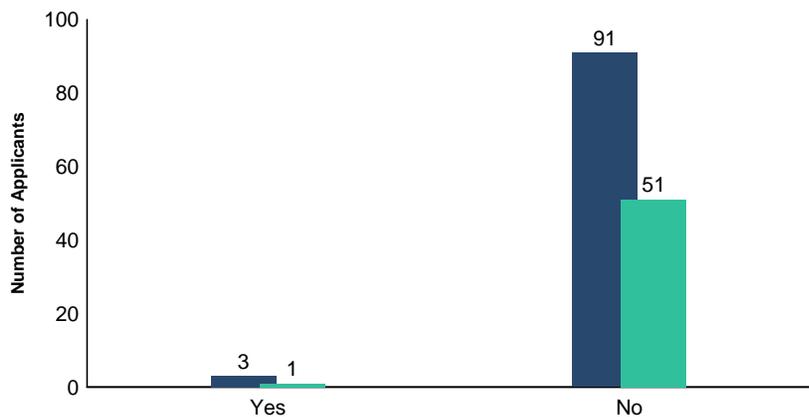


**Other Graduate Degree**

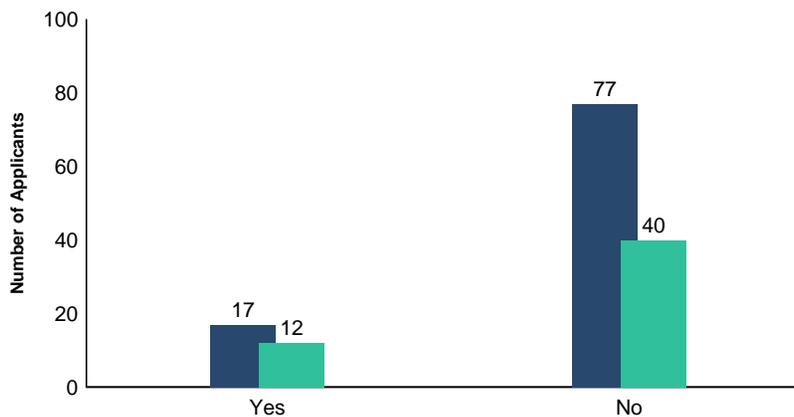


**Non-U.S. IMGs**

**Ph.D. Degree**



**Other Graduate Degree**



Source: NRMP Data Warehouse

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**EM** Emergency Medicine

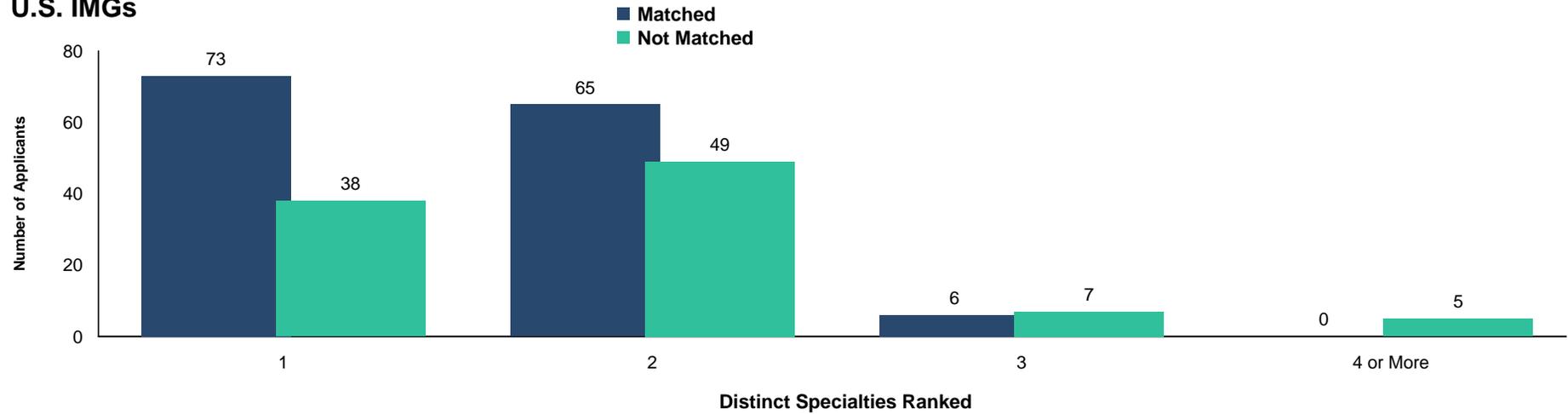
**Table** **Summary Statistics**  
**EM-1** **Emergency Medicine**

Measure	U.S. IMGs		Non-U.S. IMGs	
	Matched (n=144)	Unmatched (n=99)	Matched (n=27)	Unmatched (n=34)
1. Mean number of contiguous ranks	7.0	2.8	3.6	1.8
2. Mean number of distinct specialties ranked	1.5	1.8	1.6	2.0
3. Mean USMLE Step 1 score	230	220	231	228
4. Mean USMLE Step 2 score	240	230	242	235
5. Mean number of research experiences	1.6	1.8	3.5	2.4
6. Mean number of abstracts, presentations, and publications	2.5	2.1	10.8	3.3
7. Mean number of work experiences	4.7	4.6	7.5	5.9
8. Mean number of volunteer experiences	5.7	4.3	6.9	4.2
9. Percentage who have a Ph.D. degree	0.7	0.0	0.0	0.0
10. Percentage who have another graduate degree	22.6	27.5	37.0	15.6

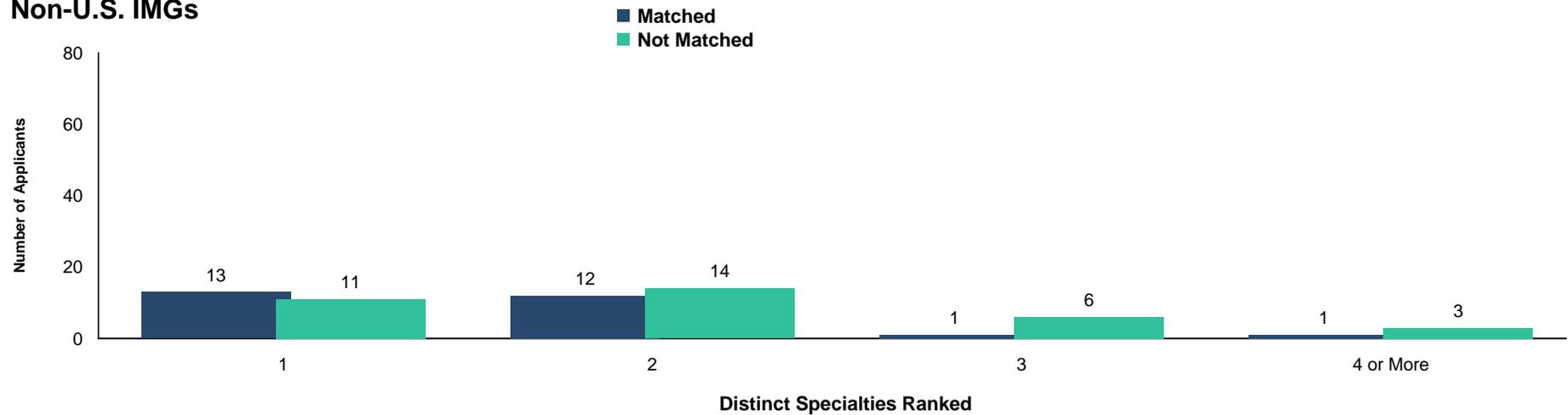
Note: Only applicants who gave consent to use their information in research are included.  
Source: NRMP Data Warehouse

# Number of Distinct Specialties Ranked by International Medical Graduates Emergency Medicine

## U.S. IMGs



## Non-U.S. IMGs

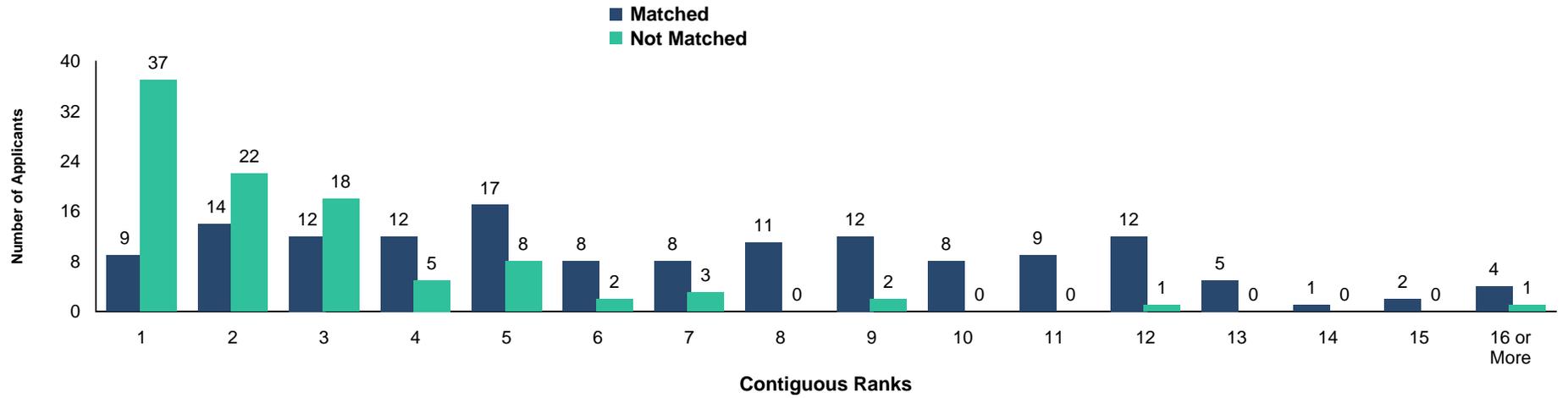


Source: NRMP Data Warehouse

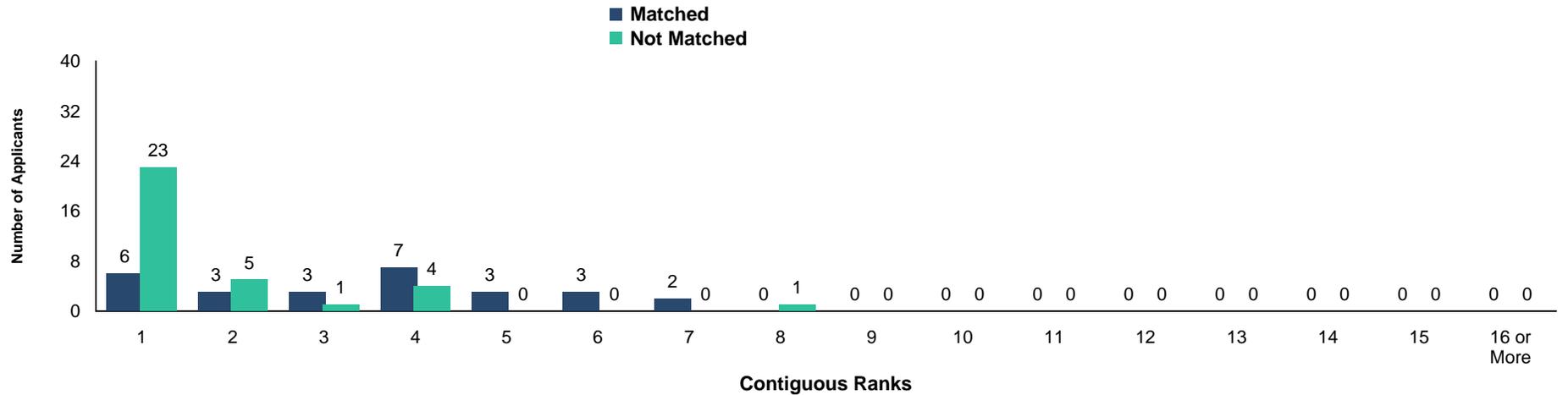
**Chart  
EM-2**

**Number of Contiguous Ranks of International Medical Graduates  
Emergency Medicine**

**U.S. IMGs**



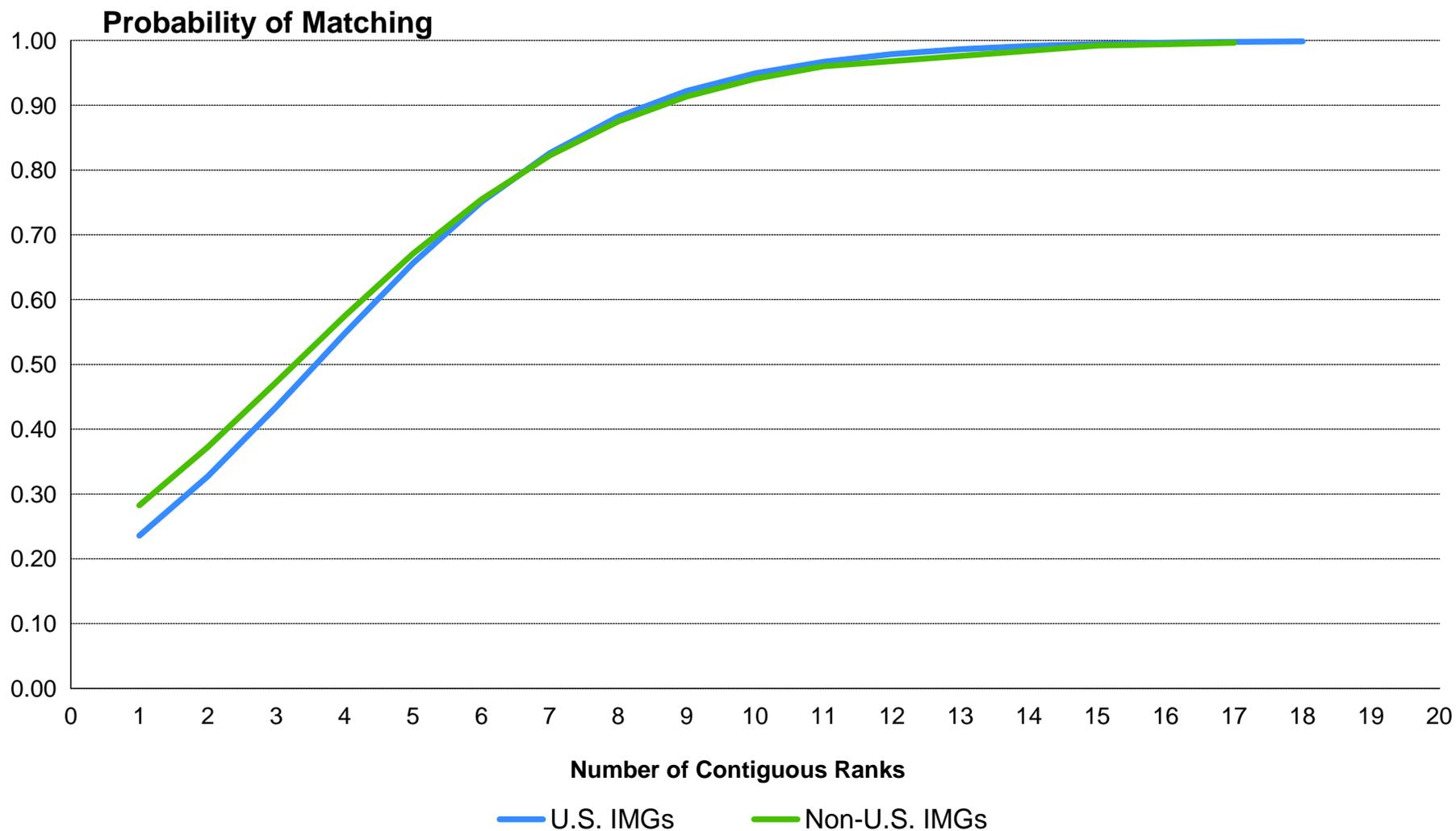
**Non-U.S. IMGs**



Source: NRMP Data Warehouse

**Graph  
EM-1**

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

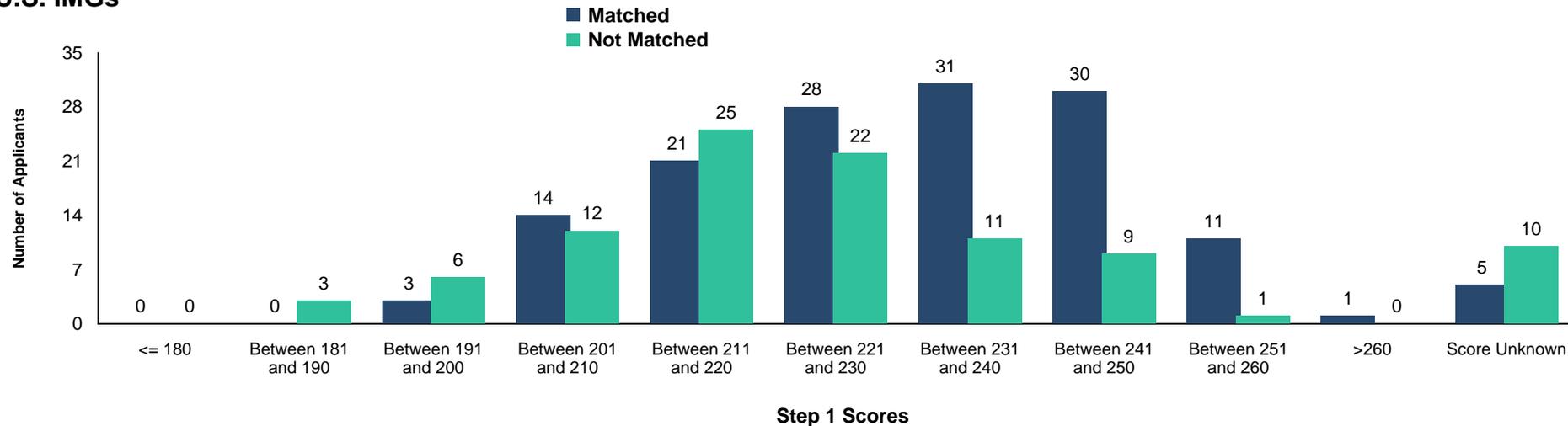


Source: NRMP Data Warehouse. Note: Probabilities calculated based on 2018-2020 applicants

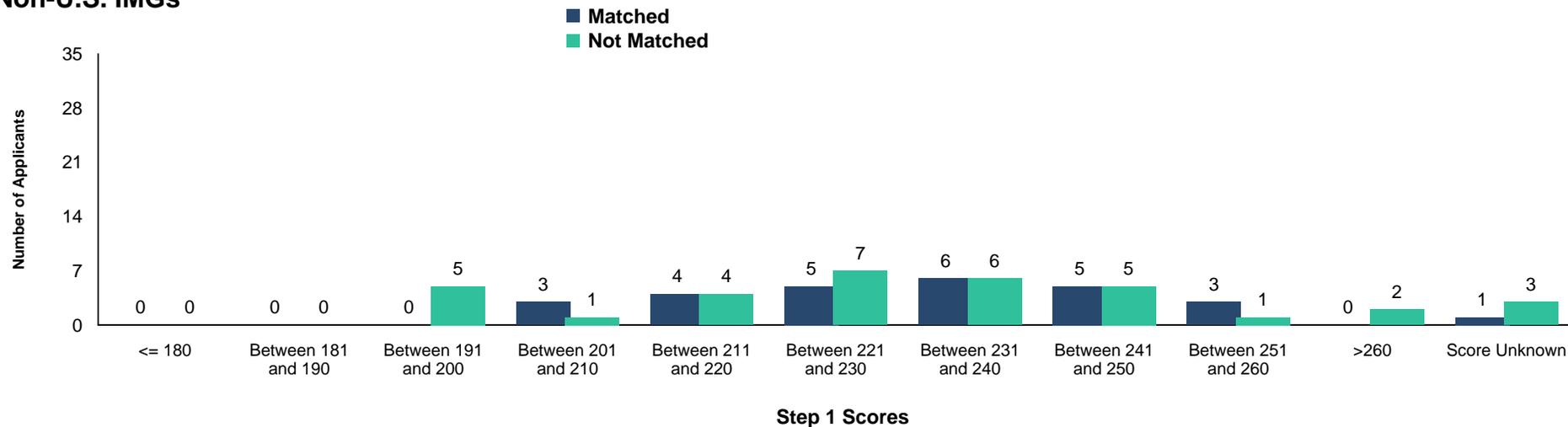
**Chart  
EM-3**

**USMLE Step 1 Scores of International Medical Graduates  
Emergency Medicine**

**U.S. IMGs**



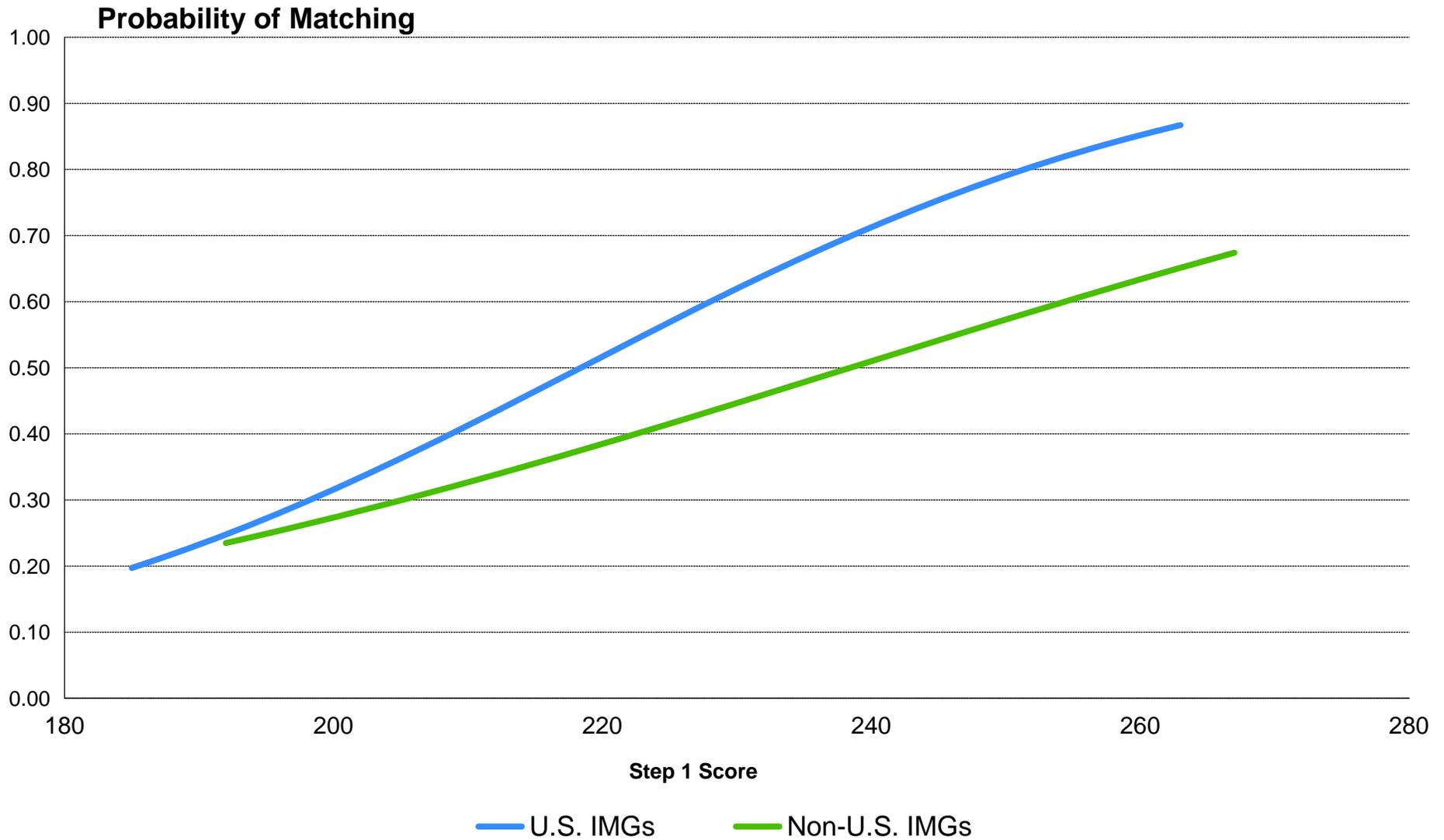
**Non-U.S. IMGs**



Source: NRMP Data Warehouse

**Graph  
EM-2**

**Probability of International Medical Graduates Matching to Preferred Specialty by USMLE Step 1 Score**  
*Emergency Medicine*

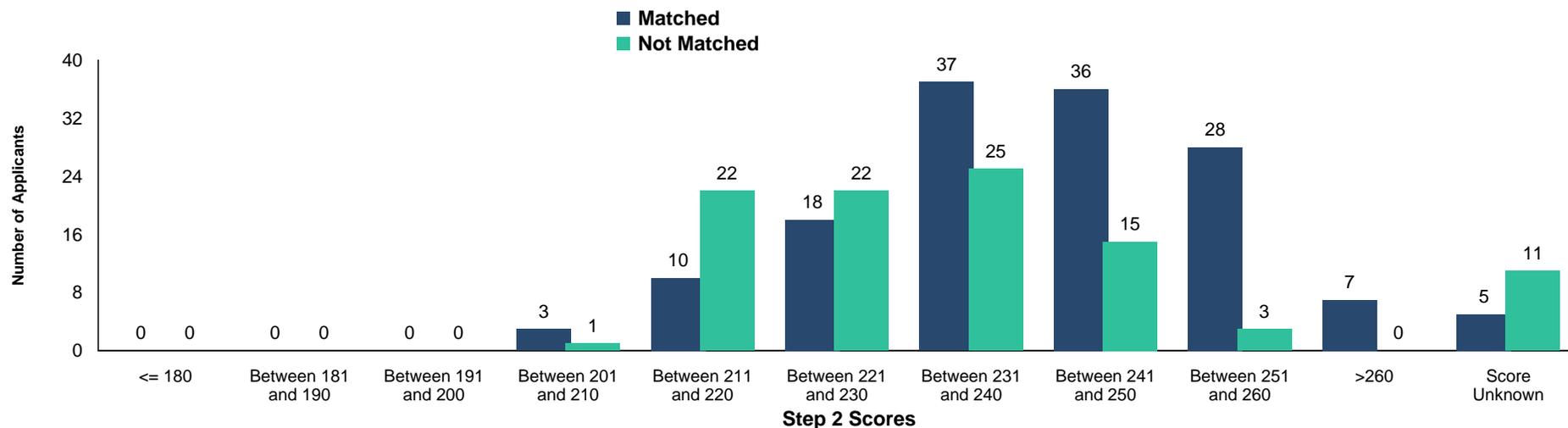


Source: NRMP Data Warehouse. Note: Probabilities calculated based on 2018-2020 applicants.

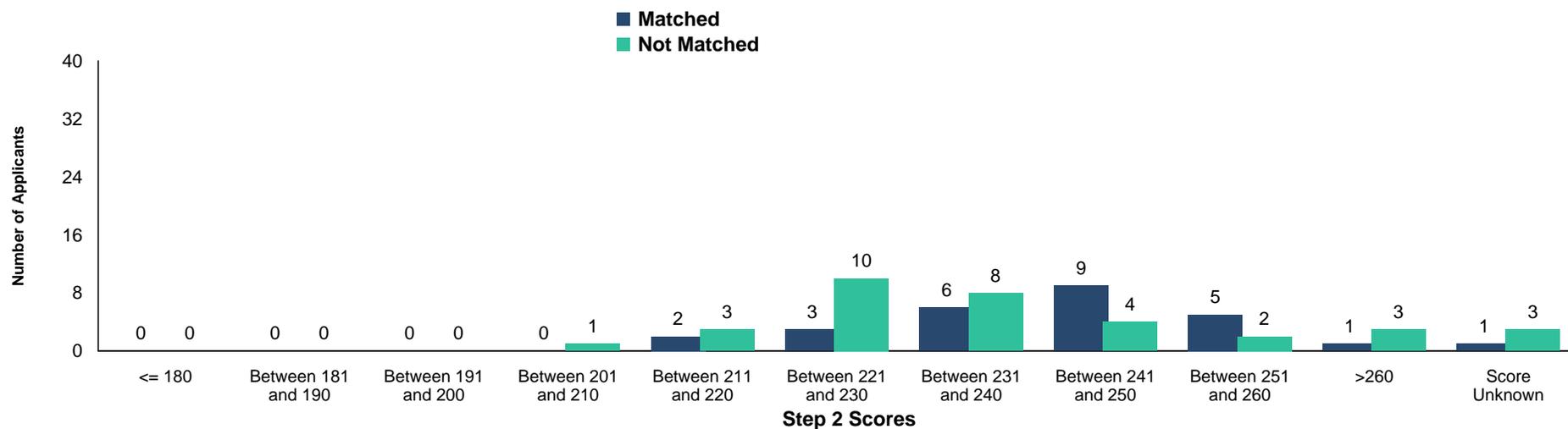
**Chart  
EM-4**

**USMLE Step 2 CK Scores of International Medical Graduates  
Emergency Medicine**

**U.S. IMGs**



**Non-U.S. IMGs**

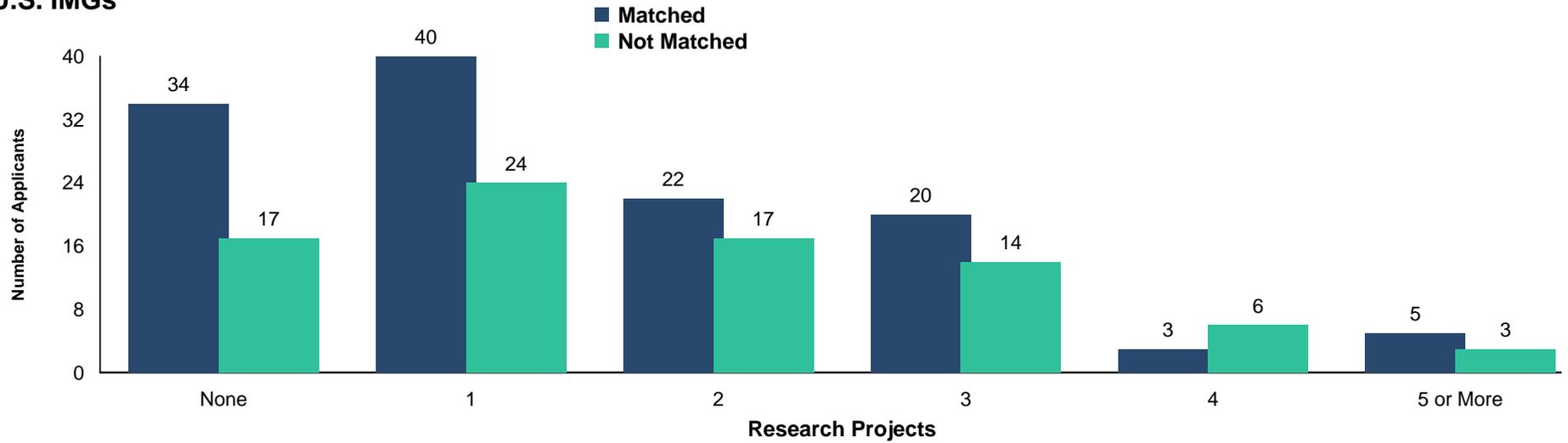


Source: NRMP Data Warehouse

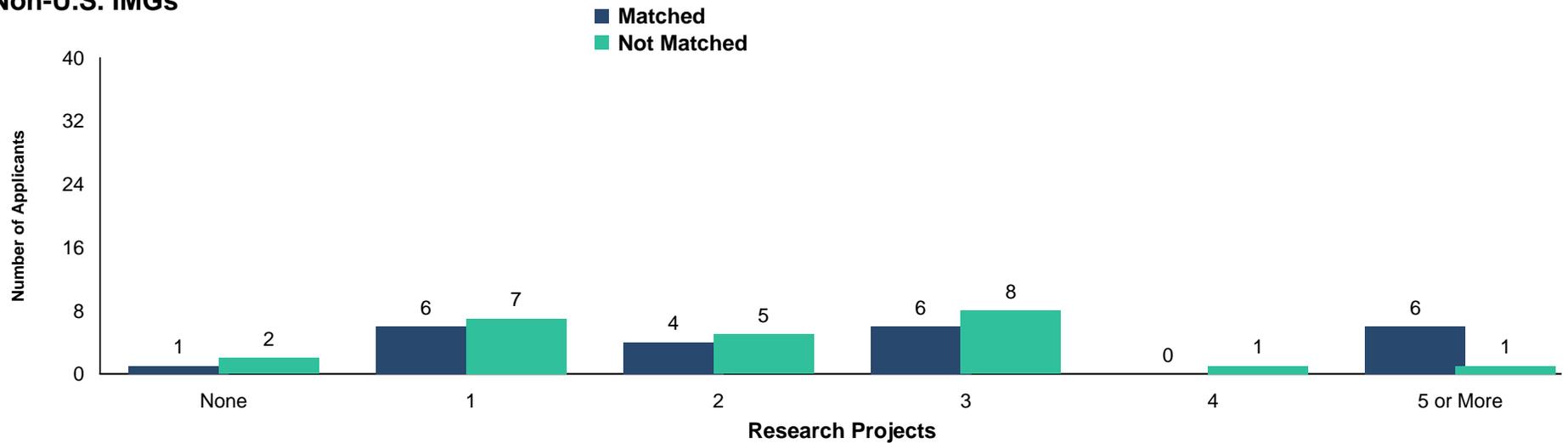
**Chart  
EM-5**

**Number of Research Projects of International Medical Graduates  
Emergency Medicine**

**U.S. IMGs**



**Non-U.S. IMGs**

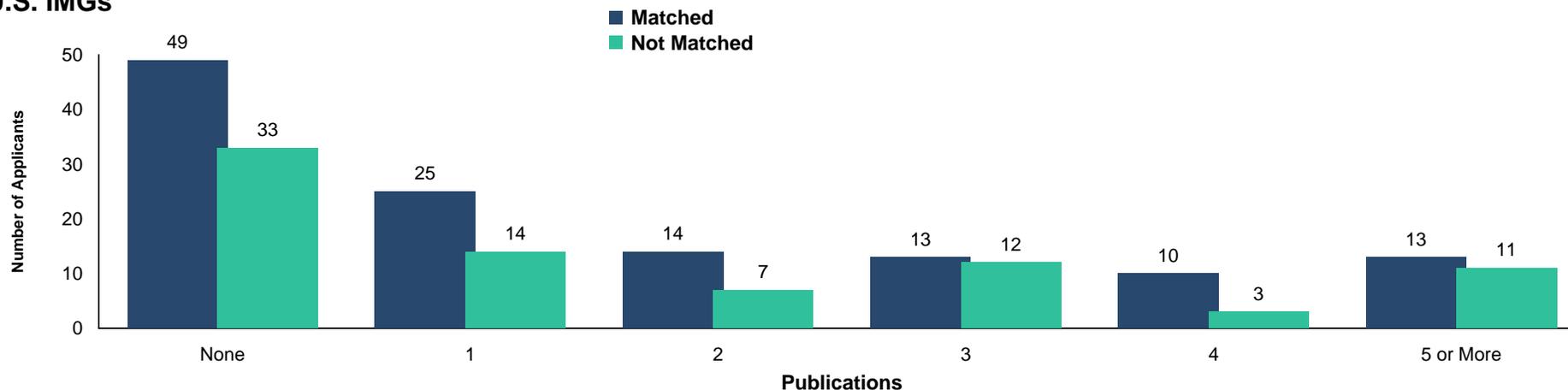


Source: NRMP Data Warehouse

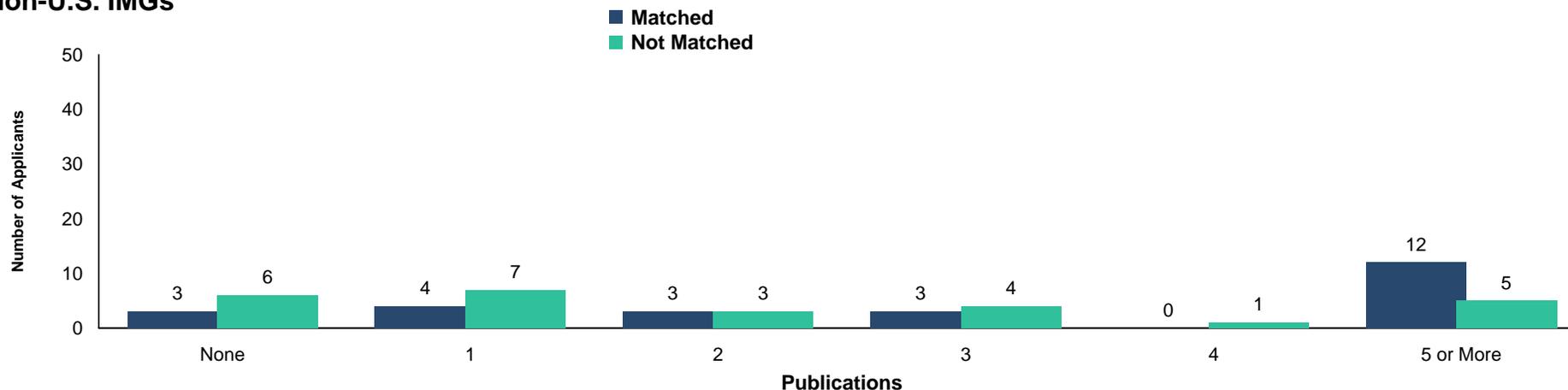
**Chart  
EM-6**

**Number of Abstracts, Presentations, and Publications of International Medical Graduates  
Emergency Medicine**

**U.S. IMGs**



**Non-U.S. IMGs**

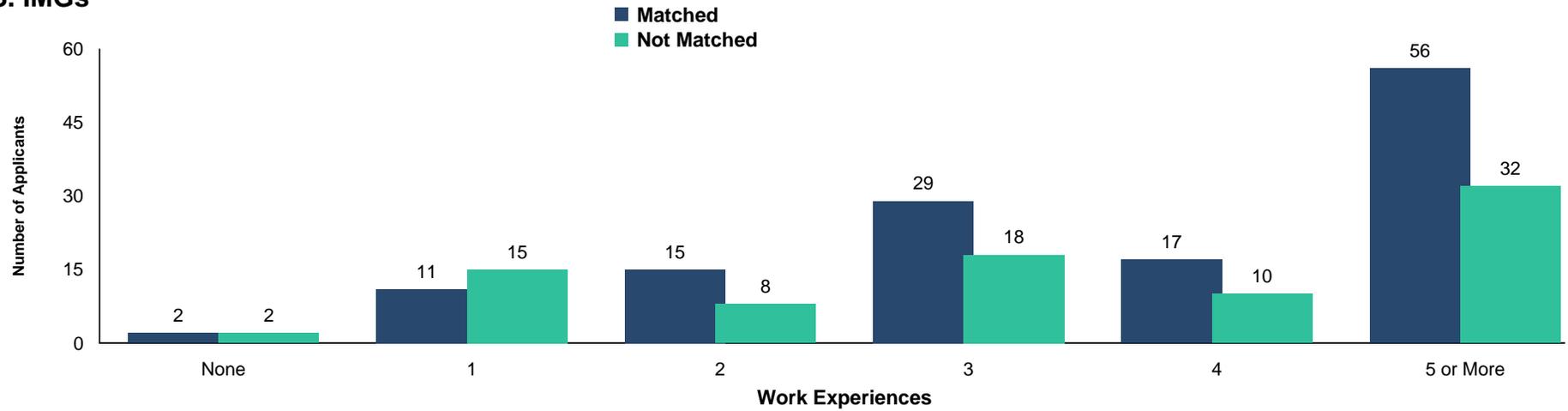


Source: NRMP Data Warehouse

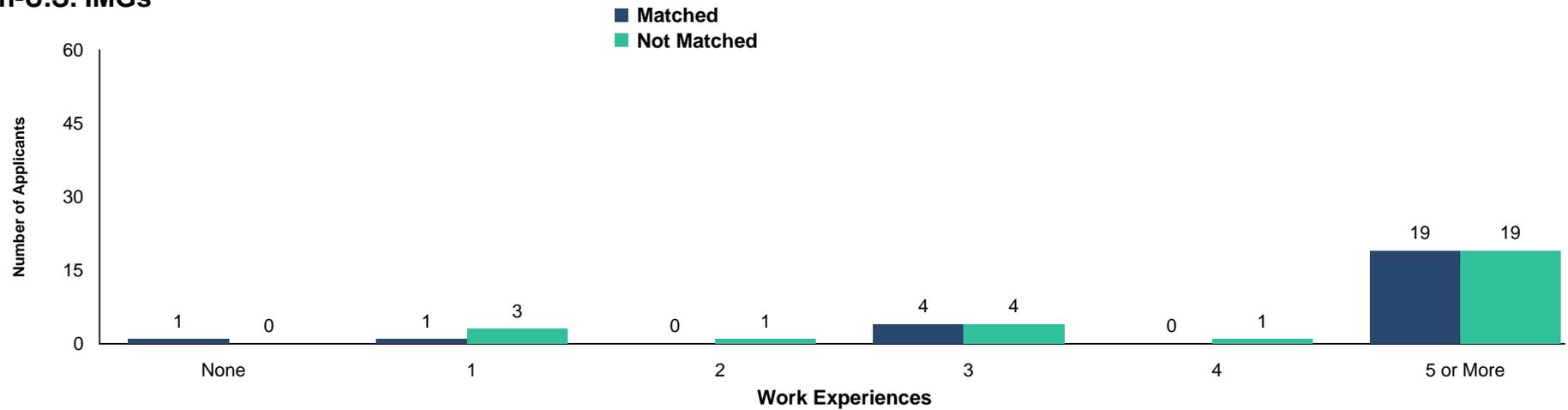
**Chart  
EM-7**

**Number of Work Experiences of International Medical Graduates  
Emergency Medicine**

**U.S. IMGs**



**Non-U.S. IMGs**

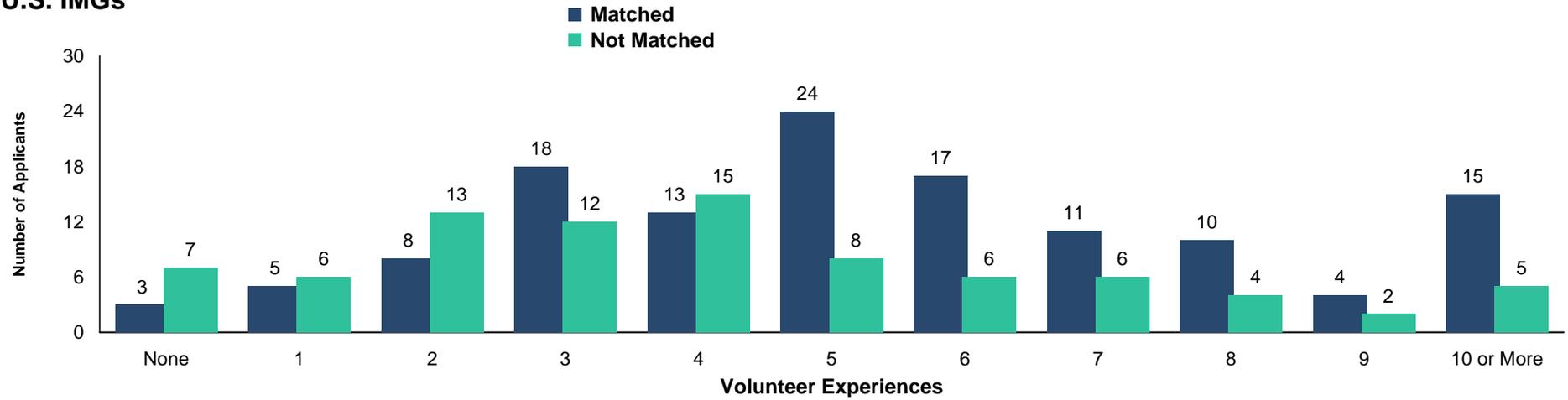


Source: NRMP Data Warehouse

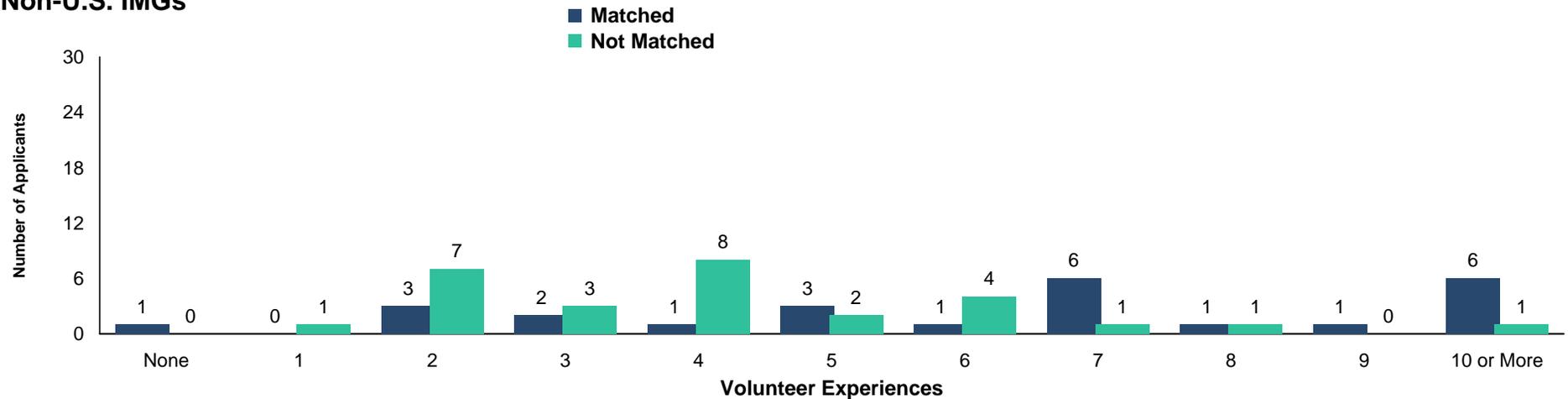
**Chart  
EM-8**

**Number of Volunteer Experiences of International Medical Graduates  
Emergency Medicine**

**U.S. IMGs**



**Non-U.S. IMGs**



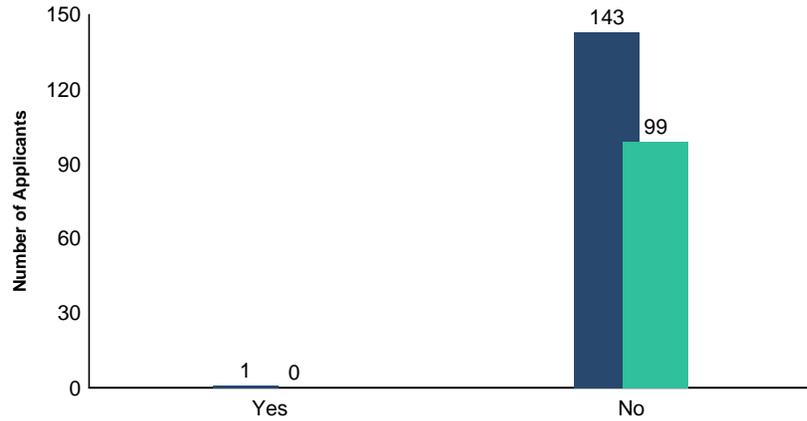
Source: NRMP Data Warehouse

**Chart  
EM-9**

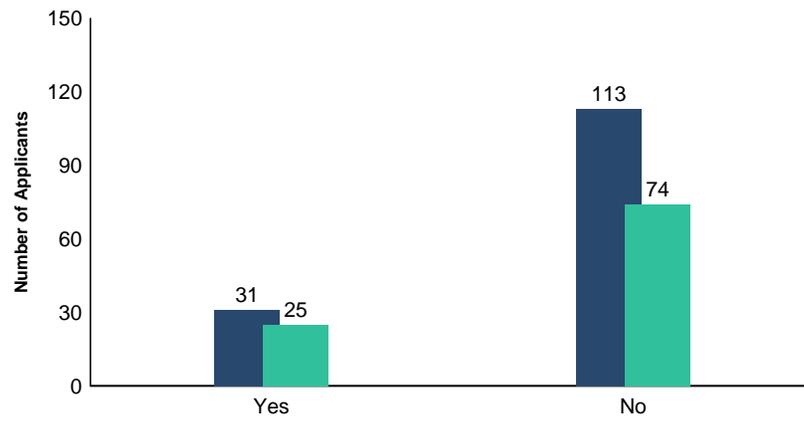
**Other Characteristics of International Medical Graduates  
Emergency Medicine**

**U.S. IMGs**

**Ph.D. Degree**

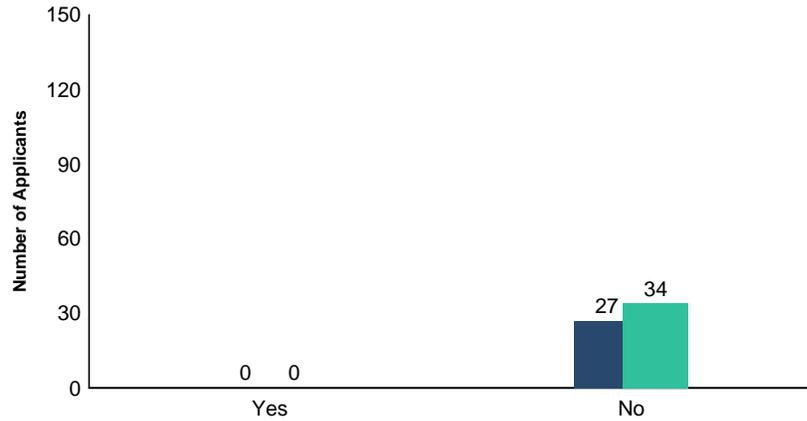


**Other Graduate Degree**

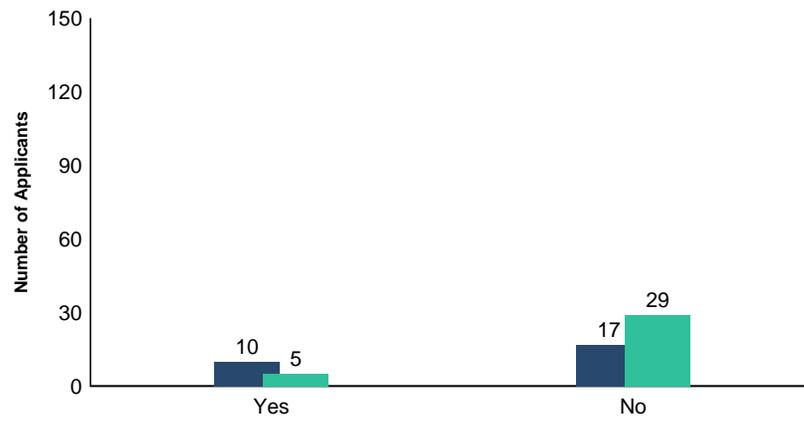


**Non-U.S. IMGs**

**Ph.D. Degree**



**Other Graduate Degree**



Source: NRMP Data Warehouse

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**FM** Family Medicine

**Table** **Summary Statistics**  
**FM-1** *Family Medicine*

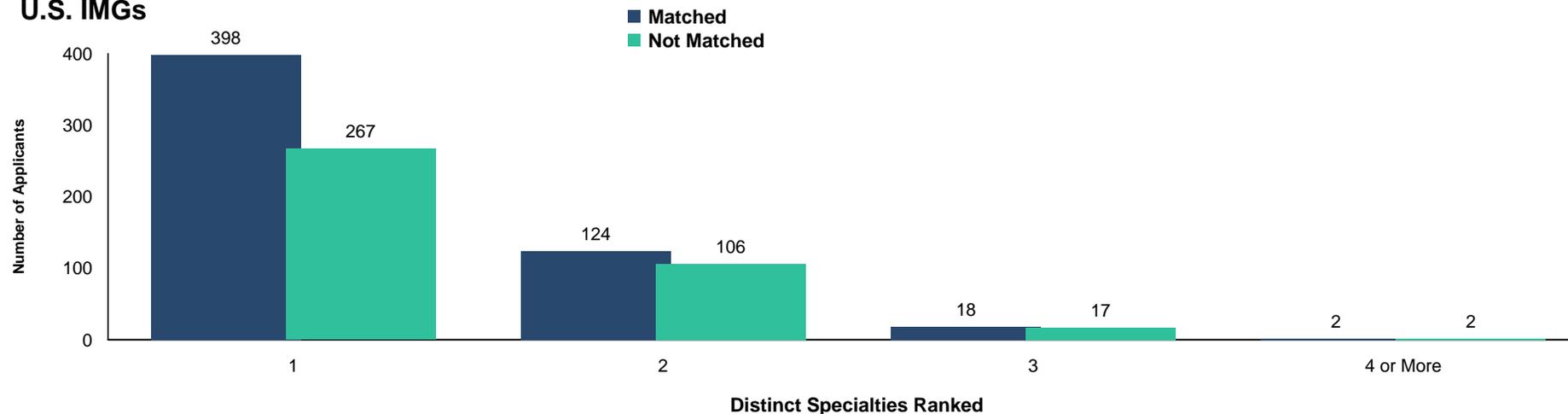
Measure	U.S. IMGs		Non-U.S. IMGs	
	Matched (n=542)	Unmatched (n=392)	Matched (n=294)	Unmatched (n=243)
1. Mean number of contiguous ranks	6.4	2.2	4.3	2.1
2. Mean number of distinct specialties ranked	1.3	1.4	1.4	1.4
3. Mean USMLE Step 1 score	211	206	219	213
4. Mean USMLE Step 2 score	226	218	229	225
5. Mean number of research experiences	1.5	2.5	1.8	2.9
6. Mean number of abstracts, presentations, and publications	1.9	3.0	2.9	3.5
7. Mean number of work experiences	4.3	5.9	6.3	7.4
8. Mean number of volunteer experiences	4.8	4.5	5.4	4.3
9. Percentage who have a Ph.D. degree	0.2	1.2	0.7	2.3
10. Percentage who have another graduate degree	22.0	32.1	22.0	27.0

Note: Only applicants who gave consent to use their information in research are included.  
Source: NRMP Data Warehouse

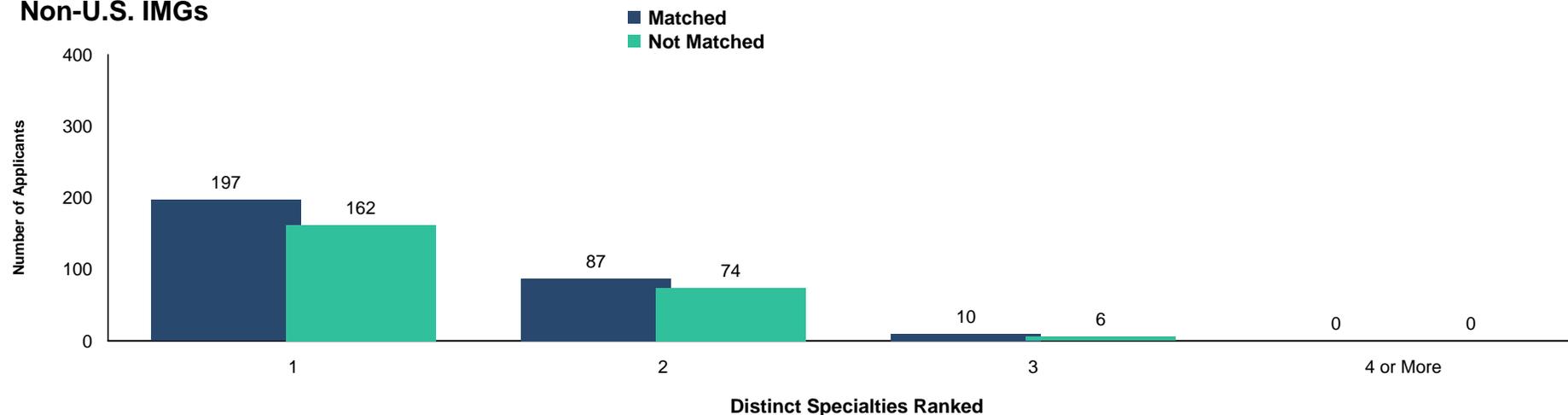
**Chart  
FM-1**

**Number of Distinct Specialties Ranked by International Medical Graduates  
Family Medicine**

**U.S. IMGs**



**Non-U.S. IMGs**

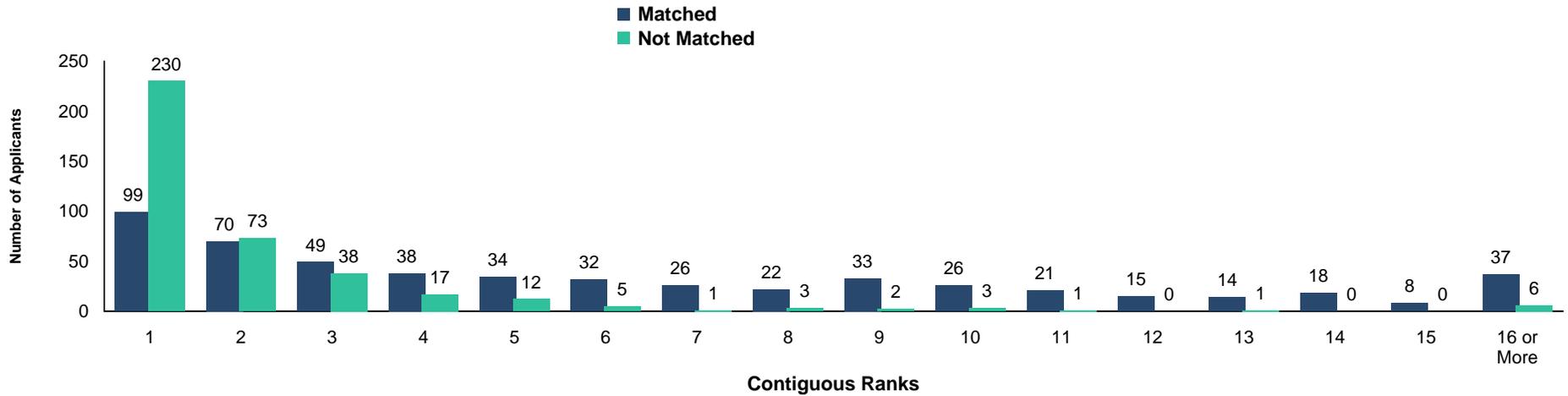


Source: NRMP Data Warehouse

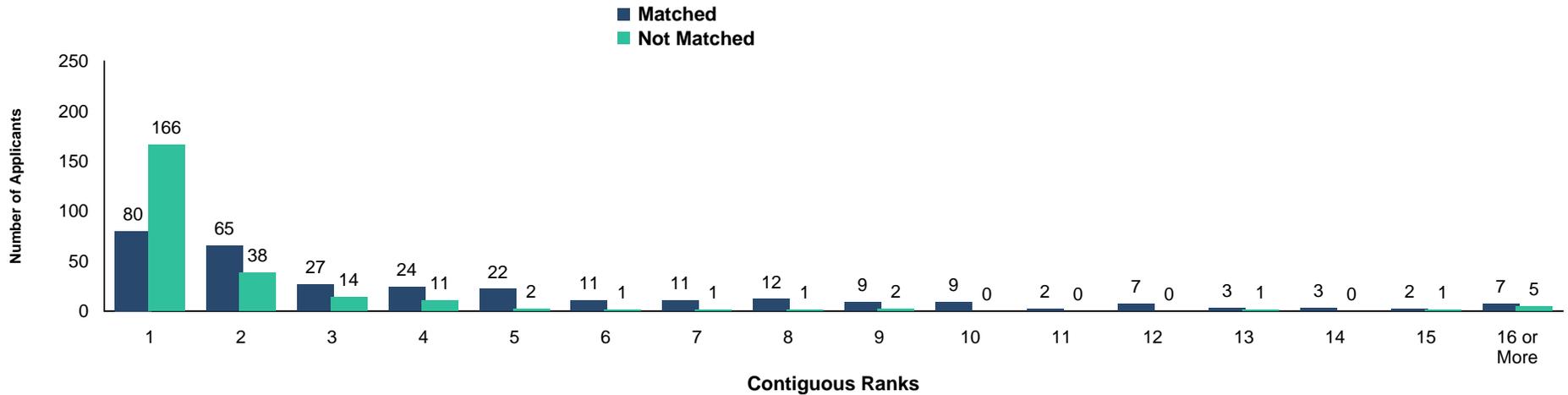
**Chart  
FM-2**

**Number of Contiguous Ranks of International Medical Graduates  
Family Medicine**

**U.S. IMGs**



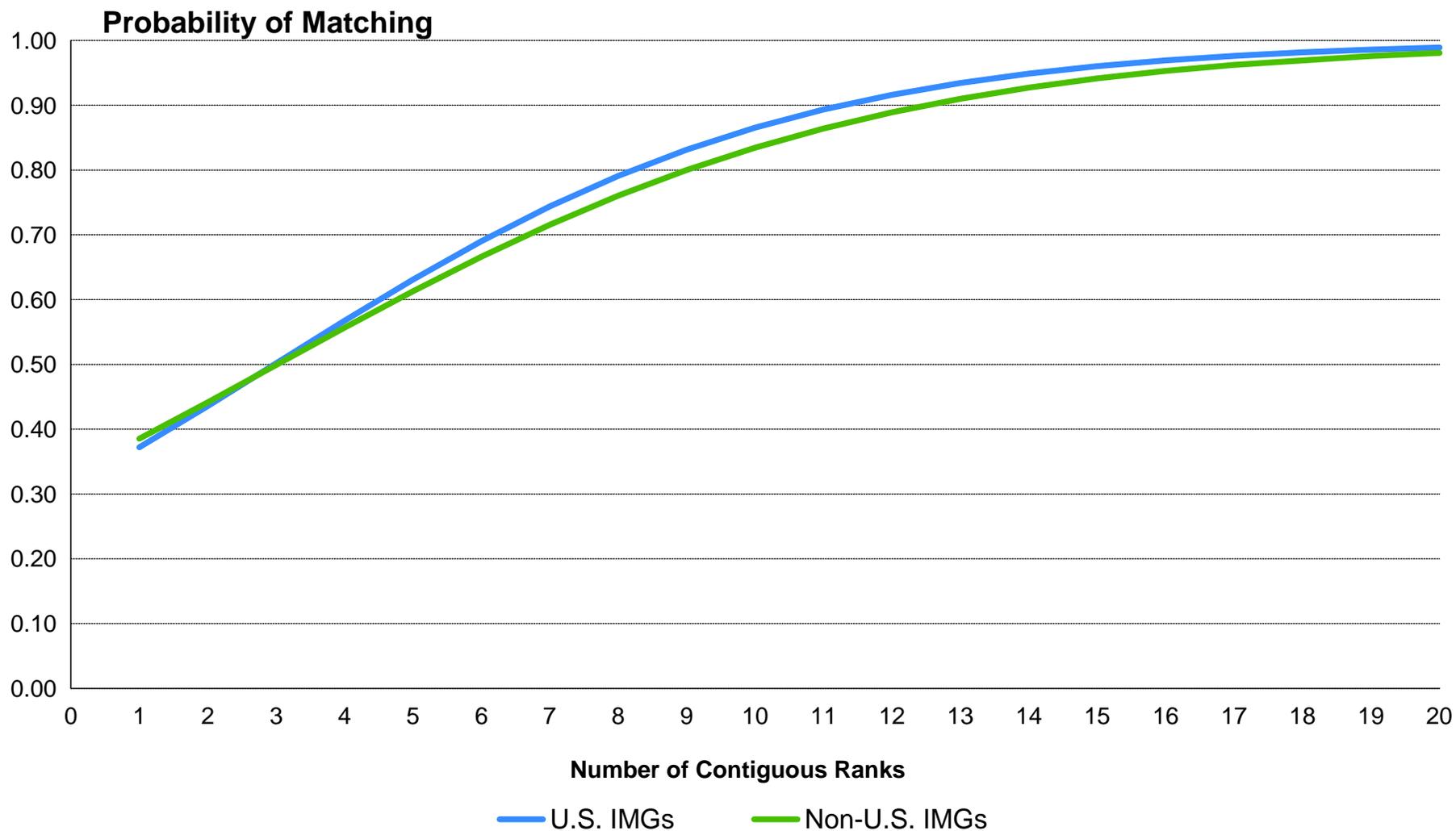
**Non-U.S. IMGs**



Source: NRMP Data Warehouse

**Graph  
FM-1**

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

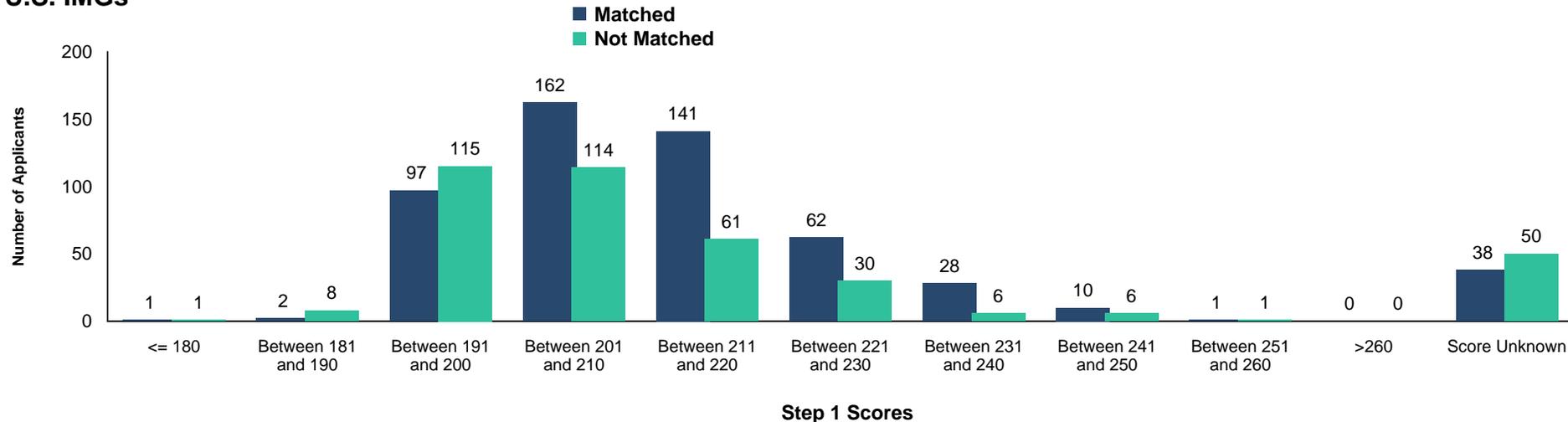


Source: NRMP Data Warehouse. Note: Probabilities calculated based on 2018-2020 applicants

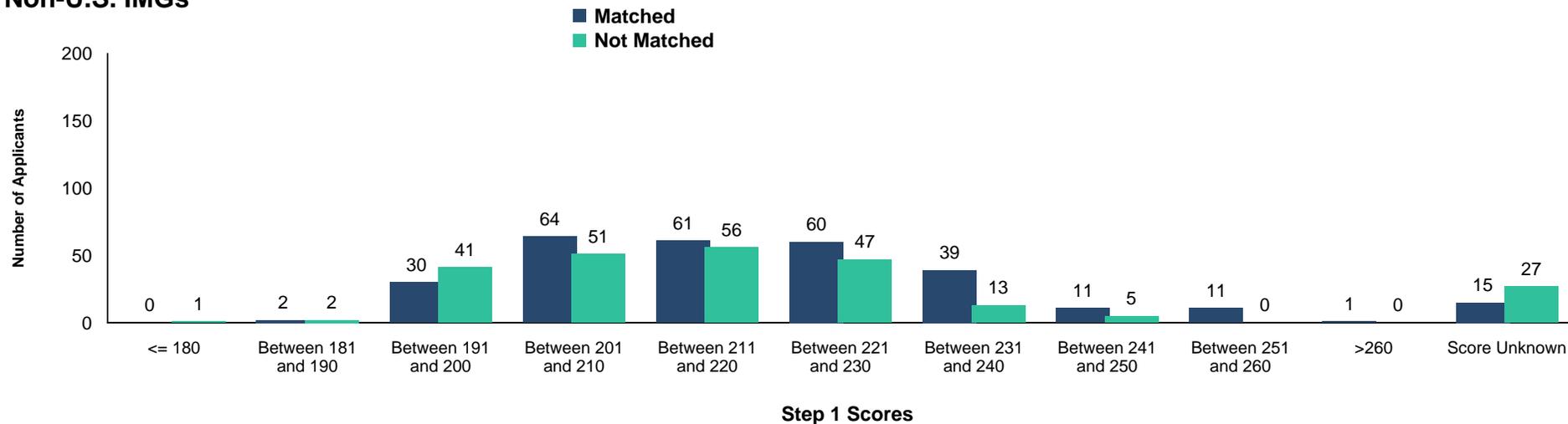
**Chart  
FM-3**

**USMLE Step 1 Scores of International Medical Graduates  
Family Medicine**

**U.S. IMGs**



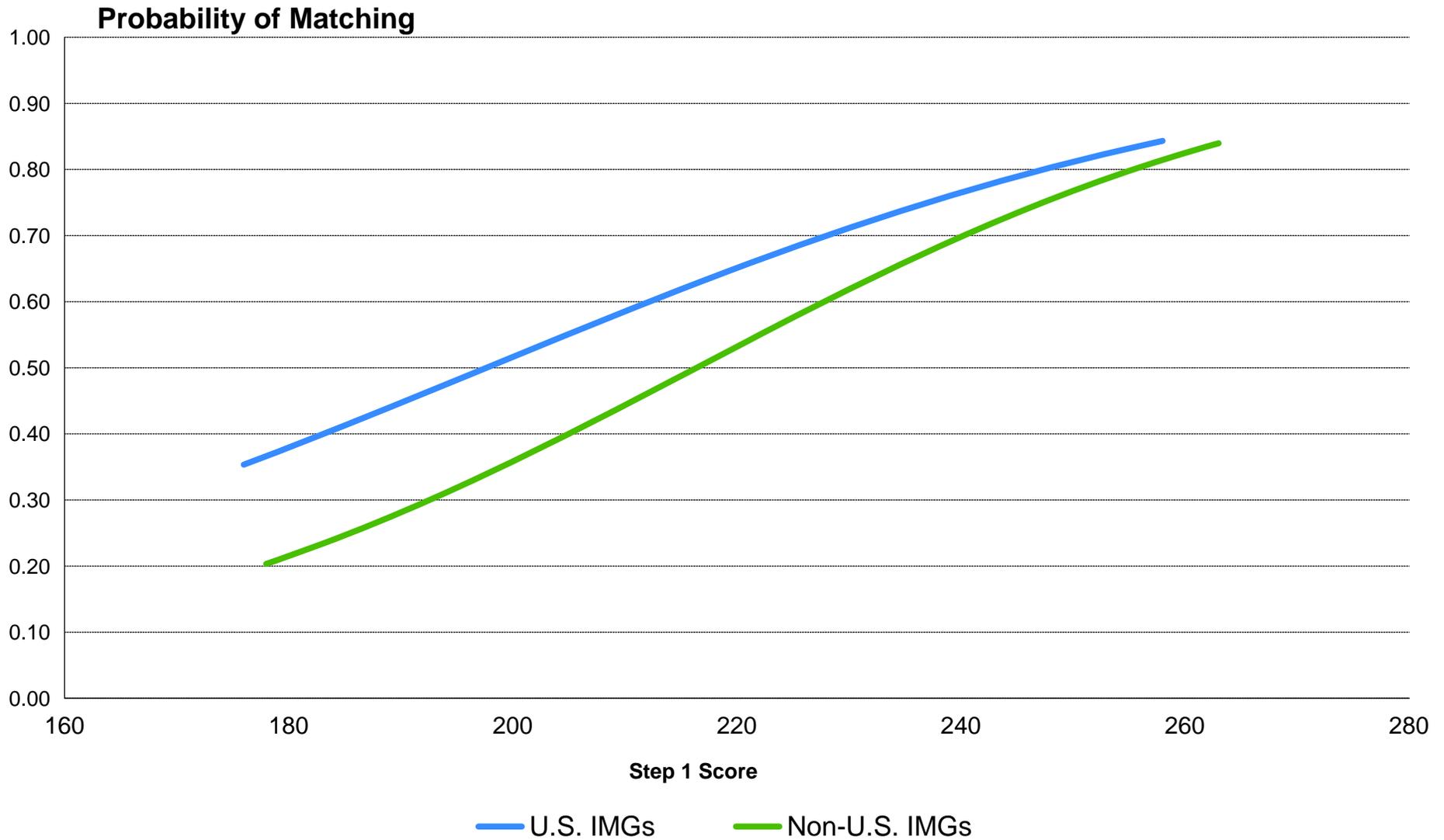
**Non-U.S. IMGs**



Source: NRMP Data Warehouse

**Graph  
FM-2**

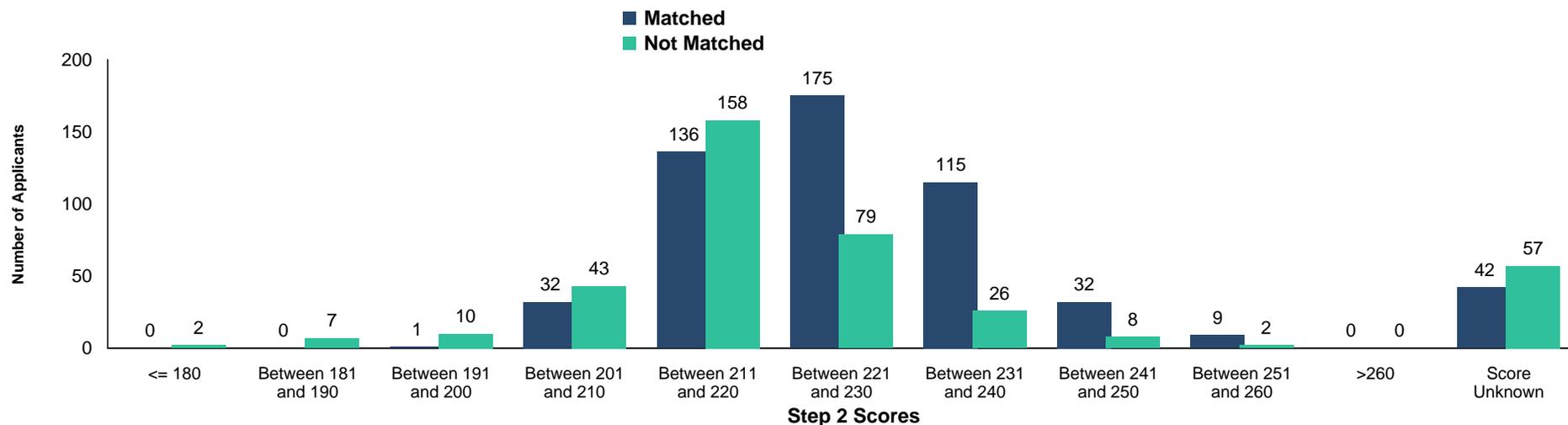
**Probability of International Medical Graduates Matching to Preferred Specialty by USMLE Step 1 Score**  
*Family Medicine*



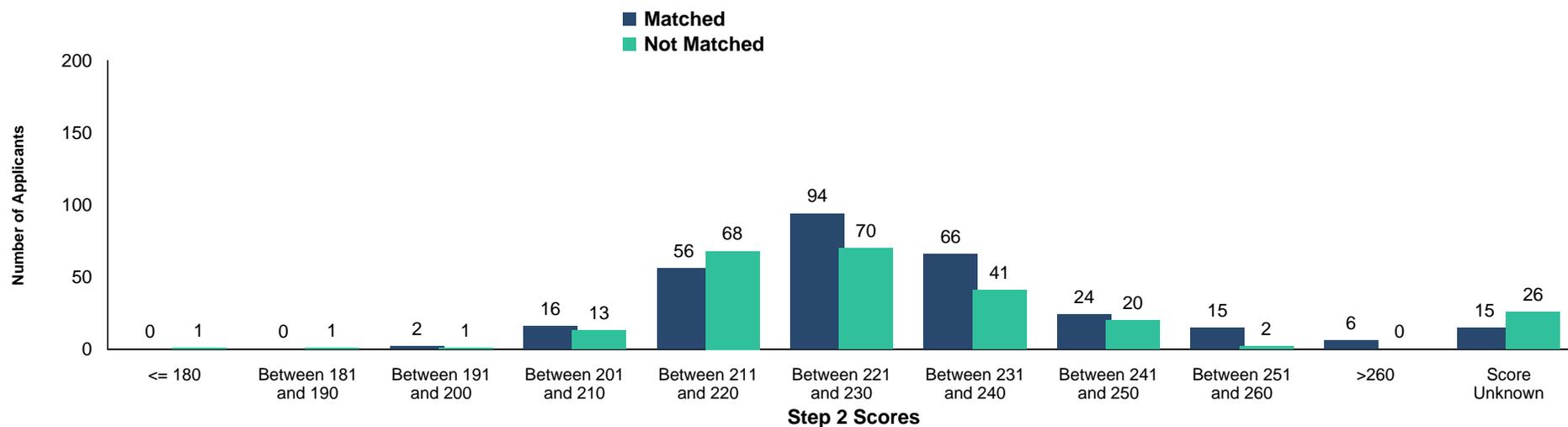
Source: NRMP Data Warehouse. Note: Probabilities calculated based on 2018-2020 applicants.

# USMLE Step 2 CK Scores of International Medical Graduates Family Medicine

## U.S. IMGs



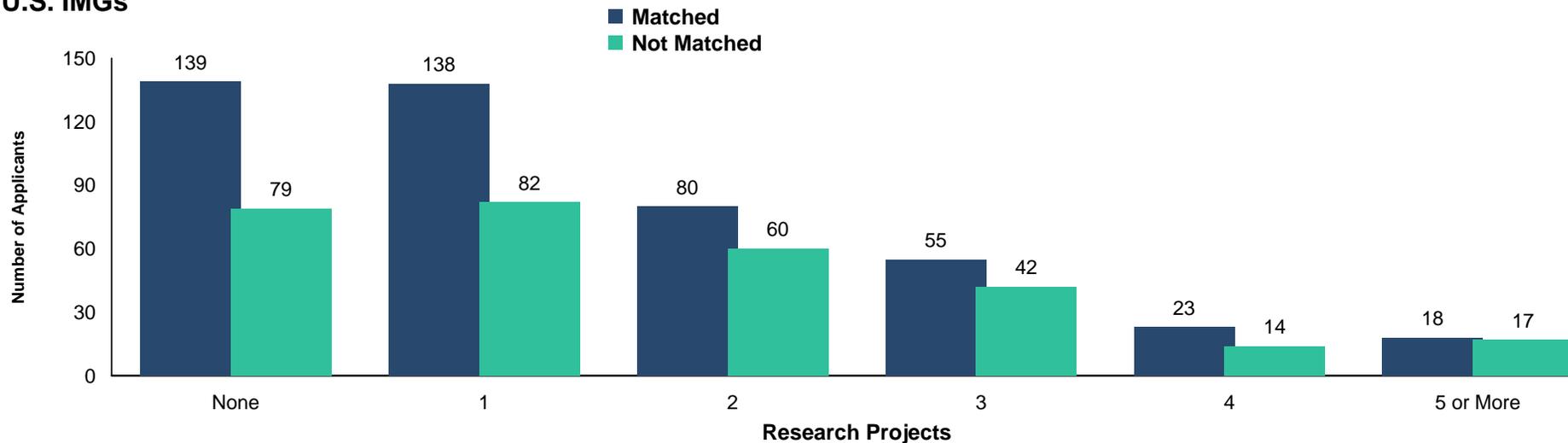
## Non-U.S. IMGs



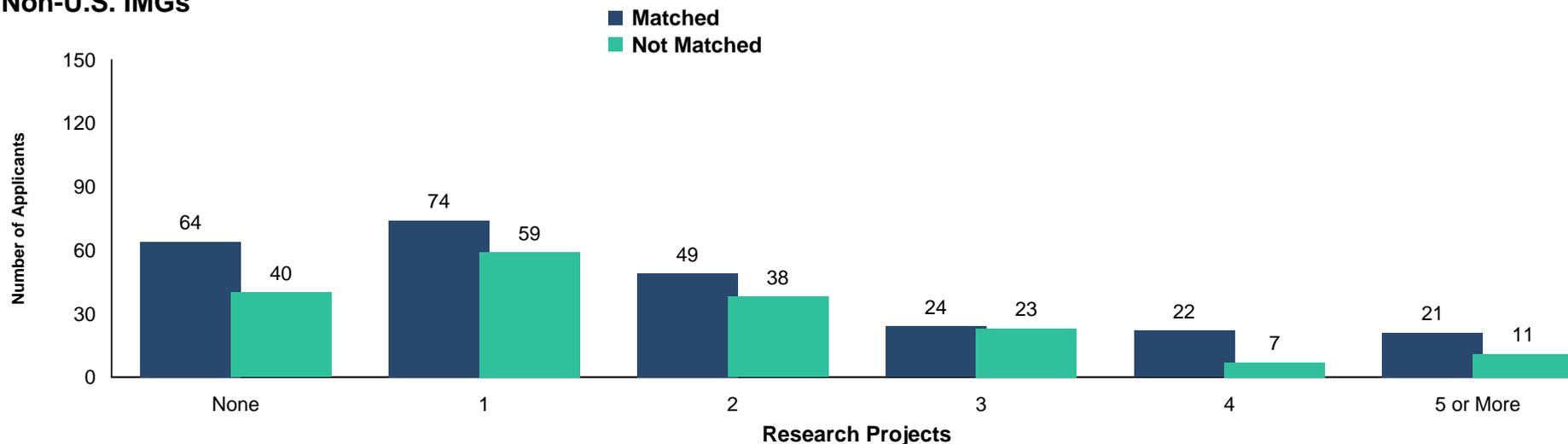
Source: NRMP Data Warehouse

## Number of Research Projects of International Medical Graduates *Family Medicine*

### U.S. IMGs



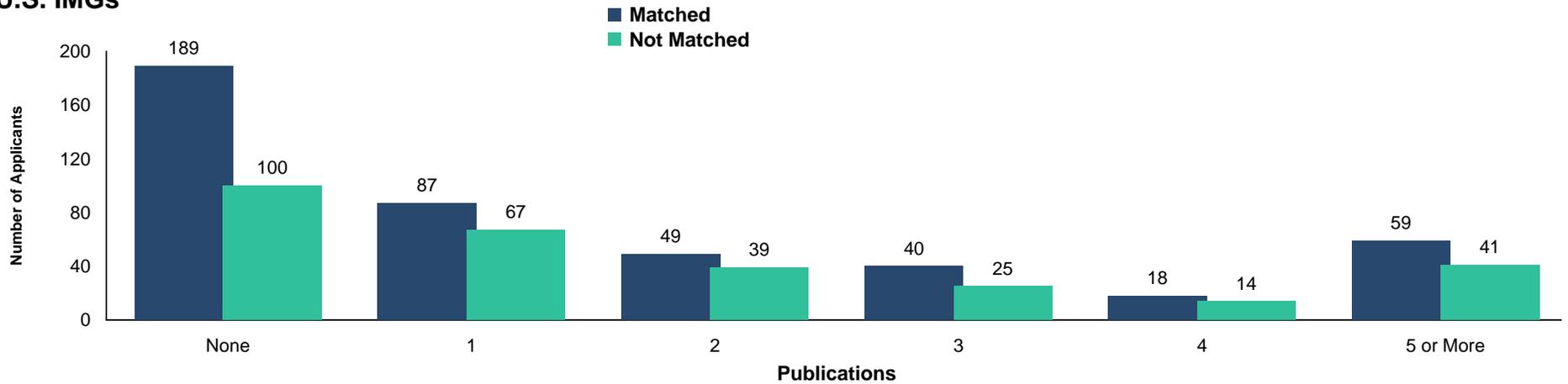
### Non-U.S. IMGs



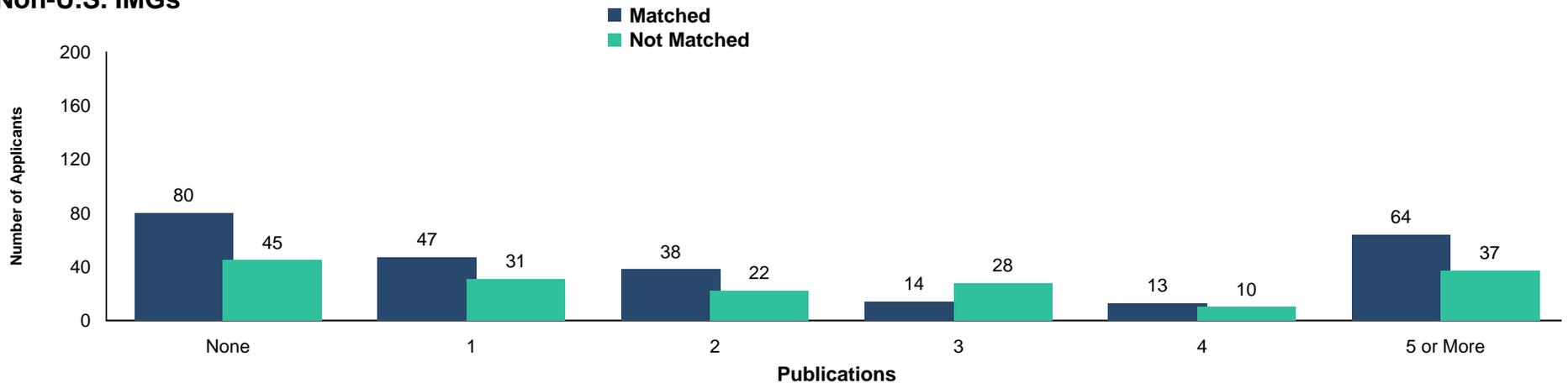
Source: NRMP Data Warehouse

# Number of Abstracts, Presentations, and Publications of International Medical Graduates *Family Medicine*

## U.S. IMGs



## Non-U.S. IMGs

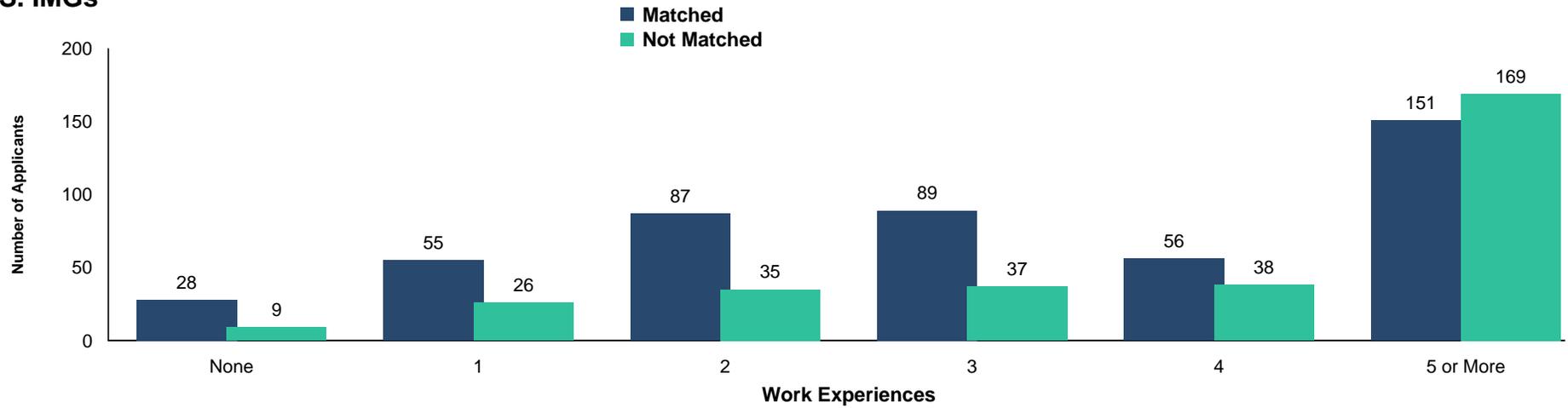


Source: NRMP Data Warehouse

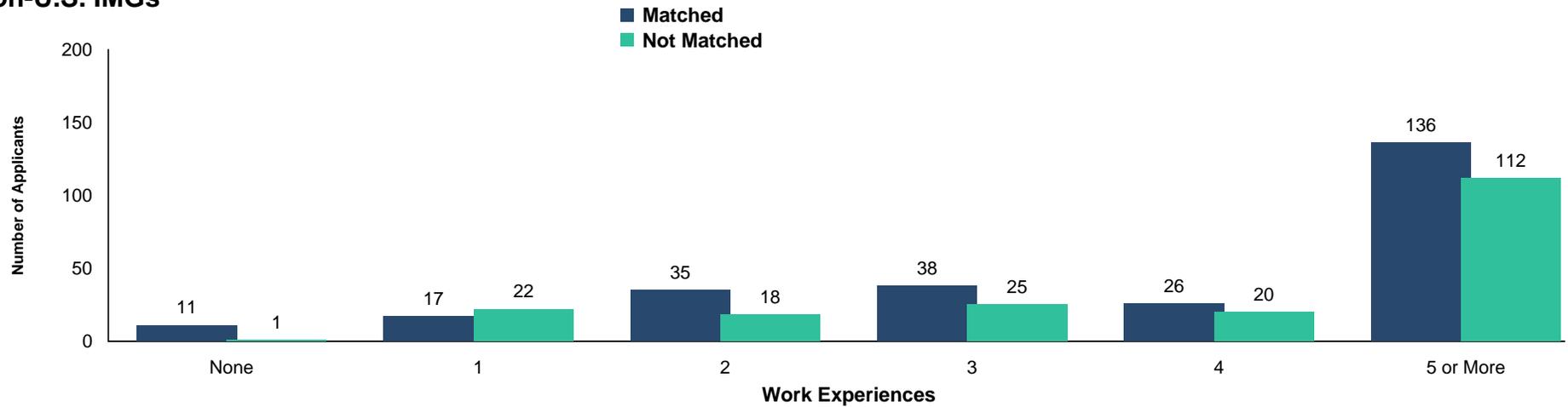
**Chart  
FM-7**

**Number of Work Experiences of International Medical Graduates  
Family Medicine**

**U.S. IMGs**



**Non-U.S. IMGs**

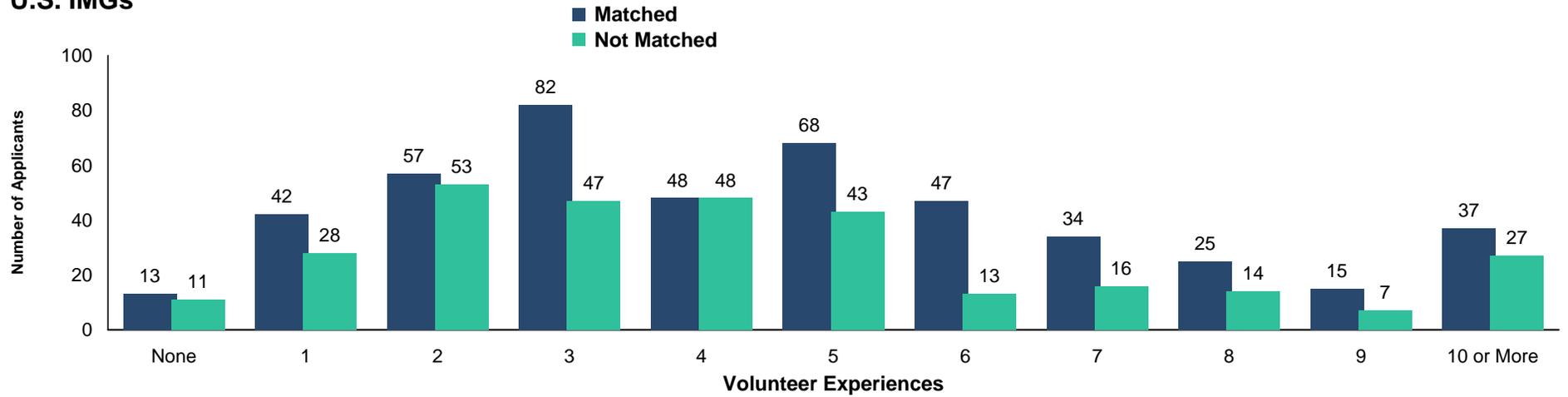


Source: NRMP Data Warehouse

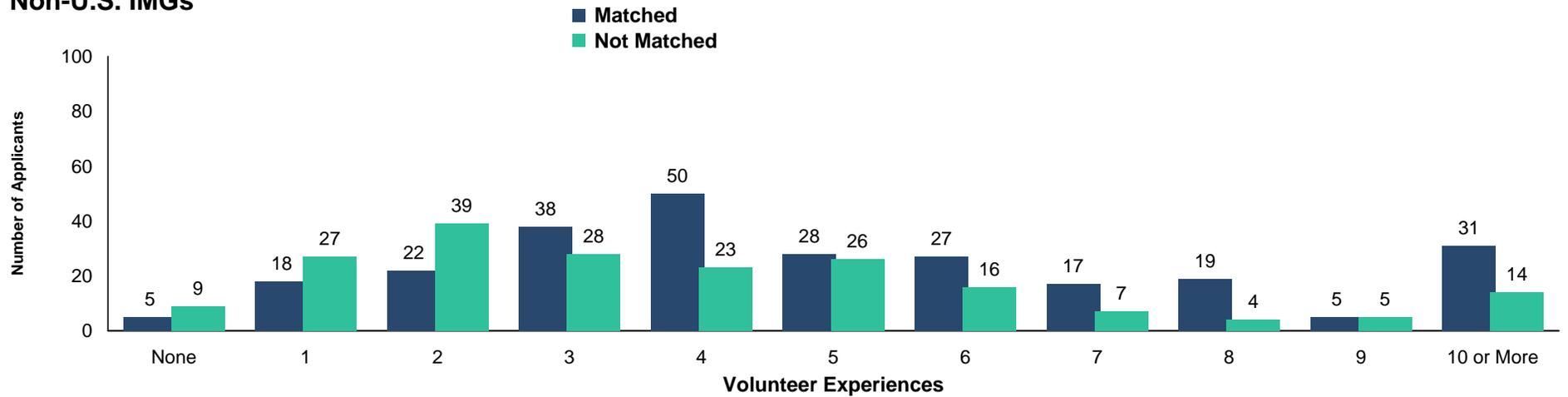
**Chart  
FM-8**

**Number of Volunteer Experiences of International Medical Graduates  
Family Medicine**

**U.S. IMGs**



**Non-U.S. IMGs**



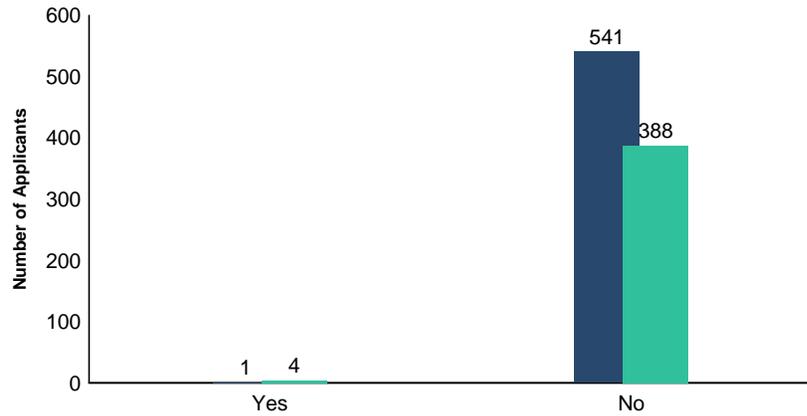
Source: NRMP Data Warehouse

**Chart  
FM-9**

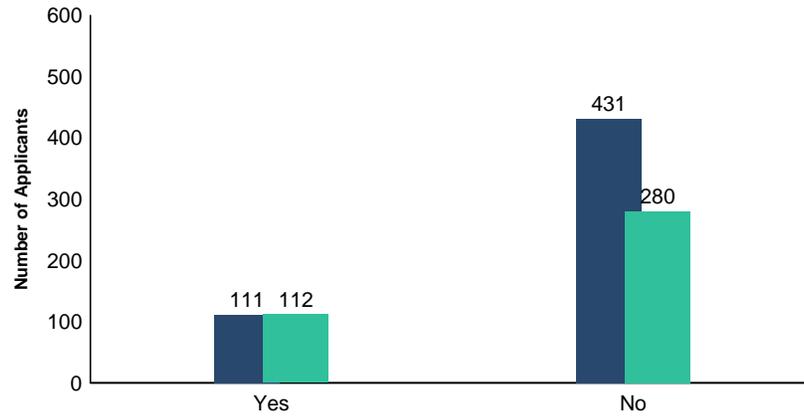
**Other Characteristics of International Medical Graduates  
Family Medicine**

