



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

**Characteristics of International Medical Graduates Who  
Matched to Their Preferred Specialty in the 2022 Main  
Residency Match**

**4th Edition**

**Prepared by:**  
National Resident Matching Program  
[www.nrmp.org](http://www.nrmp.org)

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## Background

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

With the exception of the 2013 report, all versions of *Charting Outcomes in the Match* published prior to 2016 examined the Match outcomes of only two applicant groups: senior students from U.S. MD medical schools and independent applicants. Independent applicants included all applicant types other than U.S. MD seniors: graduates of U.S. MD medical schools, students/graduates of U.S. DO medical schools, students/graduates of Fifth Pathway programs, students/graduates of Canadian medical schools, and U.S. citizen and non-U.S. citizen students/graduates of international medical schools. Because independent applicants are a heterogeneous group, a decision was made in 2016 to report data separately for U.S. MD medical school seniors, students/graduates of U.S. DO medical schools, and U.S. citizen/non-U.S. citizen students/graduates of international medical schools. In 2018, 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 fourth 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 outcome, 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, as well as research, work and volunteer experiences, were self-reported through the Academic Information section of the NRMP's Applicant Registration Form for the Match. To complete the form, applicants were asked to answer the questions as they did in their ERAS Common Application Form (CAF). Completion of the form was optional, and applicants who completed the form could consent or decline to participate in NRMP research. Data collection using the self-reported Academic Information section was granted exemption by the Advarra Institutional Review Board (IRB).

A total of 12,912 IMG applicants (7,864 U.S. IMGs and 5,048 non-U.S. IMGs) submitted certified rank order lists in the 2022 Main Residency Match. After excluding the 15.7 percent of U.S. IMGs and 31.1 percent of non-U.S. IMGs who did not give consent to participate in NRMP research, 10,106 IMG applicants (3,814 U.S. IMGs and 6,292 non-U.S. IMGs) were included in the final dataset. Missing data were found in Step 1 scores (5.5% missing for U.S. IMGs and 3.3% for non-U.S. IMGs), Step 2 scores (8.0% and 4.1%), number of research experiences (15.3% and 12.0%), number of abstracts, presentations, and publications (16.3% and 11.9%), number of work experiences (11.4% and 8.0%), number of volunteer experiences (12.0% and 9.9%), Ph.D. degree (7.8% and 5.5%), and other graduate degree (6.9% and 5.4%).

## 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 2022 Main Residency Match are included in this report, with the following exceptions. 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 2020, 2021, and 2022. 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.

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

### Summary

Some general observations apply to all specialties in this report. IMGs who match 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

It is important to note that other factors also likely contribute to matching to a preferred specialty. As examples, the data sources used for *Charting Outcomes in the Match* do not include important applicant factors such as course evaluations, reference letters, and any form of letter summarizing the applicant's performance while in medical school.

Despite the fairly strong relationship between USMLE Step scores and matching to a preferred specialty, the distributions of scores show that program directors consider other qualifications. A high score is not a guarantee of matching, and a low score is not a bar to matching. In the more competitive specialties, IMGs with high scores may not match to their preferred specialties. In less competitive specialties, IMGs with scores slightly above passing usually match to their preferred specialties. The data are reassuring because they indicate that some programs do not employ an arbitrary cutoff or decline to consider applicants with less competitive scores.

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

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

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

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## Tables and Charts for All Specialties

**Chart  
1**

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

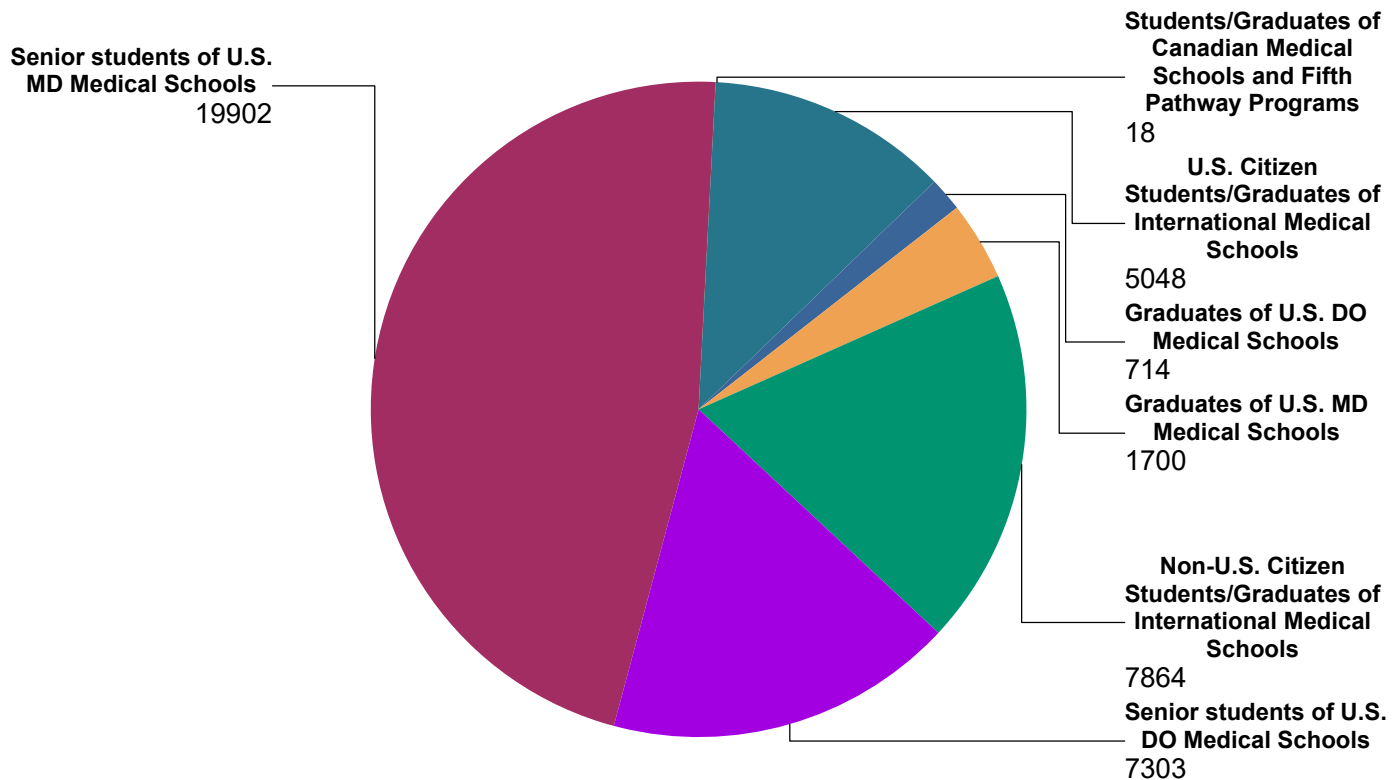


Chart 1 shows the number of active applicants (applicants who submitted rank order lists of programs) by applicant type in the 2022 Main Residency Match. A total of 42,549 active applicants participated in the 2022 Main Residency Match. Non-U.S. citizen students and graduates of international medical schools constituted 18.5 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 11.9 percent of the applicant pool. The number of Fifth Pathway and Canadian graduates (n=18) represent the smallest group of active applicants.

**Table  
1**

**Number of Applicants and Positions in the 2022 Main Residency Match  
by Preferred Specialty\***

Preferred Specialty	Total Positions Offered	Total Number of All Applicants	Number of All Applicants Per Position	U.S. IMGs			Non-U.S. IMGs		
				Matched	Not Matched	Total	Matched	Not Matched	Total
Anesthesiology	1,969	2,560	1.30	83	100	183	73	113	186
Child Neurology	188	182	0.97	8	8	16	20	10	30
Dermatology	544	834	1.53	9	16	25	8	17	25
Diagnostic Radiology	1,155	1,568	1.36	32	54	86	66	93	159
Emergency Medicine	2,921	2,813	0.96	169	46	215	43	20	63
Family Medicine	4,916	5,055	1.03	632	462	1,094	383	408	791
General Surgery	1,622	2,400	1.48	74	170	244	75	216	291
Internal Medicine	9,809	11,598	1.18	1,054	755	1,809	2,431	1,769	4,200
Internal Medicine/Pediatrics	392	458	1.17	9	9	18	9	12	21
Interventional Radiology	169	226	1.34	Data not shown			4	10	14
Neurological Surgery	240	379	1.58	2	7	9	16	26	42
Neurology	1,014	1,249	1.23	66	56	122	185	185	370
Obstetrics and Gynecology	1,503	2,044	1.36	42	83	125	39	80	119
Orthopaedic Surgery	875	1,435	1.64	8	23	31	11	9	20
Pathology	631	827	1.31	60	74	134	198	137	335
Pediatrics	3,016	3,153	1.05	208	82	290	328	210	538
Physical Medicine and Rehabilitation	532	725	1.36	17	26	43	15	18	33
Plastic Surgery	194	340	1.75	4	9	13	7	10	17
Psychiatry	2,047	2,560	1.25	178	212	390	128	153	281
Radiation Oncology	185	162	0.88	8	4	12	13	11	24
Vascular Surgery	84	143	1.70	Data not shown			6	14	20

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

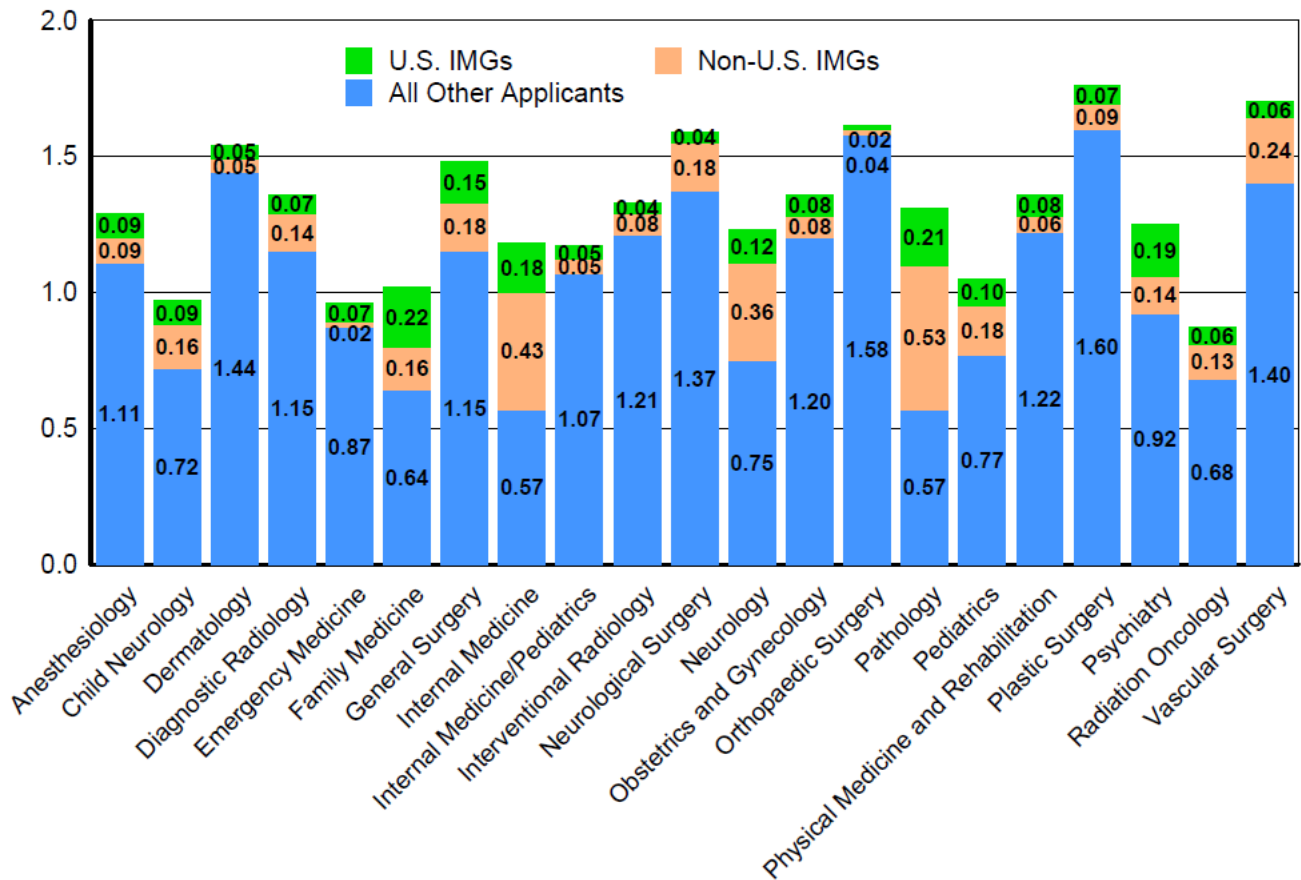
Table 1 provides a summary of the numbers of applicants and positions for selected specialties. For example, a total of 2,560 applicants preferred Anesthesiology (or ranked an Anesthesiology program first), among whom 183 were U.S. IMGs (100 matched and 83 not matched to Anesthesiology) and 186 were non-U.S. IMGs (73 matched and 113 not matched to Anesthesiology). For each of the 1,969 Anesthesiology positions there were 1.30 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 Interventional Radiology 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**

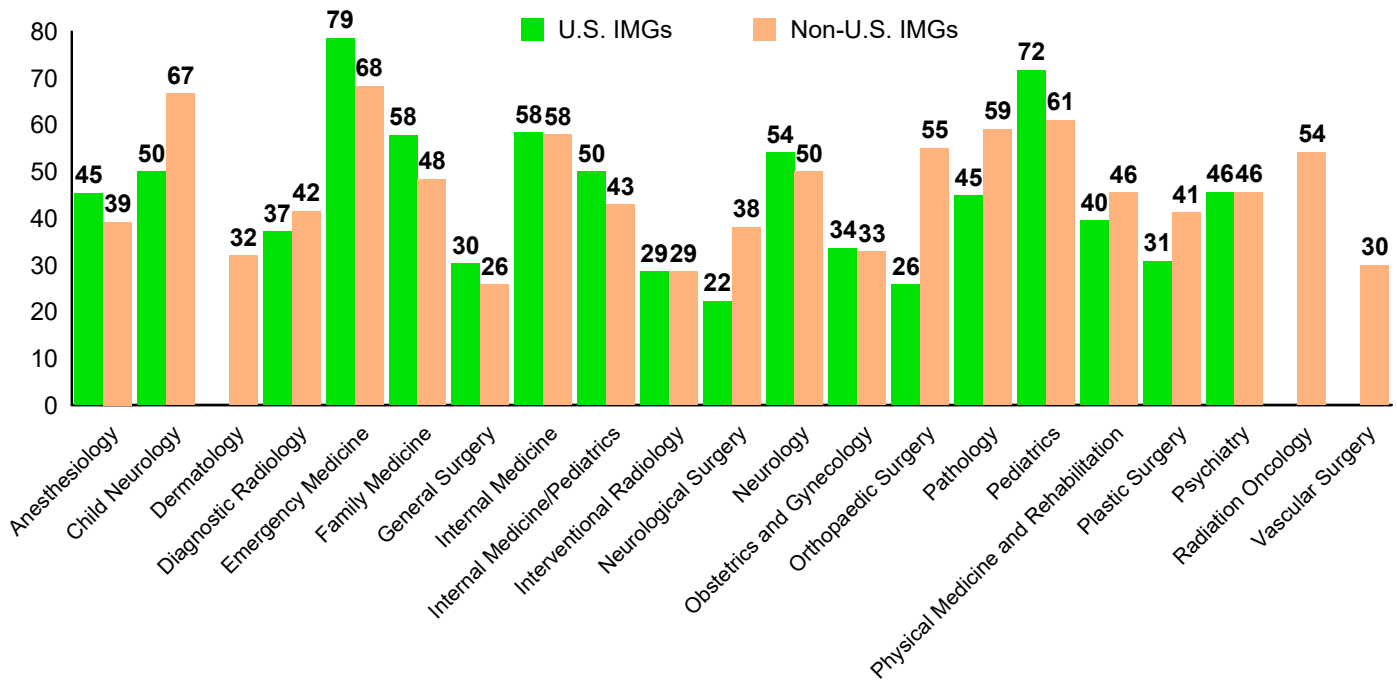


Source: NRMP Data Warehouse

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 Child Neurology, Emergency Medicine and Radiation Oncology, the number of applicants preferring each specialty was equal to or more than the number of available positions. For all applicants, Plastic 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, 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, 54.8 percent of U.S. IMGs matched to their preferred specialty, ranging from a high of 78.6 percent in Emergency Medicine to a low of 22.2 percent in Neurological Surgery. For non-U.S. IMGs, the overall match rate was 53.5 percent, ranging from a high of 68.3 percent in Emergency Medicine to a low of 25.8 percent in General Surgery. Match rates were lower for U.S. IMGs than non-U.S. IMGs in Child Neurology, Diagnostic Radiology, Neurological Surgery, Orthopaedic Surgery, Pathology, Physical Medicine & Rehabilitation and Plastic Surgery. Data were not reported for U.S. IMGs preferring Radiation Oncology.

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

Measure	U.S. IMGs		Non-U.S. IMGs	
	Matched (n=2,125)	Unmatched (n=1,597)	Matched (n=3,346)	Unmatched (n=2,782)
1. Mean number of contiguous ranks	8.0	2.5	6.7	2.6
2. Mean number of distinct specialties ranked	1.4	1.5	1.3	1.4
3. Mean USMLE Step 1 score	222	214	235	226
4. Mean USMLE Step 2 score	233	225	243	234
5. Mean number of research experiences	2.3	2.7	2.8	2.9
6. Mean number of abstracts, presentations, and publications	3.4	4.7	7.6	6.6
7. Mean number of work experiences	4.8	5.9	6.1	6.5
8. Mean number of volunteer experiences	5.1	4.2	4.6	4.0
9. Percentage who have a Ph.D. degree	0.6	2.2	2.8	2.5
10. Percentage who have another graduate degree	22.2	31.7	19.7	24.2

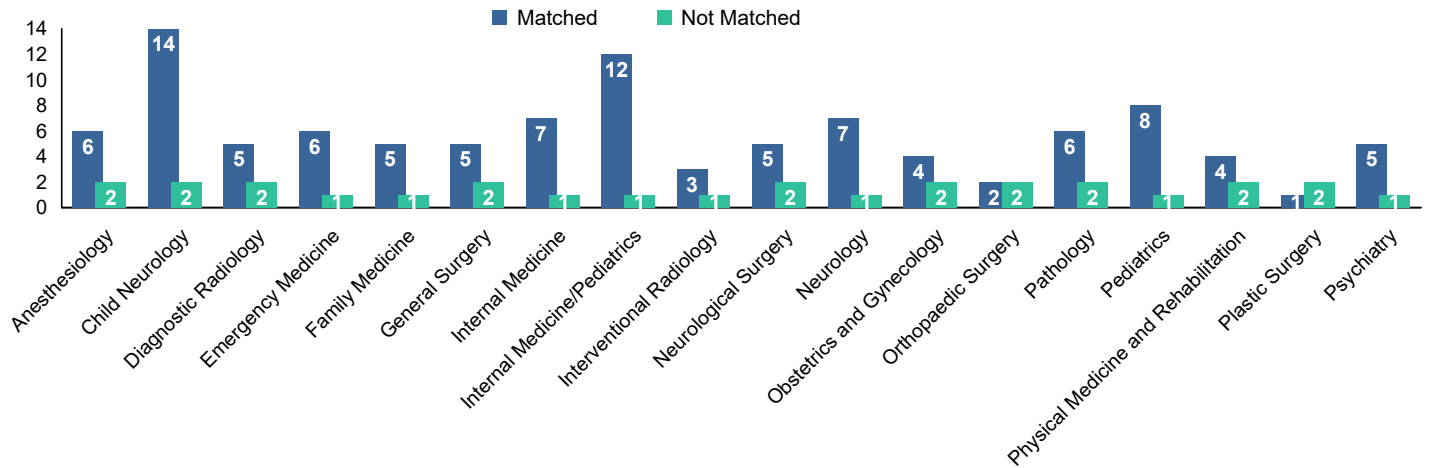
Source. NRMP Data Warehouse

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.

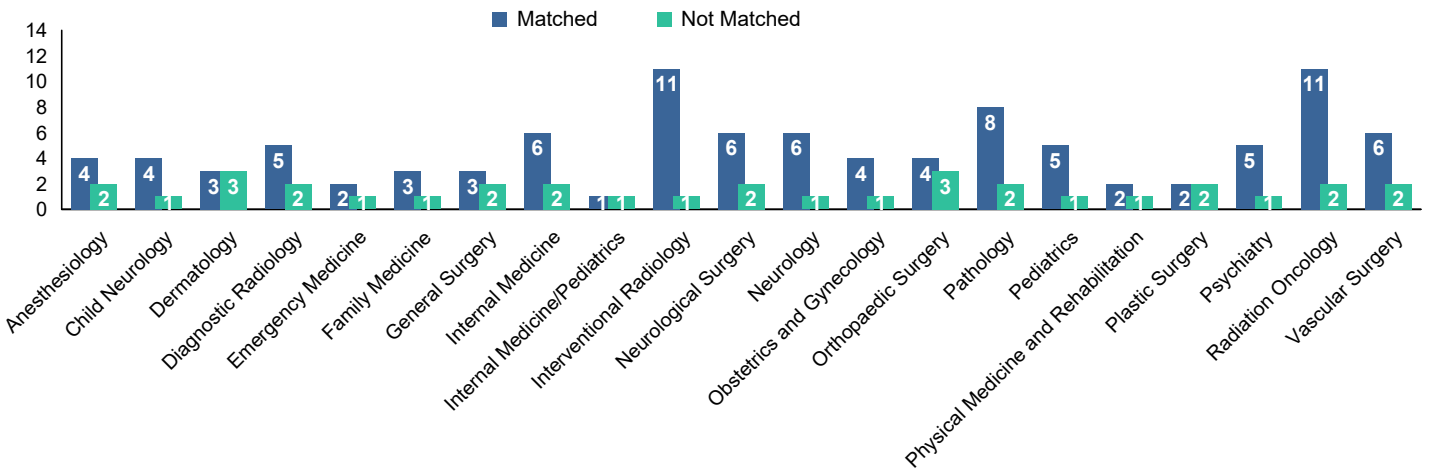
**Chart  
4**

**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).

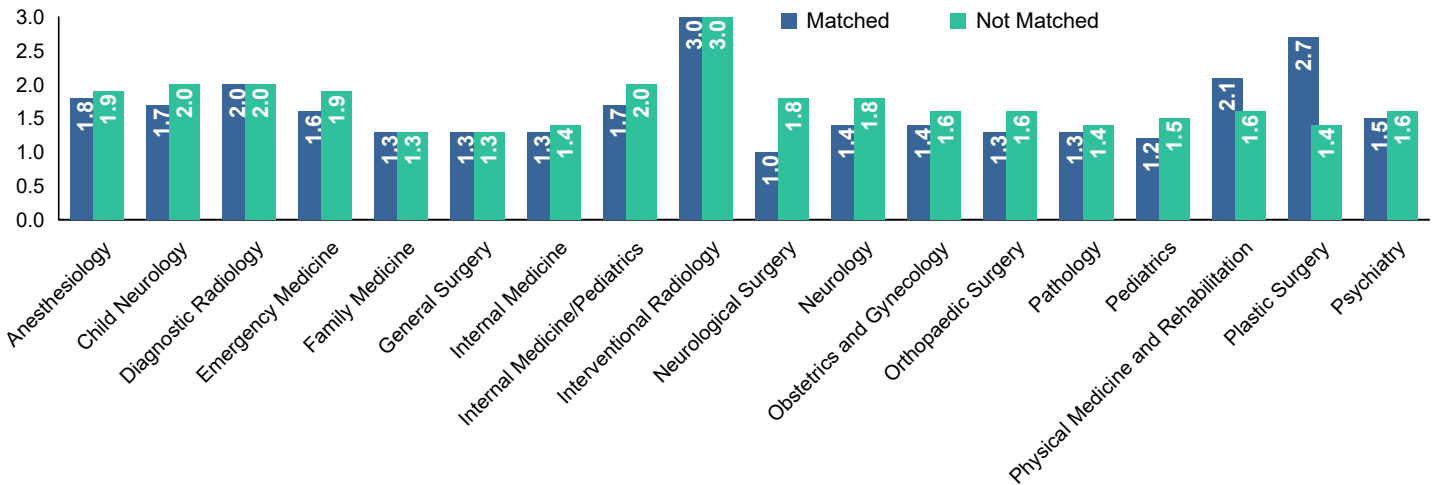
Chart 4 displays the median number of contiguous ranks by preferred specialty for U.S. IMGs and non-U.S. IMGs who matched and did not match to their preferred specialty. Both applicant types show variation across specialties. For almost all specialties, U.S. IMGs who matched to their preferred specialty had median contiguous rank lists that were longer than those of U.S. IMGs who did not match. Non-U.S. IMGs follow a similar pattern, although the number of contiguous ranks of matched non-U.S. IMGs were typically 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.