**U.S. IMGs**

**Ph.D. Degree**

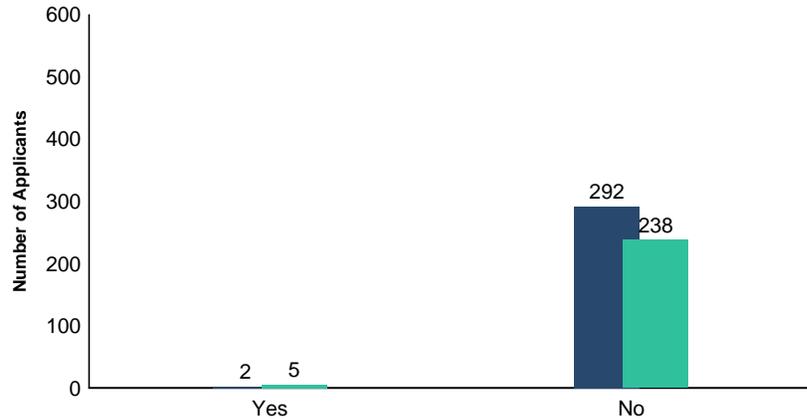


**Other Graduate Degree**

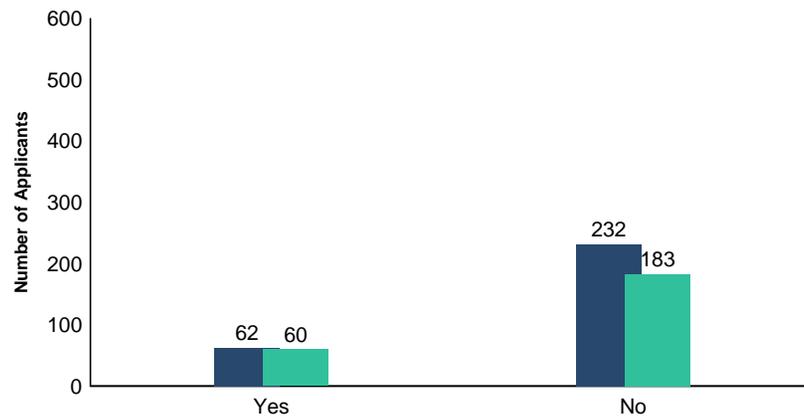


**Non-U.S. IMGs**

**Ph.D. Degree**



**Other Graduate Degree**



Source: NRMP Data Warehouse

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**GS** **General Surgery**

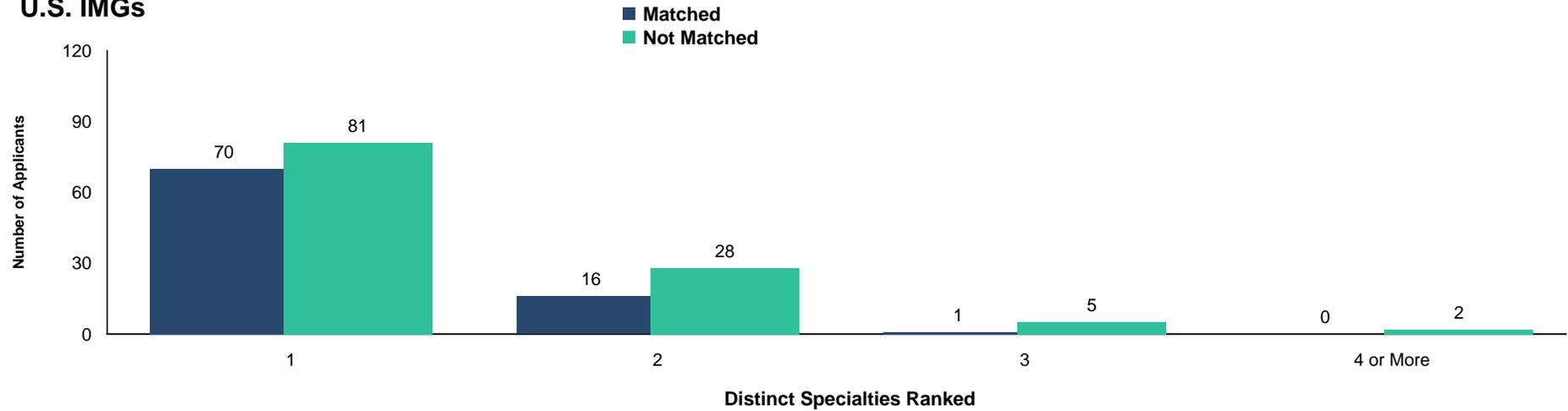
**Table** **Summary Statistics**  
**GS-1** **General Surgery**

Measure	U.S. IMGs		Non-U.S. IMGs	
	Matched (n=87)	Unmatched (n=116)	Matched (n=65)	Unmatched (n=146)
1. Mean number of contiguous ranks	7.8	2.5	4.0	2.3
2. Mean number of distinct specialties ranked	1.2	1.4	1.2	1.3
3. Mean USMLE Step 1 score	237	224	242	233
4. Mean USMLE Step 2 score	245	231	246	237
5. Mean number of research experiences	2.9	3.0	3.1	2.9
6. Mean number of abstracts, presentations, and publications	5.0	6.9	12.0	9.8
7. Mean number of work experiences	4.8	4.8	5.0	6.2
8. Mean number of volunteer experiences	4.9	4.5	4.7	3.7
9. Percentage who have a Ph.D. degree	0.0	0.0	3.2	3.7
10. Percentage who have another graduate degree	14.8	25.0	20.6	22.6

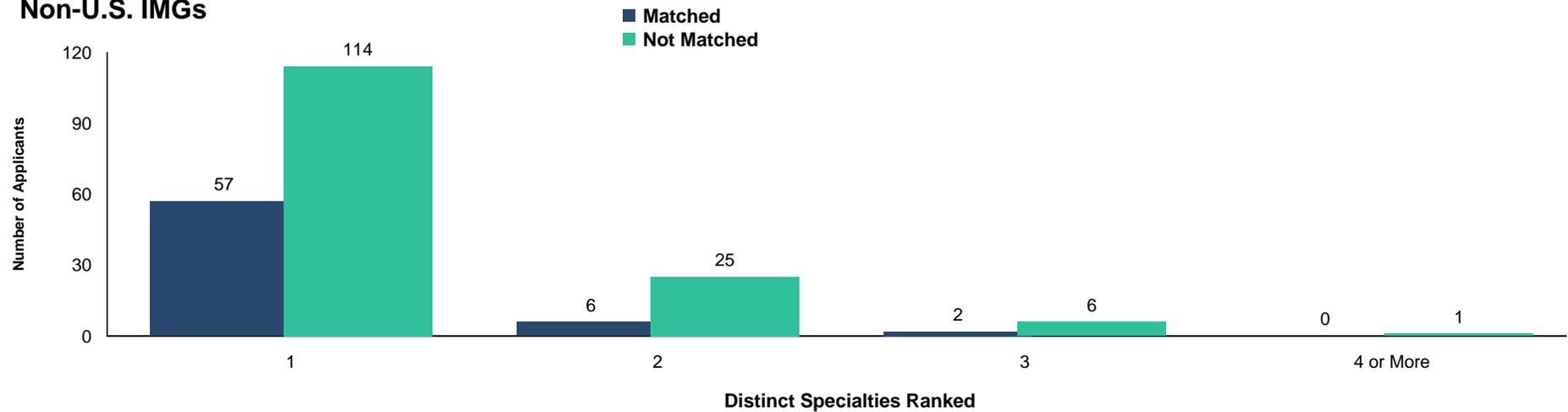
Note: Only applicants who gave consent to use their information in research are included.  
Source: NRMP Data Warehouse

# Number of Distinct Specialties Ranked by International Medical Graduates General Surgery

## U.S. IMGs



## Non-U.S. IMGs

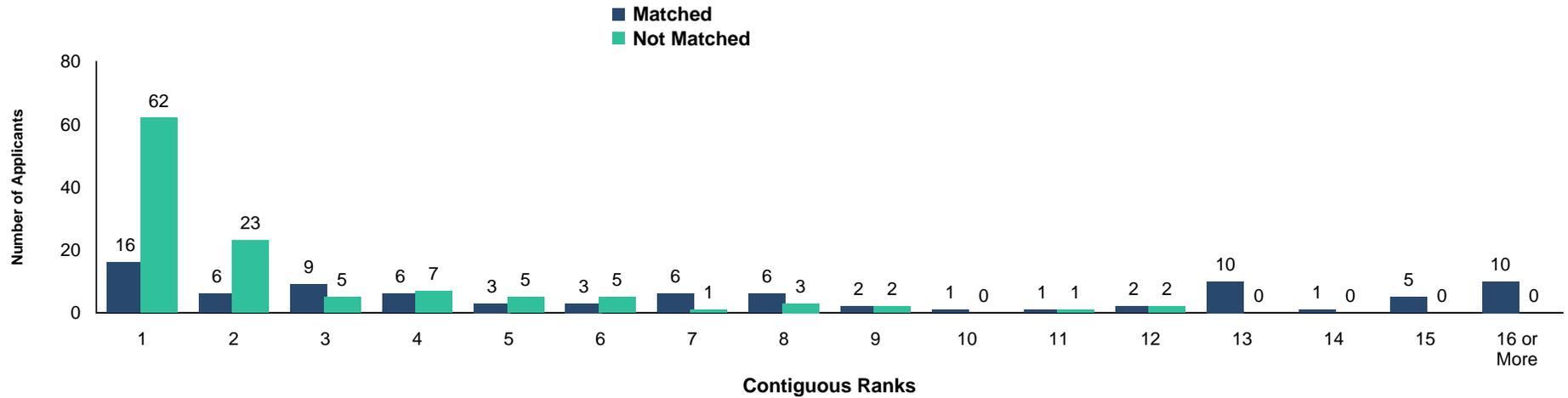


Source: NRMP Data Warehouse

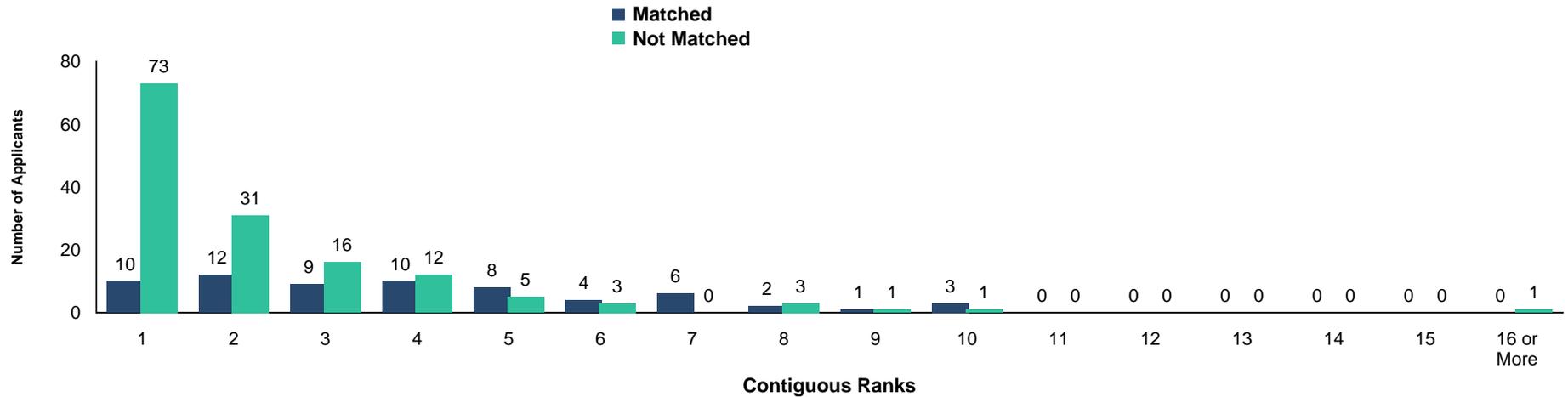
**Chart  
GS-2**

**Number of Contiguous Ranks of International Medical Graduates  
General Surgery**

**U.S. IMGs**



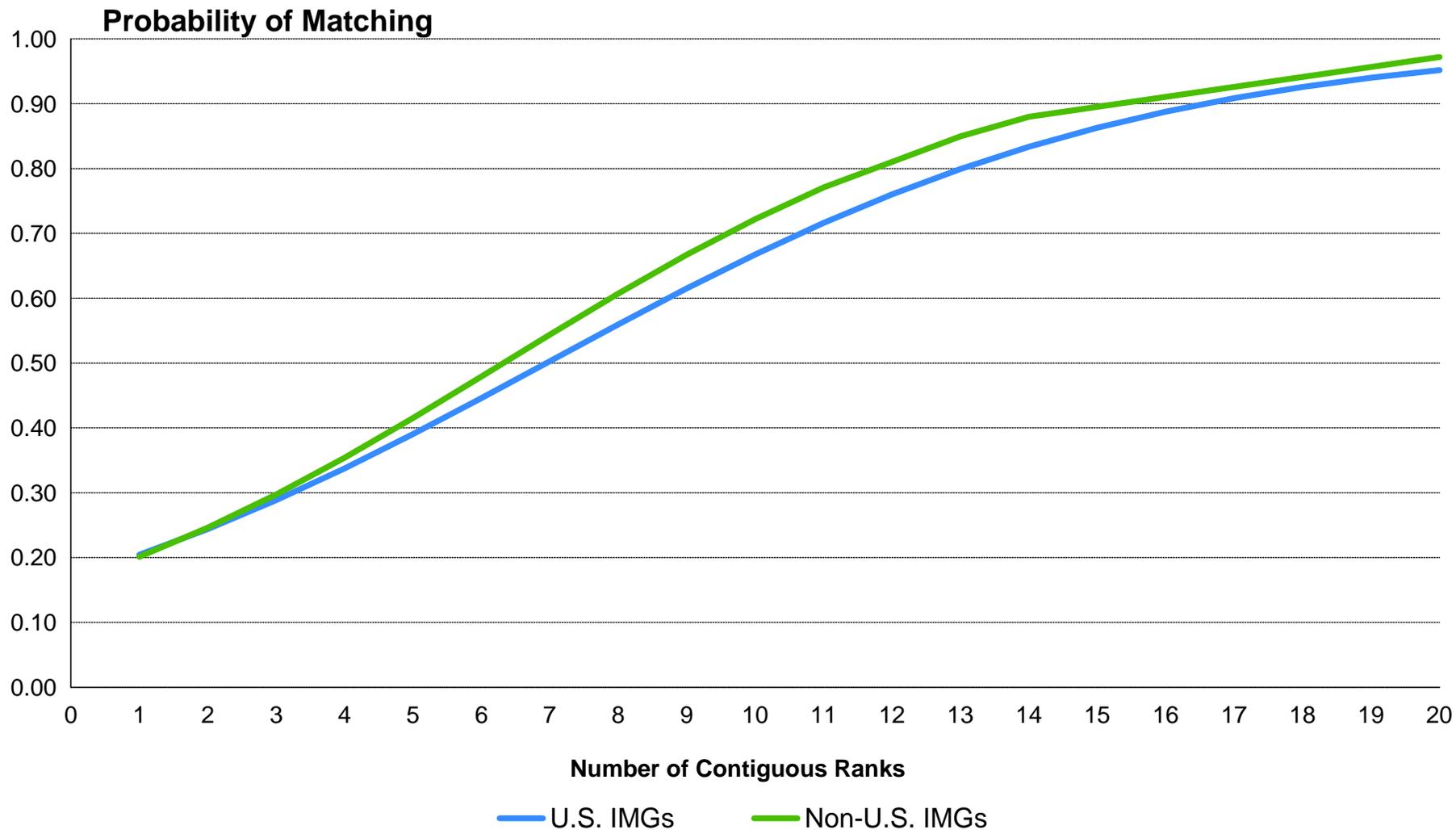
**Non-U.S. IMGs**



Source: NRMP Data Warehouse

**Graph  
GS-1**

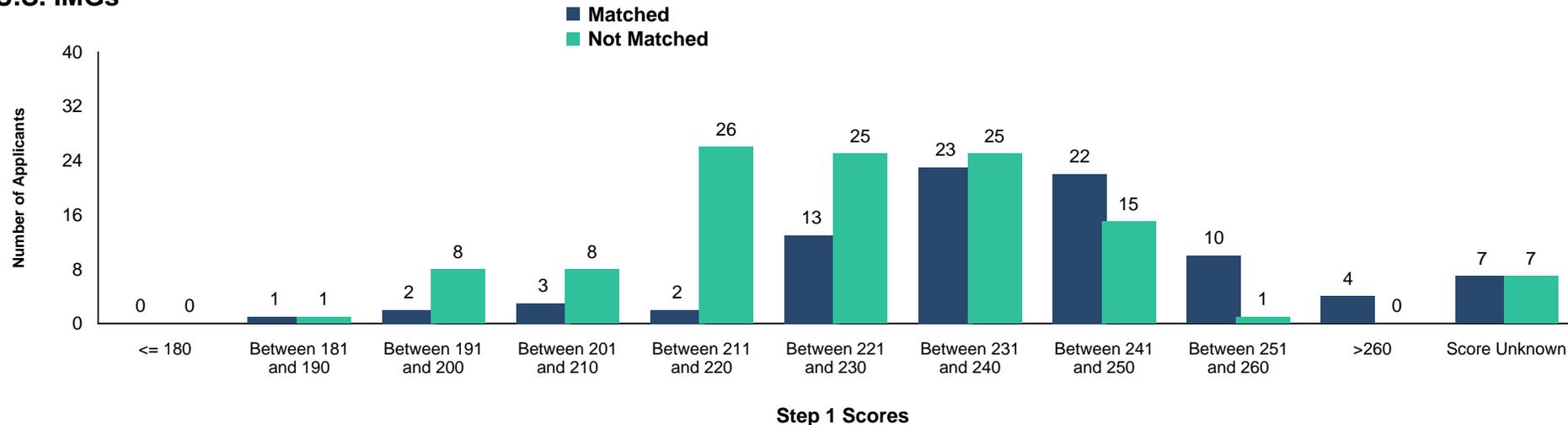
**Probability of International Medical Graduates Matching to Preferred Specialty by Number of Contiguous Ranks**  
*General Surgery*



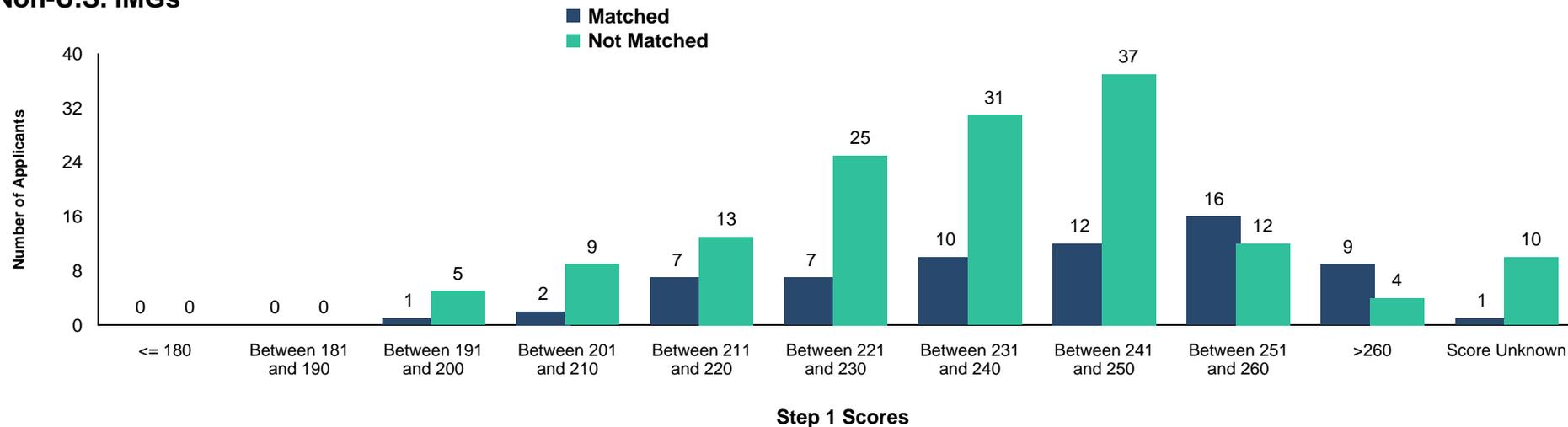
Source: NRMP Data Warehouse. Note: Probabilities calculated based on 2018-2020 applicants

# USMLE Step 1 Scores of International Medical Graduates General Surgery

## U.S. IMGs



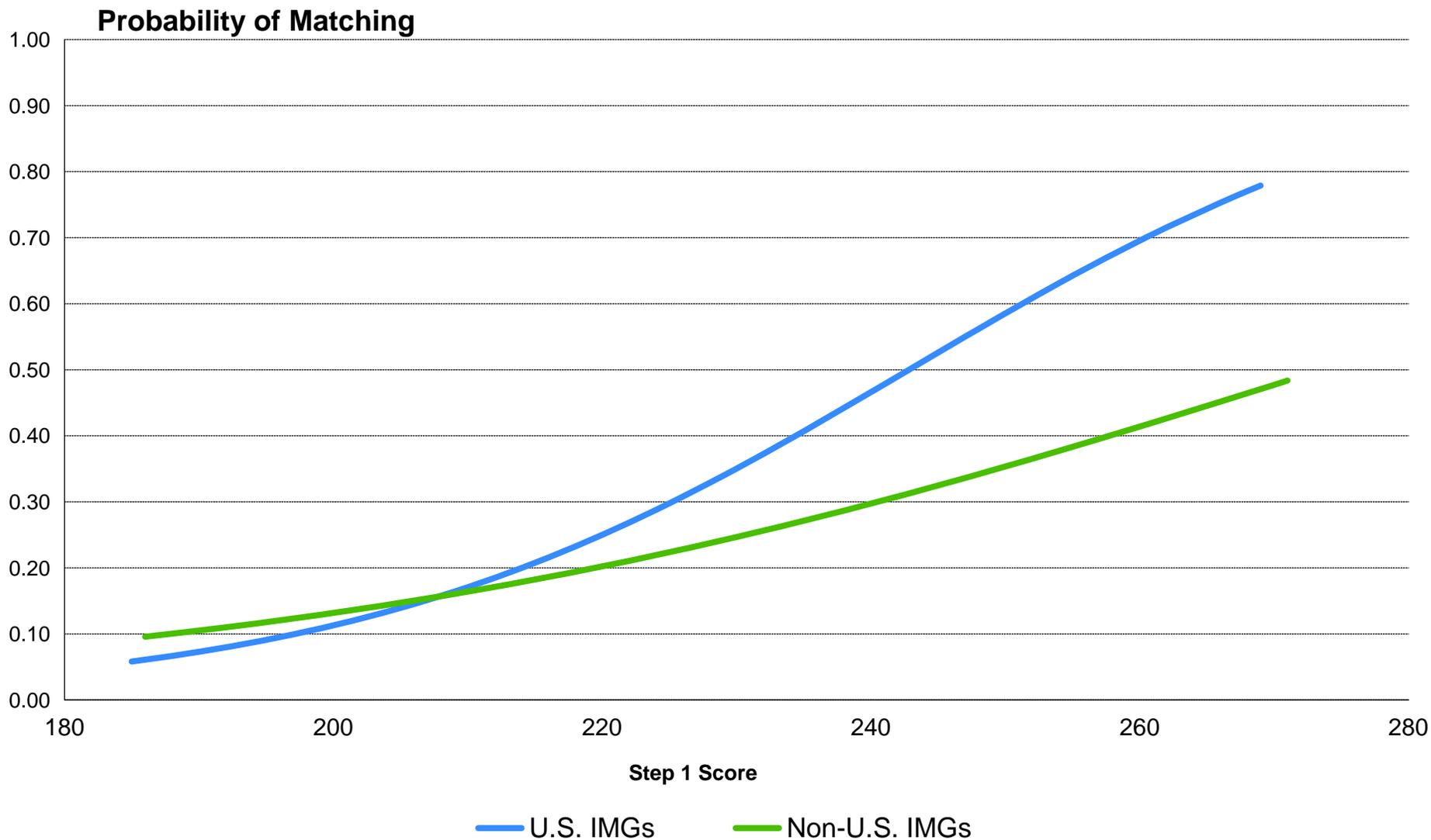
## Non-U.S. IMGs



Source: NRMP Data Warehouse

**Graph  
GS-2**

**Probability of International Medical Graduates Matching to Preferred Specialty by USMLE Step 1 Score**  
*General Surgery*

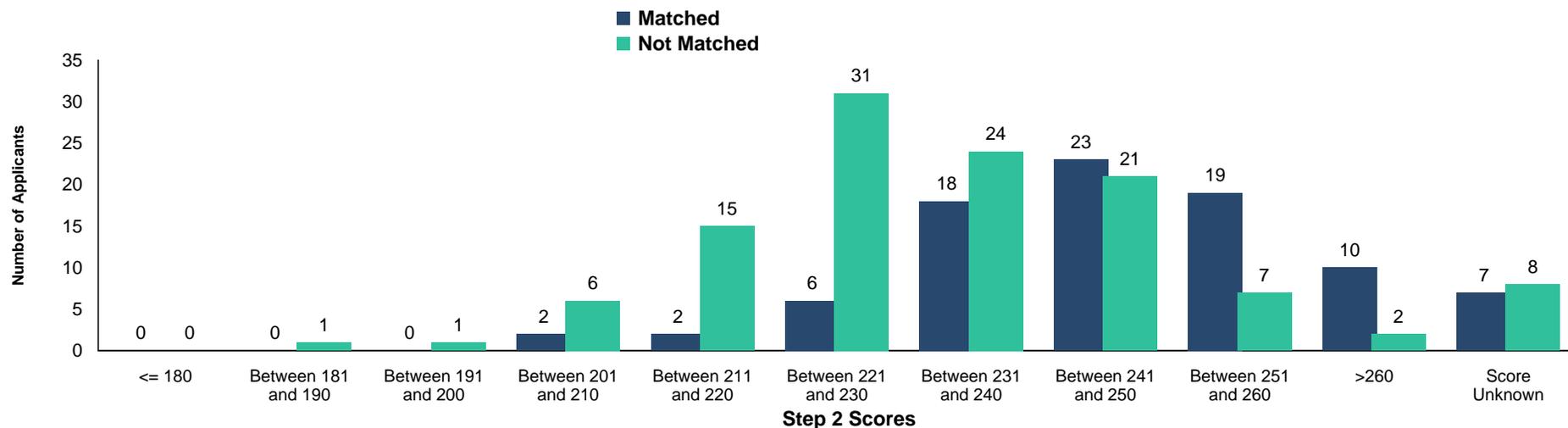


Source: NRMP Data Warehouse. Note: Probabilities calculated based on 2018-2020 applicants.

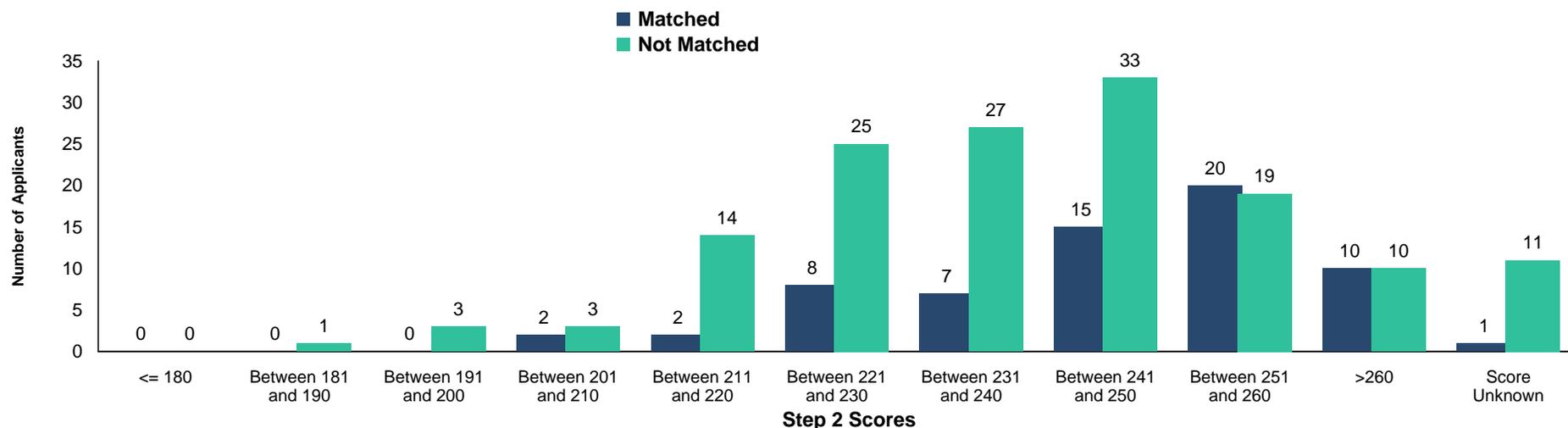
**Chart  
GS-4**

**USMLE Step 2 CK Scores of International Medical Graduates  
General Surgery**

**U.S. IMGs**



**Non-U.S. IMGs**

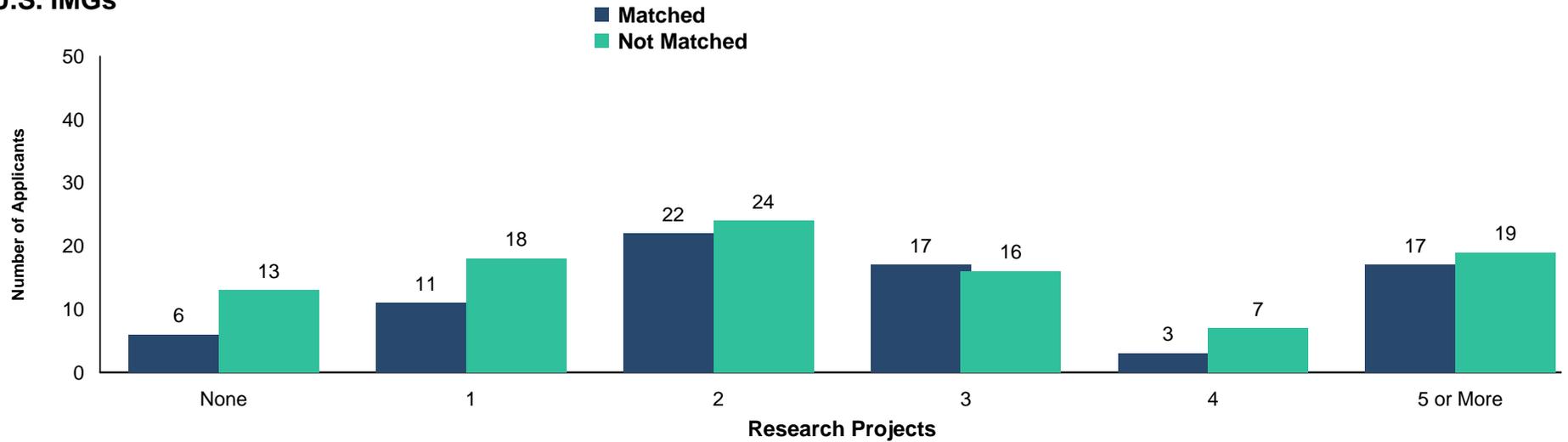


Source: NRMP Data Warehouse

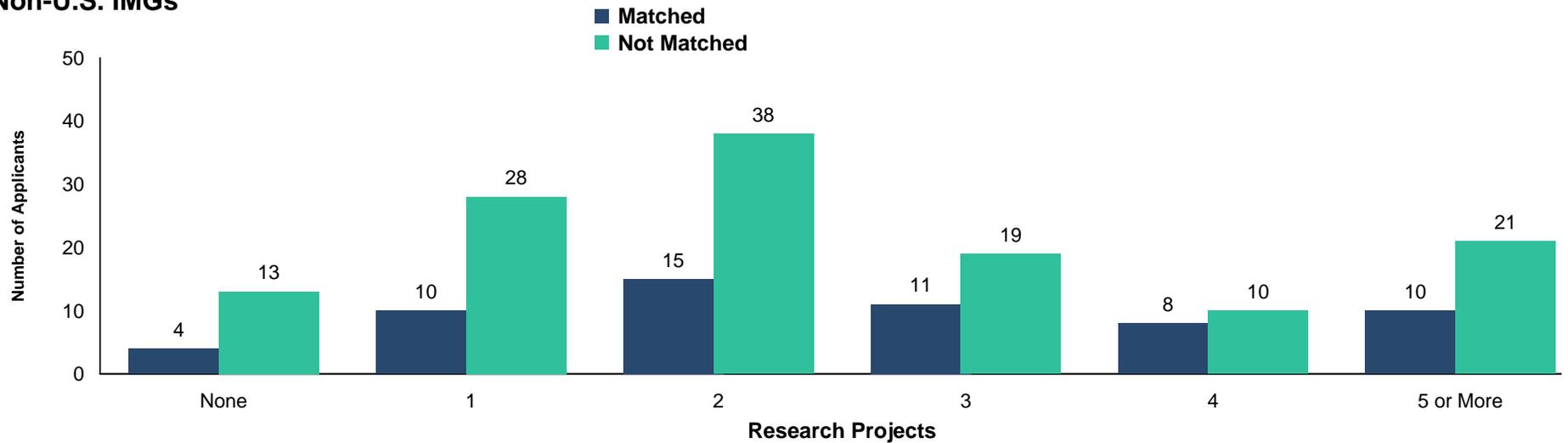
**Chart  
GS-5**

**Number of Research Projects of International Medical Graduates  
General Surgery**

**U.S. IMGs**



**Non-U.S. IMGs**

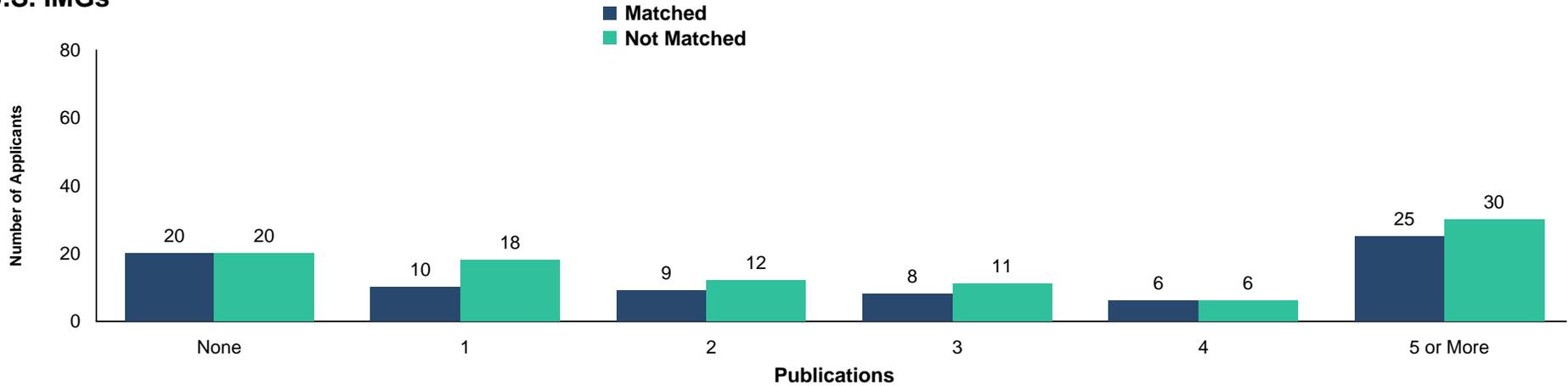


Source: NRMP Data Warehouse

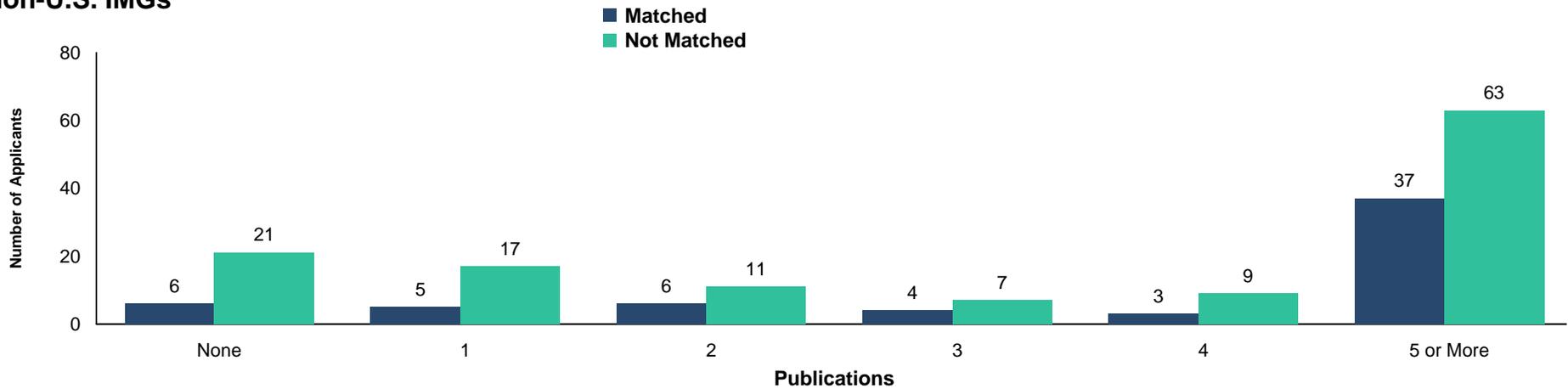
**Chart  
GS-6**

**Number of Abstracts, Presentations, and Publications of International Medical Graduates  
General Surgery**

**U.S. IMGs**



**Non-U.S. IMGs**

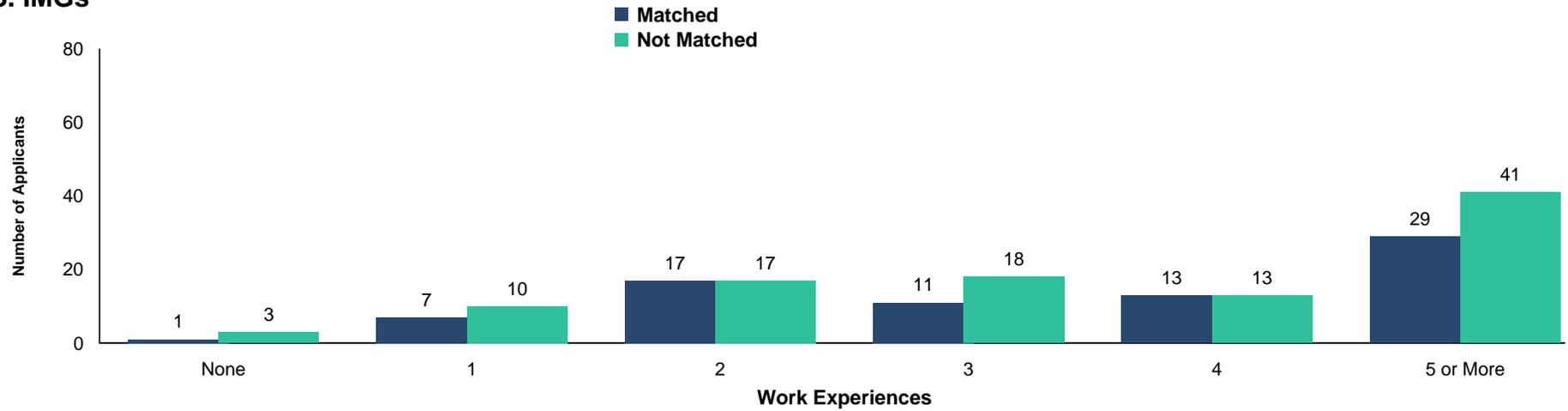


Source: NRMP Data Warehouse

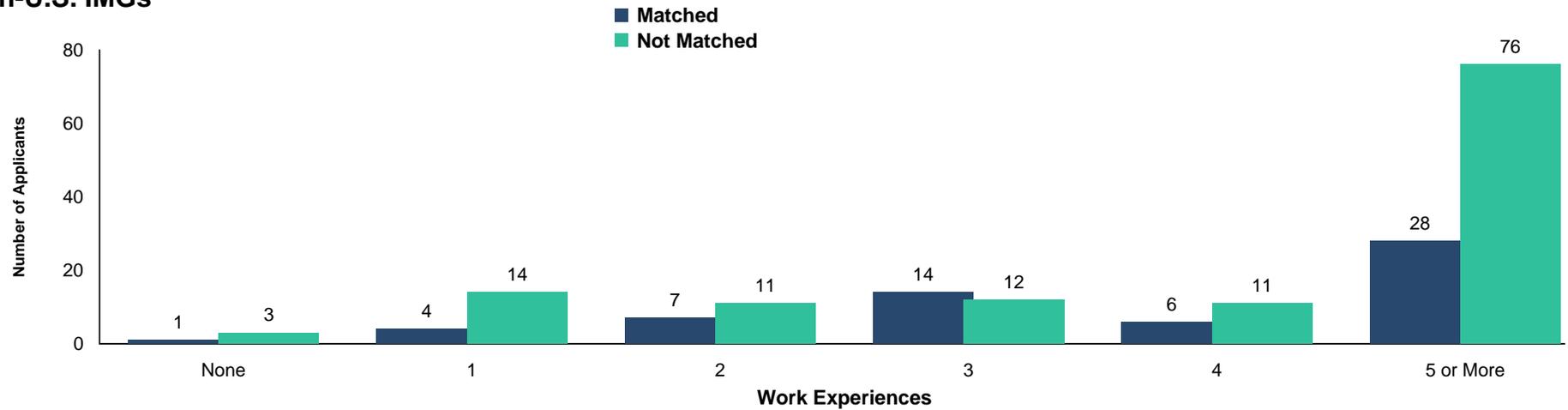
**Chart  
GS-7**

**Number of Work Experiences of International Medical Graduates  
General Surgery**

**U.S. IMGs**



**Non-U.S. IMGs**

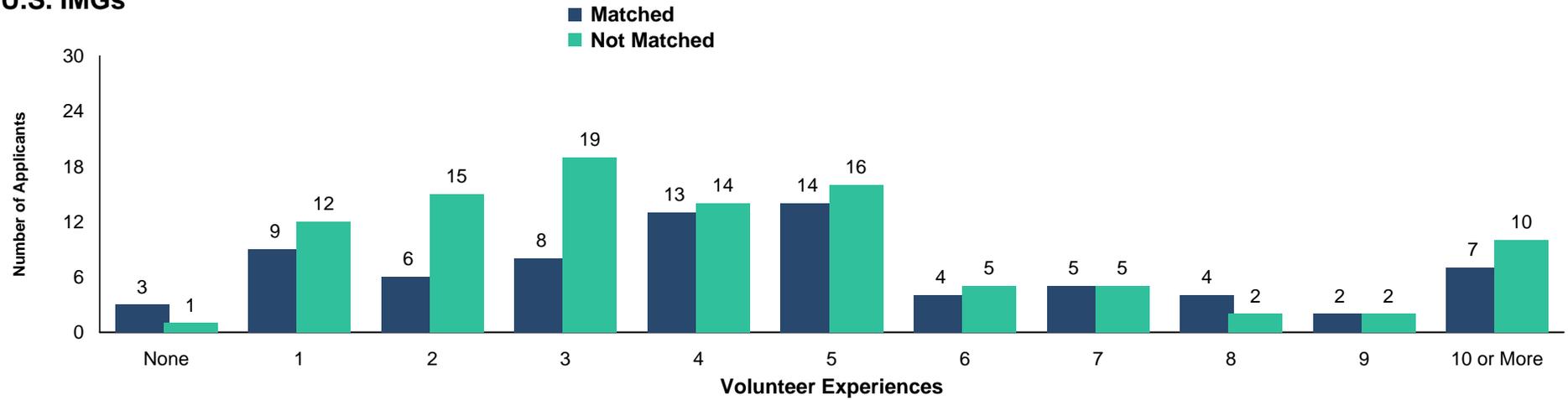


Source: NRMP Data Warehouse

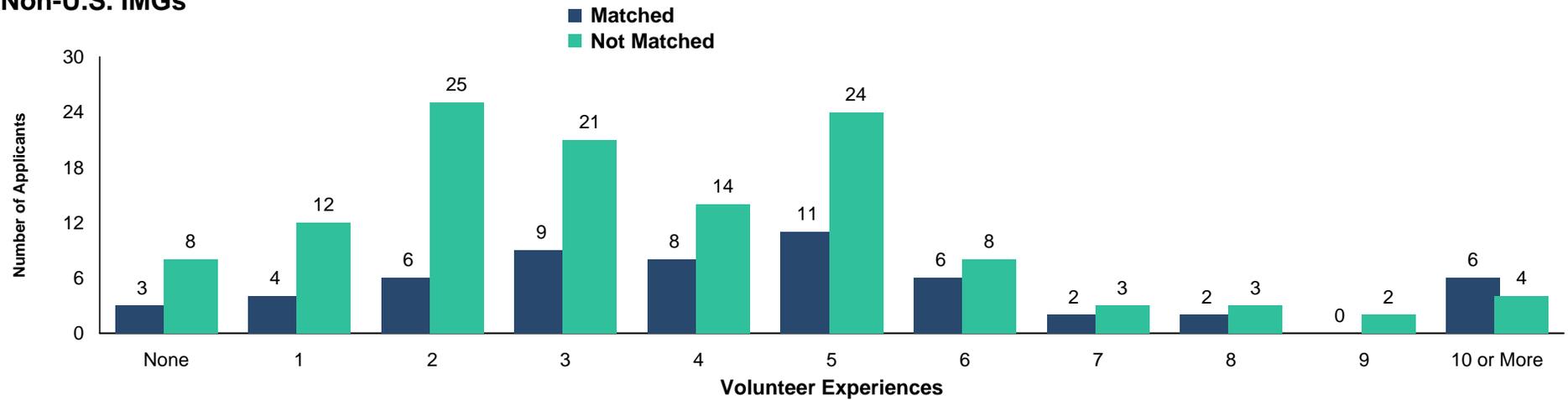
**Chart  
GS-8**

**Number of Volunteer Experiences of International Medical Graduates  
General Surgery**

**U.S. IMGs**



**Non-U.S. IMGs**



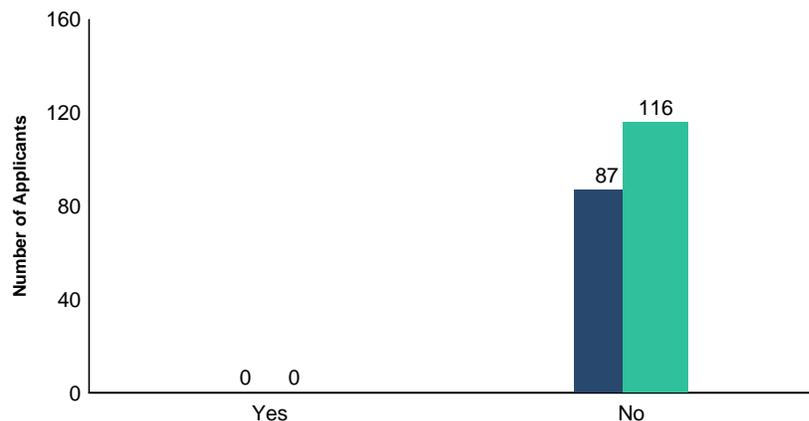
Source: NRMP Data Warehouse

**Chart  
GS-9**

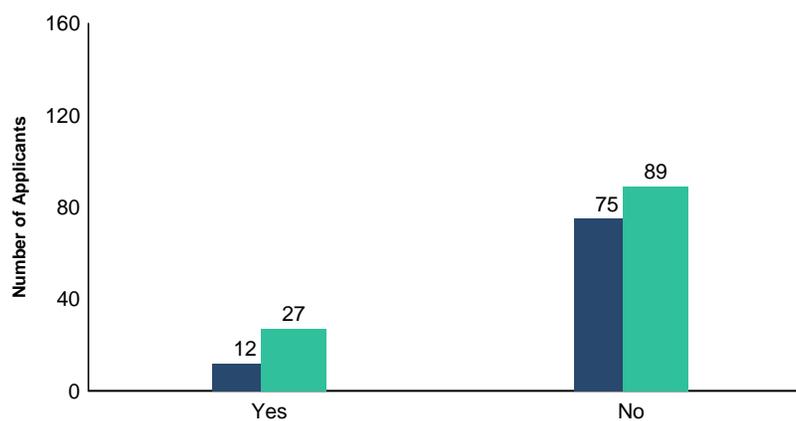
**Other Characteristics of International Medical Graduates  
General Surgery**

**U.S. IMGs**

**Ph.D. Degree**

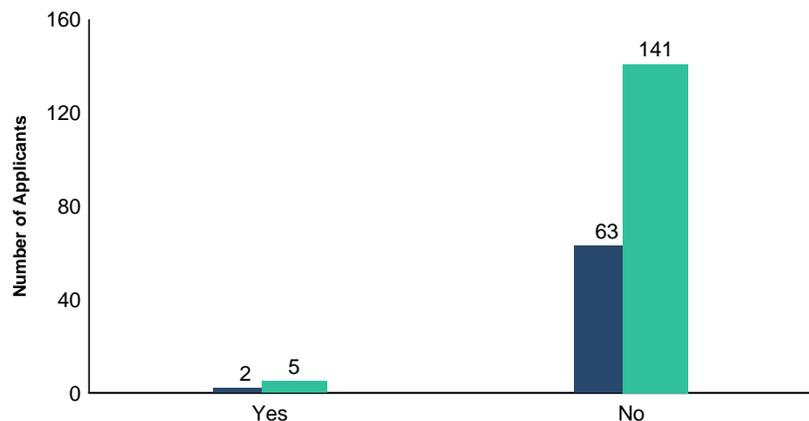


**Other Graduate Degree**

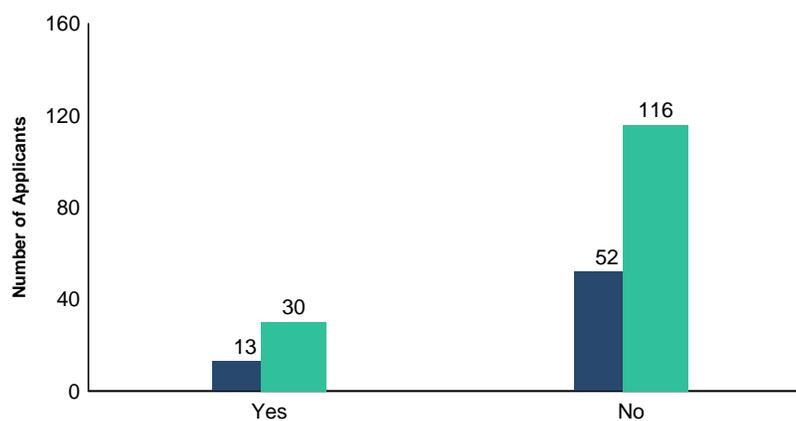


**Non-U.S. IMGs**

**Ph.D. Degree**



**Other Graduate Degree**



Source: NRMP Data Warehouse

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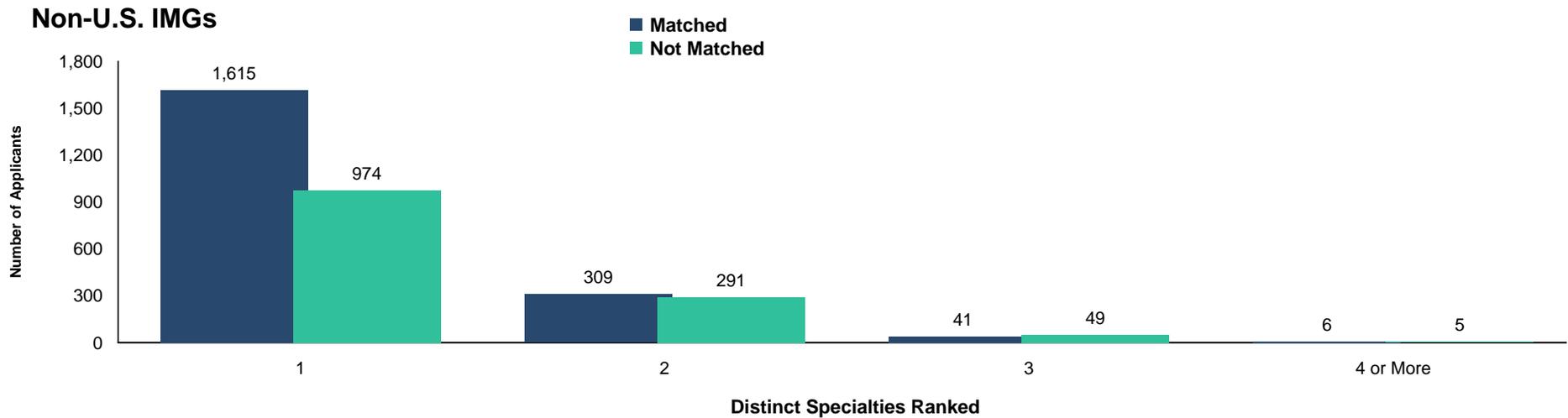
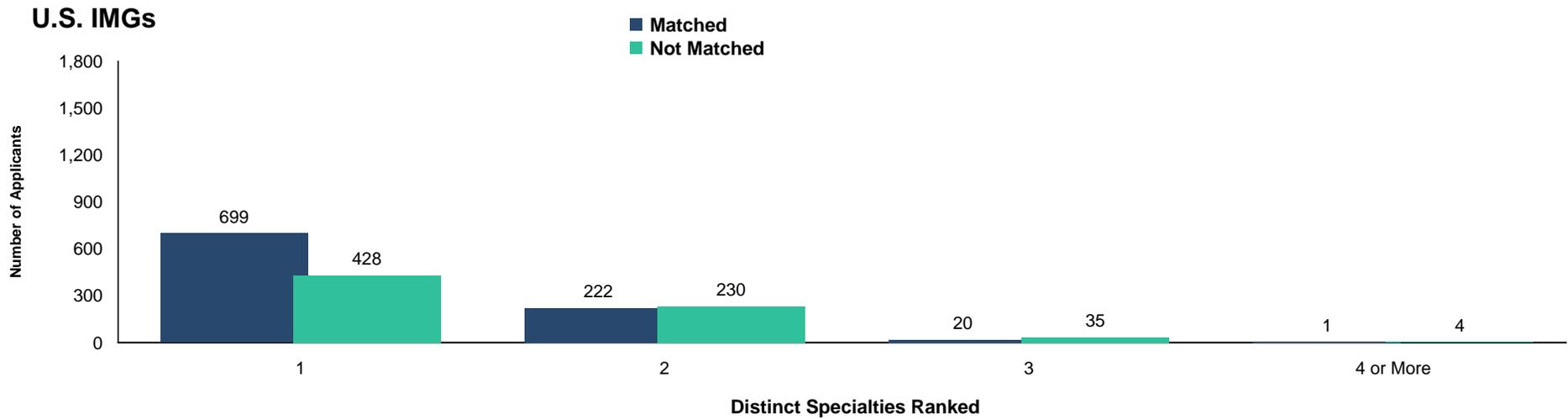
**IM** Internal Medicine

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

Measure	U.S. IMGs		Non-U.S. IMGs	
	Matched (n=942)	Unmatched (n=698)	Matched (n=1,974)	Unmatched (n=1,320)
1. Mean number of contiguous ranks	8.6	2.0	7.2	2.5
2. Mean number of distinct specialties ranked	1.3	1.5	1.2	1.3
3. Mean USMLE Step 1 score	226	210	237	223
4. Mean USMLE Step 2 score	235	221	243	230
5. Mean number of research experiences	2.0	3.4	2.2	2.1
6. Mean number of abstracts, presentations, and publications	2.9	3.4	5.1	5.1
7. Mean number of work experiences	4.2	5.7	6.2	6.4
8. Mean number of volunteer experiences	4.2	3.7	4.0	3.7
9. Percentage who have a Ph.D. degree	1.0	1.8	1.7	1.8
10. Percentage who have another graduate degree	18.3	29.6	17.0	21.9

Note: Only applicants who gave consent to use their information in research are included.  
Source: NRMP Data Warehouse

## Number of Distinct Specialties Ranked by International Medical Graduates Internal Medicine

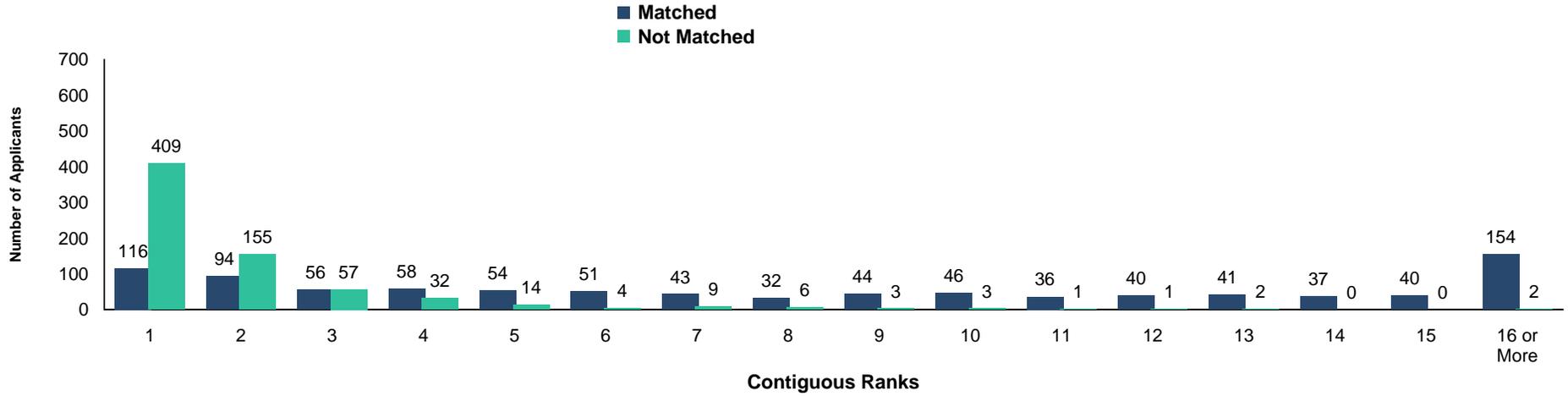


Source: NRMP Data Warehouse

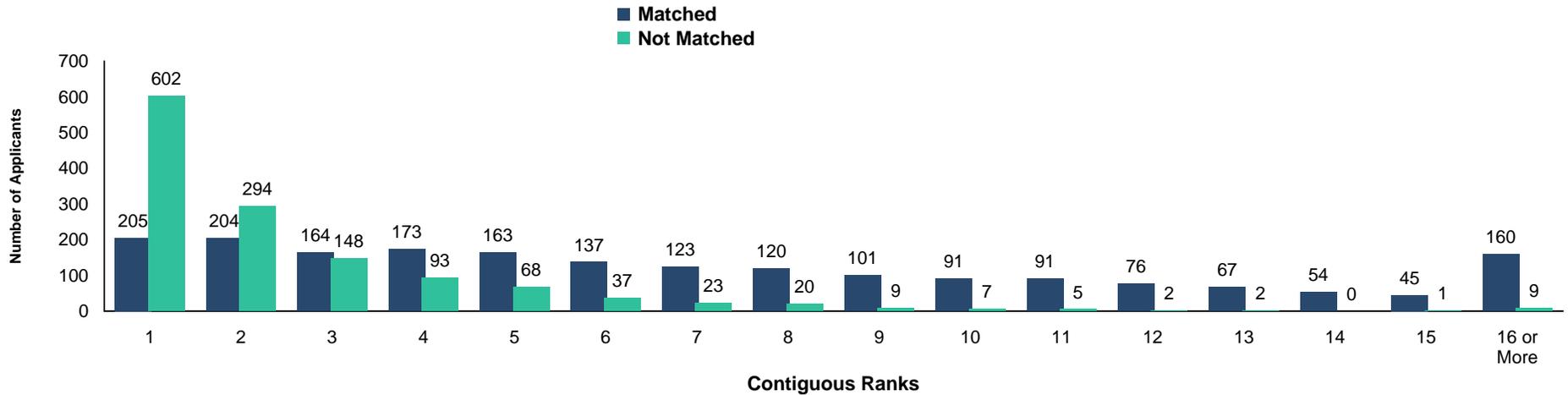
**Chart  
IM-2**

**Number of Contiguous Ranks of International Medical Graduates  
Internal Medicine**

**U.S. IMGs**



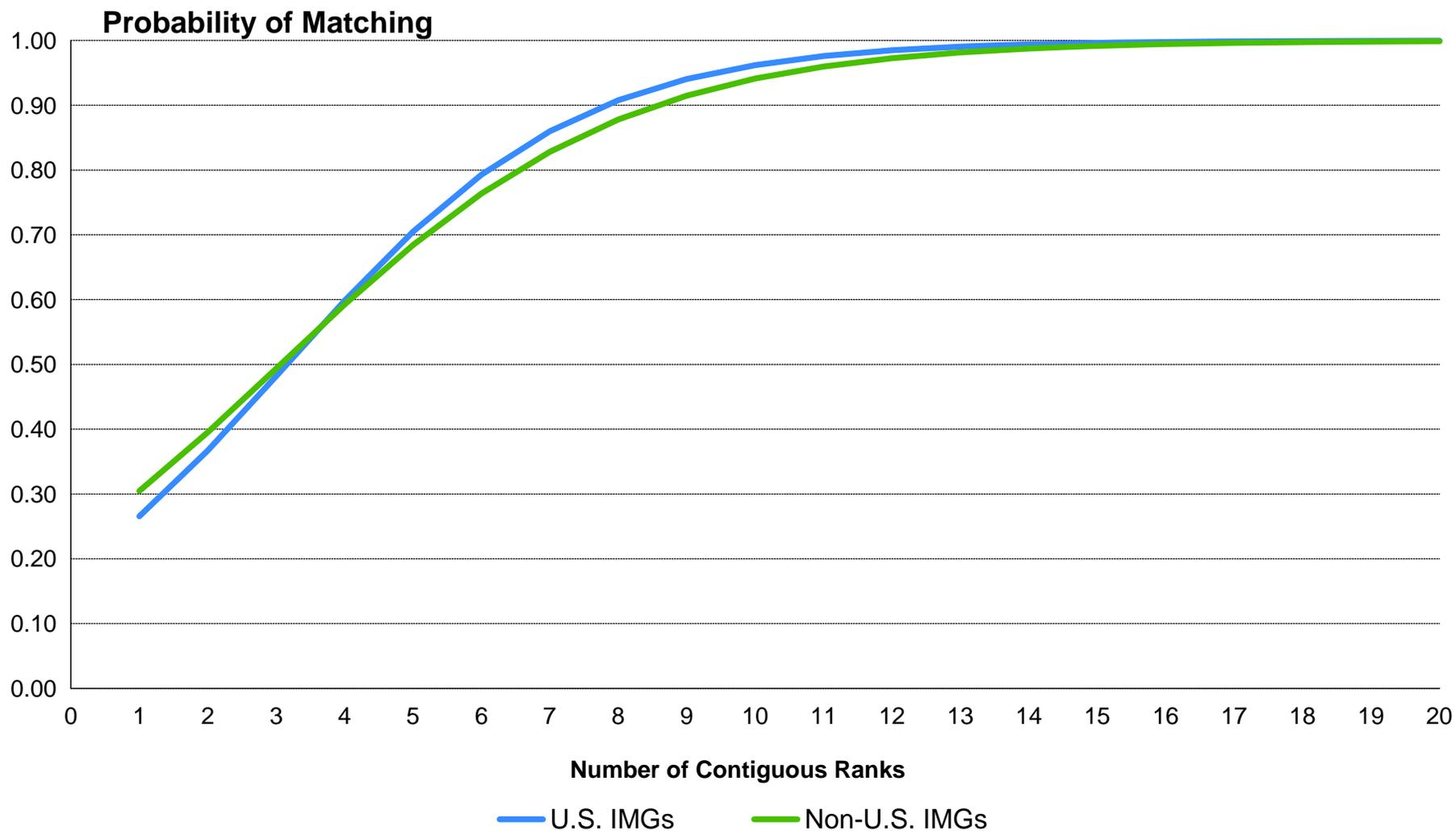
**Non-U.S. IMGs**



Source: NRMP Data Warehouse

**Graph  
IM-1**

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

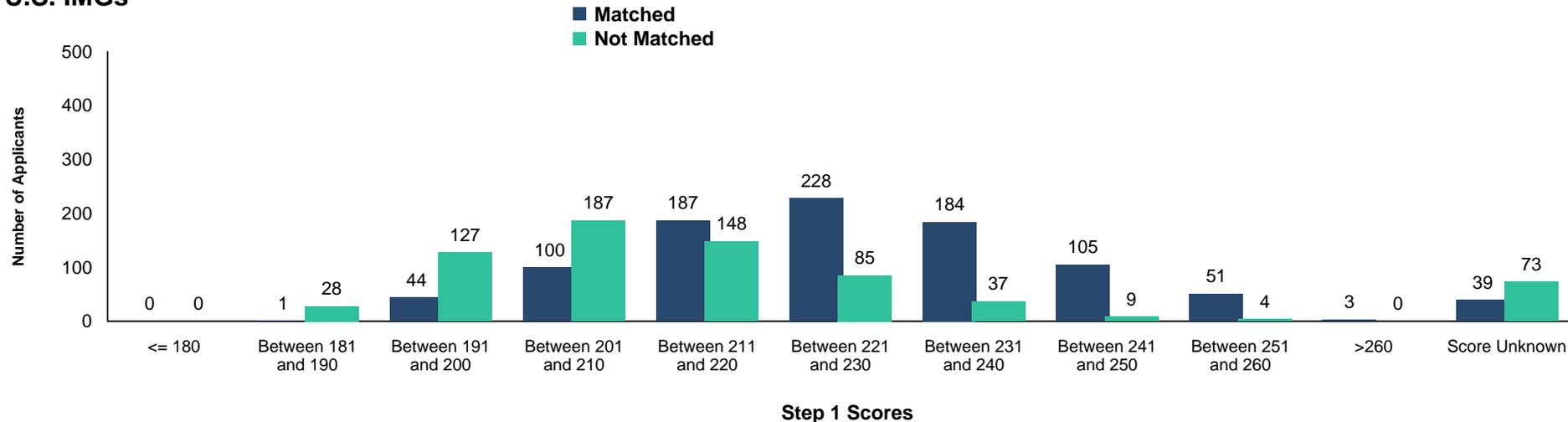


Source: NRMP Data Warehouse. Note: Probabilities calculated based on 2018-2020 applicants

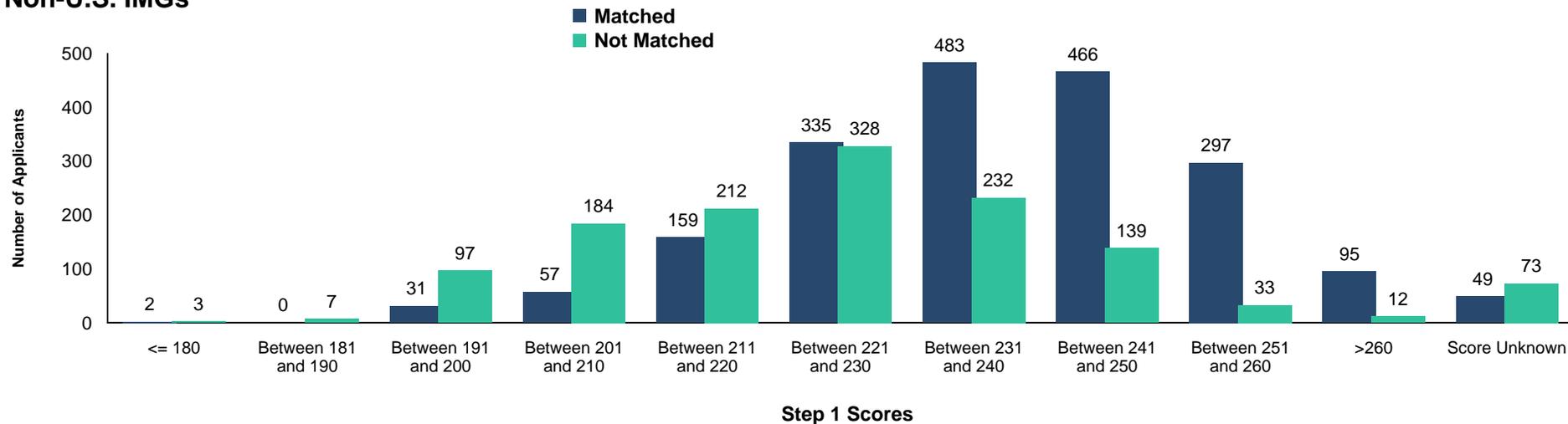
**Chart  
IM-3**

**USMLE Step 1 Scores of International Medical Graduates  
Internal Medicine**

**U.S. IMGs**



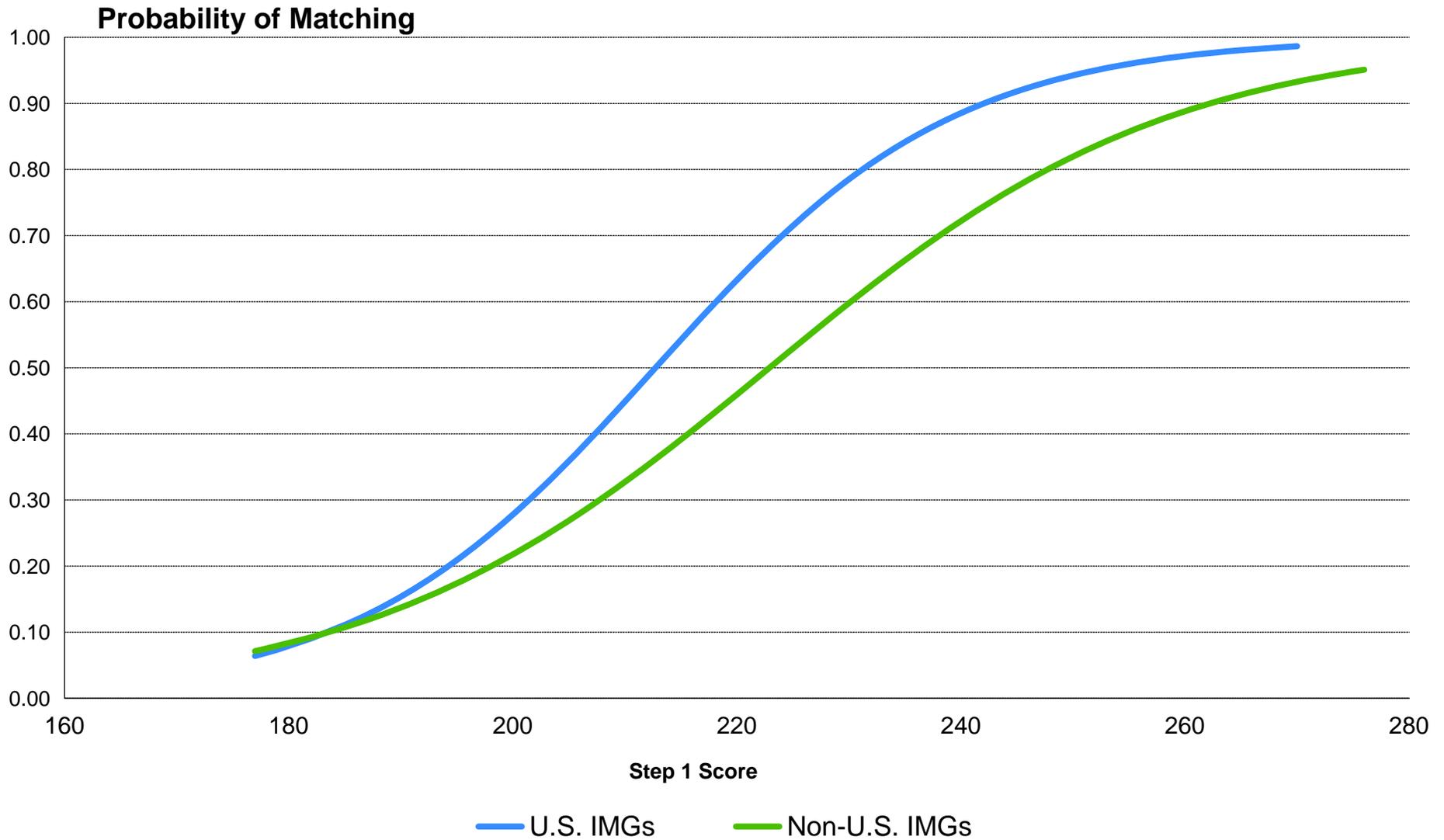
**Non-U.S. IMGs**



Source: NRMP Data Warehouse

**Graph  
IM-2**

**Probability of International Medical Graduates Matching to Preferred Specialty by USMLE Step 1 Score**  
*Internal Medicine*

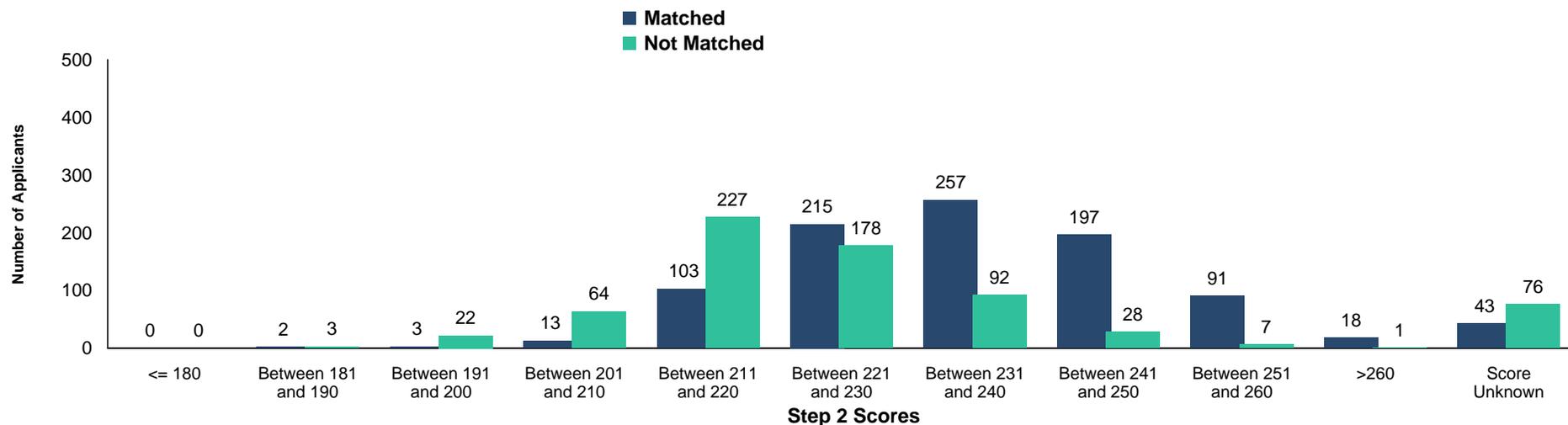


Source: NRMP Data Warehouse. Note: Probabilities calculated based on 2018-2020 applicants.

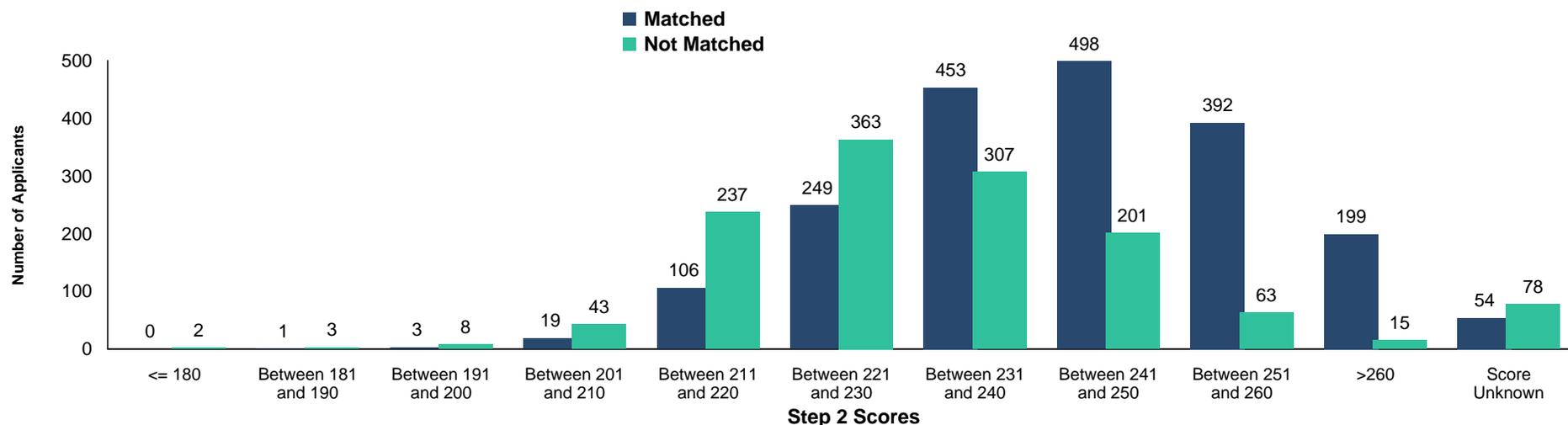
**Chart  
IM-4**

**USMLE Step 2 CK Scores of International Medical Graduates  
Internal Medicine**

**U.S. IMGs**



**Non-U.S. IMGs**

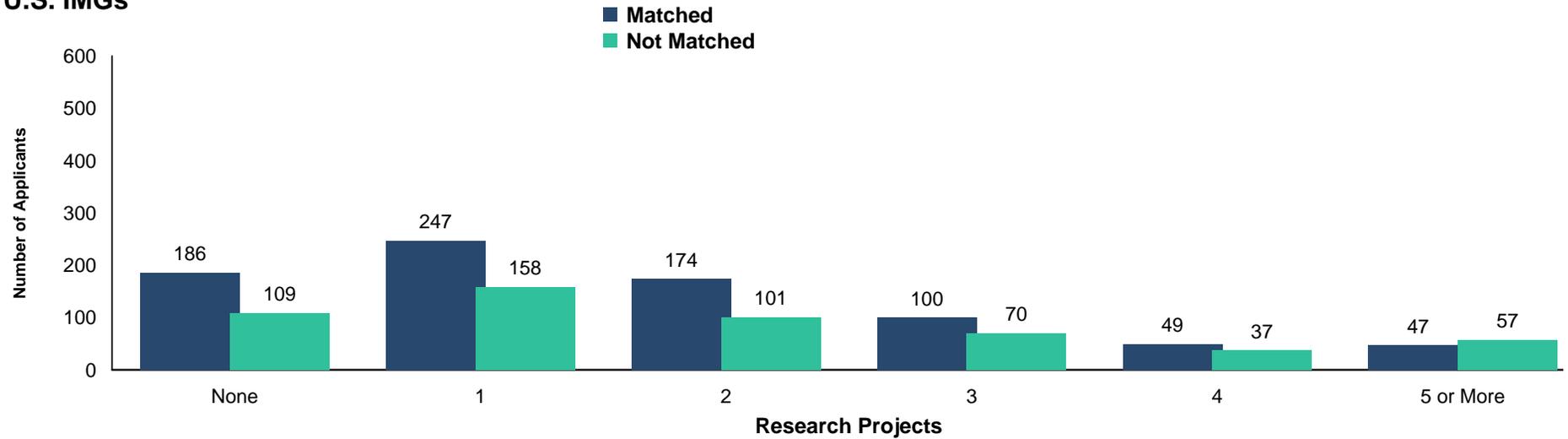


Source: NRMP Data Warehouse

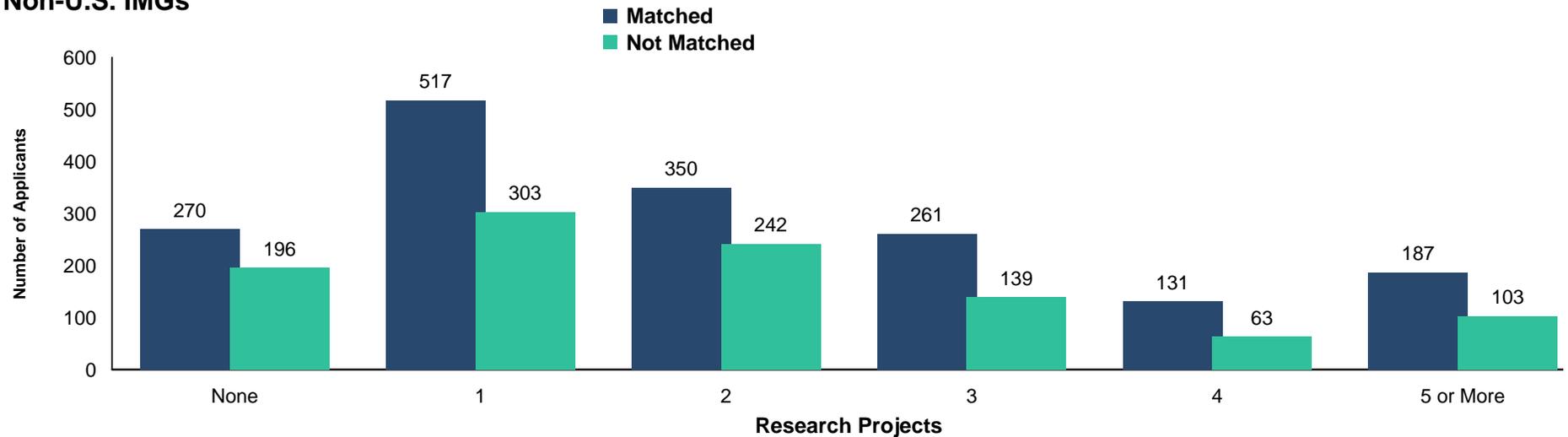
**Chart  
IM-5**

**Number of Research Projects of International Medical Graduates  
*Internal Medicine***

**U.S. IMGs**



**Non-U.S. IMGs**

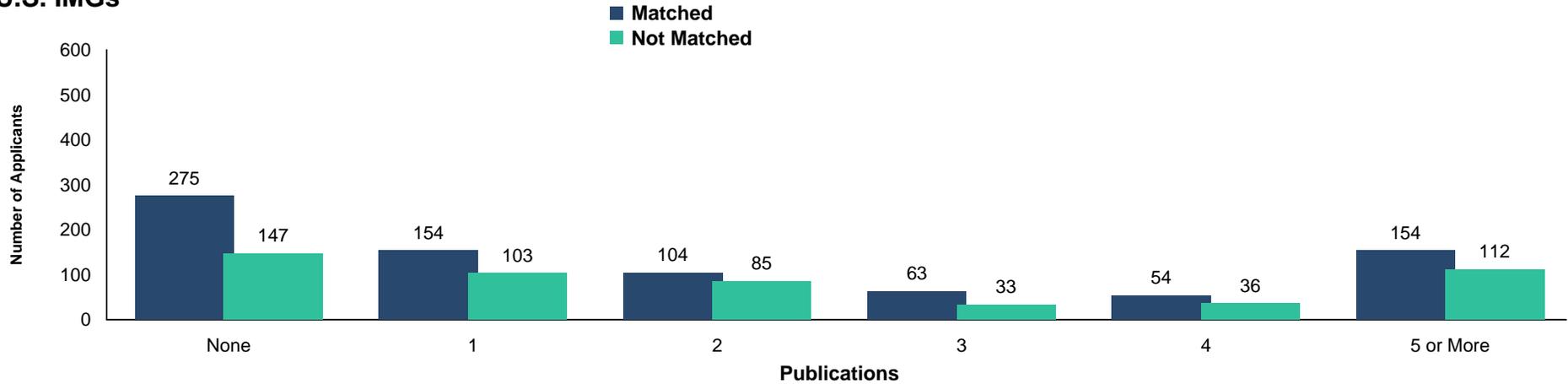


Source: NRMP Data Warehouse

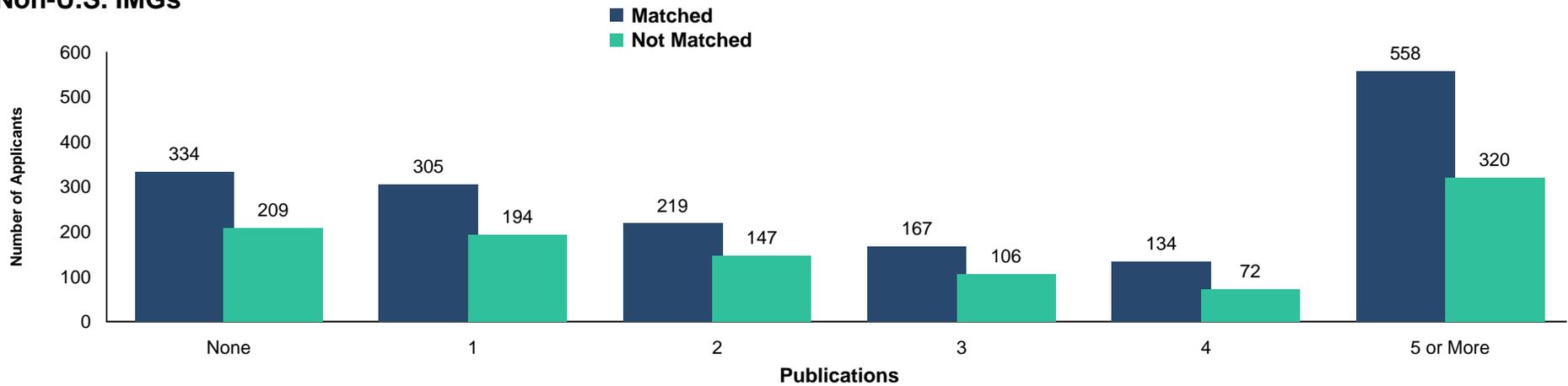
**Chart  
IM-6**

**Number of Abstracts, Presentations, and Publications of International Medical Graduates  
Internal Medicine**

**U.S. IMGs**



**Non-U.S. IMGs**

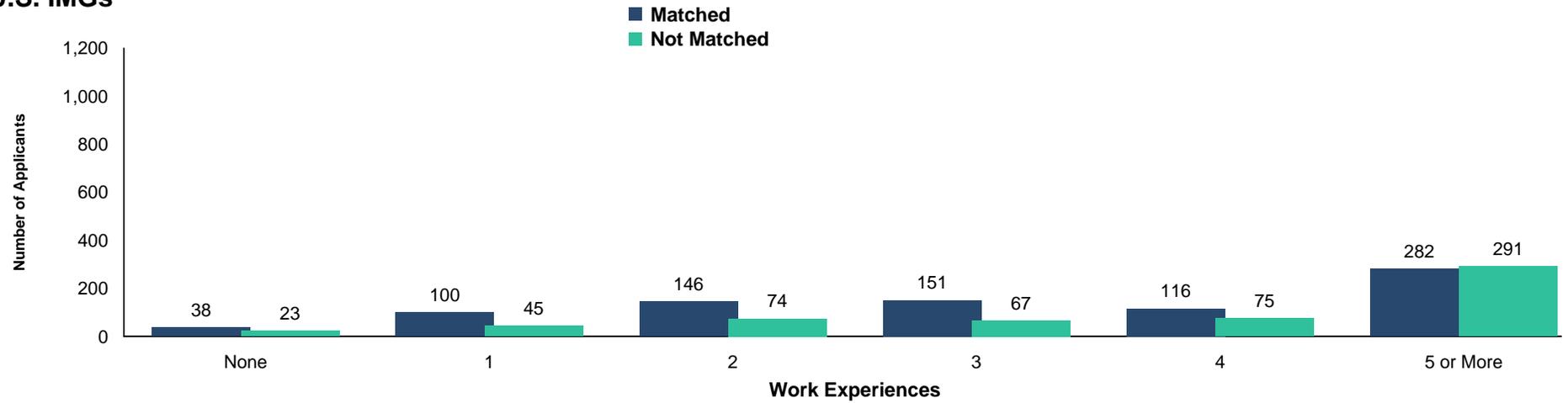


Source: NRMP Data Warehouse

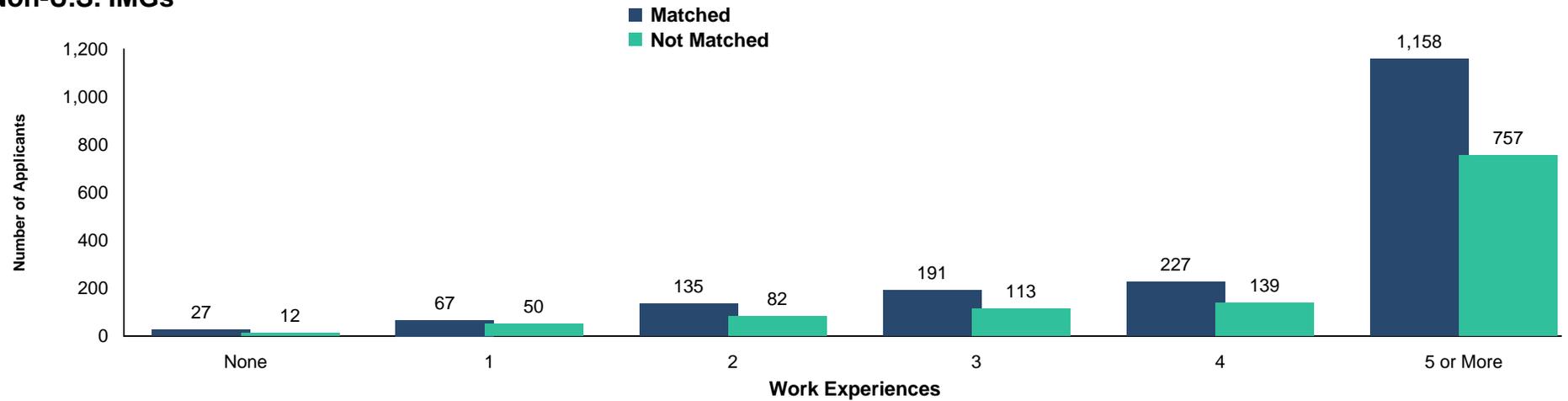
**Chart  
IM-7**

**Number of Work Experiences of International Medical Graduates  
Internal Medicine**

**U.S. IMGs**



**Non-U.S. IMGs**

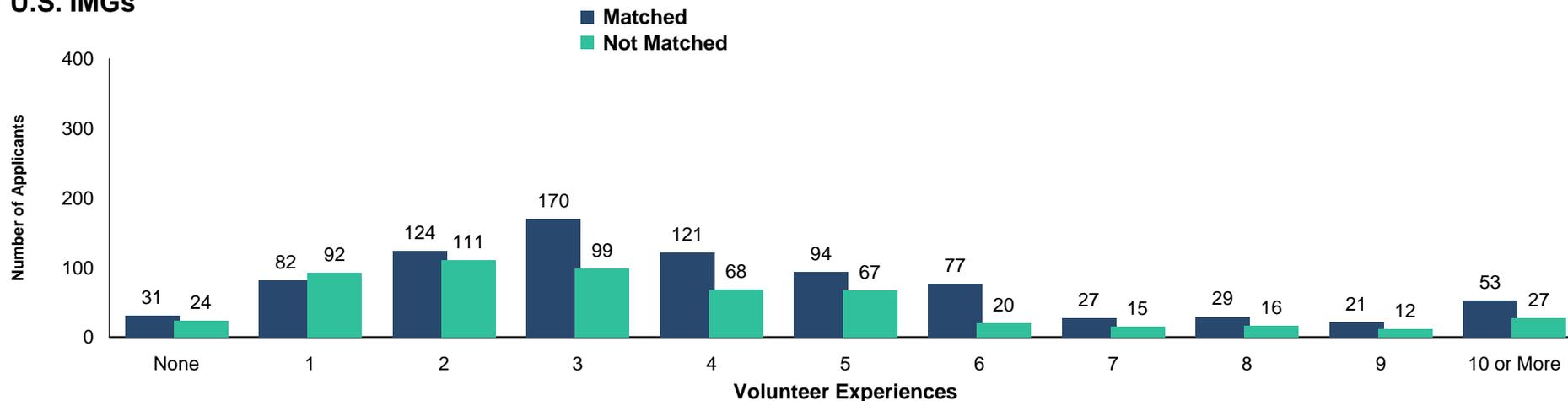


Source: NRMP Data Warehouse

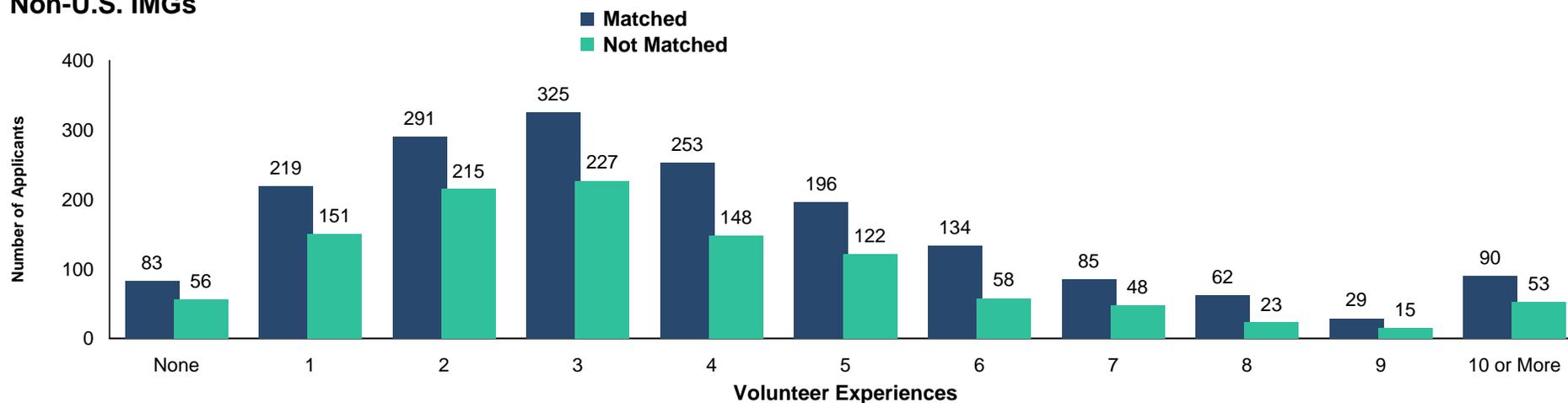
**Chart  
IM-8**

**Number of Volunteer Experiences of International Medical Graduates**  
*Internal Medicine*

**U.S. IMGs**



**Non-U.S. IMGs**



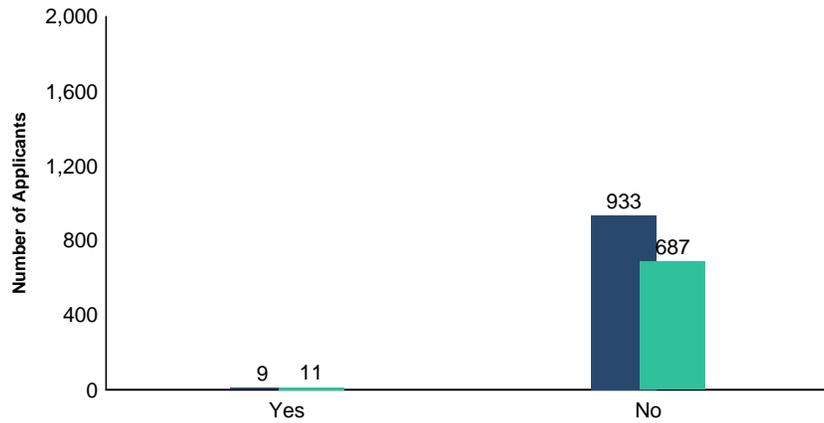
Source: NRMP Data Warehouse

**Chart  
IM-9**

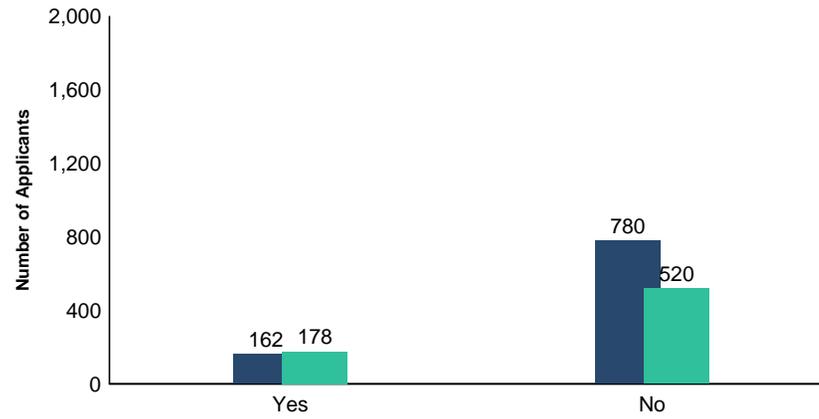
**Other Characteristics of International Medical Graduates**  
*Internal Medicine*