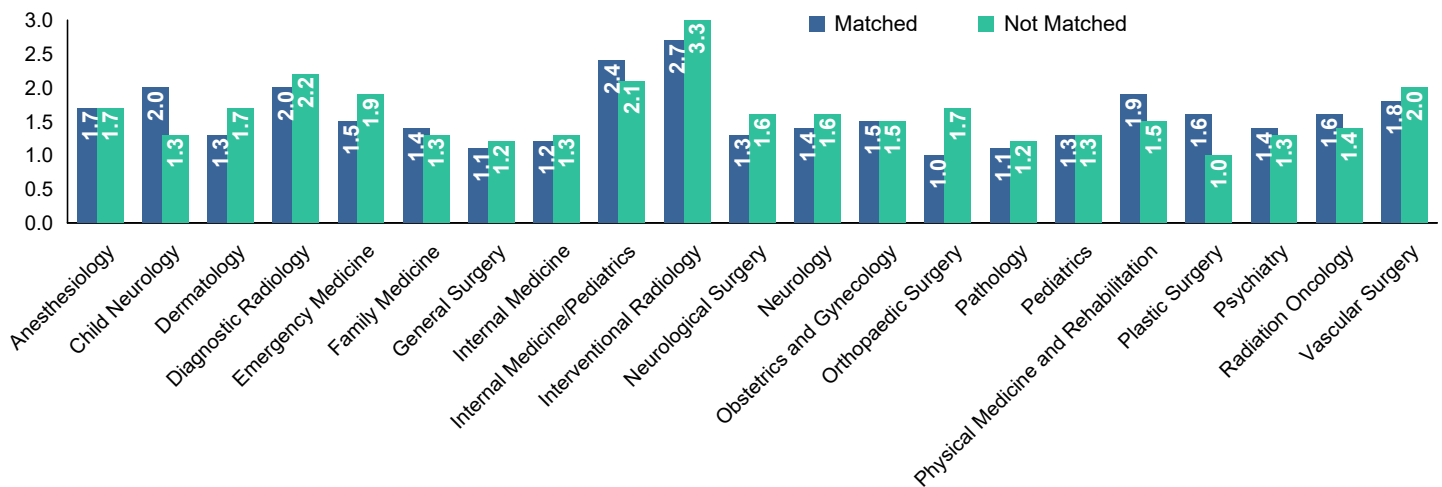
**Chart  
5**

**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**

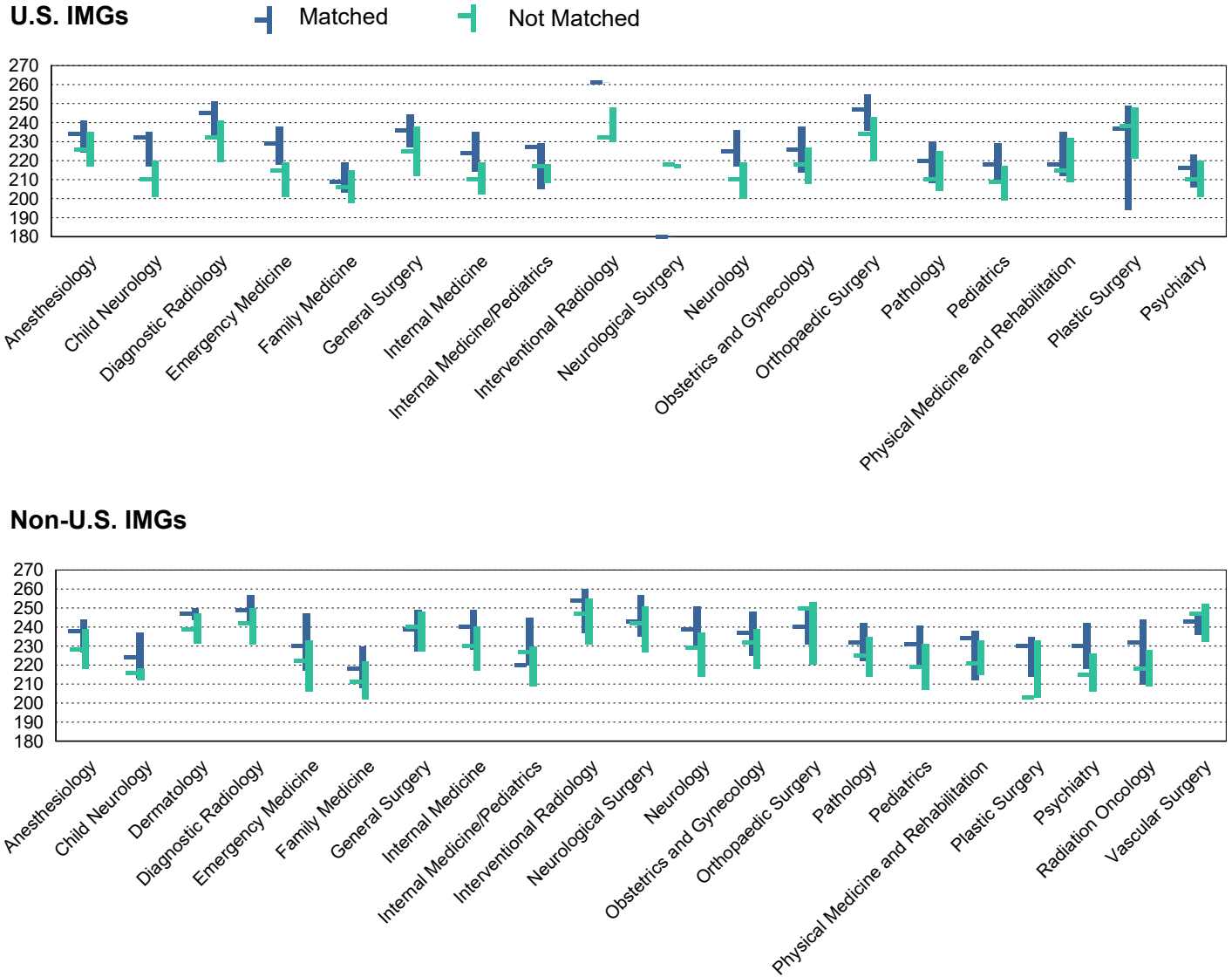


Source: NRMP Data Warehouse

Many applicants are interested in a single specialty while others consider two or more. Chart 5 displays the average number of different specialties ranked by IMG applicant type, preferred specialty, and Match outcome. The mean numbers of specialties ranked by IMGs who matched to their preferred specialty were similar (within 0.5) to those who did not match, with a few exceptions: Neurological Surgery, Physical Medicine & Rehabilitation and Plastic Surgery for U.S. IMGs, and Child Neurology, Orthopaedic Surgery and Plastic Surgery for non-U.S. IMGs.

**Chart  
6**

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



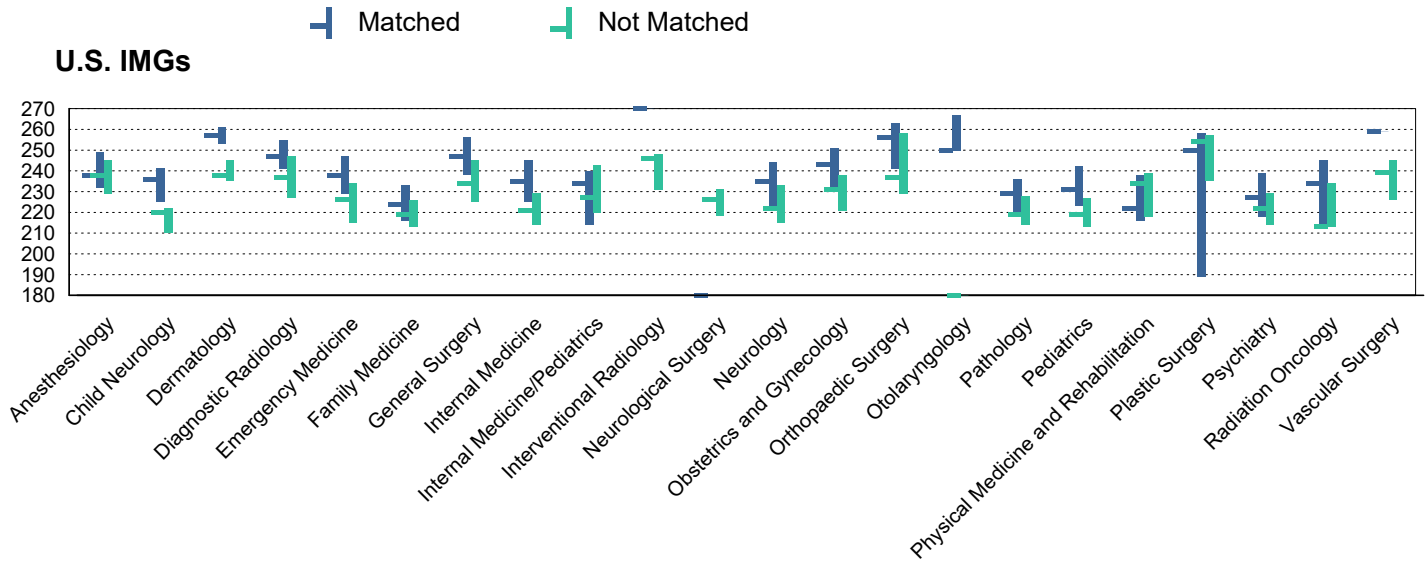
Source: NRMP Data Warehouse

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 during 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 221.5 (s.d. = 16.0) and matched non-U.S. IMGs had *mean* USMLE Step 1 scores of 235.1 (s.d. = 16.8), both well above the 2022 minimum passing score of 196. Step 1 scores were available for 94.5 percent of U.S. IMGs and 96.7 percent of non-U.S. IMGs who gave consent to research.

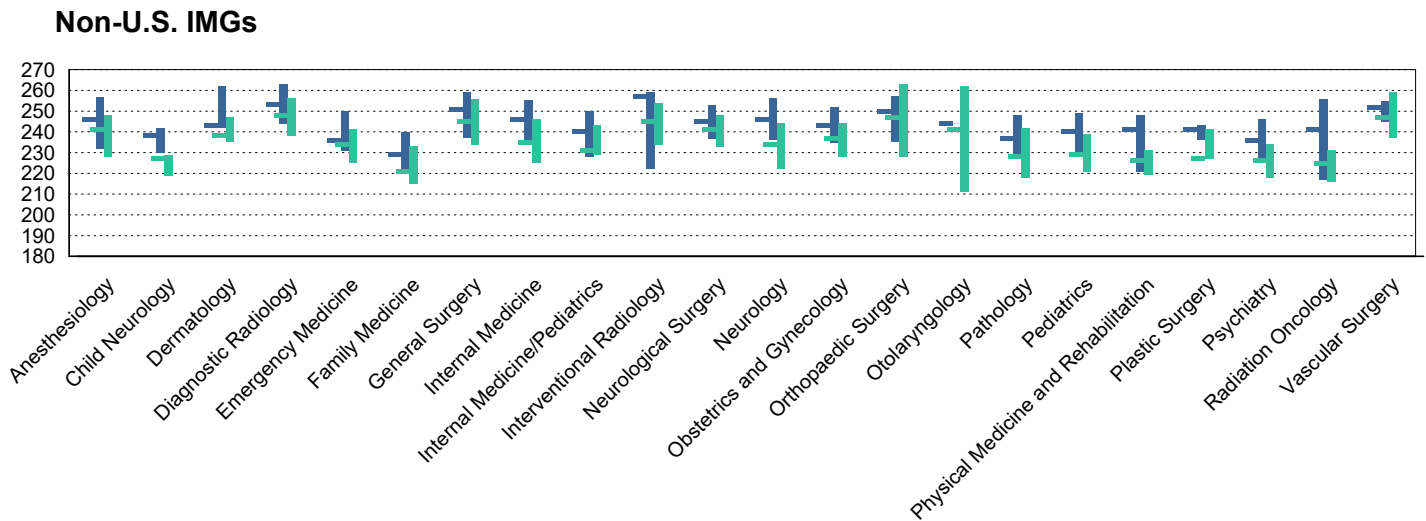
Chart 6 displays the Step 1 scores by specialty for matched and unmatched U.S. IMGs (top panel) and non-U.S. IMGs (bottom panel). The horizontal bars are the *median* values and the vertical lines show the interquartile ranges (IQR, the range of scores for applicants excluding the top and bottom quarters of the distribution). Specialties with too few data points lack the vertical bar. For matched U.S. IMGs, Interventional Radiology and Neurological Surgery serve as examples. Across most specialties, 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.

**Chart  
7**

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



Source: NRMP Data Warehouse



Source: NRMP Data Warehouse

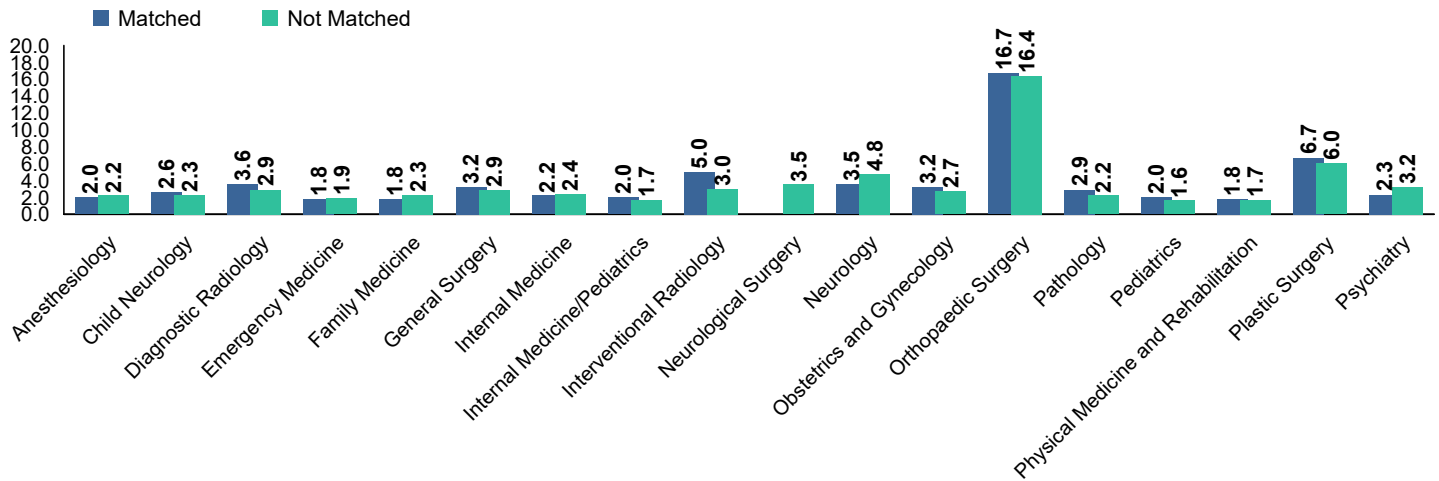
USMLE Step 2 CK scores are a measure of an applicant's ability to apply the medical knowledge, skills, and understanding of clinical science essential for providing patient care. Overall, matched U.S. IMGs had *mean* USMLE Step 2 CK scores of 233.0 (s.d. = 14.3) and matched non-U.S. IMGs had *mean* USMLE Step 2 scores of 242.9 (s.d. = 14.9), both well above the 2022 minimum passing score of 209. Step 2 scores were available for 92 percent of U.S. IMGs and 95.9 percent of non-U.S. IMGs who gave consent to research.

Chart 7 shows the Step 2 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.

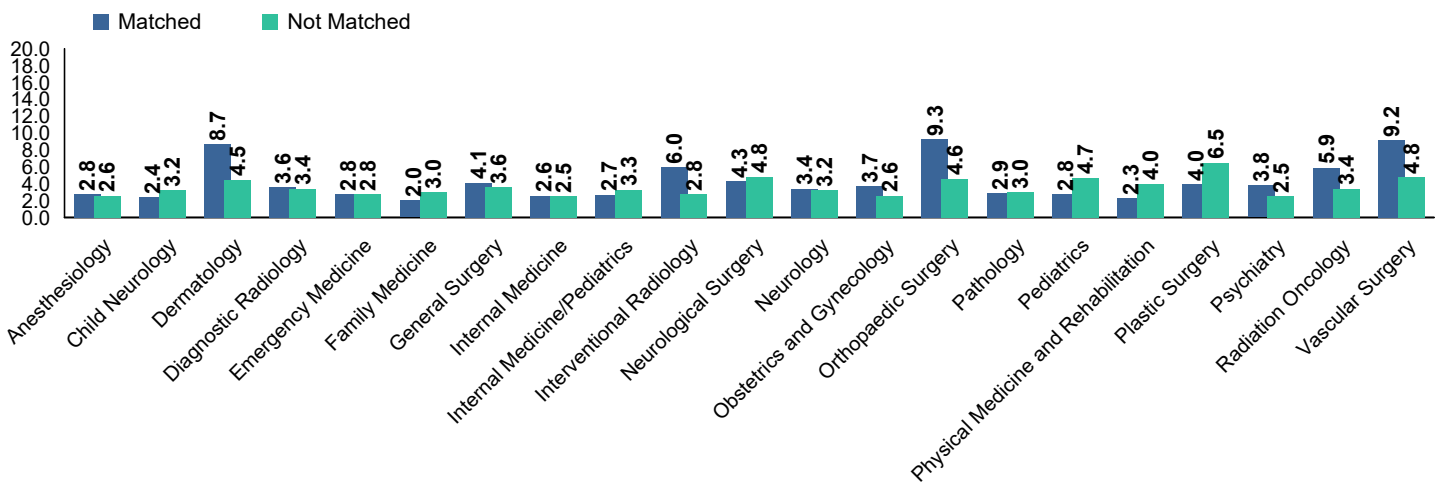
**Chart 8**

**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 2.5 research experiences, with 84.7 percent reporting at least one research experience. Non-U.S. IMGs averaged 2.9 research experiences, with 88.0 percent reporting at least one research experience. In most specialties, matched U.S. IMGs reported a greater number of research experiences than their unmatched counterparts. Data is unavailable for matched IMG applicants preferring Neurological Surgery due to the very low numbers of unmatched applicants. Matched non-U.S. IMGs also reported considerably greater numbers of research experiences than unmatched non-U.S. IMGs in competitive specialties such as Dermatology, Interventional Radiology, Orthopaedic Surgery, and Vascular Surgery, as well as in Radiation Oncology.

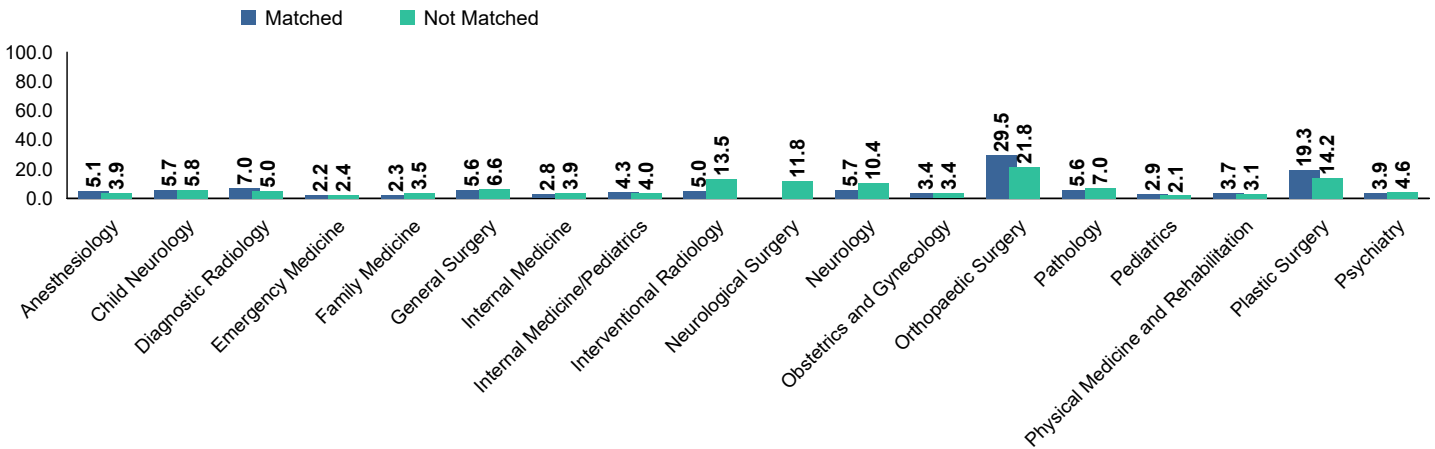


**Chart  
9**

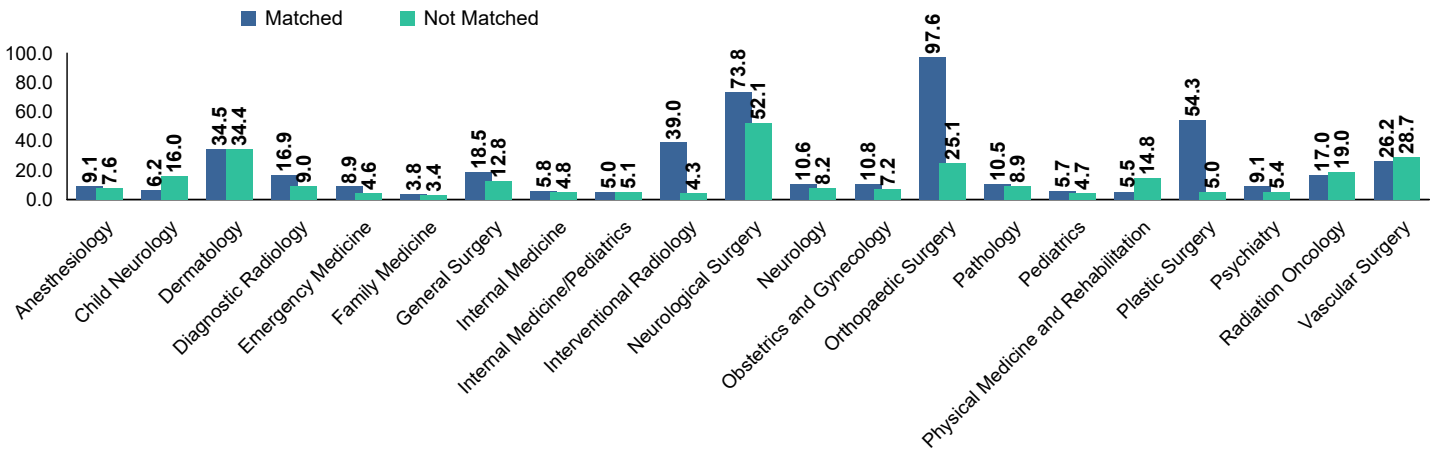
**Mean Number of Abstracts, Presentations, and Publications of International Medical Graduates**

*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.

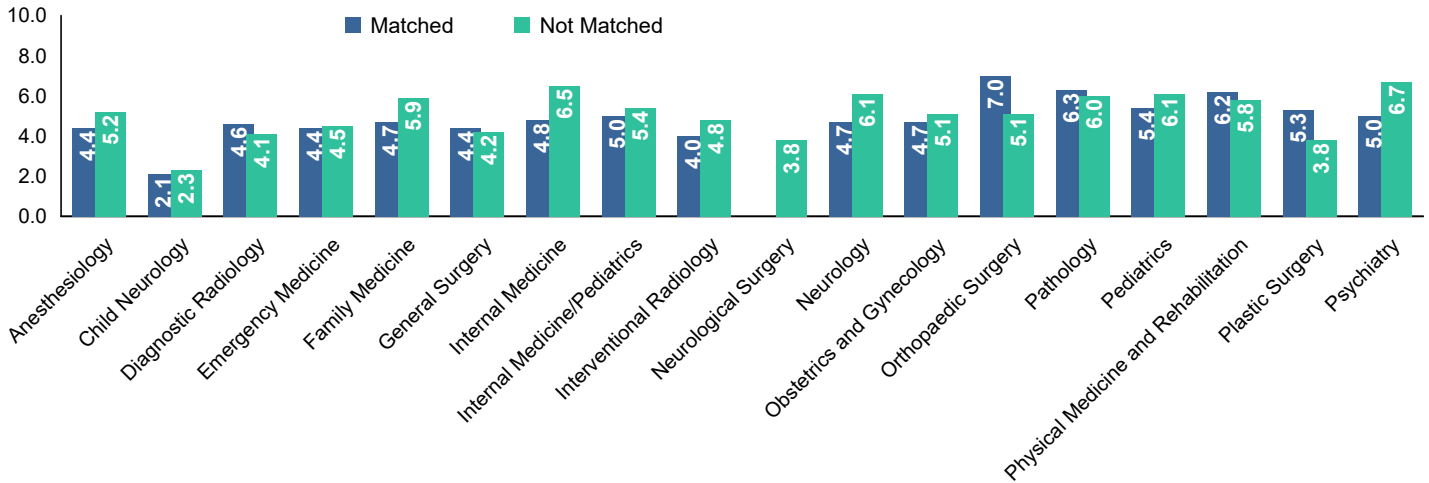
Many applicants report abstracts, presentations, or publications, sometimes dozens or even hundreds. In the individual specialty sections, we distinguish between no publications, 1 to 5 publications, and more than 5 publications. Chart 9 shows the average number of publications by IMG applicant type,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

83.7 percent of U.S. IMGs reported at least one publication, compared to 88.1 percent of non-U.S. IMGs. The average number of publications was 4.0 for U.S. IMGs and 7.3 for non-U.S. IMGs. Large numbers of publications can be found in surgical specialties such as Dermatology, Interventional Radiology, Neurological Surgery, Orthopaedic Surgery, Plastic Surgery, and Vascular Surgery. The sample sizes for those specialties are generally small for IMGs. Data is unavailable for matched U.S. IMGs preferring Neurological Surgery due to the very low numbers of those applicants reporting on these measures.

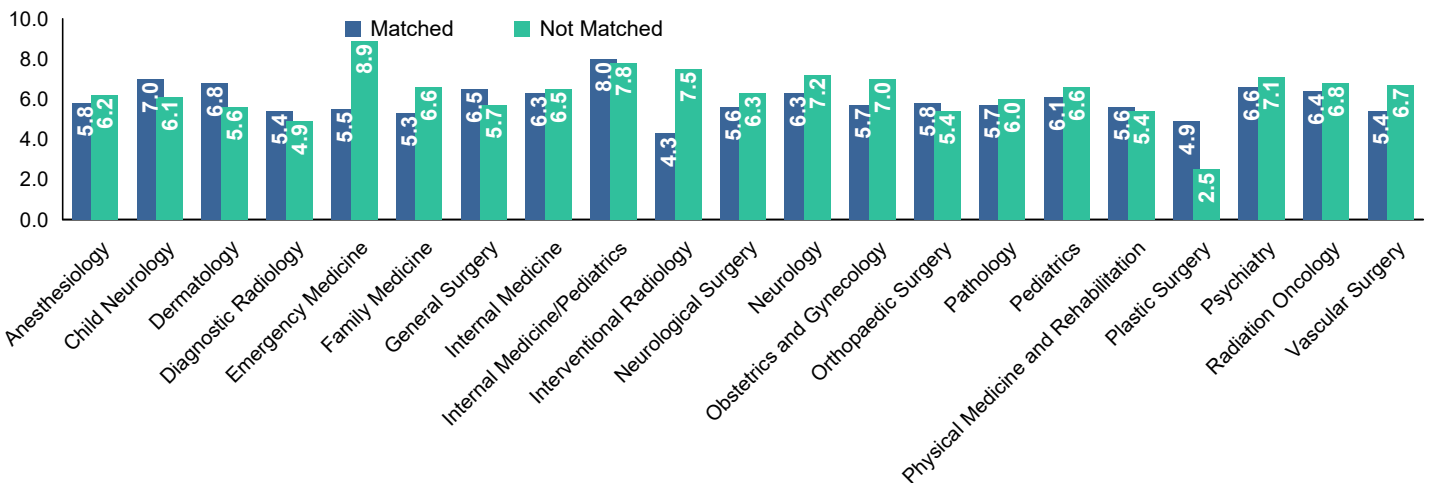
**Chart  
10**

**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**



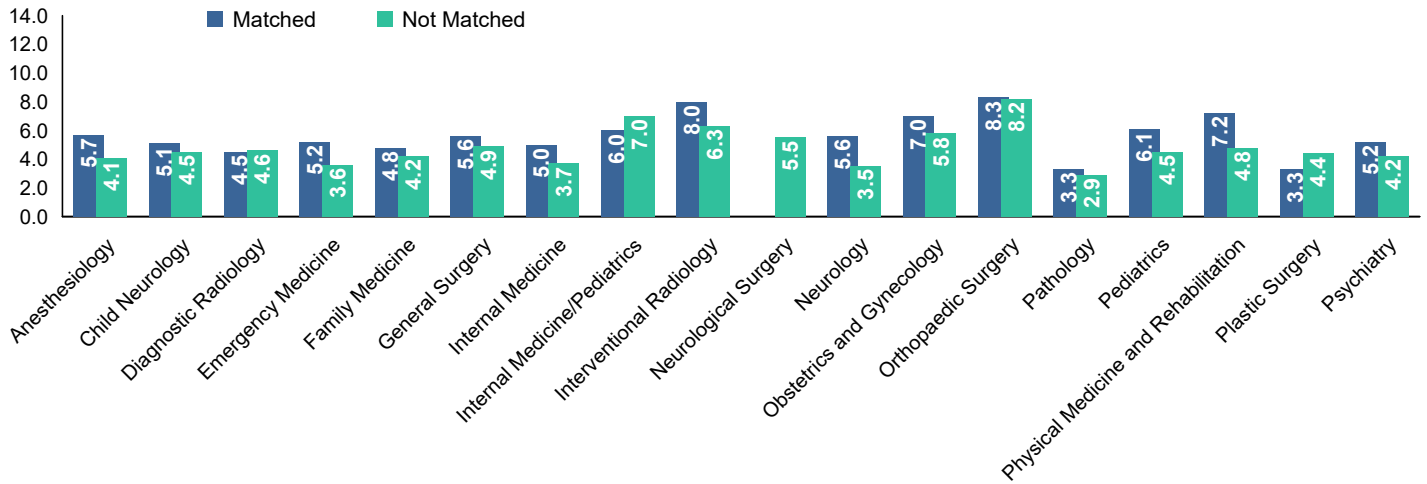
Source: NRMP Data Warehouse

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 (6.3 compared to 5.3). A larger percentage of non-U.S. IMGs reported at least one work experience (92.0% compared to 88.6% for U.S. IMGs). Data is unavailable for matched U.S. IMGs preferring Neurological Surgery due to the very low numbers of those applicants reporting on these measures.