**U.S. IMGs**

**Ph.D. Degree**

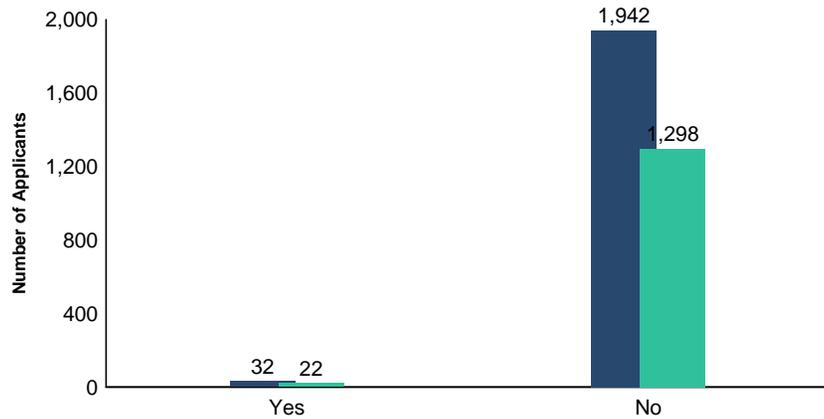


**Other Graduate Degree**

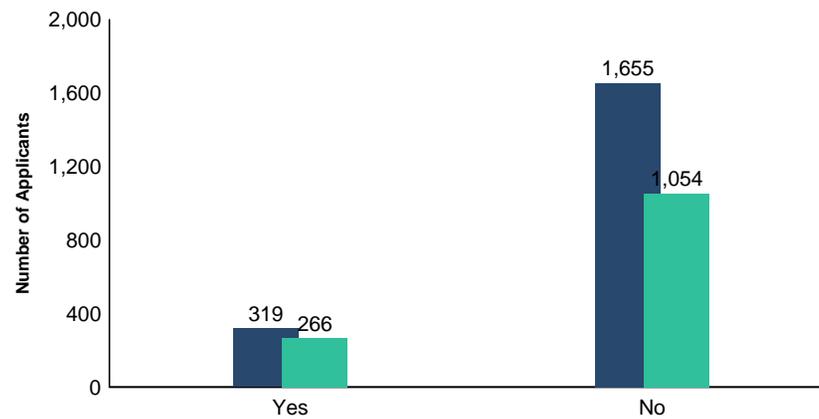


**Non-U.S. IMGs**

**Ph.D. Degree**



**Other Graduate Degree**



Source: NRMP Data Warehouse

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**IP**

**Internal Medicine/Pediatrics**

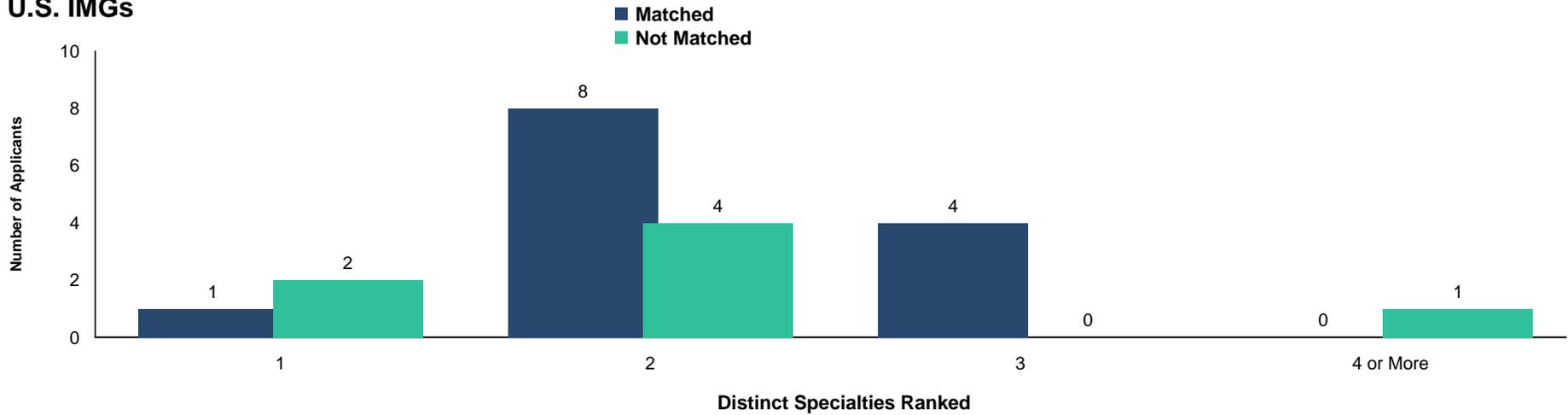
Measure	U.S. IMGs		Non-U.S. IMGs	
	Matched (n=13)	Unmatched (n=7)	Matched (n=4)	Unmatched (n=23)
1. Mean number of contiguous ranks	5.7	1.3	1.8	1.1
2. Mean number of distinct specialties ranked	2.2	2.0	1.8	2.3
3. Mean USMLE Step 1 score	234	217	241	218
4. Mean USMLE Step 2 score	239	232	246	229
5. Mean number of research experiences	1.5	3.0	0.5	2.6
6. Mean number of abstracts, presentations, and publications	2.8	5.7	2.3	3.0
7. Mean number of work experiences	2.8	5.7	4.8	6.6
8. Mean number of volunteer experiences	5.8	7.2	5.0	4.5
9. Percentage who have a Ph.D. degree	0.0	0.0	0.0	0.0
10. Percentage who have another graduate degree	30.8	50.0	0.0	22.7

Note: Only applicants who gave consent to use their information in research are included.  
Source: NRMP Data Warehouse

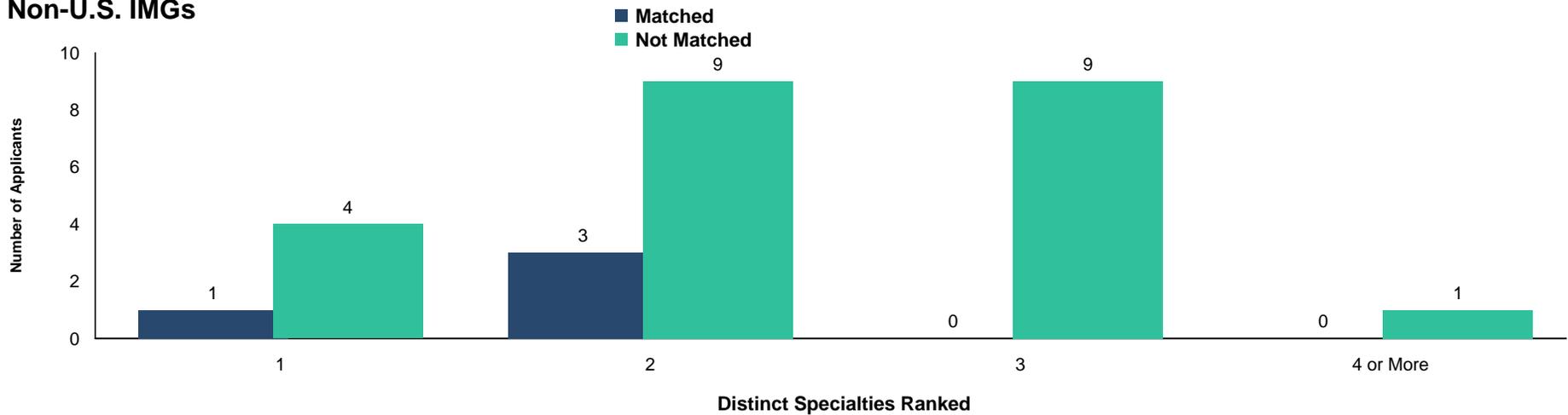
**Chart  
IP-1**

**Number of Distinct Specialties Ranked by International Medical Graduates  
Internal Medicine/Pediatrics**

**U.S. IMGs**



**Non-U.S. IMGs**

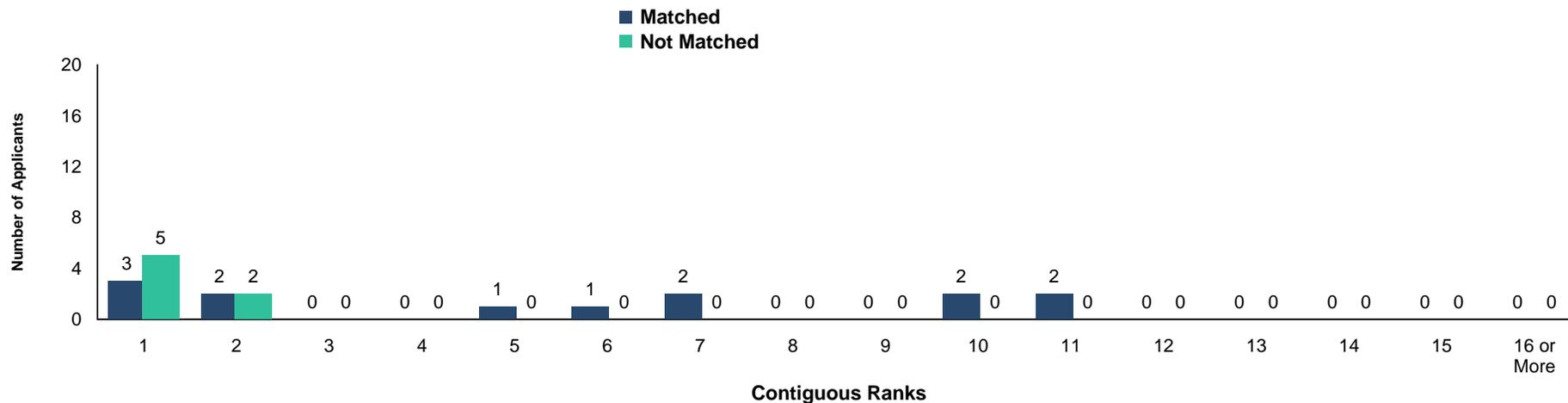


Source: NRMP Data Warehouse

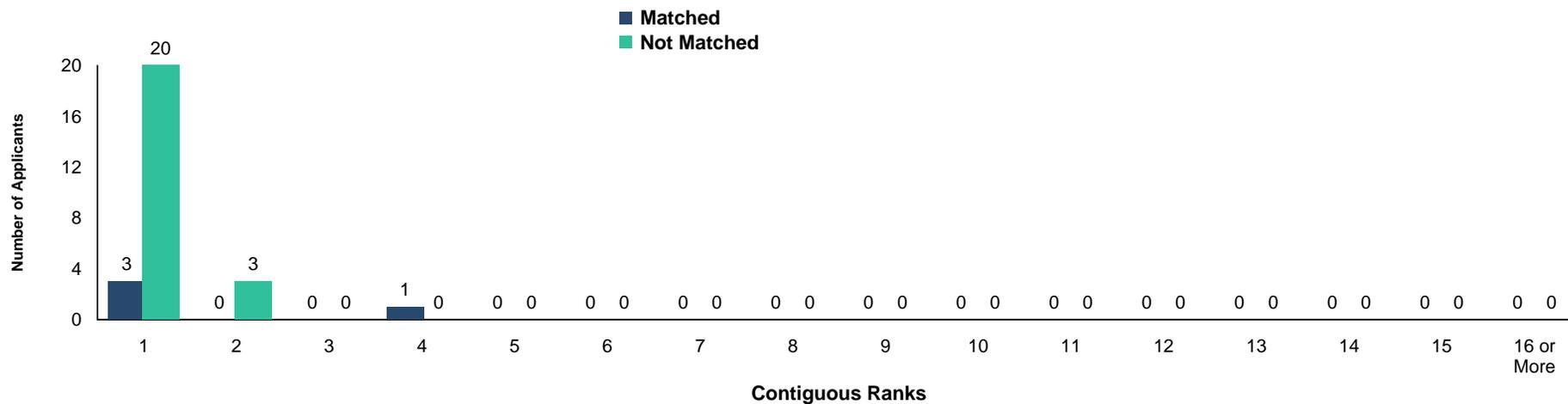
**Chart  
IP-2**

**Number of Contiguous Ranks of International Medical Graduates  
Internal Medicine/Pediatrics**

**U.S. IMGs**



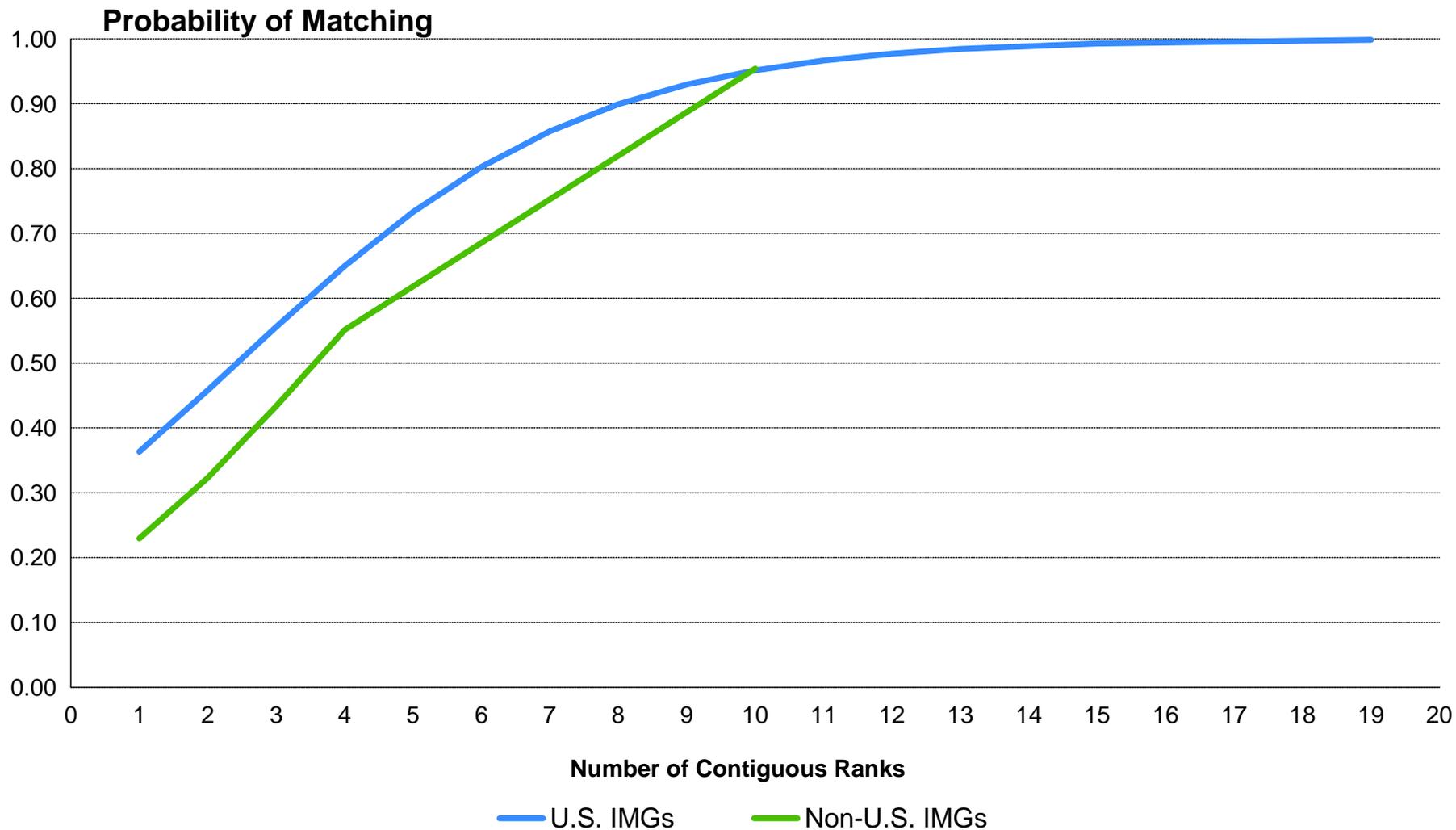
**Non-U.S. IMGs**



Source: NRMP Data Warehouse

**Graph  
IP-1**

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

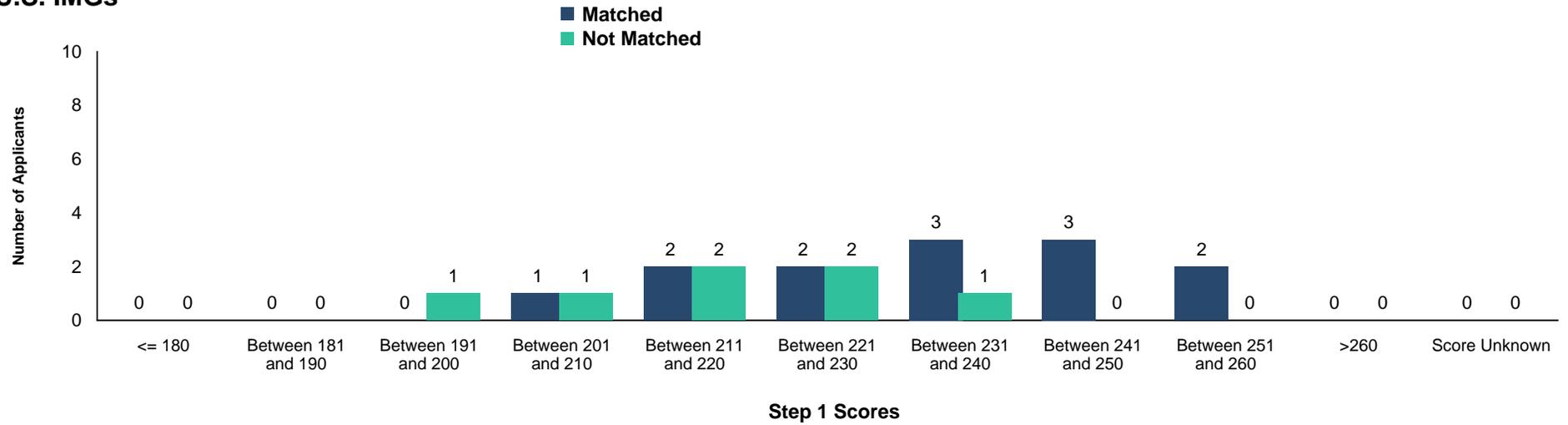


Source: NRMP Data Warehouse. Note: Probabilities calculated based on 2018-2020 applicants

**Chart  
IP-3**

**USMLE Step 1 Scores of International Medical Graduates  
*Internal Medicine/Pediatrics***

**U.S. IMGs**



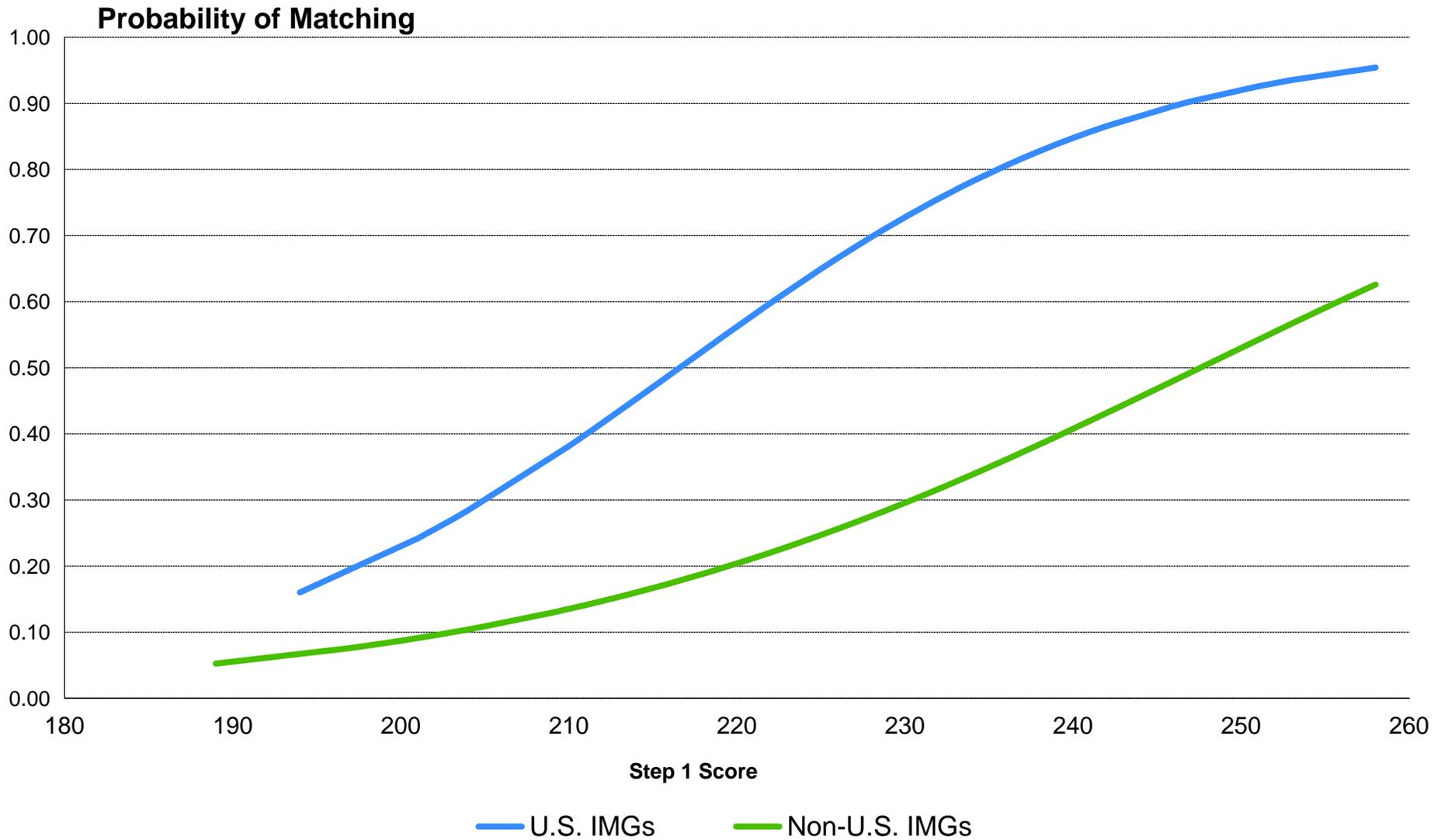
**Non-U.S. IMGs**



Source: NRMP Data Warehouse

**Graph  
IP-2**

**Probability of International Medical Graduates Matching to Preferred Specialty by USMLE Step 1 Score**  
*Internal Medicine/Pediatrics*

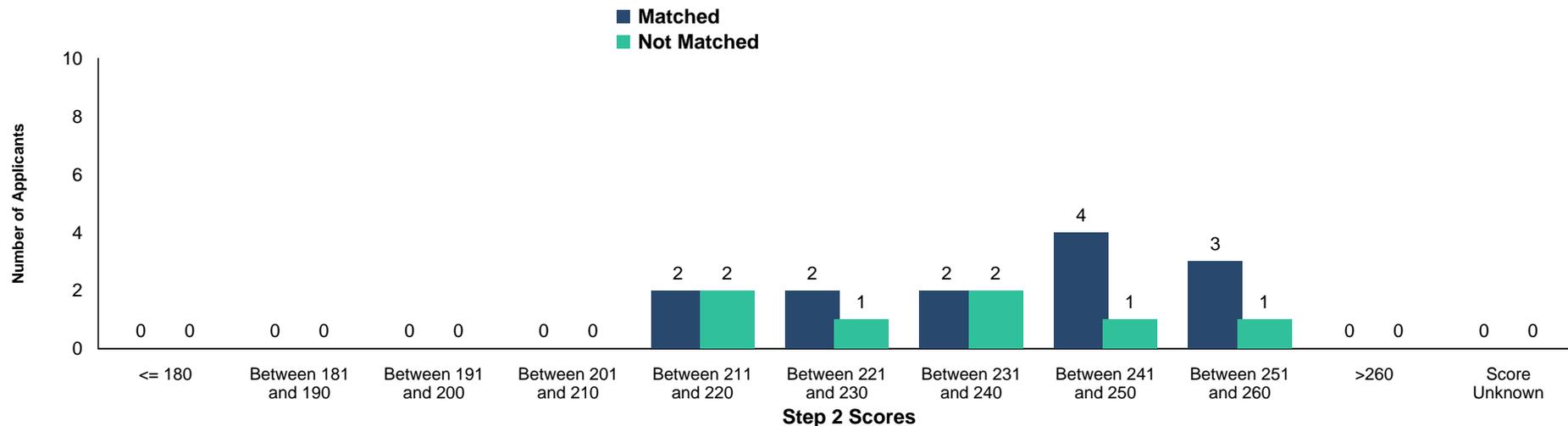


Source: NRMP Data Warehouse. Note: Probabilities calculated based on 2018-2020 applicants.

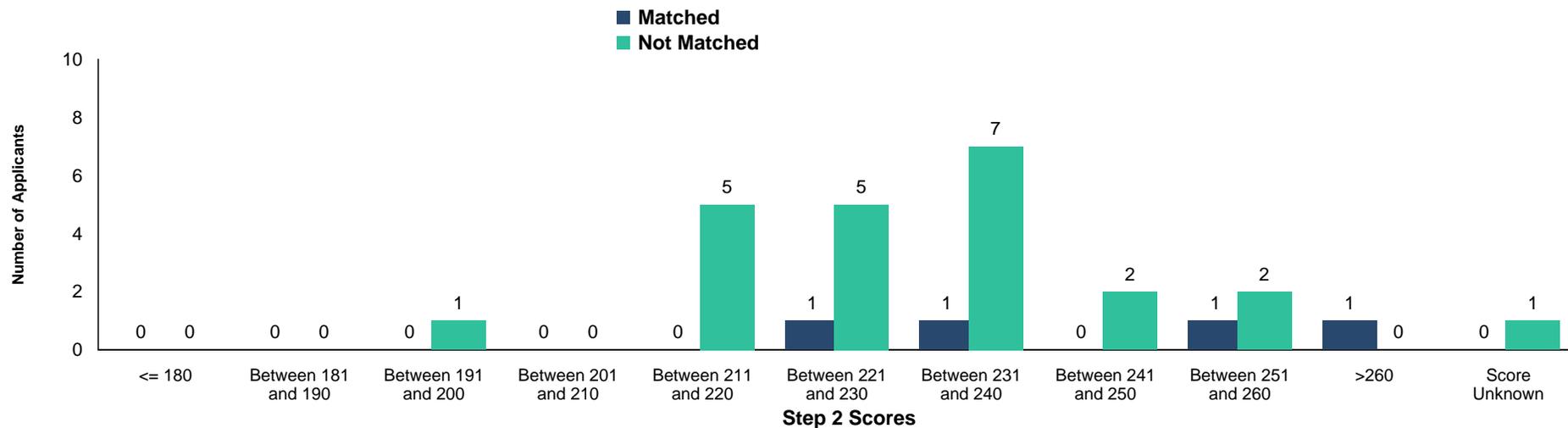
**Chart  
IP-4**

**USMLE Step 2 CK Scores of International Medical Graduates  
Internal Medicine/Pediatrics**

**U.S. IMGs**



**Non-U.S. IMGs**

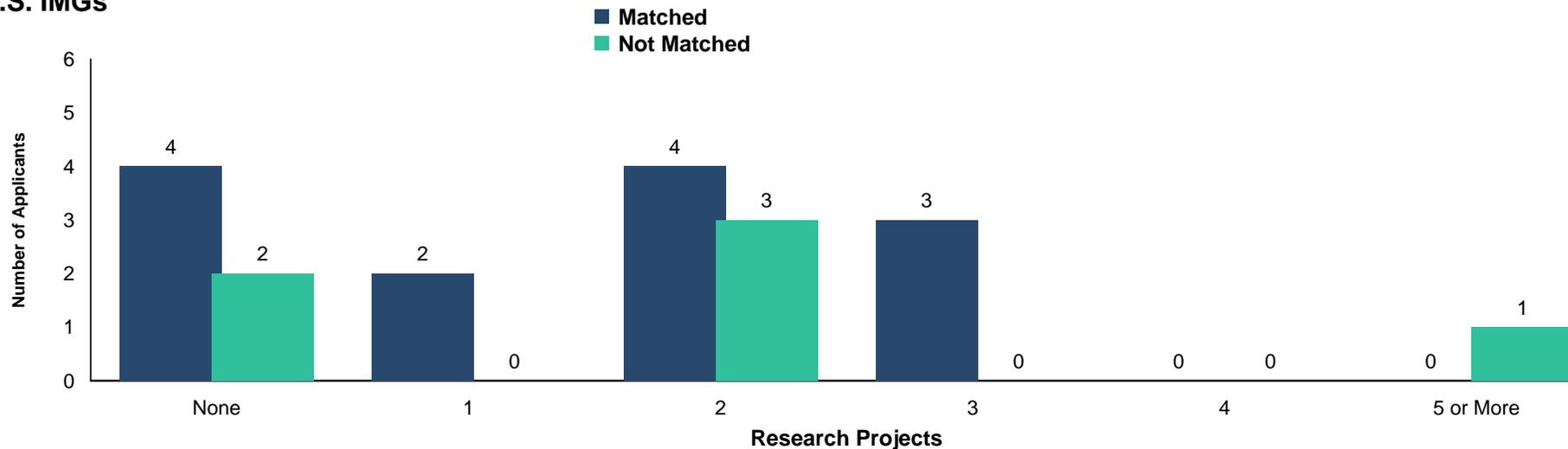


Source: NRMP Data Warehouse

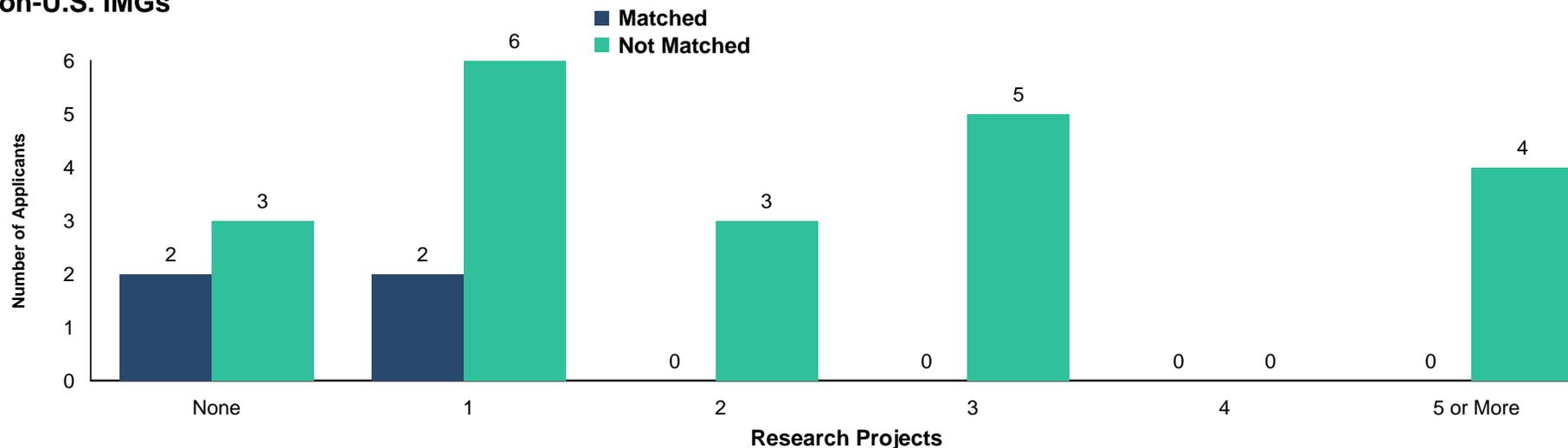
**Chart  
IP-5**

**Number of Research Projects of International Medical Graduates**  
*Internal Medicine/Pediatrics*

**U.S. IMGs**



**Non-U.S. IMGs**

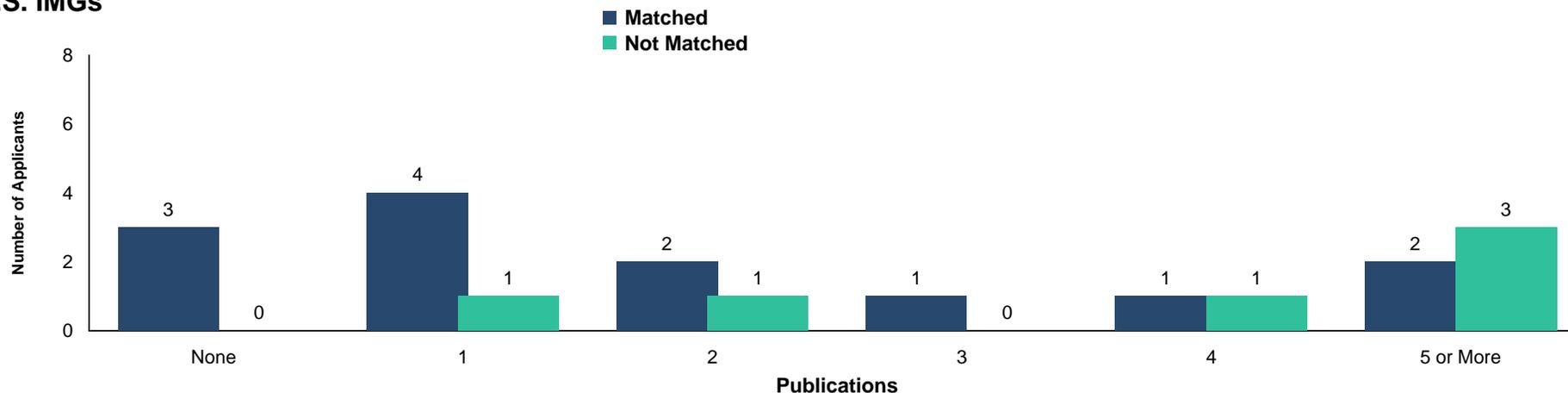


Source: NRMP Data Warehouse

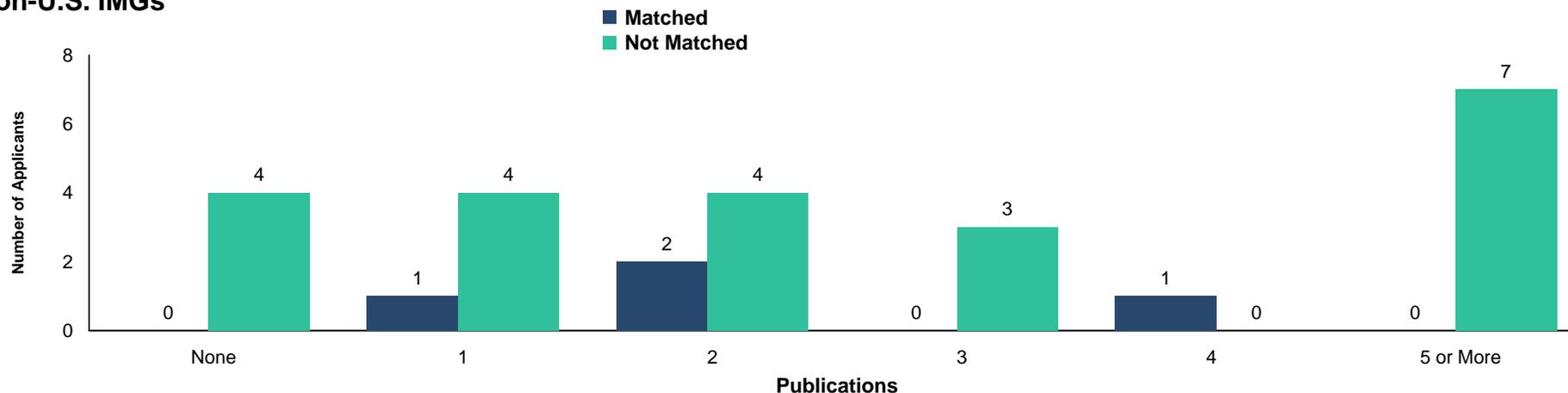
**Chart  
IP-6**

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

**U.S. IMGs**



**Non-U.S. IMGs**

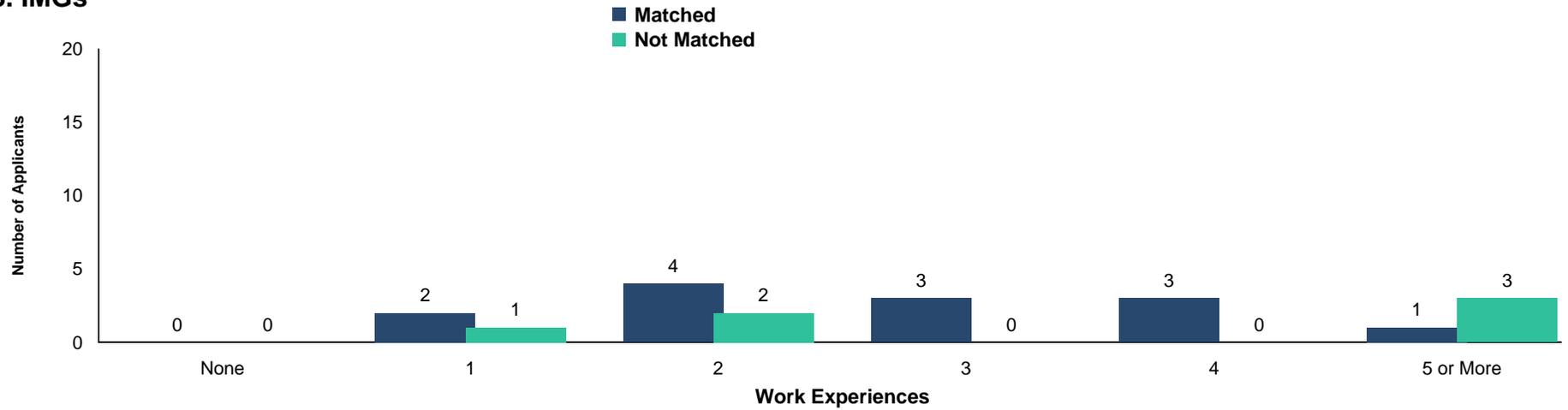


Source: NRMP Data Warehouse

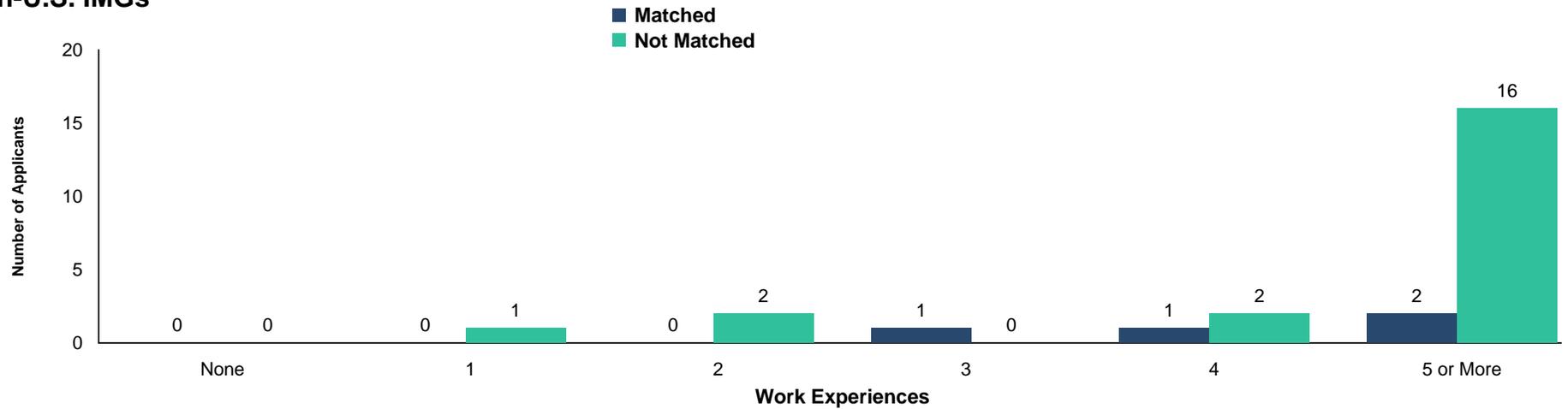
**Chart  
IP-7**

**Number of Work Experiences of International Medical Graduates  
Internal Medicine/Pediatrics**

**U.S. IMGs**



**Non-U.S. IMGs**

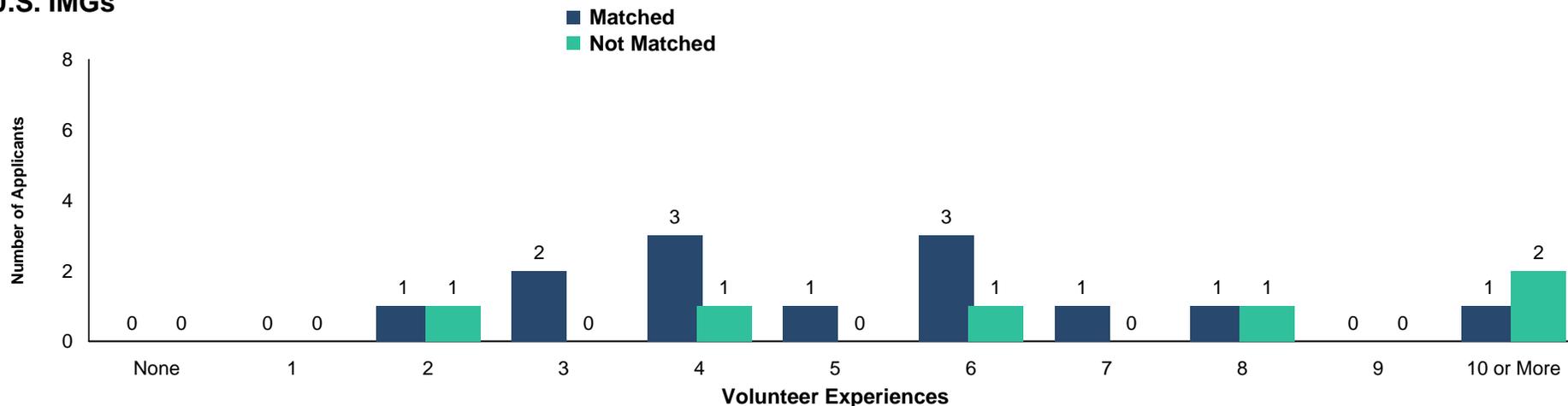


Source: NRMP Data Warehouse

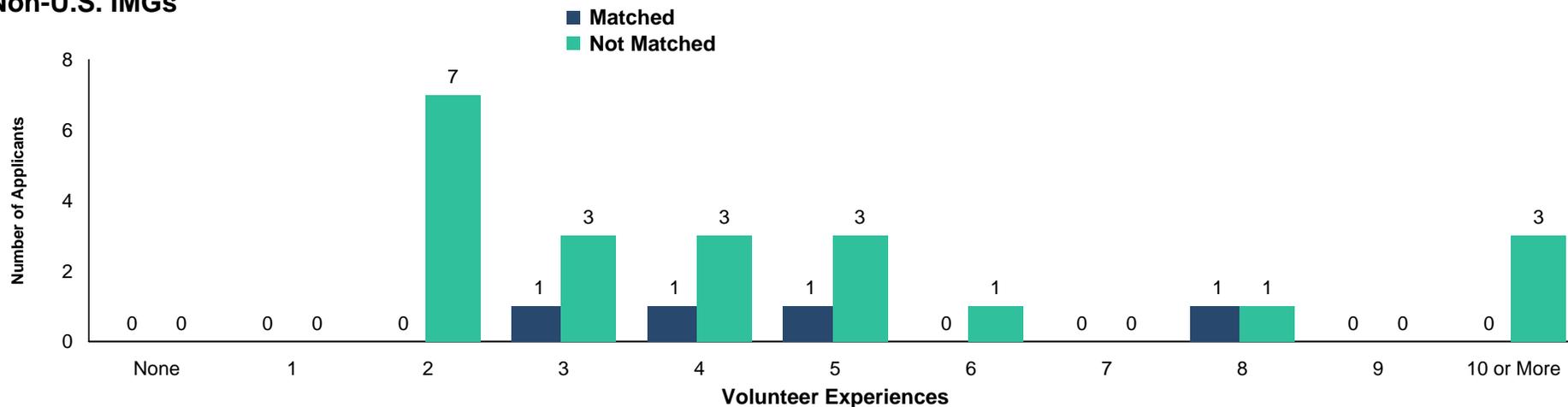
**Chart  
IP-8**

**Number of Volunteer Experiences of International Medical Graduates  
Internal Medicine/Pediatrics**

**U.S. IMGs**



**Non-U.S. IMGs**



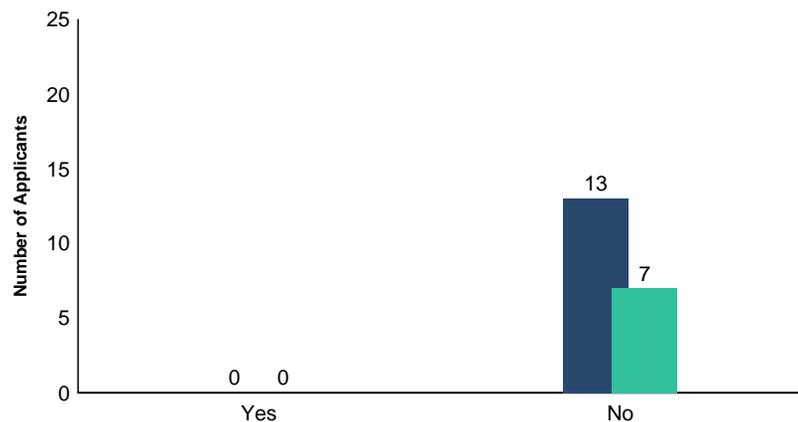
Source: NRMP Data Warehouse

**Chart  
IP-9**

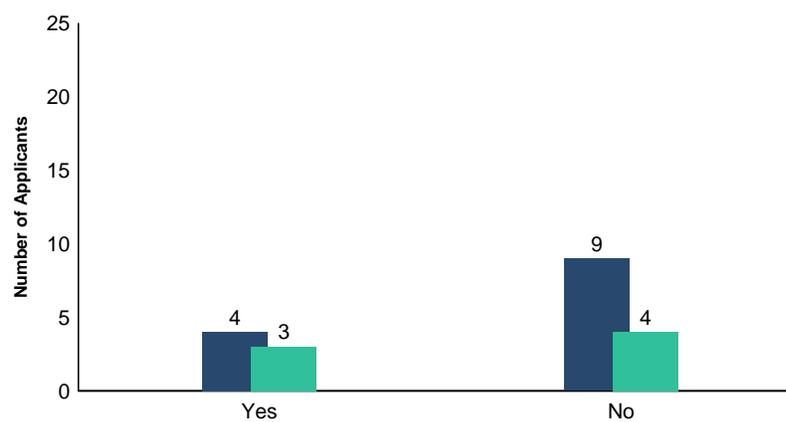
**Other Characteristics of International Medical Graduates**  
*Internal Medicine/Pediatrics*

**U.S. IMGs**

**Ph.D. Degree**

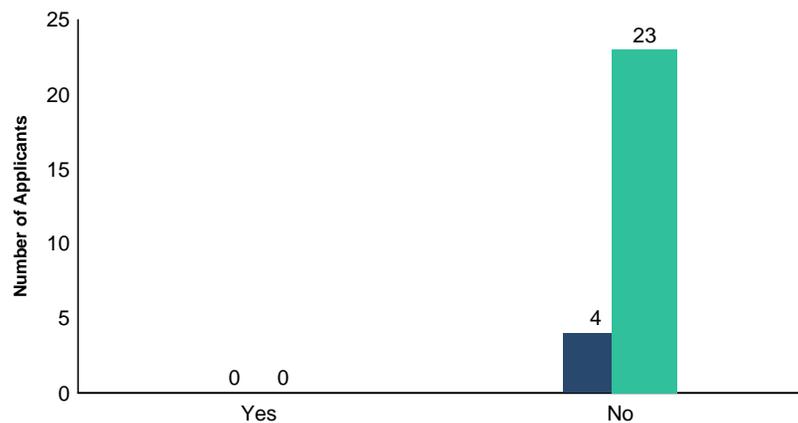


**Other Graduate Degree**

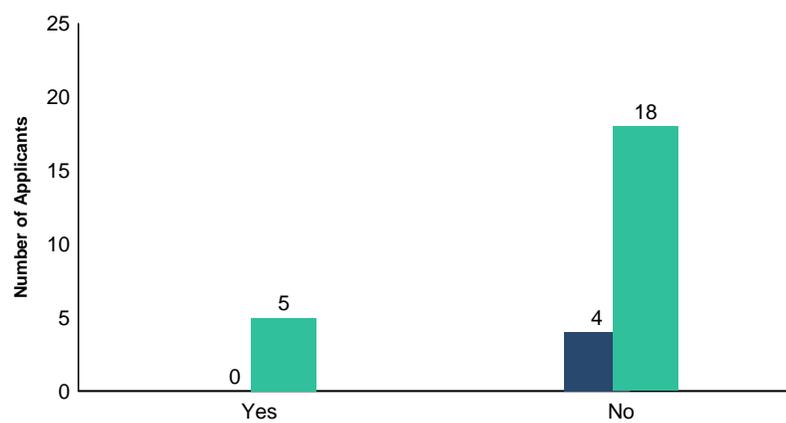


**Non-U.S. IMGs**

**Ph.D. Degree**



**Other Graduate Degree**



Source: NRMP Data Warehouse

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**IR** **Interventional Radiology**

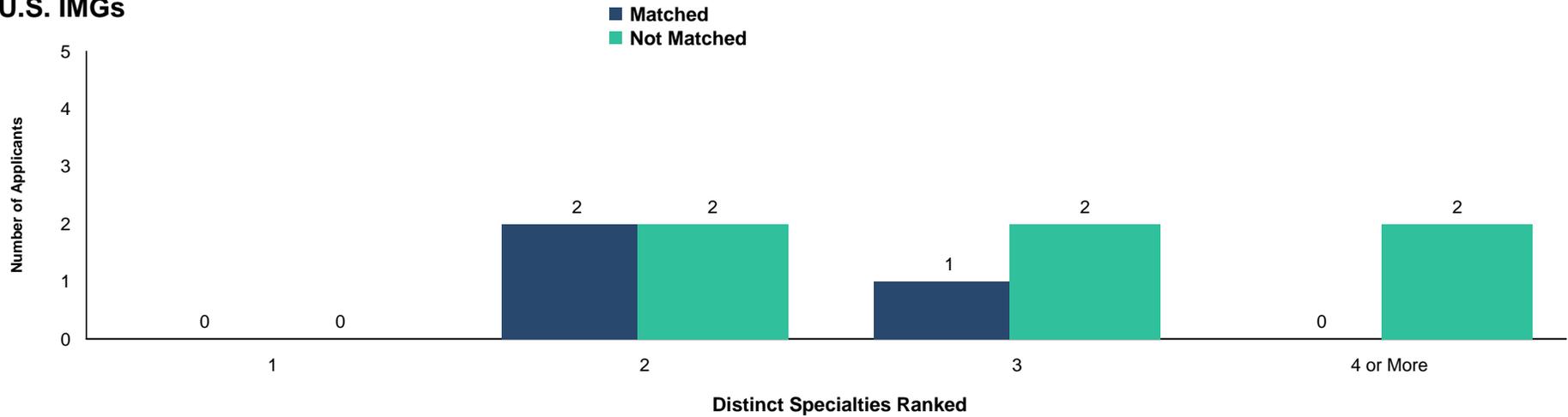
Measure	U.S. IMGs		Non-U.S. IMGs	
	Matched (n=5)	Unmatched (n=6)	Matched (n=2)	Unmatched (n=9)
1. Mean number of contiguous ranks	1.4	1.7	1.0	1.1
2. Mean number of distinct specialties ranked	3.4	3.0	3.5	3.2
3. Mean USMLE Step 1 score	246	244	232	242
4. Mean USMLE Step 2 score	250	245	241	245
5. Mean number of research experiences	4.5	1.6	2.5	5.7
6. Mean number of abstracts, presentations, and publications	7.8	2.0	18.5	11.1
7. Mean number of work experiences	6.8	4.0	2.5	7.3
8. Mean number of volunteer experiences	8.3	3.6	8.0	3.1
9. Percentage who have a Ph.D. degree	0.0	16.7	50.0	0.0
10. Percentage who have another graduate degree	20.0	33.3	0.0	12.5

Note: Only applicants who gave consent to use their information in research are included.  
Source: NRMP Data Warehouse

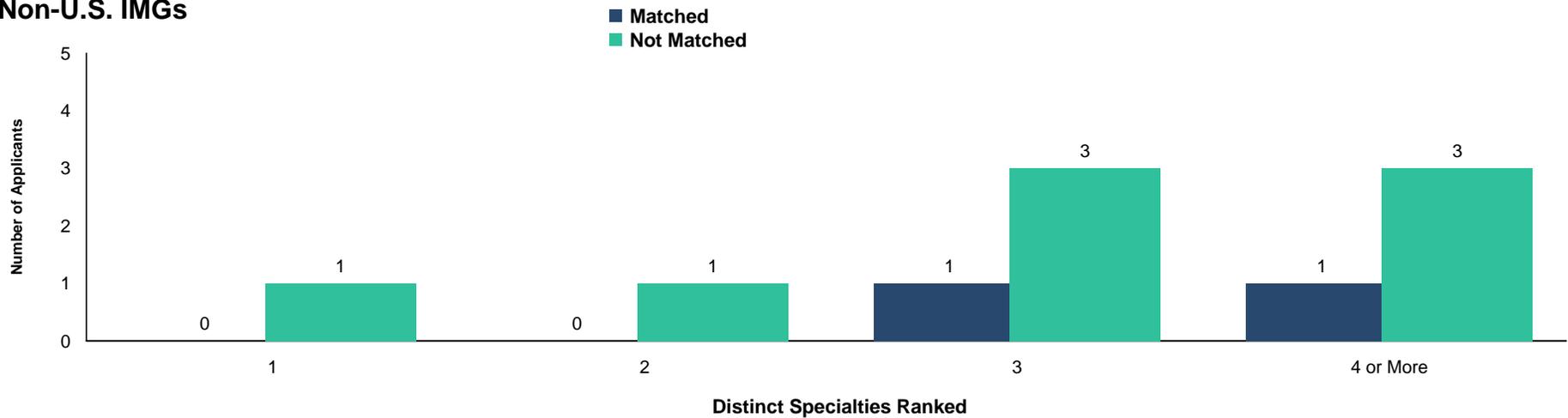
**Chart  
IR-1**

**Number of Distinct Specialties Ranked by International Medical Graduates  
Interventional Radiology**

**U.S. IMGs**



**Non-U.S. IMGs**

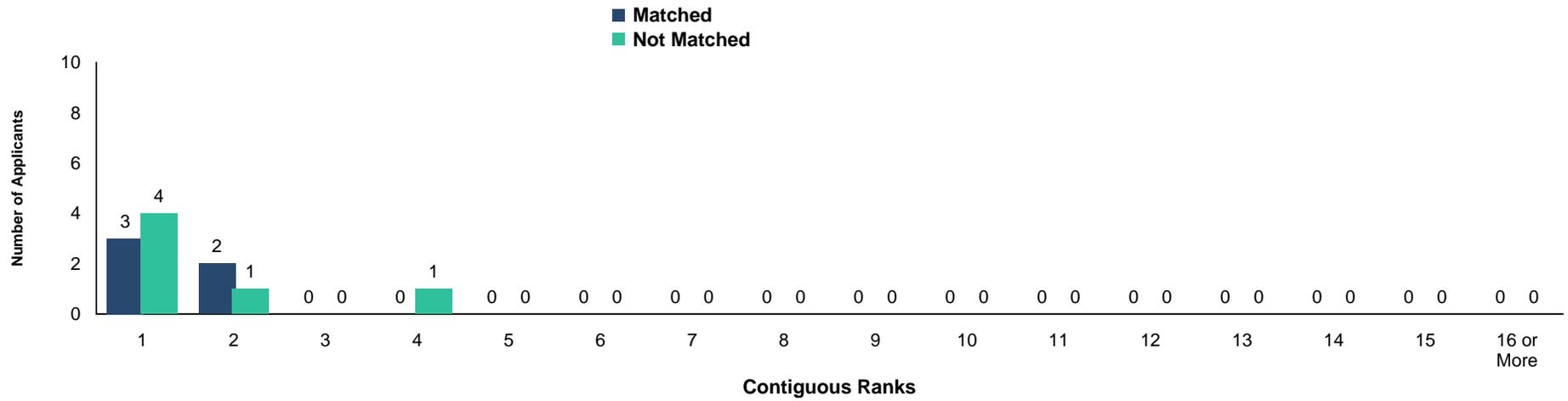


Source: NRMP Data Warehouse

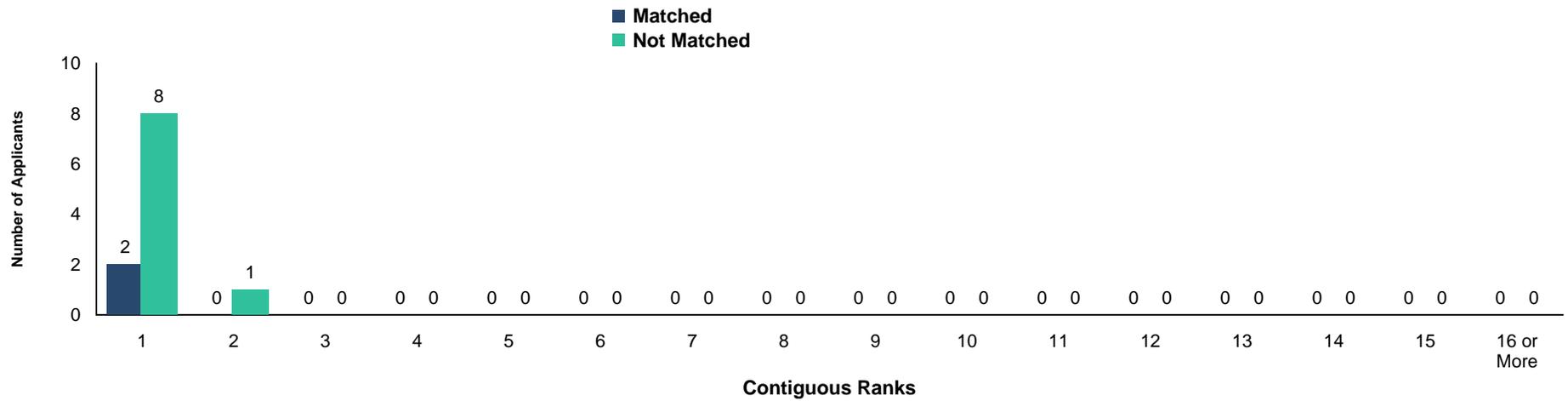
**Chart  
IR-2**

**Number of Contiguous Ranks of International Medical Graduates  
Interventional Radiology**

**U.S. IMGs**



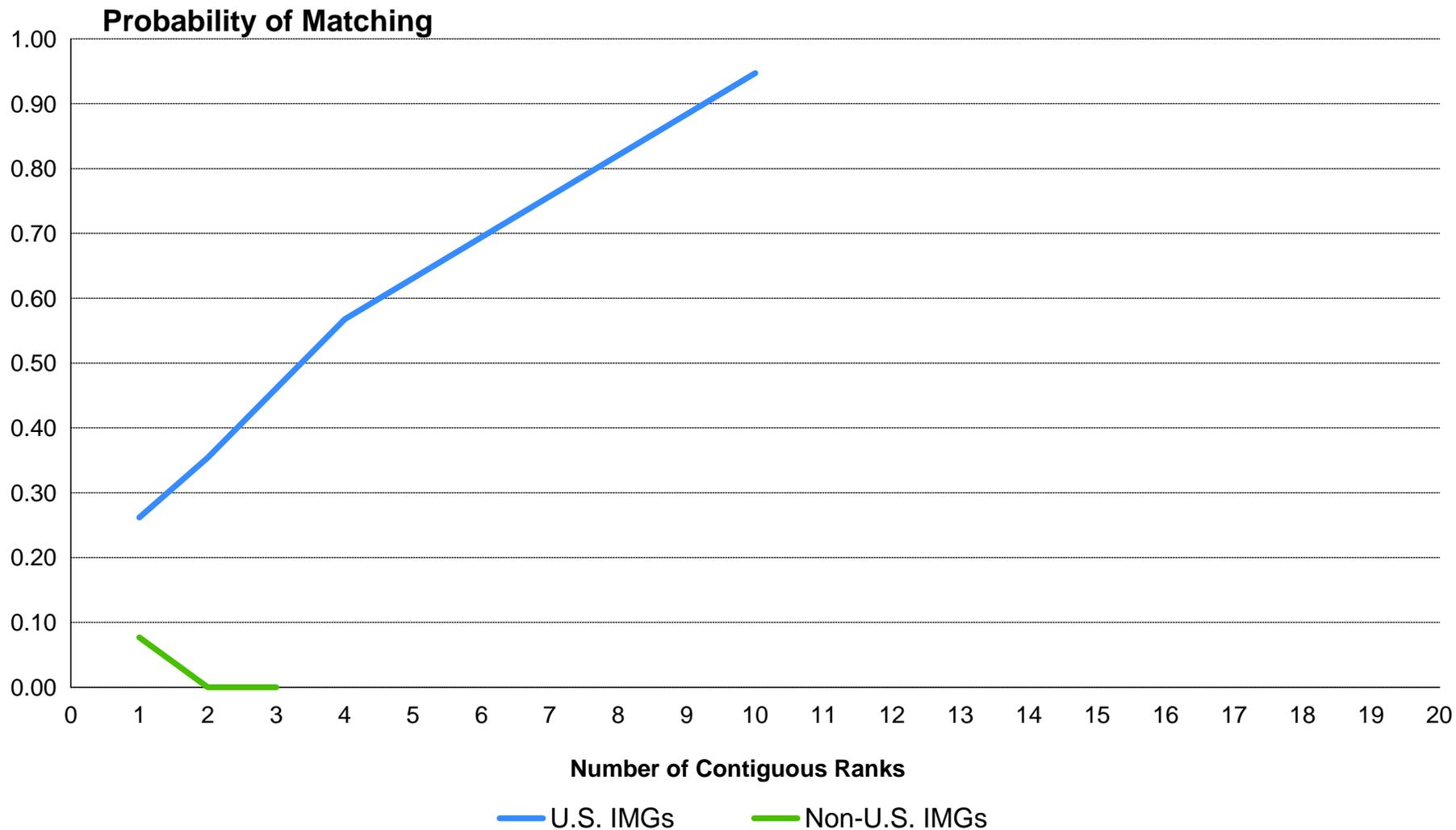
**Non-U.S. IMGs**



Source: NRMP Data Warehouse

**Graph  
IR-1**

**Probability of International Medical Graduates Matching to Preferred Specialty by Number of Contiguous Ranks**  
*Interventional Radiology*

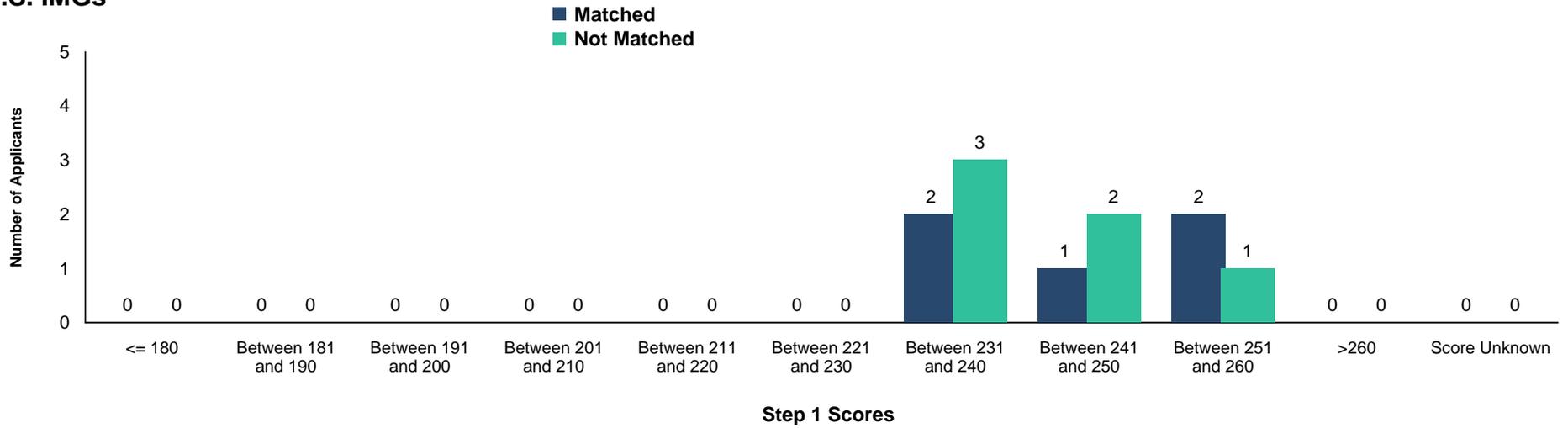


Source: NRMP Data Warehouse. Note: Probabilities calculated based on 2018-2020 applicants

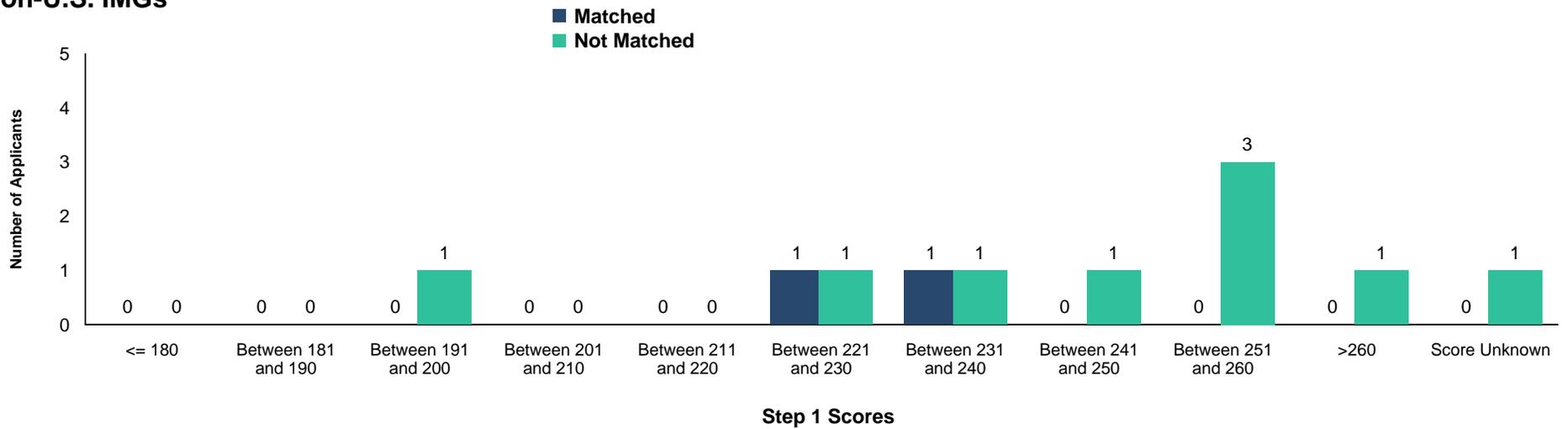
**Chart  
IR-3**

**USMLE Step 1 Scores of International Medical Graduates  
*Interventional Radiology***

**U.S. IMGs**



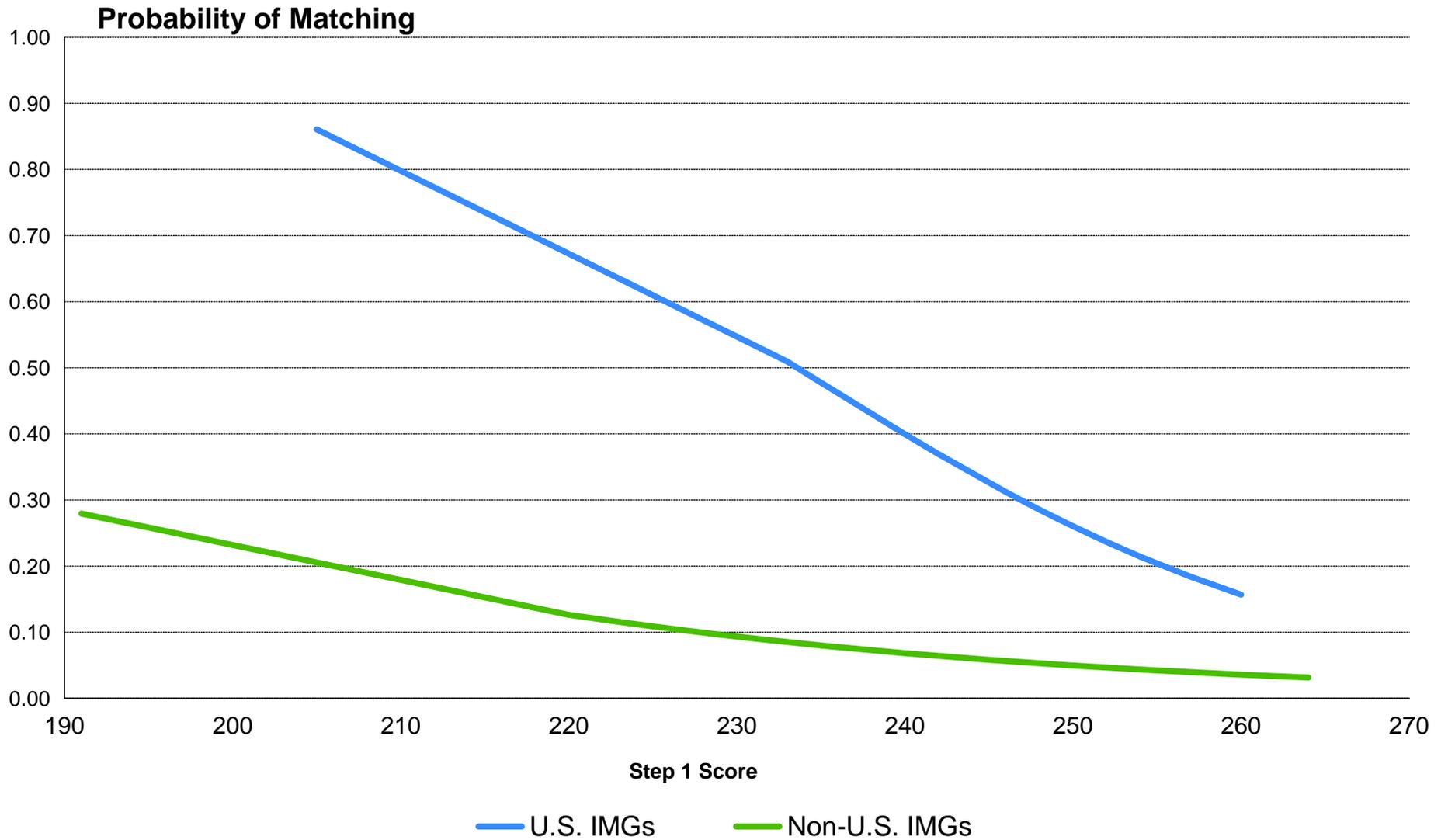
**Non-U.S. IMGs**



Source: NRMP Data Warehouse

**Graph  
IR-2**

**Probability of International Medical Graduates Matching to Preferred Specialty by USMLE Step 1 Score**  
*Interventional Radiology*

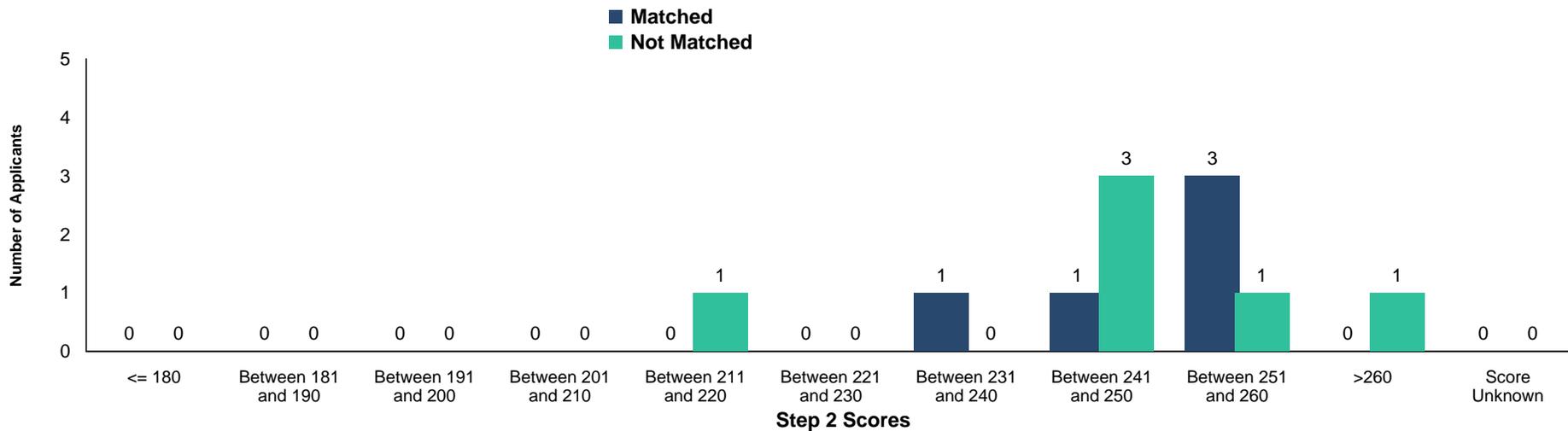


Source: NRMP Data Warehouse. Note: Probabilities calculated based on 2018-2020 applicants.

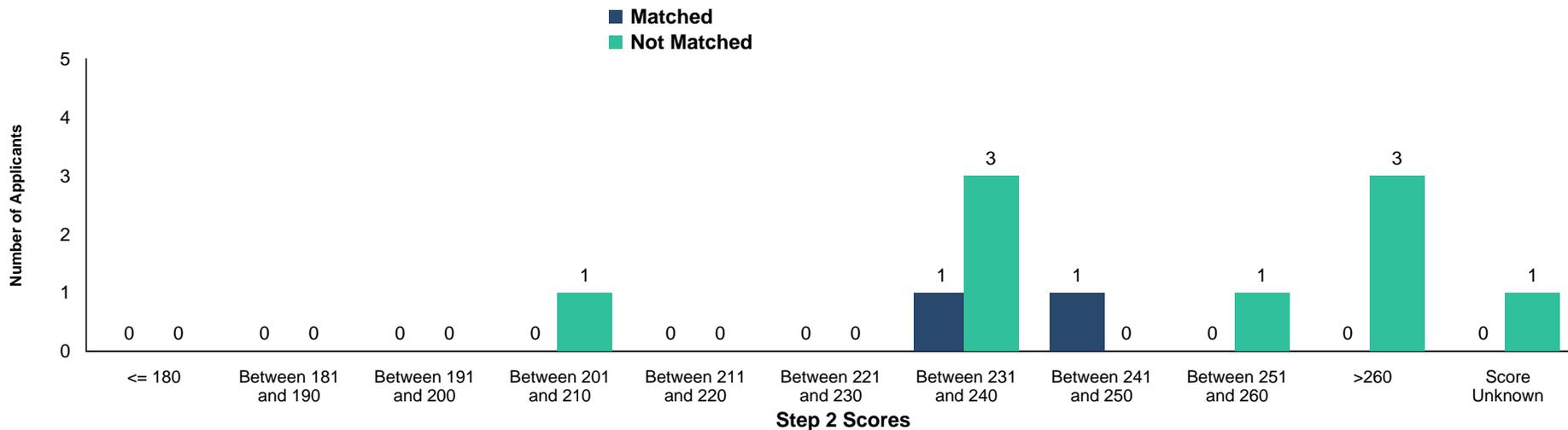
**Chart  
IR-4**

**USMLE Step 2 CK Scores of International Medical Graduates  
*Interventional Radiology***

**U.S. IMGs**



**Non-U.S. IMGs**

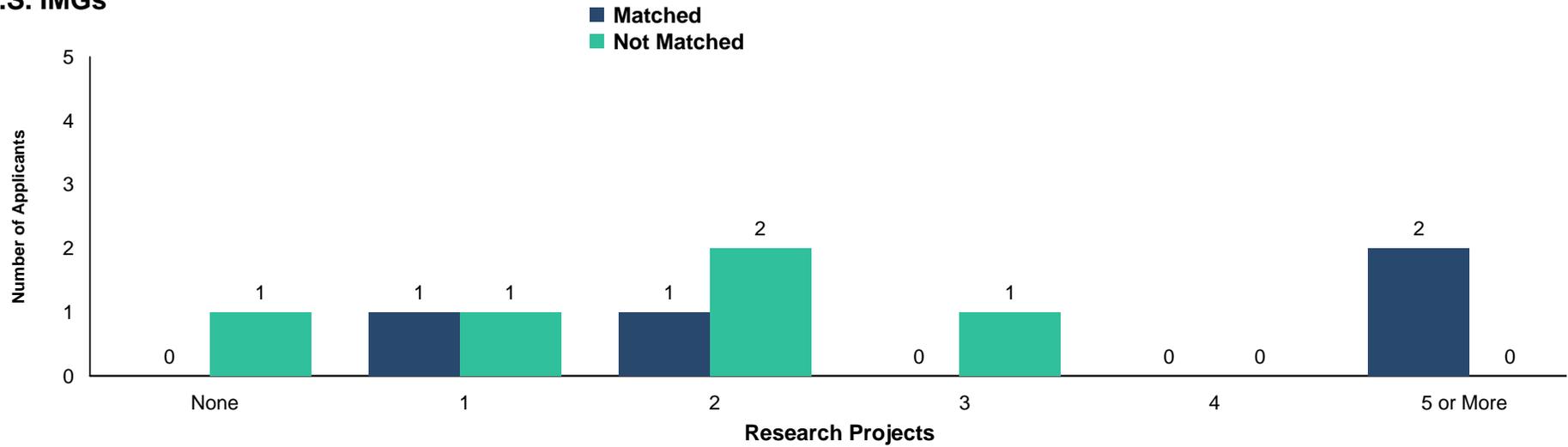


Source: NRMP Data Warehouse

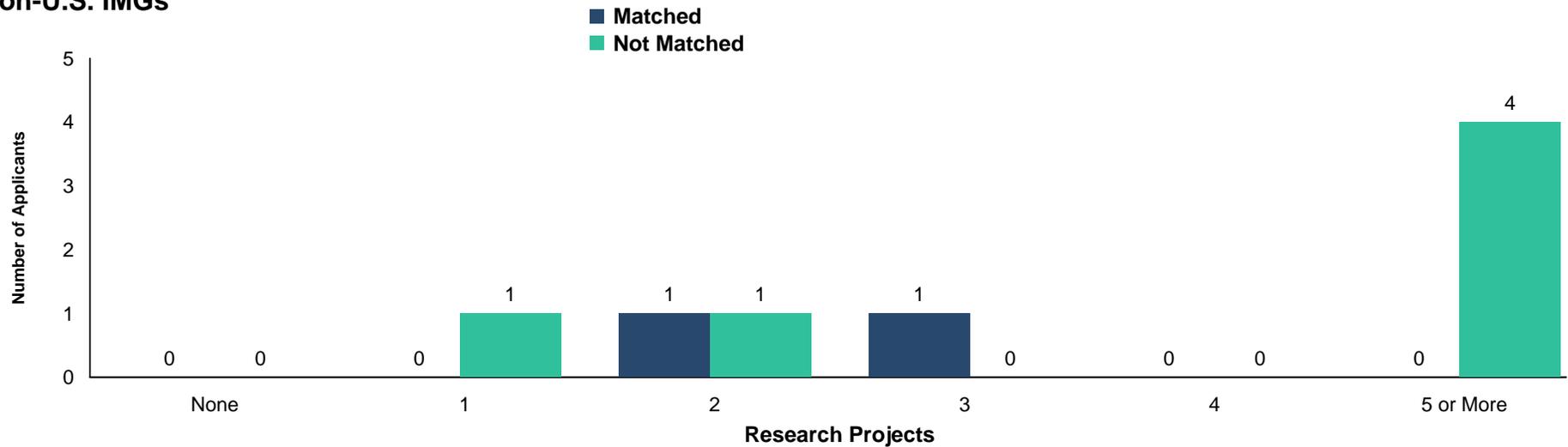
**Chart  
IR-5**

**Number of Research Projects of International Medical Graduates  
*Interventional Radiology***

**U.S. IMGs**



**Non-U.S. IMGs**

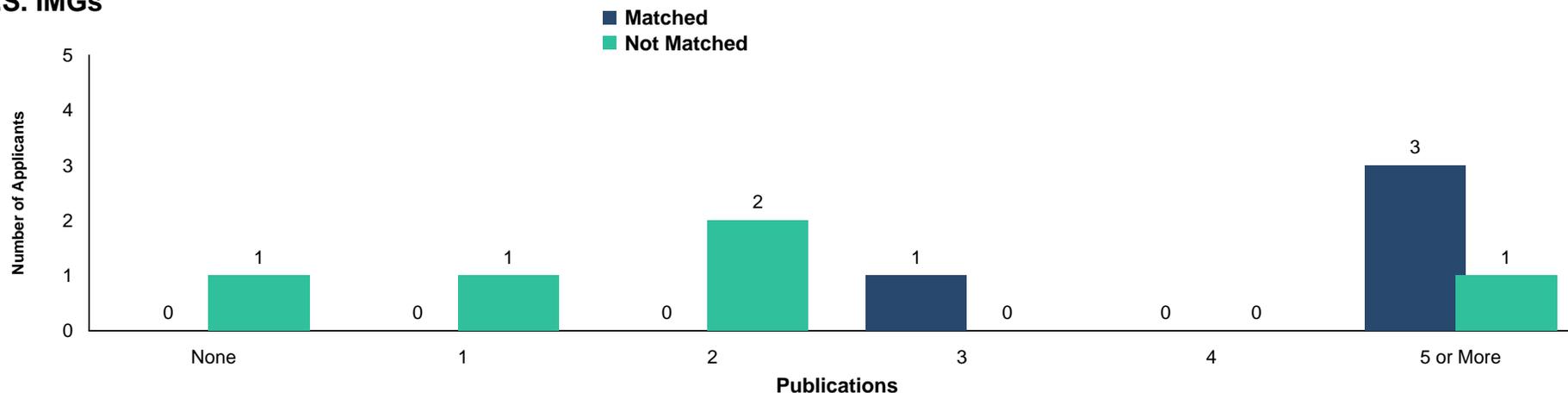


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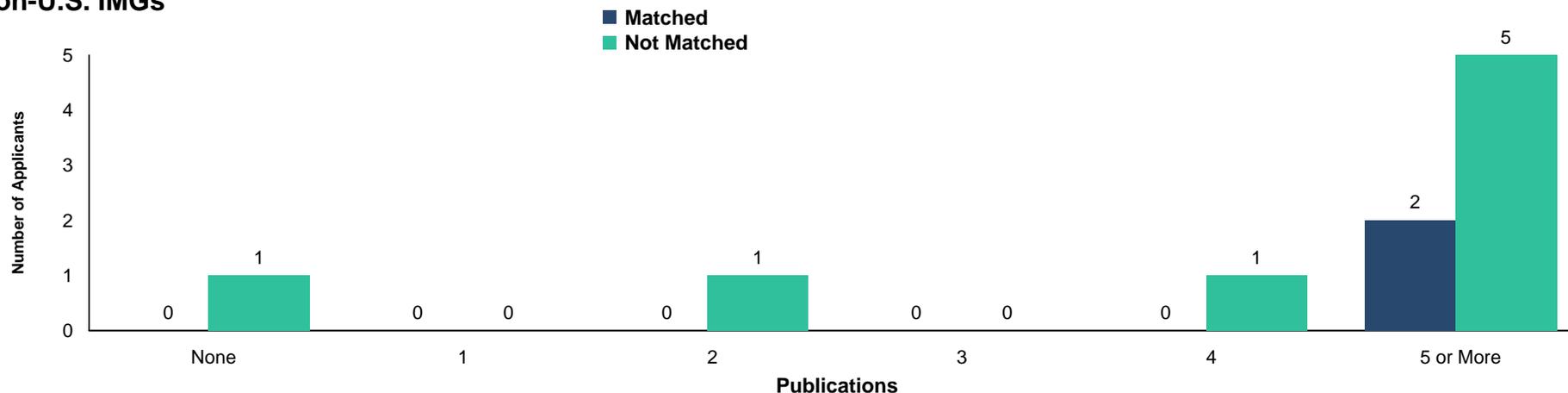
**Chart  
IR-6**

**Number of Abstracts, Presentations, and Publications of International Medical Graduates  
*Interventional Radiology***

**U.S. IMGs**



**Non-U.S. IMGs**

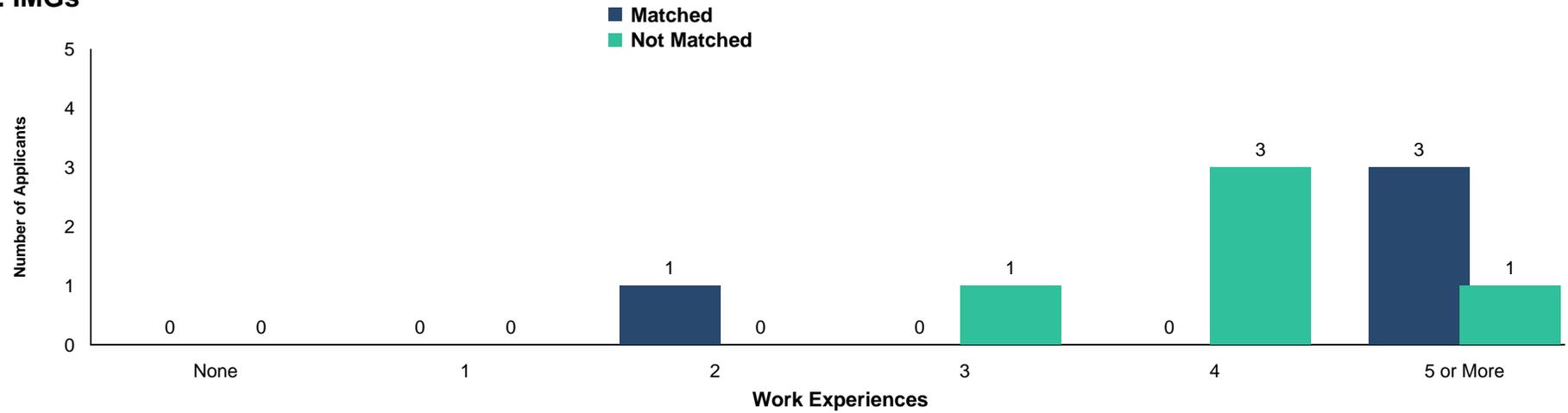


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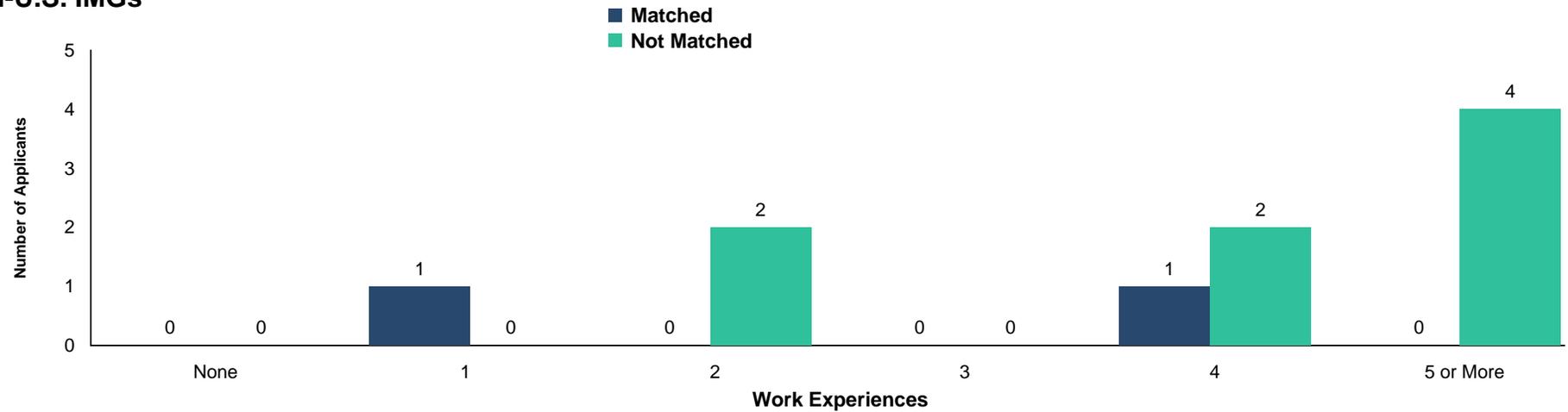
**Chart  
IR-7**

**Number of Work Experiences of International Medical Graduates  
*Interventional Radiology***

**U.S. IMGs**



**Non-U.S. IMGs**

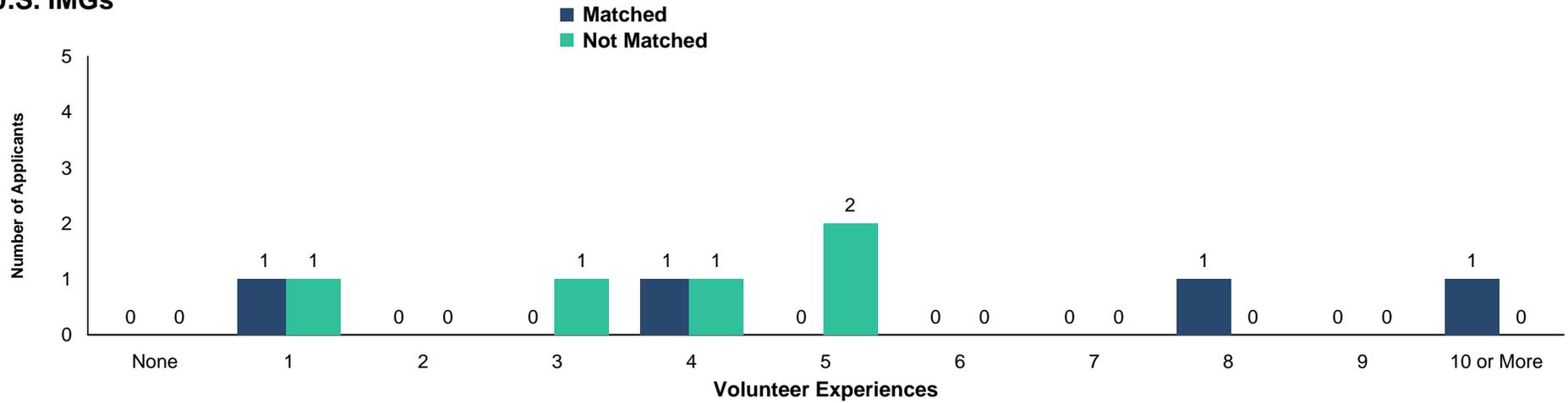


Source: NRMP Data Warehouse

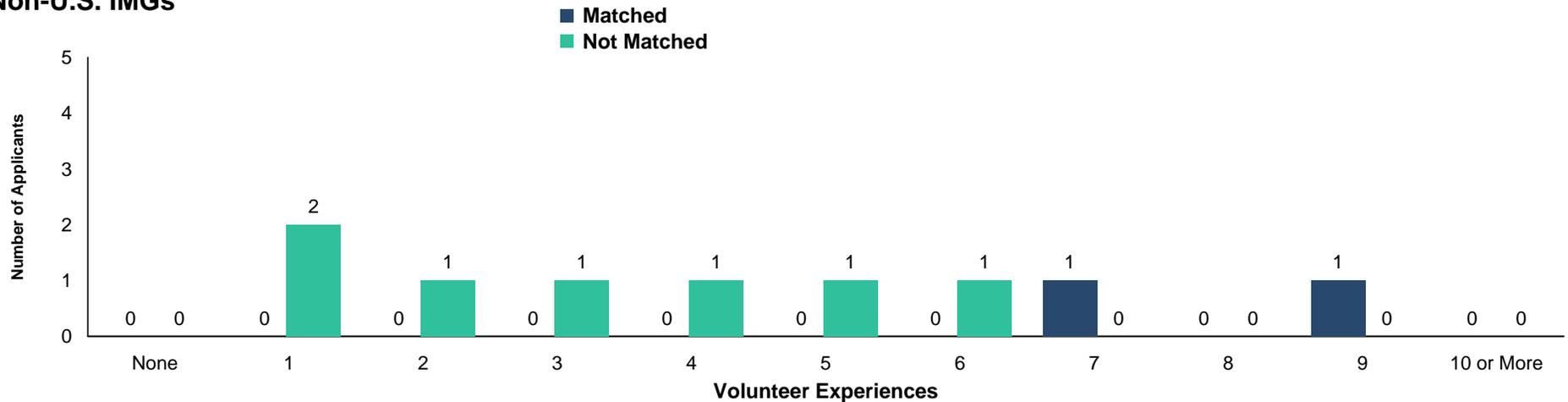
**Chart  
IR-8**

**Number of Volunteer Experiences of International Medical Graduates  
*Interventional Radiology***

**U.S. IMGs**



**Non-U.S. IMGs**



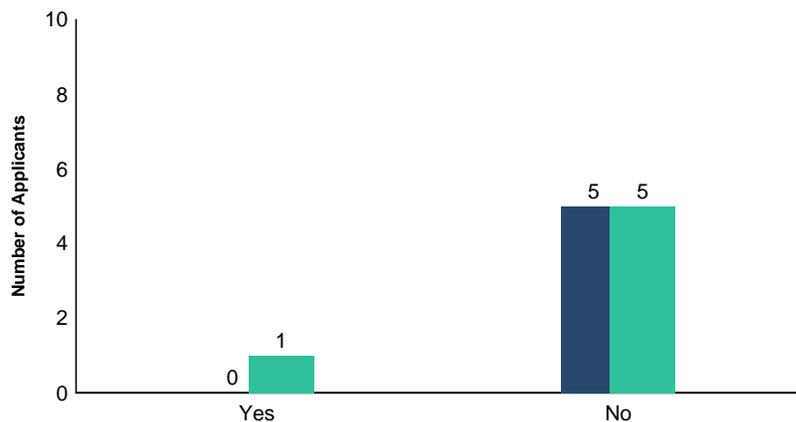
Source: NRMP Data Warehouse

**Chart  
IR-9**

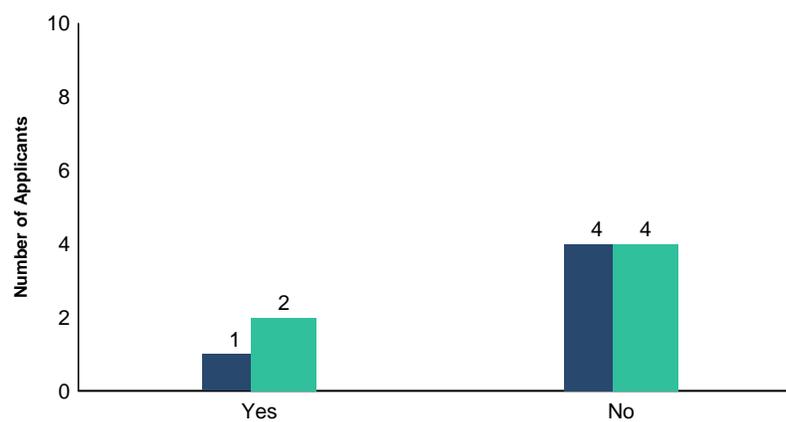
**Other Characteristics of International Medical Graduates**  
*Interventional Radiology*

**U.S. IMGs**

**Ph.D. Degree**

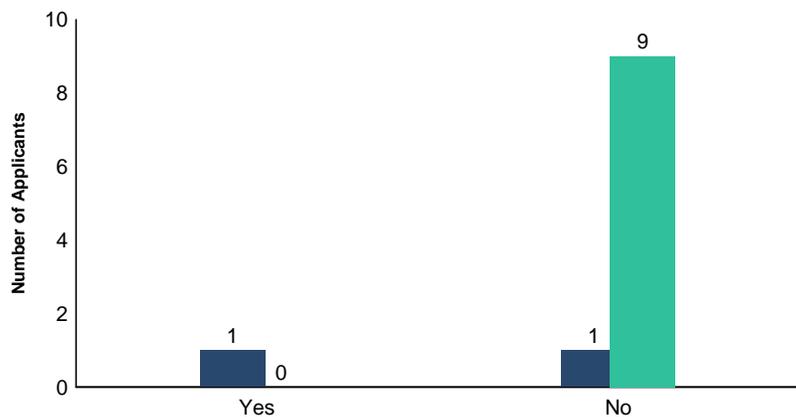


**Other Graduate Degree**

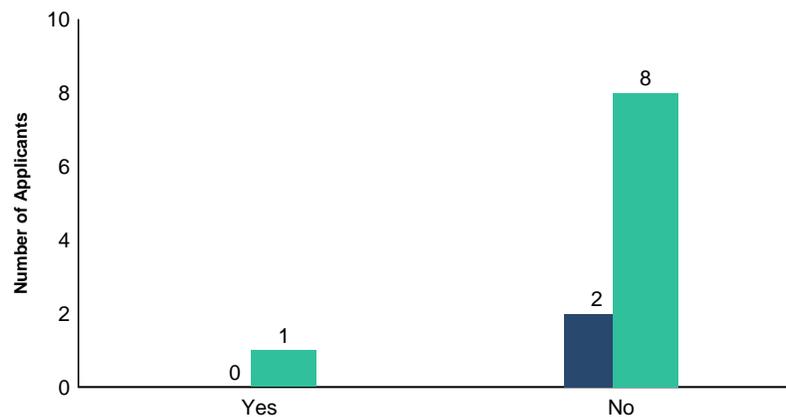


**Non-U.S. IMGs**

**Ph.D. Degree**



**Other Graduate Degree**



Source: NRMP Data Warehouse

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**NS** Neurological Surgery

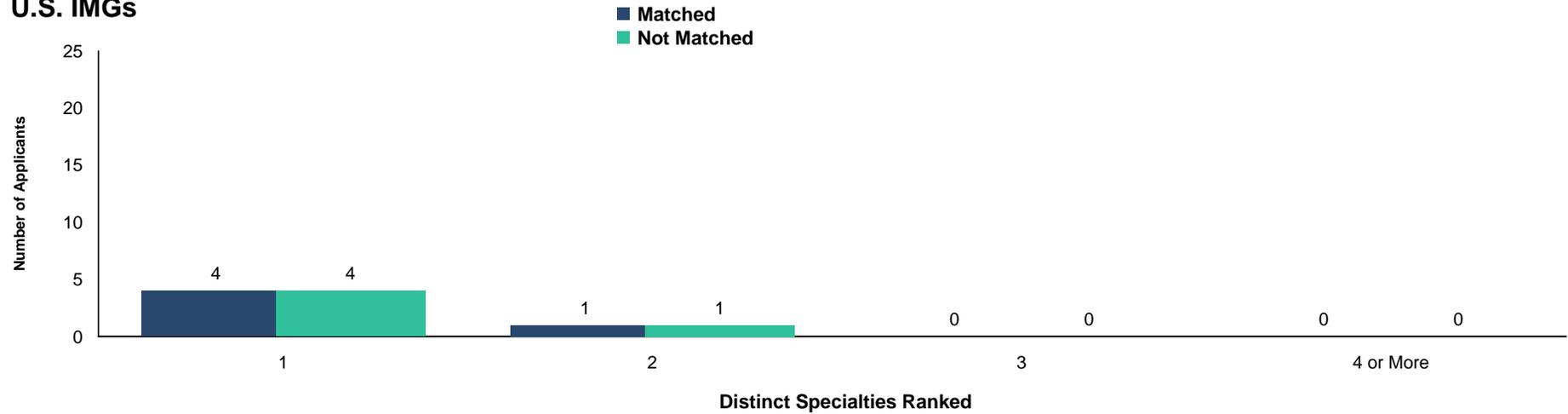
Measure	U.S. IMGs		Non-U.S. IMGs	
	Matched (n=5)	Unmatched (n=5)	Matched (n=11)	Unmatched (n=33)
1. Mean number of contiguous ranks	6.6	3.6	5.5	3.3
2. Mean number of distinct specialties ranked	1.2	1.2	1.3	1.3
3. Mean USMLE Step 1 score	239	238	243	235
4. Mean USMLE Step 2 score	250	246	245	240
5. Mean number of research experiences	2.0	8.3	3.7	3.4
6. Mean number of abstracts, presentations, and publications	28.2	57.8	60.8	38.3
7. Mean number of work experiences	4.3	9.8	4.7	5.0
8. Mean number of volunteer experiences	2.0	3.5	2.3	3.3
9. Percentage who have a Ph.D. degree	0.0	25.0	18.2	20.0
10. Percentage who have another graduate degree	0.0	25.0	50.0	41.9