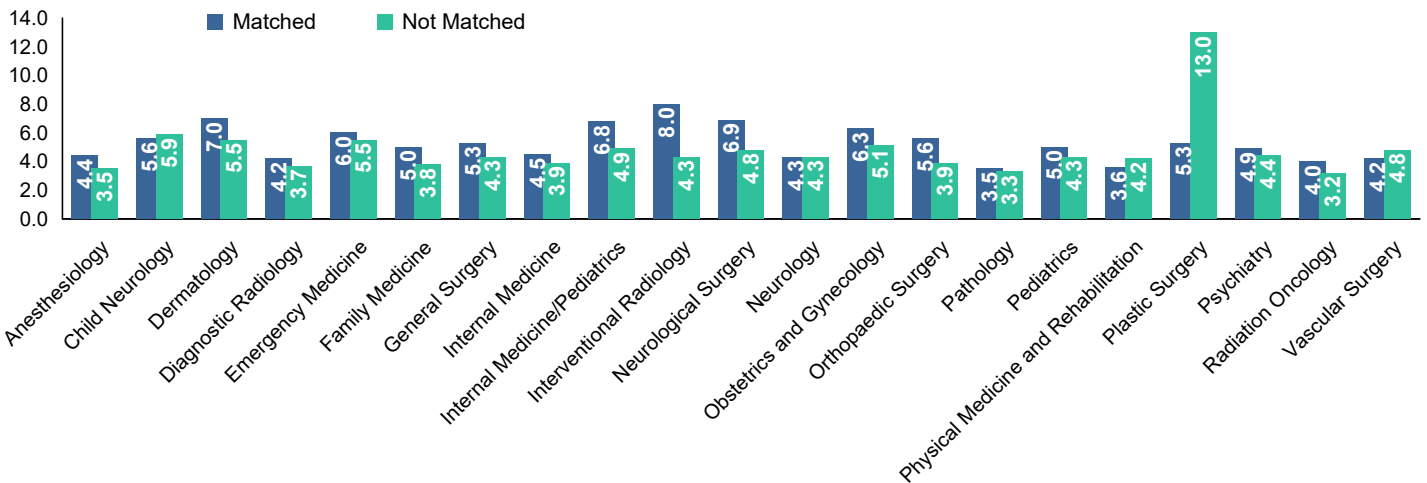
**Chart  
11**

**Mean Number of Volunteer 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

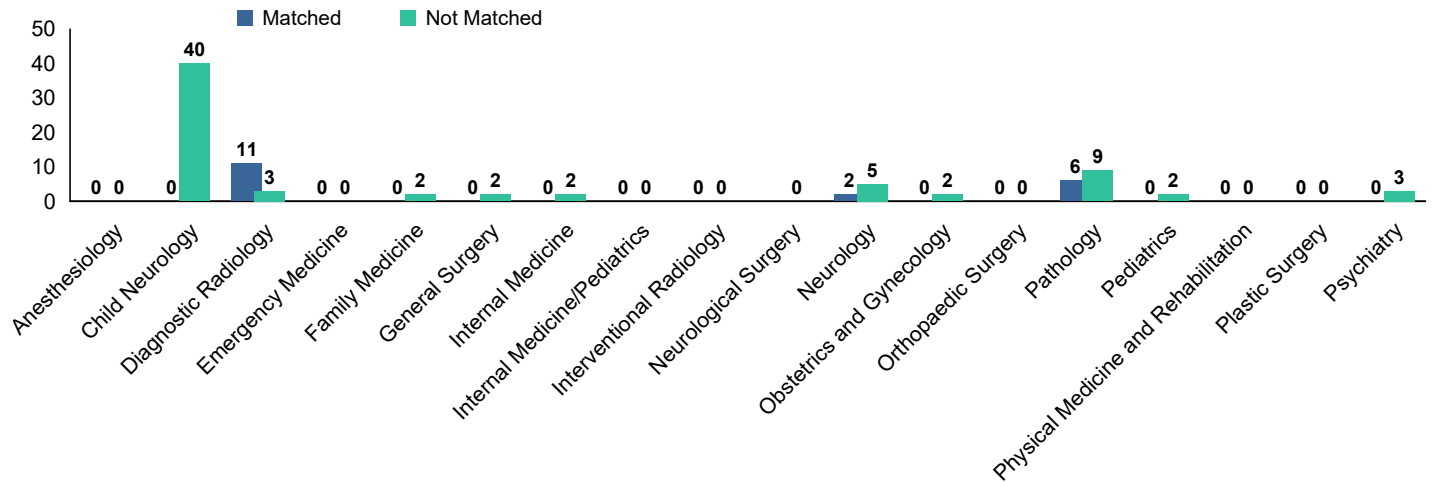
Applicants were asked to list the number of volunteer experiences they reported in their ERAS applications. Chart 11 displays the average number of volunteer experiences by IMG applicant type, preferred specialty, and Match outcome. In most specialties, matched IMGs in both groups had more volunteer experiences than their unmatched counterparts.

Overall, U.S. IMGs averaged 4.7 volunteer experiences and non-U.S. IMGs averaged 4.3 volunteer experiences. At least one volunteer experience was reported by 88.0 percent of U.S. IMGs and 90.1 percent of non-U.S. IMGs.

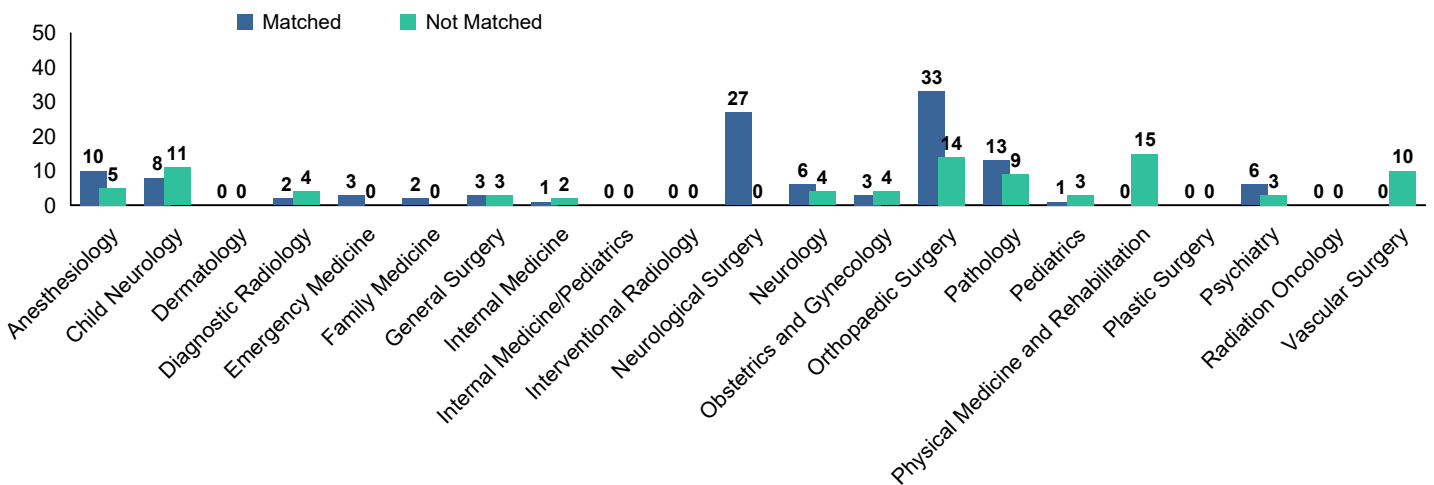
**Chart  
12**

**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

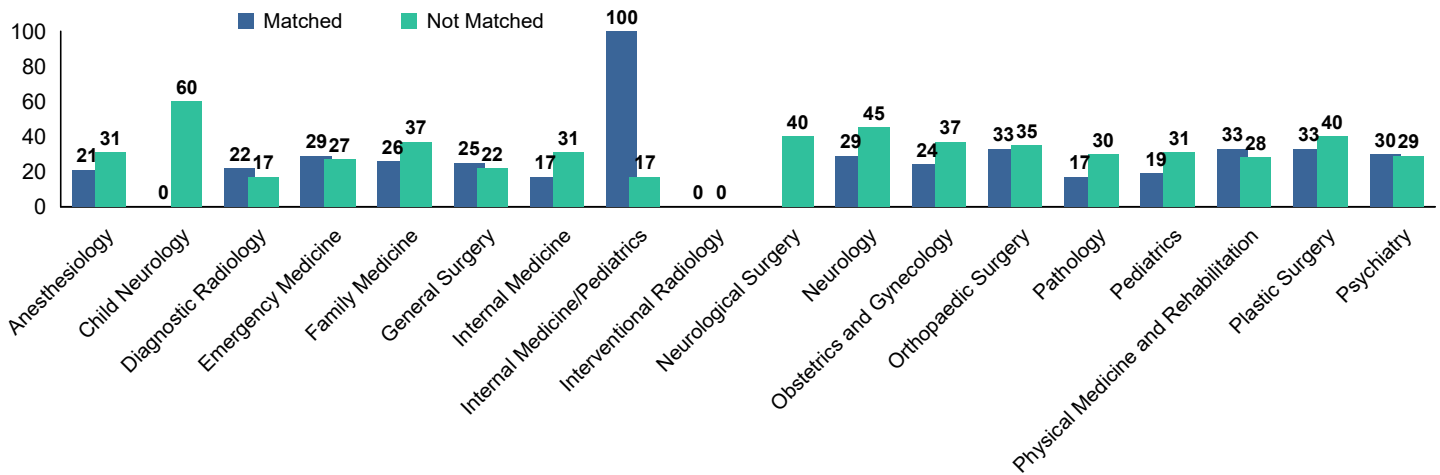
Chart 12 shows by preferred specialty, match status, and IMG applicant type the percentage of IMGs who have a Ph.D. degree. More non-U.S. IMGs (2.5%) reported Ph.D. degrees than U.S. IMGs (1.2%) although percentages are very small. Although the percentages of Ph.D. degree holders are higher in a handful of select specialties for both U.S. IMGs and non-U.S. IMGs, the numbers of IMGs holding Ph.D. degrees are too small to draw meaningful conclusions across specialties.

**Chart  
13**

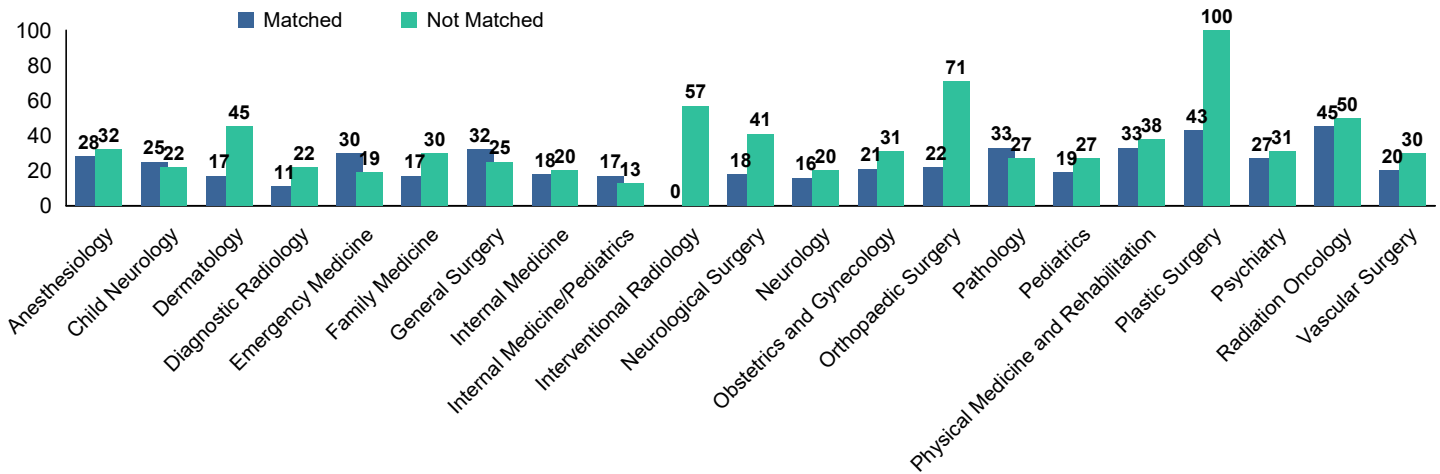
**Percentage of International Medical Graduates Who Have Another Graduate Degree**

*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. The majority of specialties had a larger proportion of U.S. IMGs who did not match to their preferred specialty report a graduate degree than did their matched counterparts. The same is true among non-U.S. IMGs.