Note: Only applicants who gave consent to use their information in research are included.  
Source: NRMP Data Warehouse

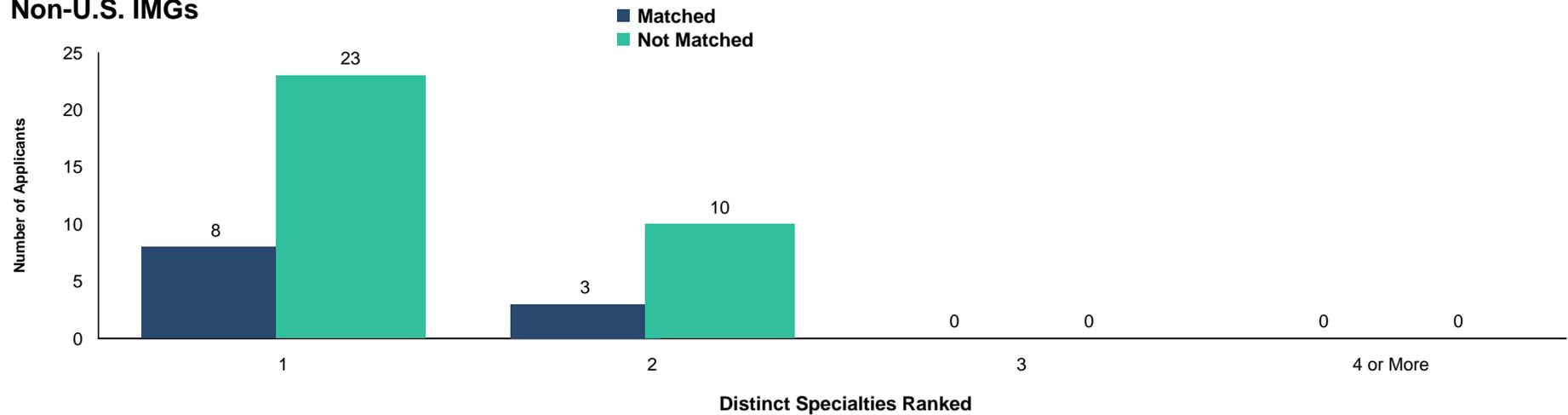
**Chart  
NS-1**

# Number of Distinct Specialties Ranked by International Medical Graduates Neurological Surgery

## U.S. IMGs



## Non-U.S. IMGs

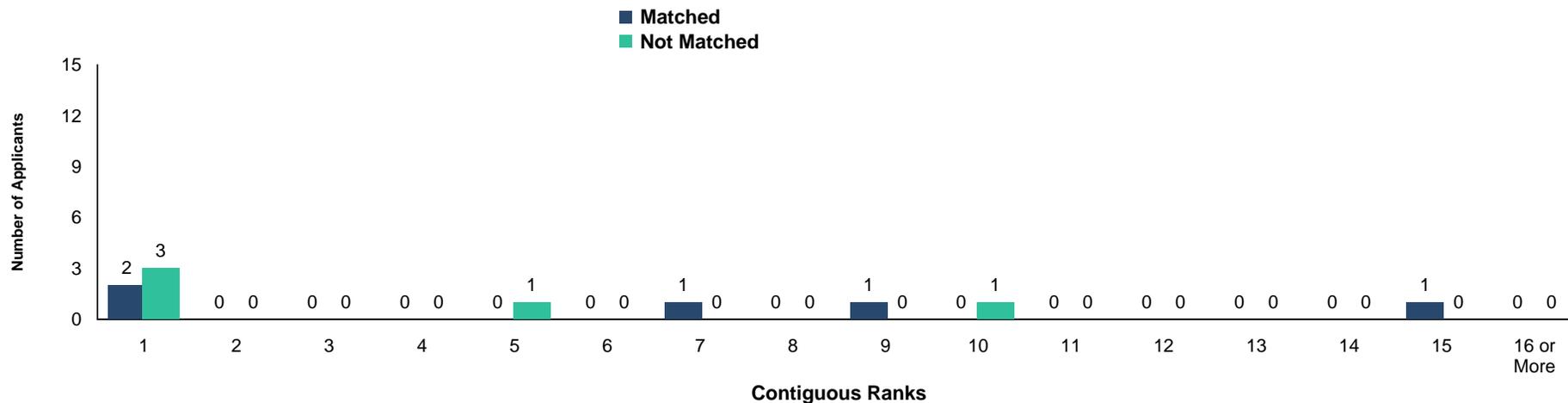


Source: NRMP Data Warehouse

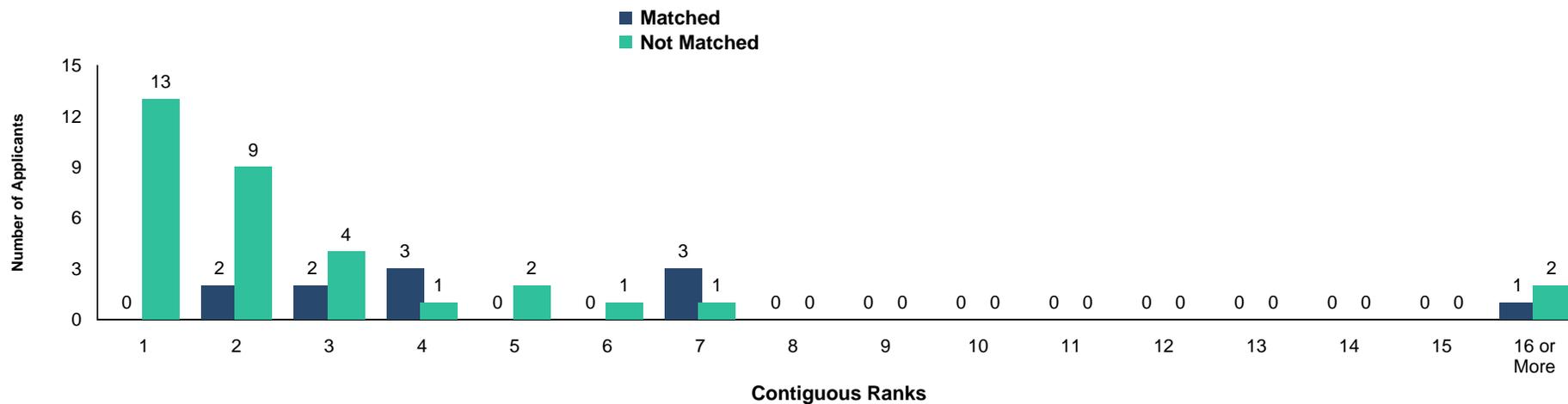
**Chart  
NS-2**

**Number of Contiguous Ranks of International Medical Graduates  
Neurological Surgery**

**U.S. IMGs**



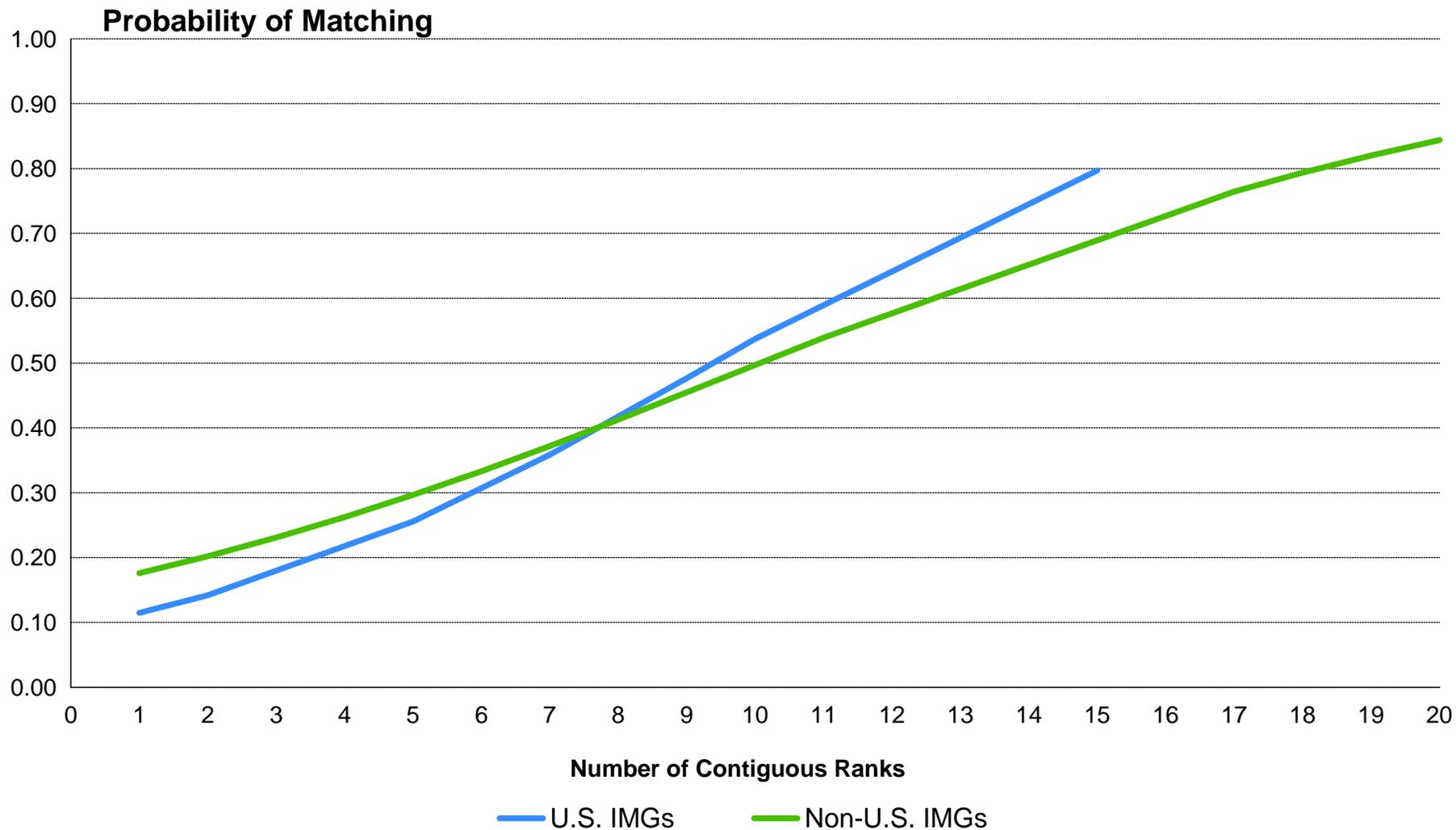
**Non-U.S. IMGs**



Source: NRMP Data Warehouse

**Graph  
NS-1**

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

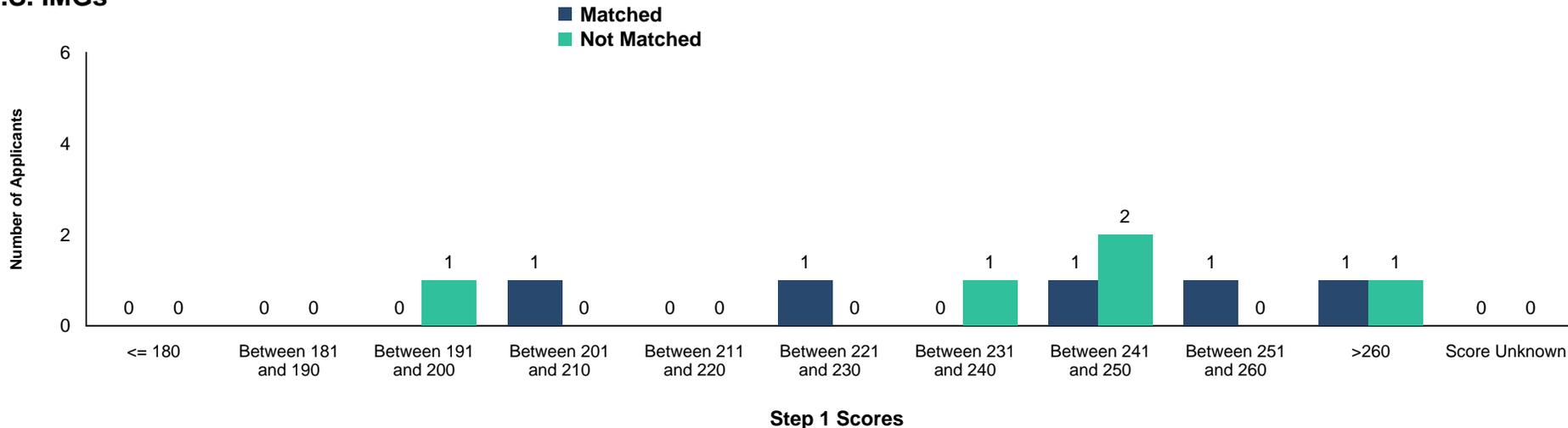


Source: NRMP Data Warehouse. Note: Probabilities calculated based on 2018-2020 applicants

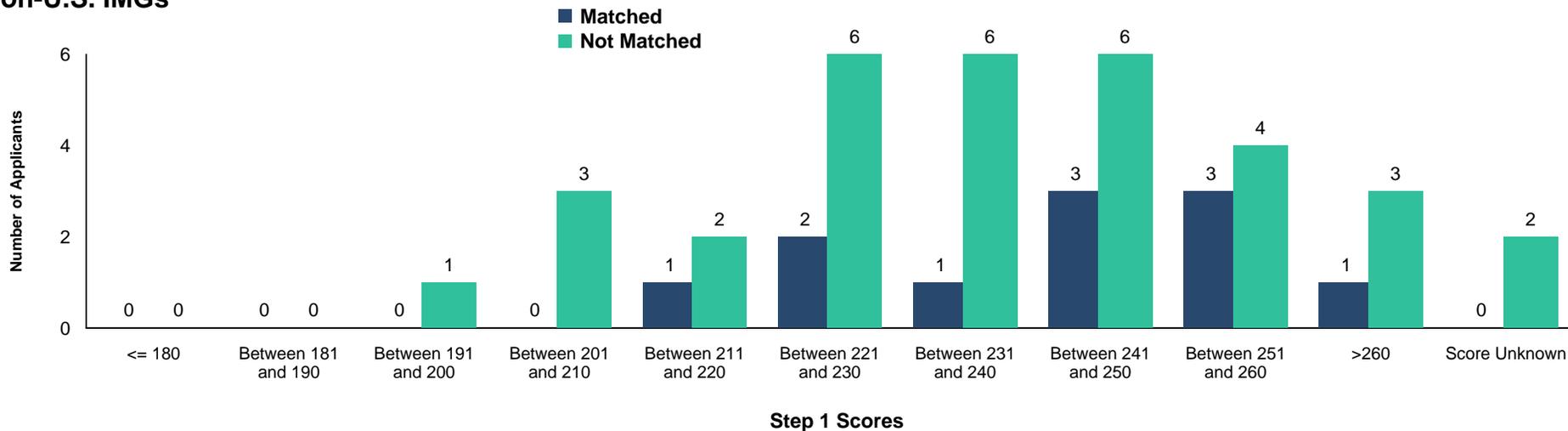
**Chart  
NS-3**

**USMLE Step 1 Scores of International Medical Graduates  
*Neurological Surgery***

**U.S. IMGs**



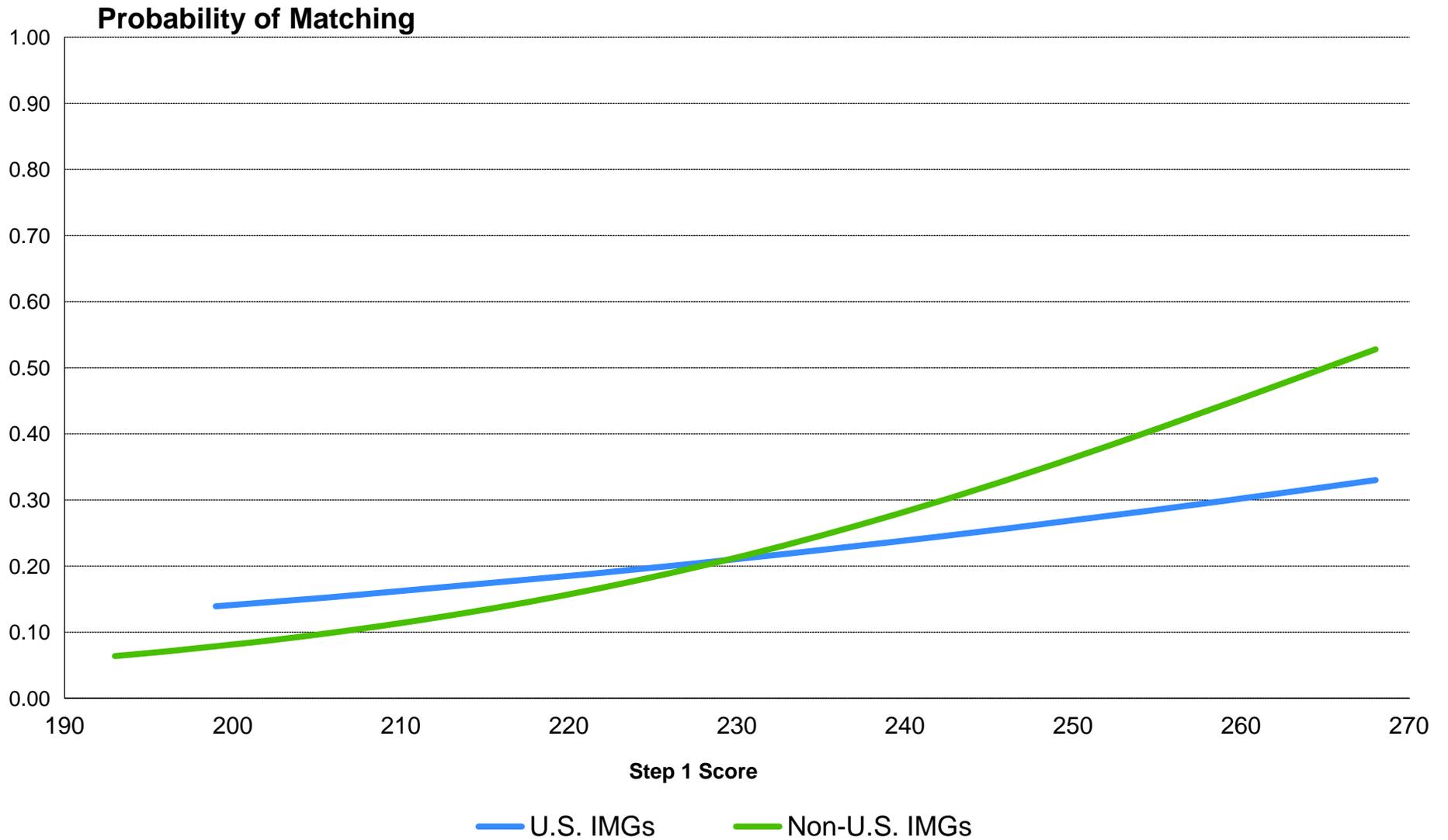
**Non-U.S. IMGs**



Source: NRMP Data Warehouse

# Probability of International Medical Graduates Matching to Preferred Specialty by USMLE Step 1 Score

## Neurological Surgery

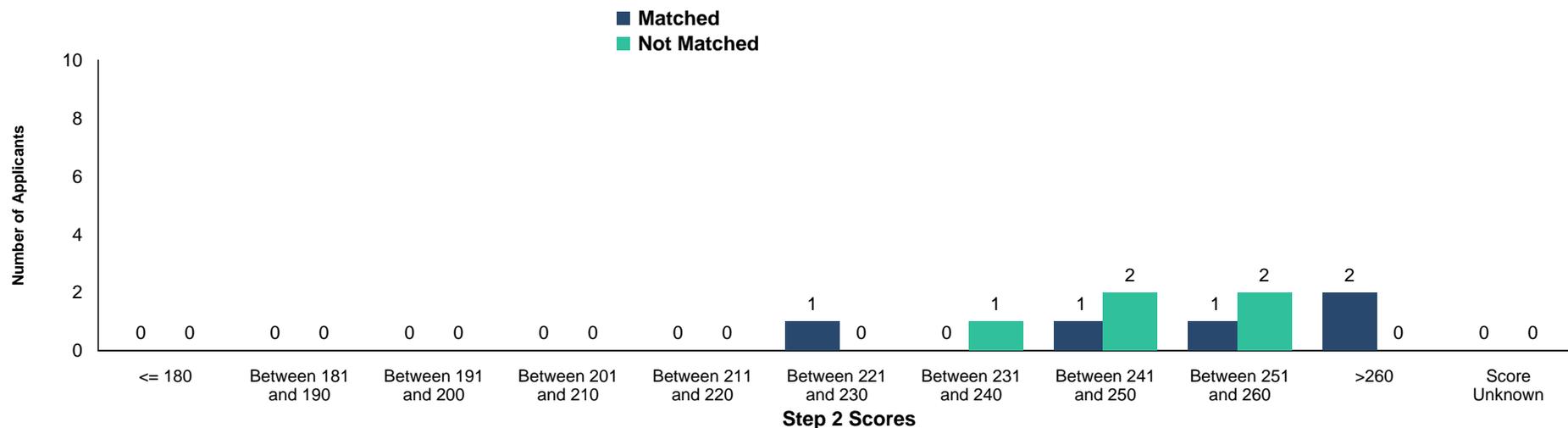


Source: NRMP Data Warehouse. Note: Probabilities calculated based on 2018-2020 applicants.

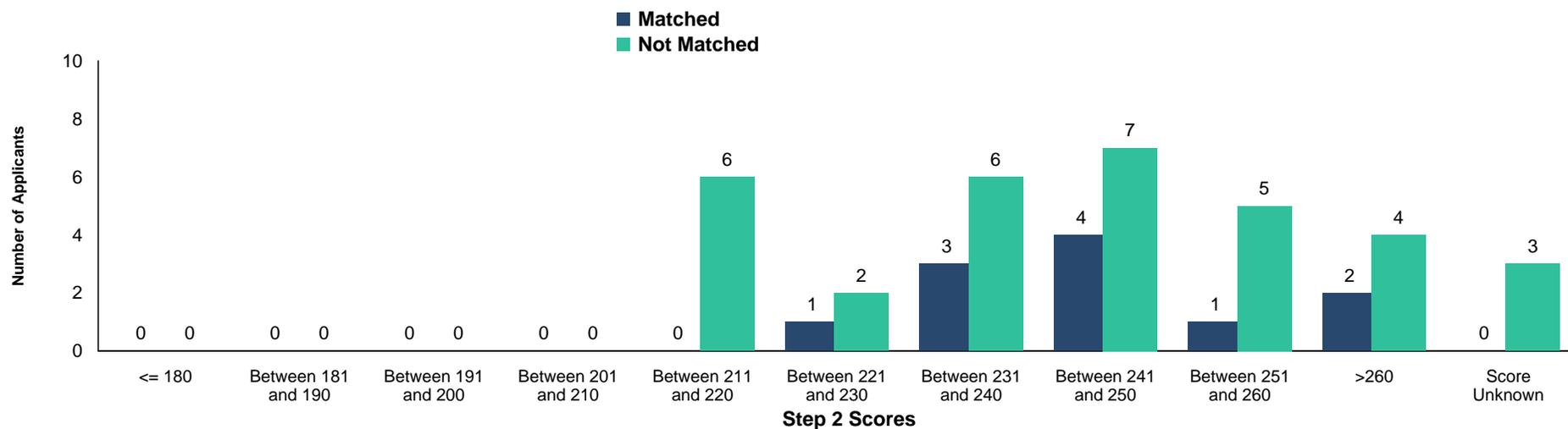
**Chart  
NS-4**

**USMLE Step 2 CK Scores of International Medical Graduates  
Neurological Surgery**

**U.S. IMGs**



**Non-U.S. IMGs**

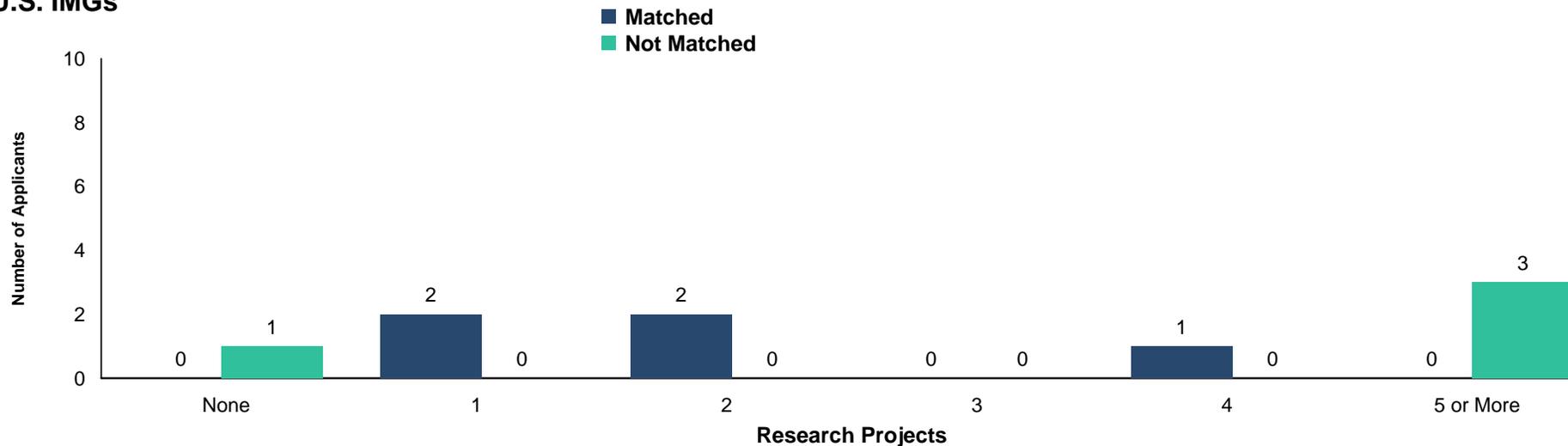


Source: NRMP Data Warehouse

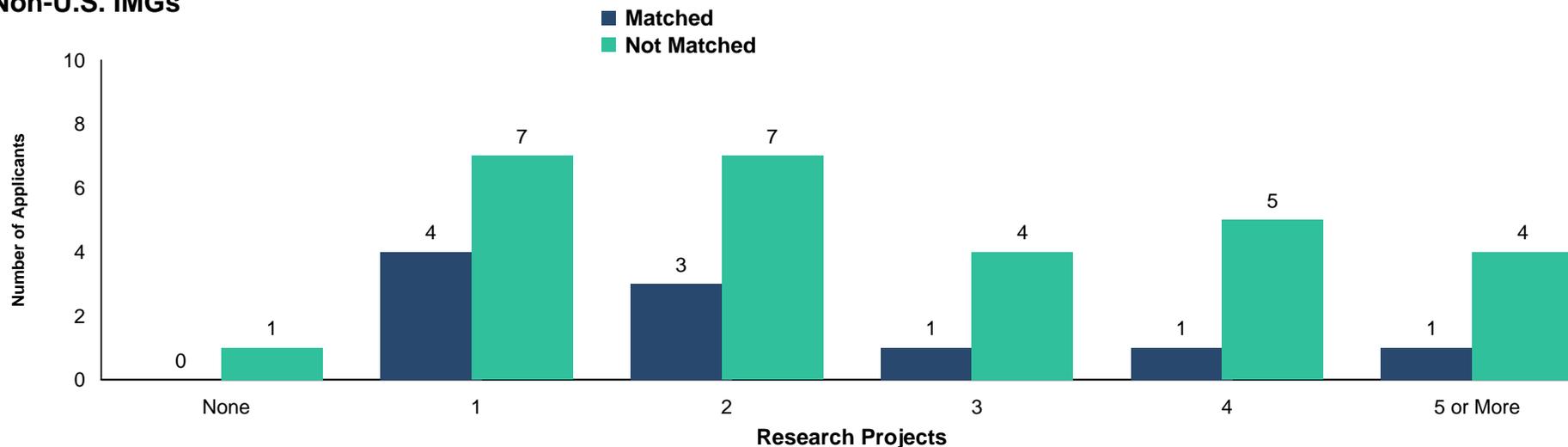
**Chart  
NS-5**

**Number of Research Projects of International Medical Graduates  
*Neurological Surgery***

**U.S. IMGs**



**Non-U.S. IMGs**

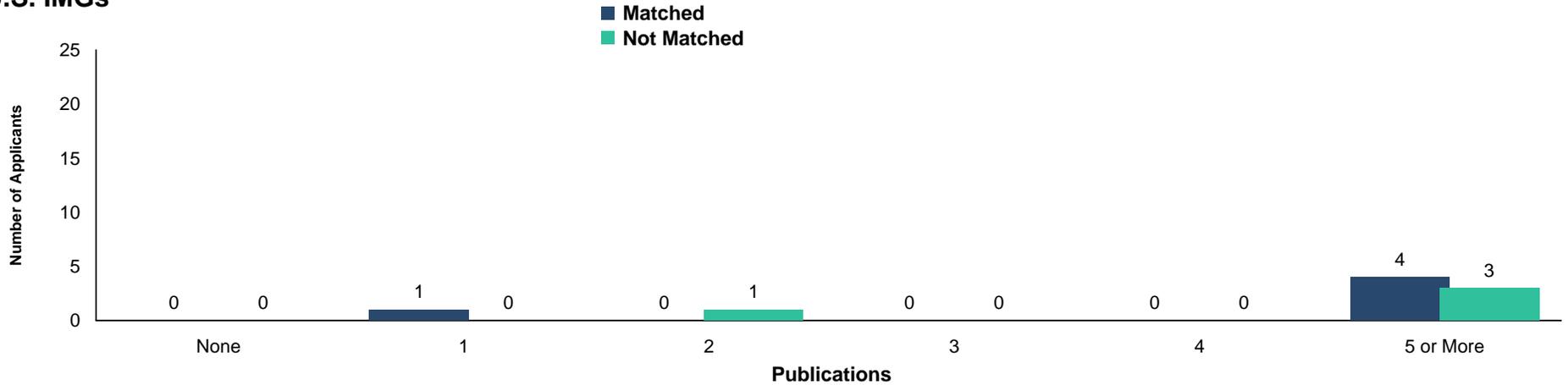


Source: NRMP Data Warehouse

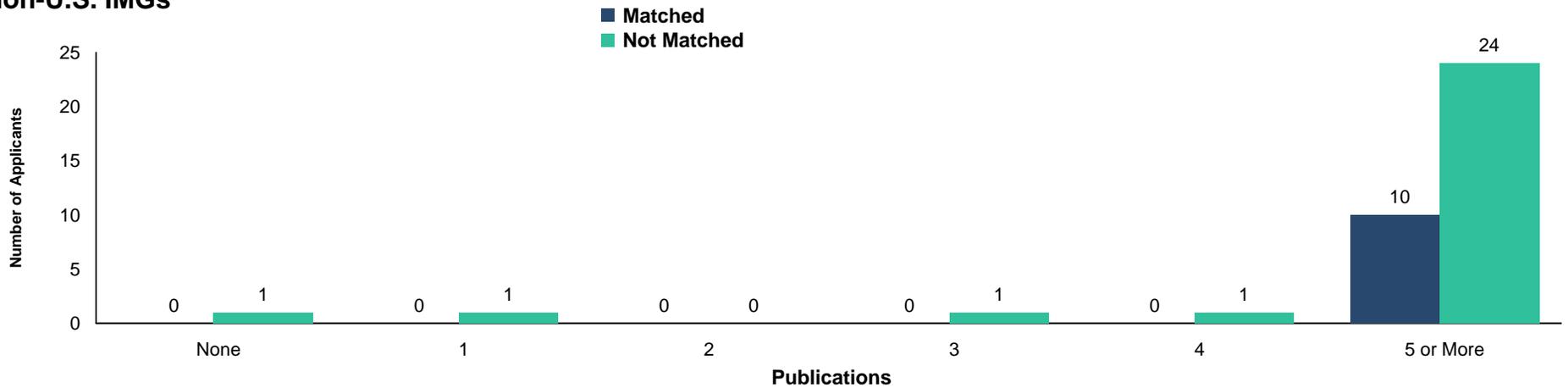
**Chart  
NS-6**

**Number of Abstracts, Presentations, and Publications of International Medical Graduates  
Neurological Surgery**

**U.S. IMGs**



**Non-U.S. IMGs**

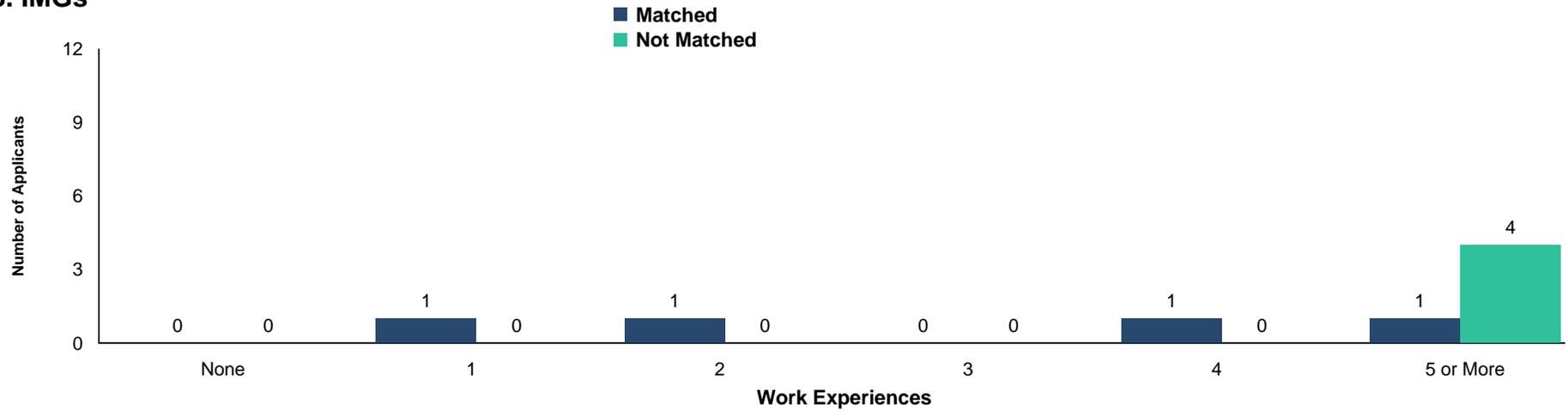


Source: NRMP Data Warehouse

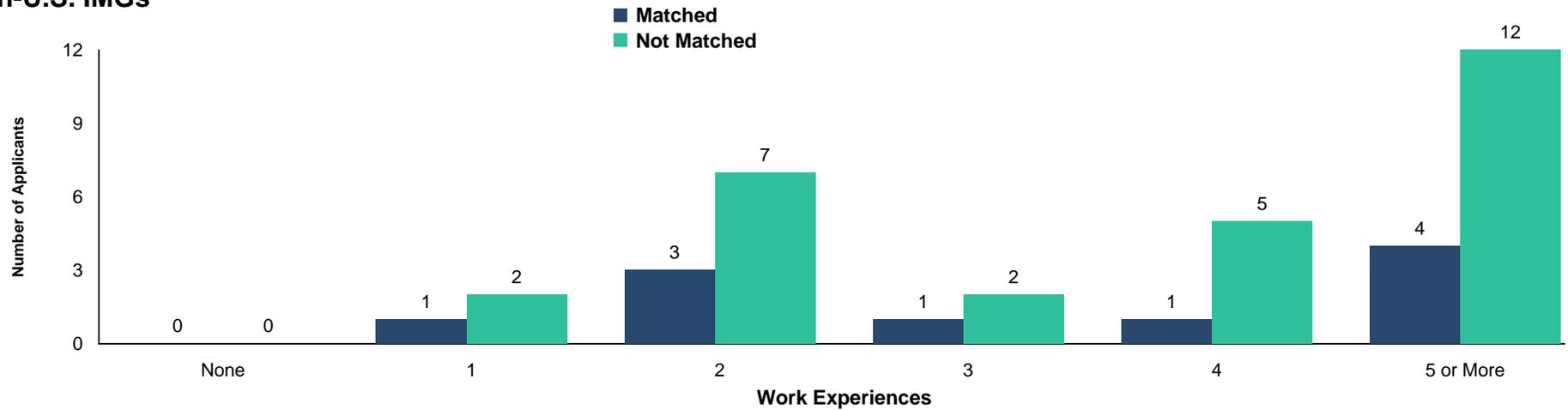
**Chart  
NS-7**

**Number of Work Experiences of International Medical Graduates  
Neurological Surgery**

**U.S. IMGs**



**Non-U.S. IMGs**

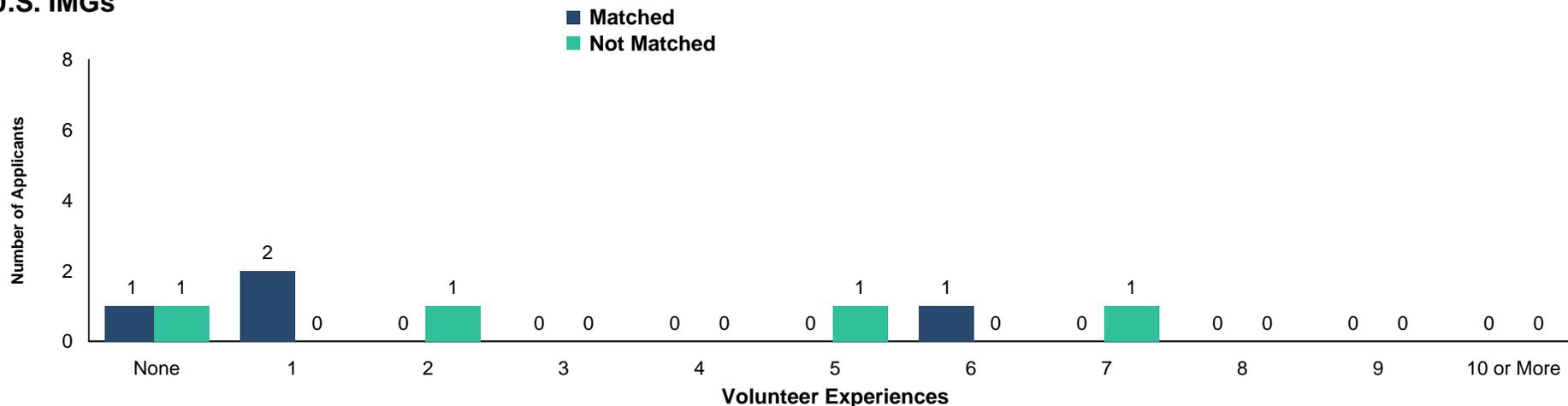


Source: NRMP Data Warehouse

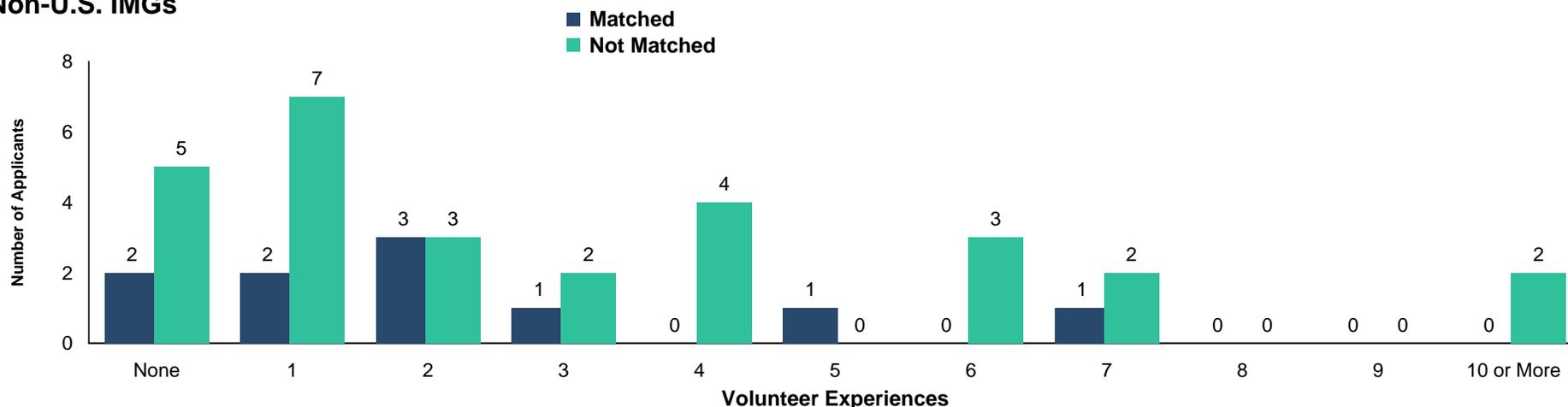
**Chart  
NS-8**

**Number of Volunteer Experiences of International Medical Graduates  
Neurological Surgery**

**U.S. IMGs**



**Non-U.S. IMGs**



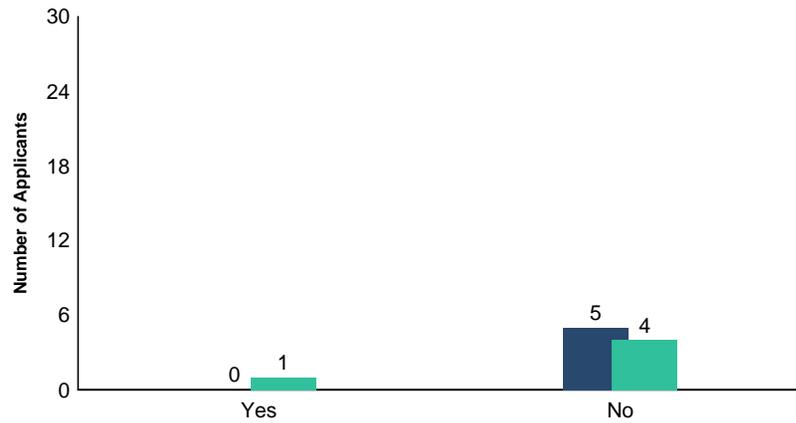
Source: NRMP Data Warehouse

**Chart  
NS-9**

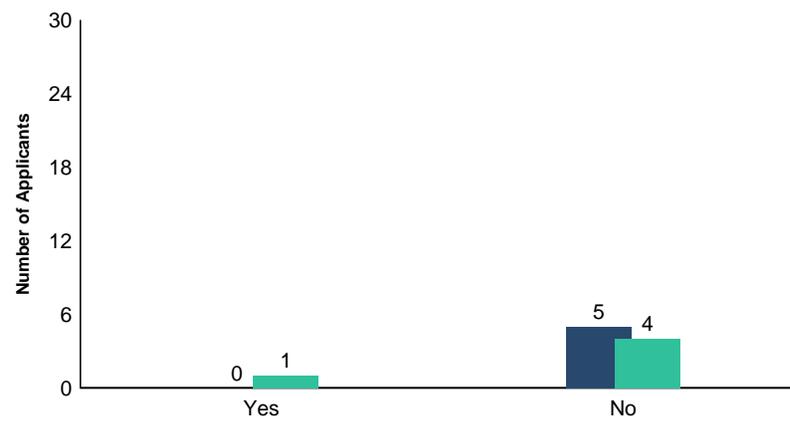
**Other Characteristics of International Medical Graduates  
Neurological Surgery**

**U.S. IMGs**

**Ph.D. Degree**

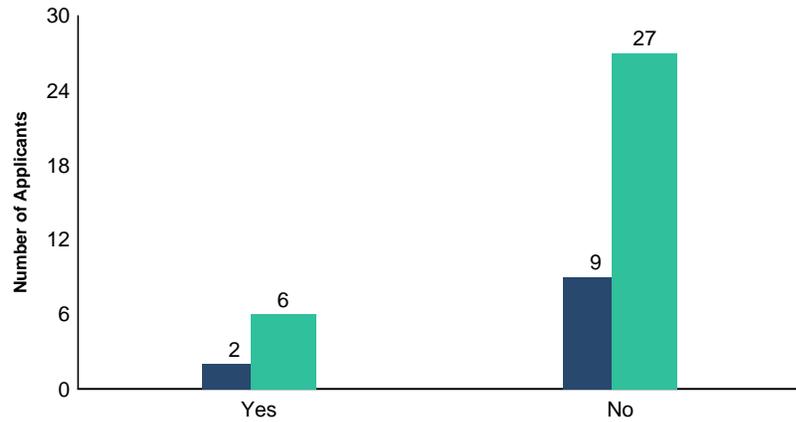


**Other Graduate Degree**

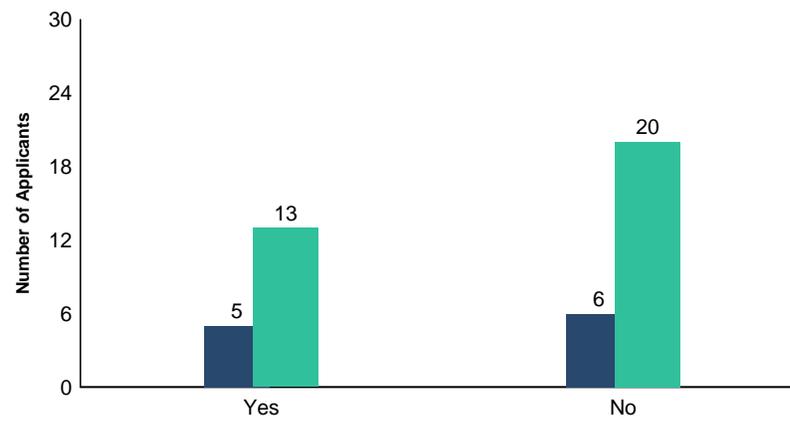


**Non-U.S. IMGs**

**Ph.D. Degree**



**Other Graduate Degree**



Source: NRMP Data Warehouse

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**N** **Neurology**

**Table N-1** **Summary Statistics**  
**Neurology**

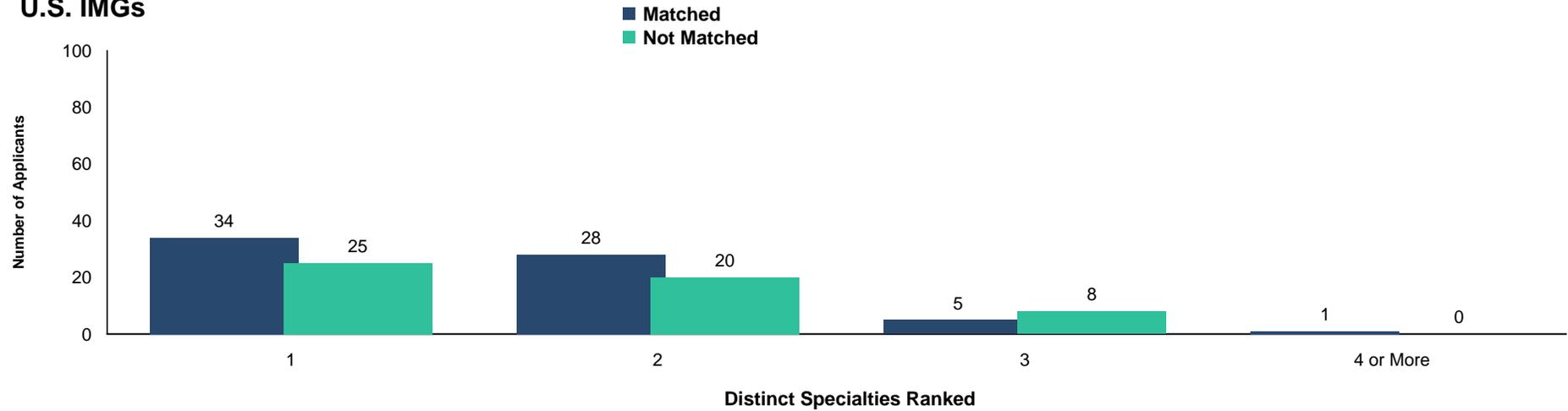
Measure	U.S. IMGs		Non-U.S. IMGs	
	Matched (n=69)	Unmatched (n=53)	Matched (n=194)	Unmatched (n=89)
1. Mean number of contiguous ranks	7.6	1.5	6.6	1.8
2. Mean number of distinct specialties ranked	1.7	1.7	1.6	1.8
3. Mean USMLE Step 1 score	227	212	233	223
4. Mean USMLE Step 2 score	236	221	239	226
5. Mean number of research experiences	2.4	4.2	3.2	3.2
6. Mean number of abstracts, presentations, and publications	4.3	7.1	10.7	10.3
7. Mean number of work experiences	4.8	5.2	6.1	8.1
8. Mean number of volunteer experiences	4.7	4.5	4.1	4.3
9. Percentage who have a Ph.D. degree	3.2	11.1	7.1	6.0
10. Percentage who have another graduate degree	20.6	42.2	22.0	31.0

Note: Only applicants who gave consent to use their information in research are included.  
Source: NRMP Data Warehouse

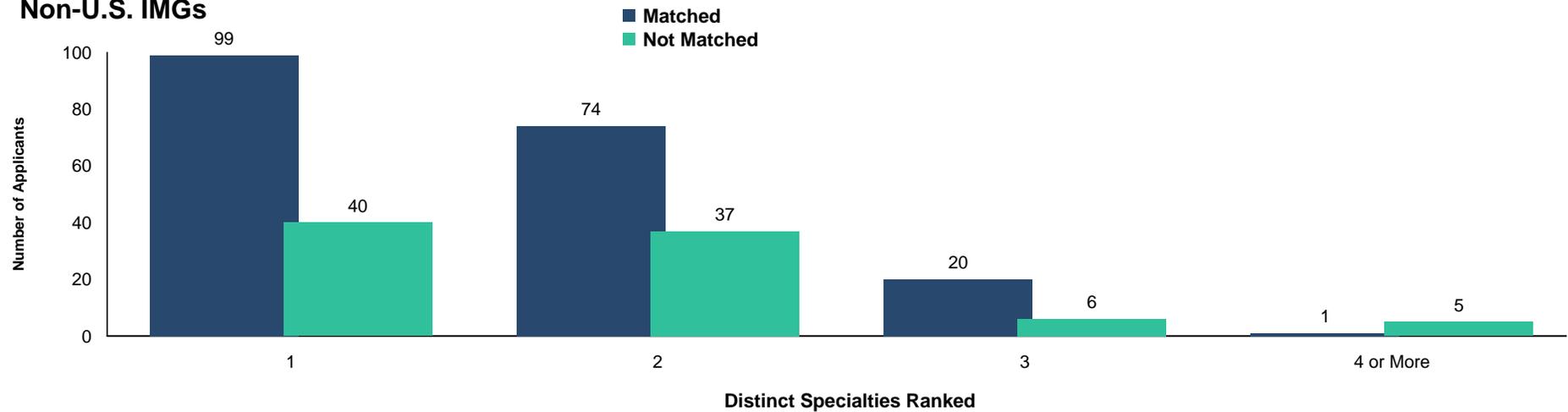
**Chart  
N-1**

**Number of Distinct Specialties Ranked by International Medical Graduates  
Neurology**

**U.S. IMGs**



**Non-U.S. IMGs**

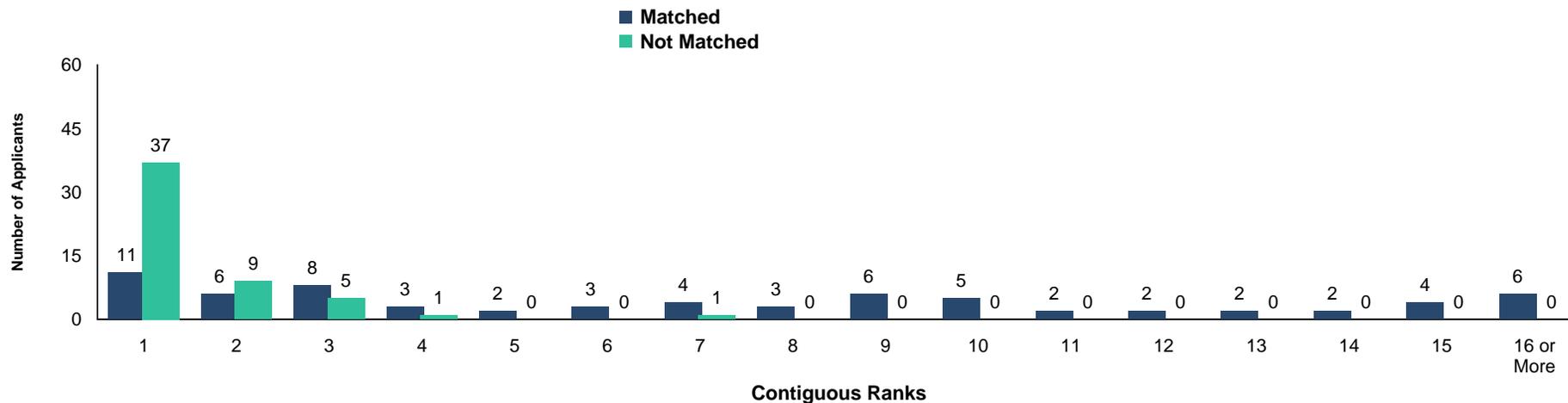


Source: NRMP Data Warehouse

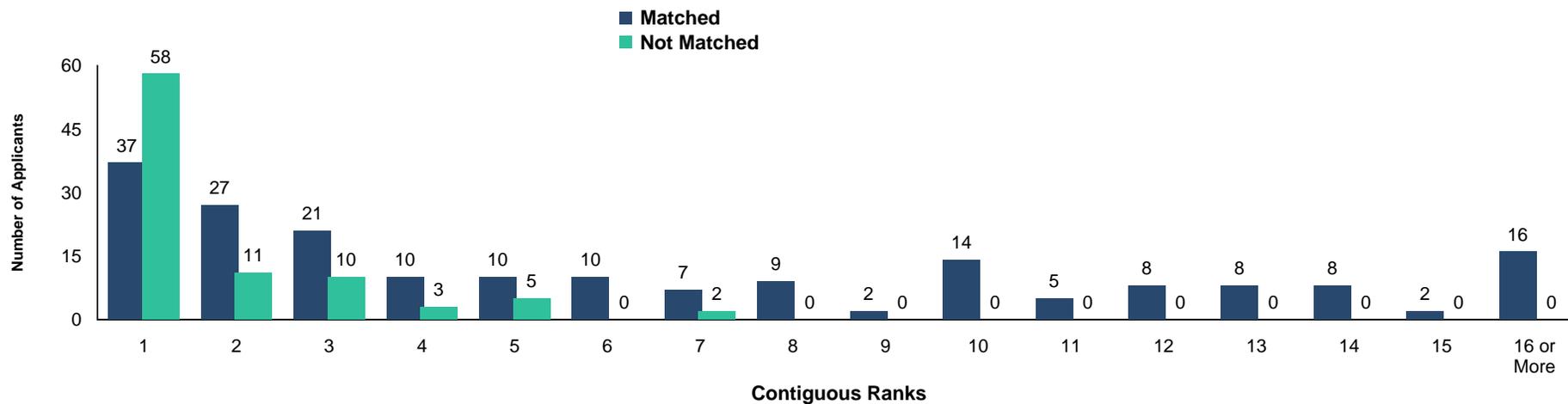
**Chart  
N-2**

**Number of Contiguous Ranks of International Medical Graduates  
Neurology**

**U.S. IMGs**



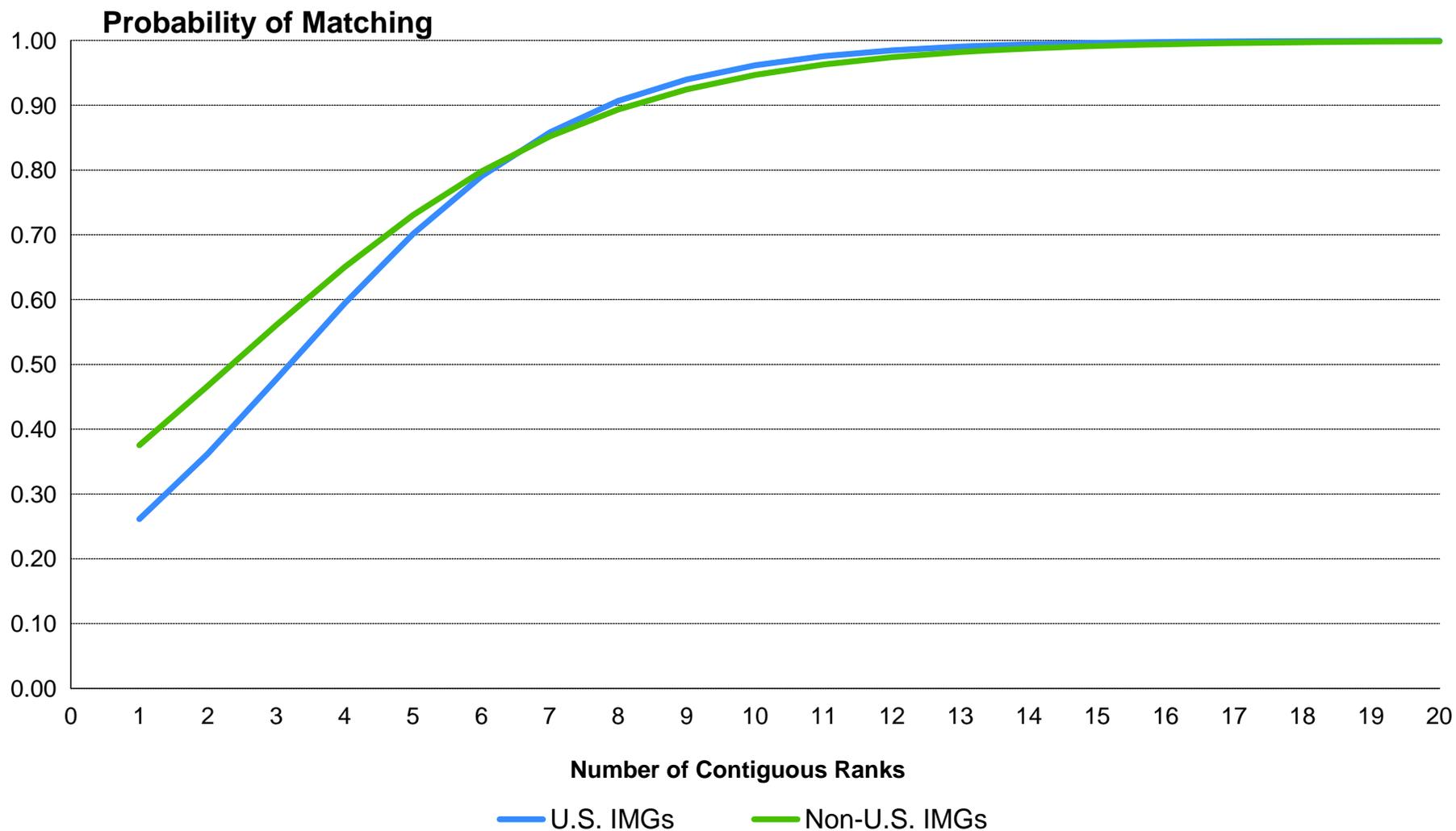
**Non-U.S. IMGs**



Source: NRMP Data Warehouse

**Graph  
N-1**

**Probability of International Medical Graduates Matching to Preferred Specialty by Number of Contiguous Ranks**  
*Neurology*

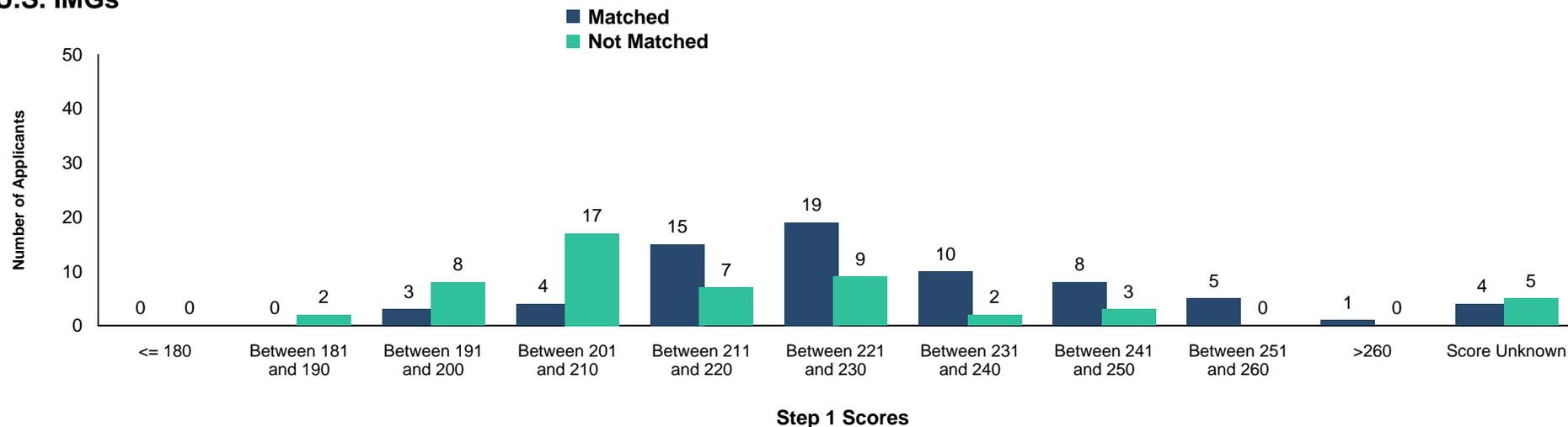


Source: NRMP Data Warehouse. Note: Probabilities calculated based on 2018-2020 applicants

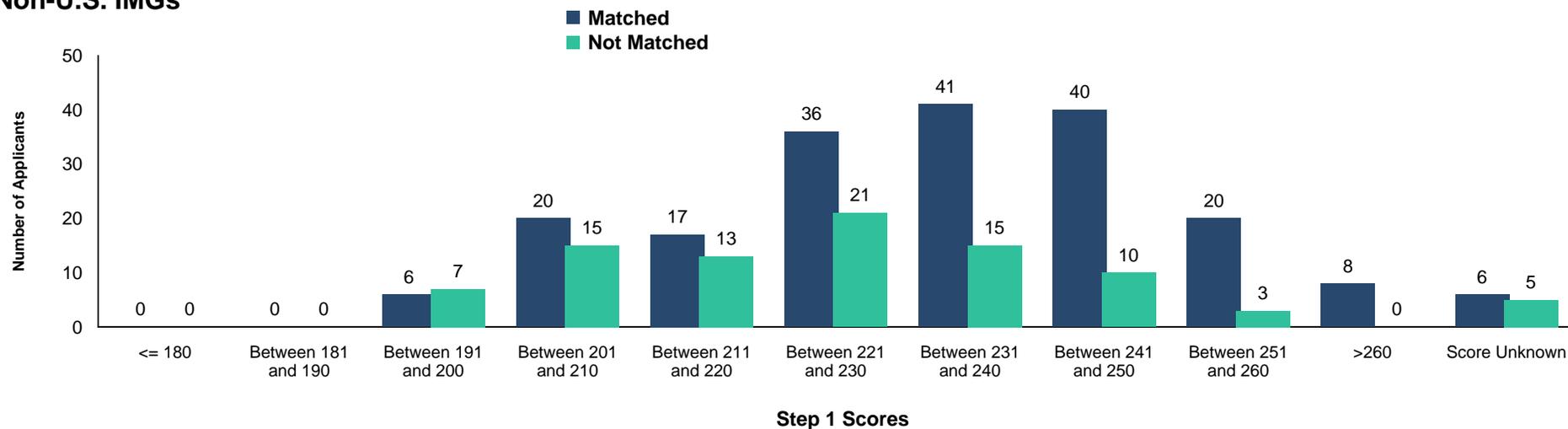
**Chart  
N-3**

**USMLE Step 1 Scores of International Medical Graduates  
Neurology**

**U.S. IMGs**



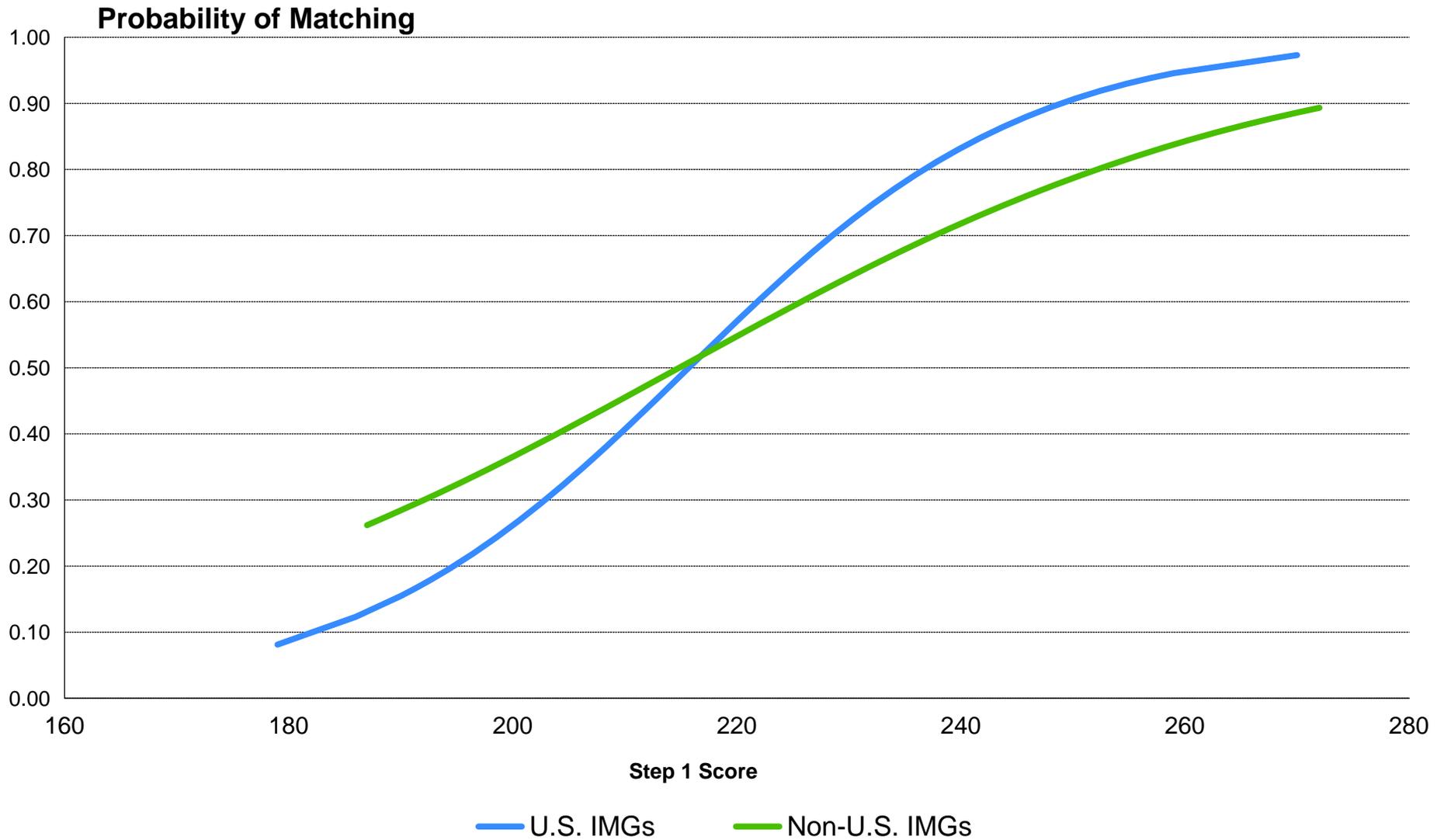
**Non-U.S. IMGs**



Source: NRMP Data Warehouse

**Graph  
N-2**

**Probability of International Medical Graduates Matching to Preferred Specialty by USMLE Step 1 Score**  
*Neurology*

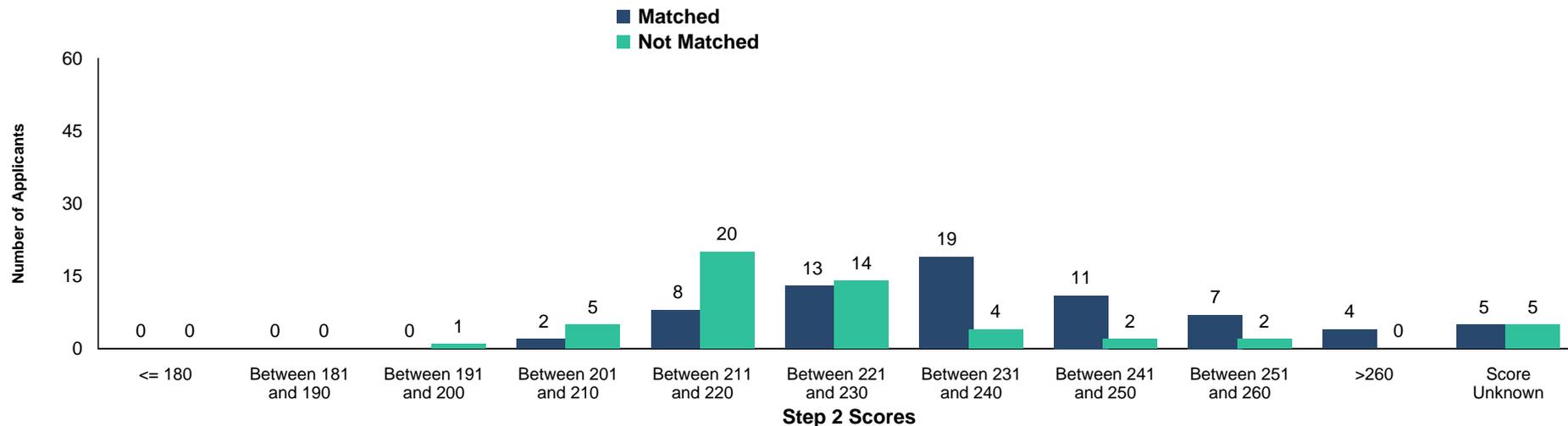


Source: NRMP Data Warehouse. Note: Probabilities calculated based on 2018-2020 applicants.

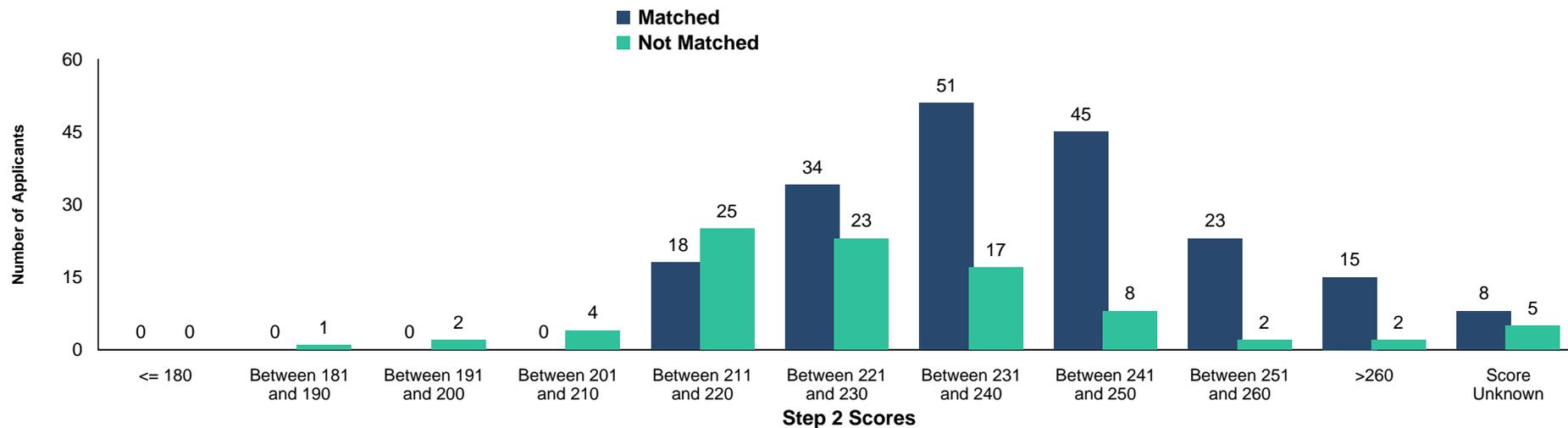
**Chart  
N-4**

**USMLE Step 2 CK Scores of International Medical Graduates  
Neurology**

**U.S. IMGs**



**Non-U.S. IMGs**

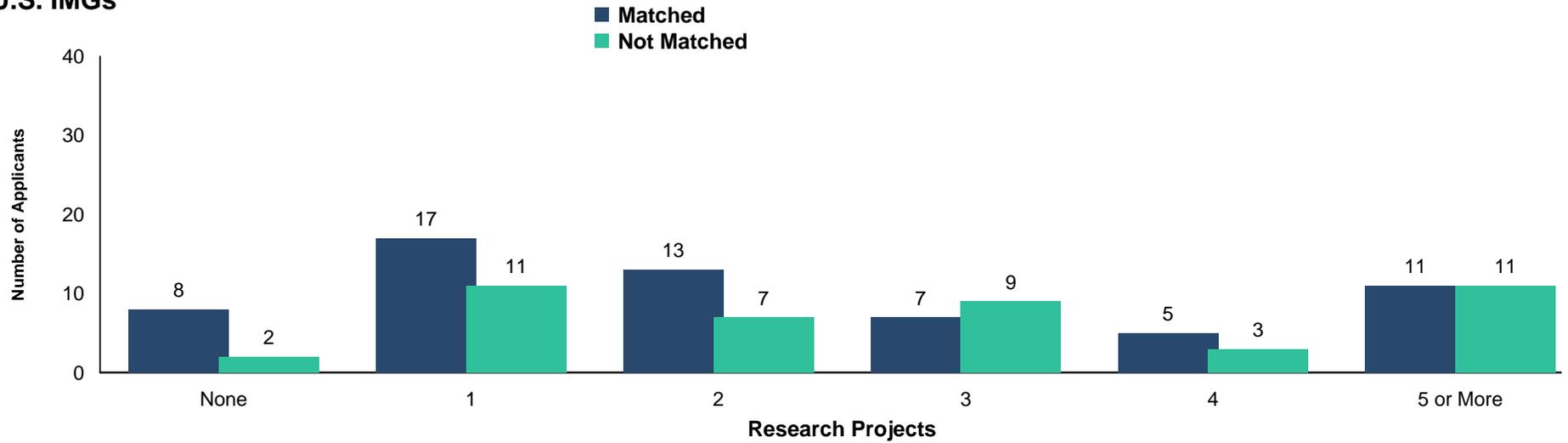


Source: NRMP Data Warehouse

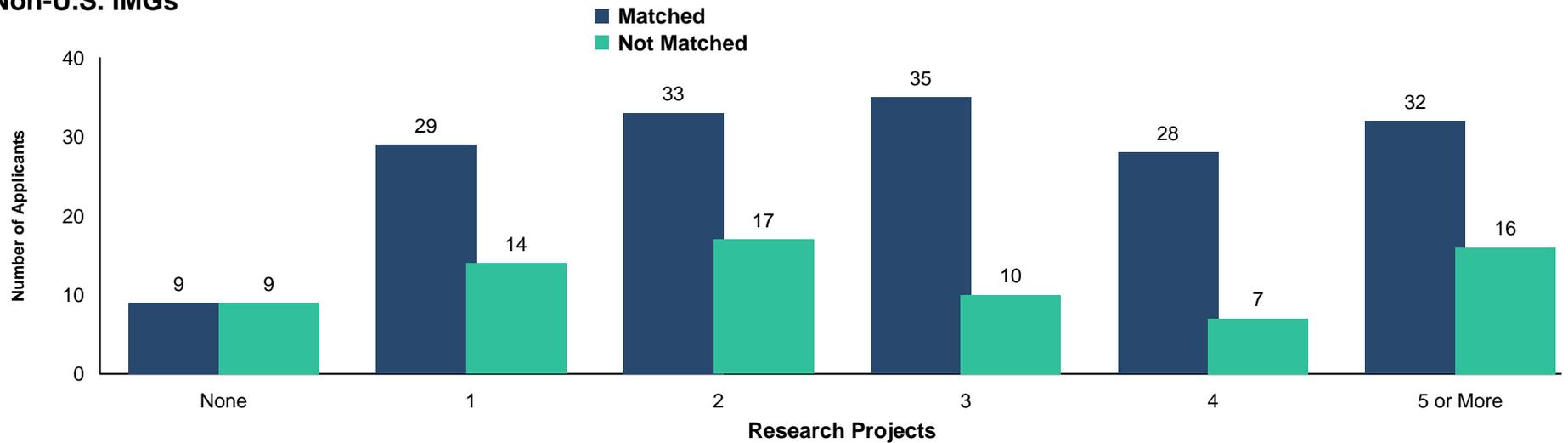
**Chart  
N-5**

**Number of Research Projects of International Medical Graduates  
Neurology**

**U.S. IMGs**



**Non-U.S. IMGs**

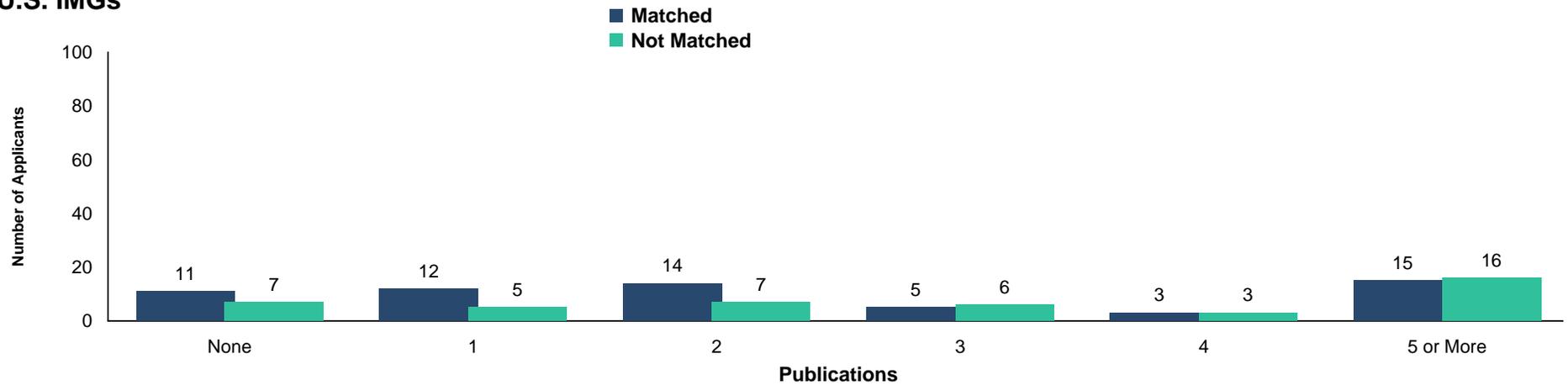


Source: NRMP Data Warehouse

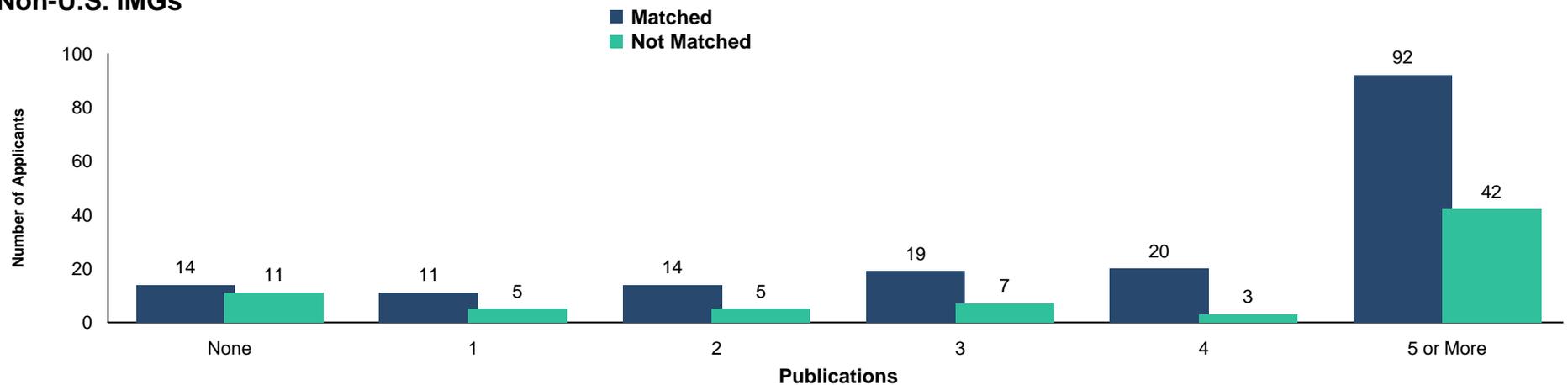
**Chart  
N-6**

**Number of Abstracts, Presentations, and Publications of International Medical Graduates  
Neurology**

**U.S. IMGs**



**Non-U.S. IMGs**

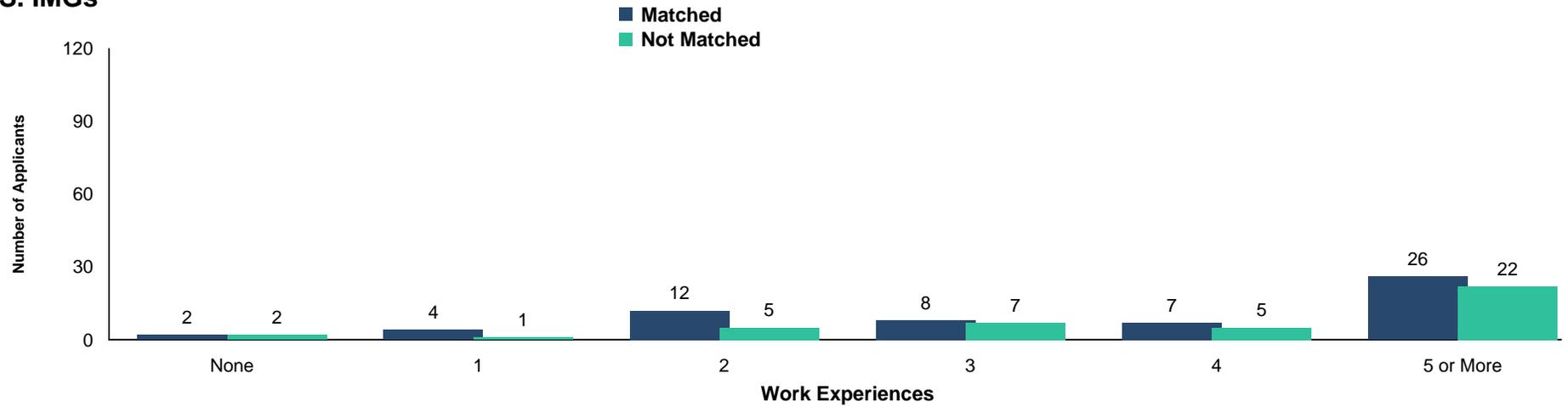


Source: NRMP Data Warehouse

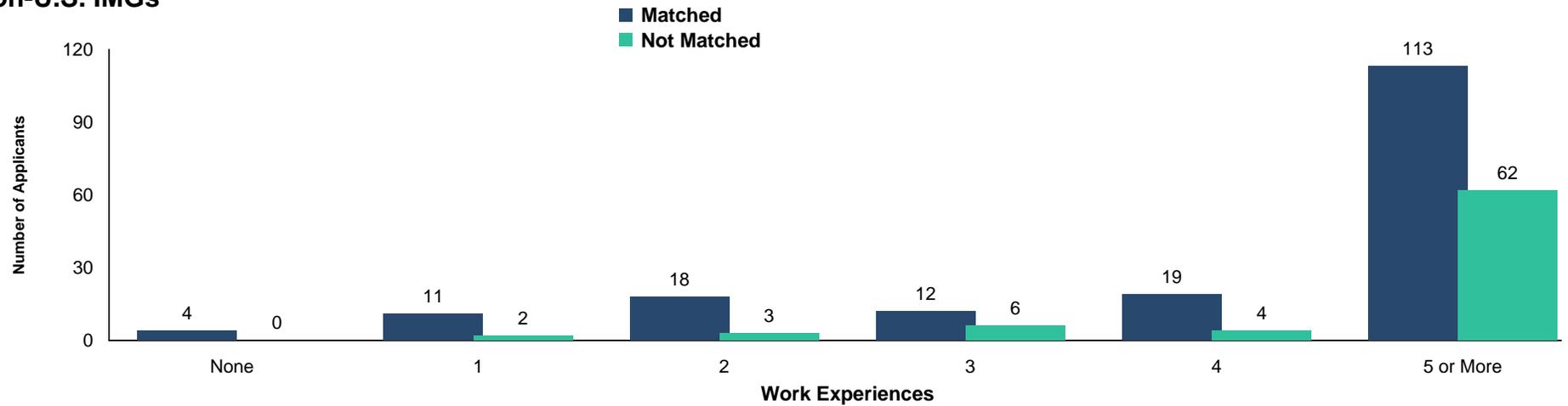
**Chart  
N-7**

**Number of Work Experiences of International Medical Graduates  
Neurology**

**U.S. IMGs**



**Non-U.S. IMGs**

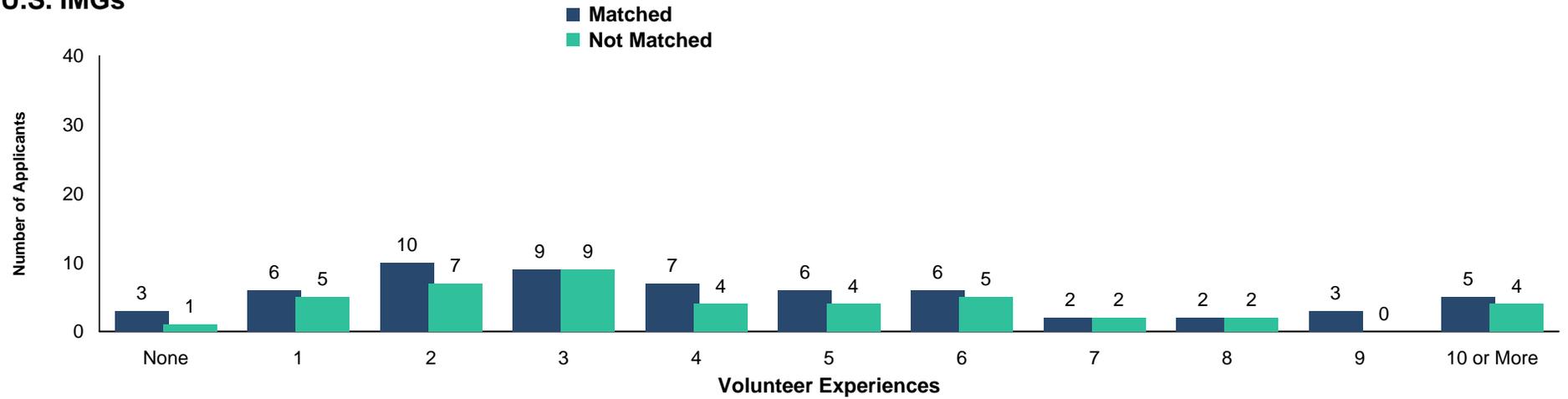


Source: NRMP Data Warehouse

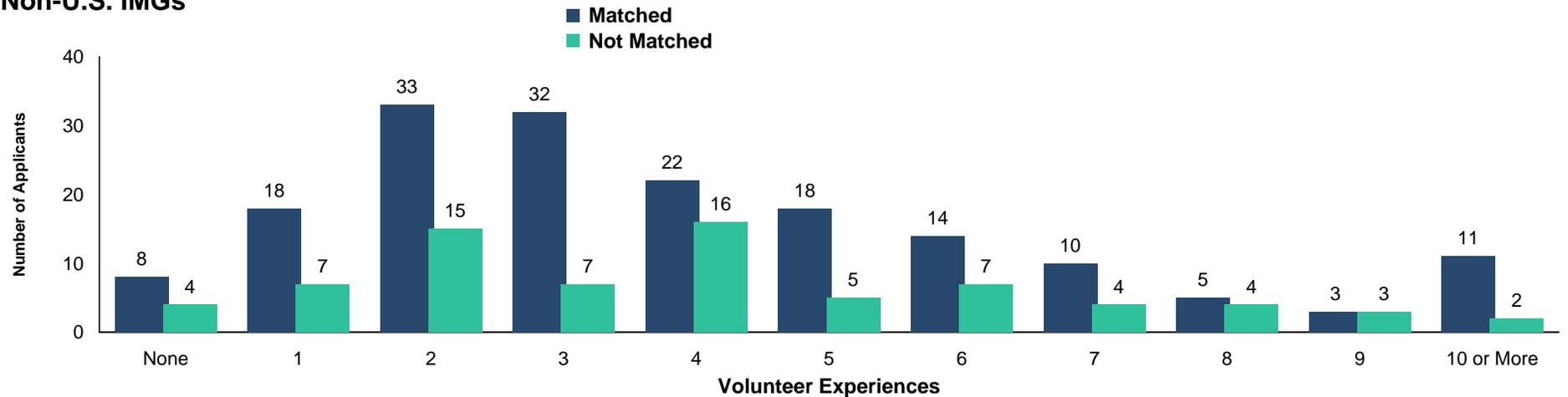
**Chart  
N-8**

**Number of Volunteer Experiences of International Medical Graduates  
Neurology**

**U.S. IMGs**



**Non-U.S. IMGs**



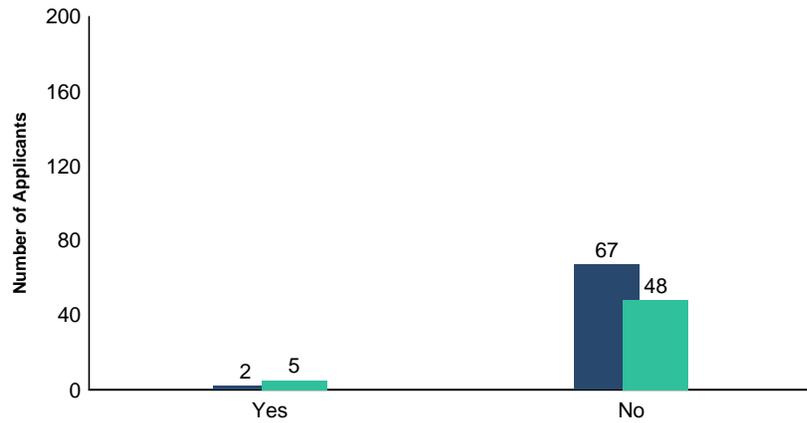
Source: NRMP Data Warehouse

**Chart  
N-9**

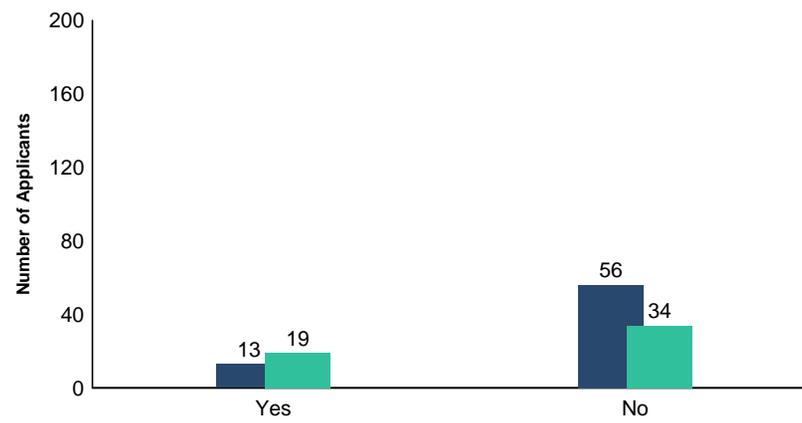
**Other Characteristics of International Medical Graduates  
Neurology**

**U.S. IMGs**

**Ph.D. Degree**

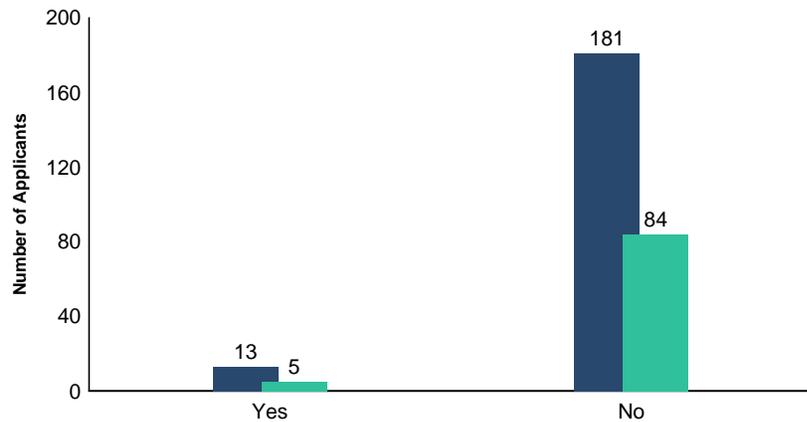


**Other Graduate Degree**

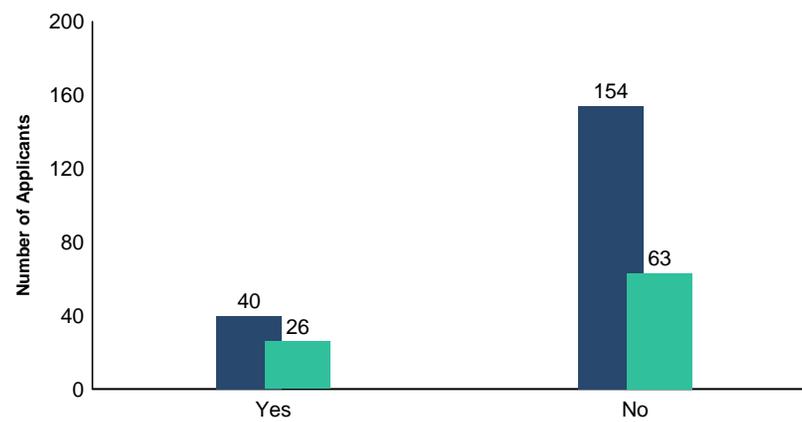


**Non-U.S. IMGs**

**Ph.D. Degree**



**Other Graduate Degree**



Source: NRMP Data Warehouse

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**OB** Obstetrics and Gynecology

**Table OB-1** **Summary Statistics**  
**Obstetrics and Gynecology**

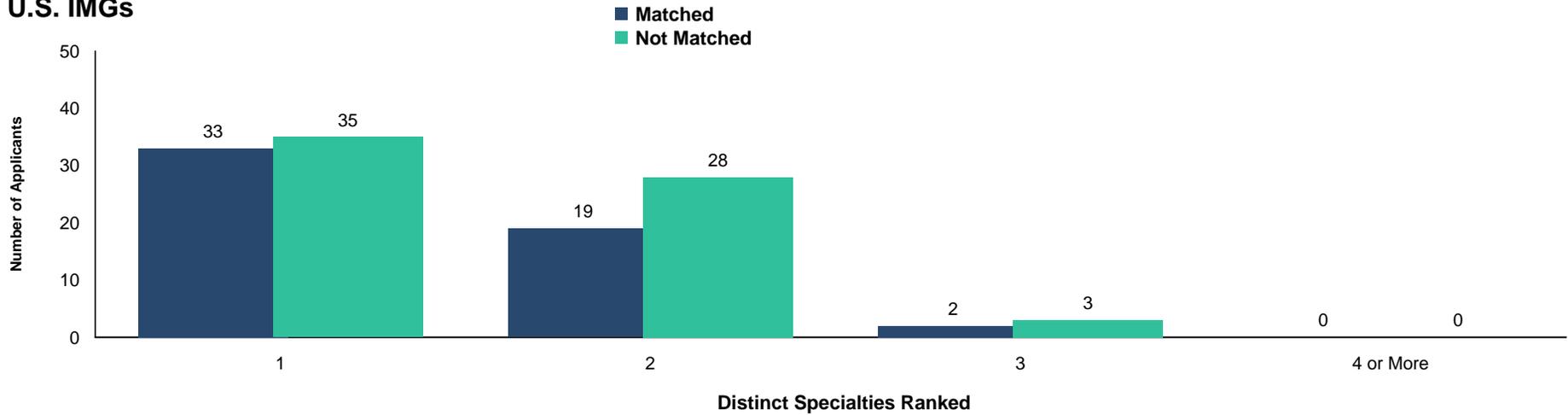
Measure	U.S. IMGs		Non-U.S. IMGs	
	Matched (n=54)	Unmatched (n=66)	Matched (n=30)	Unmatched (n=73)
1. Mean number of contiguous ranks	5.7	3.0	3.7	2.6
2. Mean number of distinct specialties ranked	1.4	1.5	1.3	1.5
3. Mean USMLE Step 1 score	229	218	237	223
4. Mean USMLE Step 2 score	240	233	245	232
5. Mean number of research experiences	2.5	3.2	3.2	2.6
6. Mean number of abstracts, presentations, and publications	3.6	1.9	6.8	9.1
7. Mean number of work experiences	4.3	4.1	5.2	5.4
8. Mean number of volunteer experiences	5.8	5.5	4.7	4.4
9. Percentage who have a Ph.D. degree	0.0	0.0	0.0	4.4
10. Percentage who have another graduate degree	26.0	26.6	26.7	43.3