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**AN** Anesthesiology

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

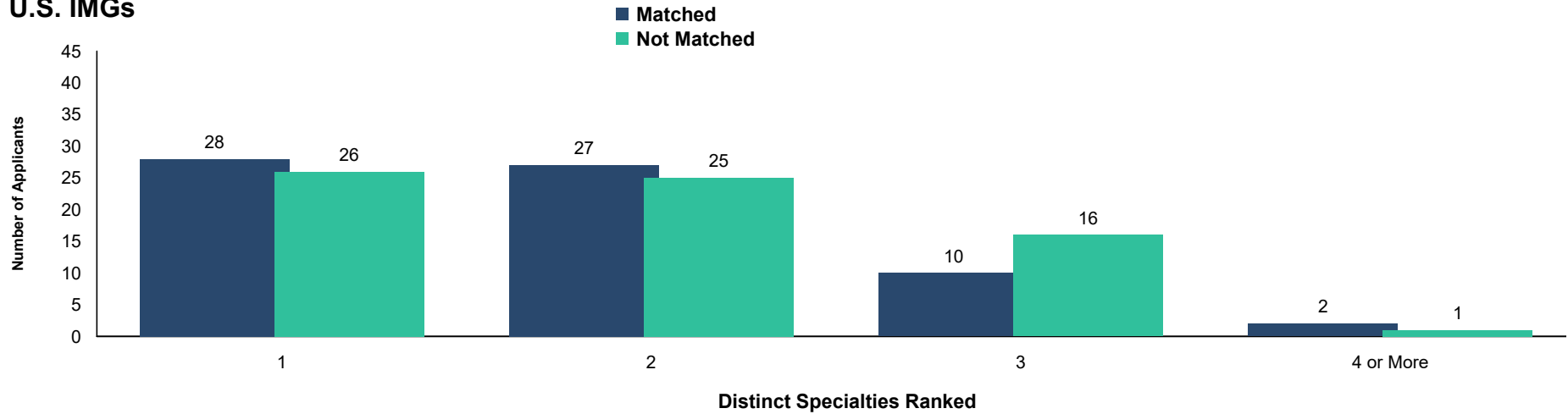
Measure	U.S. IMGs		Non-U.S. IMGs	
	Matched (n=68)	Unmatched (n=69)	Matched (n=62)	Unmatched (n=85)
1. Mean number of contiguous ranks	7.1	3.2	4.8	2.9
2. Mean number of distinct specialties ranked	1.8	1.9	1.7	1.7
3. Mean USMLE Step 1 score	233	226	234	229
4. Mean USMLE Step 2 score	240	236	243	239
5. Mean number of research experiences	2.0	2.2	2.8	2.6
6. Mean number of abstracts, presentations, and publications	5.1	3.9	9.1	7.6
7. Mean number of work experiences	4.4	5.2	5.8	6.2
8. Mean number of volunteer experiences	5.7	4.1	4.4	3.5
9. Percentage who have a Ph.D. degree	0.0	0.0	10.0	4.9
10. Percentage who have another graduate degree	20.9	30.6	28.3	31.7

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

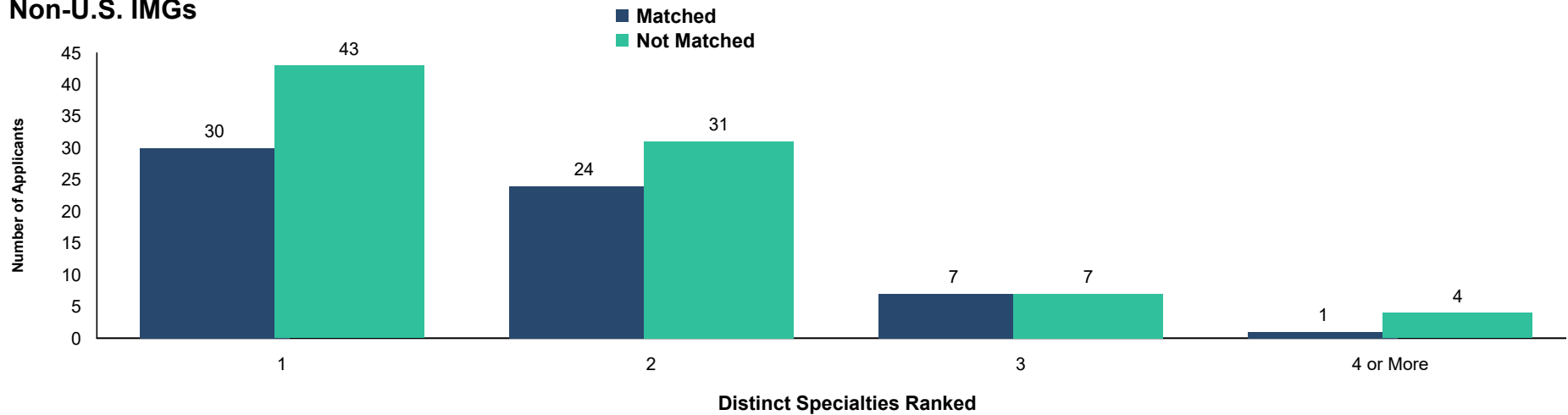
**Chart  
AN-1**

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

**U.S. IMGs**



**Non-U.S. IMGs**



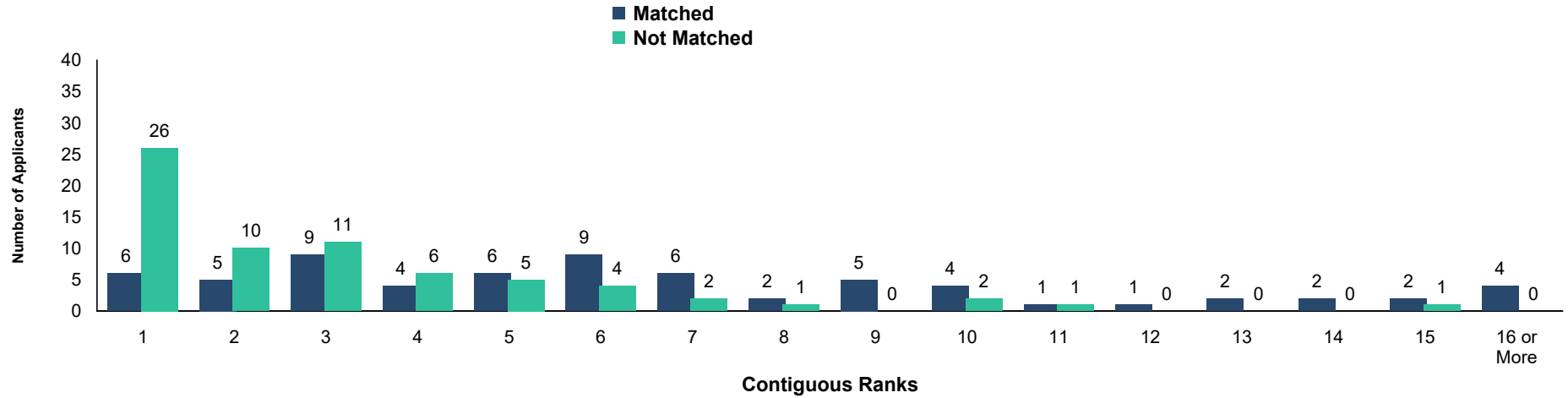
Source: NRMP Data Warehouse



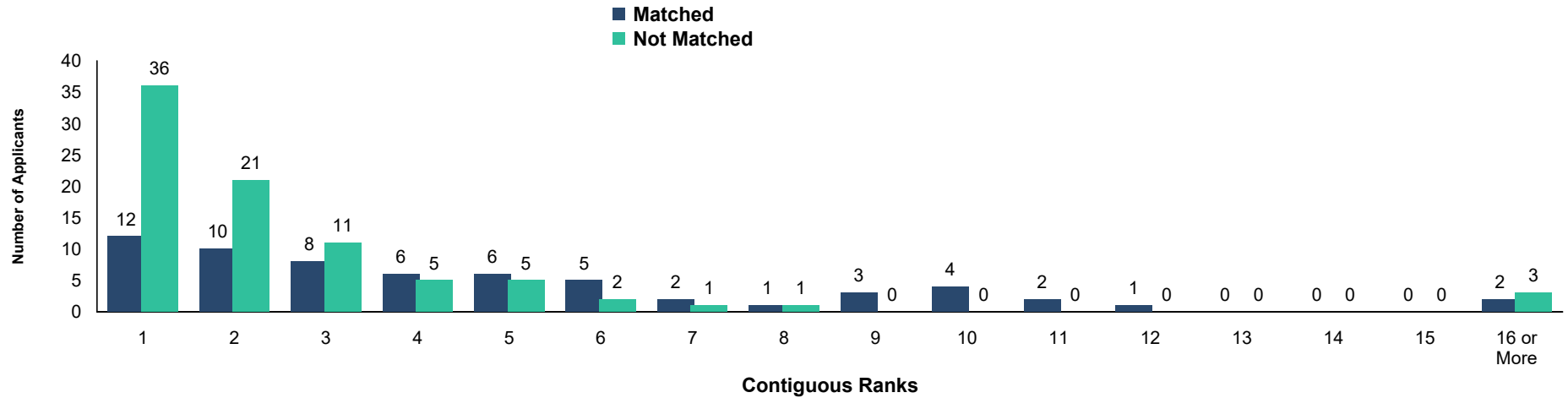
**Chart  
AN-2**

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

**U.S. IMGs**



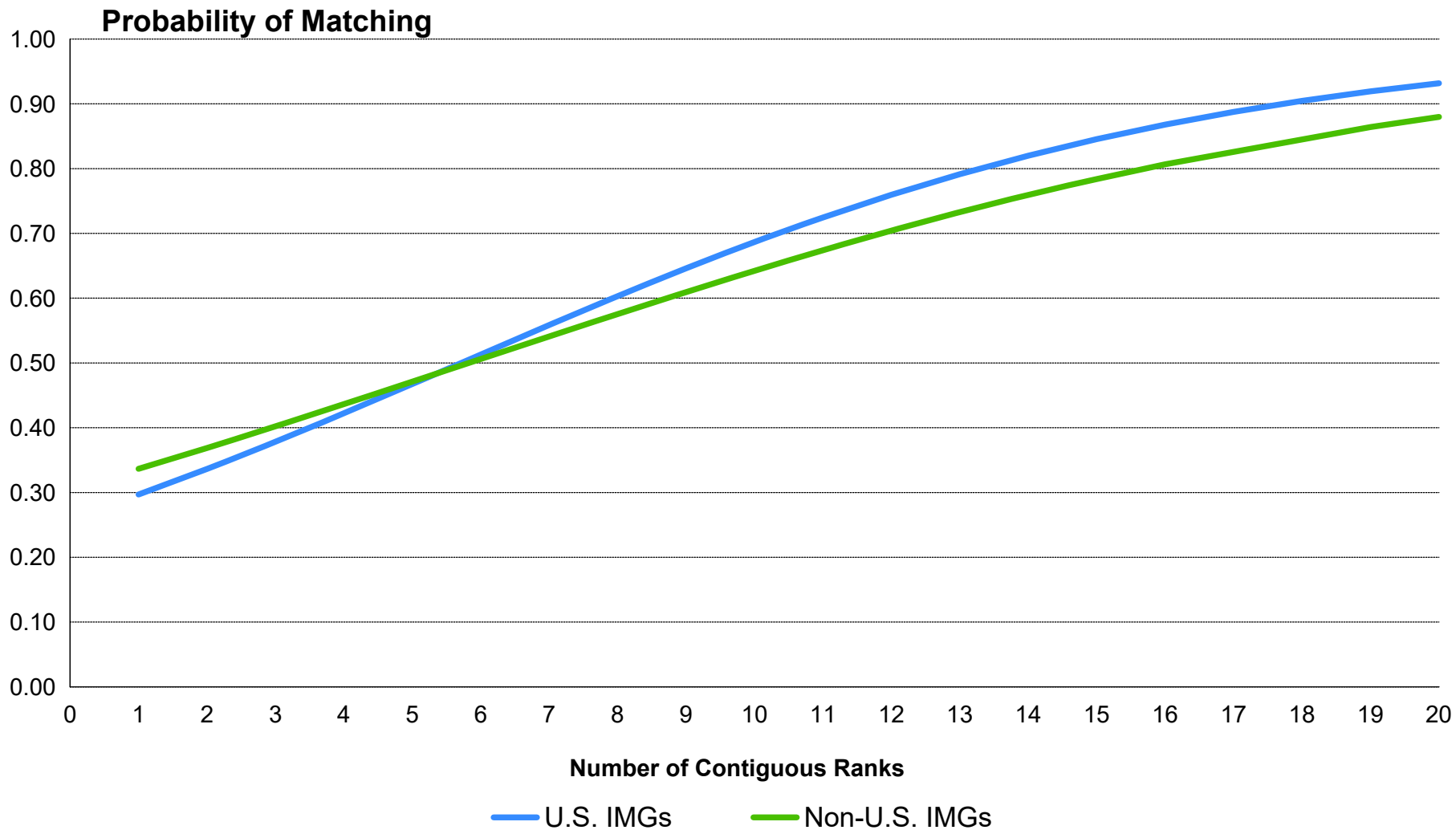
**Non-U.S. IMGs**



Source: NRMP Data Warehouse

**Graph  
AN-1**

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

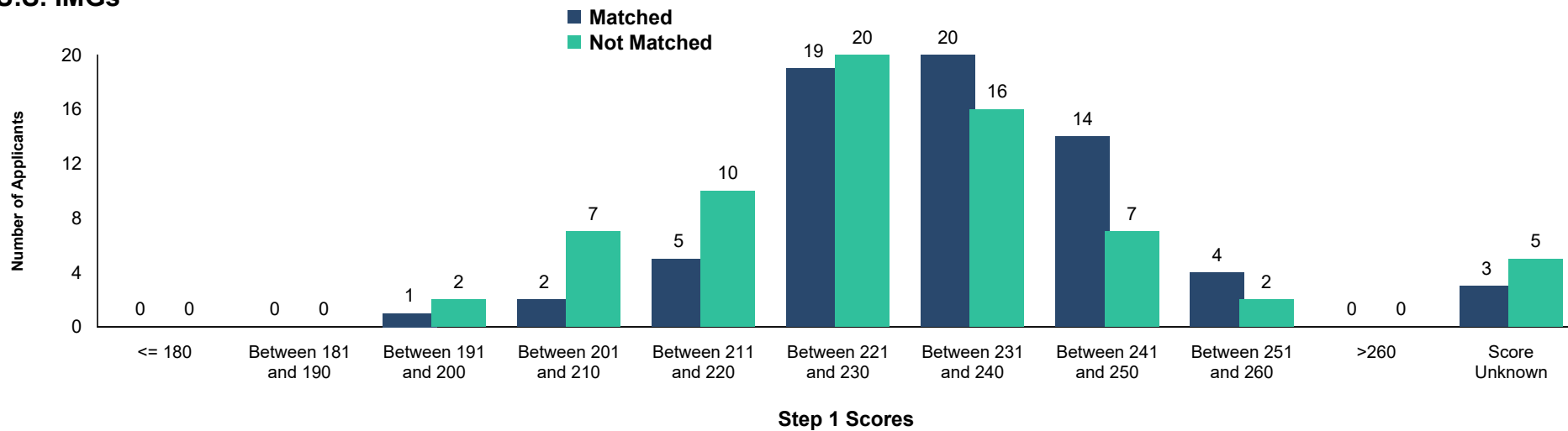


Source: NRMP Data Warehouse. Note: Probabilities calculated based on 2020-2022 applicants

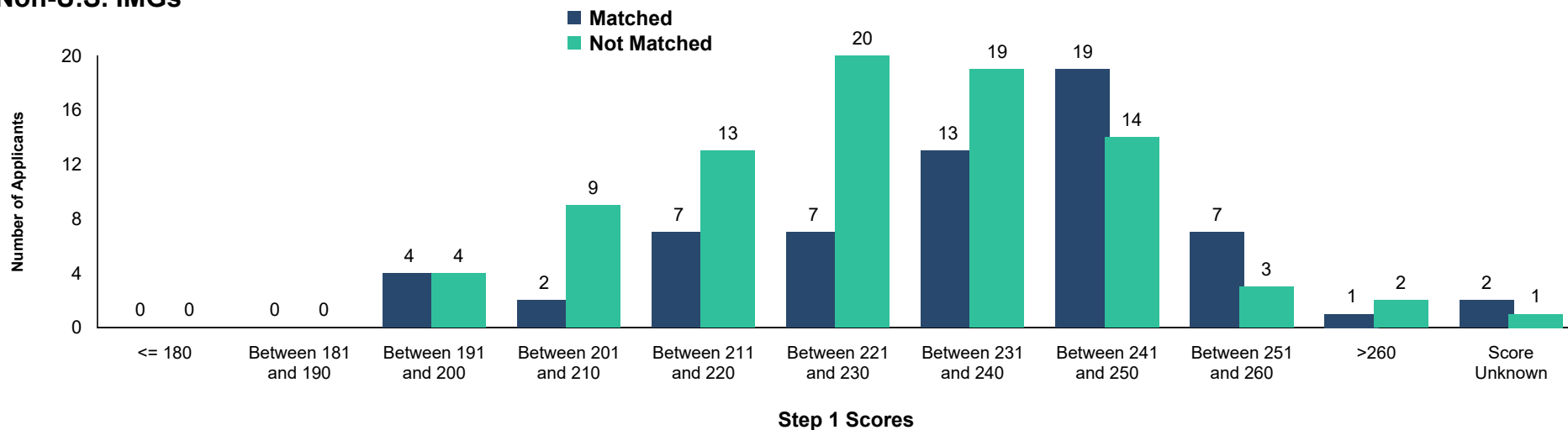
**Chart  
AN-3**

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

**U.S. IMGs**



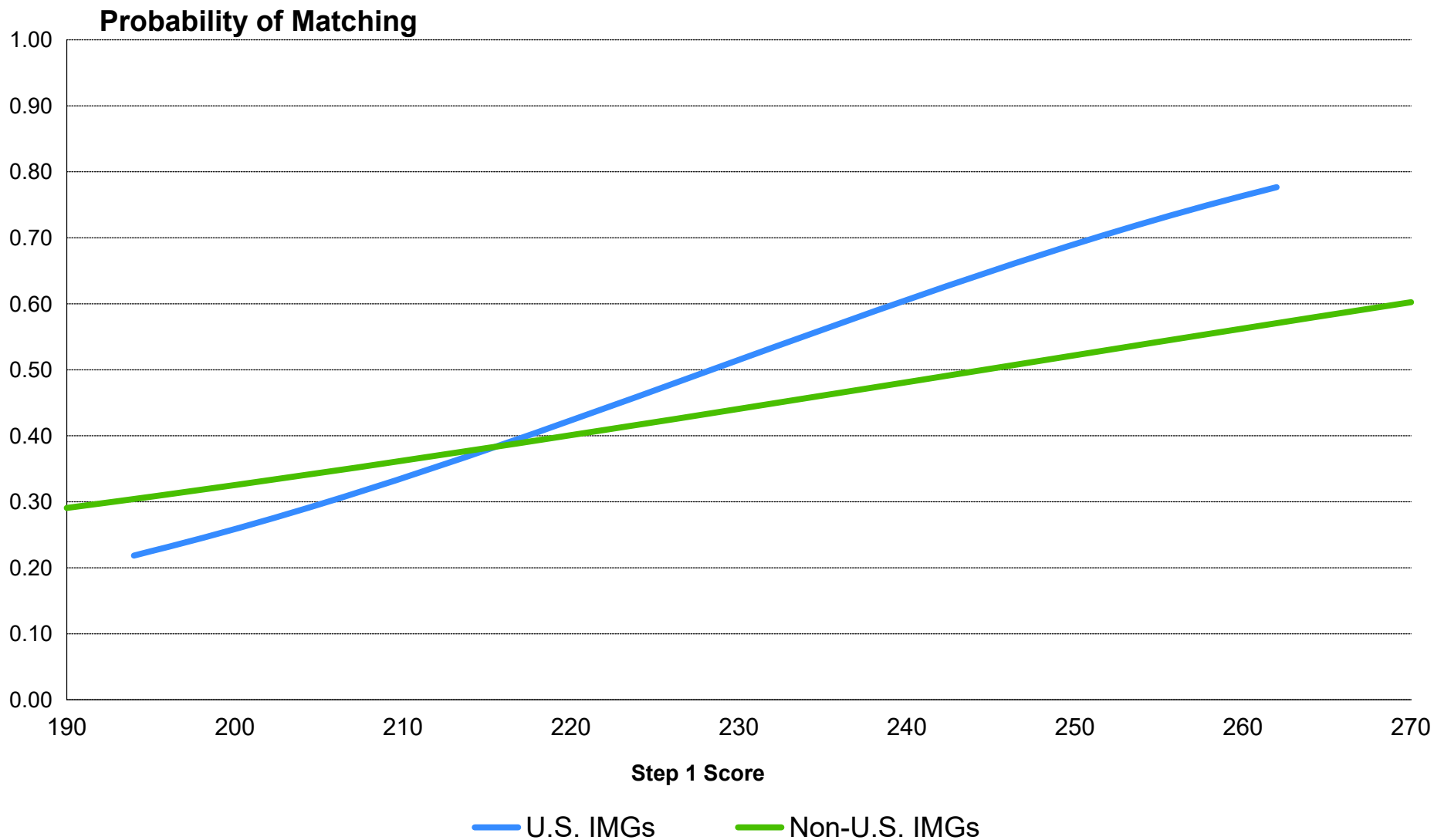
**Non-U.S. IMGs**



Source: NRMP Data Warehouse

**Graph  
AN-2**

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

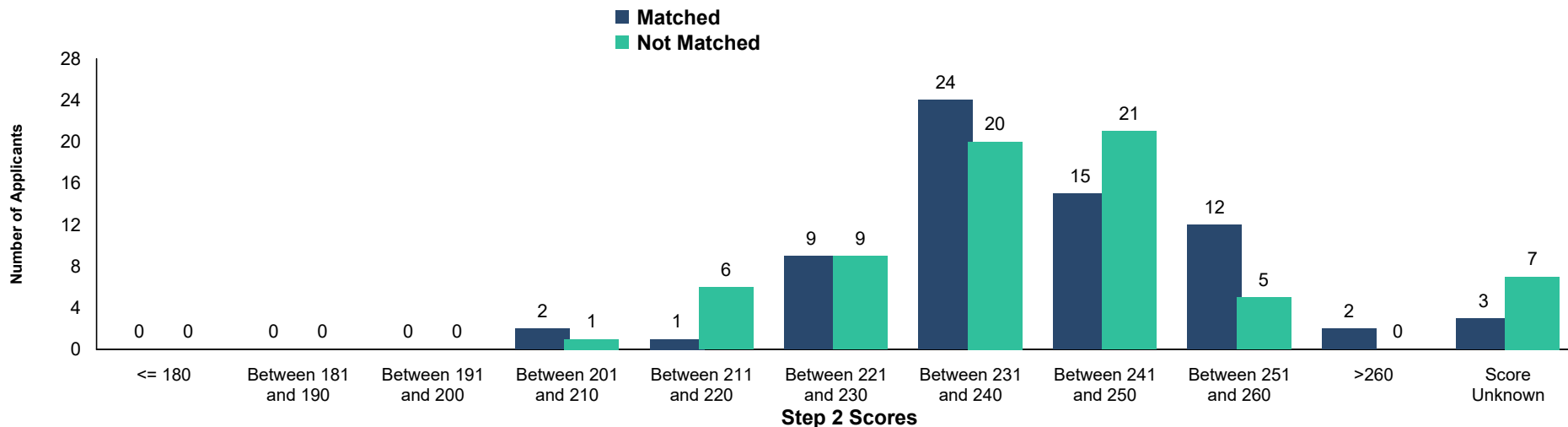


Source: NRMP Data Warehouse. Note: Probabilities calculated based on 2020-2022 applicants.