Note: Only applicants who gave consent to use their information in research are included.  
Source: NRMP Data Warehouse

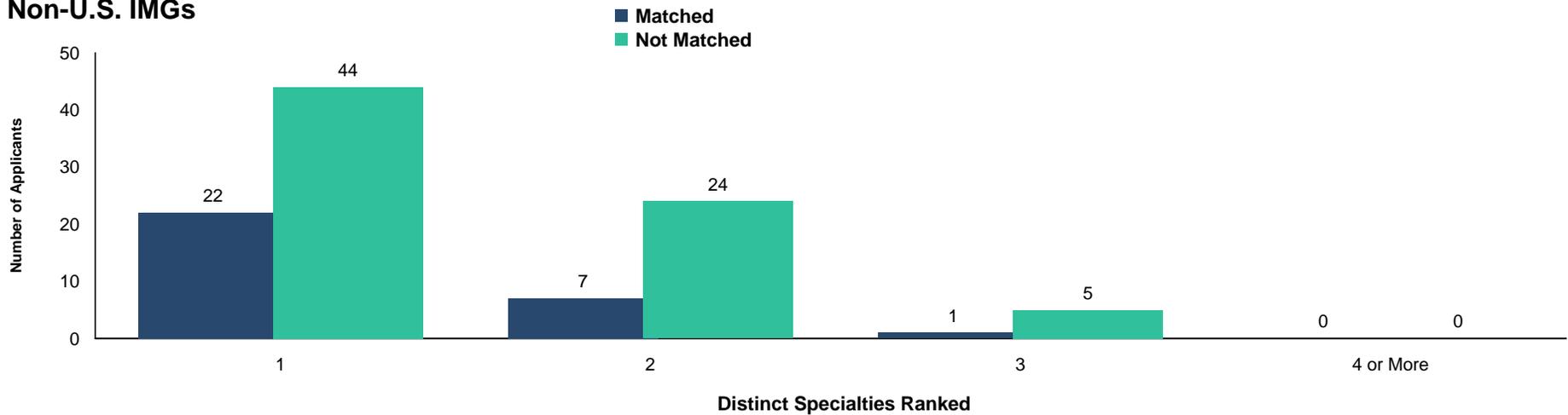
**Chart  
OB-1**

# Number of Distinct Specialties Ranked by International Medical Graduates Obstetrics and Gynecology

## U.S. IMGs



## Non-U.S. IMGs

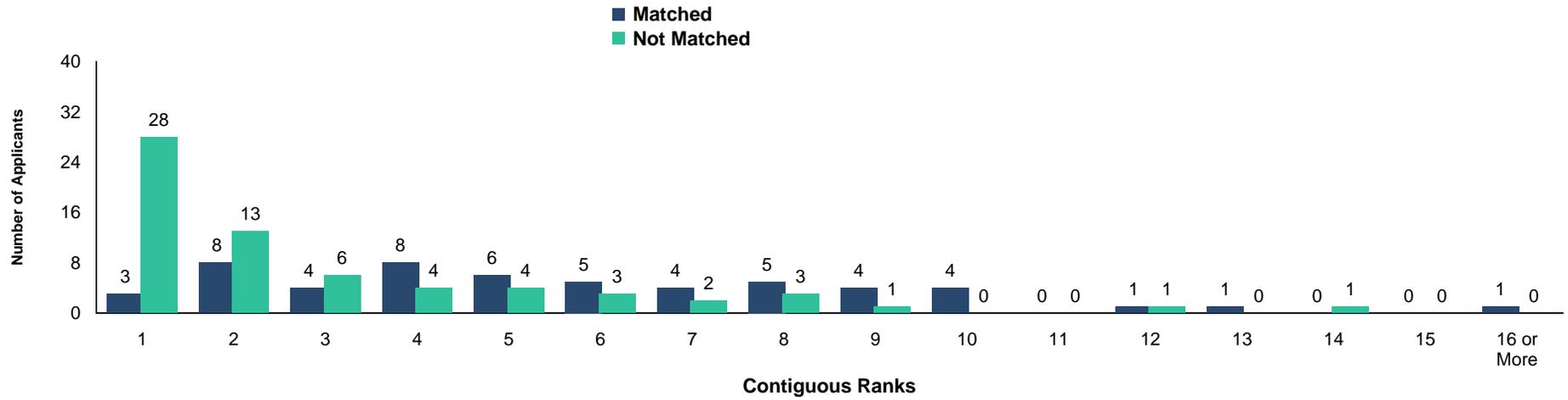


Source: NRMP Data Warehouse

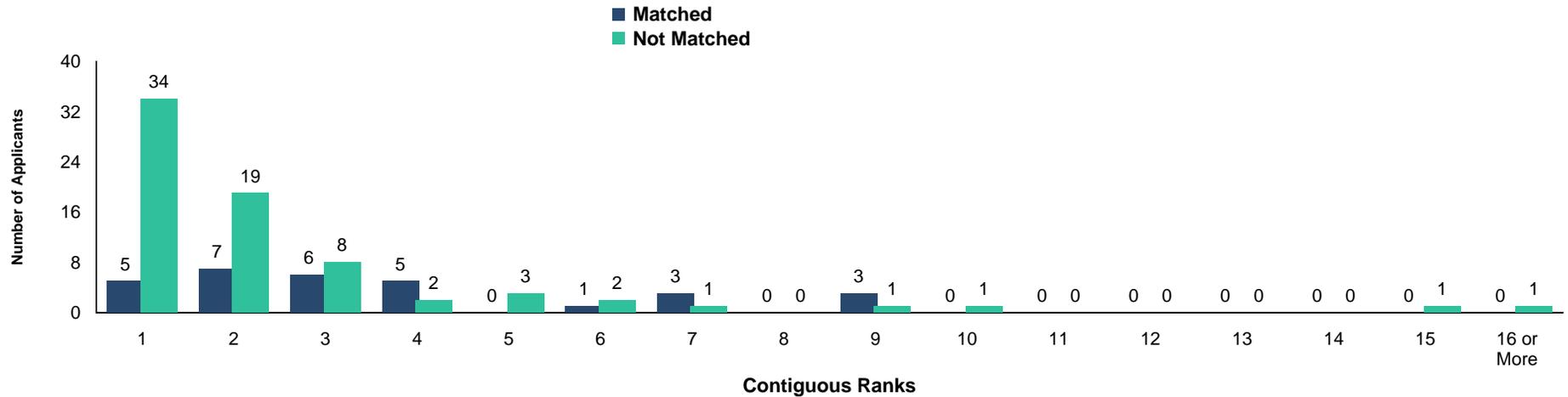
**Chart  
OB-2**

**Number of Contiguous Ranks of International Medical Graduates  
Obstetrics and Gynecology**

**U.S. IMGs**



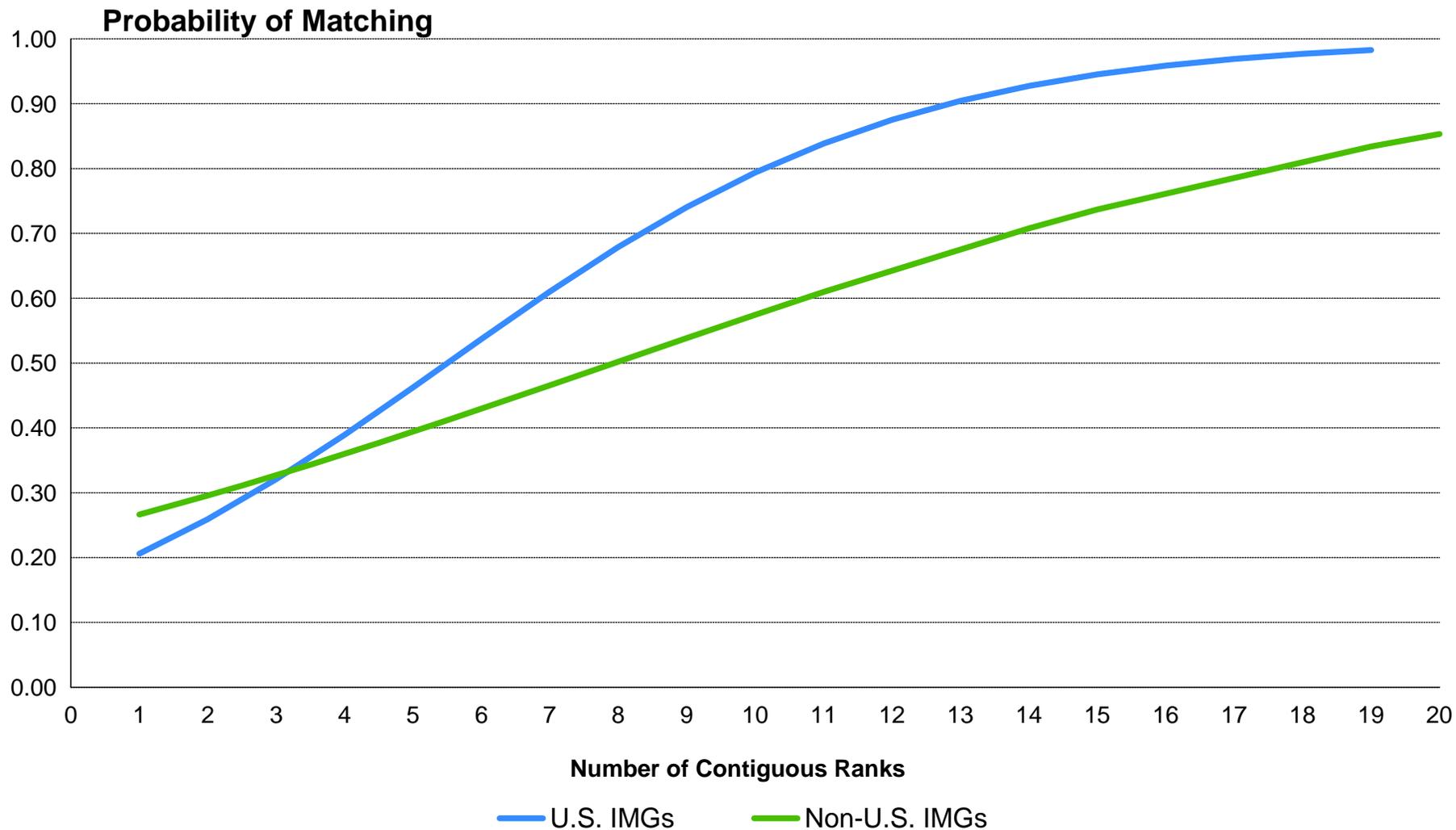
**Non-U.S. IMGs**



Source: NRMP Data Warehouse

**Graph  
OB-1**

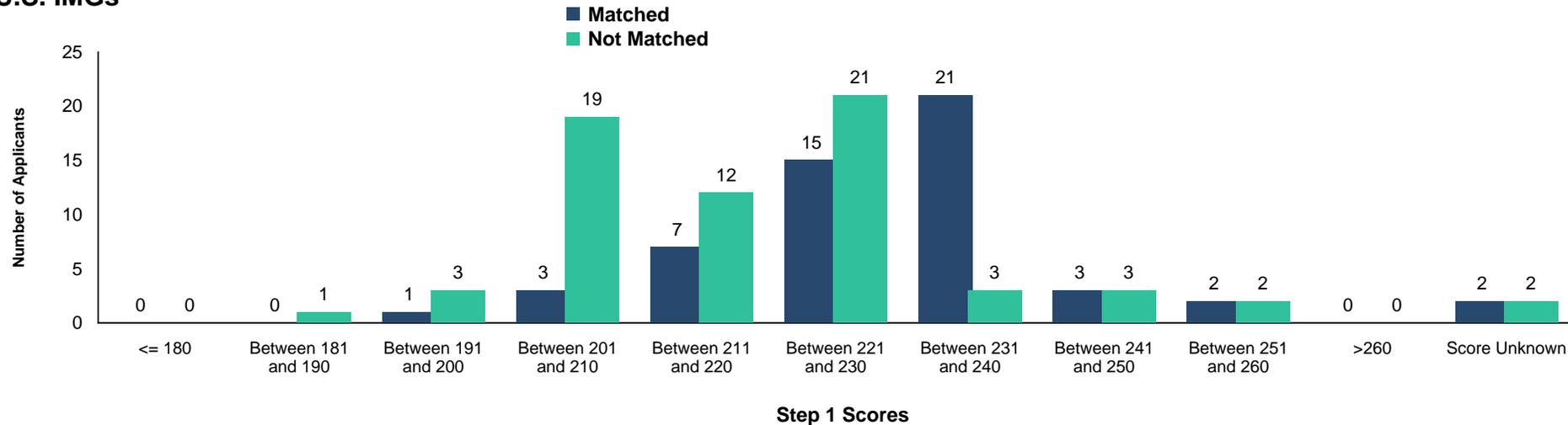
**Probability of International Medical Graduates Matching to Preferred Specialty by Number of Contiguous Ranks**  
*Obstetrics and Gynecology*



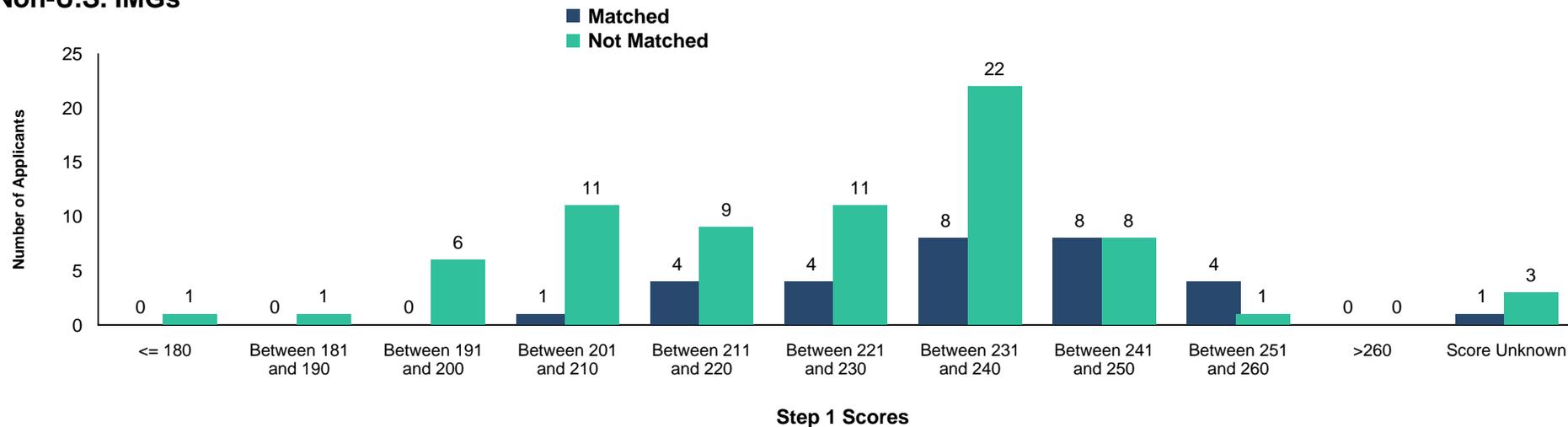
Source: NRMP Data Warehouse. Note: Probabilities calculated based on 2018-2020 applicants

# USMLE Step 1 Scores of International Medical Graduates *Obstetrics and Gynecology*

## U.S. IMGs



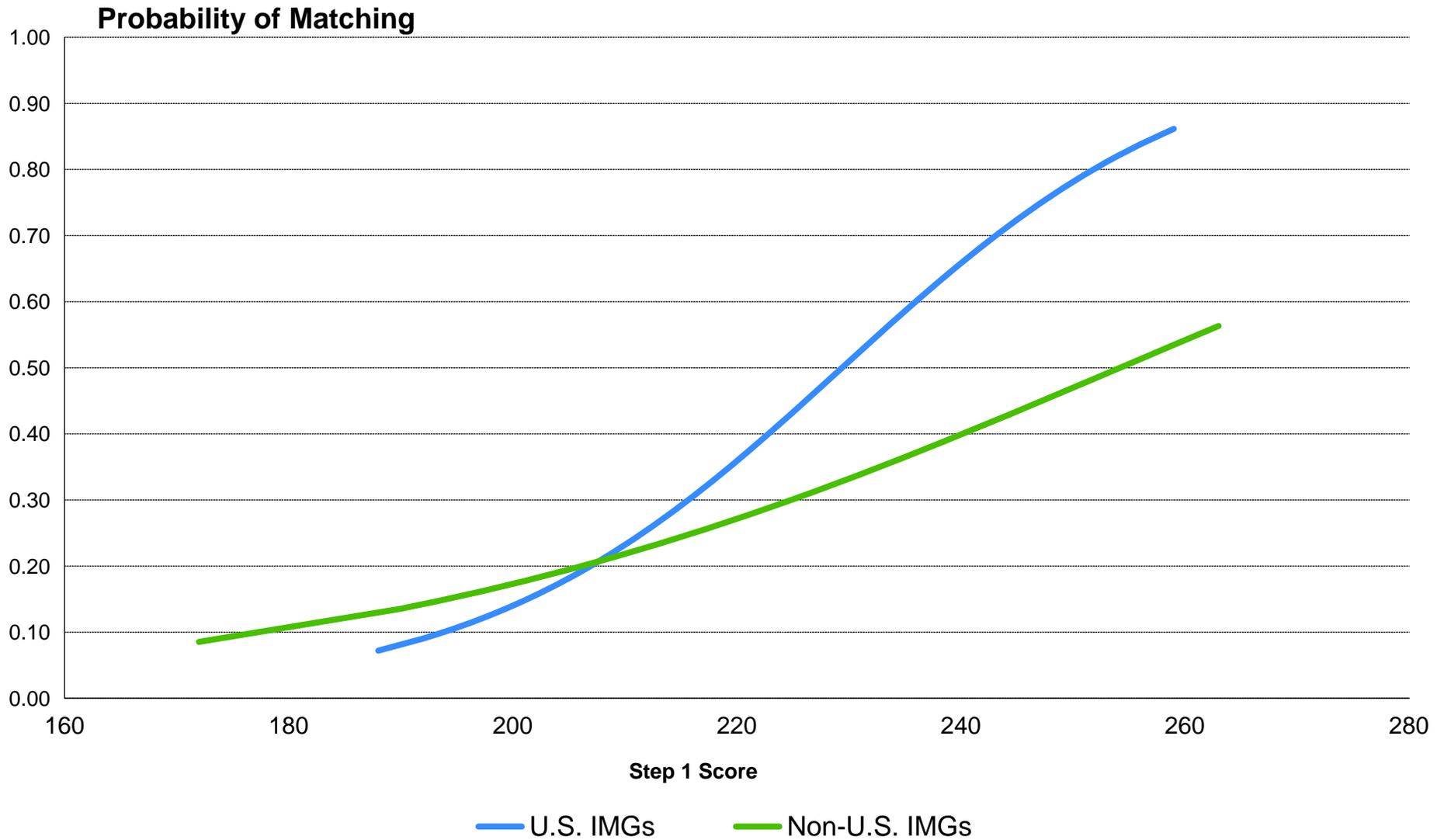
## Non-U.S. IMGs



Source: NRMP Data Warehouse

**Graph  
OB-2**

**Probability of International Medical Graduates Matching to Preferred Specialty by USMLE Step 1 Score**  
*Obstetrics and Gynecology*

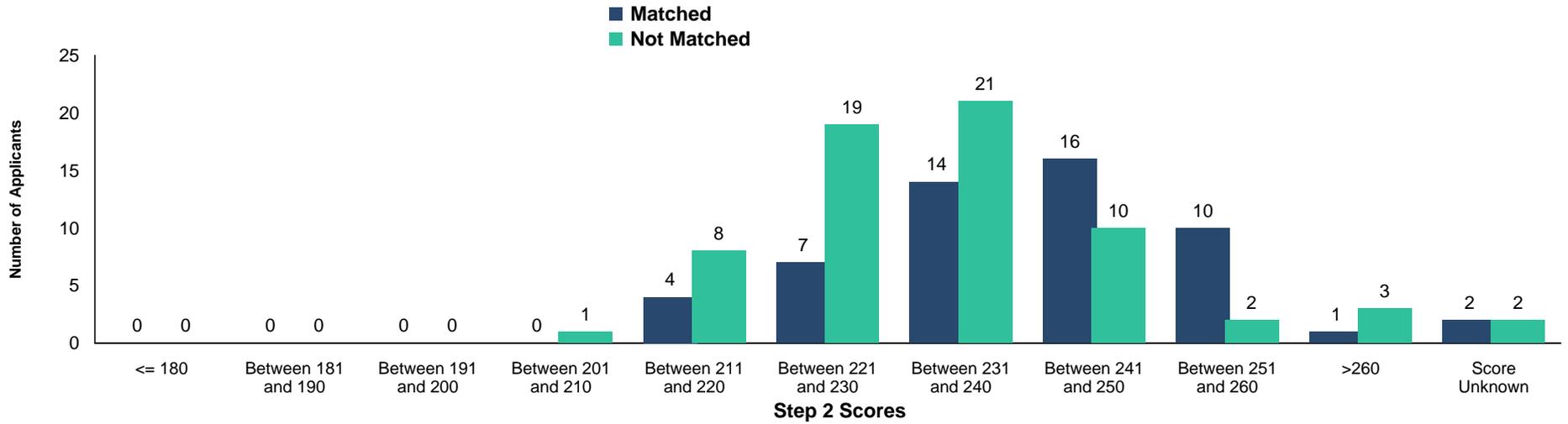


Source: NRMP Data Warehouse. Note: Probabilities calculated based on 2018-2020 applicants.

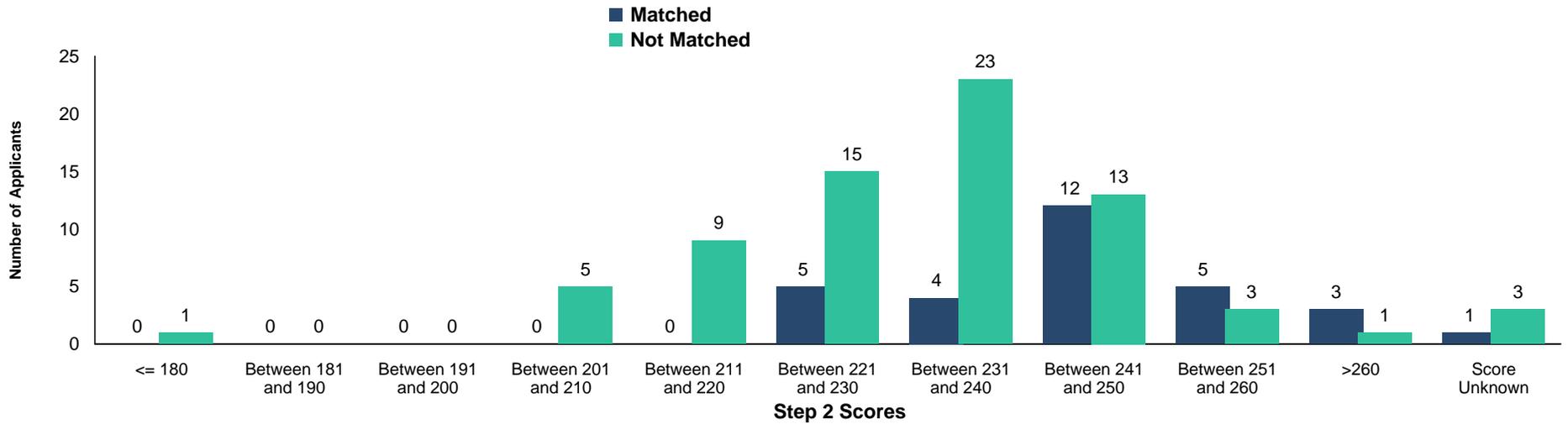
**Chart  
OB-4**

**USMLE Step 2 CK Scores of International Medical Graduates  
Obstetrics and Gynecology**

**U.S. IMGs**



**Non-U.S. IMGs**

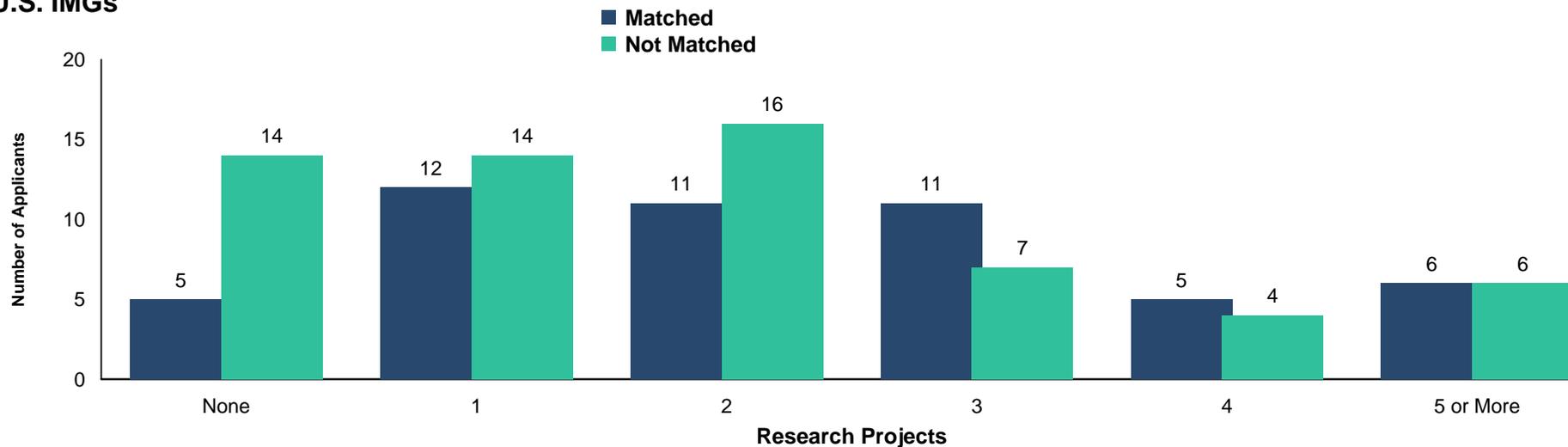


Source: NRMP Data Warehouse

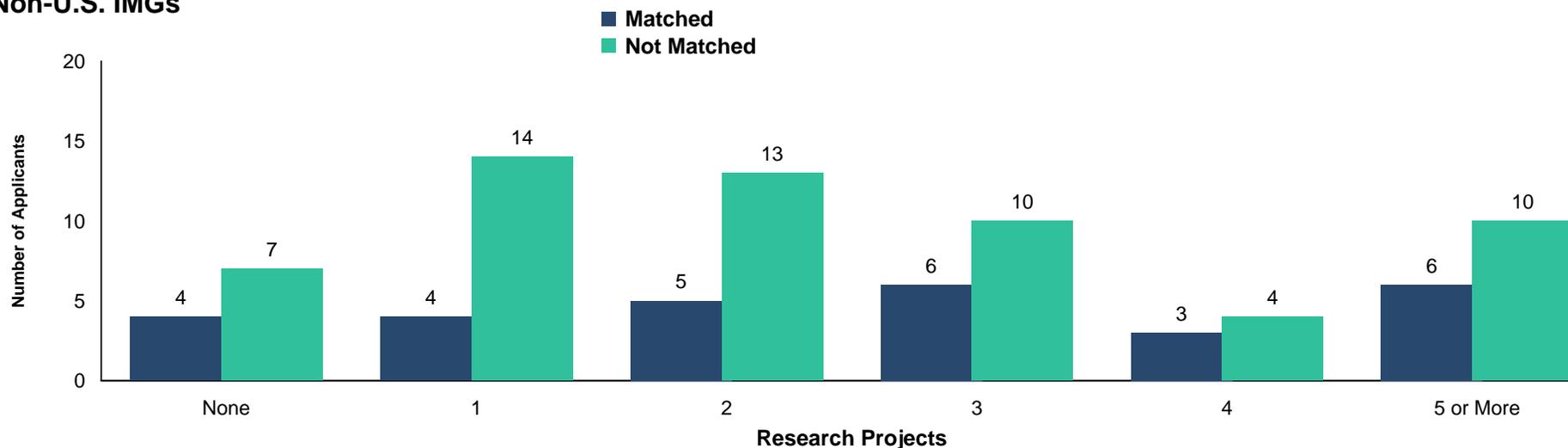
**Chart  
OB-5**

**Number of Research Projects of International Medical Graduates  
Obstetrics and Gynecology**

**U.S. IMGs**



**Non-U.S. IMGs**

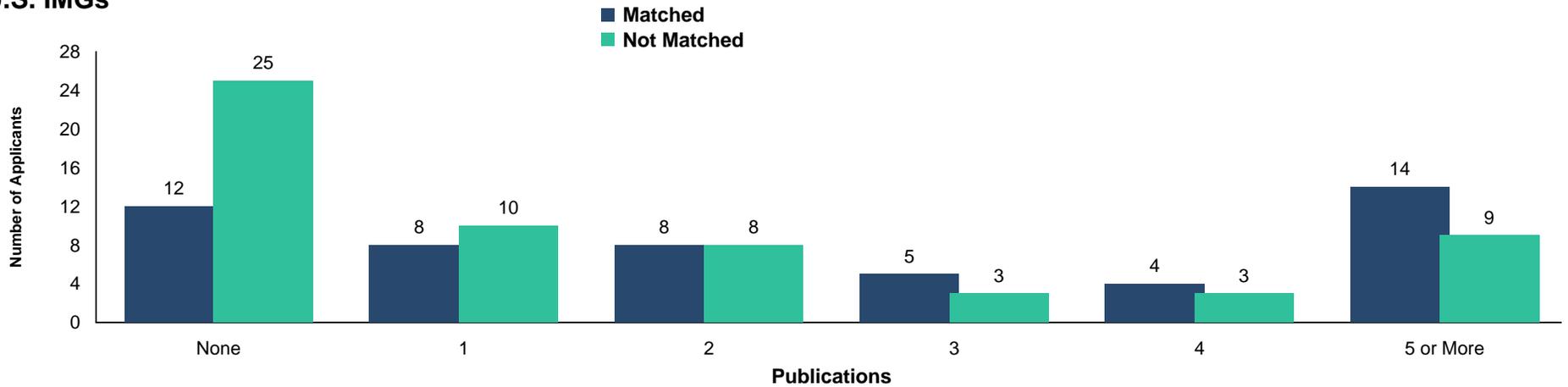


Source: NRMP Data Warehouse

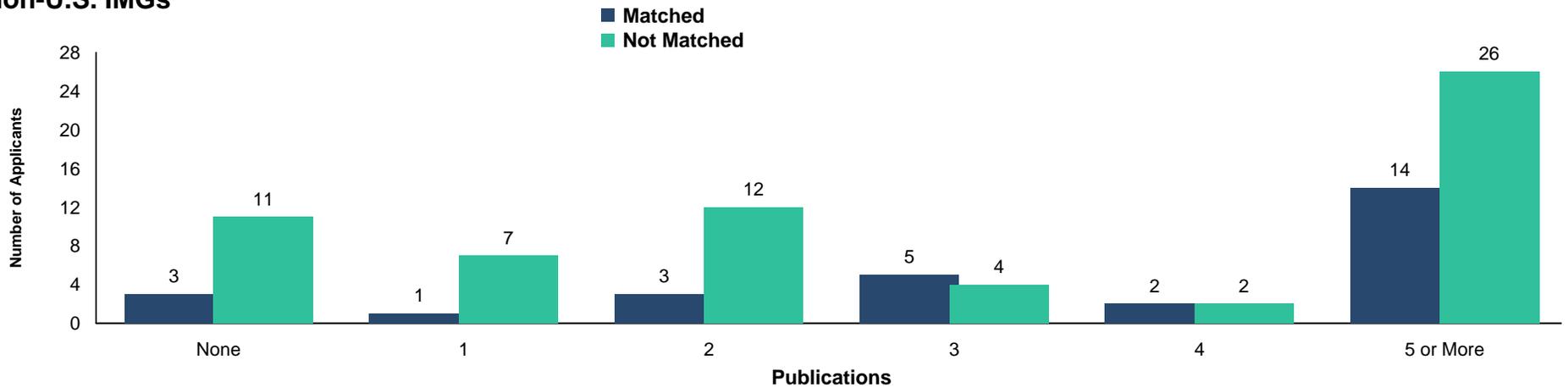
**Chart  
OB-6**

**Number of Abstracts, Presentations, and Publications of International Medical Graduates  
Obstetrics and Gynecology**

**U.S. IMGs**



**Non-U.S. IMGs**

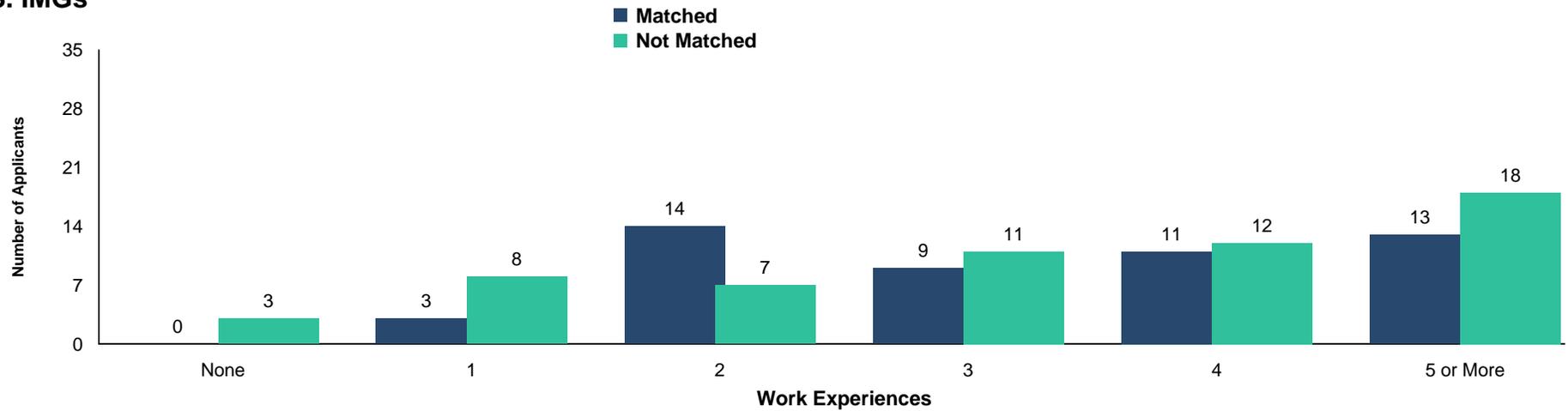


Source: NRMP Data Warehouse

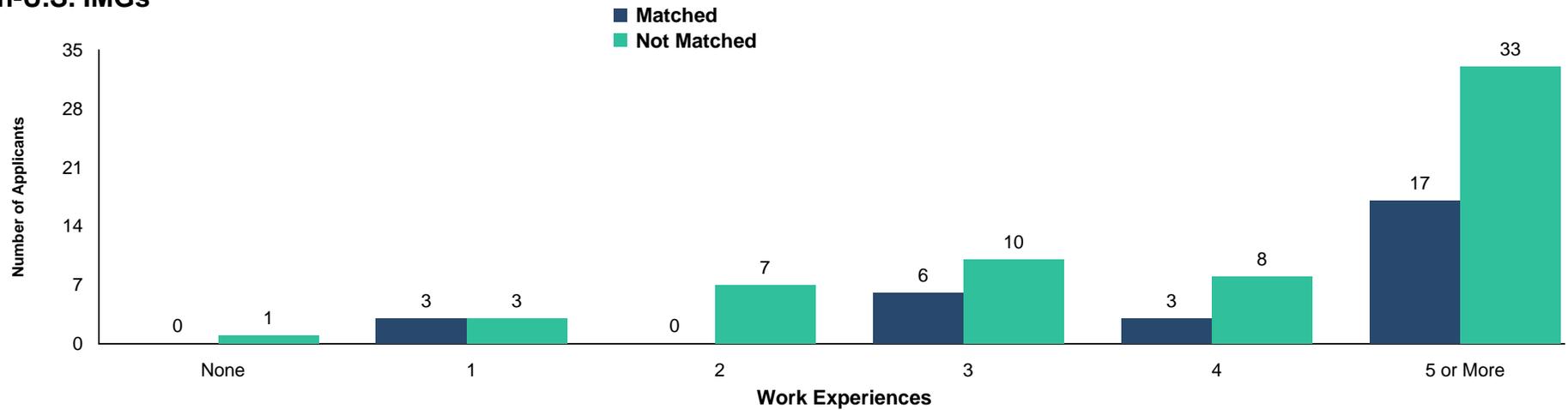
**Chart  
OB-7**

**Number of Work Experiences of International Medical Graduates  
Obstetrics and Gynecology**

**U.S. IMGs**



**Non-U.S. IMGs**

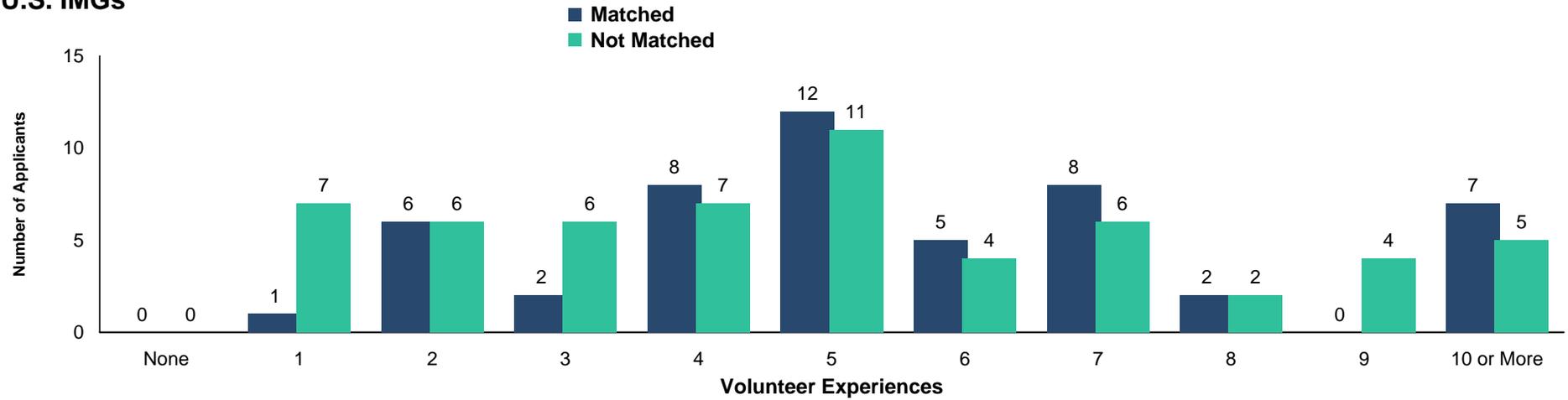


Source: NRMP Data Warehouse

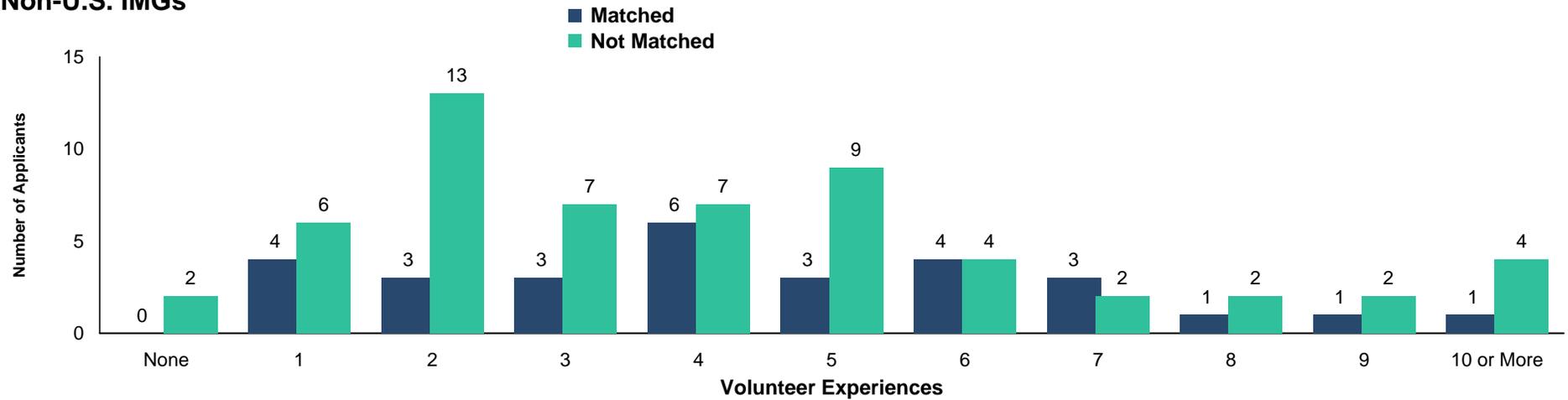
**Chart  
OB-8**

**Number of Volunteer Experiences of International Medical Graduates  
Obstetrics and Gynecology**

**U.S. IMGs**



**Non-U.S. IMGs**



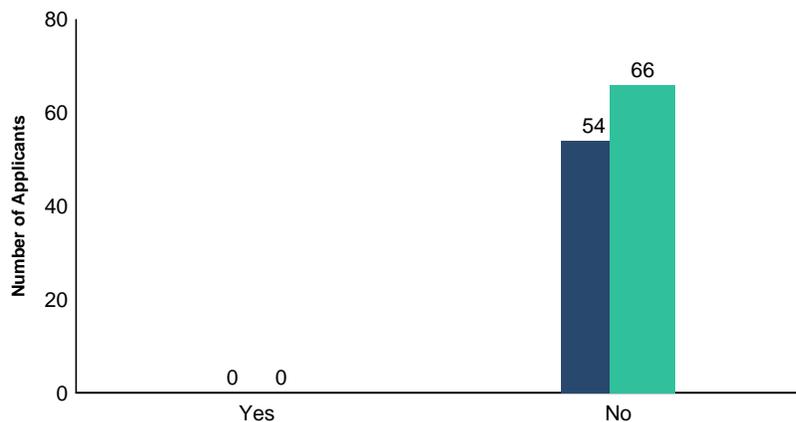
Source: NRMP Data Warehouse

**Chart  
OB-9**

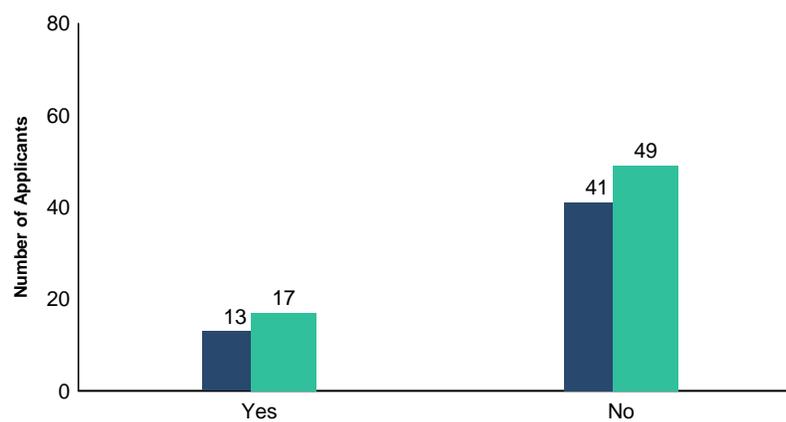
**Other Characteristics of International Medical Graduates  
Obstetrics and Gynecology**

**U.S. IMGs**

**Ph.D. Degree**

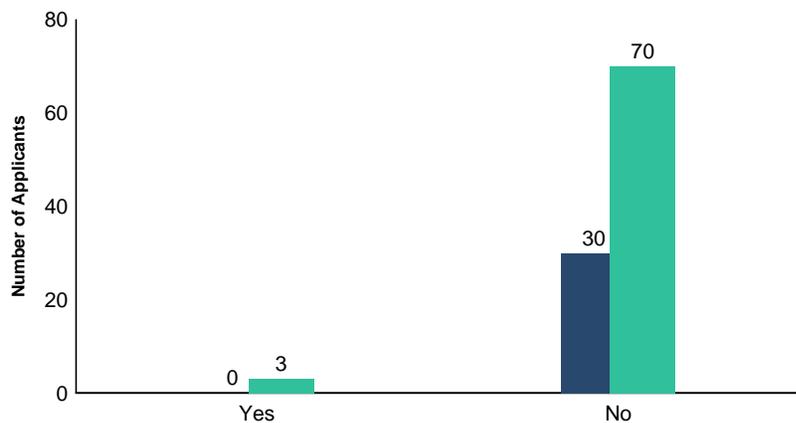


**Other Graduate Degree**

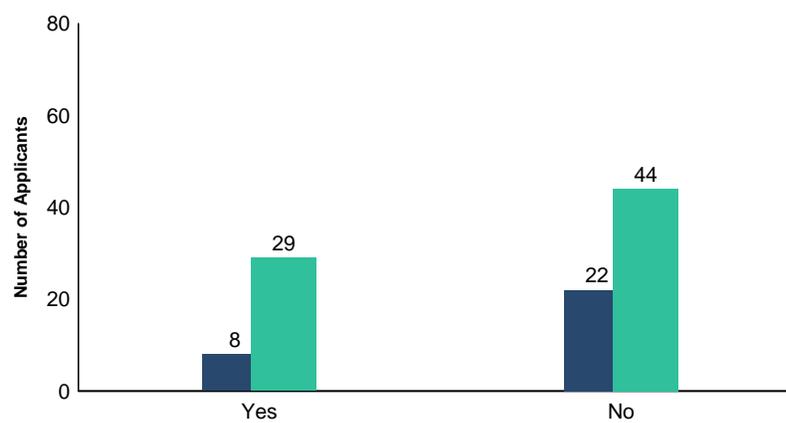


**Non-U.S. IMGs**

**Ph.D. Degree**



**Other Graduate Degree**



Source: NRMP Data Warehouse

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**ORS** Orthopaedic Surgery

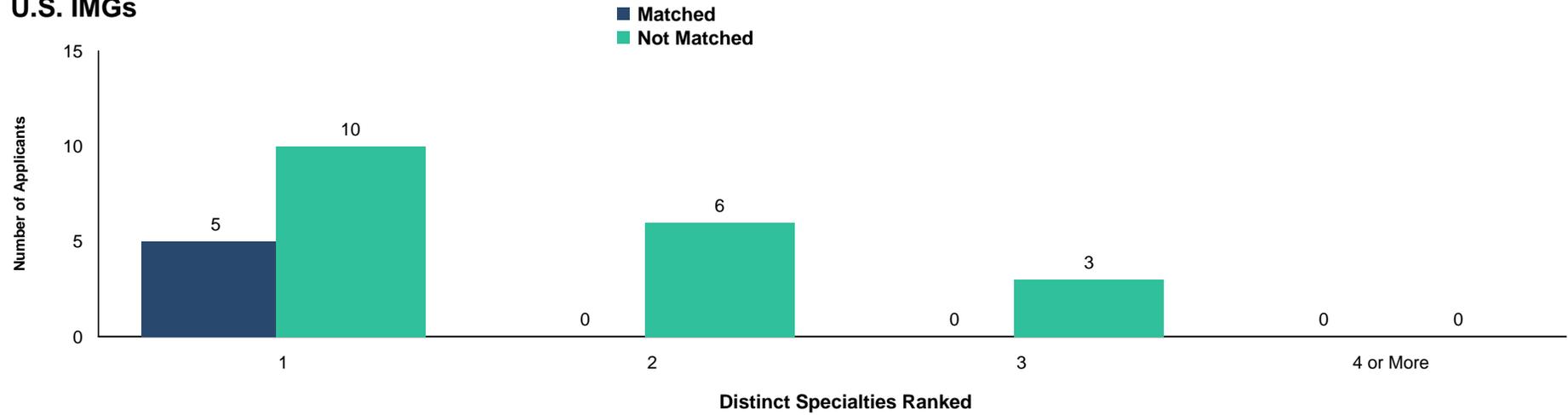
**Table** **Summary Statistics**  
**ORS-1** *Orthopaedic Surgery*

Measure	U.S. IMGs		Non-U.S. IMGs	
	Matched (n=5)	Unmatched (n=19)	Matched (n=5)	Unmatched (n=15)
1. Mean number of contiguous ranks	7.2	1.9	3.0	2.9
2. Mean number of distinct specialties ranked	1.0	1.6	1.6	1.3
3. Mean USMLE Step 1 score	241	236	249	238
4. Mean USMLE Step 2 score	242	242	255	248
5. Mean number of research experiences	3.0	5.0	14.8	5.5
6. Mean number of abstracts, presentations, and publications	58.4	28.2	43.3	11.3
7. Mean number of work experiences	4.6	4.9	5.0	4.6
8. Mean number of volunteer experiences	4.6	4.3	5.8	3.1
9. Percentage who have a Ph.D. degree	0.0	0.0	0.0	13.3
10. Percentage who have another graduate degree	20.0	27.8	40.0	53.3

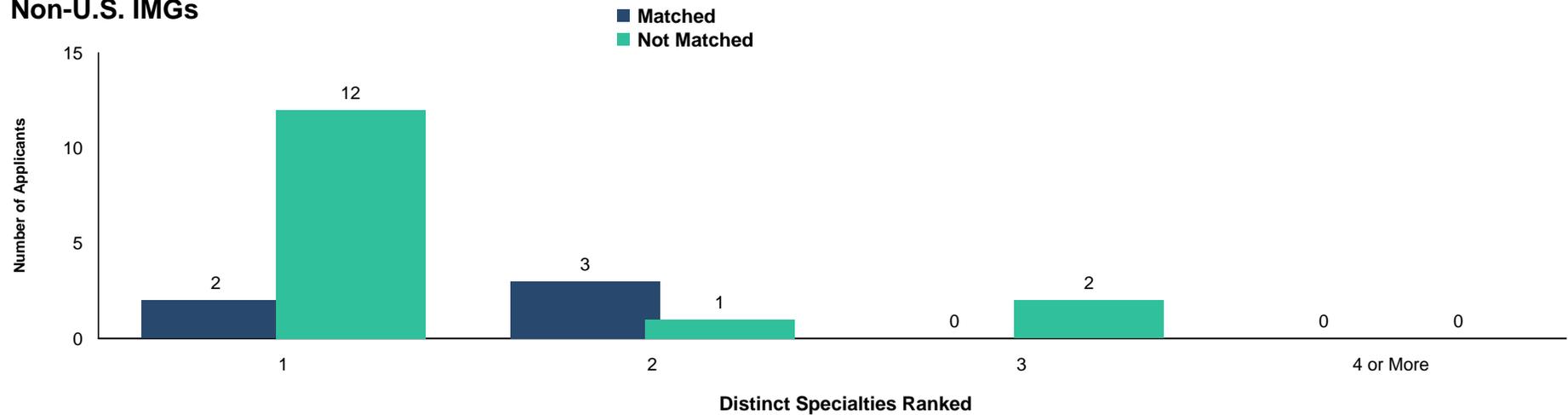
Note: Only applicants who gave consent to use their information in research are included.  
Source: NRMP Data Warehouse

# Number of Distinct Specialties Ranked by International Medical Graduates Orthopaedic Surgery

## U.S. IMGs



## Non-U.S. IMGs

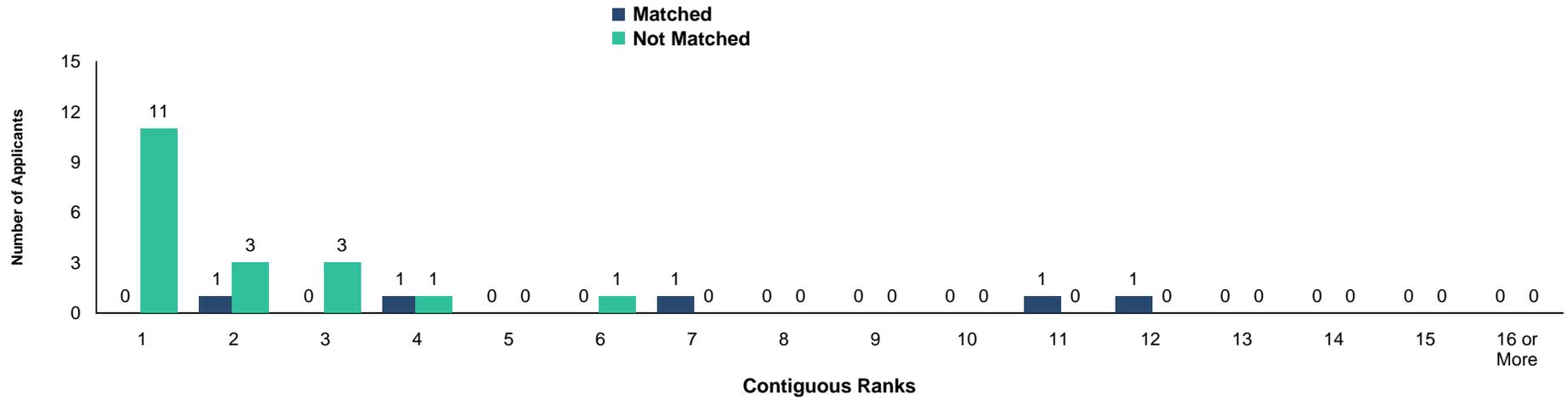


Source: NRMP Data Warehouse

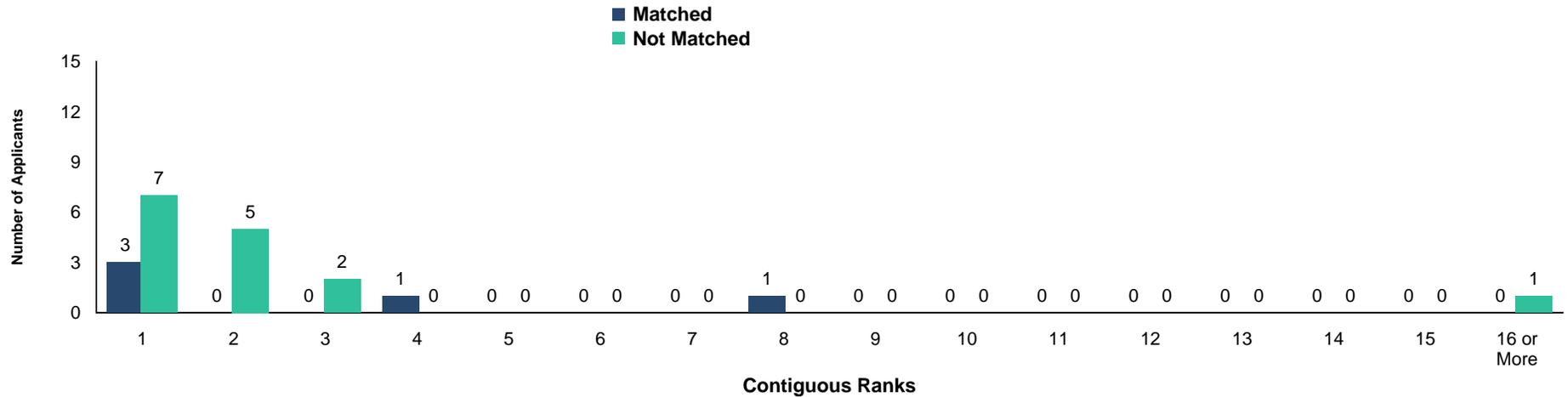
**Chart  
ORS-2**

**Number of Contiguous Ranks of International Medical Graduates  
Orthopaedic Surgery**

**U.S. IMGs**

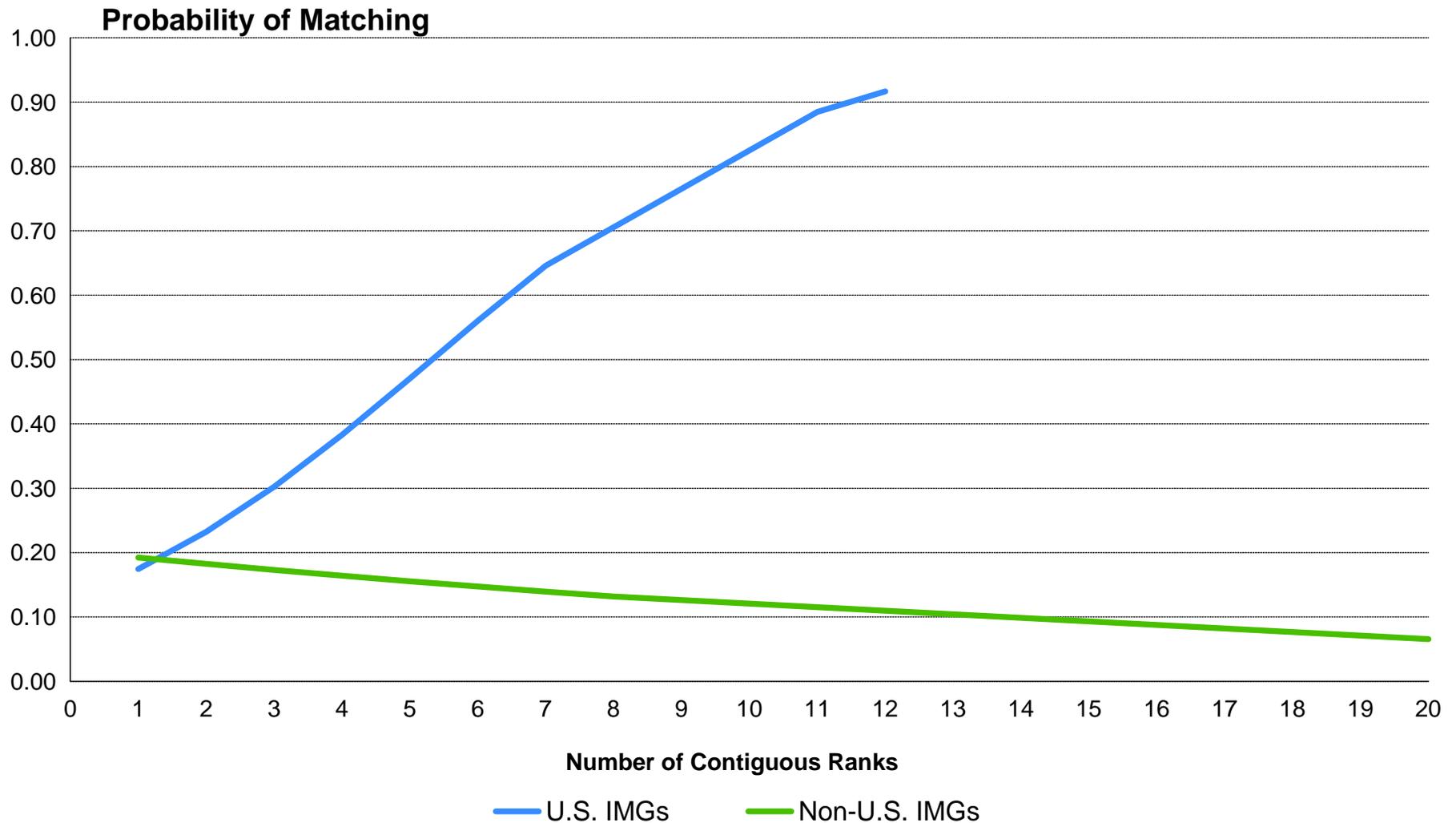


**Non-U.S. IMGs**



Source: NRMP Data Warehouse

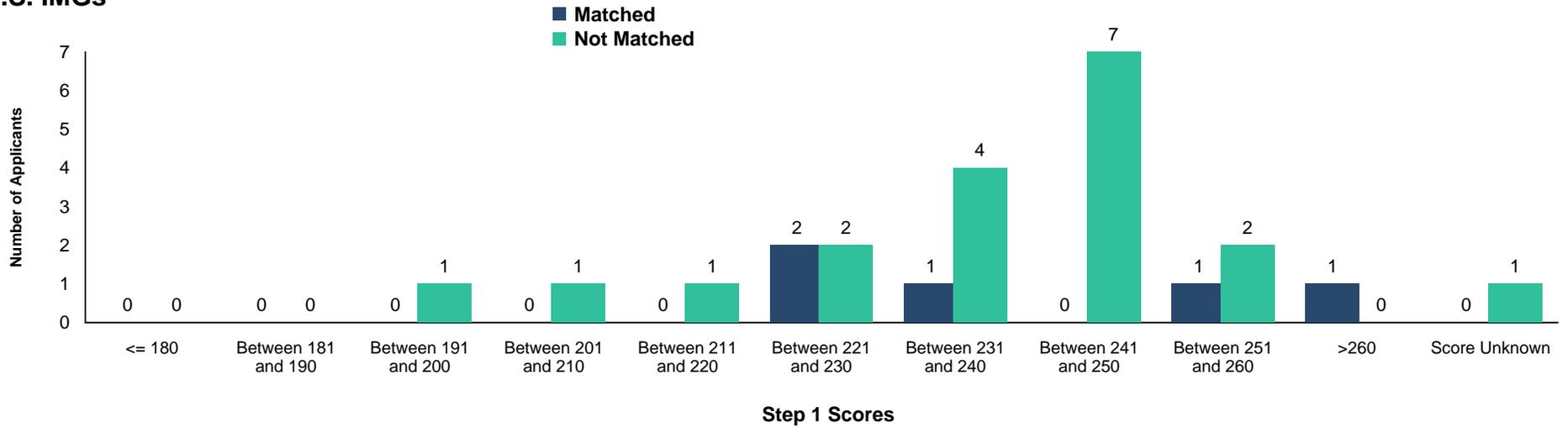
**Probability of International Medical Graduates Matching to Preferred Specialty by Number of Contiguous Ranks**  
*Orthopaedic Surgery*



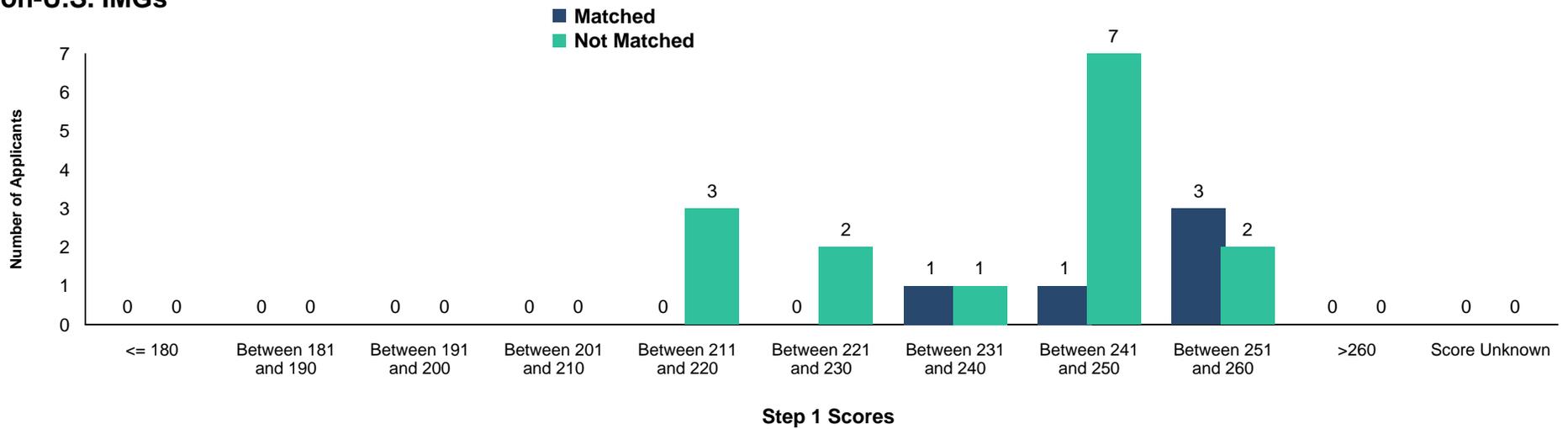
Source: NRMP Data Warehouse. Note: Probabilities calculated based on 2018-2020 applicants

# USMLE Step 1 Scores of International Medical Graduates *Orthopaedic Surgery*

## U.S. IMGs



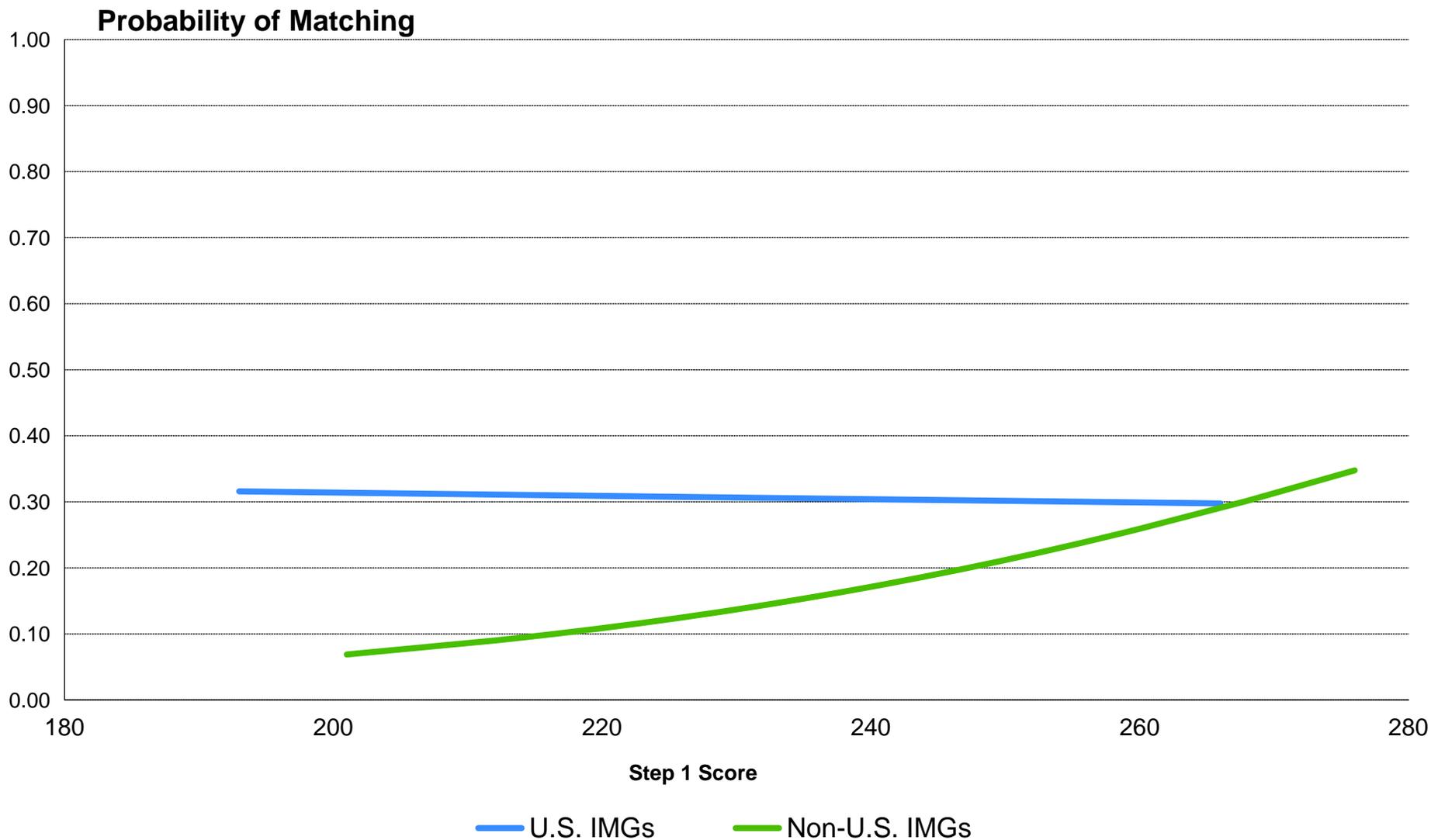
## Non-U.S. IMGs



Source: NRMP Data Warehouse

# Probability of International Medical Graduates Matching to Preferred Specialty by USMLE Step 1 Score

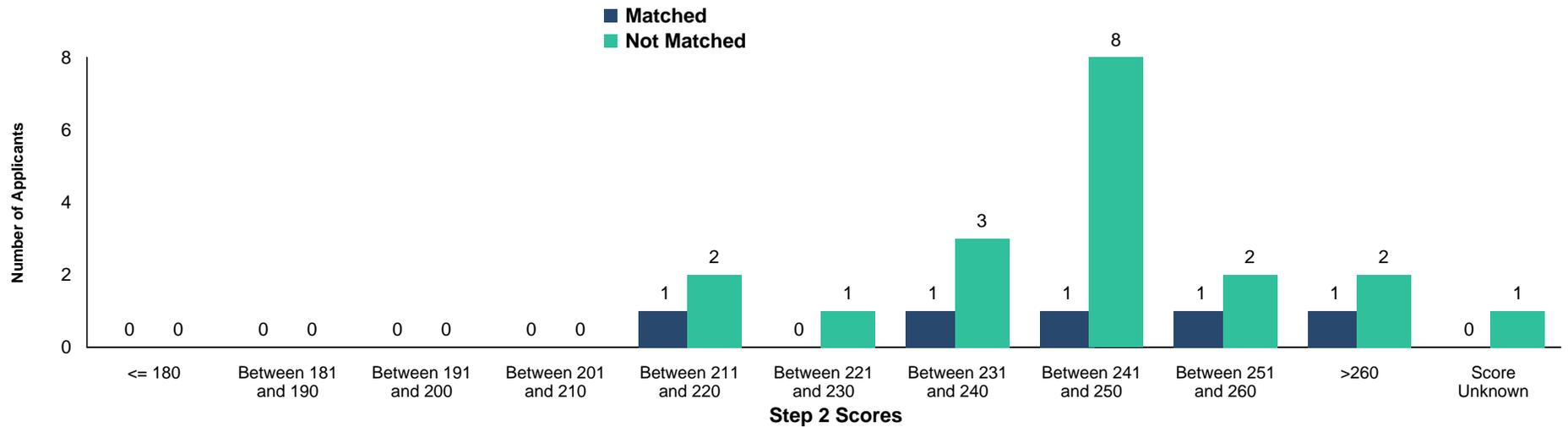
## Orthopaedic Surgery



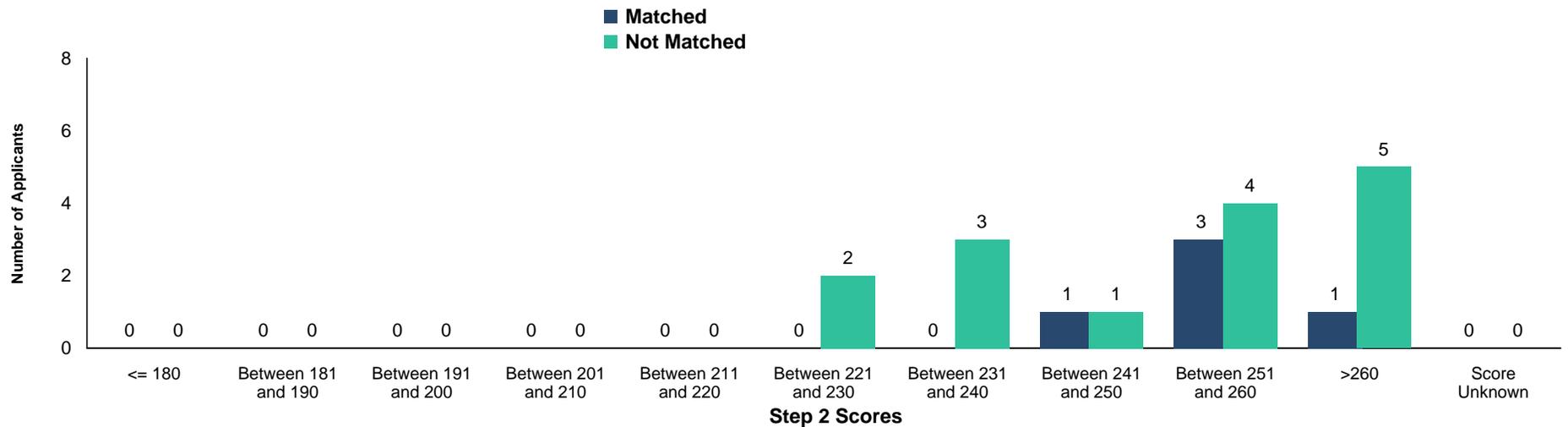
Source: NRMP Data Warehouse. Note: Probabilities calculated based on 2018-2020 applicants.

# USMLE Step 2 CK Scores of International Medical Graduates *Orthopaedic Surgery*

## U.S. IMGs



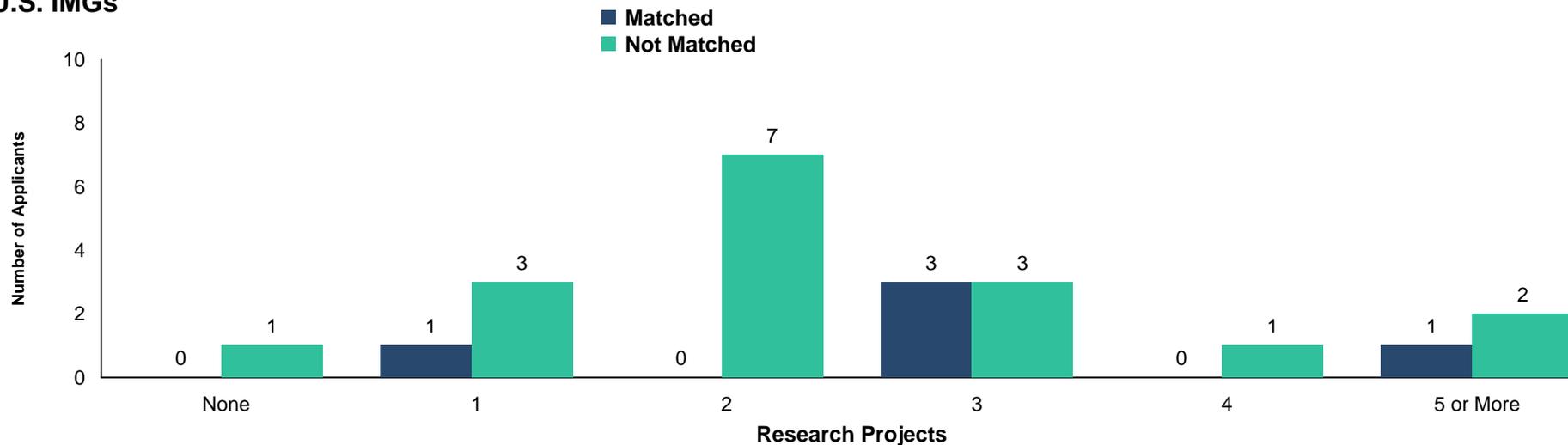
## Non-U.S. IMGs



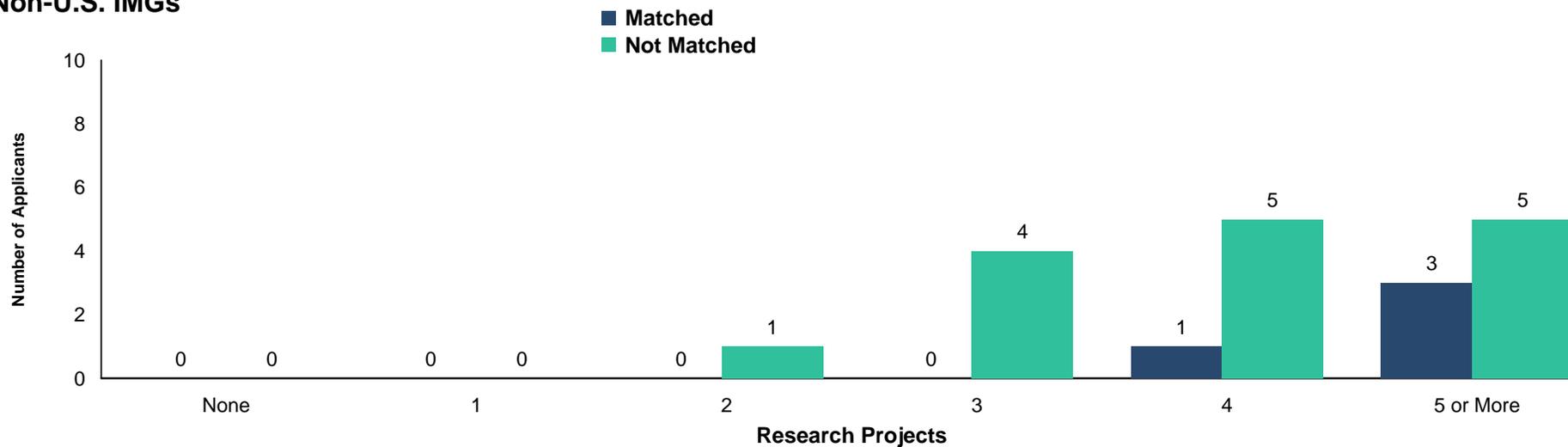
Source: NRMP Data Warehouse

## Number of Research Projects of International Medical Graduates *Orthopaedic Surgery*

### U.S. IMGs



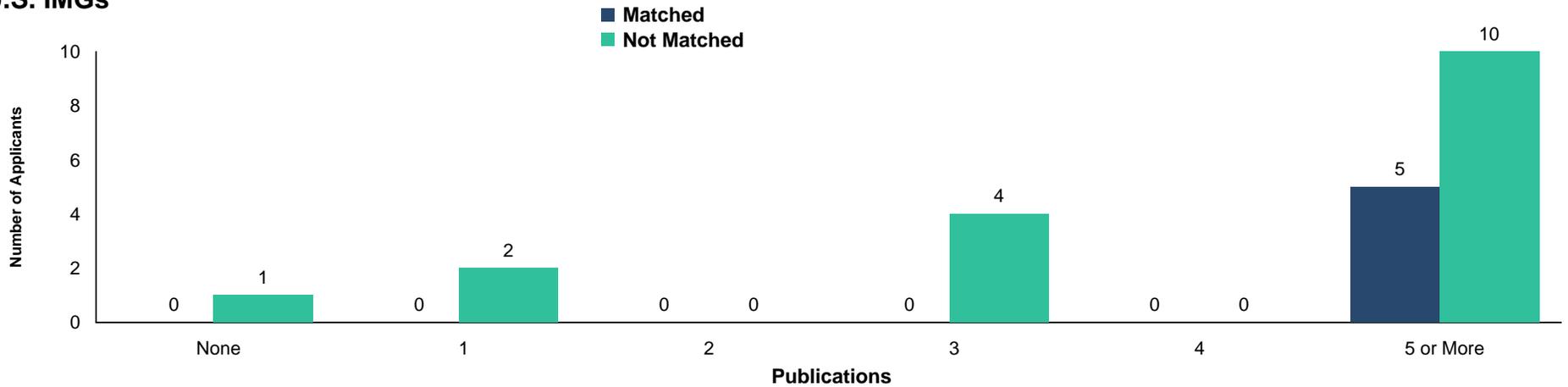
### Non-U.S. IMGs



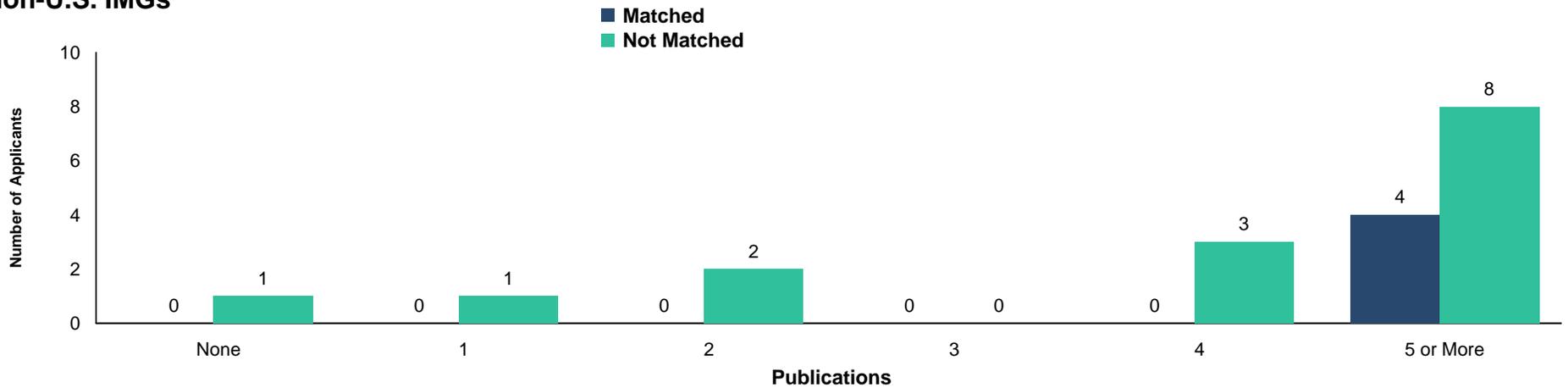
Source: NRMP Data Warehouse

**Number of Abstracts, Presentations, and Publications of International Medical Graduates  
*Orthopaedic Surgery***

**U.S. IMGs**



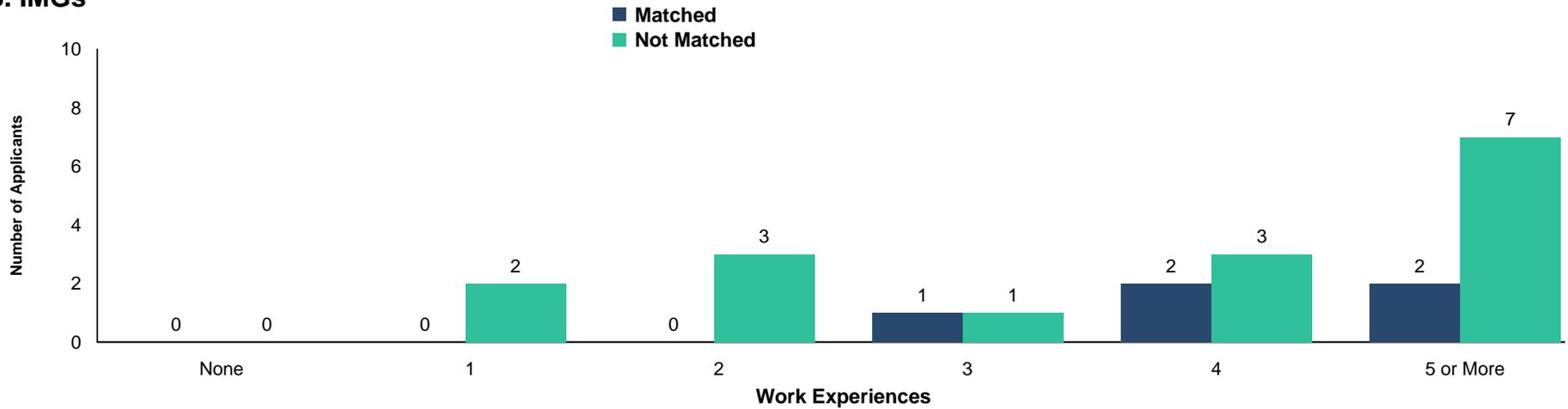
**Non-U.S. IMGs**



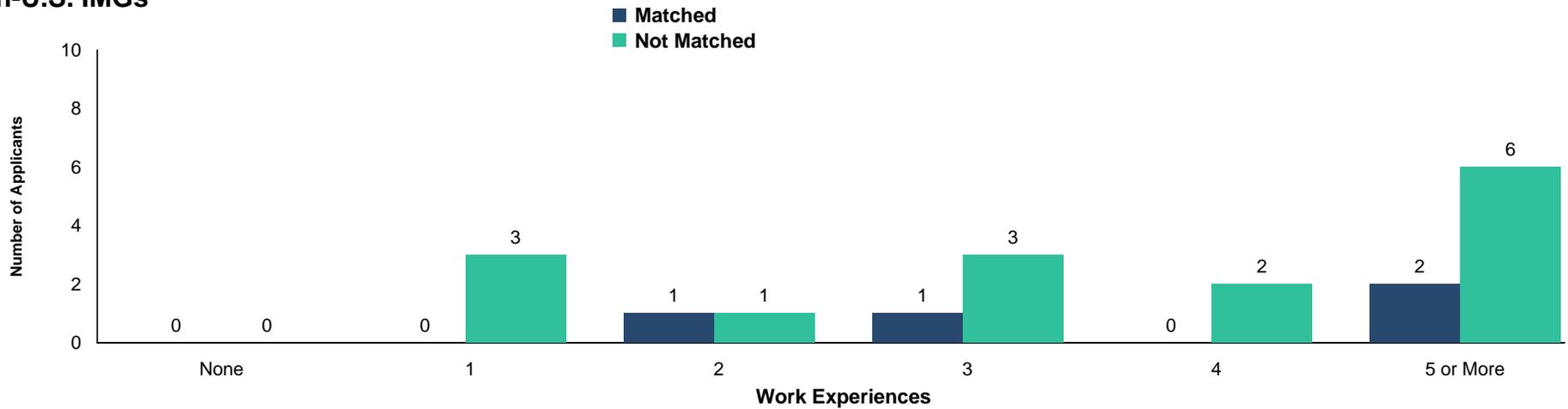
Source: NRMP Data Warehouse

# Number of Work Experiences of International Medical Graduates *Orthopaedic Surgery*

## U.S. IMGs



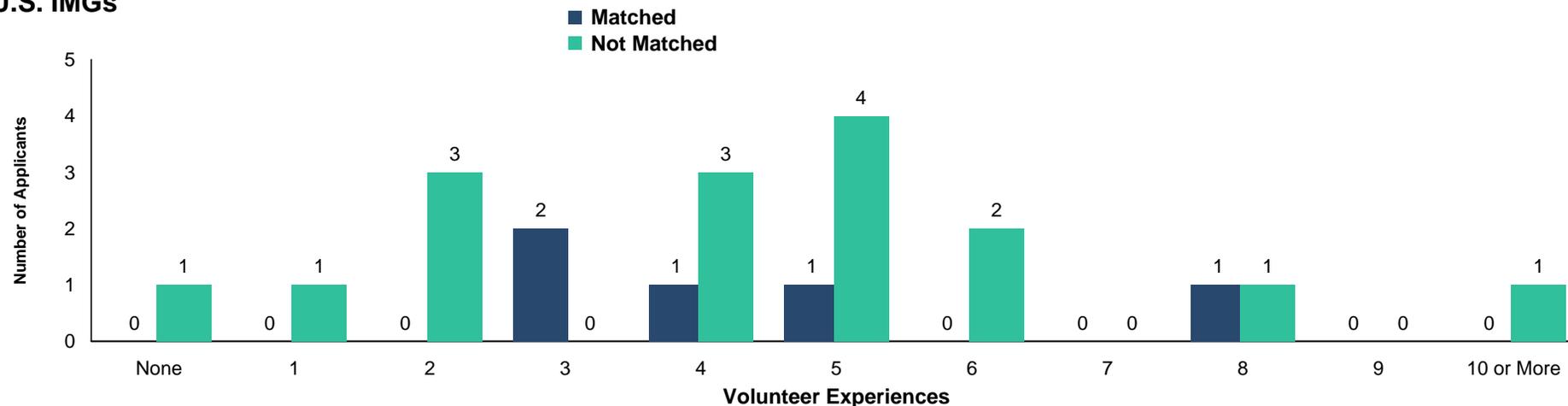
## Non-U.S. IMGs



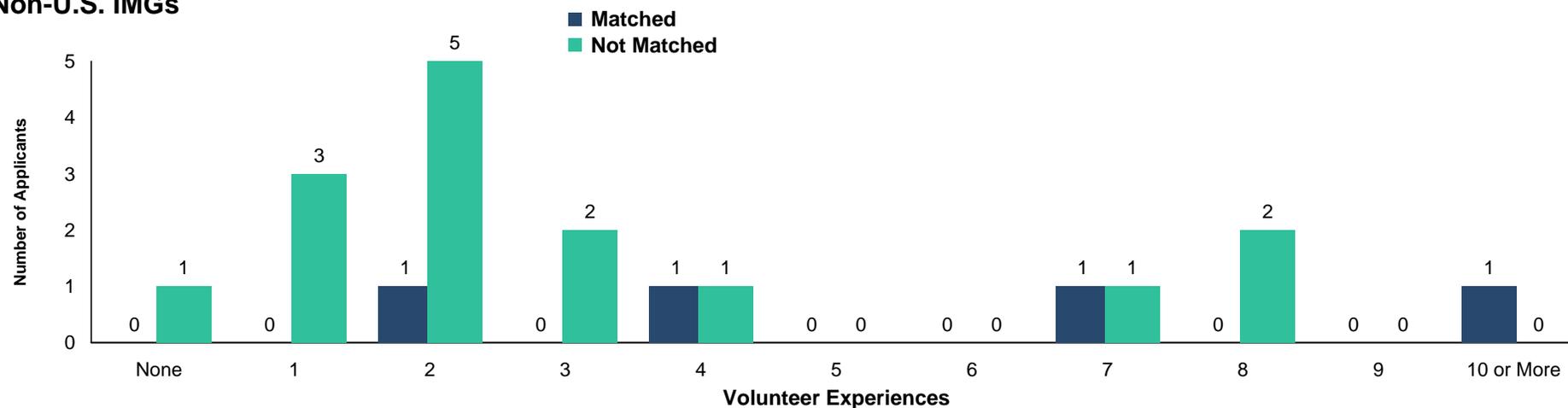
Source: NRMP Data Warehouse

# Number of Volunteer Experiences of International Medical Graduates *Orthopaedic Surgery*

## U.S. IMGs



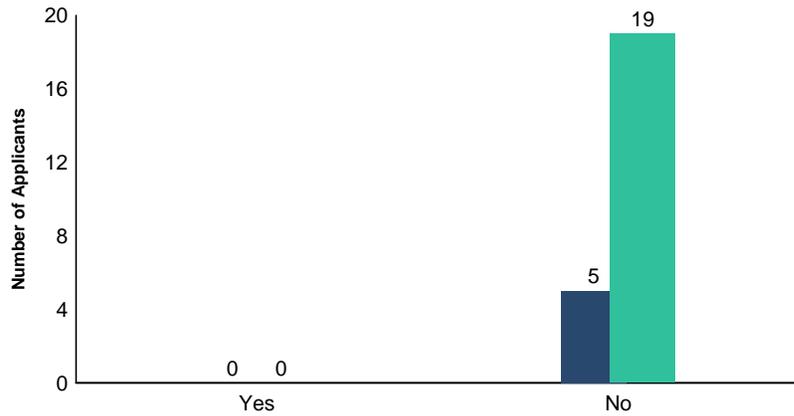
## Non-U.S. IMGs



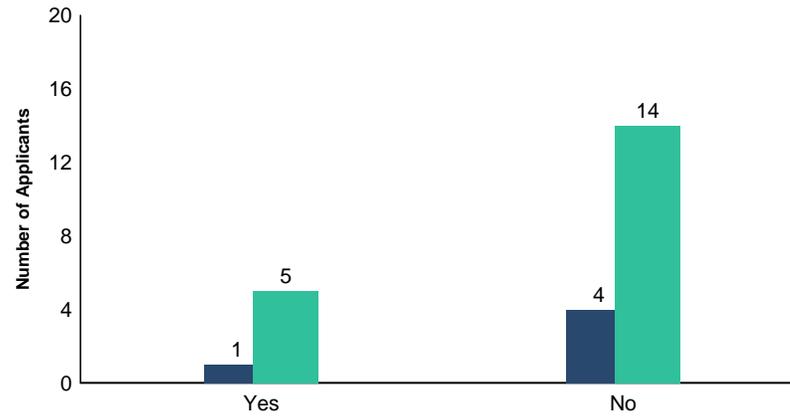
Source: NRMP Data Warehouse

**U.S. IMGs**

**Ph.D. Degree**

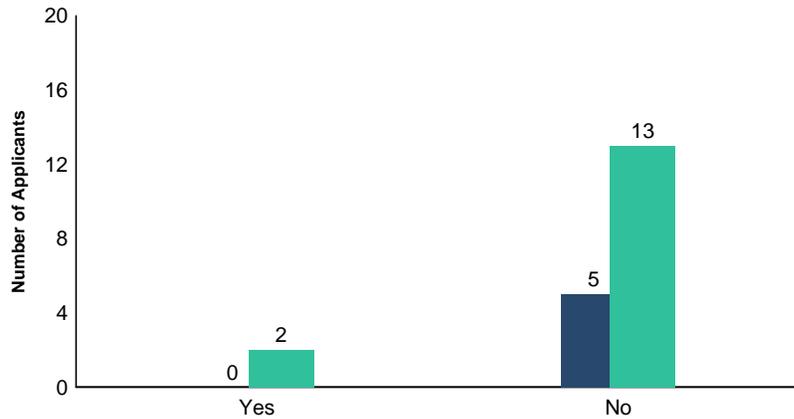


**Other Graduate Degree**

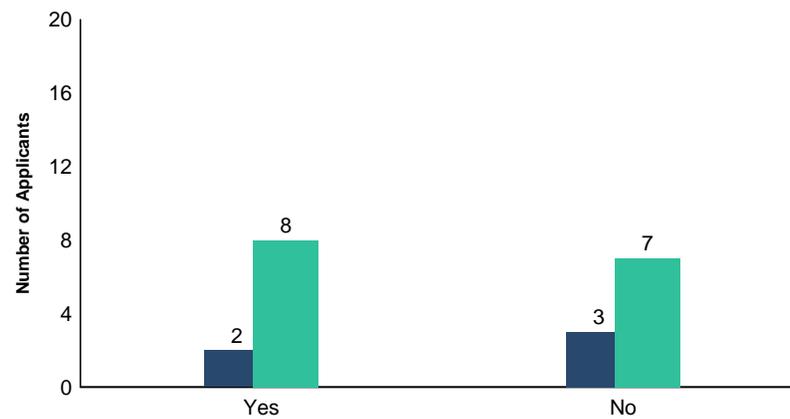


**Non-U.S. IMGs**

**Ph.D. Degree**



**Other Graduate Degree**



Source: NRMP Data Warehouse

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**PTH** Pathology

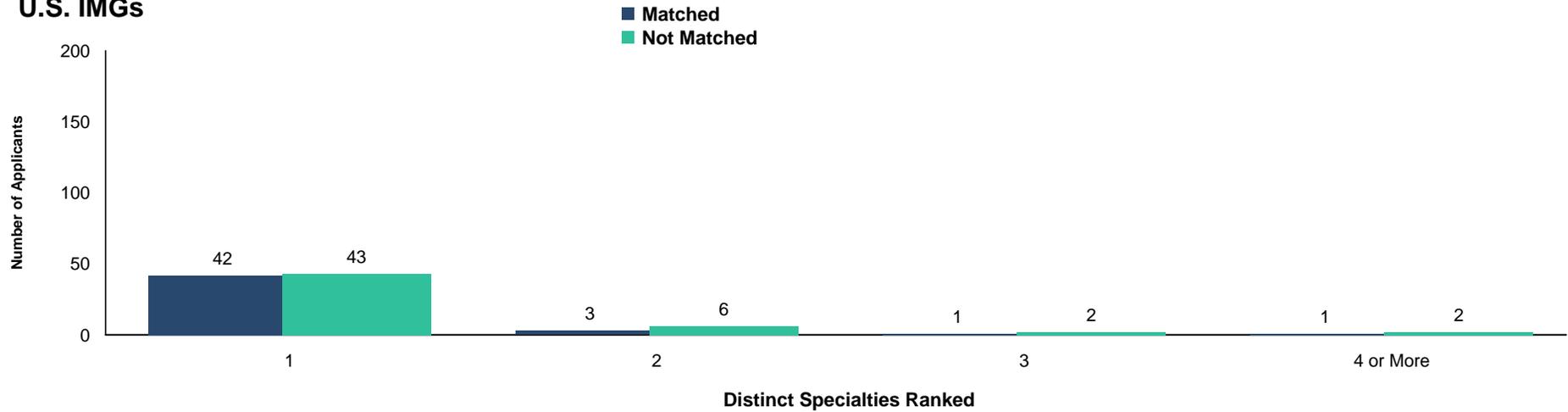
**Table** **Summary Statistics**  
**PTH-1** *Pathology*

Measure	U.S. IMGs		Non-U.S. IMGs	
	Matched (n=47)	Unmatched (n=53)	Matched (n=192)	Unmatched (n=81)
1. Mean number of contiguous ranks	8.4	2.6	8.6	2.7
2. Mean number of distinct specialties ranked	1.2	1.3	1.1	1.2
3. Mean USMLE Step 1 score	223	211	229	220
4. Mean USMLE Step 2 score	232	220	233	227
5. Mean number of research experiences	2.5	3.4	3.2	7.3
6. Mean number of abstracts, presentations, and publications	6.9	8.5	10.0	10.3
7. Mean number of work experiences	5.5	5.5	6.0	6.2
8. Mean number of volunteer experiences	3.5	3.6	2.7	4.3
9. Percentage who have a Ph.D. degree	19.6	8.3	14.8	9.9
10. Percentage who have another graduate degree	24.4	36.7	36.6	36.6

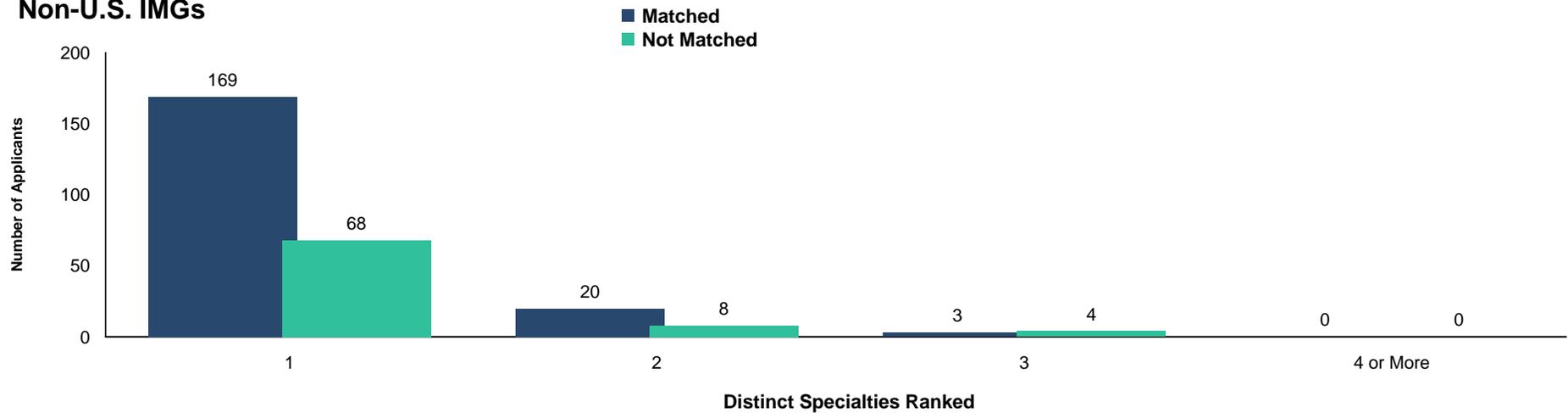
Note: Only applicants who gave consent to use their information in research are included.  
Source: NRMP Data Warehouse

# Number of Distinct Specialties Ranked by International Medical Graduates Pathology

## U.S. IMGs



## Non-U.S. IMGs

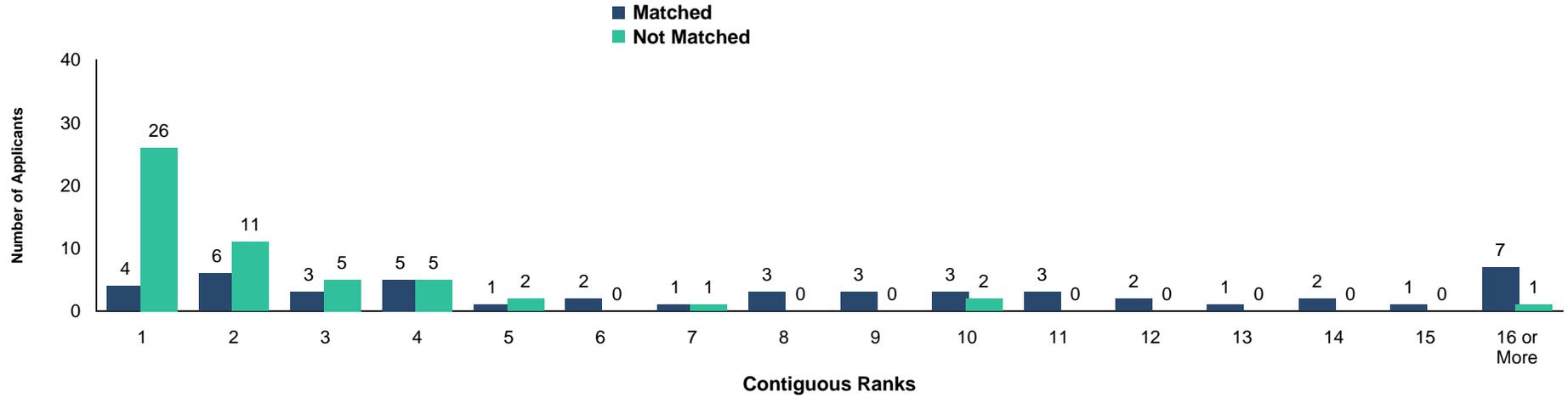


Source: NRMP Data Warehouse

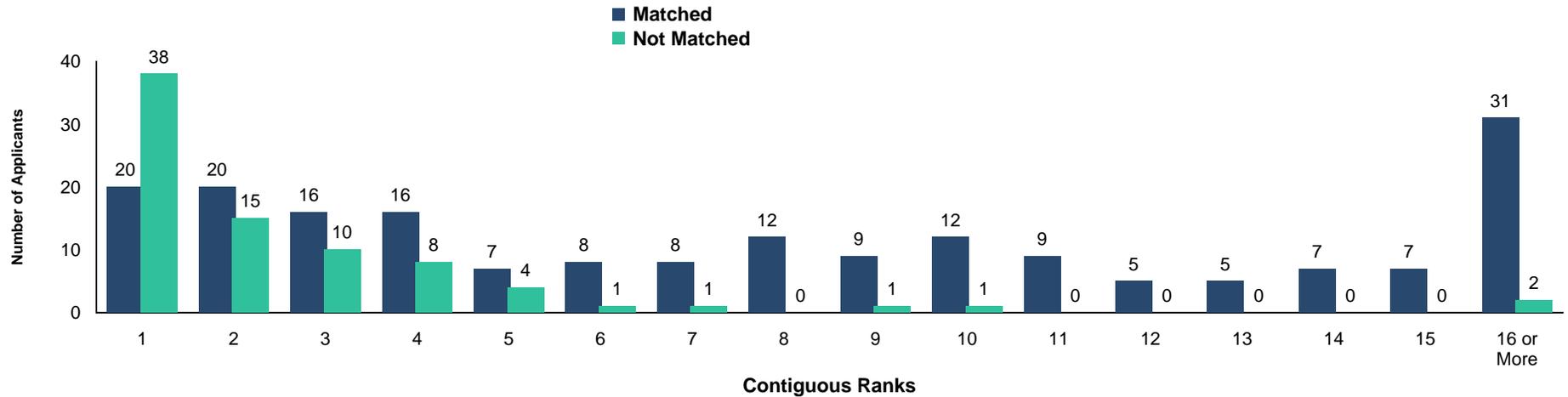
**Chart  
PTH-2**

**Number of Contiguous Ranks of International Medical Graduates  
Pathology**

**U.S. IMGs**

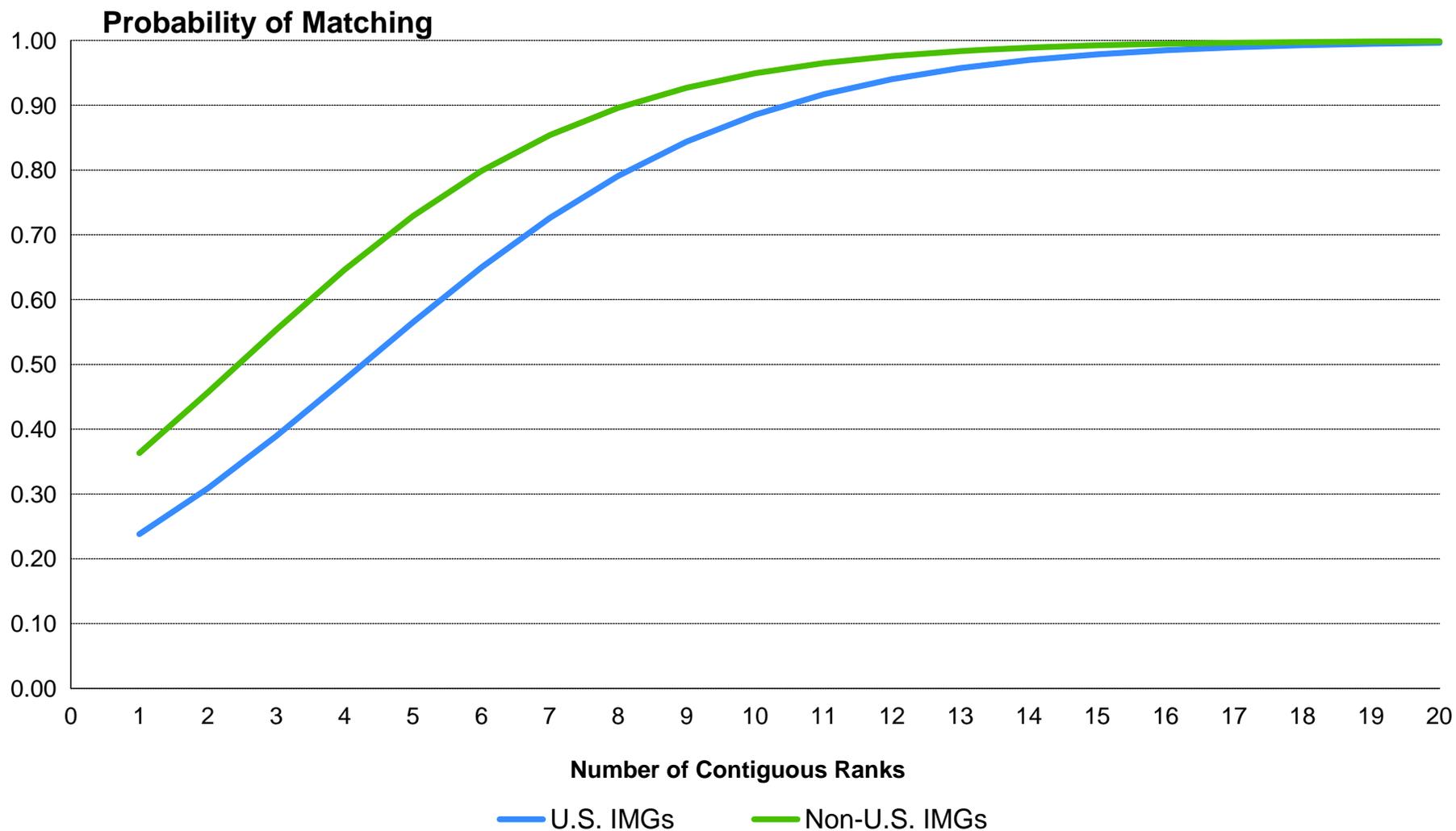


**Non-U.S. IMGs**



Source: NRMP Data Warehouse

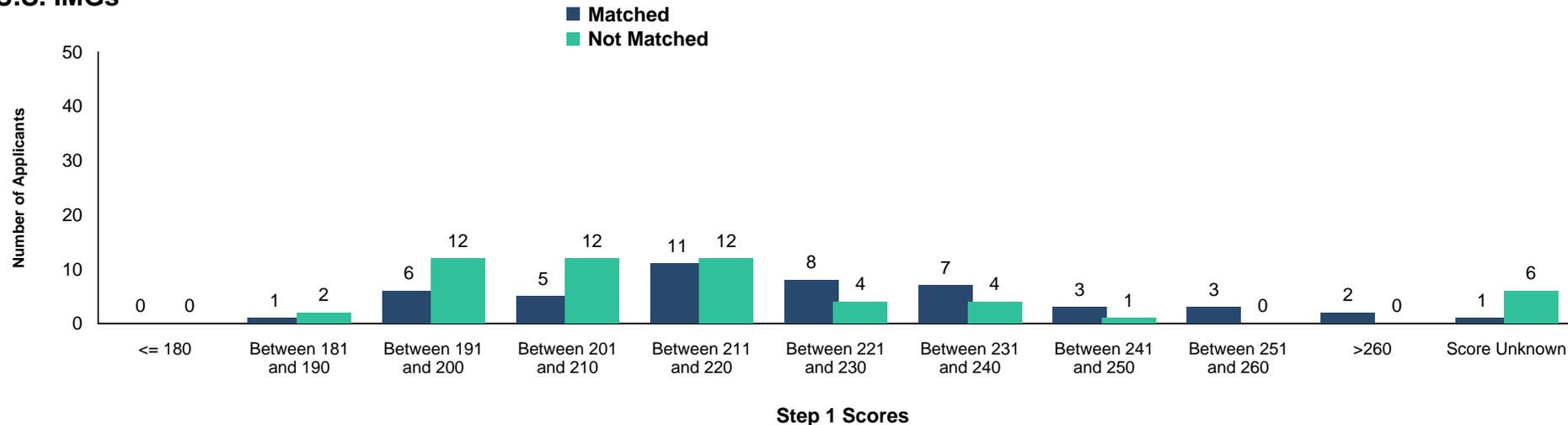
**Probability of International Medical Graduates Matching to Preferred Specialty by Number of Contiguous Ranks**  
*Pathology*



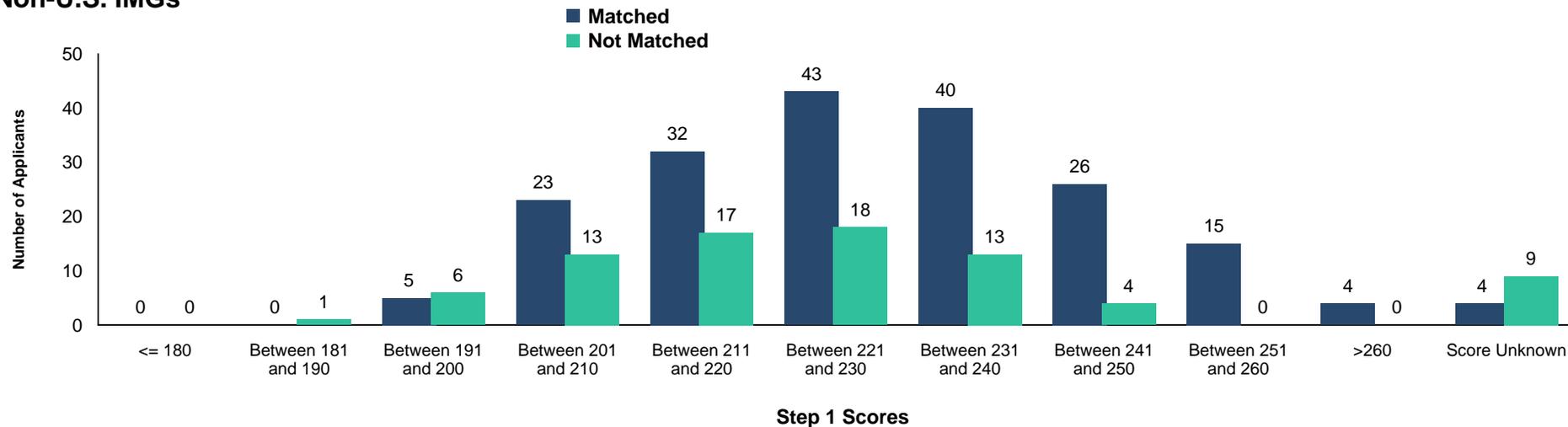
Source: NRMP Data Warehouse. Note: Probabilities calculated based on 2018-2020 applicants

# USMLE Step 1 Scores of International Medical Graduates *Pathology*

## U.S. IMGs

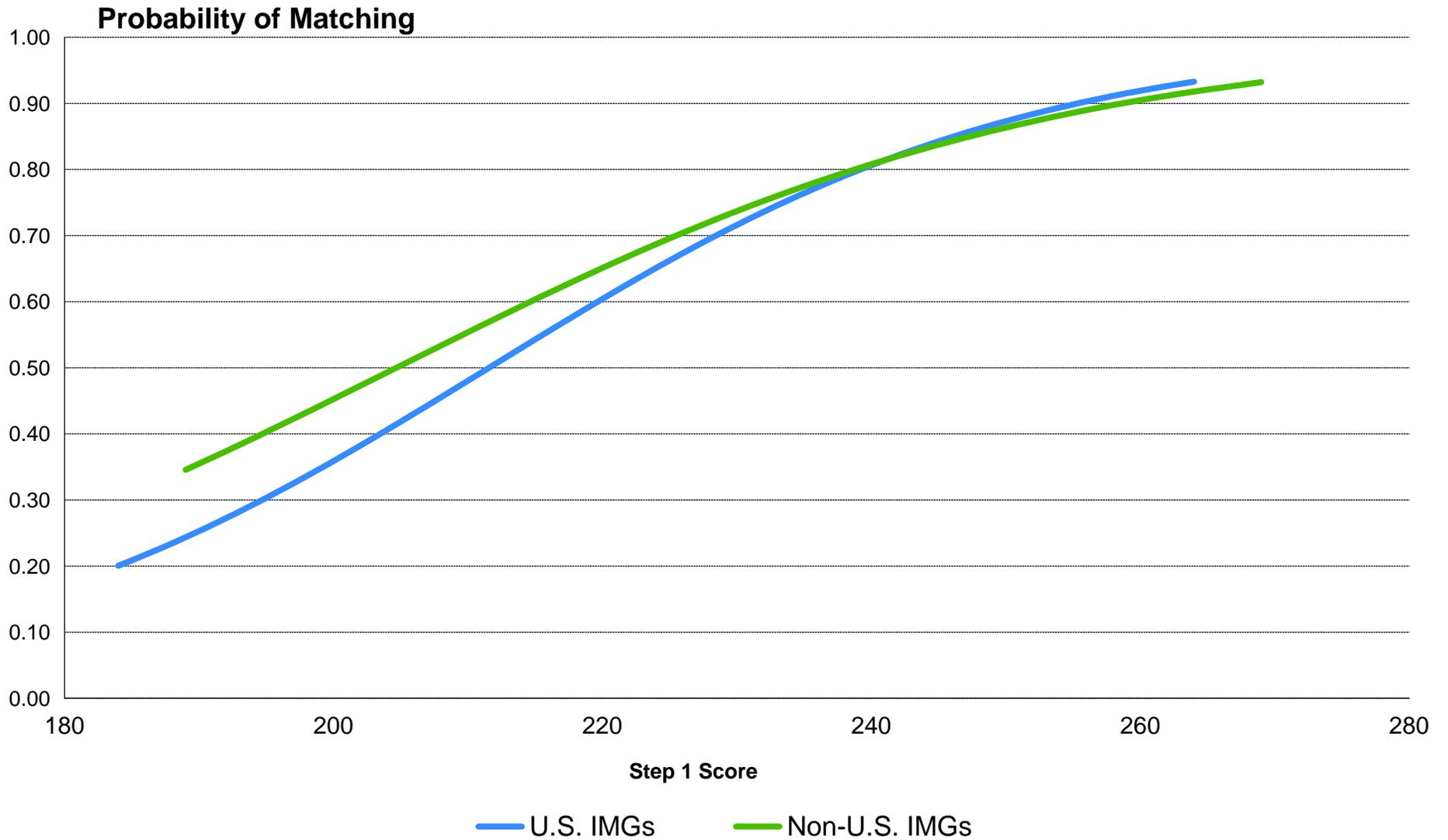


## Non-U.S. IMGs



Source: NRMP Data Warehouse

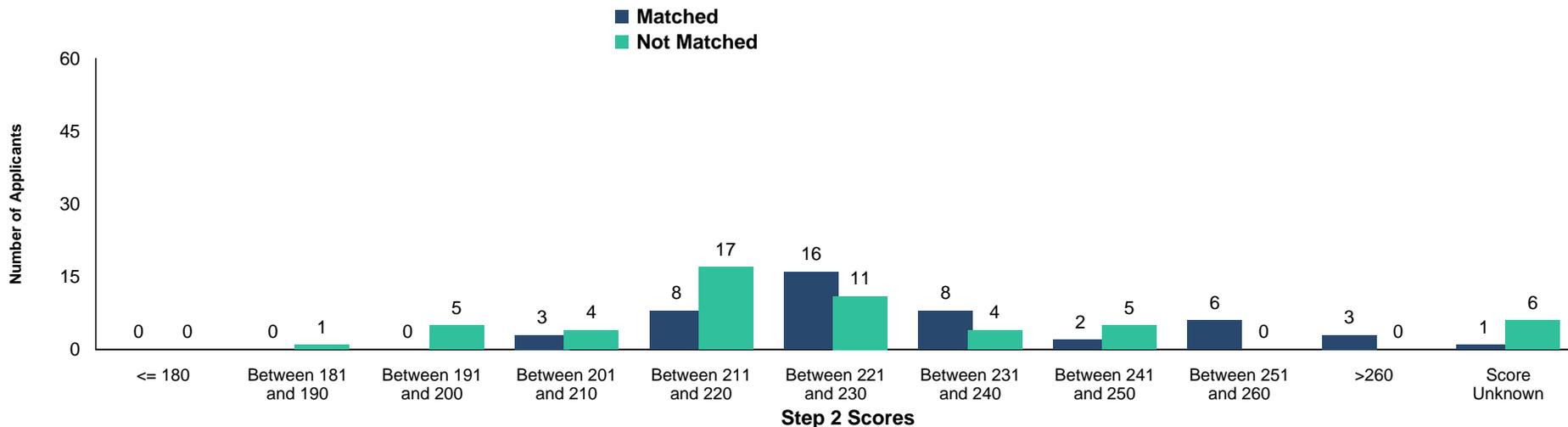
**Probability of International Medical Graduates Matching to Preferred Specialty by USMLE Step 1 Score**  
*Pathology*



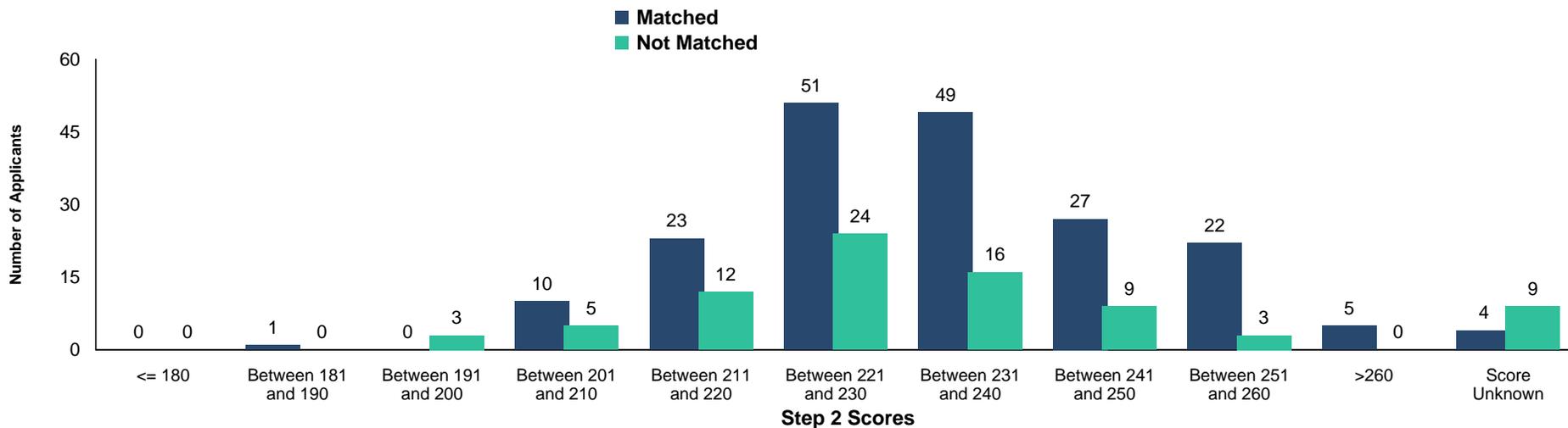
Source: NRMP Data Warehouse. Note: Probabilities calculated based on 2018-2020 applicants.

# USMLE Step 2 CK Scores of International Medical Graduates *Pathology*

## U.S. IMGs



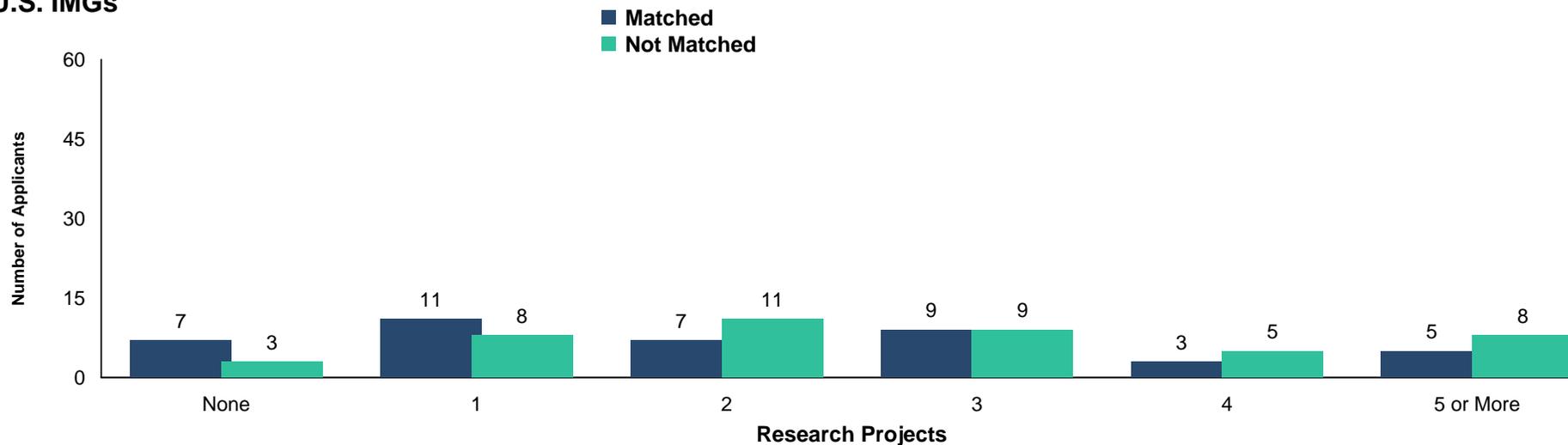
## Non-U.S. IMGs



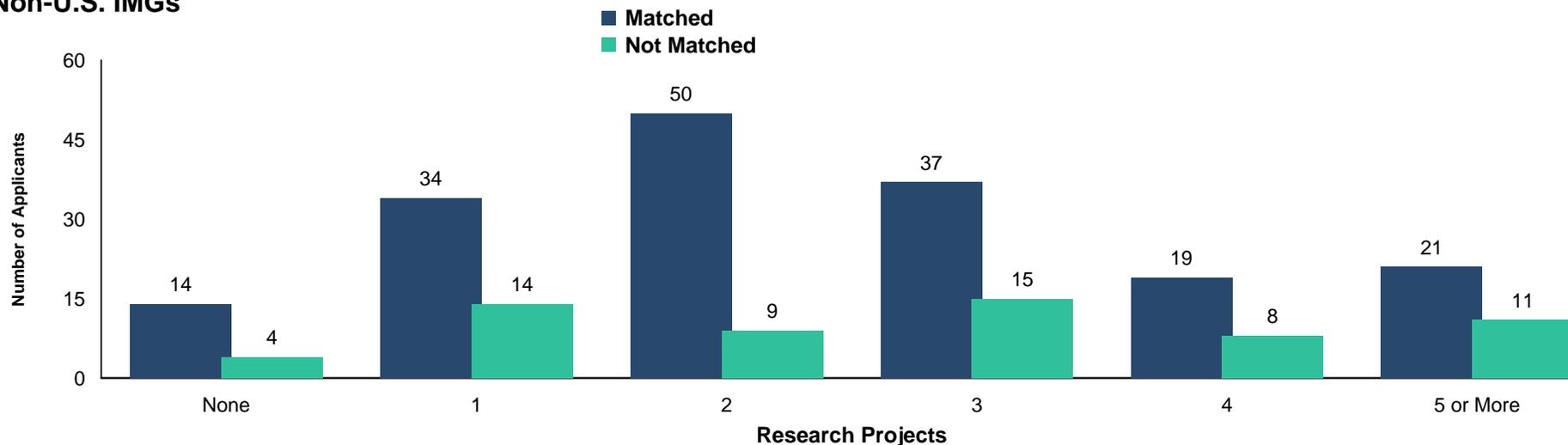
Source: NRMP Data Warehouse

# Number of Research Projects of International Medical Graduates *Pathology*

## U.S. IMGs



## Non-U.S. IMGs

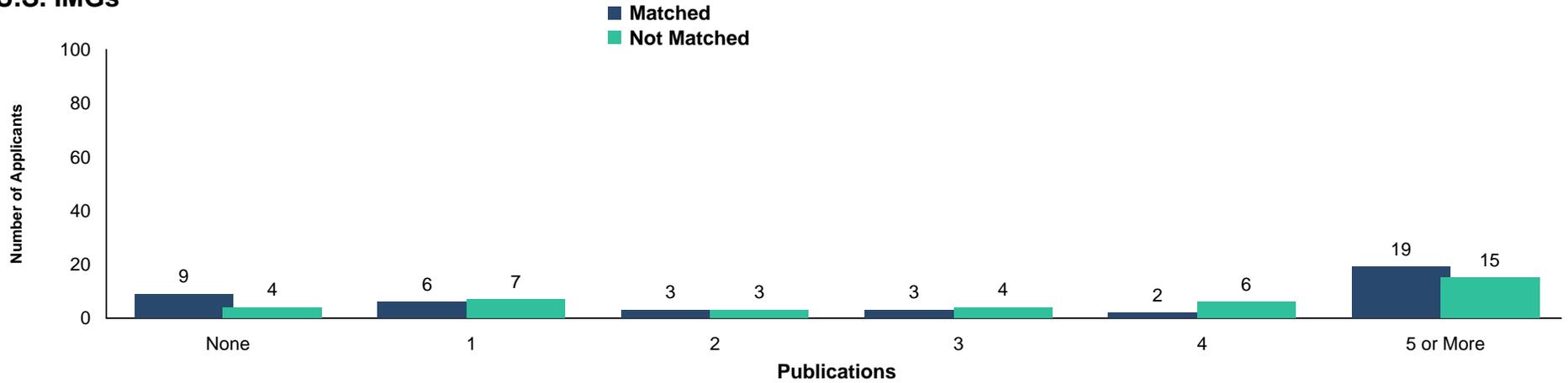


Source: NRMP Data Warehouse

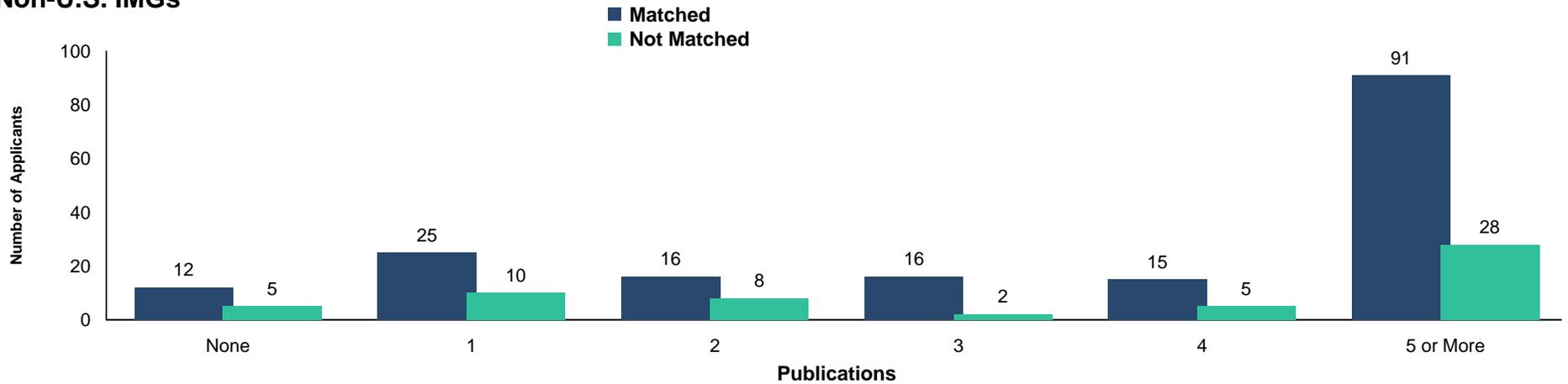
**Chart  
PTH-6**

**Number of Abstracts, Presentations, and Publications of International Medical Graduates  
Pathology**

**U.S. IMGs**



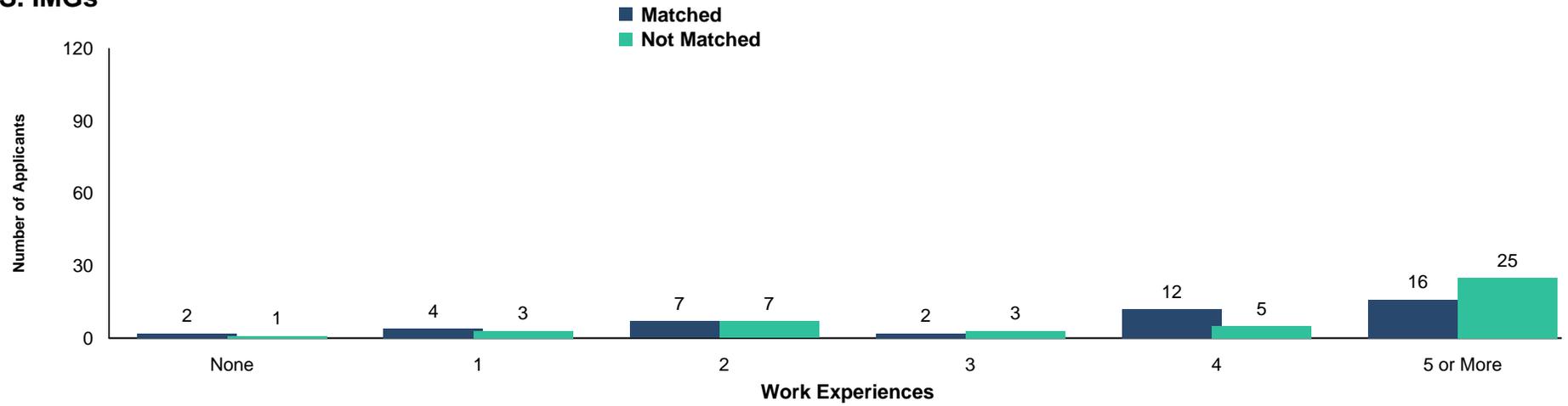
**Non-U.S. IMGs**



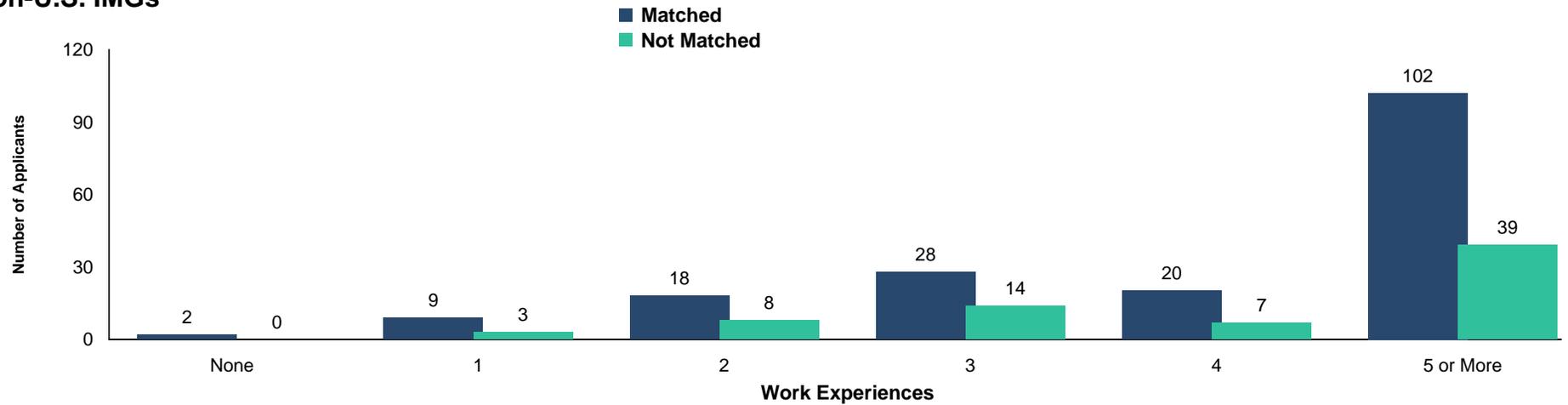
Source: NRMP Data Warehouse

**Number of Work Experiences of International Medical Graduates  
Pathology**

**U.S. IMGs**



**Non-U.S. IMGs**

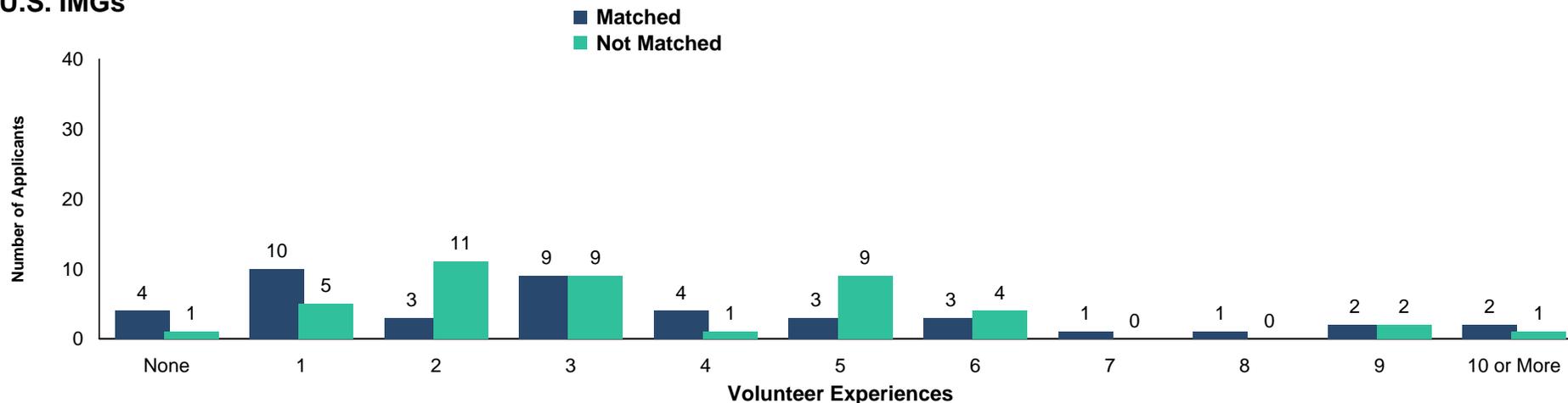


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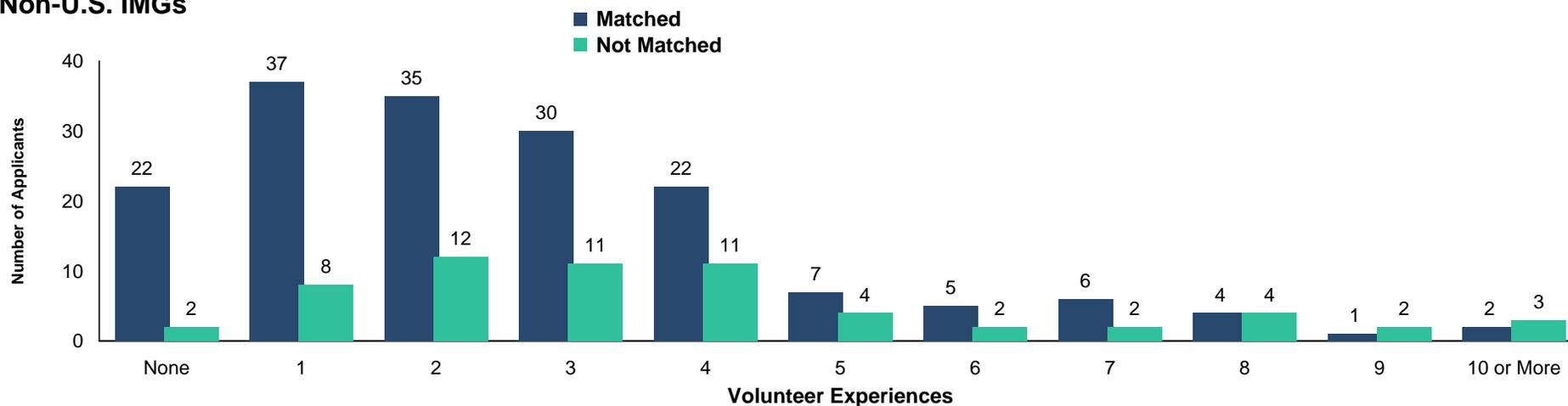
**Chart  
PTH-8**

**Number of Volunteer Experiences of International Medical Graduates  
Pathology**

**U.S. IMGs**



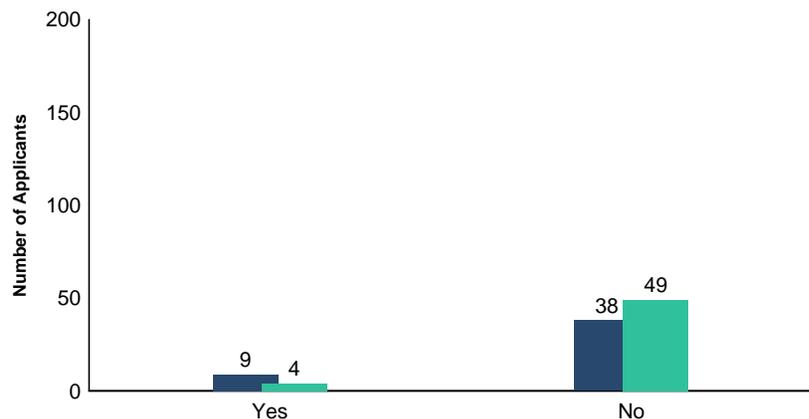
**Non-U.S. IMGs**



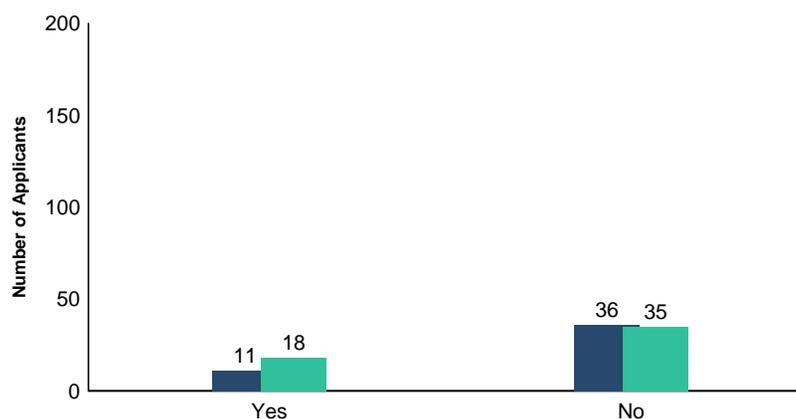
Source: NRMP Data Warehouse

**U.S. IMGs**

**Ph.D. Degree**

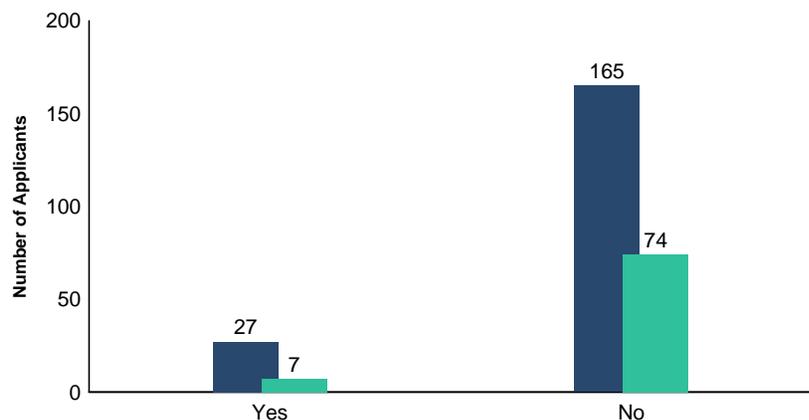


**Other Graduate Degree**

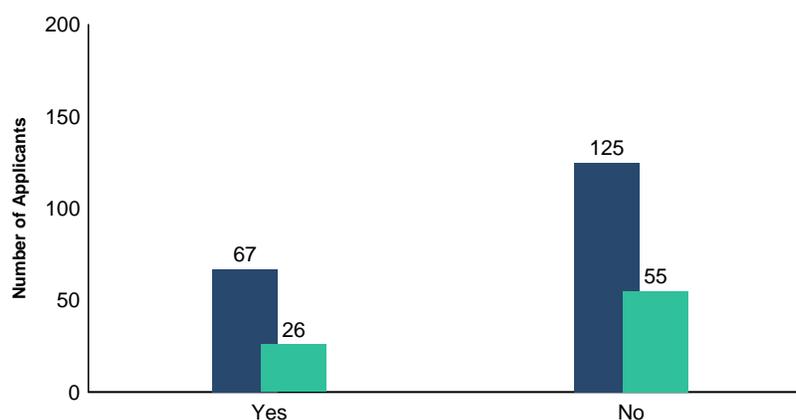


**Non-U.S. IMGs**

**Ph.D. Degree**



**Other Graduate Degree**



Source: NRMP Data Warehouse

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**PD** Pediatrics

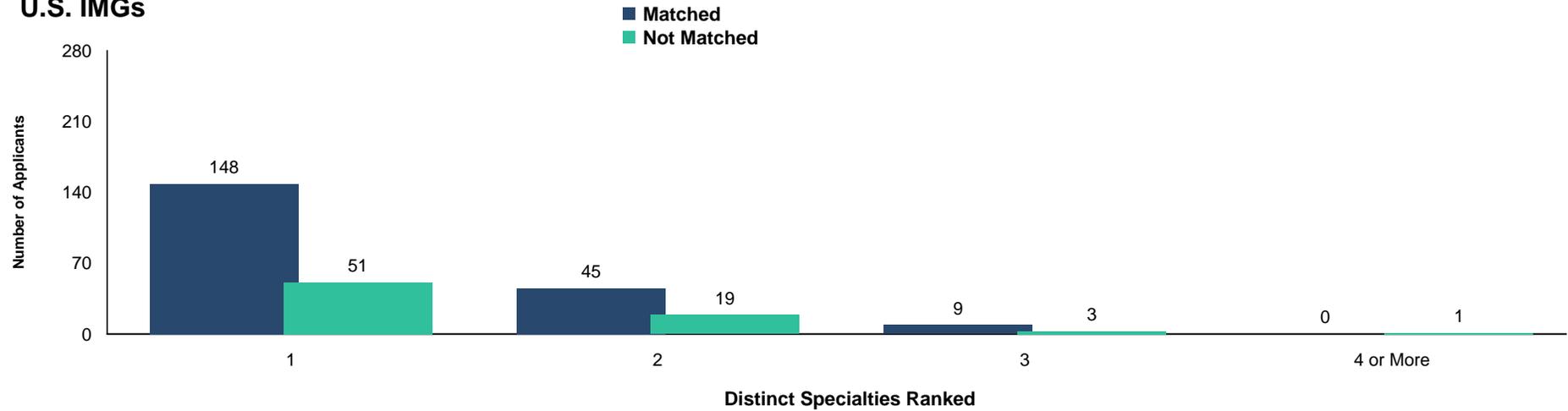
**Table PD-1** **Summary Statistics**  
*Pediatrics*

Measure	U.S. IMGs		Non-U.S. IMGs	
	Matched (n=202)	Unmatched (n=74)	Matched (n=310)	Unmatched (n=137)
1. Mean number of contiguous ranks	8.6	2.0	6.0	2.1
2. Mean number of distinct specialties ranked	1.3	1.4	1.2	1.3
3. Mean USMLE Step 1 score	222	209	229	216
4. Mean USMLE Step 2 score	234	222	237	224
5. Mean number of research experiences	2.0	2.2	2.3	2.2
6. Mean number of abstracts, presentations, and publications	2.8	4.7	4.3	5.4
7. Mean number of work experiences	4.5	6.1	5.8	5.8
8. Mean number of volunteer experiences	5.8	4.2	4.7	3.9
9. Percentage who have a Ph.D. degree	0.0	4.3	1.7	1.6
10. Percentage who have another graduate degree	18.1	25.0	19.5	23.8

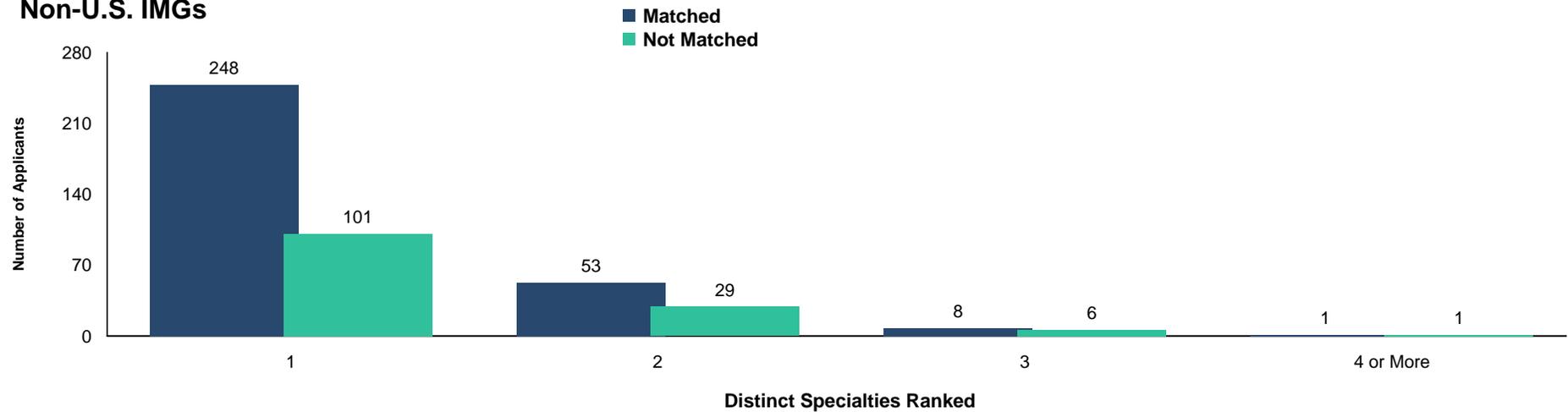
Note: Only applicants who gave consent to use their information in research are included.  
Source: NRMP Data Warehouse

# Number of Distinct Specialties Ranked by International Medical Graduates Pediatrics

## U.S. IMGs



## Non-U.S. IMGs

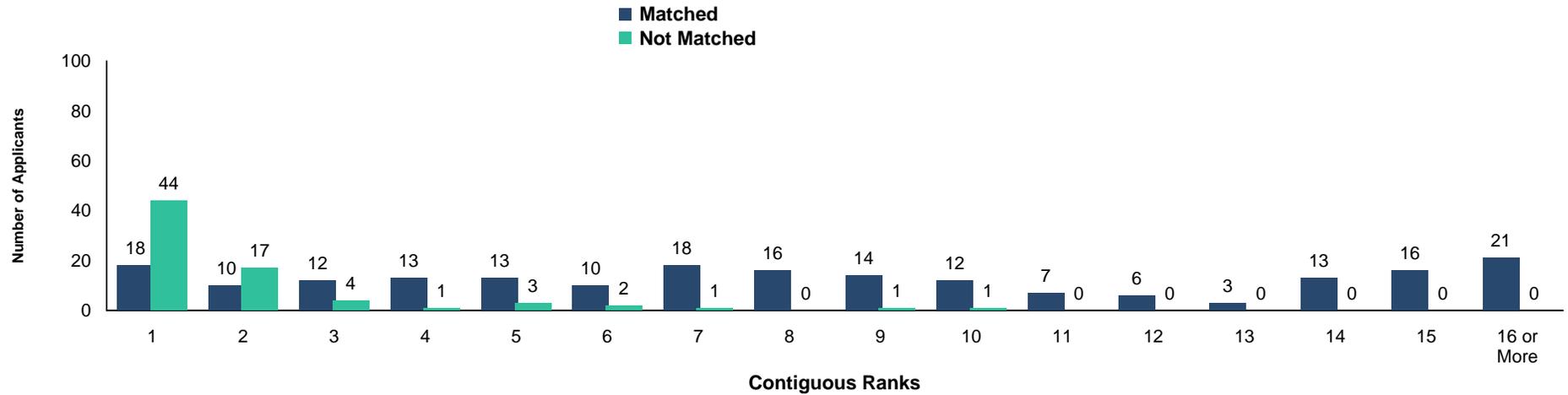


Source: NRMP Data Warehouse

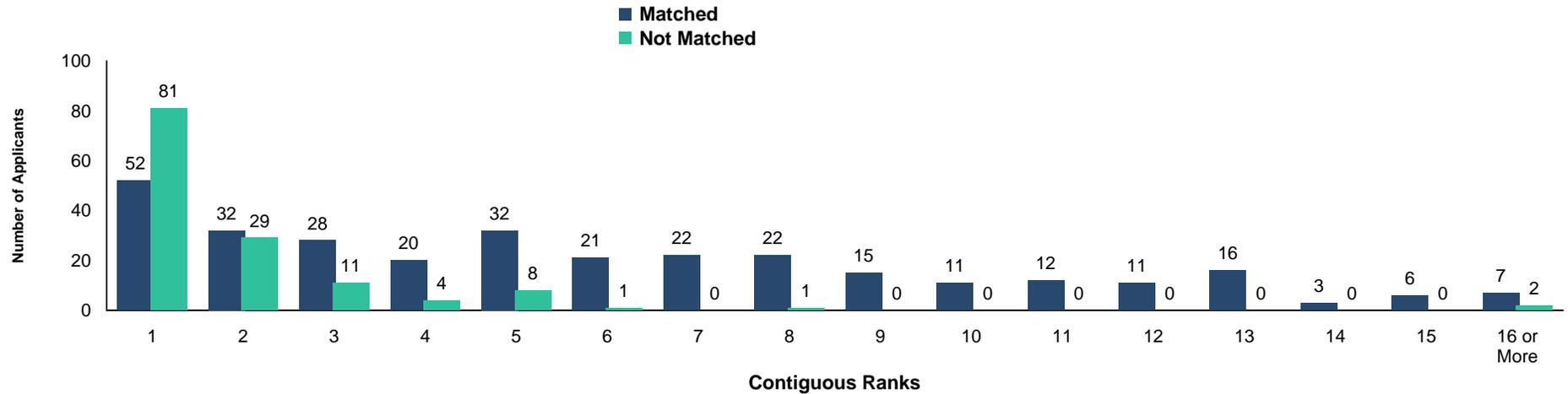
**Chart  
PD-2**

**Number of Contiguous Ranks of International Medical Graduates  
Pediatrics**

**U.S. IMGs**



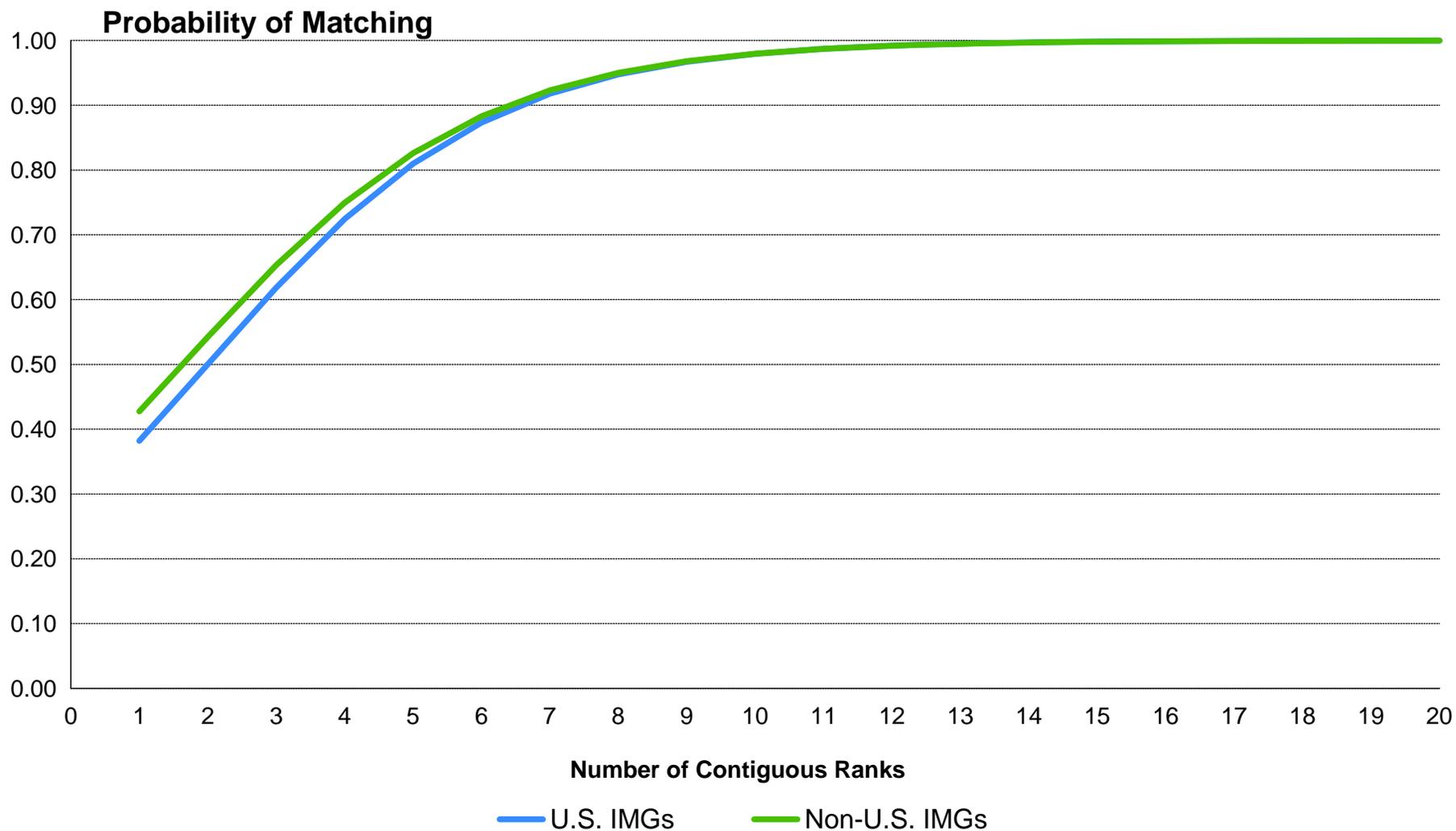
**Non-U.S. IMGs**



Source: NRMP Data Warehouse

**Graph  
PD-1**

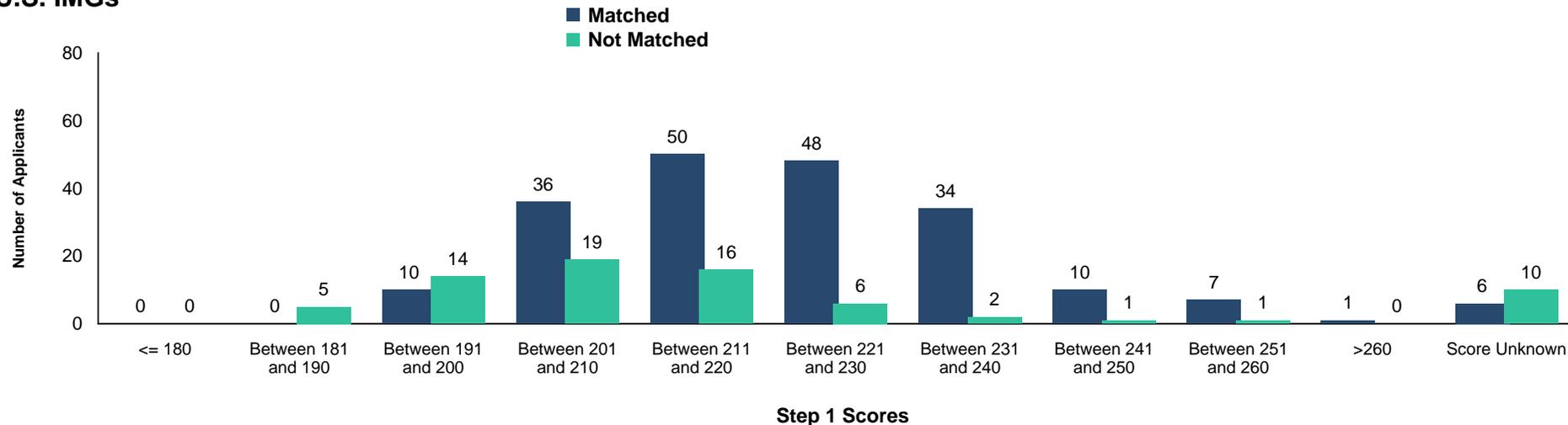
**Probability of International Medical Graduates Matching to Preferred Specialty by Number of Contiguous Ranks**  
*Pediatrics*



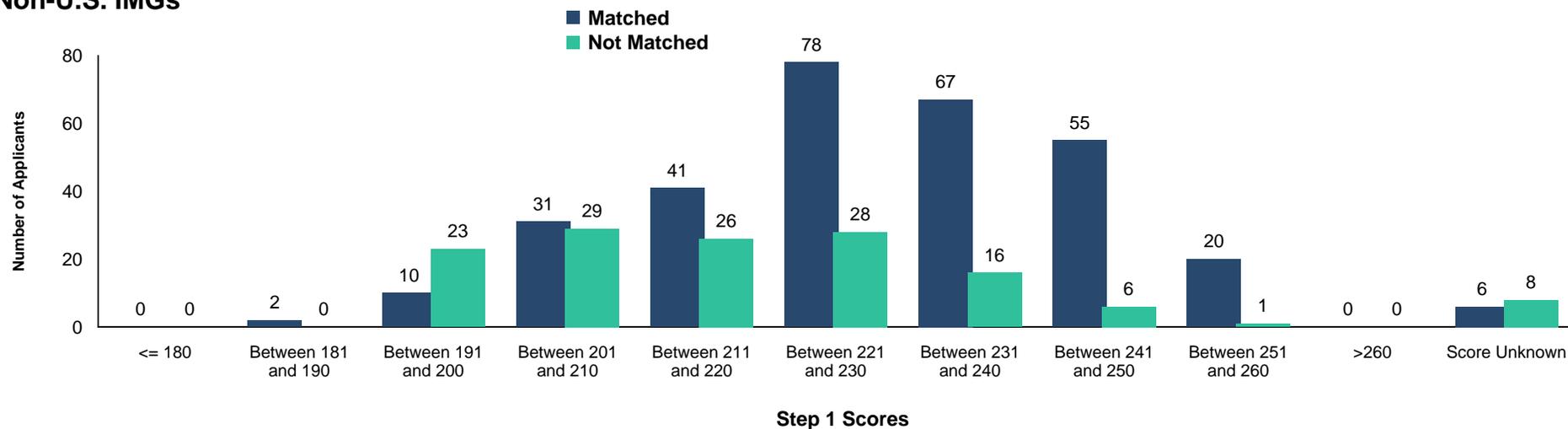
Source: NRMP Data Warehouse. Note: Probabilities calculated based on 2018-2020 applicants

# USMLE Step 1 Scores of International Medical Graduates Pediatrics

## U.S. IMGs



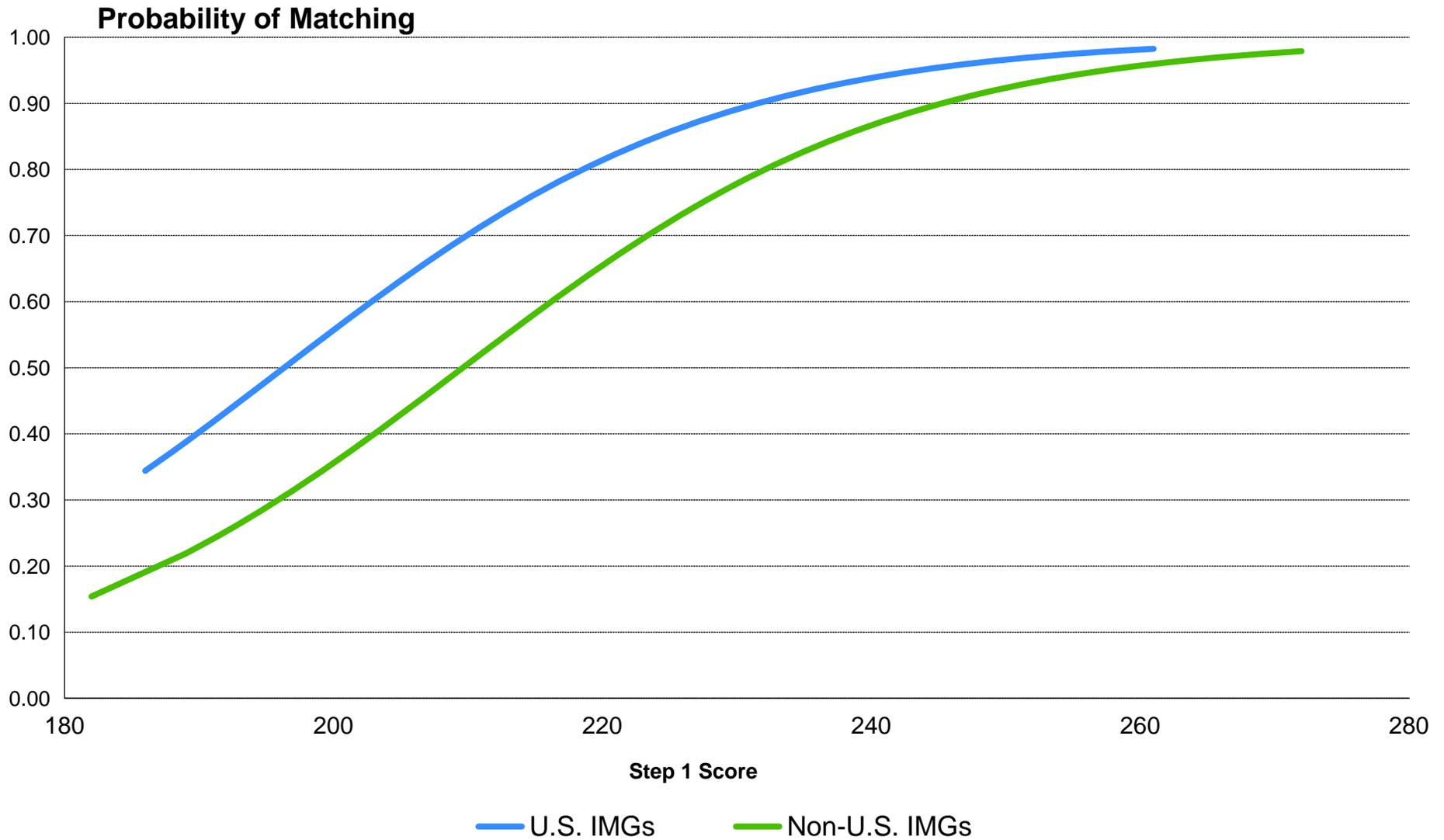
## Non-U.S. IMGs



Source: NRMP Data Warehouse

# Probability of International Medical Graduates Matching to Preferred Specialty by USMLE Step 1 Score

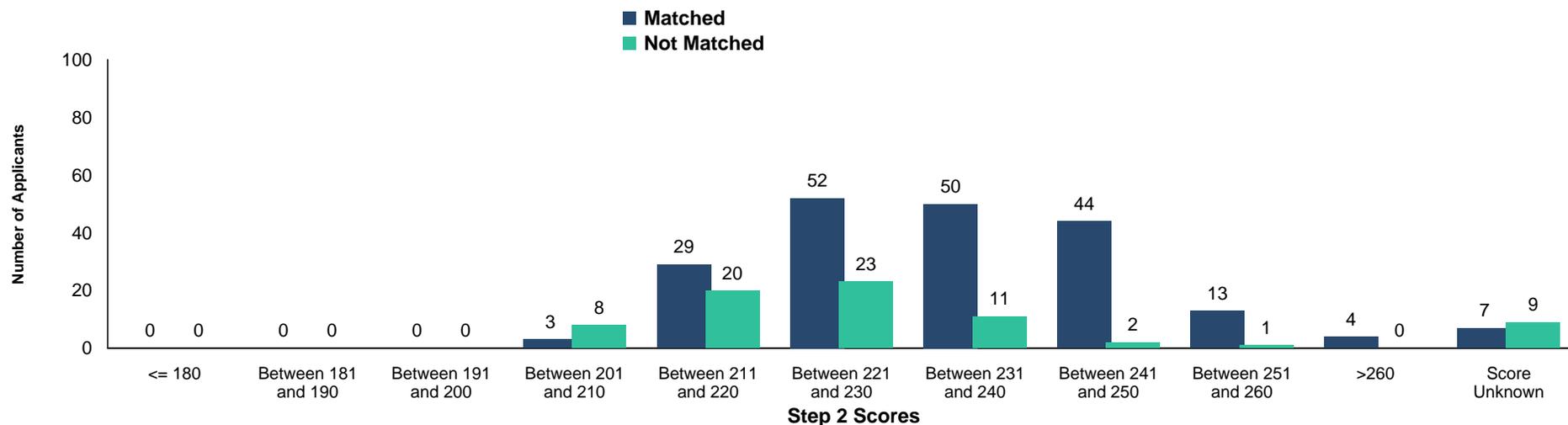
## Pediatrics



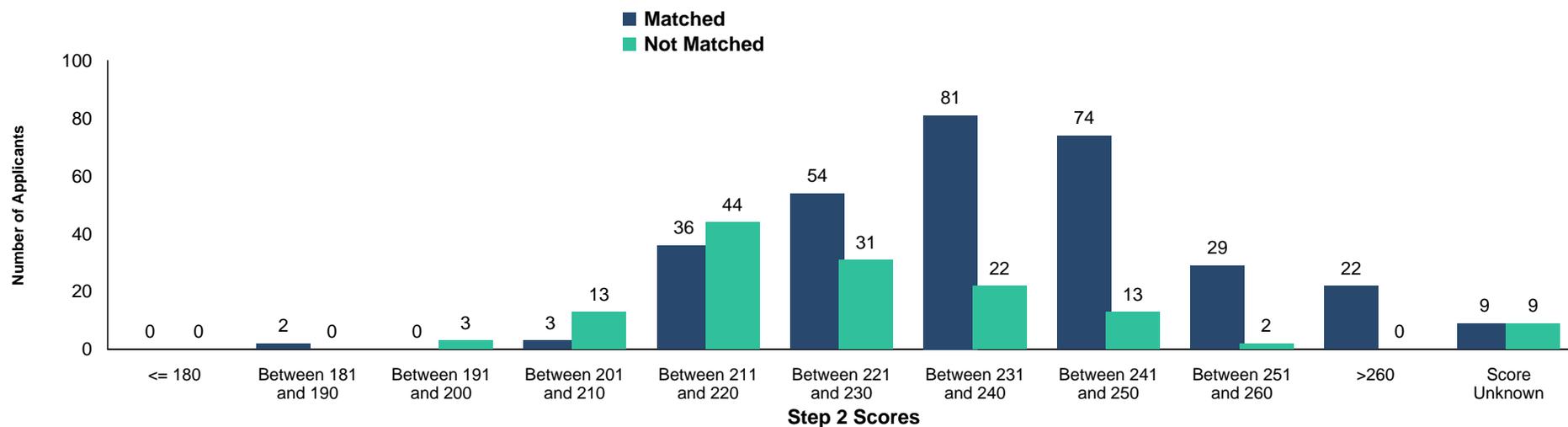
Source: NRMP Data Warehouse. Note: Probabilities calculated based on 2018-2020 applicants.

**USMLE Step 2 CK Scores of International Medical Graduates  
Pediatrics**

**U.S. IMGs**



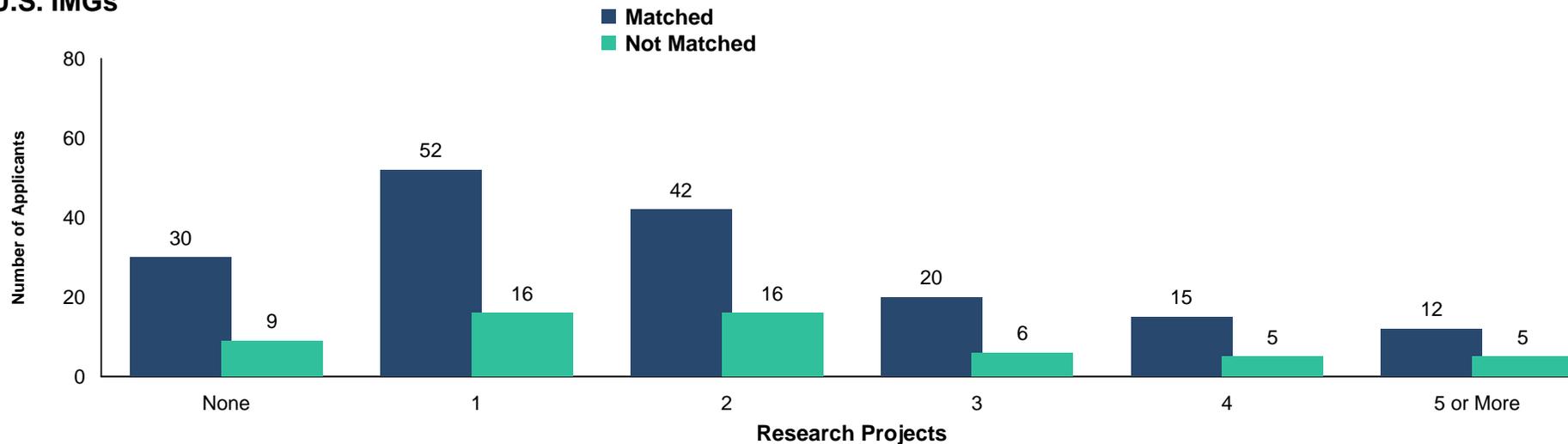
**Non-U.S. IMGs**



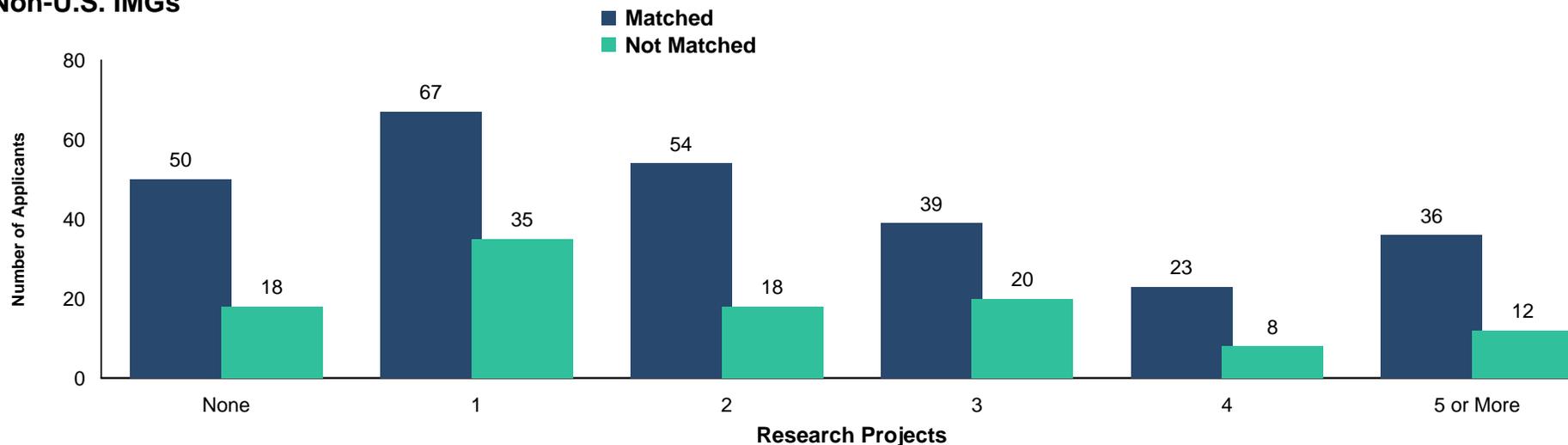
Source: NRMP Data Warehouse

**Number of Research Projects of International Medical Graduates  
Pediatrics**

**U.S. IMGs**



**Non-U.S. IMGs**

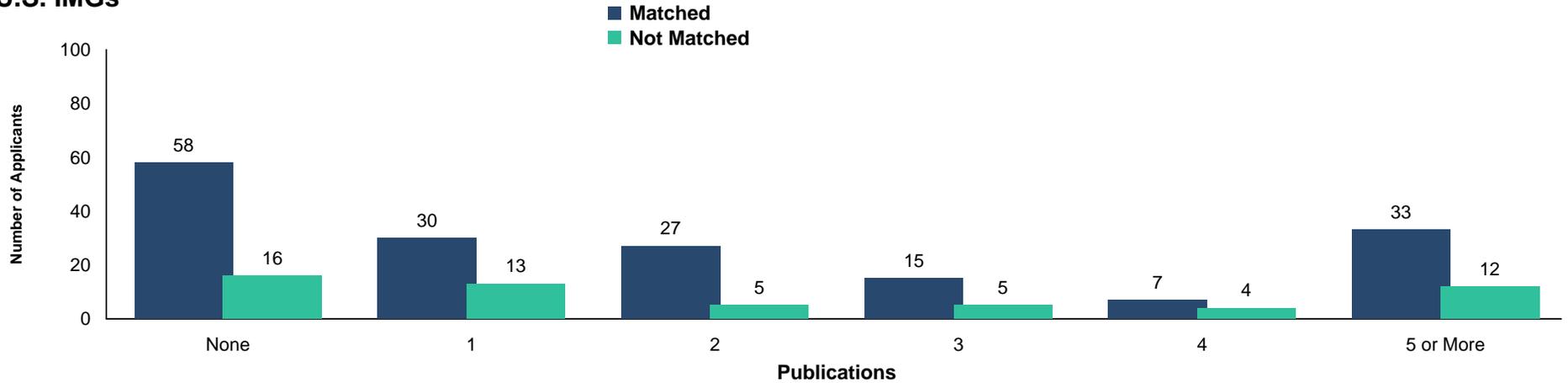


Source: NRMP Data Warehouse

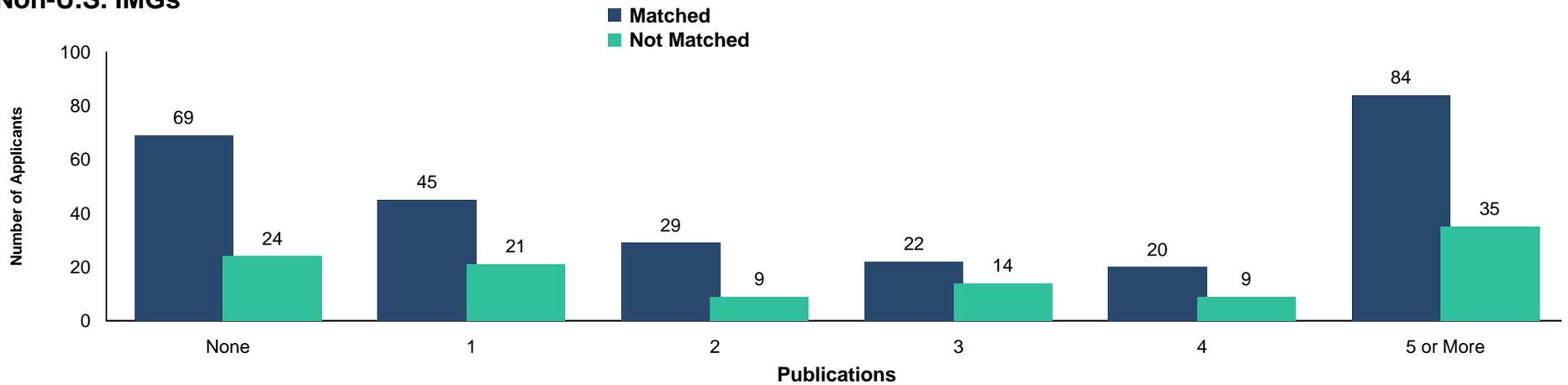
**Chart  
PD-6**

**Number of Abstracts, Presentations, and Publications of International Medical Graduates  
Pediatrics**

**U.S. IMGs**



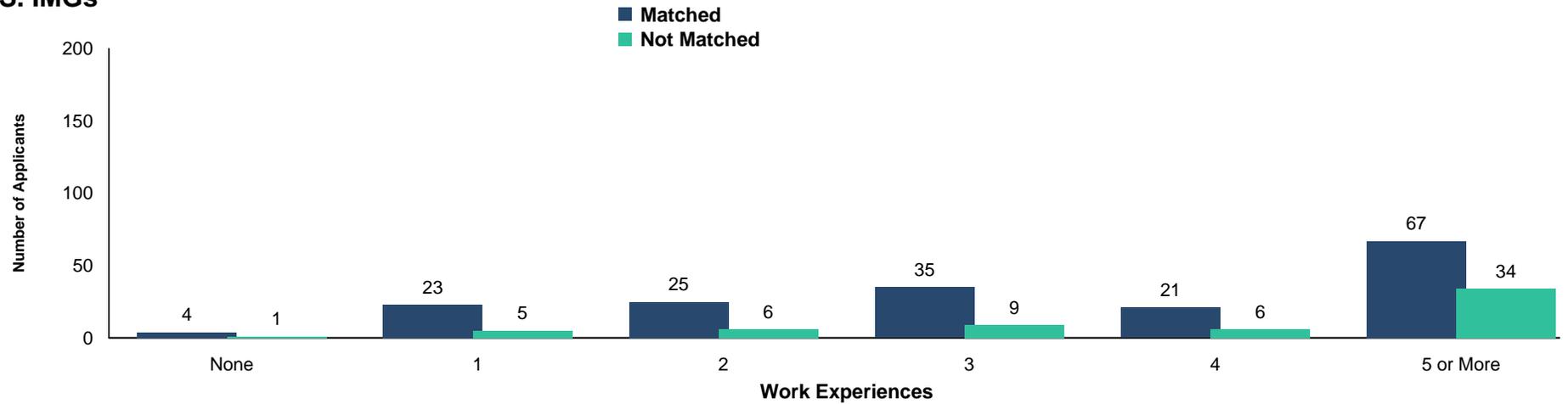
**Non-U.S. IMGs**



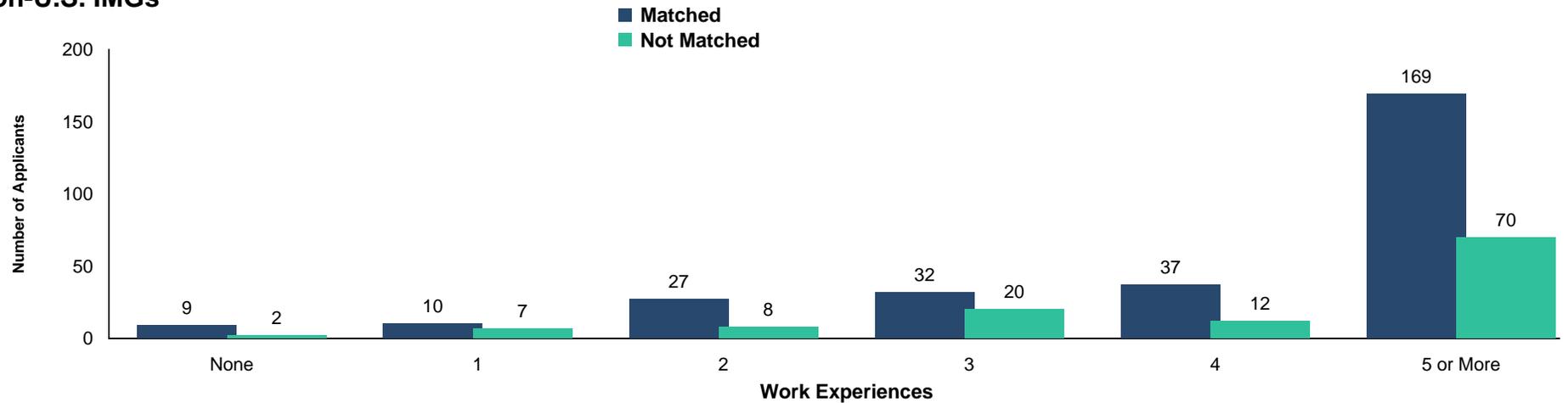
Source: NRMP Data Warehouse

## Number of Work Experiences of International Medical Graduates *Pediatrics*

### U.S. IMGs



### Non-U.S. IMGs

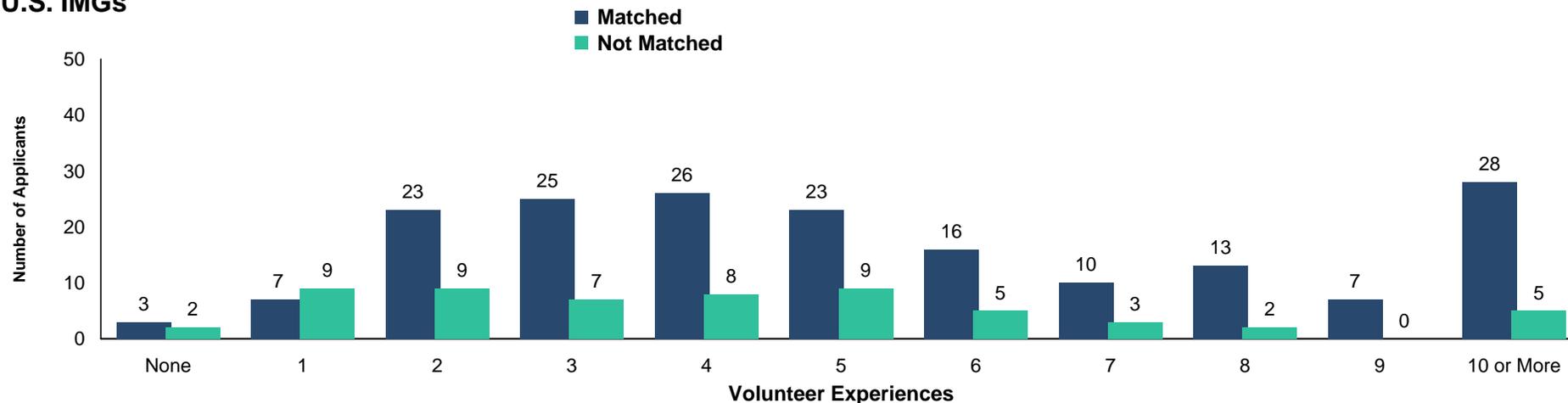


Source: NRMP Data Warehouse

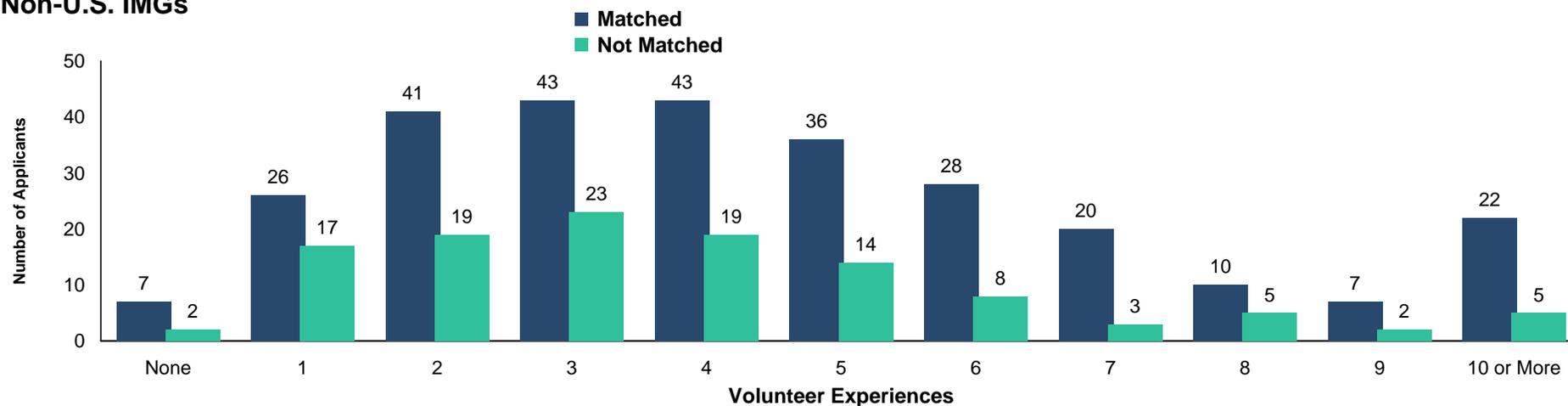
**Chart  
PD-8**

**Number of Volunteer Experiences of International Medical Graduates  
Pediatrics**

**U.S. IMGs**



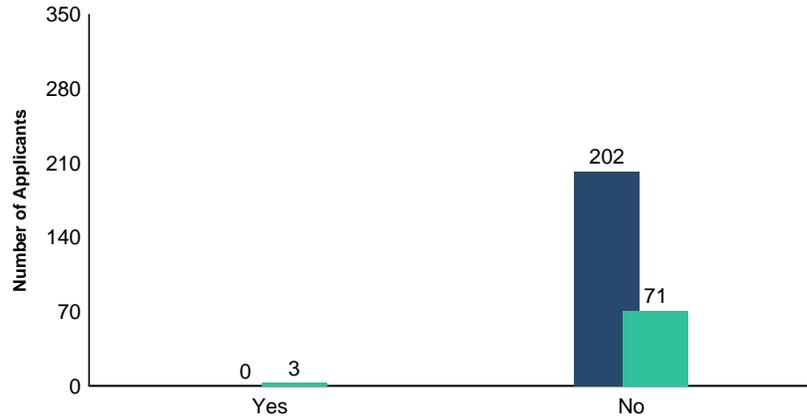
**Non-U.S. IMGs**



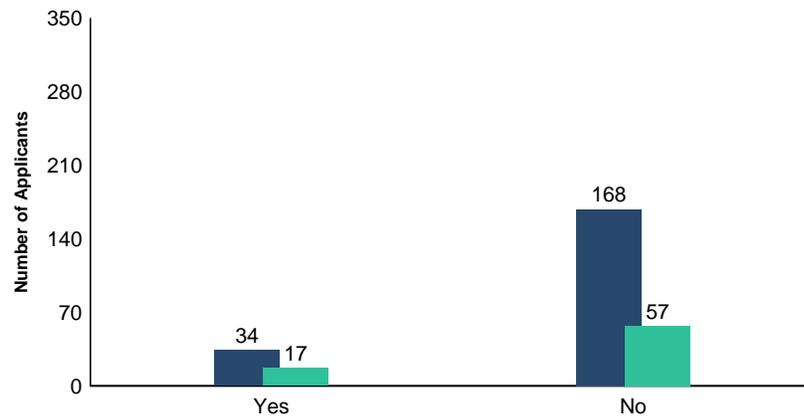
Source: NRMP Data Warehouse

**U.S. IMGs**

**Ph.D. Degree**

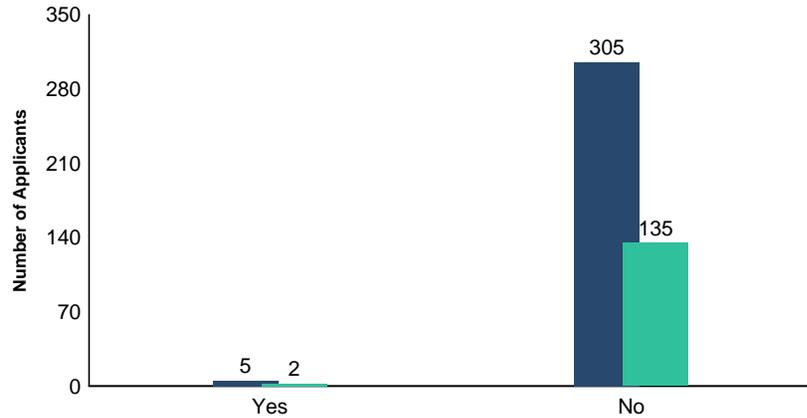


**Other Graduate Degree**

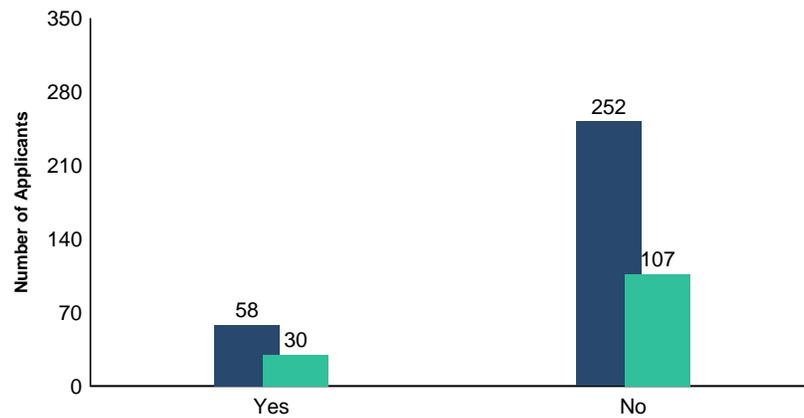


**Non-U.S. IMGs**

**Ph.D. Degree**



**Other Graduate Degree**



Source: NRMP Data Warehouse

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**PM** Physical Medicine and Rehabilitation

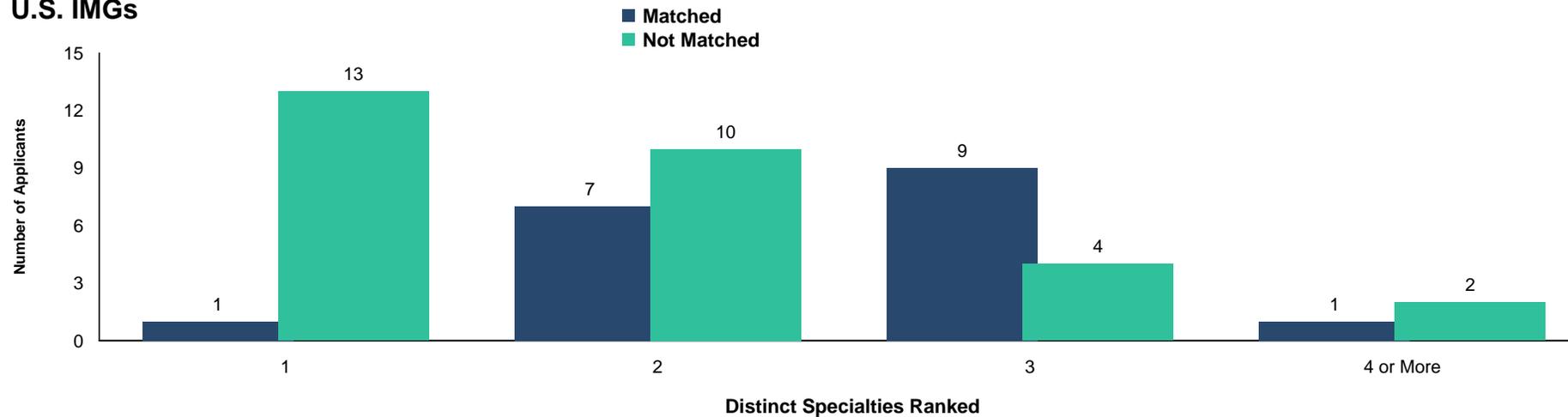
Measure	U.S. IMGs		Non-U.S. IMGs	
	Matched (n=19)	Unmatched (n=30)	Matched (n=10)	Unmatched (n=10)
1. Mean number of contiguous ranks	6.1	2.0	4.4	2.2
2. Mean number of distinct specialties ranked	2.7	1.9	2.2	2.1
3. Mean USMLE Step 1 score	222	214	224	226
4. Mean USMLE Step 2 score	229	225	234	236
5. Mean number of research experiences	2.4	2.7	1.5	1.1
6. Mean number of abstracts, presentations, and publications	2.4	7.9	4.6	2.8
7. Mean number of work experiences	3.3	4.0	6.6	5.6
8. Mean number of volunteer experiences	6.8	5.2	3.7	5.1
9. Percentage who have a Ph.D. degree	0.0	0.0	0.0	11.1
10. Percentage who have another graduate degree	27.8	26.9	50.0	25.0

Note: Only applicants who gave consent to use their information in research are included.  
Source: NRMP Data Warehouse

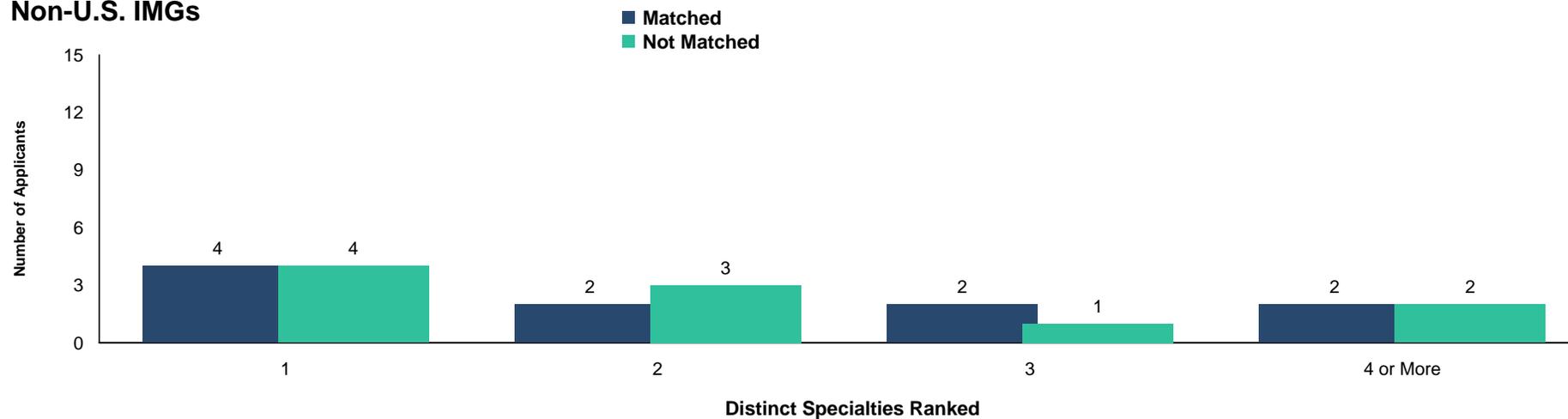
**Chart  
PM-1**

**Number of Distinct Specialties Ranked by International Medical Graduates  
Physical Medicine and Rehabilitation**

**U.S. IMGs**



**Non-U.S. IMGs**

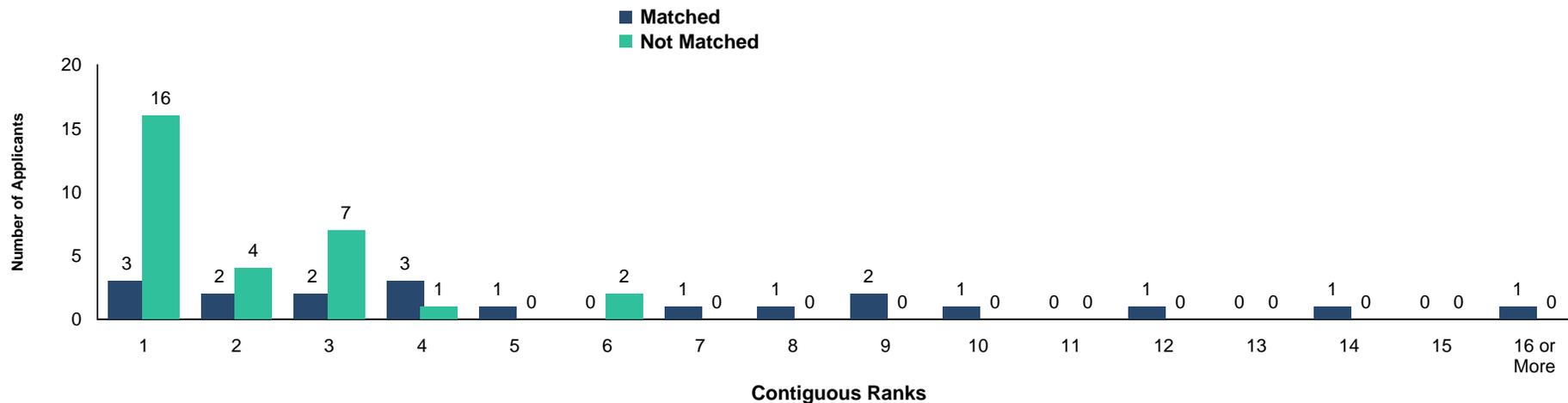


Source: NRMP Data Warehouse

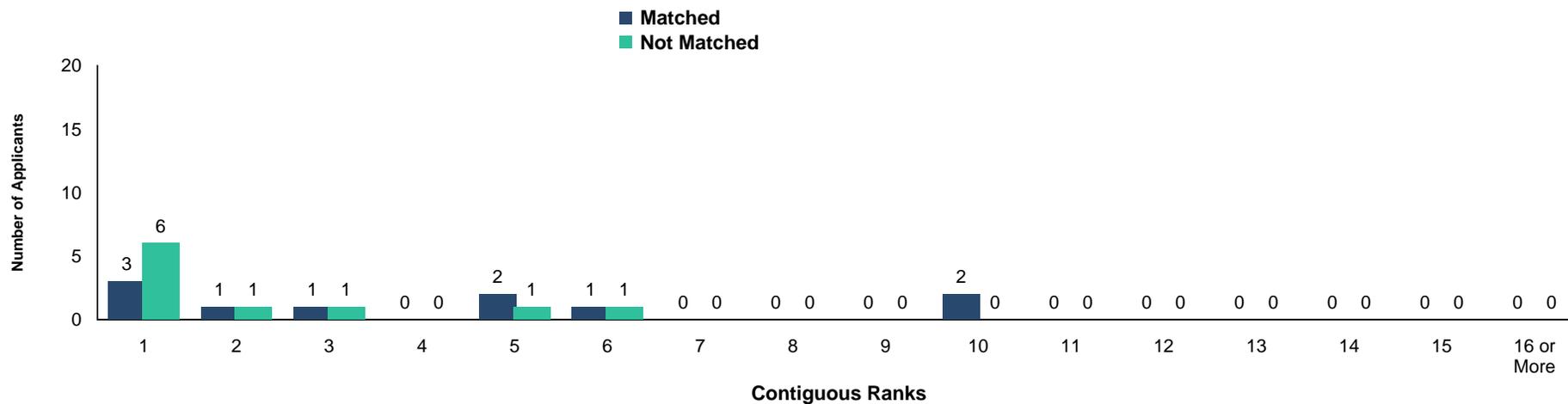
**Chart  
PM-2**

**Number of Contiguous Ranks of International Medical Graduates  
Physical Medicine and Rehabilitation**

**U.S. IMGs**



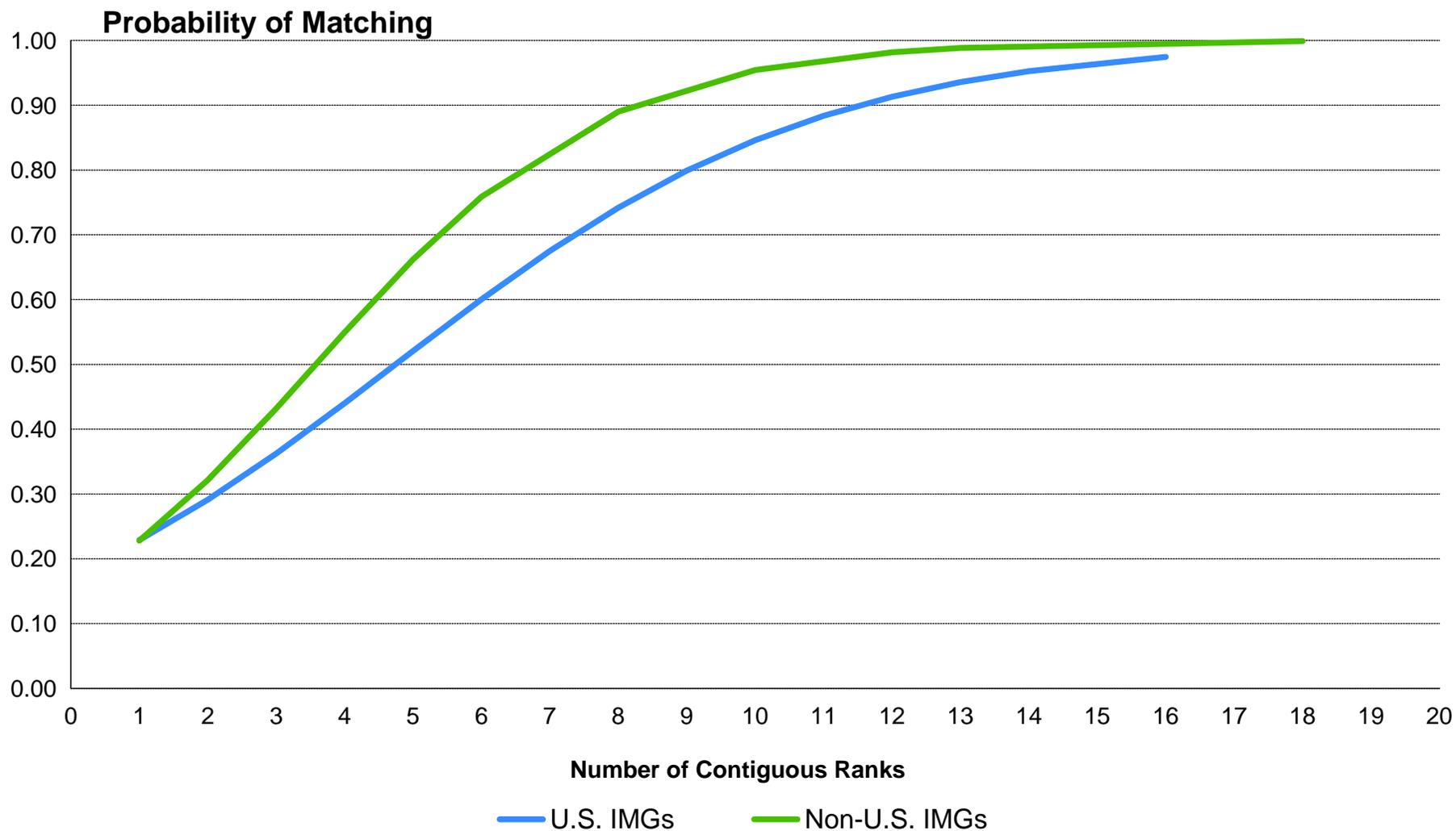
**Non-U.S. IMGs**



Source: NRMP Data Warehouse

**Graph  
PM-1**

**Probability of International Medical Graduates Matching to Preferred Specialty by Number of Contiguous Ranks**  
*Physical Medicine and Rehabilitation*

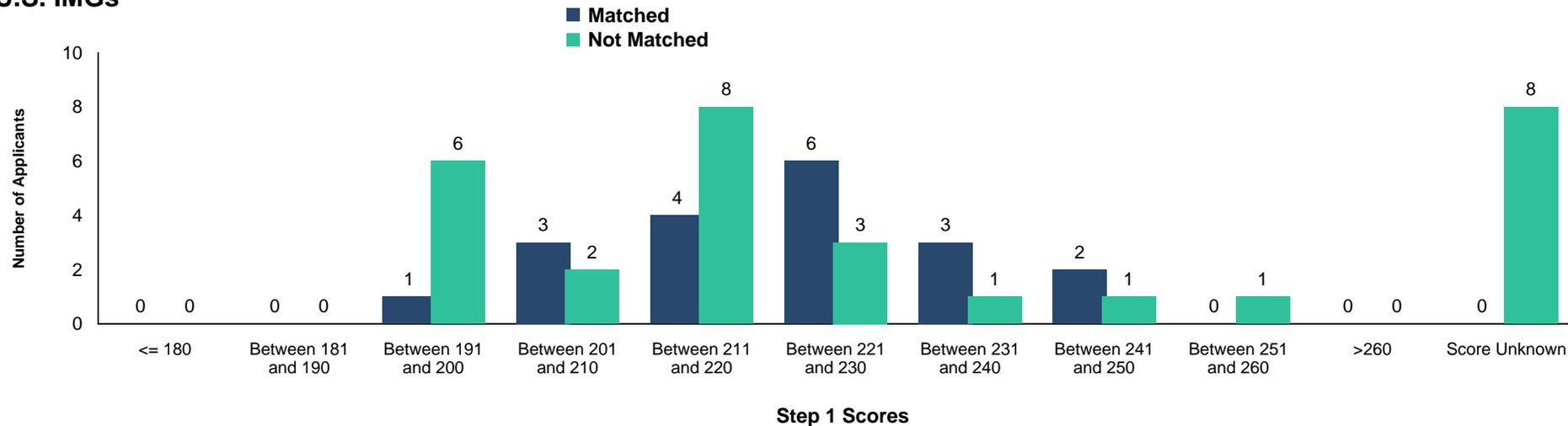


Source: NRMP Data Warehouse. Note: Probabilities calculated based on 2018-2020 applicants

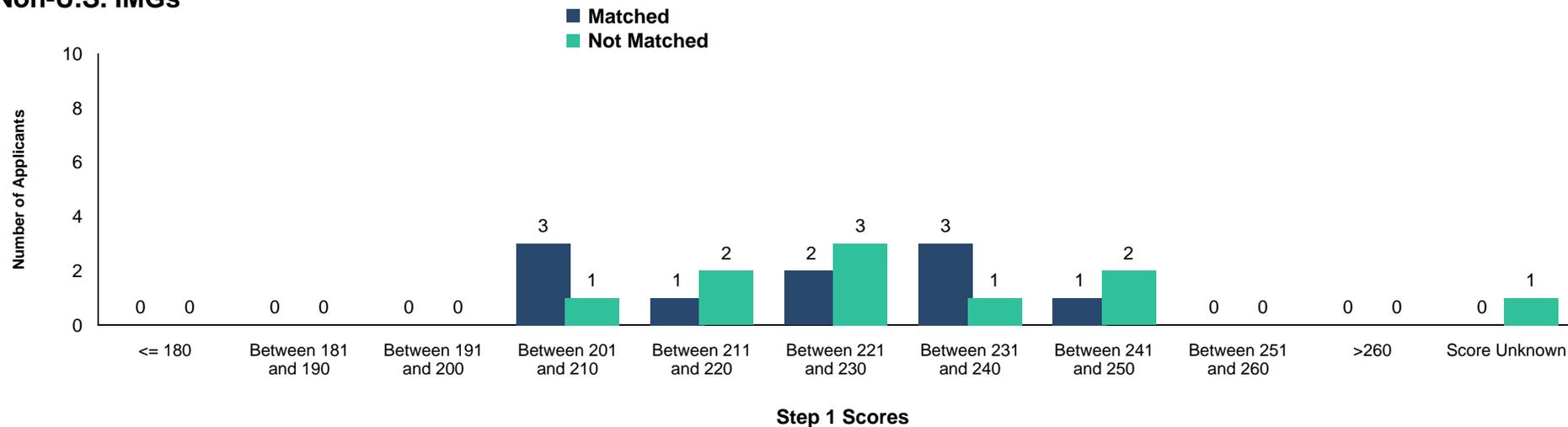
**Chart  
PM-3**

**USMLE Step 1 Scores of International Medical Graduates  
Physical Medicine and Rehabilitation**

**U.S. IMGs**



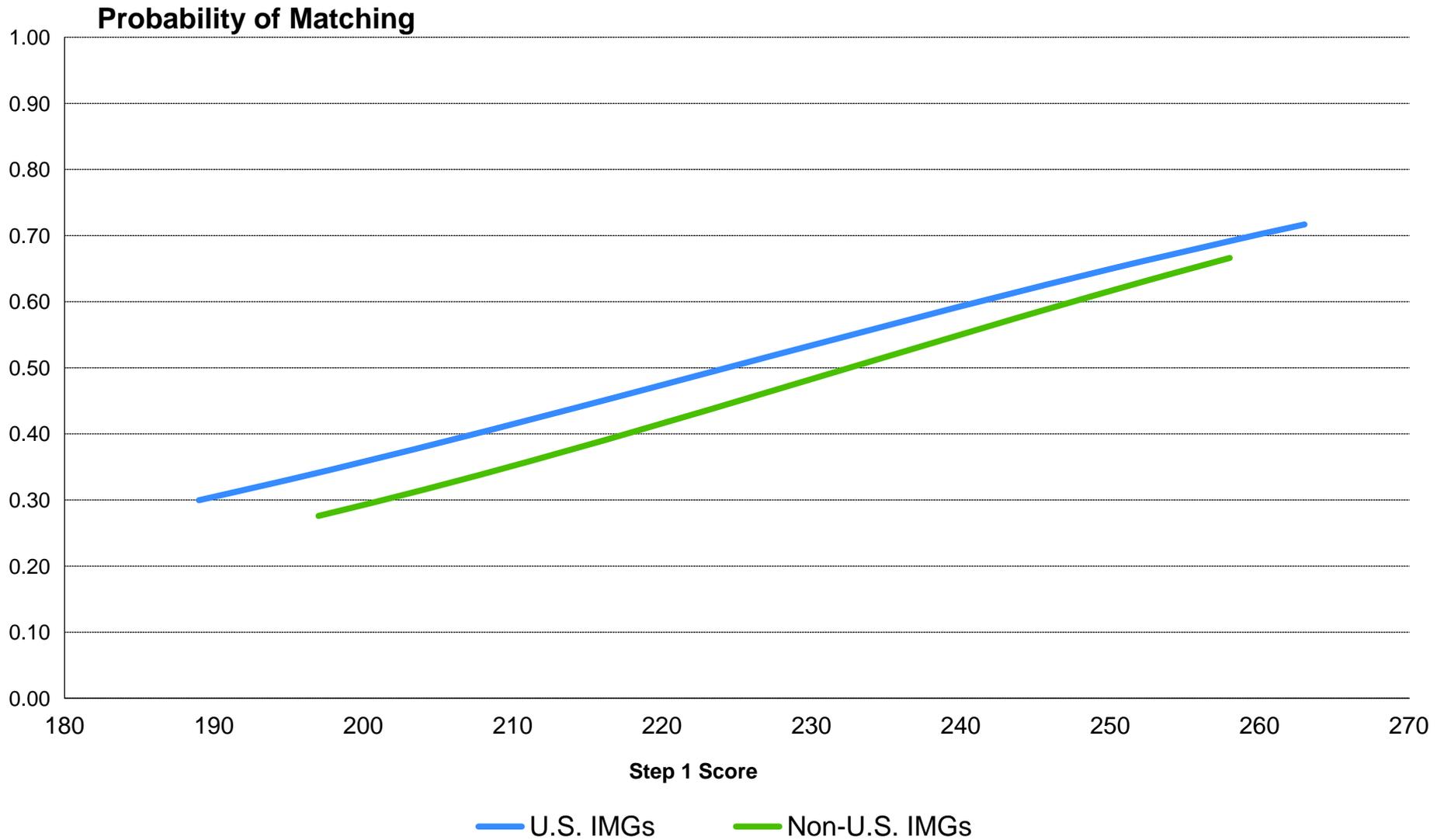
**Non-U.S. IMGs**



Source: NRMP Data Warehouse

**Graph  
PM-2**

**Probability of International Medical Graduates Matching to Preferred Specialty by USMLE Step 1 Score**  
*Physical Medicine and Rehabilitation*

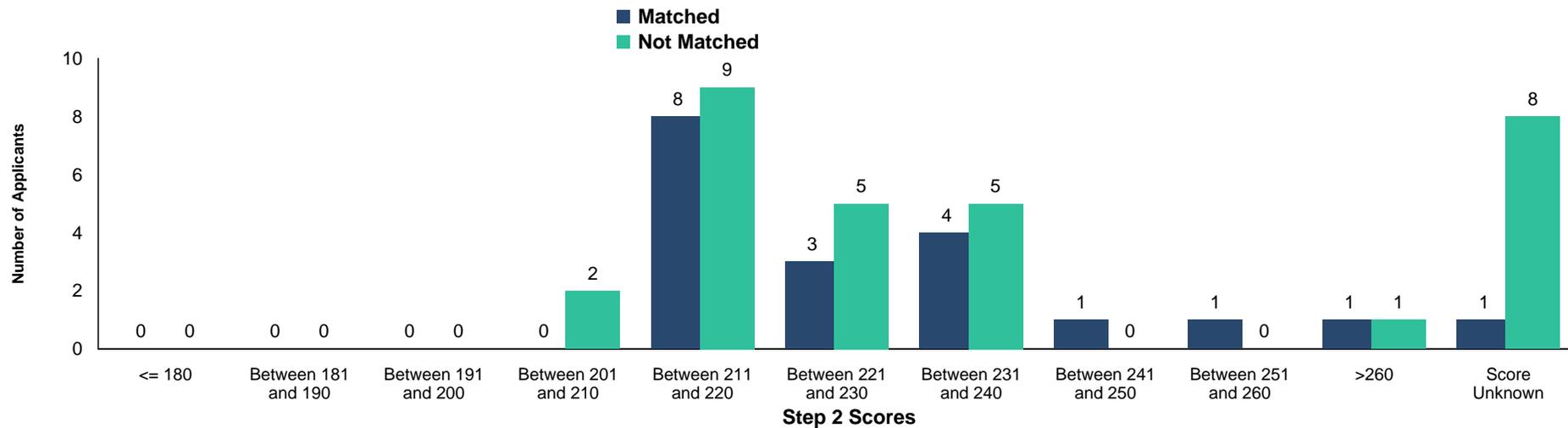


Source: NRMP Data Warehouse. Note: Probabilities calculated based on 2018-2020 applicants.

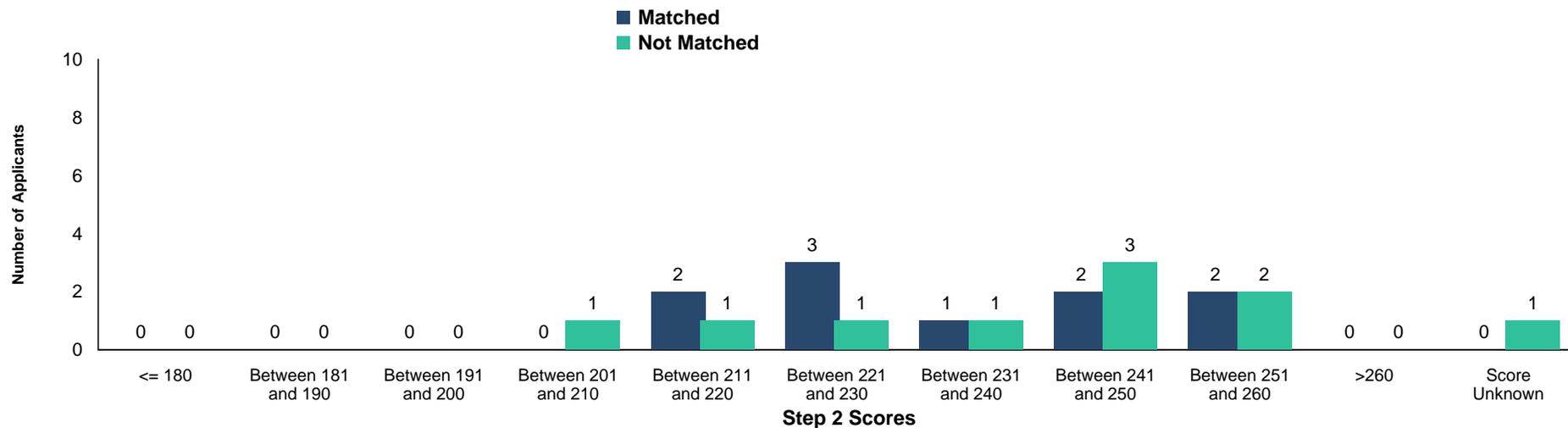
**Chart  
PM-4**

**USMLE Step 2 CK Scores of International Medical Graduates  
Physical Medicine and Rehabilitation**

**U.S. IMGs**



**Non-U.S. IMGs**

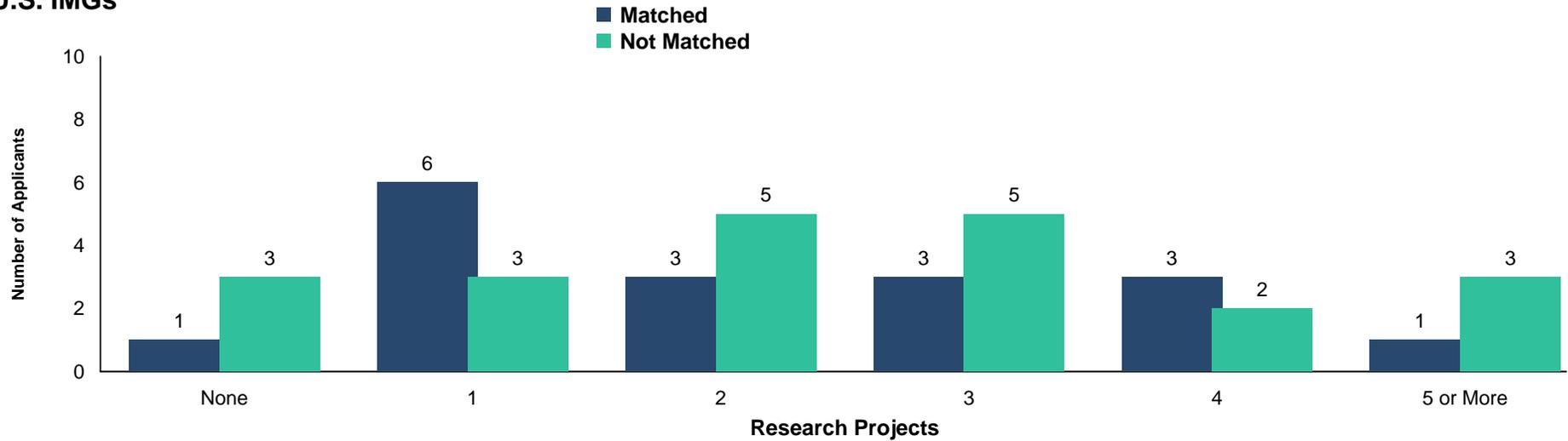


Source: NRMP Data Warehouse

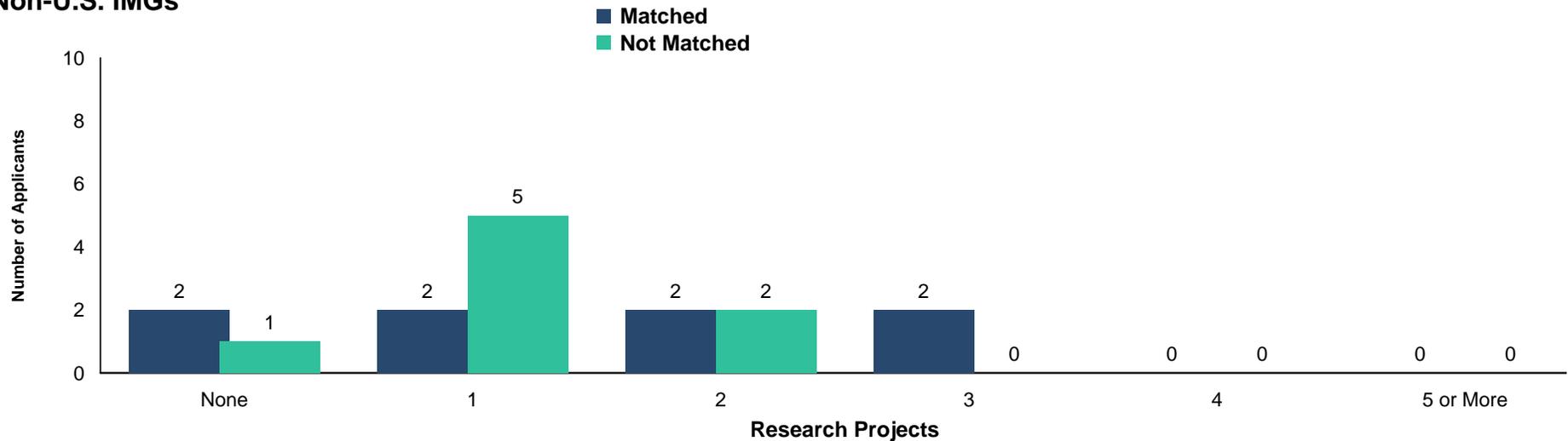
**Chart  
PM-5**

**Number of Research Projects of International Medical Graduates  
Physical Medicine and Rehabilitation**

**U.S. IMGs**



**Non-U.S. IMGs**

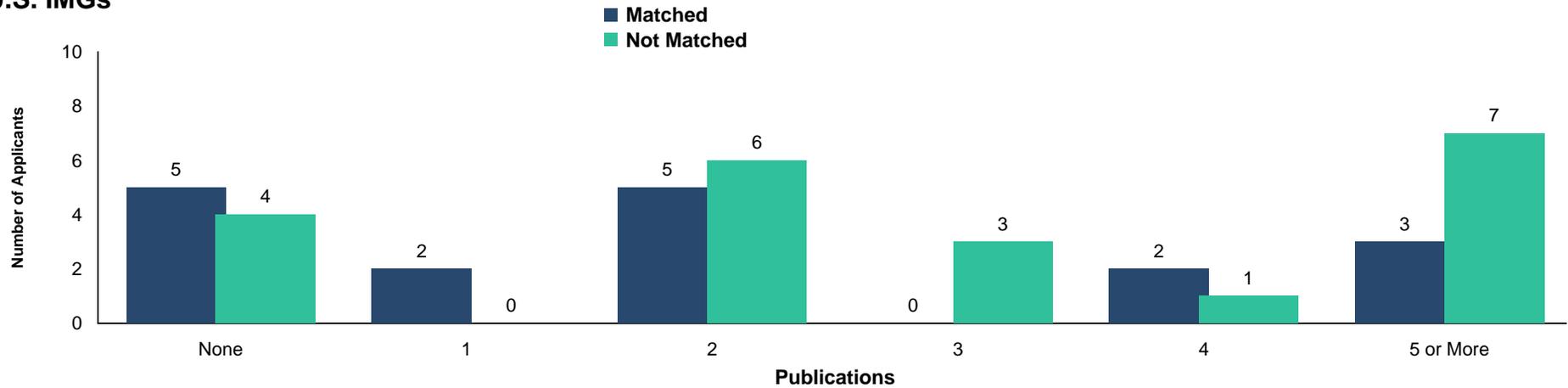


Source: NRMP Data Warehouse

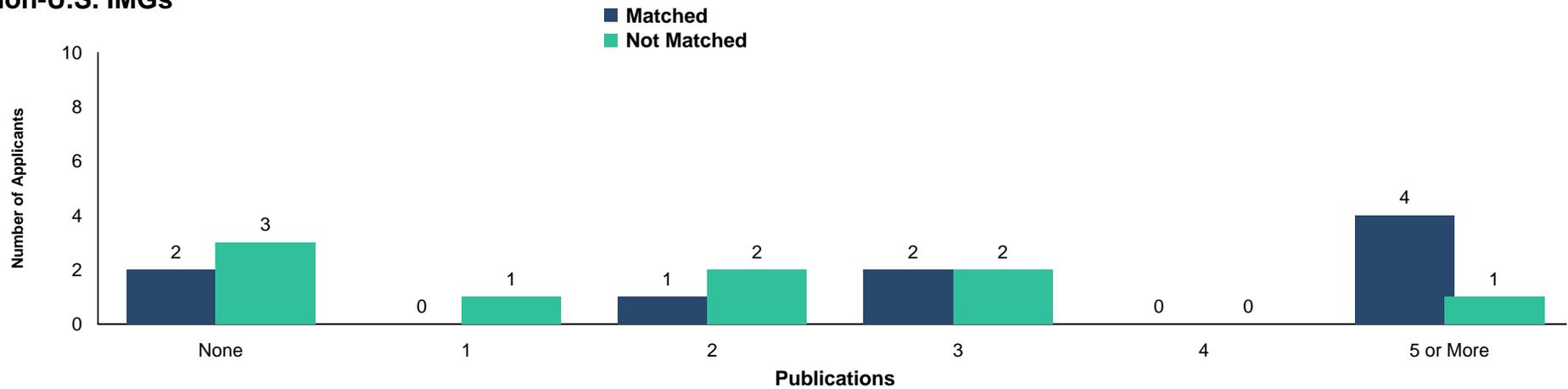
**Chart  
PM-6**

**Number of Abstracts, Presentations, and Publications of International Medical Graduates  
Physical Medicine and Rehabilitation**

**U.S. IMGs**



**Non-U.S. IMGs**

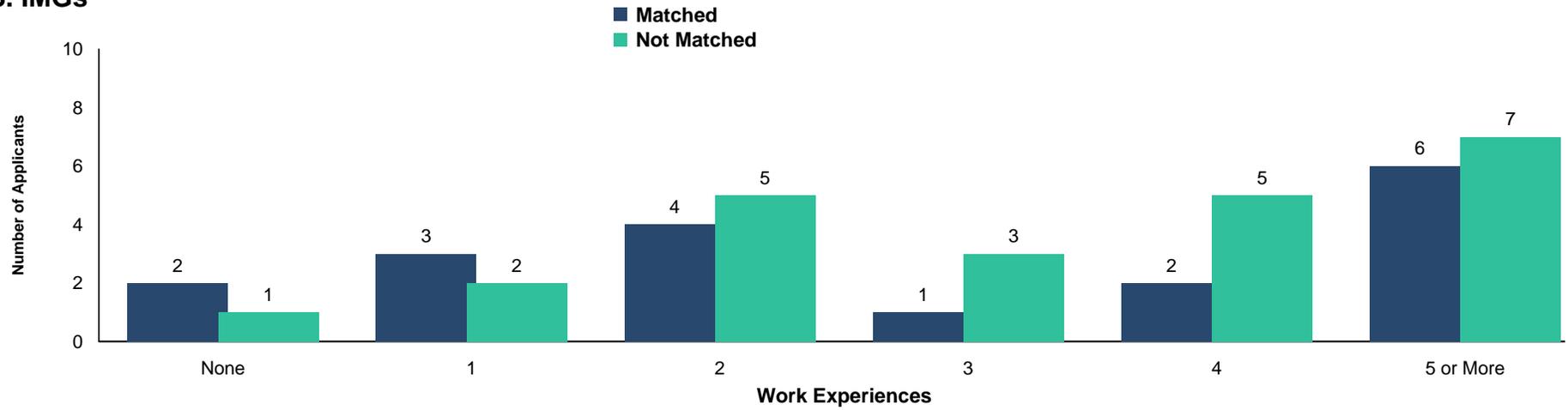


Source: NRMP Data Warehouse

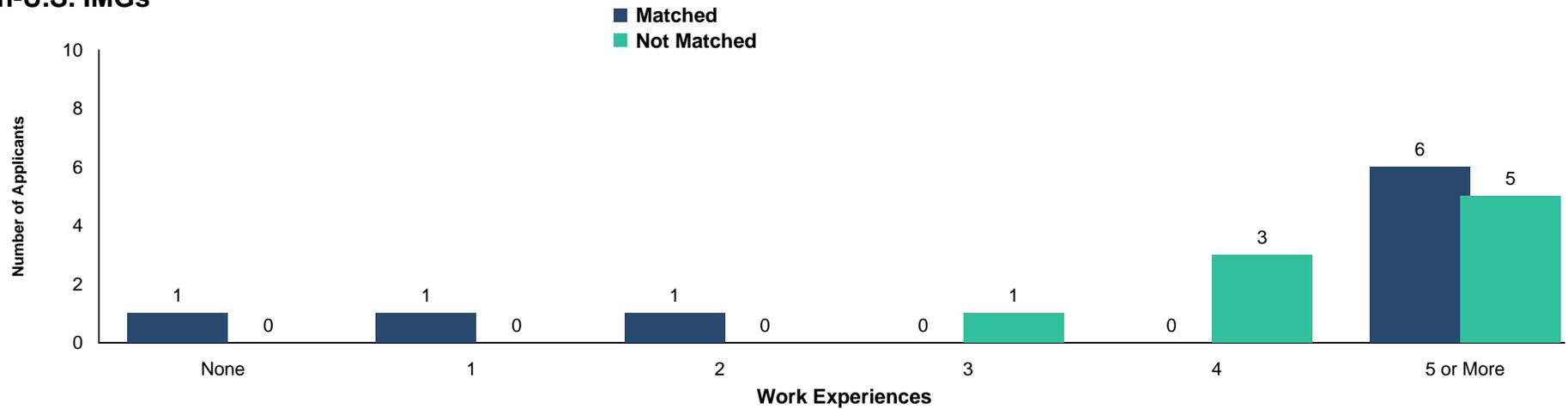
**Chart  
PM-7**

**Number of Work Experiences of International Medical Graduates  
Physical Medicine and Rehabilitation**

**U.S. IMGs**



**Non-U.S. IMGs**



Source: NRMP Data Warehouse

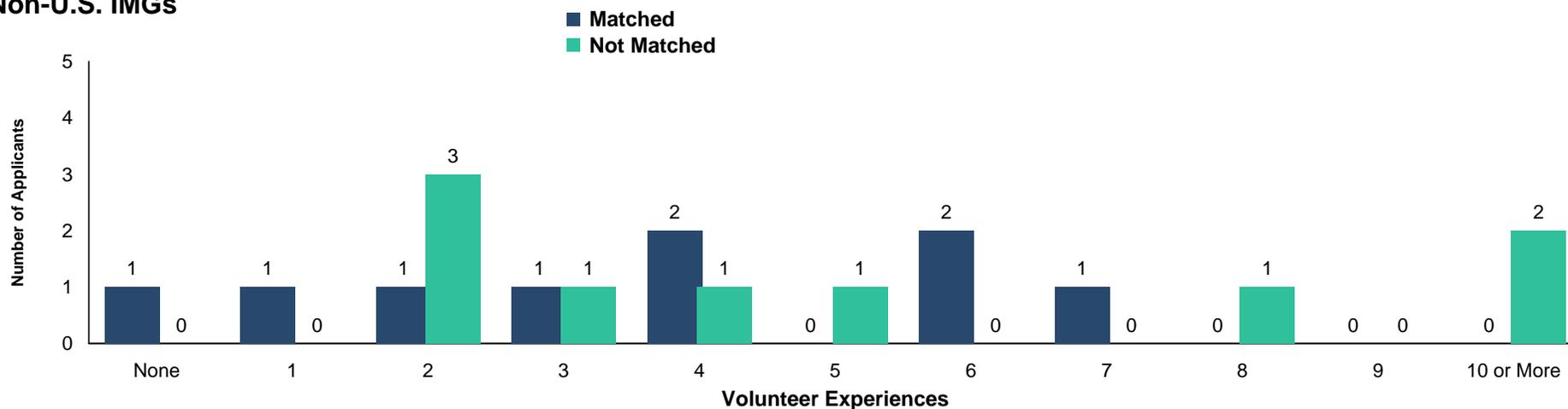
**Chart  
PM-8**

**Number of Volunteer Experiences of International Medical Graduates  
Physical Medicine and Rehabilitation**

**U.S. IMGs**



**Non-U.S. IMGs**

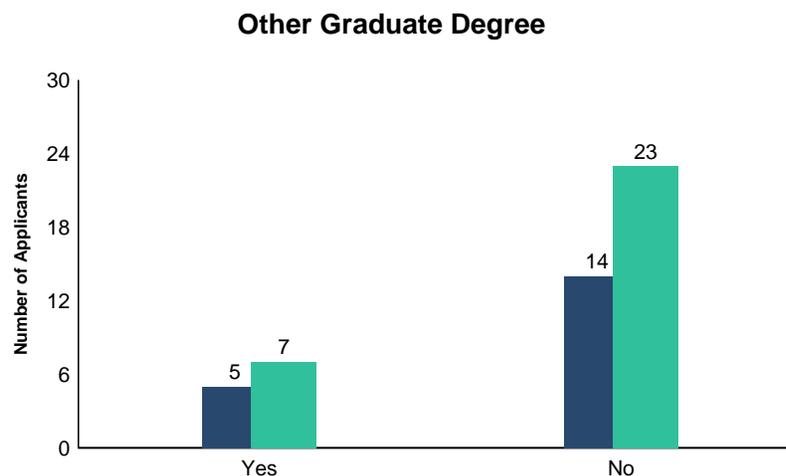
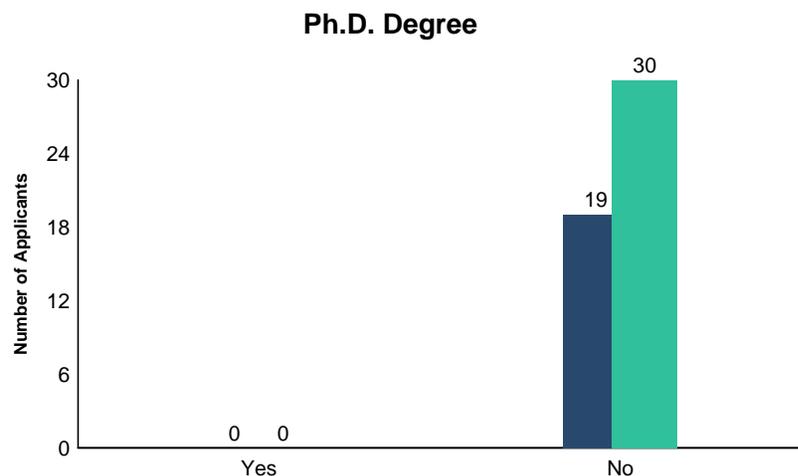


Source: NRMP Data Warehouse

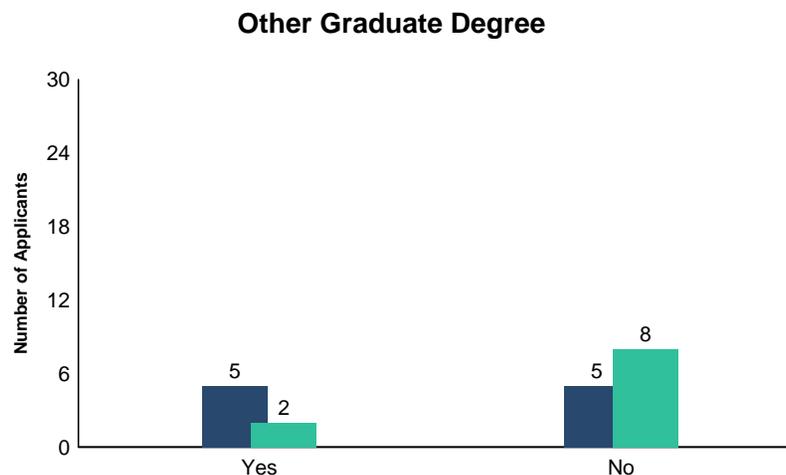
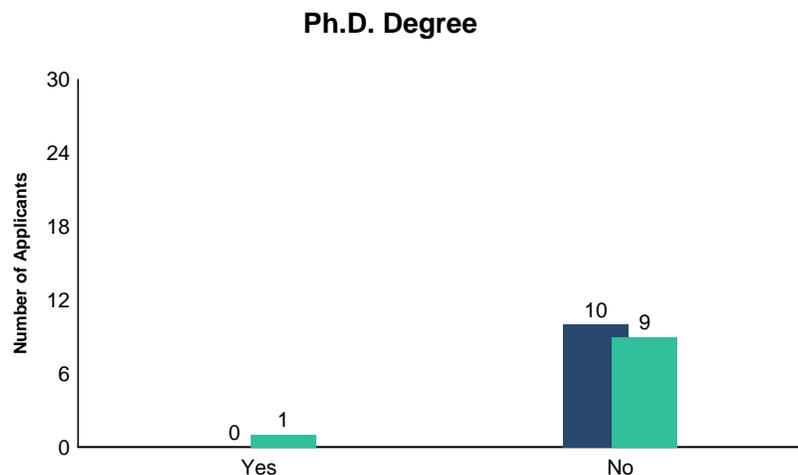
**Chart  
PM-9**

**Other Characteristics of International Medical Graduates**  
*Physical Medicine and Rehabilitation*

**U.S. IMGs**



**Non-U.S. IMGs**



Source: NRMP Data Warehouse

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**PS** Plastic Surgery

**Table** **Summary Statistics**  
**PS-1** *Plastic Surgery*

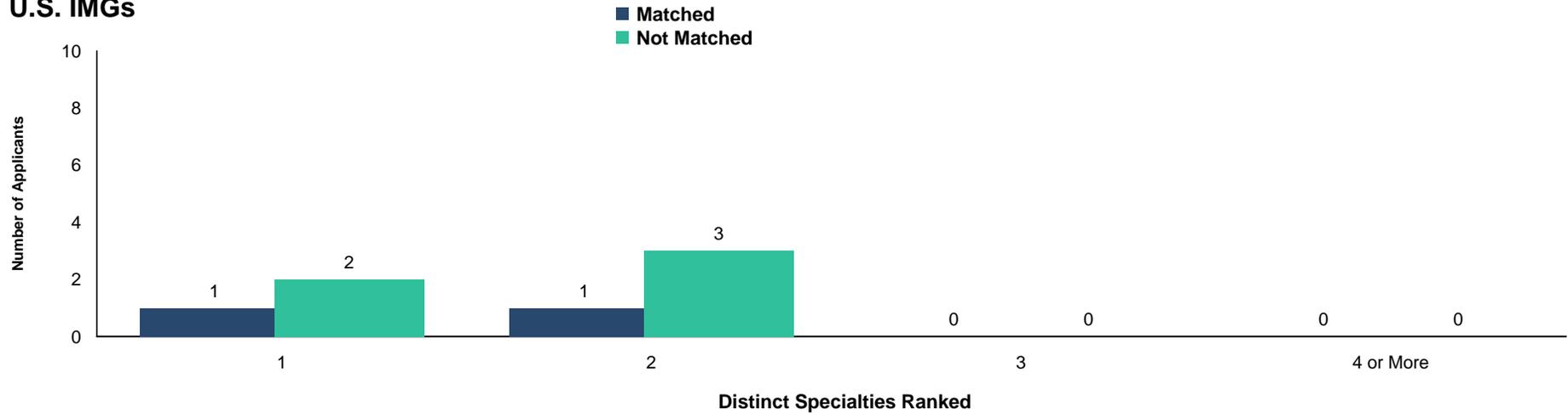
Measure	U.S. IMGs		Non-U.S. IMGs	
	Matched (n=2)	Unmatched (n=5)	Matched (n=5)	Unmatched (n=12)
1. Mean number of contiguous ranks	5.5	1.8	5.2	3.5
2. Mean number of distinct specialties ranked	1.5	1.6	1.4	1.8
3. Mean USMLE Step 1 score	246	242	245	235
4. Mean USMLE Step 2 score	250	247	244	240
5. Mean number of research experiences	5.5	5.3	3.3	4.1
6. Mean number of abstracts, presentations, and publications	39.5	15.0	59.8	35.4
7. Mean number of work experiences	8.0	5.3	8.3	7.2
8. Mean number of volunteer experiences	7.0	5.5	6.3	6.4
9. Percentage who have a Ph.D. degree	0.0	0.0	0.0	0.0
10. Percentage who have another graduate degree	0.0	20.0	25.0	30.0

Note: Only applicants who gave consent to use their information in research are included.  
Source: NRMP Data Warehouse

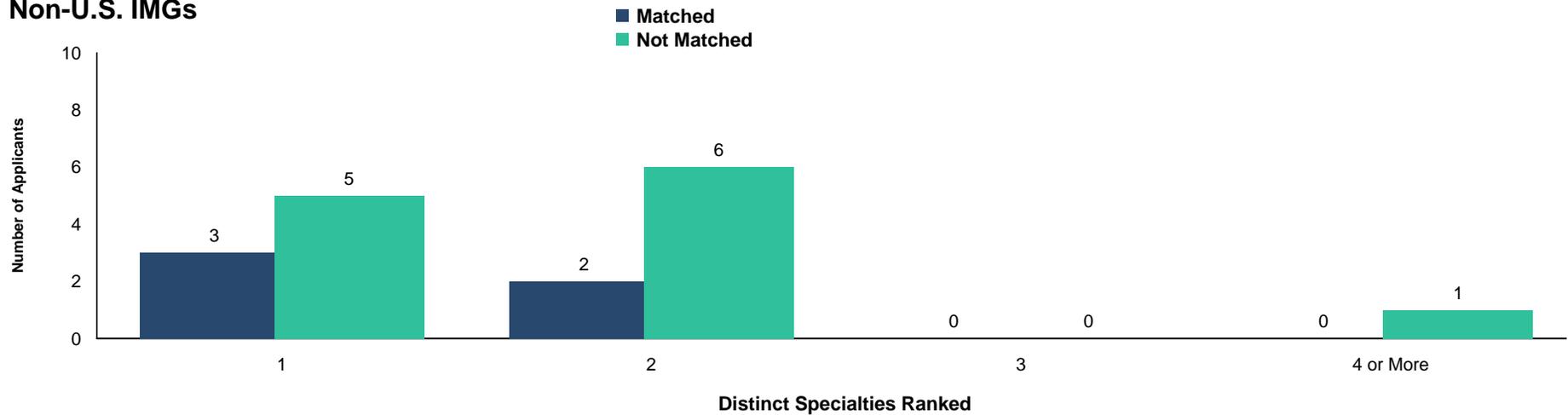
**Chart  
PS-1**

**Number of Distinct Specialties Ranked by International Medical Graduates  
Plastic Surgery**

**U.S. IMGs**



**Non-U.S. IMGs**

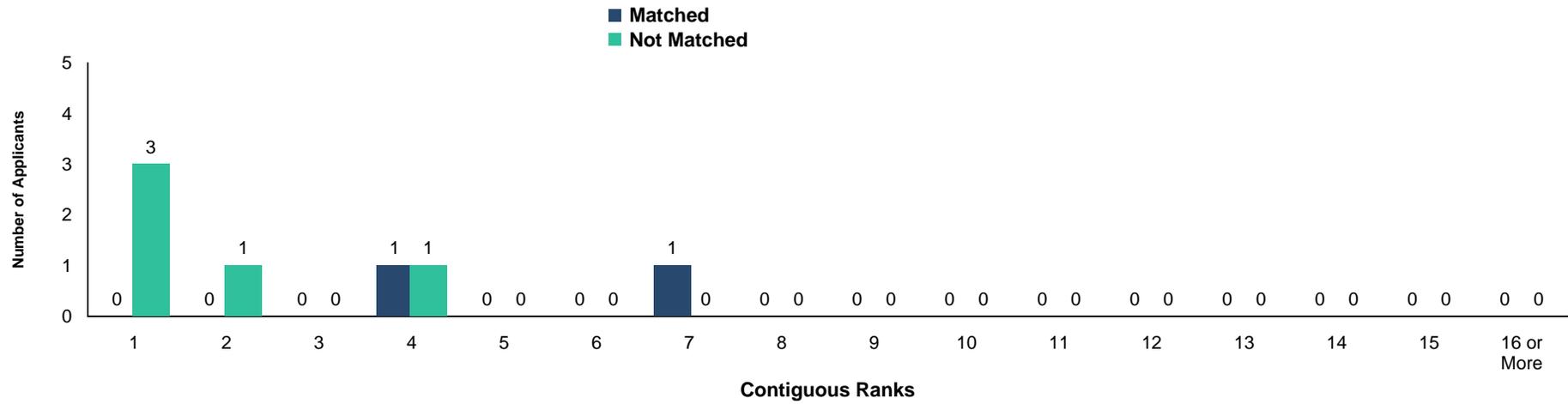


Source: NRMP Data Warehouse

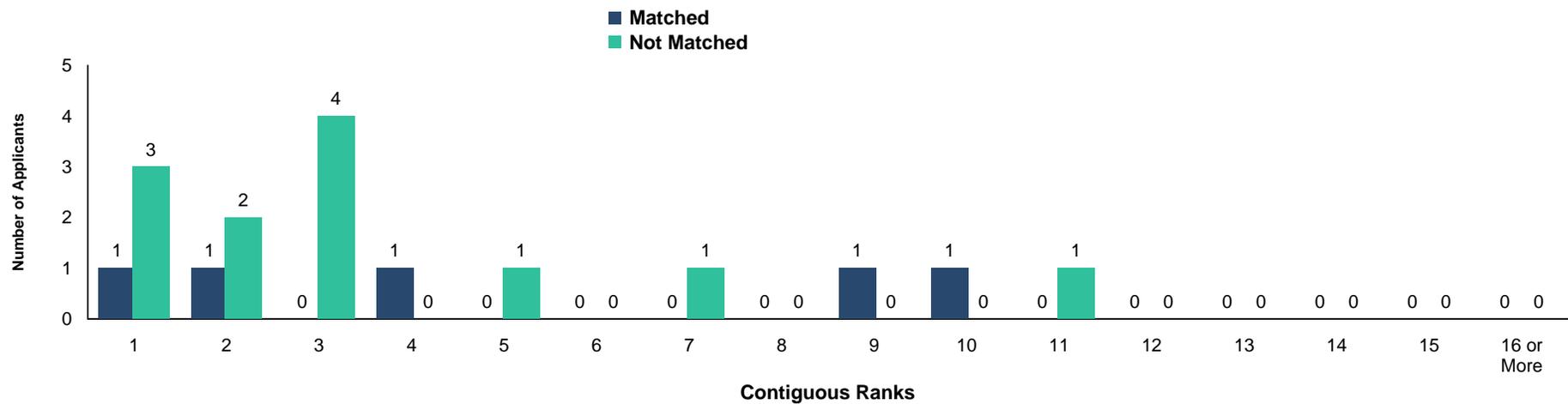
**Chart  
PS-2**

**Number of Contiguous Ranks of International Medical Graduates  
Plastic Surgery**

**U.S. IMGs**



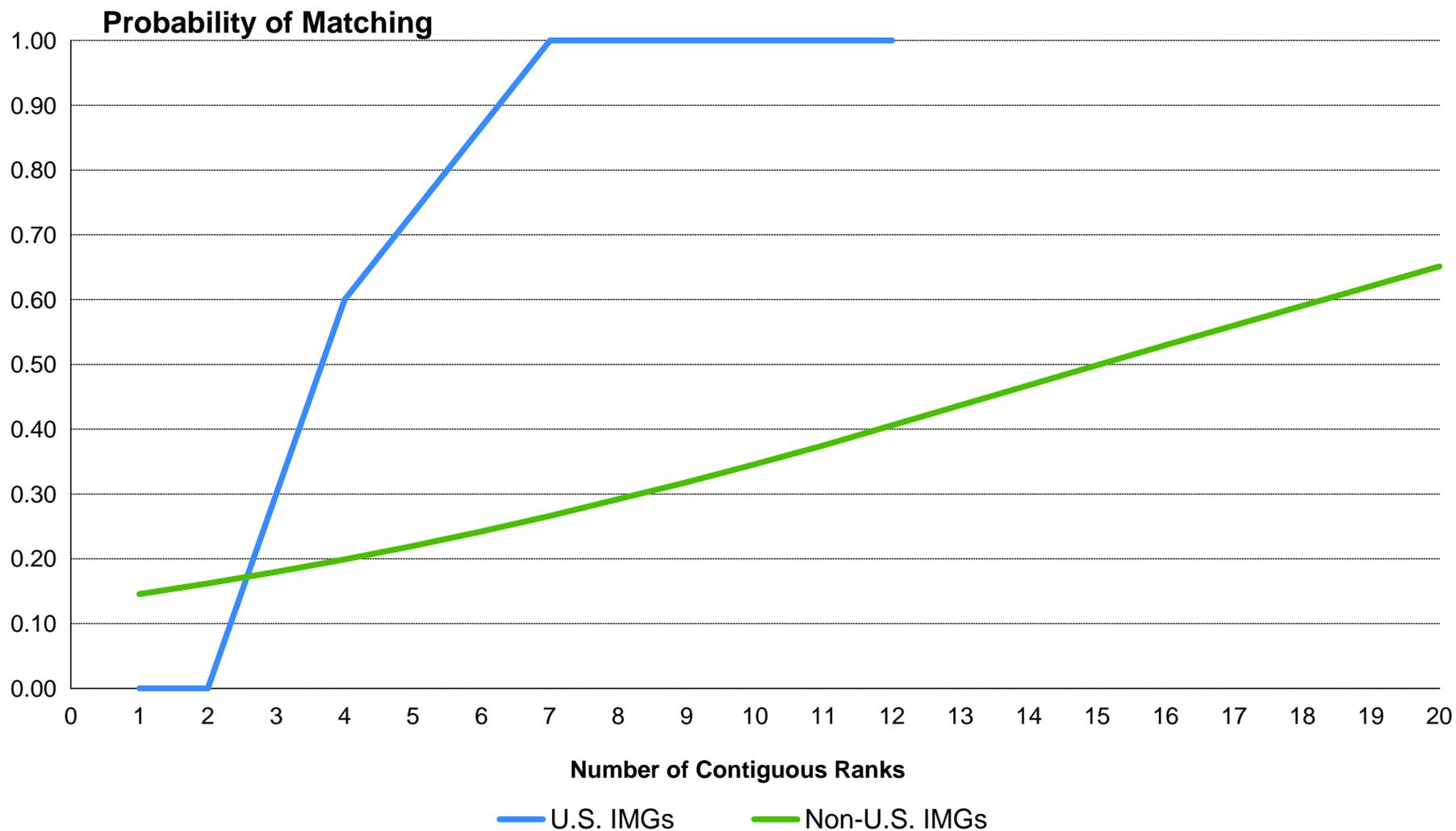
**Non-U.S. IMGs**



Source: NRMP Data Warehouse

**Graph  
PS-1**

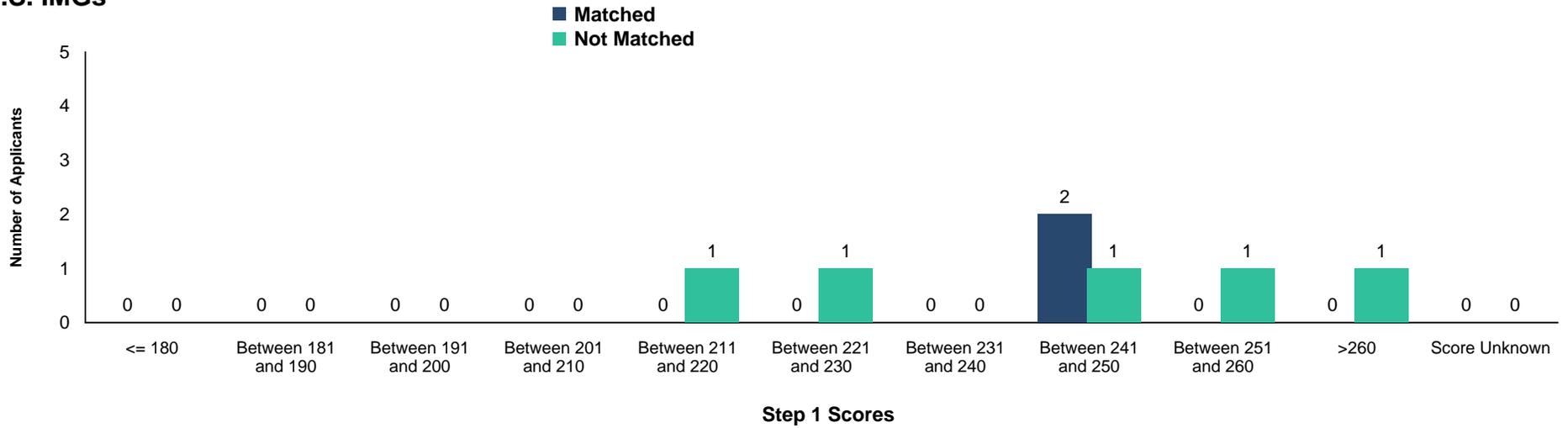
**Probability of International Medical Graduates Matching to Preferred Specialty by Number of Contiguous Ranks**  
*Plastic Surgery*



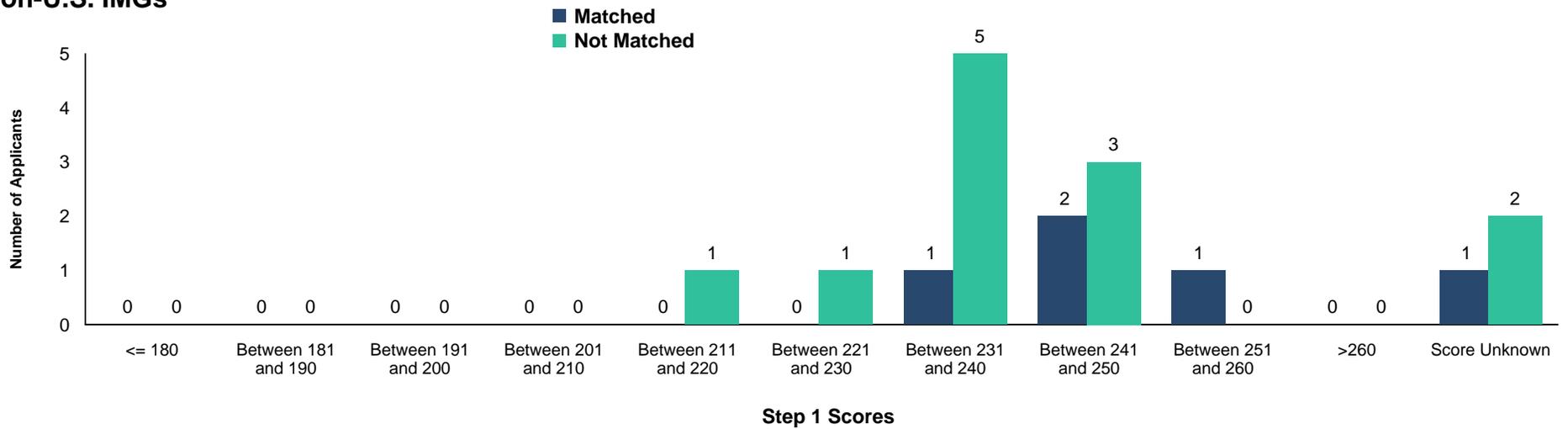
Source: NRMP Data Warehouse. Note: Probabilities calculated based on 2018-2020 applicants

# USMLE Step 1 Scores of International Medical Graduates *Plastic Surgery*

## U.S. IMGs



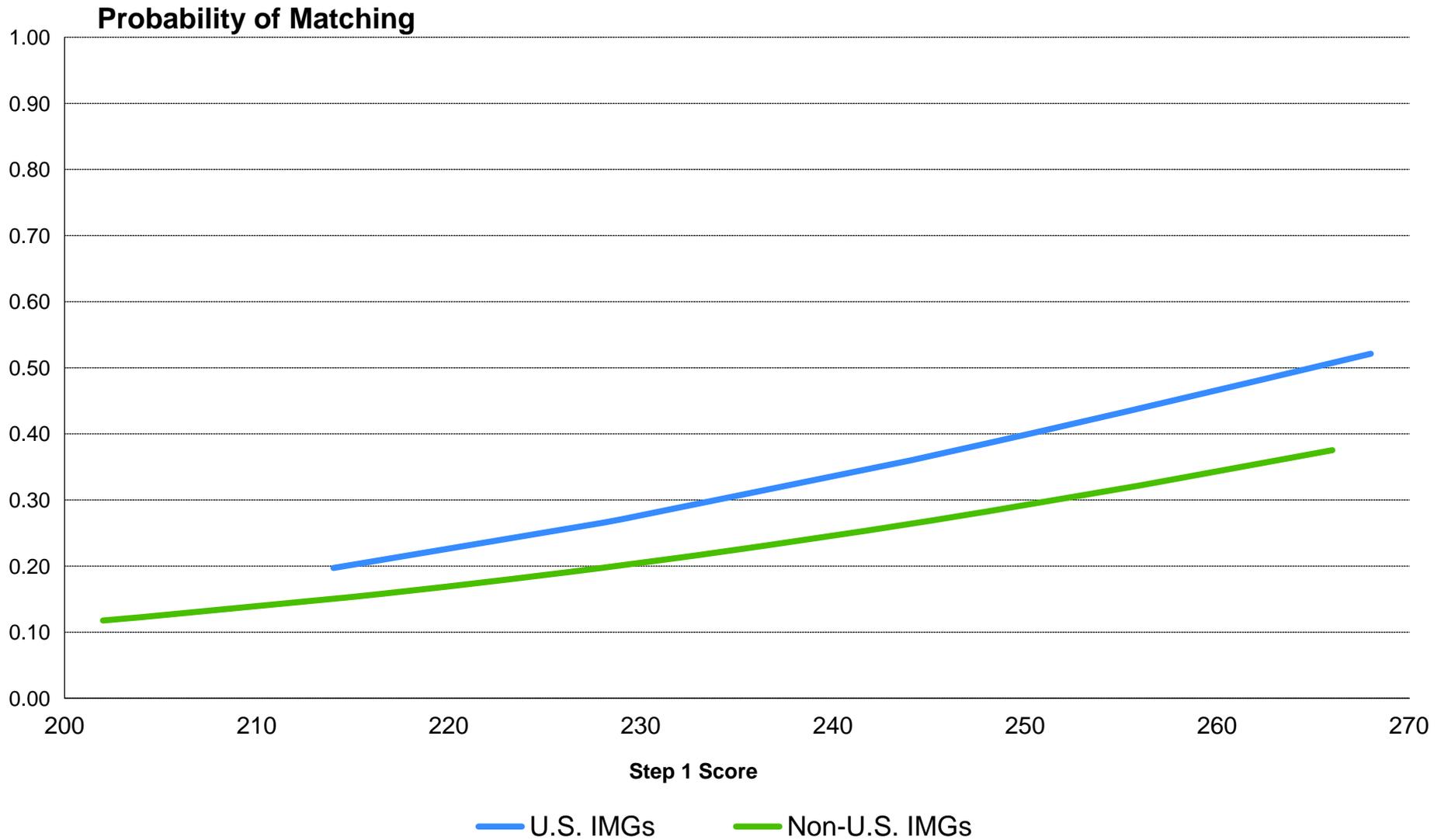
## Non-U.S. IMGs



Source: NRMP Data Warehouse

# Probability of International Medical Graduates Matching to Preferred Specialty by USMLE Step 1 Score

## Plastic Surgery

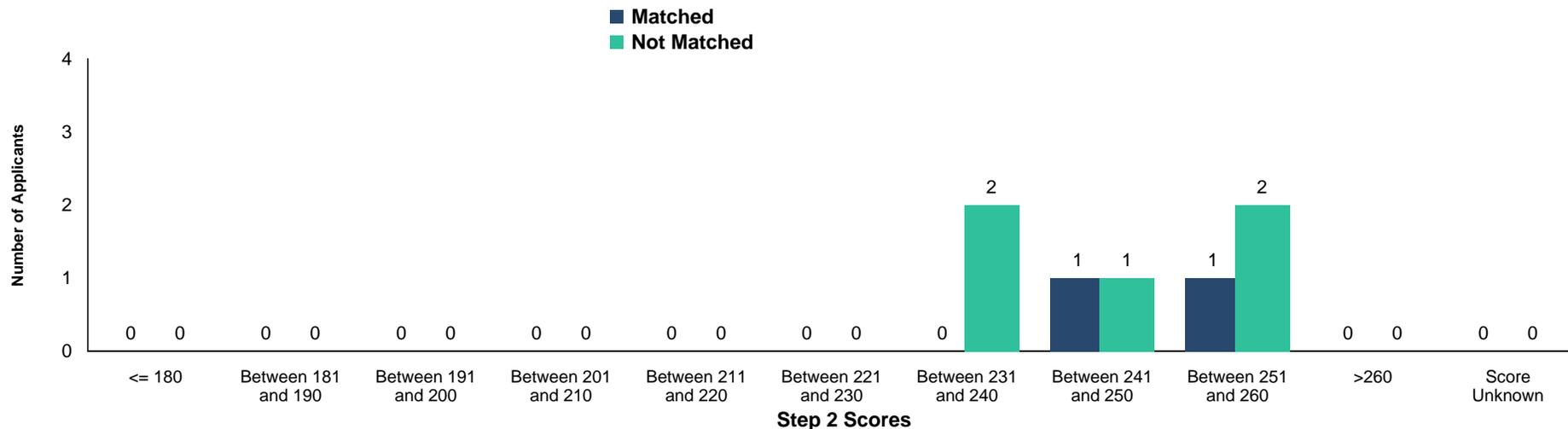


Source: NRMP Data Warehouse. Note: Probabilities calculated based on 2018-2020 applicants.

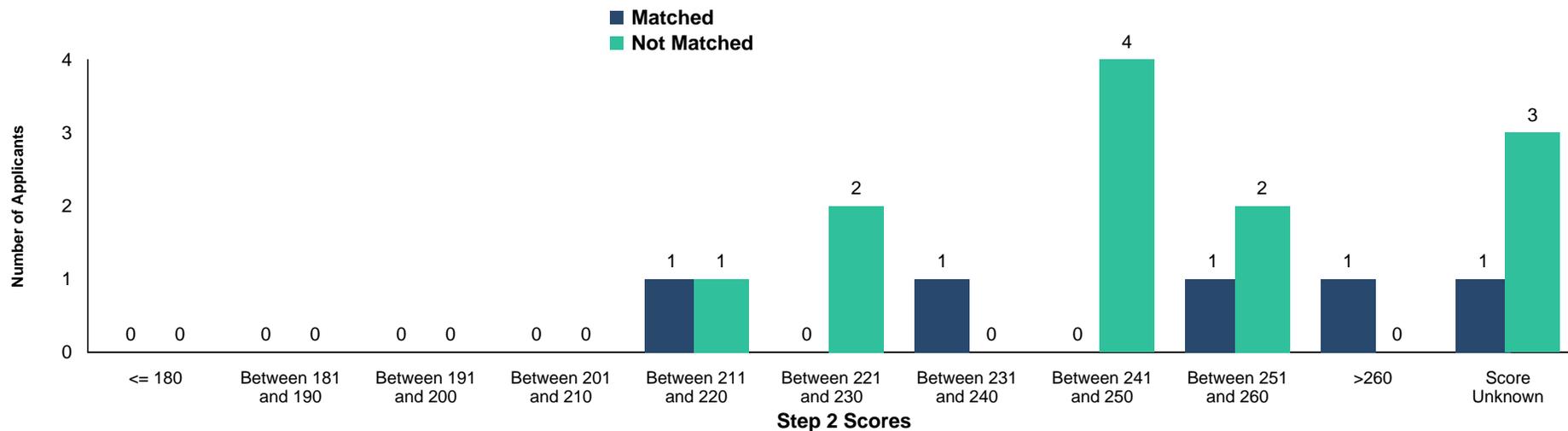
**Chart  
PS-4**

**USMLE Step 2 CK Scores of International Medical Graduates  
Plastic Surgery**

**U.S. IMGs**



**Non-U.S. IMGs**

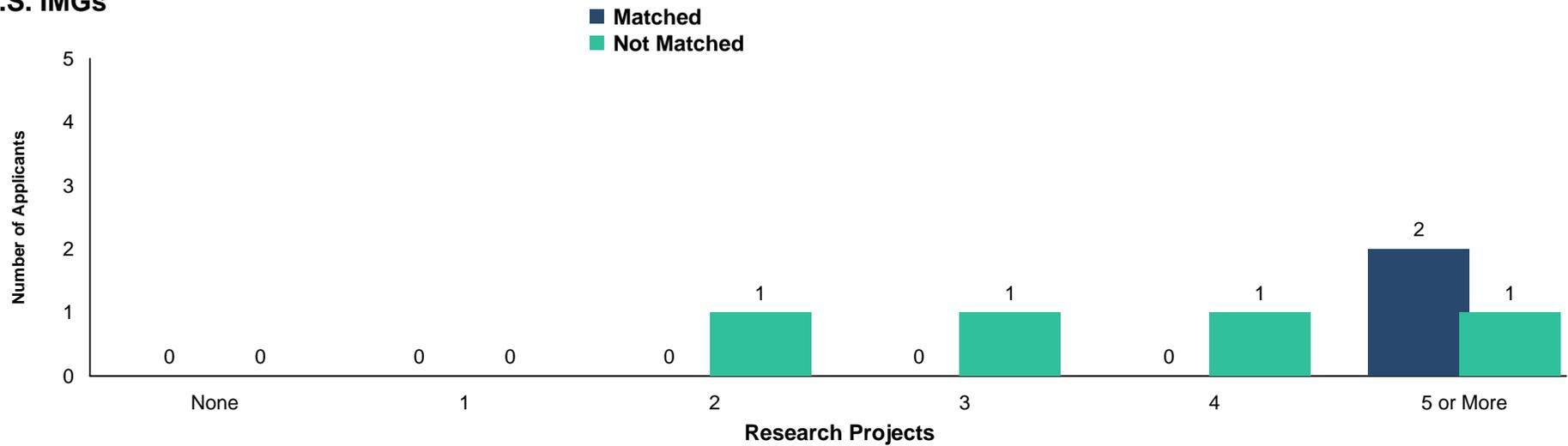


Source: NRMP Data Warehouse

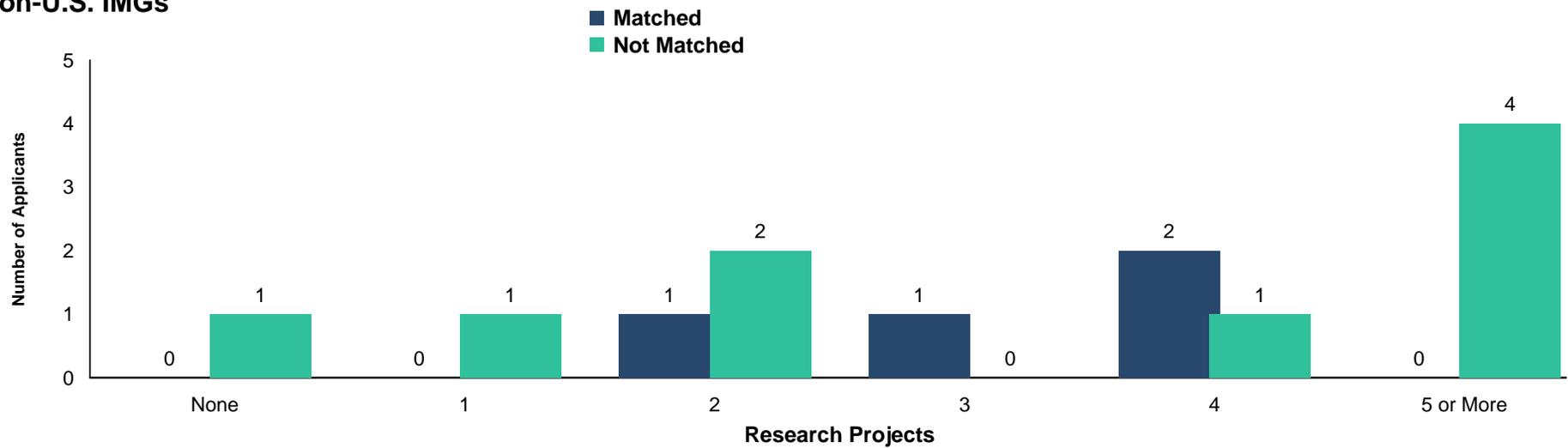
**Chart  
PS-5**

**Number of Research Projects of International Medical Graduates  
Plastic Surgery**

**U.S. IMGs**



**Non-U.S. IMGs**

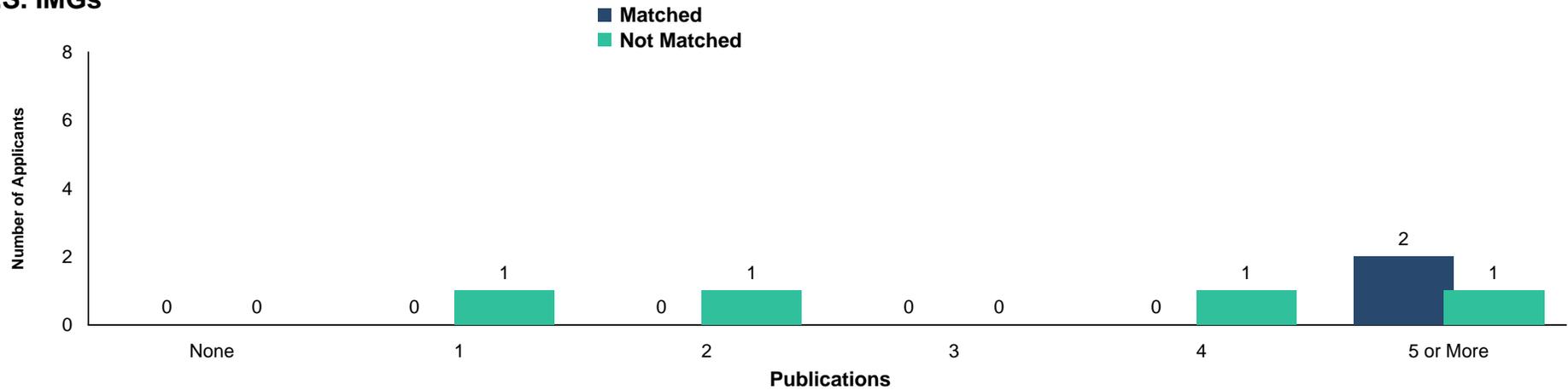


Source: NRMP Data Warehouse

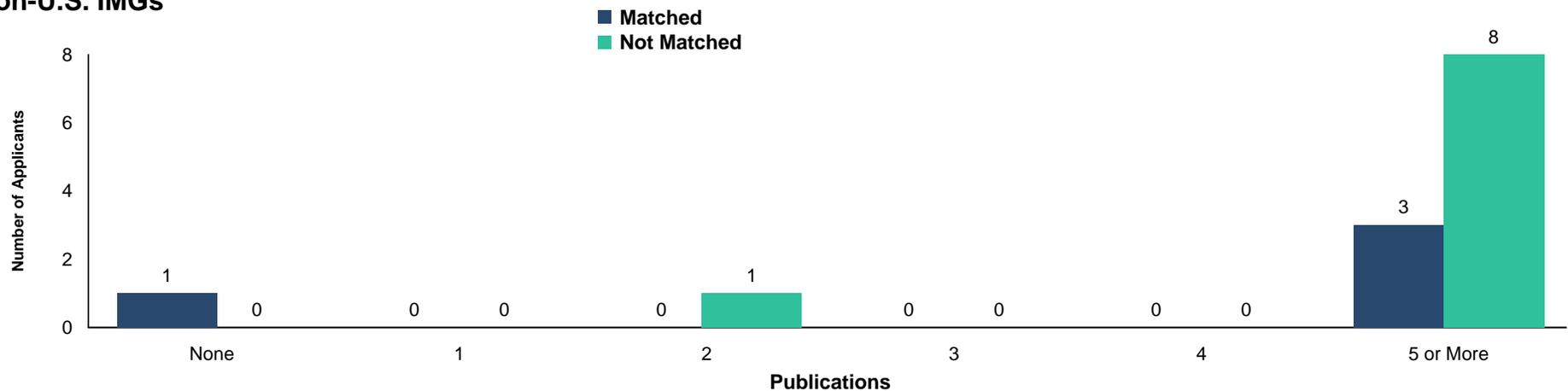
**Chart  
PS-6**

**Number of Abstracts, Presentations, and Publications of International Medical Graduates  
Plastic Surgery**

**U.S. IMGs**



**Non-U.S. IMGs**

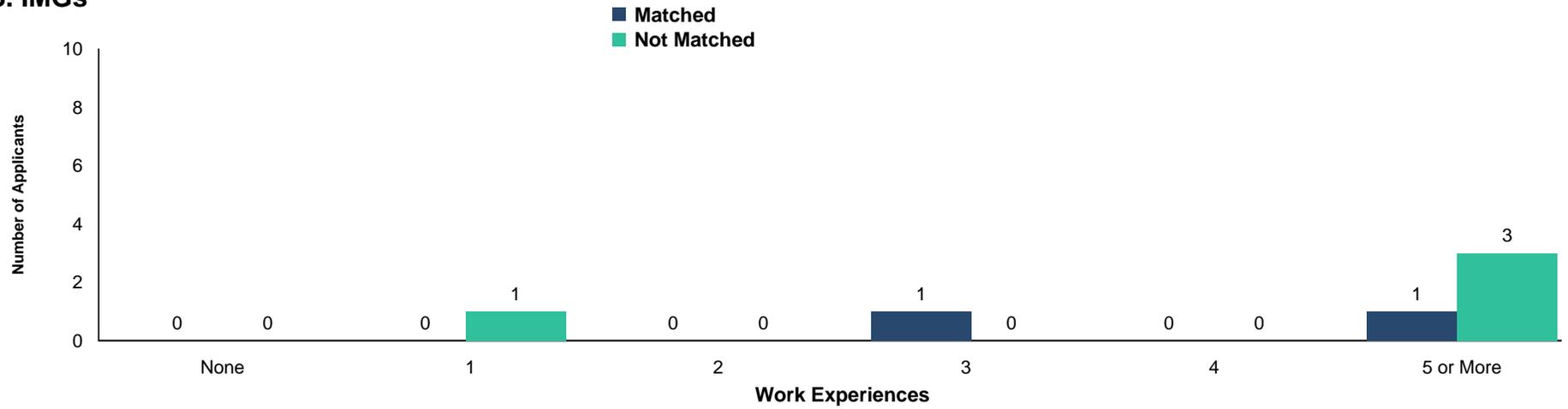


Source: NRMP Data Warehouse

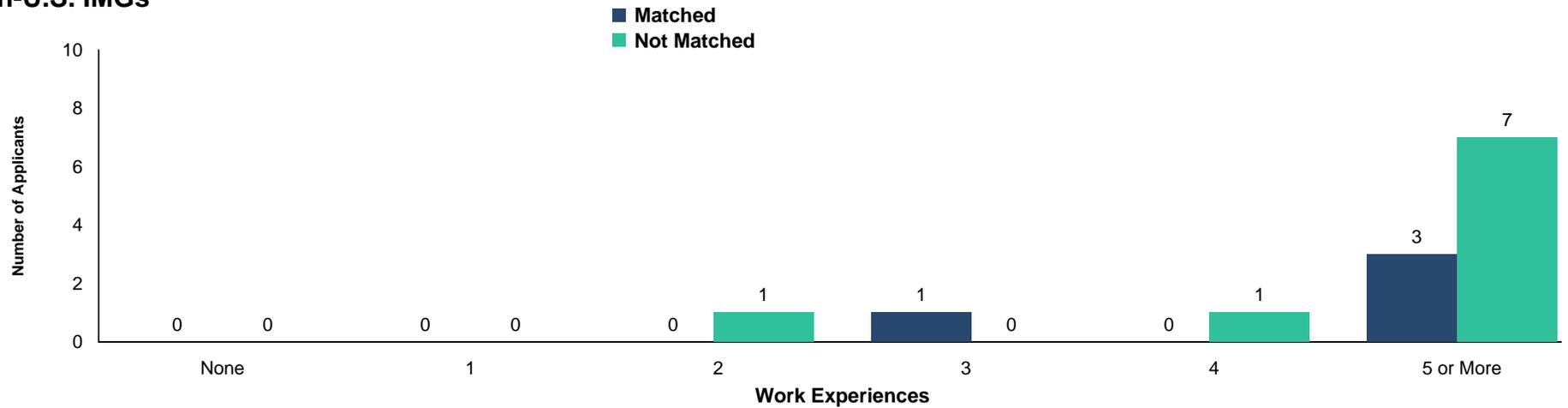
**Chart  
PS-7**

**Number of Work Experiences of International Medical Graduates  
Plastic Surgery**

**U.S. IMGs**



**Non-U.S. IMGs**

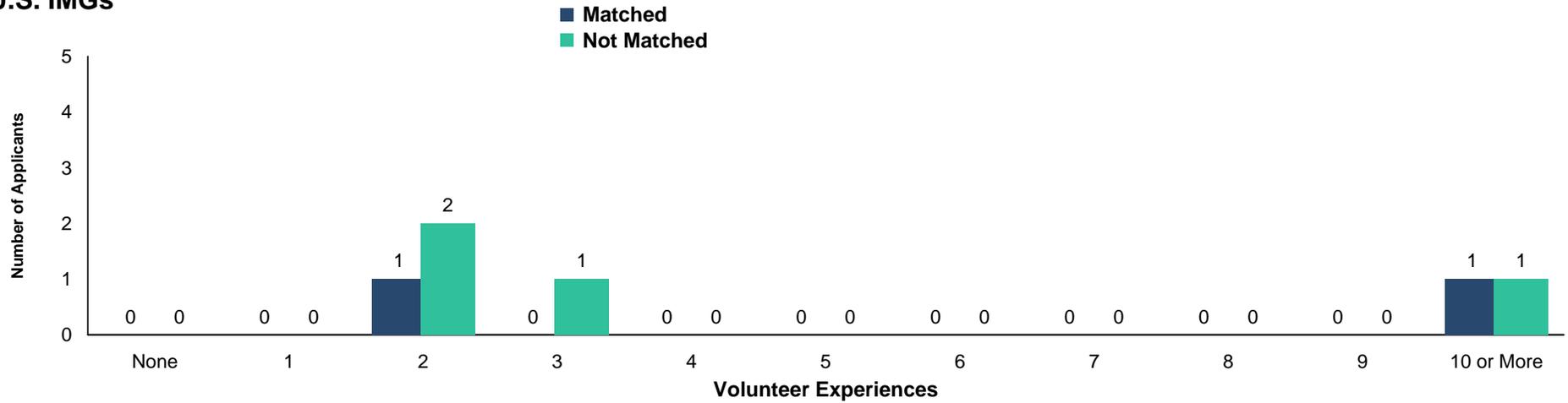


Source: NRMP Data Warehouse

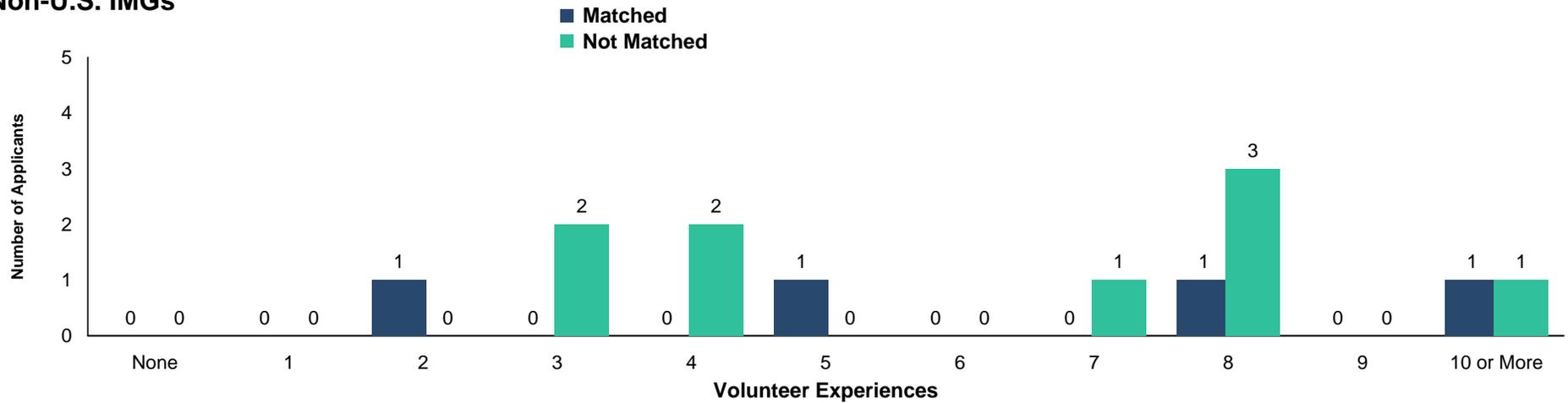
**Chart  
PS-8**

**Number of Volunteer Experiences of International Medical Graduates  
Plastic Surgery**

**U.S. IMGs**



**Non-U.S. IMGs**

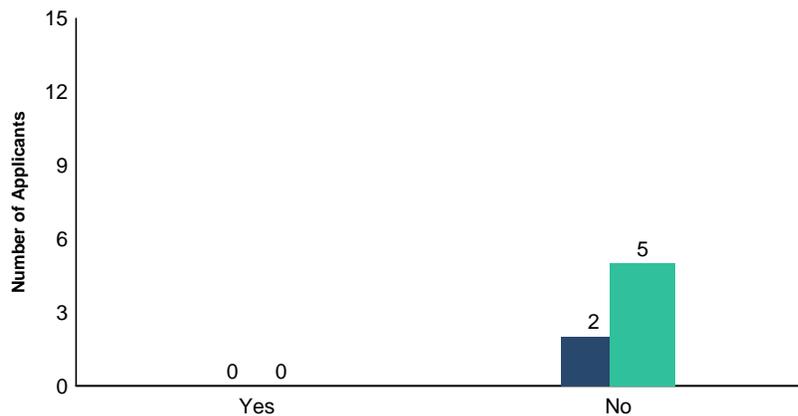


Source: NRMP Data Warehouse

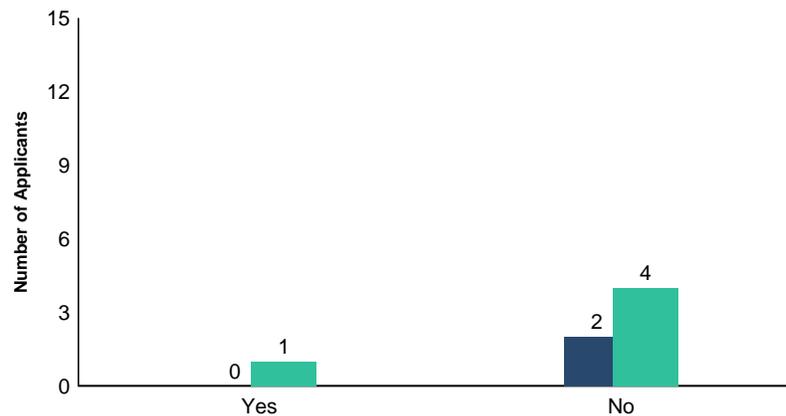
**Chart  
PS-9**

**Other Characteristics of International Medical Graduates  
Plastic Surgery**

**Ph.D. Degree**

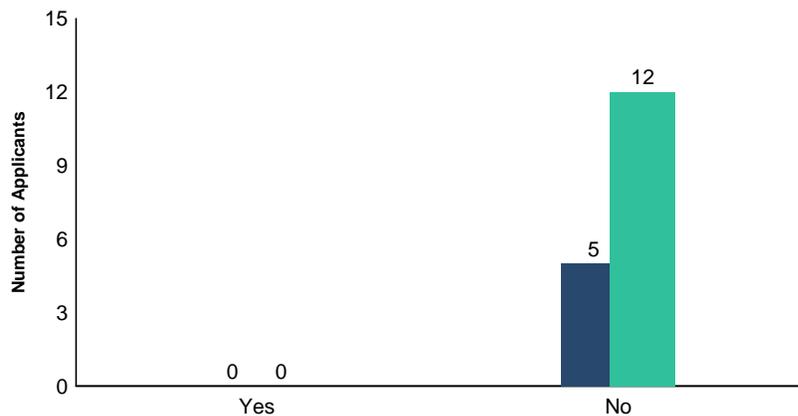


**Other Graduate Degree**

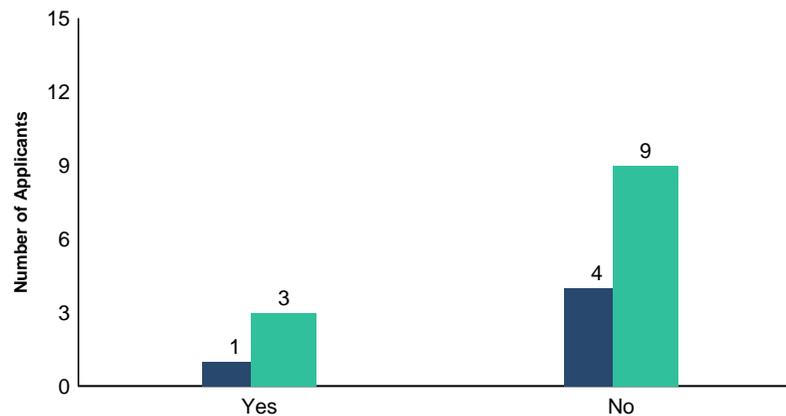


**Non-U.S. IMGs**

**Ph.D. Degree**



**Other Graduate Degree**



Source: NRMP Data Warehouse

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**P** Psychiatry

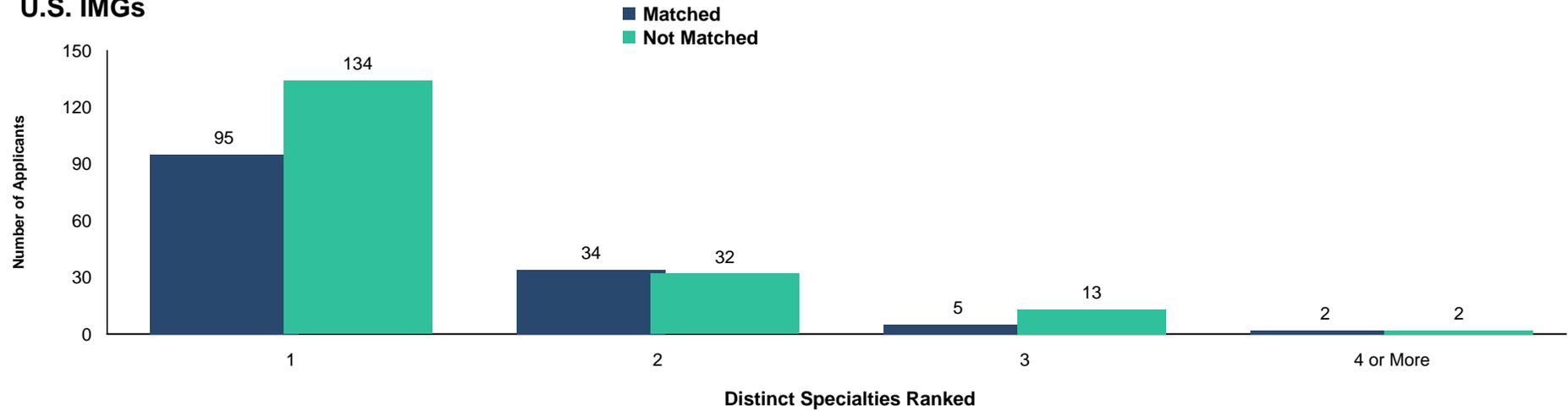
**Table P-1** **Summary Statistics**  
*Psychiatry*

Measure	U.S. IMGs		Non-U.S. IMGs	
	Matched (n=136)	Unmatched (n=182)	Matched (n=107)	Unmatched (n=162)
1. Mean number of contiguous ranks	5.4	2.7	5.8	2.2
2. Mean number of distinct specialties ranked	1.4	1.4	1.3	1.3
3. Mean USMLE Step 1 score	213	208	225	216
4. Mean USMLE Step 2 score	226	219	235	223
5. Mean number of research experiences	2.3	2.2	2.9	2.2
6. Mean number of abstracts, presentations, and publications	3.8	4.9	5.5	4.3
7. Mean number of work experiences	4.8	7.1	6.3	6.5
8. Mean number of volunteer experiences	4.4	4.7	4.2	4.7
9. Percentage who have a Ph.D. degree	2.3	1.9	3.9	1.4
10. Percentage who have another graduate degree	24.0	30.0	26.5	36.8

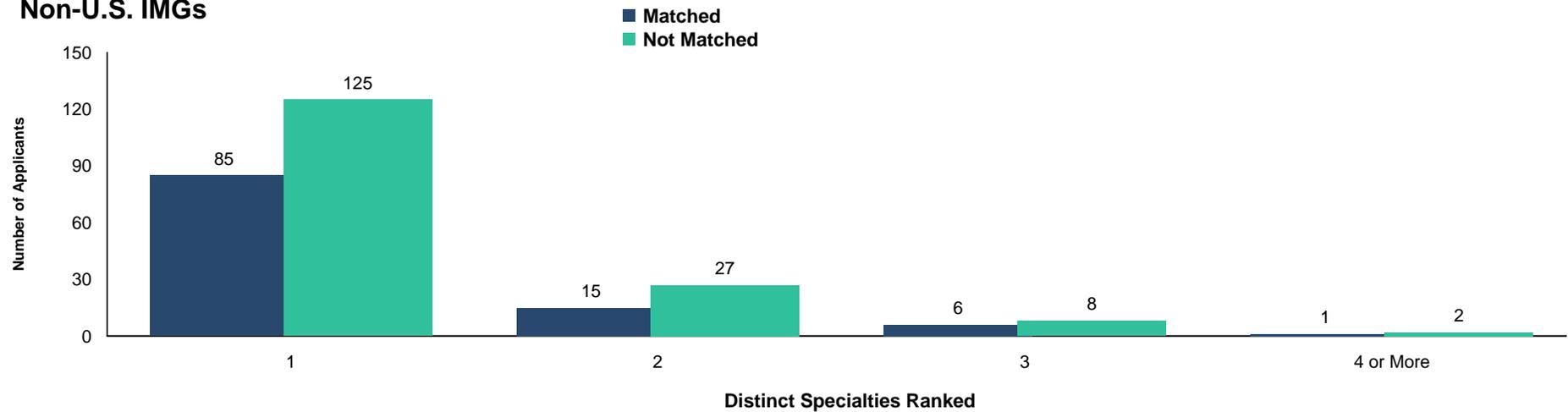
Note: Only applicants who gave consent to use their information in research are included.  
Source: NRMP Data Warehouse

# Number of Distinct Specialties Ranked by International Medical Graduates Psychiatry

## U.S. IMGs



## Non-U.S. IMGs

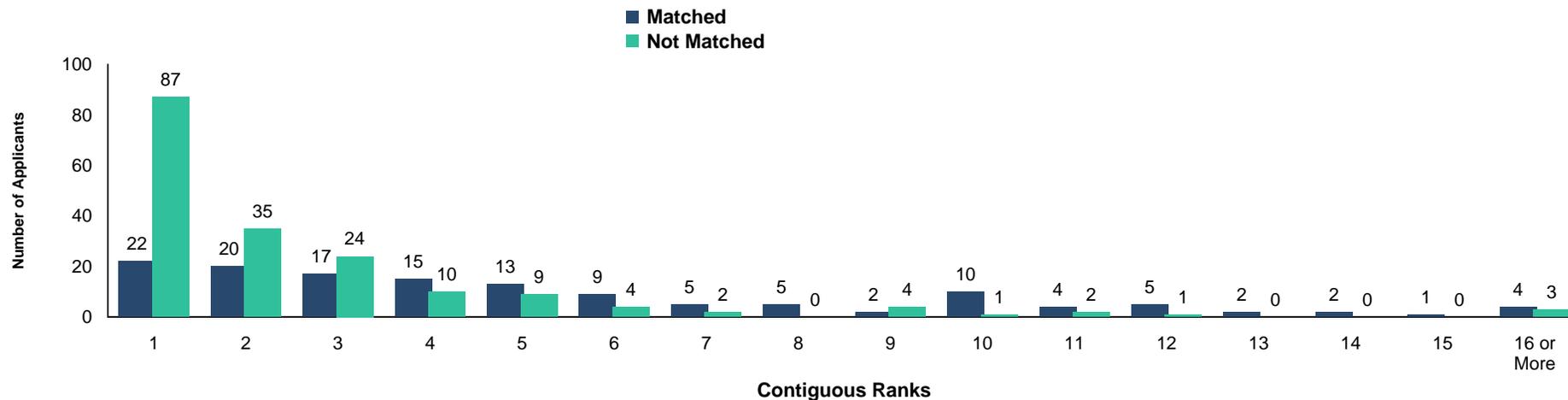


Source: NRMP Data Warehouse

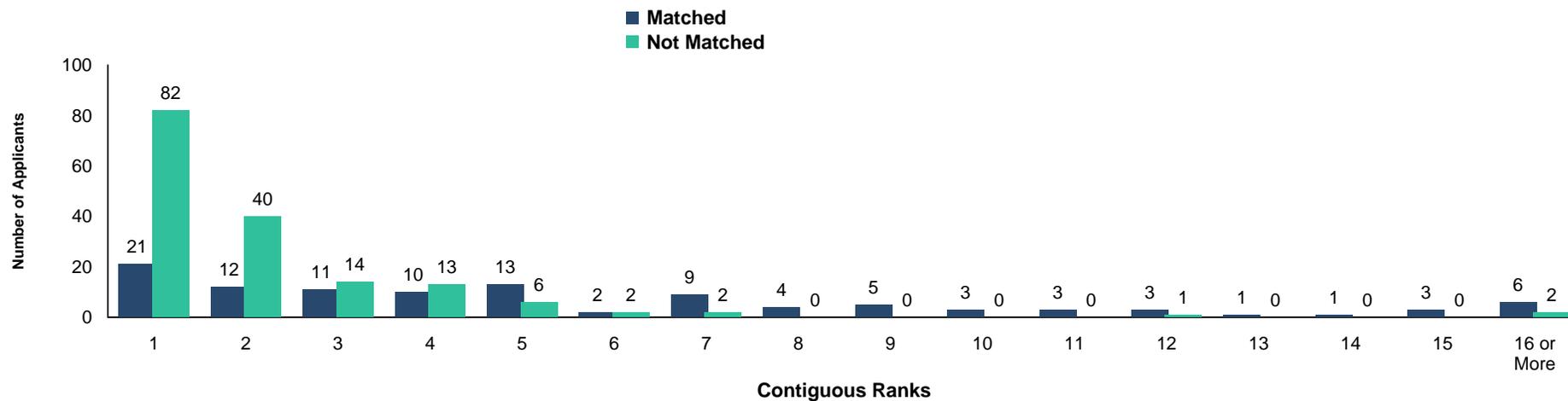
**Chart  
P-2**

**Number of Contiguous Ranks of International Medical Graduates  
Psychiatry**

**U.S. IMGs**



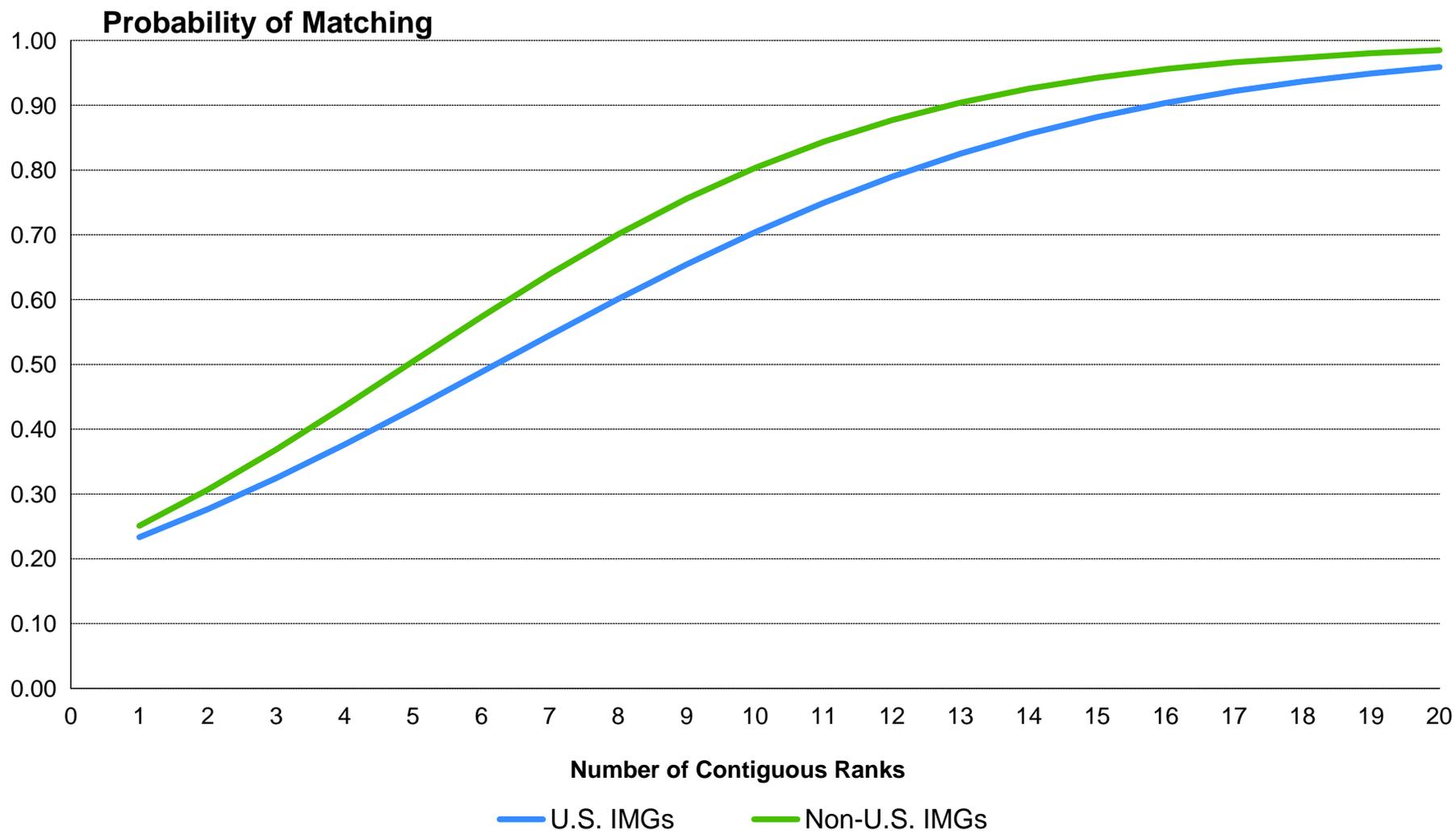
**Non-U.S. IMGs**



Source: NRMP Data Warehouse

**Graph  
P-1**

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

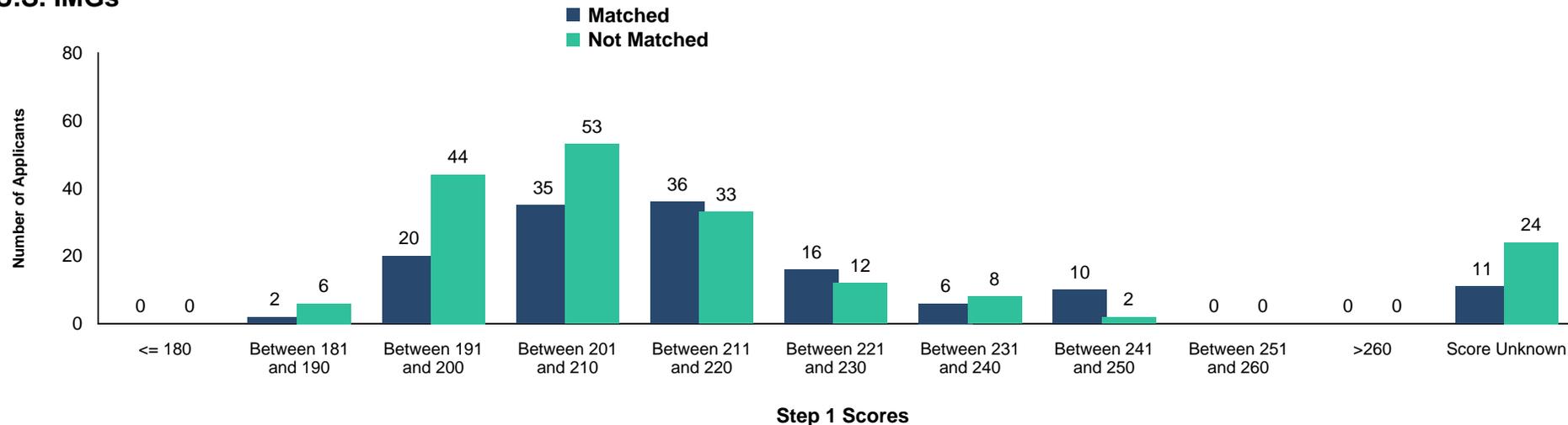


Source: NRMP Data Warehouse. Note: Probabilities calculated based on 2018-2020 applicants

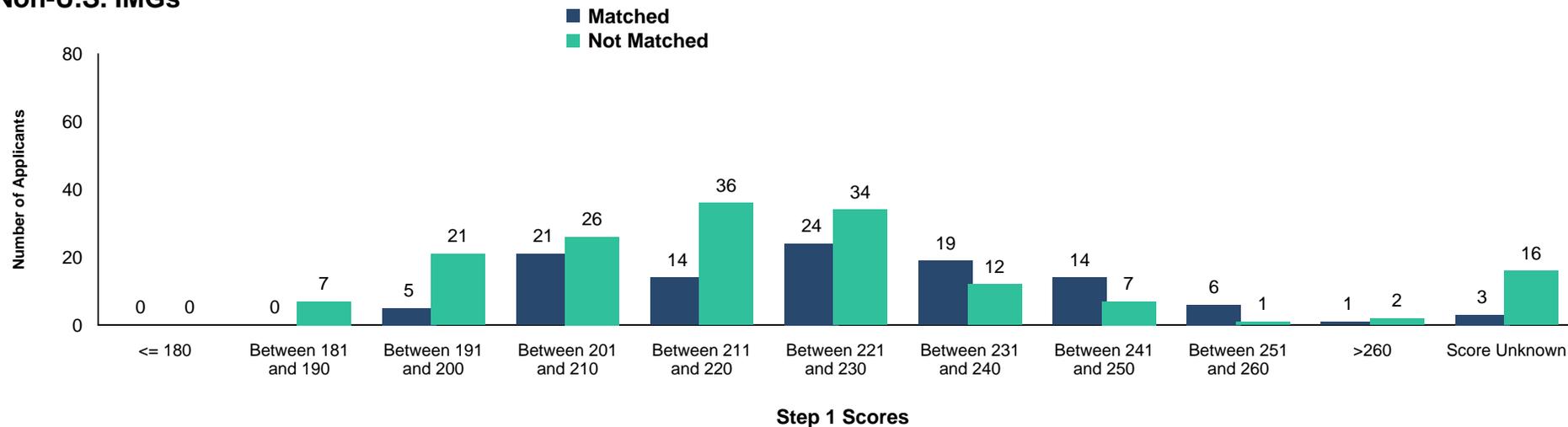
**Chart  
P-3**

**USMLE Step 1 Scores of International Medical Graduates  
Psychiatry**

**U.S. IMGs**



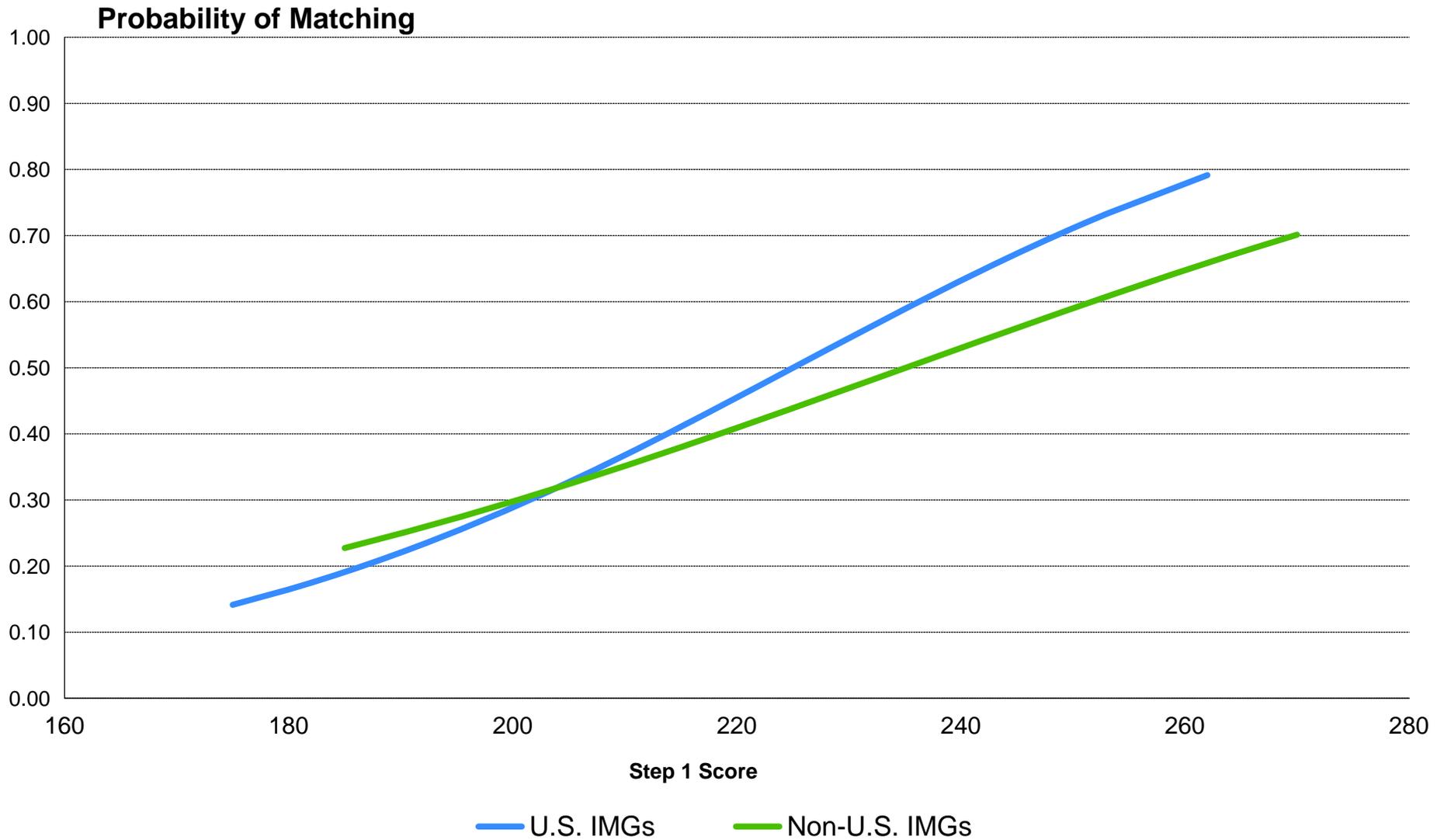
**Non-U.S. IMGs**



Source: NRMP Data Warehouse

**Graph  
P-2**

**Probability of International Medical Graduates Matching to Preferred Specialty by USMLE Step 1 Score**  
*Psychiatry*

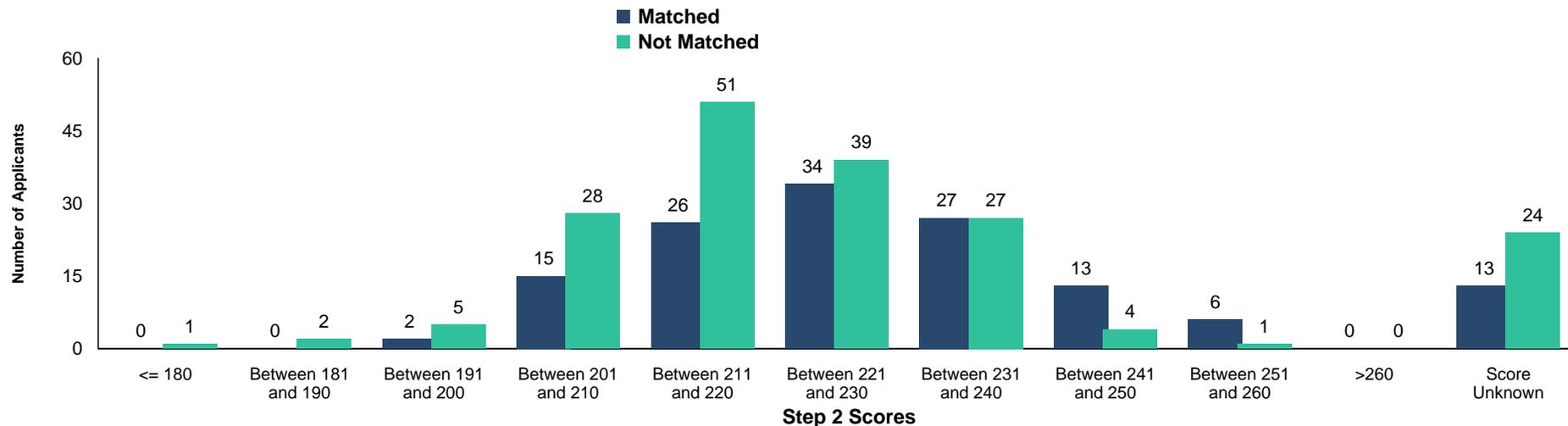


Source: NRMP Data Warehouse. Note: Probabilities calculated based on 2018-2020 applicants.

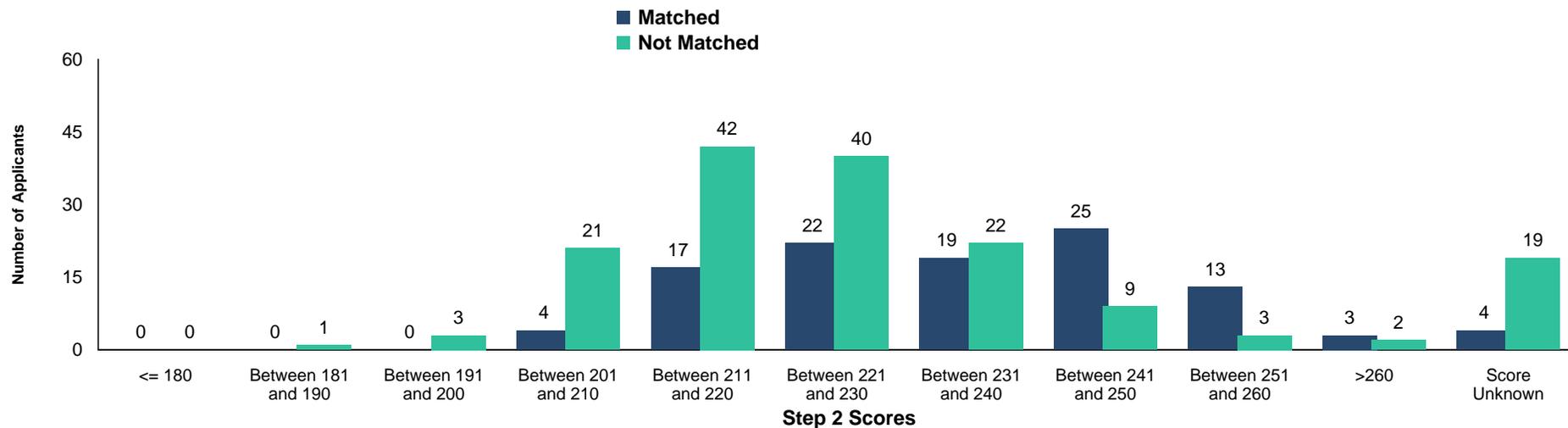
**Chart  
P-4**

**USMLE Step 2 CK Scores of International Medical Graduates  
Psychiatry**

**U.S. IMGs**



**Non-U.S. IMGs**

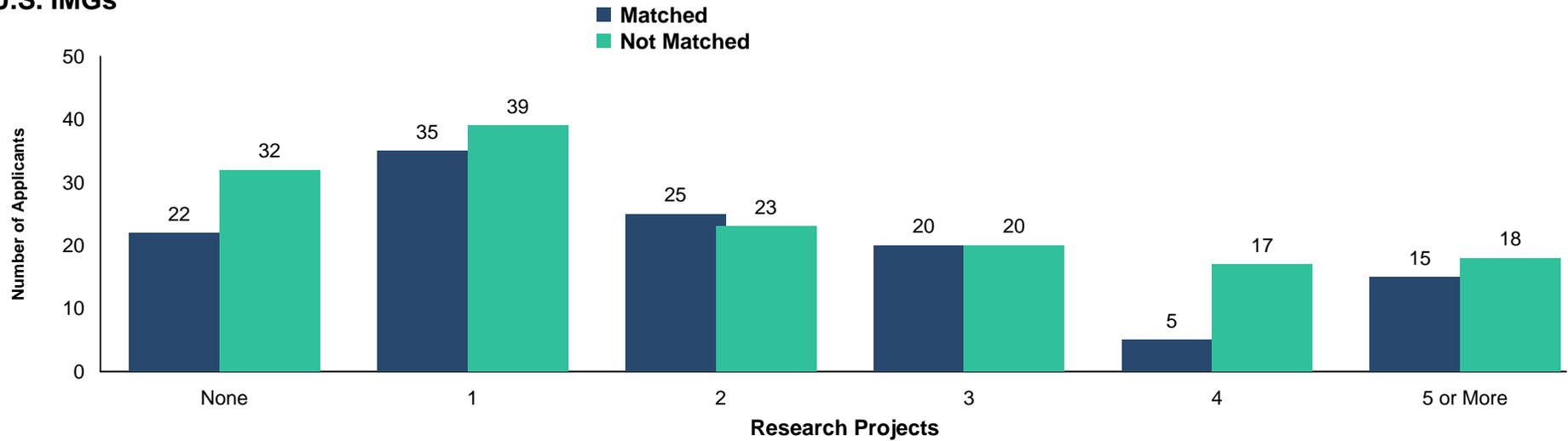


Source: NRMP Data Warehouse

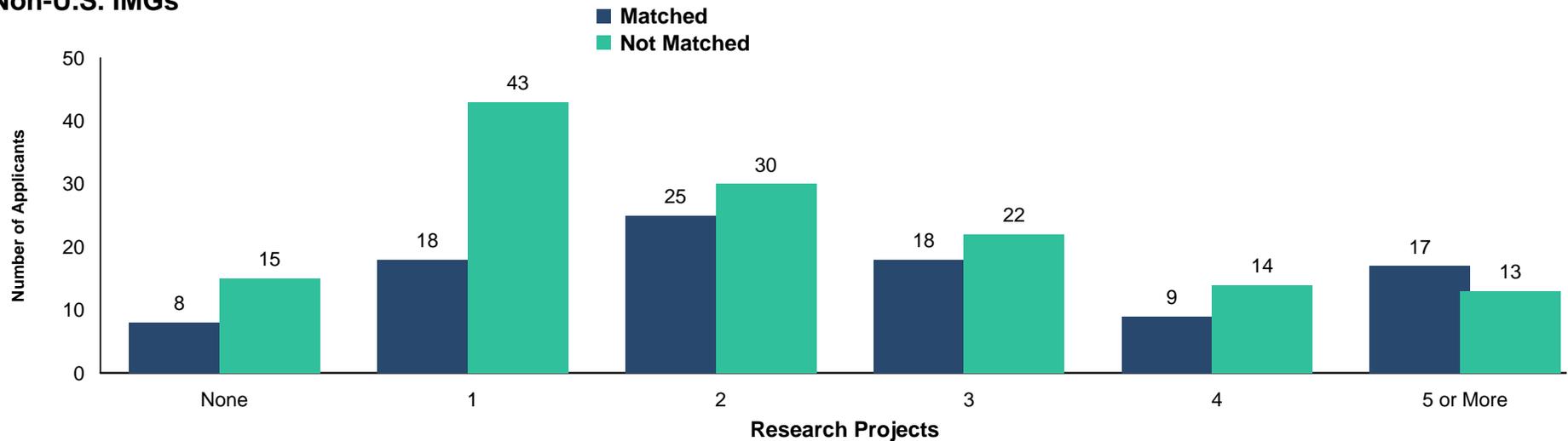
**Chart  
P-5**

**Number of Research Projects of International Medical Graduates  
Psychiatry**

**U.S. IMGs**



**Non-U.S. IMGs**

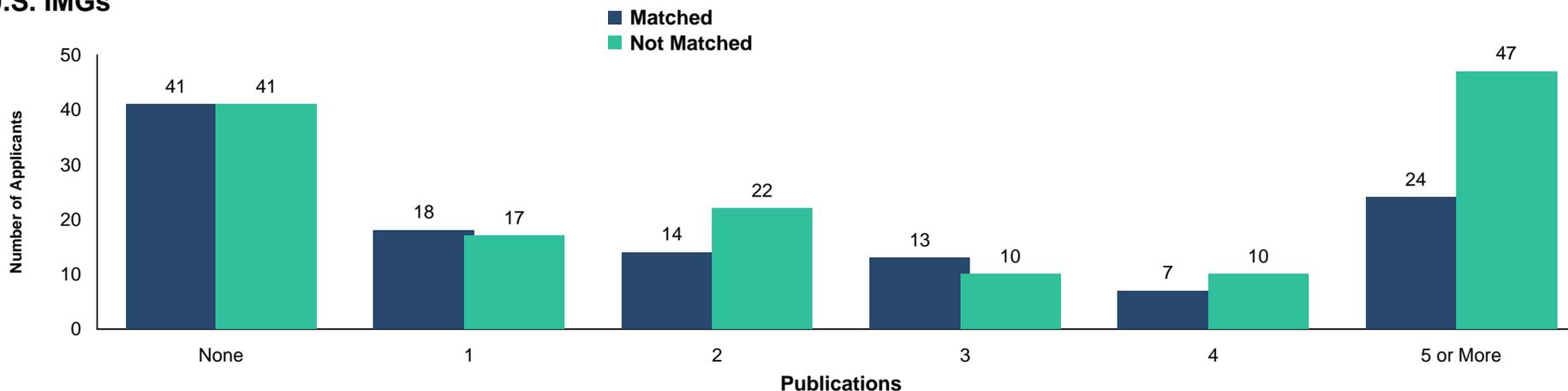


Source: NRMP Data Warehouse

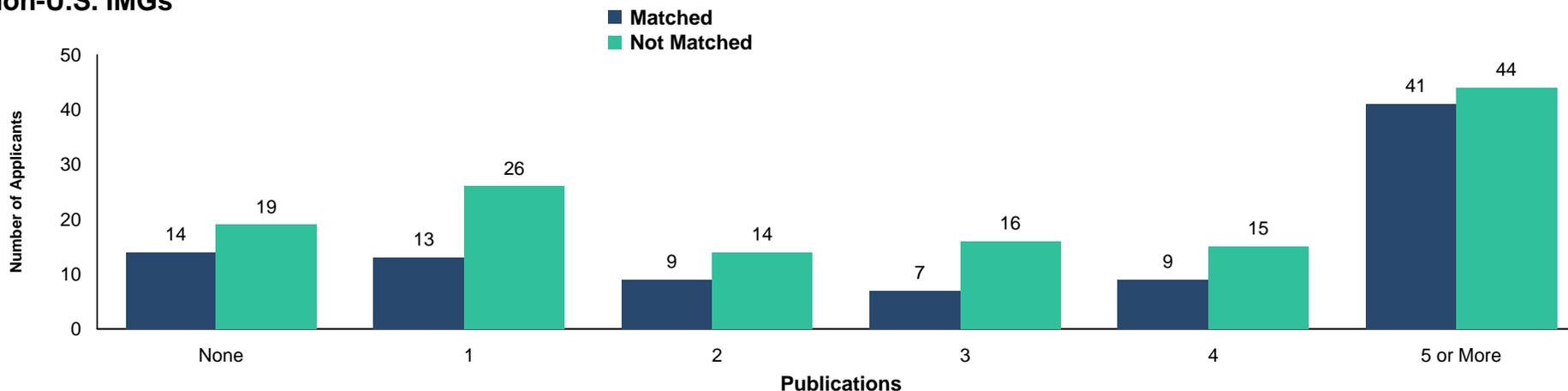
**Chart  
P-6**

**Number of Abstracts, Presentations, and Publications of International Medical Graduates  
Psychiatry**

**U.S. IMGs**



**Non-U.S. IMGs**

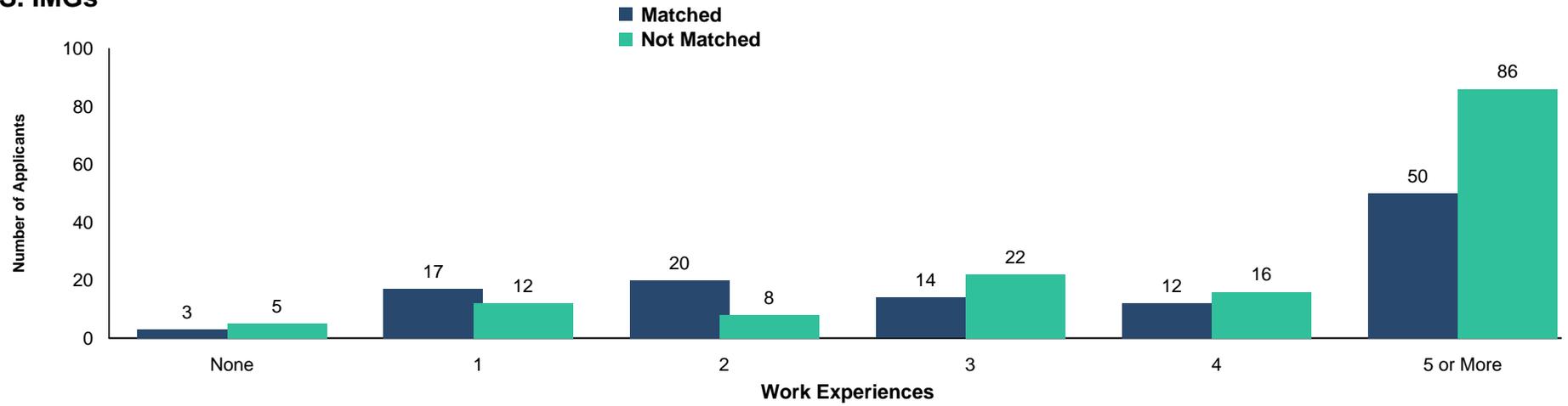


Source: NRMP Data Warehouse

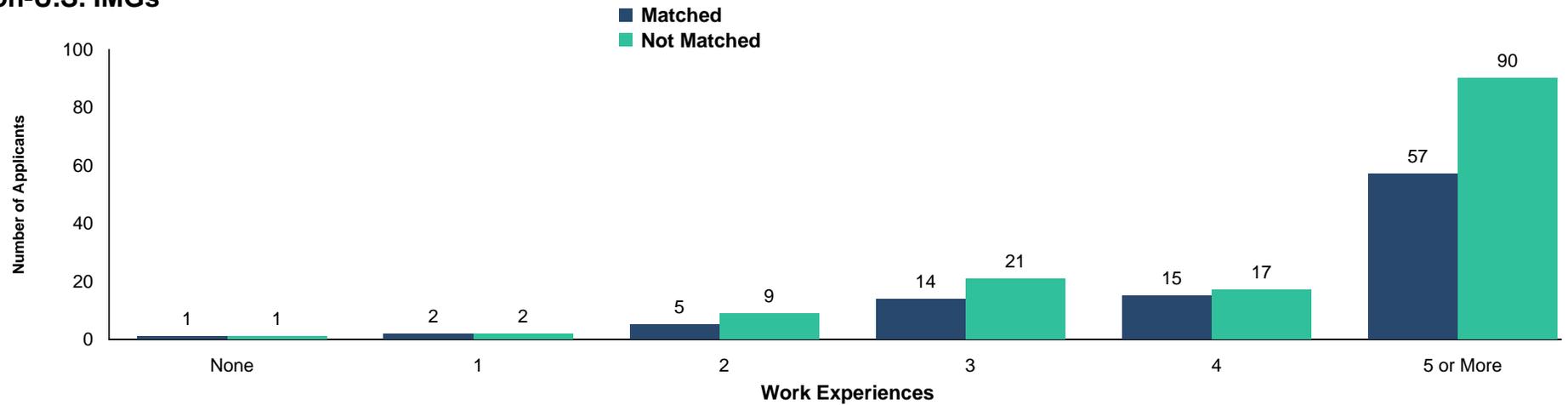
**Chart  
P-7**

**Number of Work Experiences of International Medical Graduates  
Psychiatry**

**U.S. IMGs**



**Non-U.S. IMGs**

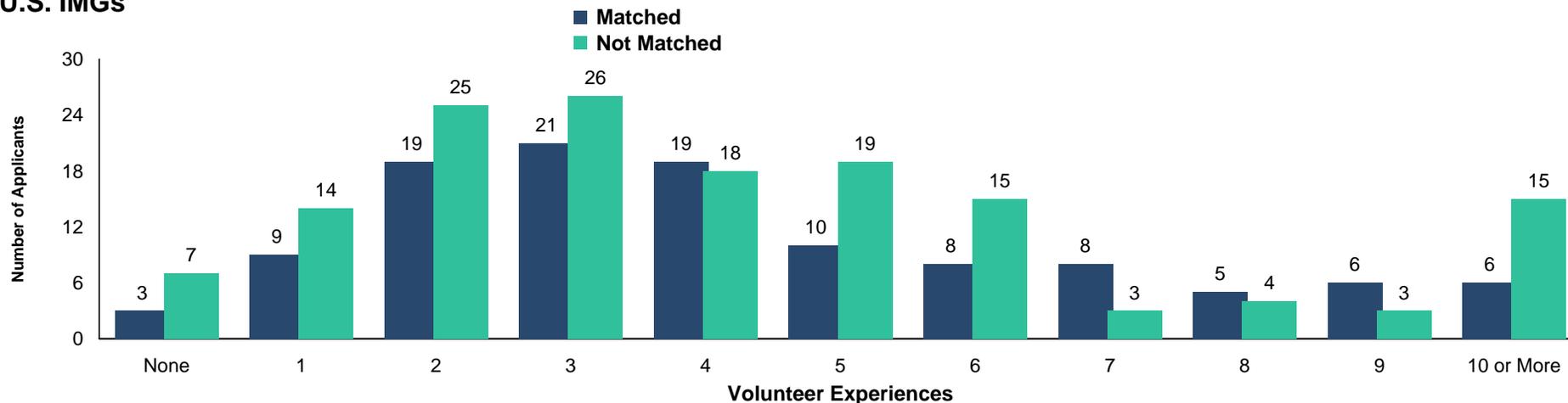


Source: NRMP Data Warehouse

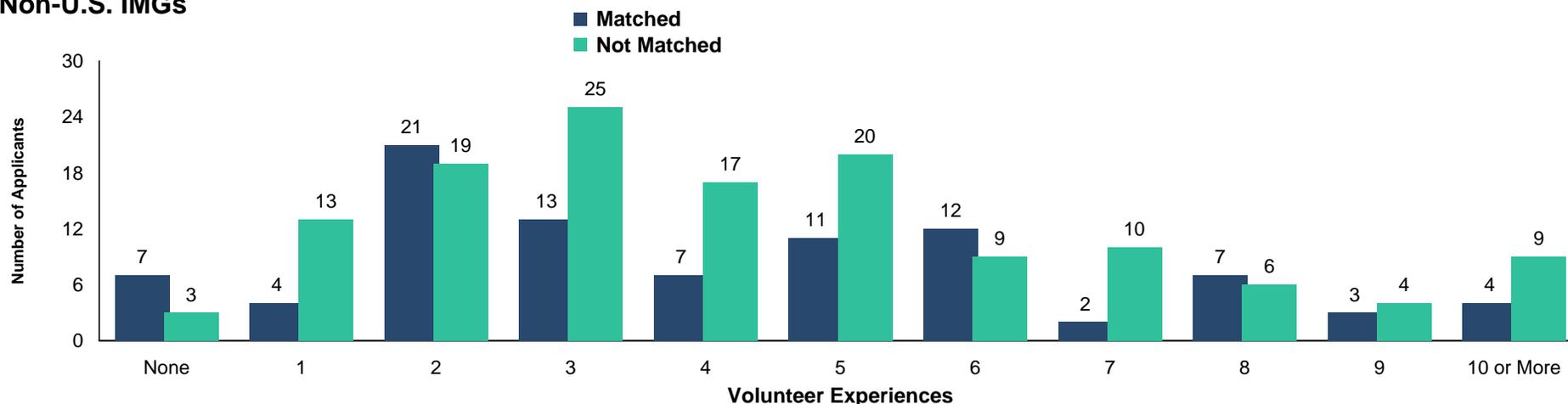
**Chart  
P-8**

**Number of Volunteer Experiences of International Medical Graduates  
Psychiatry**

**U.S. IMGs**



**Non-U.S. IMGs**



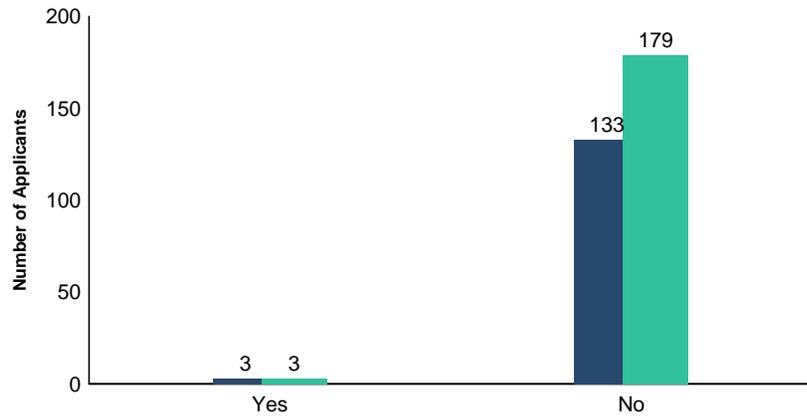
Source: NRMP Data Warehouse

**Chart  
P-9**

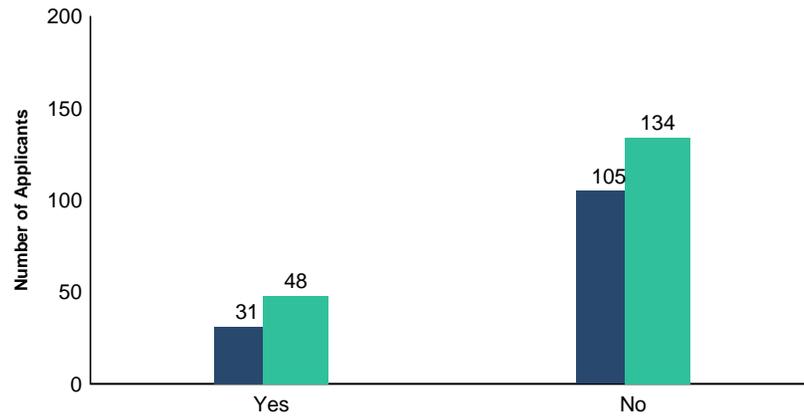
**Other Characteristics of International Medical Graduates  
Psychiatry**

**U.S. IMGs**

**Ph.D. Degree**

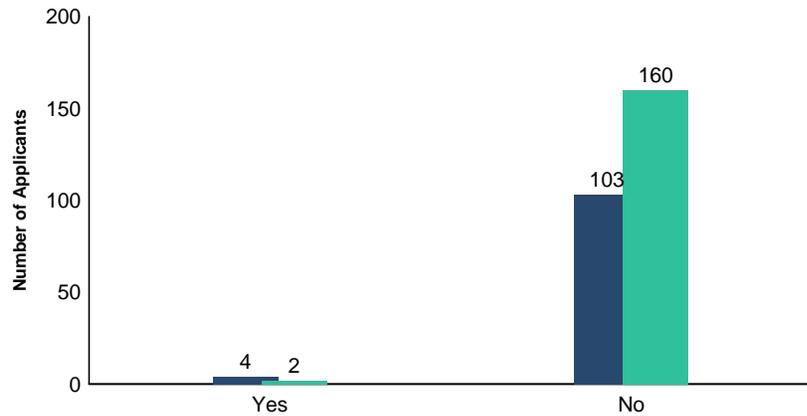


**Other Graduate Degree**

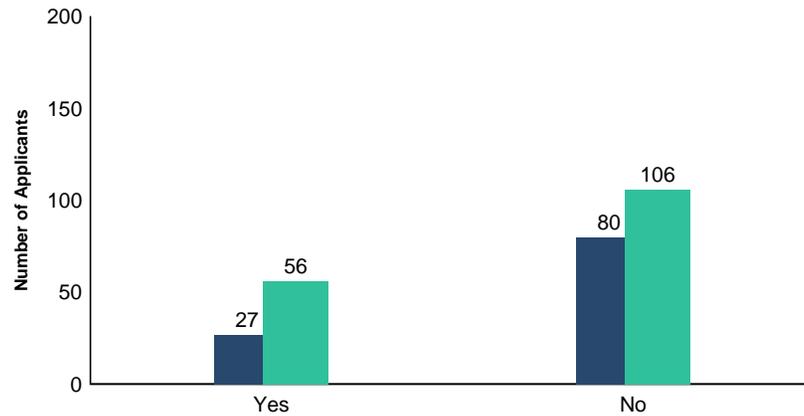


**Non-U.S. IMGs**

**Ph.D. Degree**



**Other Graduate Degree**



Source: NRMP Data Warehouse

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**RO** Radiation Oncology

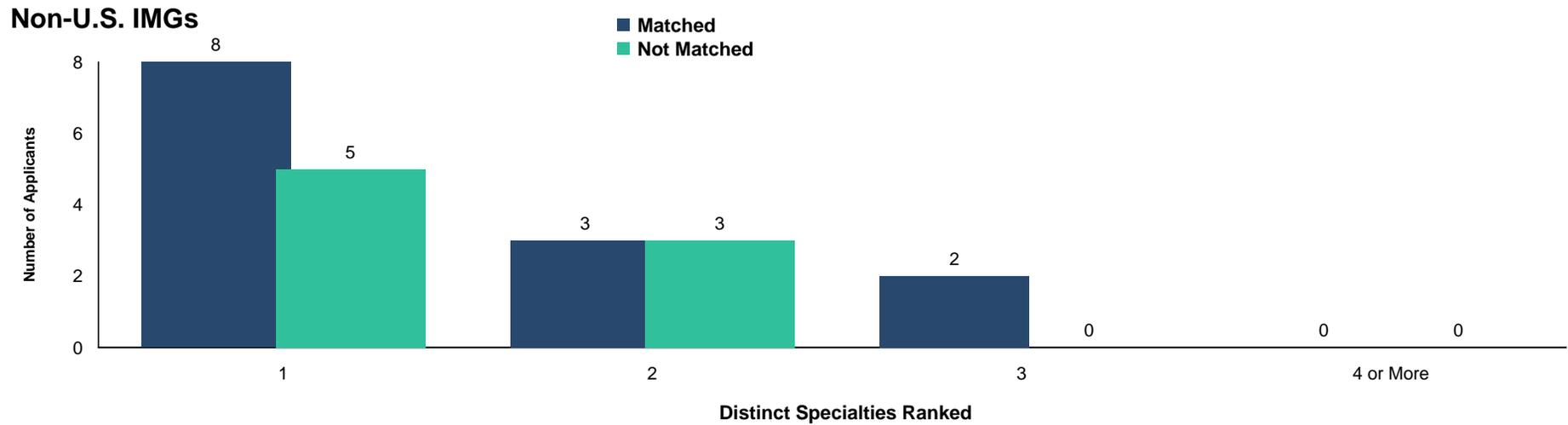
**Table** **Summary Statistics**  
**RO-1** *Radiation Oncology*

Measure	U.S. IMGs	Non-U.S. IMGs	
	Data not shown due to the small sample size	Matched (n=13)	Unmatched (n=8)
1. Mean number of contiguous ranks		9.9	4.8
2. Mean number of distinct specialties ranked		1.5	1.4
3. Mean USMLE Step 1 score		224	209
4. Mean USMLE Step 2 score		234	218
5. Mean number of research experiences		7.8	4.0
6. Mean number of abstracts, presentations, and publications		26.2	25.1
7. Mean number of work experiences		6.2	5.9
8. Mean number of volunteer experiences		5.3	4.4
9. Percentage who have a Ph.D. degree		9.1	0.0
10. Percentage who have another graduate degree		63.6	75.0

Note: Only applicants who gave consent to use their information in research are included.  
Source: NRMP Data Warehouse

**Chart  
RO-1**

# Number of Distinct Specialties Ranked by International Medical Graduates Radiation Oncology



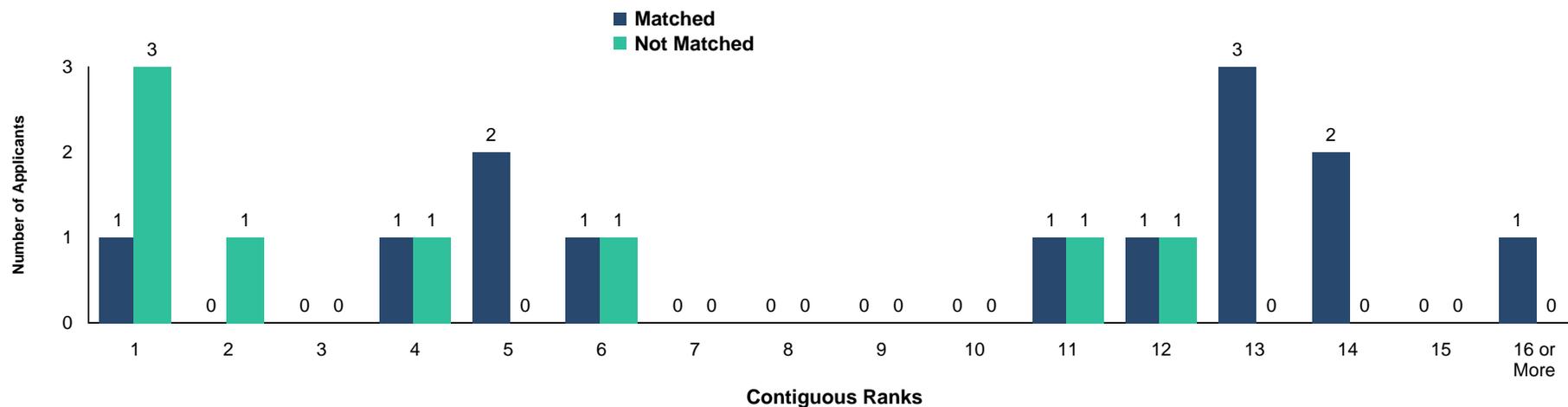
**Note:** Data for U.S. IMGs are not shown due to the small sample size.

Source: NRMP Data Warehouse

**Chart  
RO-2**

**Number of Contiguous Ranks of International Medical Graduates  
Radiation Oncology**

**Non-U.S. IMGs**

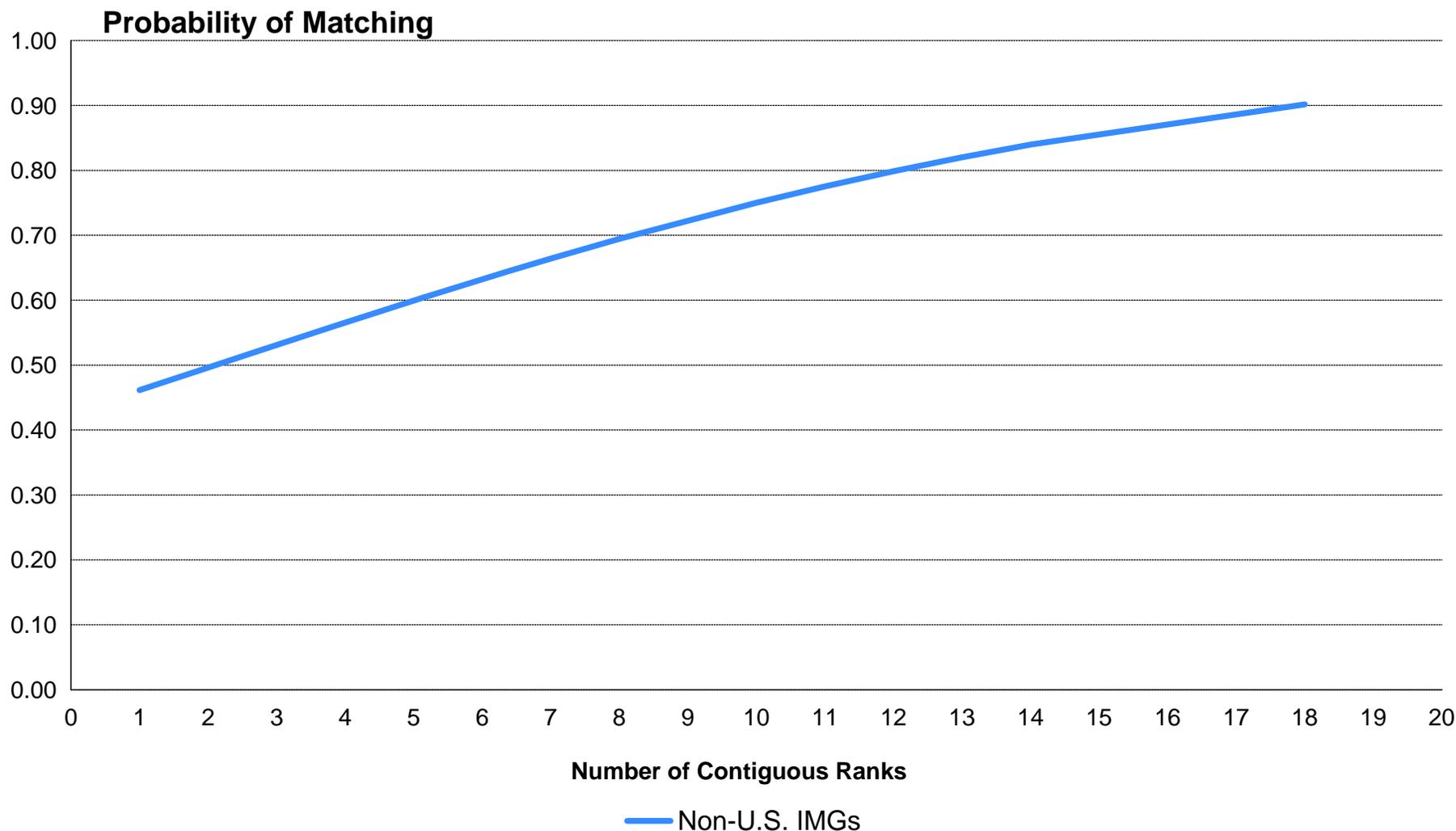


**Note: Data for U.S. IMGs are not shown due to the small sample size.**

Source: NRMP Data Warehouse

**Graph  
RO-1**

**Probability of International Medical Graduates Matching to Preferred Specialty by Number of Contiguous Ranks**  
*Radiation Oncology*

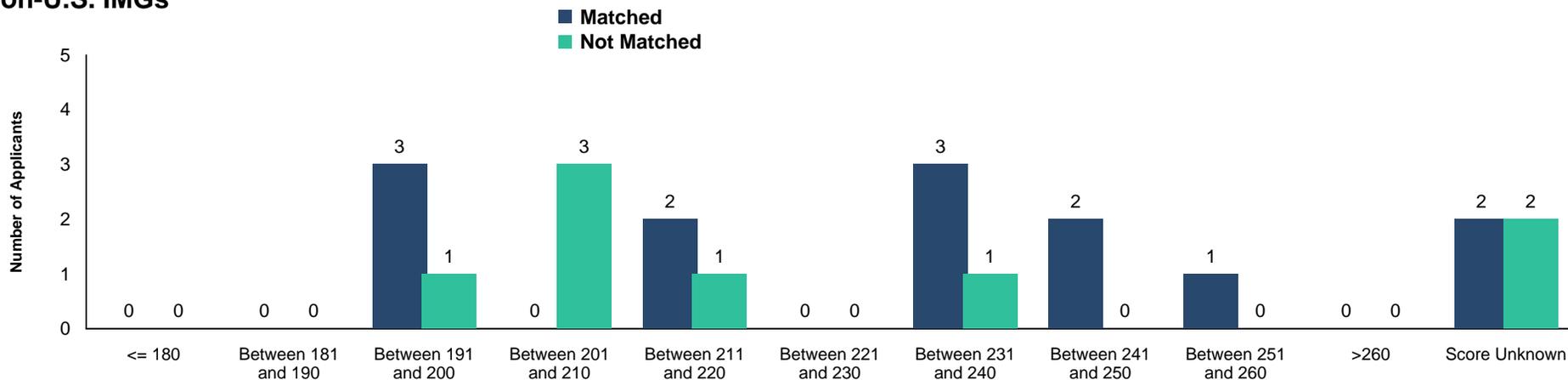


**Note: Data for U.S. IMGs are not shown due to the small sample size.**

*Source: NRMP Data Warehouse. Note: Probabilities calculated based on 2018-2020 applicants*

**USMLE Step 1 Scores of International Medical Graduates  
Radiation Oncology**

**Non-U.S. IMGs**

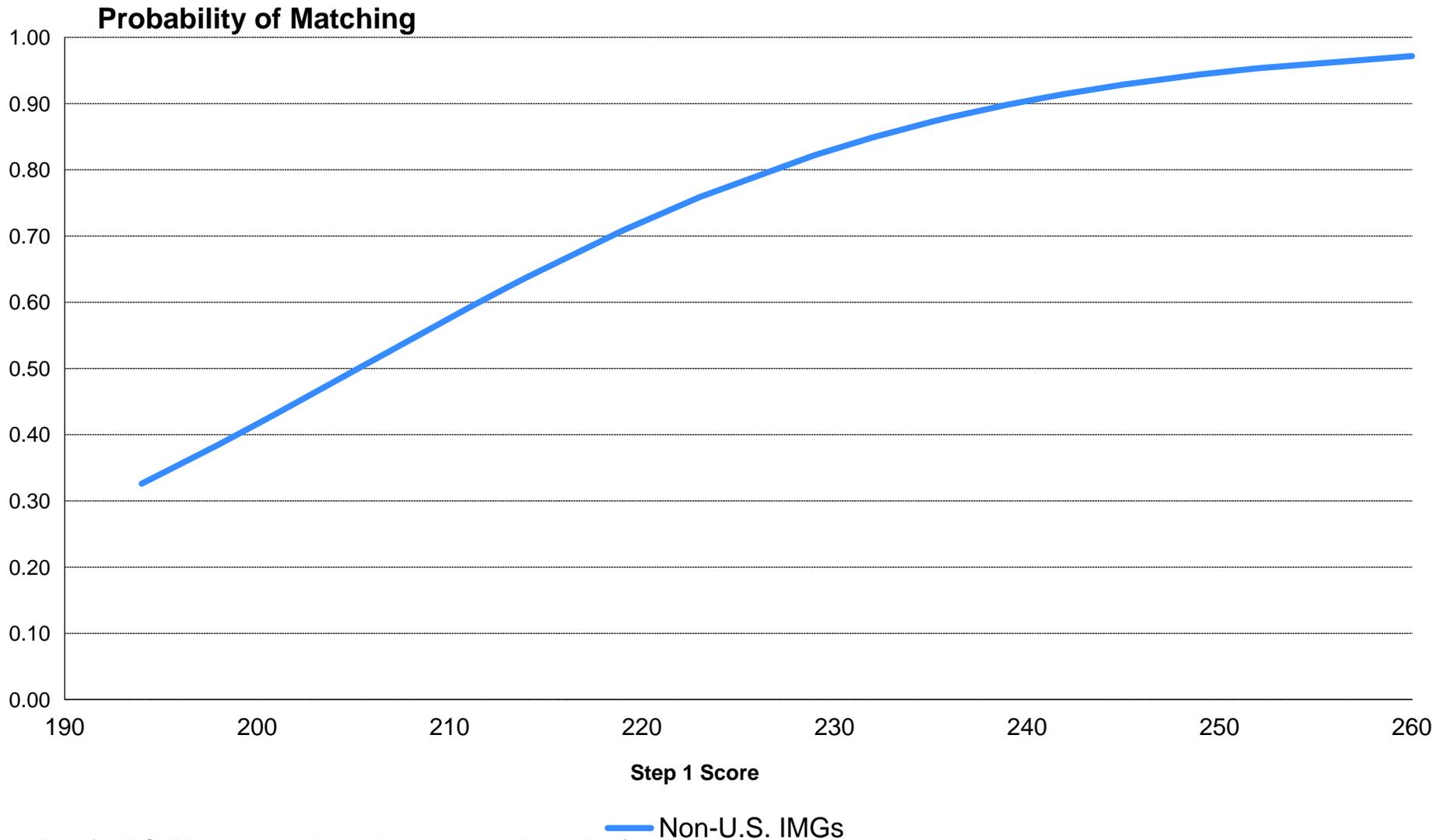


**Note: Data for U.S. IMGs are not shown due to the small sample size.**      **Step 1 Scores**

Source: NRMP Data Warehouse

**Graph  
RO-2**

**Probability of International Medical Graduates Matching to Preferred Specialty by USMLE Step 1 Score**  
*Radiation Oncology*



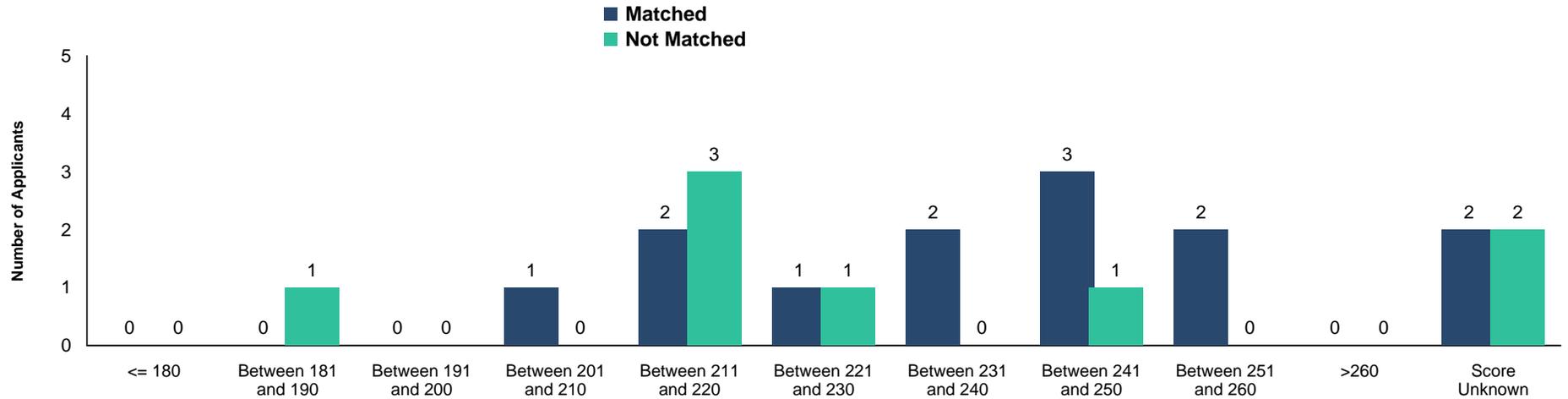
**Note: Data for U.S. IMGs are not shown due to the small sample size.**

*Source: NRMP Data Warehouse. Note: Probabilities calculated based on 2018-2020 applicants.*

**Chart  
RO-4**

**USMLE Step 2 CK Scores of International Medical Graduates  
Radiation Oncology**

**Non-U.S. IMGs**



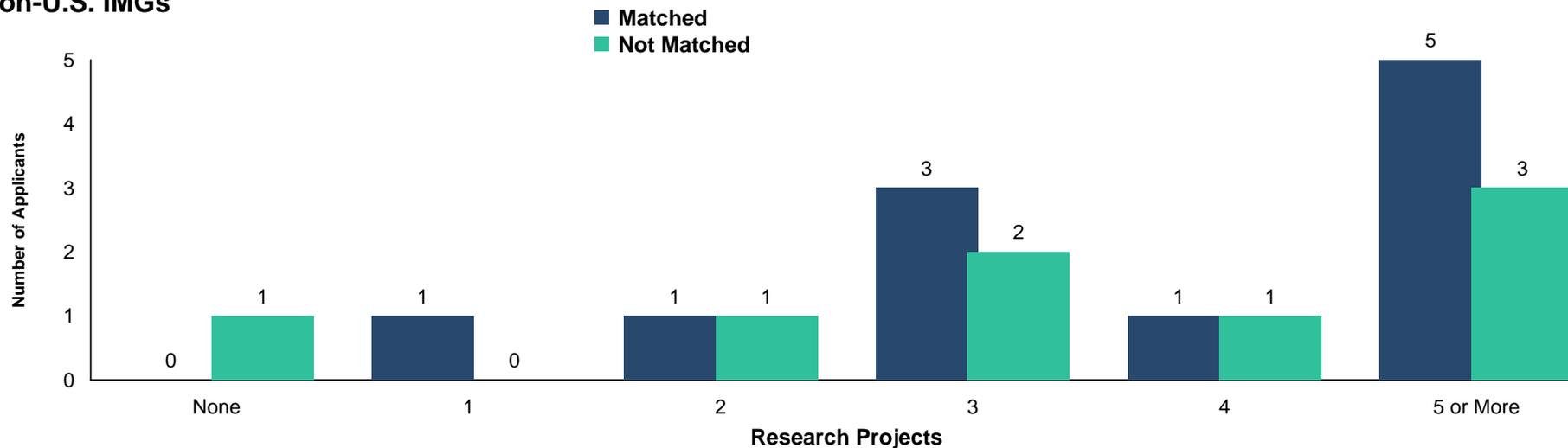
**Note: Data for U.S. IMGs are not shown due to the small sample size.**

Source: NRMP Data Warehouse

**Chart  
RO-5**

**Number of Research Projects of International Medical Graduates  
*Radiation Oncology***

**Non-U.S. IMGs**

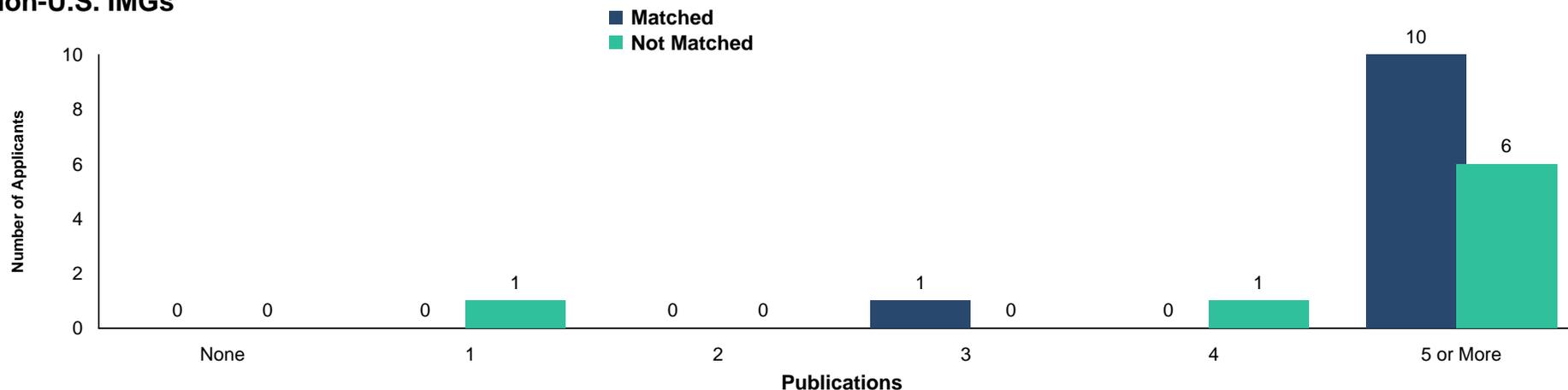


**Note: Data for U.S. IMGs are not shown due to the small sample size.**

**Chart  
RO-6**

**Number of Abstracts, Presentations, and Publications of International Medical Graduates  
Radiation Oncology**

**Non-U.S. IMGs**

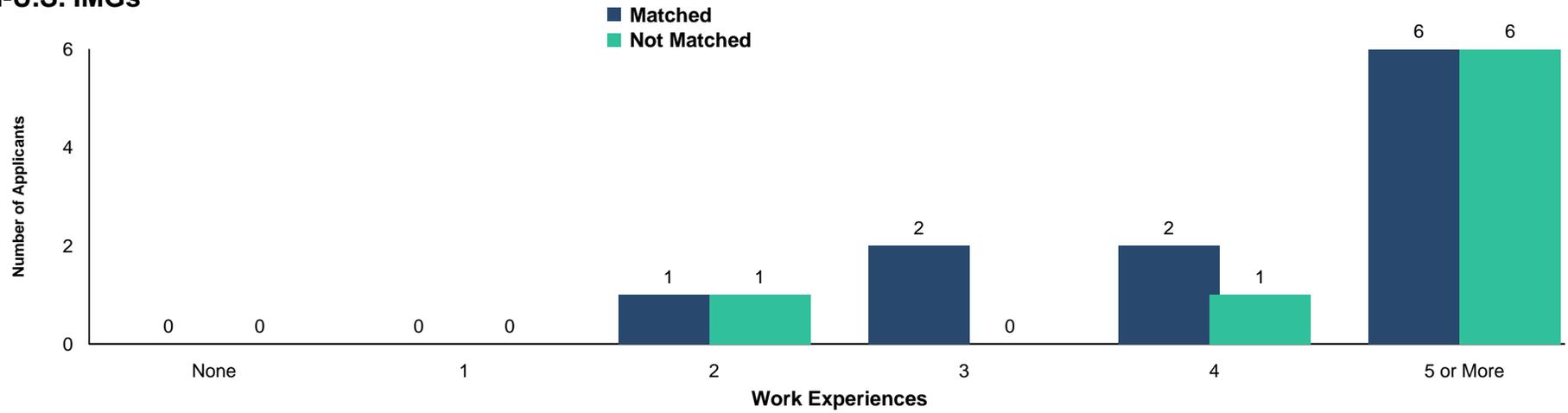


**Note:** Data for U.S. IMGs are not shown due to the small sample size.

**Chart  
RO-7**

**Number of Work Experiences of International Medical Graduates  
Radiation Oncology**

**Non-U.S. IMGs**



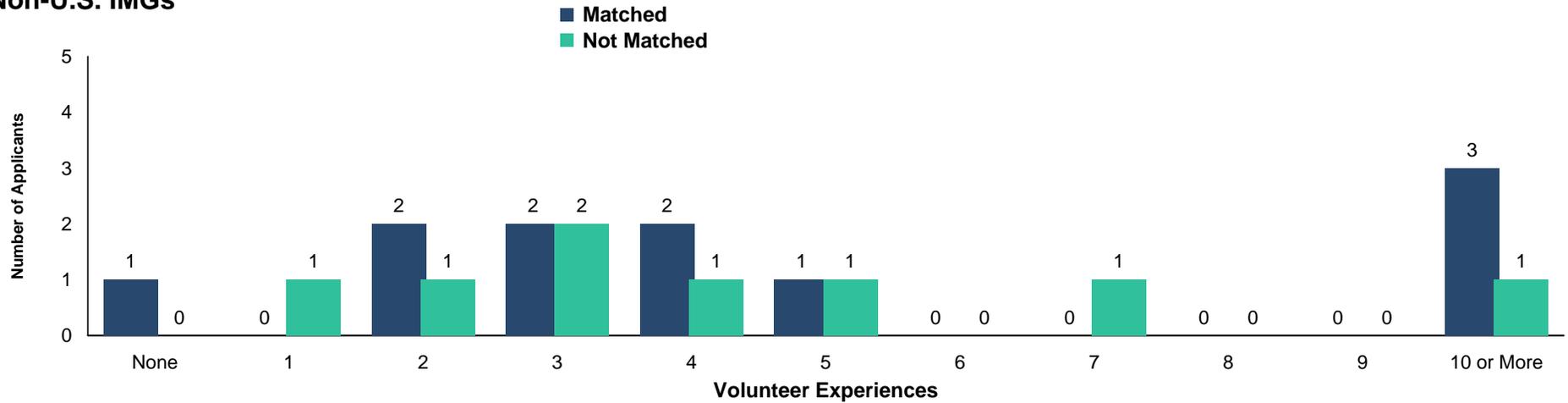
**Note:** Data for U.S. IMGs are not shown due to the small sample size.

Source: NRMP Data Warehouse

**Chart  
RO-8**

**Number of Volunteer Experiences of International Medical Graduates  
Radiation Oncology**

**Non-U.S. IMGs**



**Note: Data for U.S. IMGs are not shown due to the small sample size.**

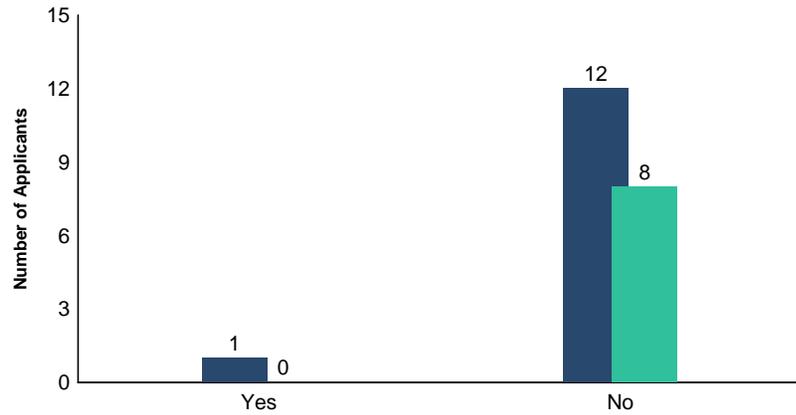
Source: NRMP Data Warehouse

**Chart  
RO-9**

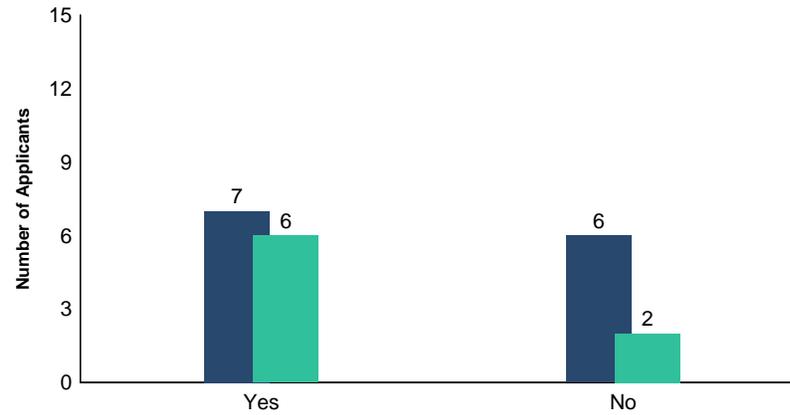
**Other Characteristics of International Medical Graduates  
Radiation Oncology**

U.S. IMGs  
Non-U.S. IMGs

**Ph.D. Degree**



**Other Graduate Degree**



**Note: Data for U.S. IMGs are not shown due to the small sample size.**

Source: NRMP Data Warehouse

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**VS** **Vascular Surgery**

**Table** **Summary Statistics**  
**VS-1** *Vascular Surgery*

Measure	U.S. IMGs	Non-U.S. IMGs	
	Data not shown due to the small sample size	Matched (n=4)	Unmatched (n=17)
1. Mean number of contiguous ranks		5.5	1.8
2. Mean number of distinct specialties ranked		1.3	1.6
3. Mean USMLE Step 1 score		227	230
4. Mean USMLE Step 2 score		240	236
5. Mean number of research experiences		2.3	5.2
6. Mean number of abstracts, presentations, and publications		60.3	20.0
7. Mean number of work experiences		3.5	5.5
8. Mean number of volunteer experiences		3.0	3.8
9. Percentage who have a Ph.D. degree		0.0	6.7
10. Percentage who have another graduate degree		25.0	26.7

Note: Only applicants who gave consent to use their information in research are included.  
Source: NRMP Data Warehouse

**Chart  
VS-1**

# Number of Distinct Specialties Ranked by International Medical Graduates Vascular Surgery

## Non-U.S. IMGs



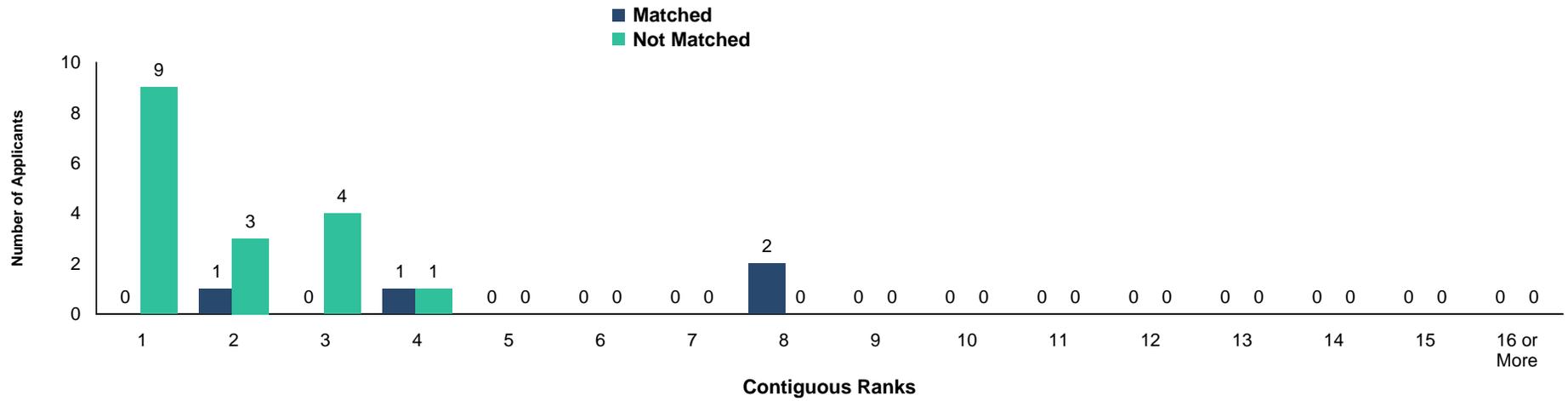
**Note:** Data for U.S. IMGs are not shown due to the small sample size.

Source: NRMP Data Warehouse

**Chart  
VS-2**

**Number of Contiguous Ranks of International Medical Graduates  
Vascular Surgery**

**Non-U.S. IMGs**

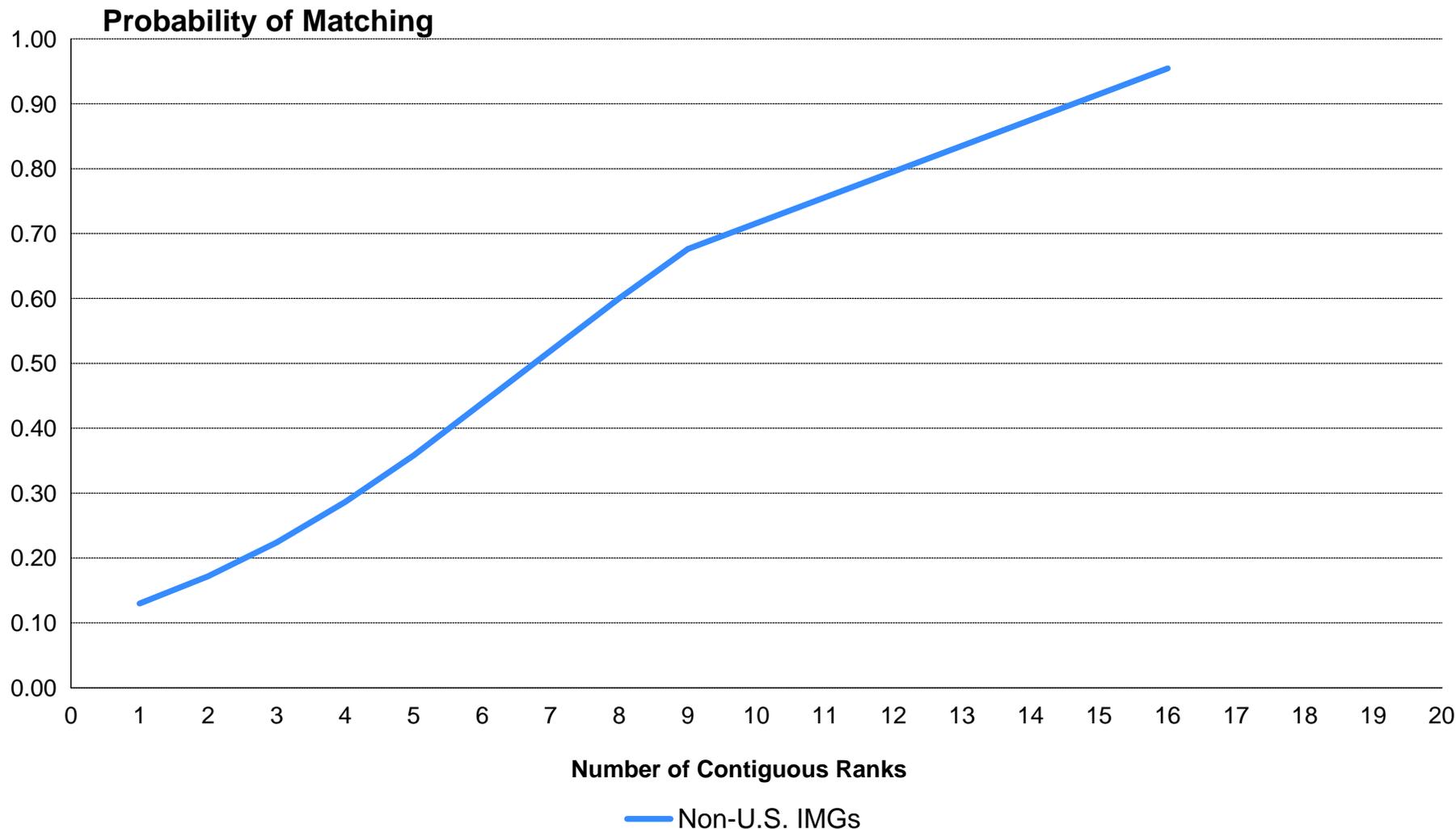


**Note: Data for U.S. IMGs are not shown due to the small sample size.**

Source: NRMP Data Warehouse

**Graph  
VS-1**

**Probability of International Medical Graduates Matching to Preferred Specialty by Number of Contiguous Ranks**  
*Vascular Surgery*



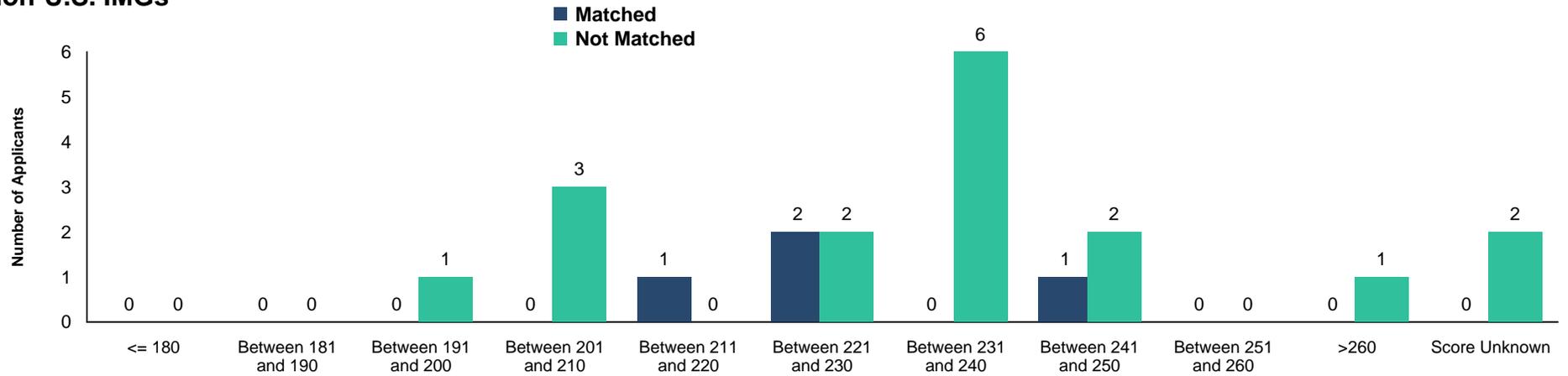
**Note: Data for U.S. IMGs are not shown due to the small sample size.**

Source: NRMP Data Warehouse. Note: Probabilities calculated based on 2018-2020 applicants

**Chart  
VS-3**

**USMLE Step 1 Scores of International Medical Graduates  
Vascular Surgery**

**Non-U.S. IMGs**

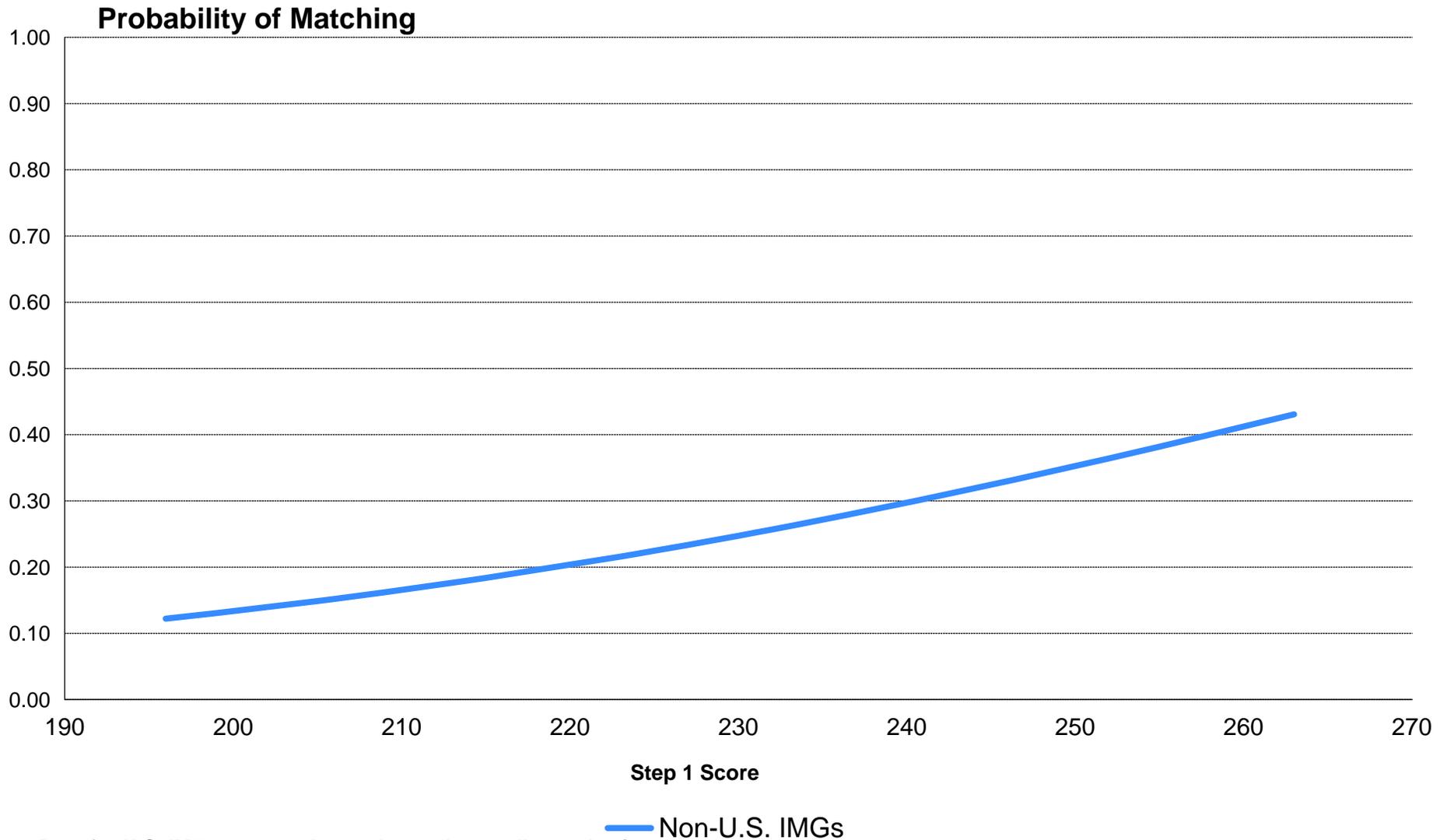


**Note: Data for U.S. IMGs are not shown due to the small sample size.**      **Step 1 Scores**

Source: NRMP Data Warehouse

**Graph  
VS-2**

**Probability of International Medical Graduates Matching to Preferred Specialty by USMLE Step 1 Score**  
*Vascular Surgery*



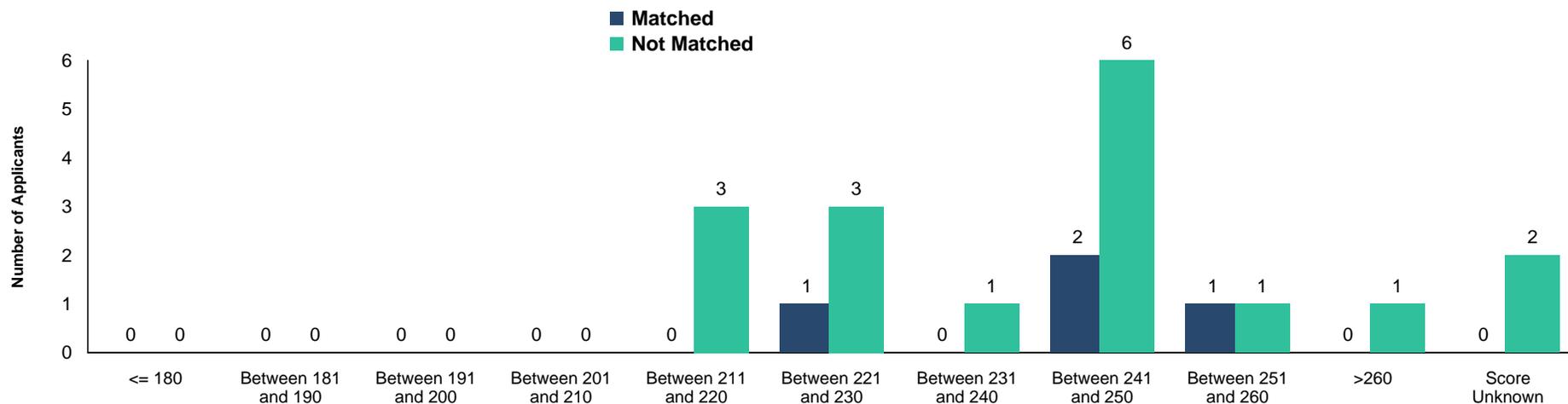
**Note:** Data for U.S. IMGs are not shown due to the small sample size.

Source: NRMP Data Warehouse. Note: Probabilities calculated based on 2018-2020 applicants.

**Chart  
VS-4**

**USMLE Step 2 CK Scores of International Medical Graduates  
Vascular Surgery**

**Non-U.S. IMGs**



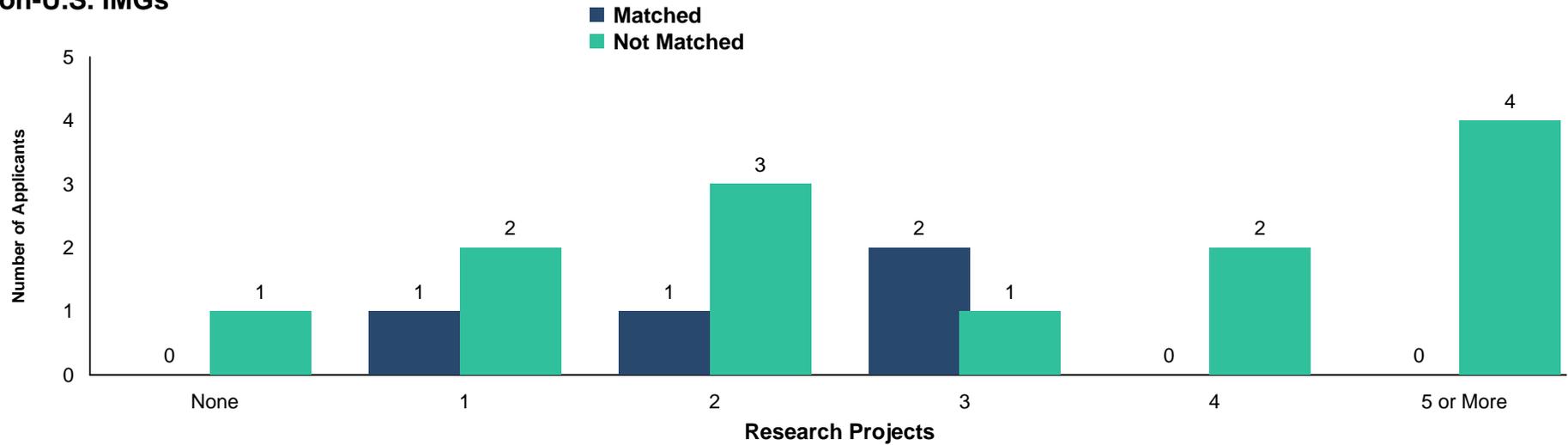
**Note: Data for U.S. IMGs are not shown due to the small sample size.**

Source: NRMP Data Warehouse

**Chart  
VS-5**

**Number of Research Projects of International Medical Graduates  
Vascular Surgery**

**Non-U.S. IMGs**

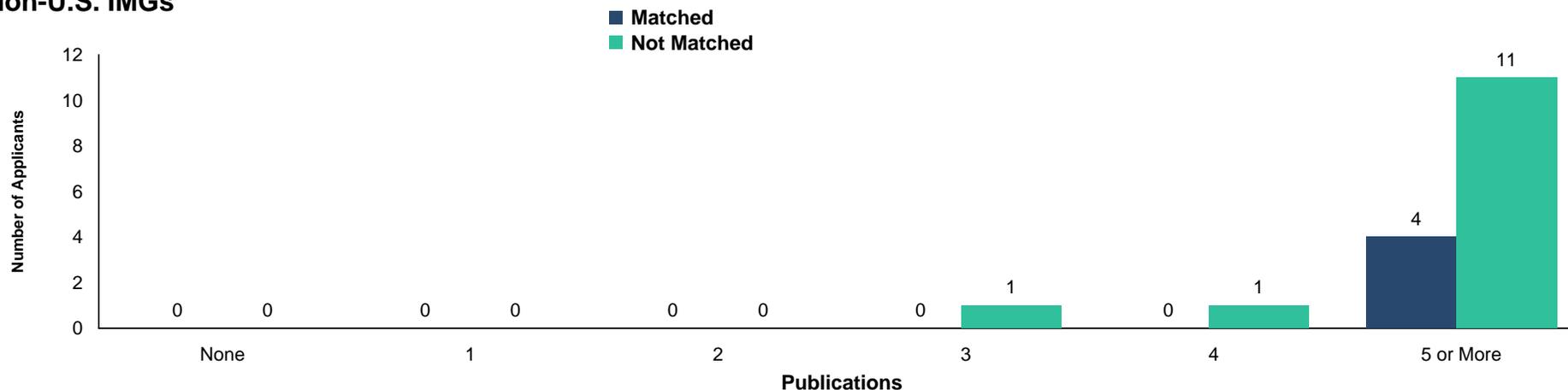


**Note: Data for U.S. IMGs are not shown due to the small sample size.**

**Chart  
VS-6**

**Number of Abstracts, Presentations, and Publications of International Medical Graduates  
Vascular Surgery**

**Non-U.S. IMGs**



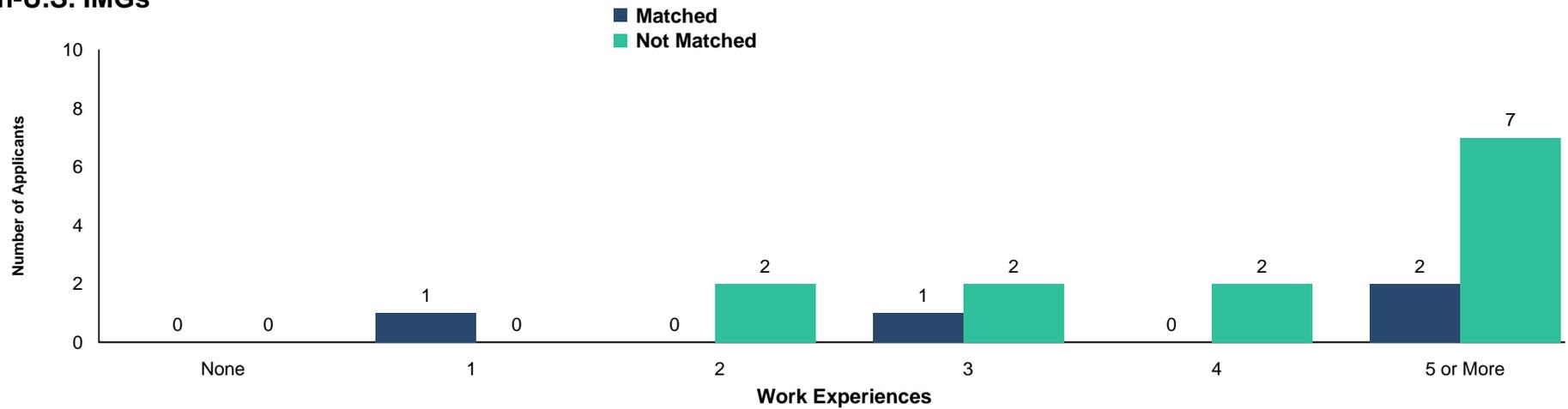
**Note: Data for U.S. IMGs are not shown due to the small sample size.**

Source: NRMP Data Warehouse

**Chart  
VS-7**

**Number of Work Experiences of International Medical Graduates  
Vascular Surgery**

**Non-U.S. IMGs**

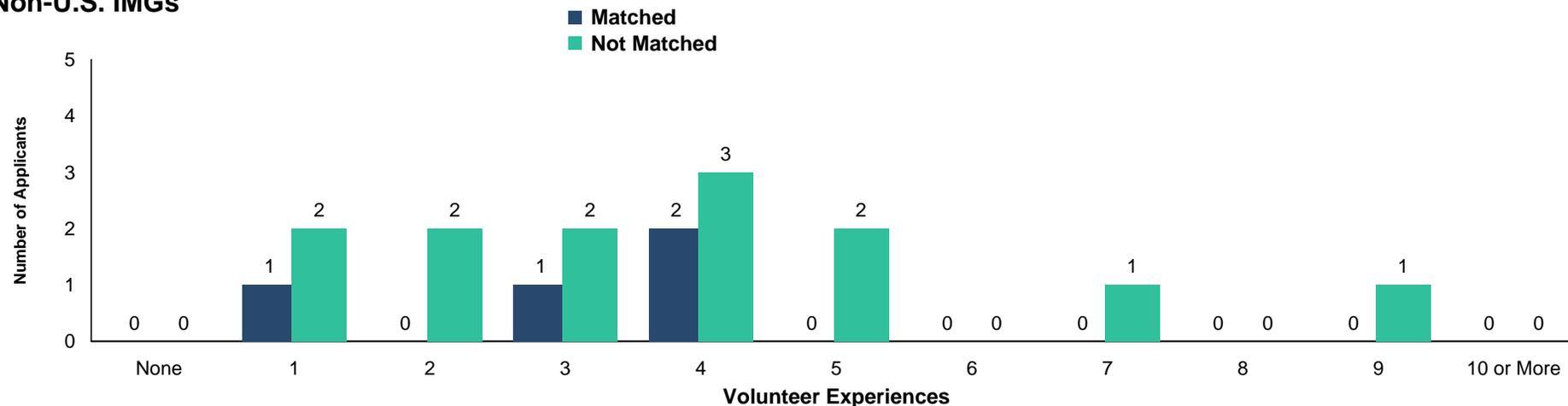


**Note:** Data for U.S. IMGs are not shown due to the small sample size.

**Chart  
VS-8**

**Number of Volunteer Experiences of International Medical Graduates  
Vascular Surgery**

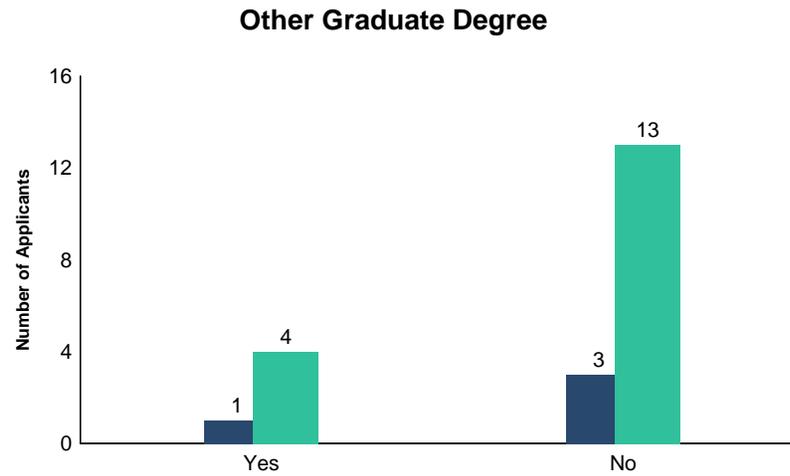
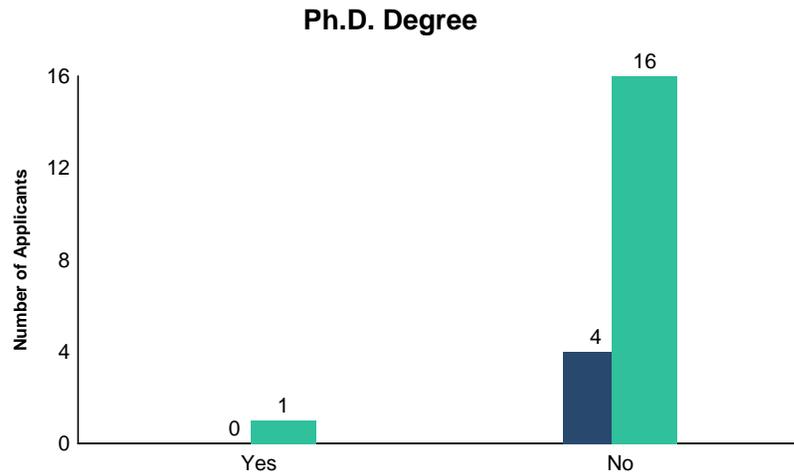
**Non-U.S. IMGs**



**Note: Data for U.S. IMGs are not shown due to the small sample size.**

Source: NRMP Data Warehouse

**Non-U.S. IMGs**



**Note: Data for U.S. IMGs are not shown due to the small sample size.**

Source: NRMP Data Warehouse