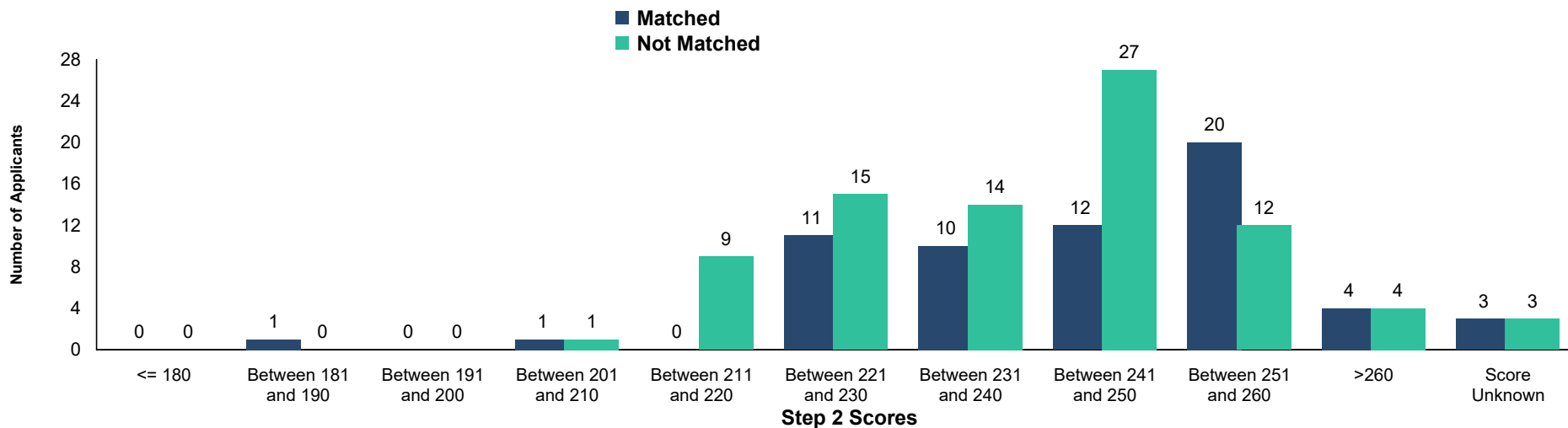
**Chart  
AN-4**

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

**U.S. IMGs**



**Non-U.S. IMGs**

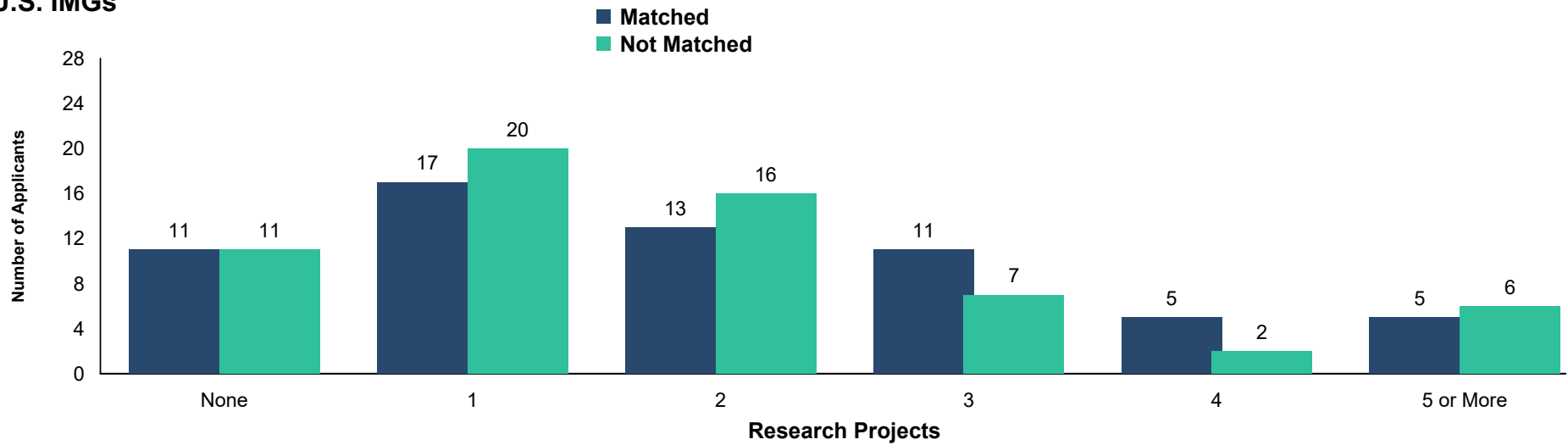


Source: NRMP Data Warehouse

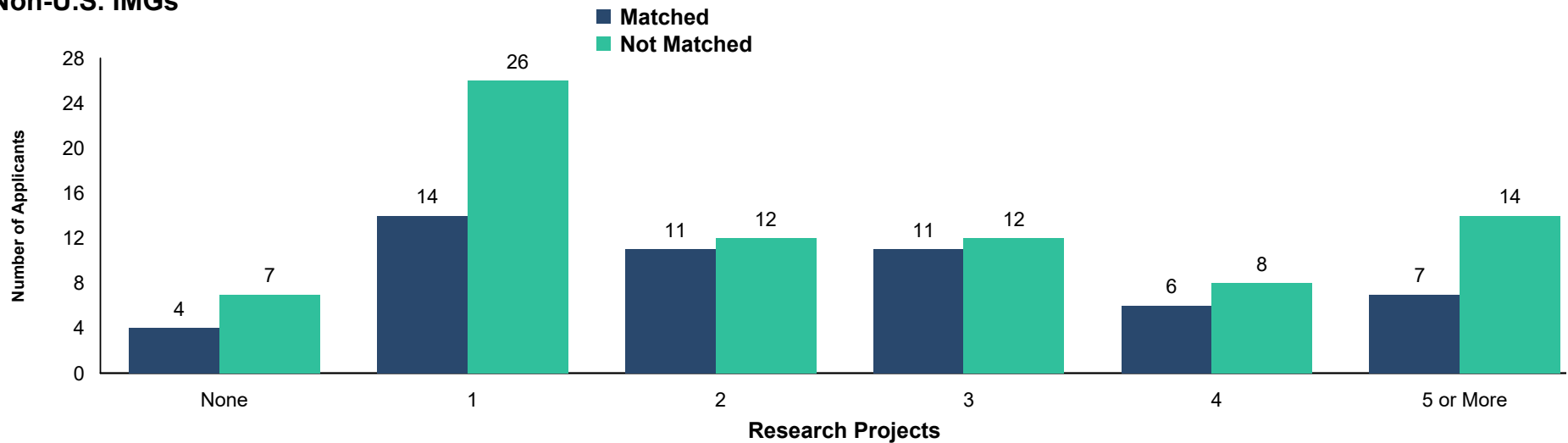
**Chart  
AN-5**

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

**U.S. IMGs**



**Non-U.S. IMGs**

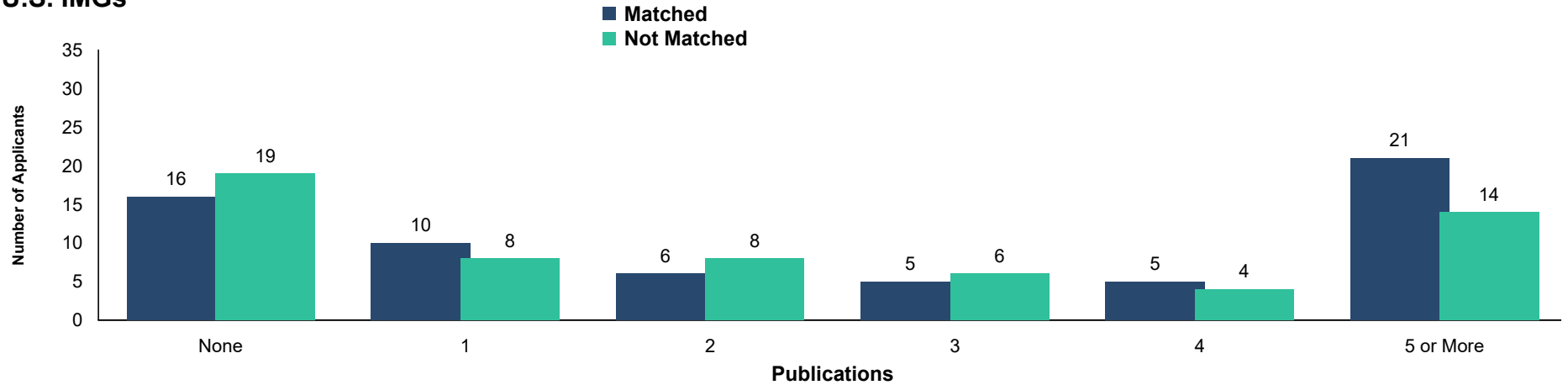


Source: NRMP Data Warehouse

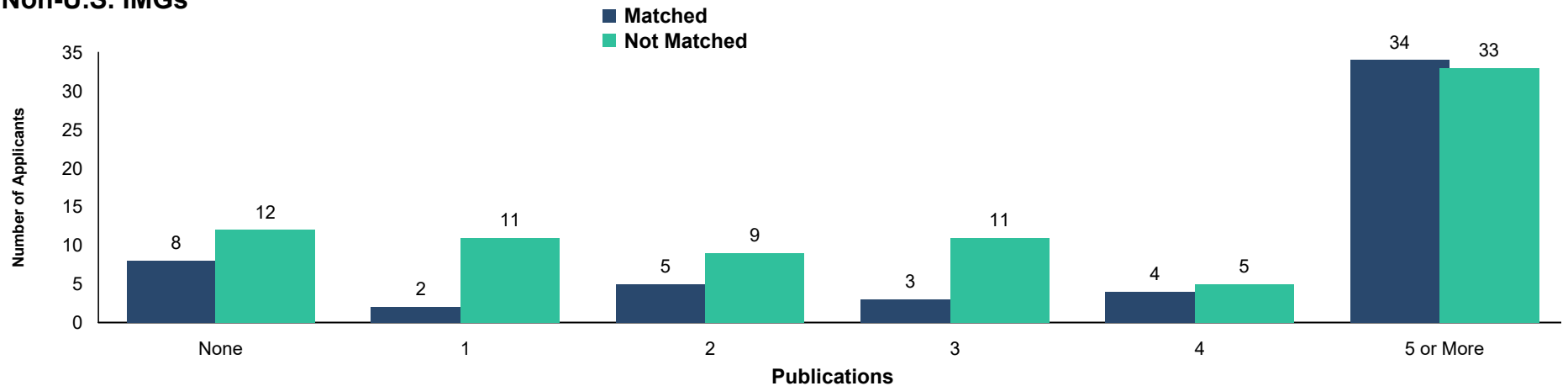
**Chart  
AN-6**

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

**U.S. IMGs**



**Non-U.S. IMGs**

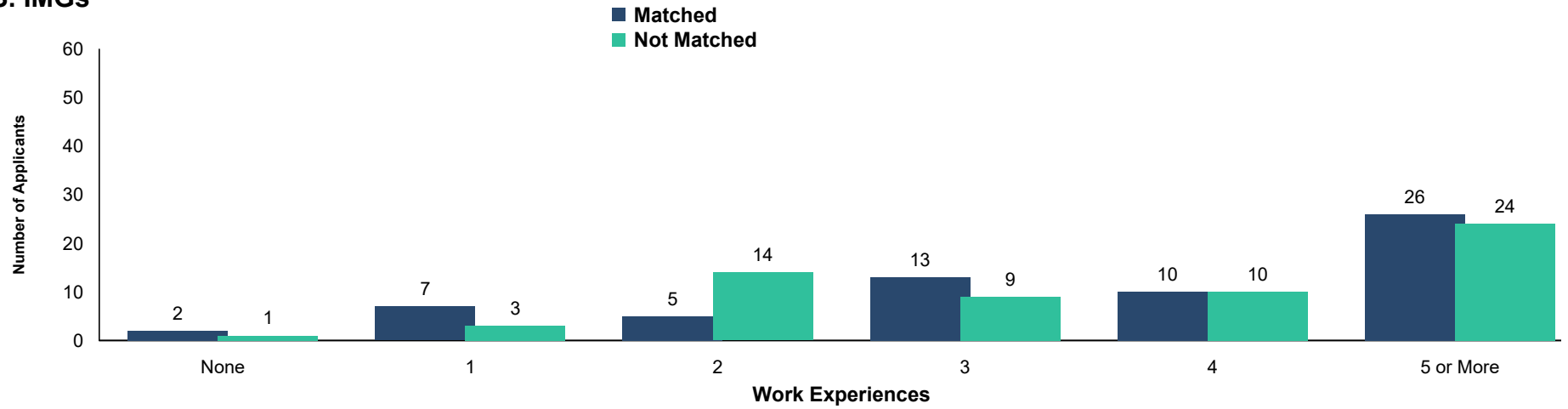


Source: NRMP Data Warehouse

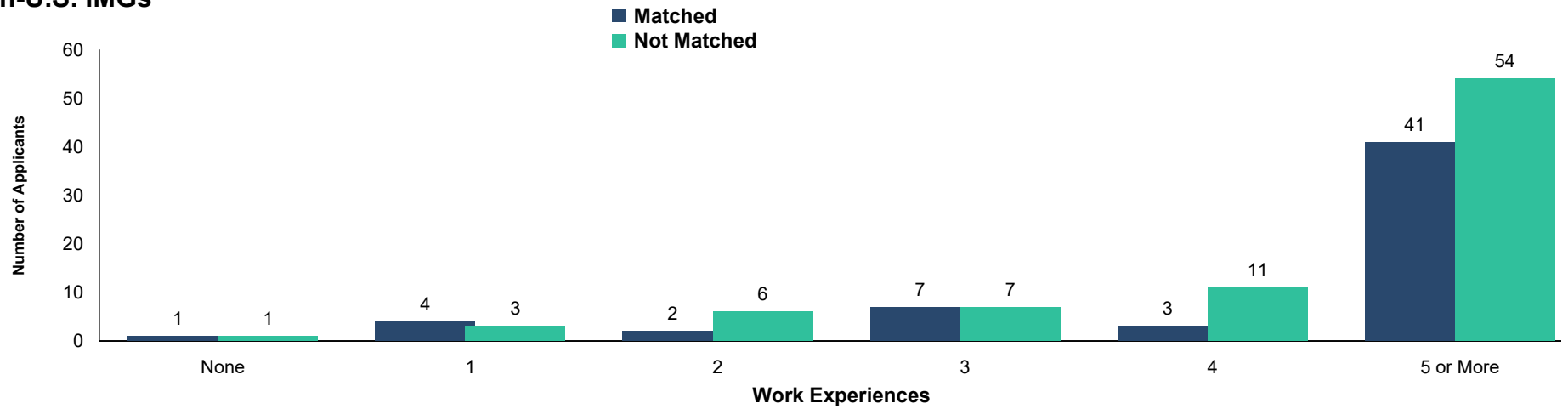
**Chart  
AN-7**

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

**U.S. IMGs**



**Non-U.S. IMGs**



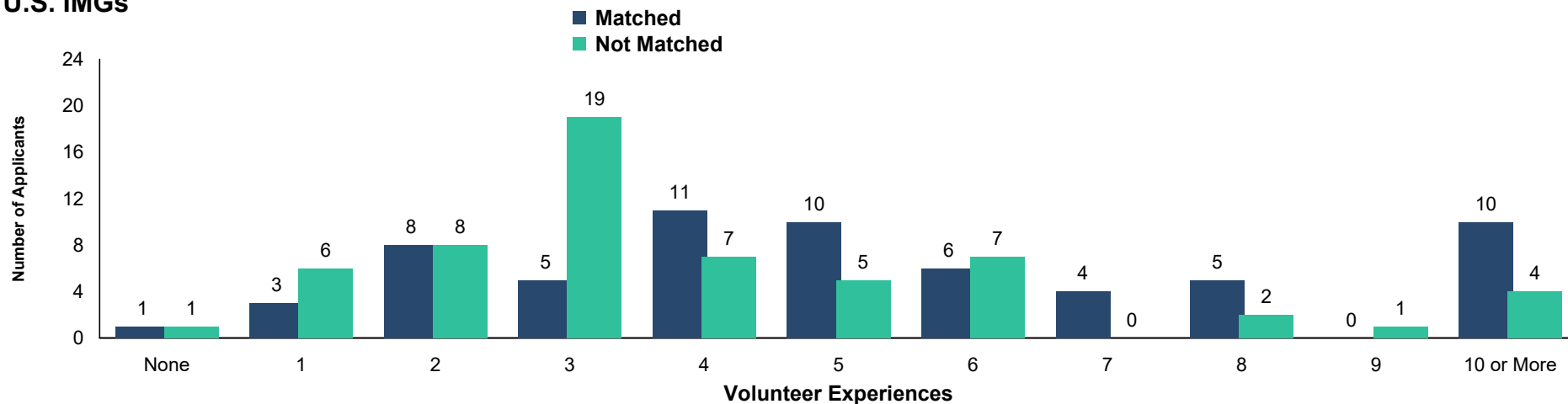
Source: NRMP Data Warehouse



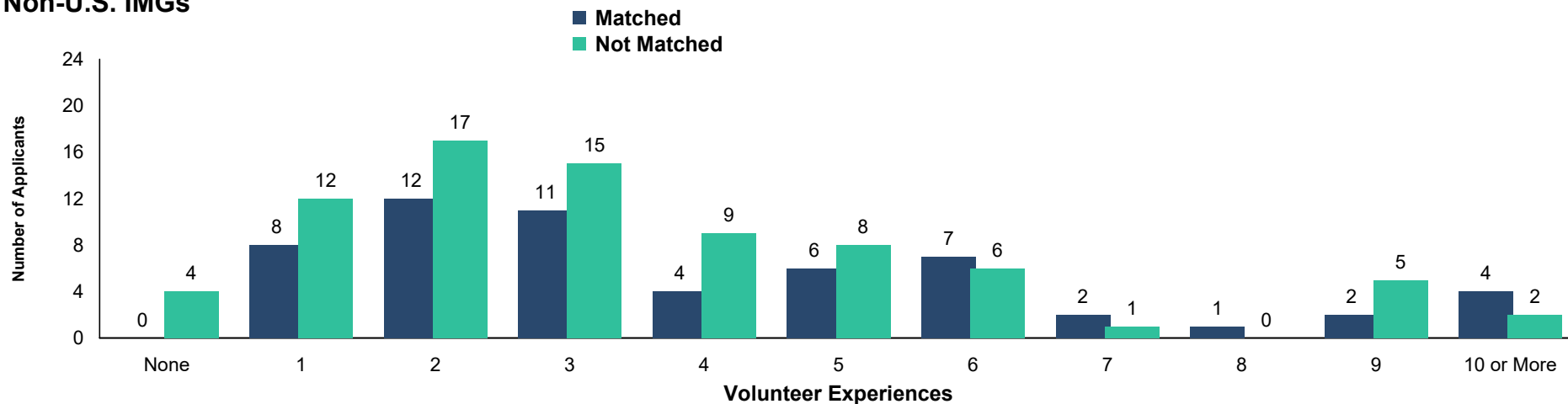
**Chart  
AN-8**

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

**U.S. IMGs**



**Non-U.S. IMGs**



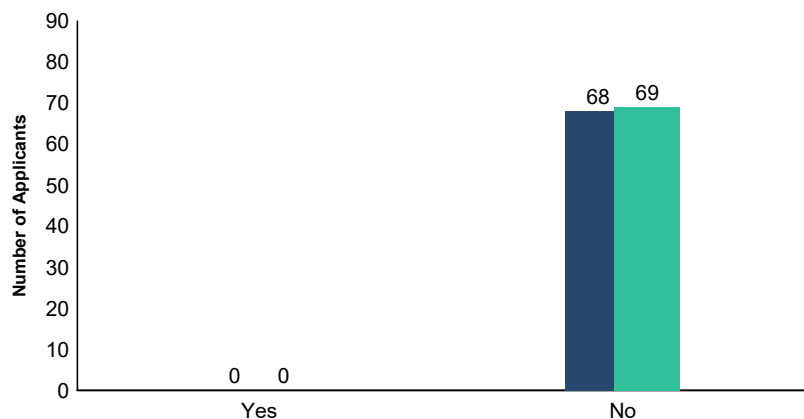
Source: NRMP Data Warehouse

**Chart  
AN-9**

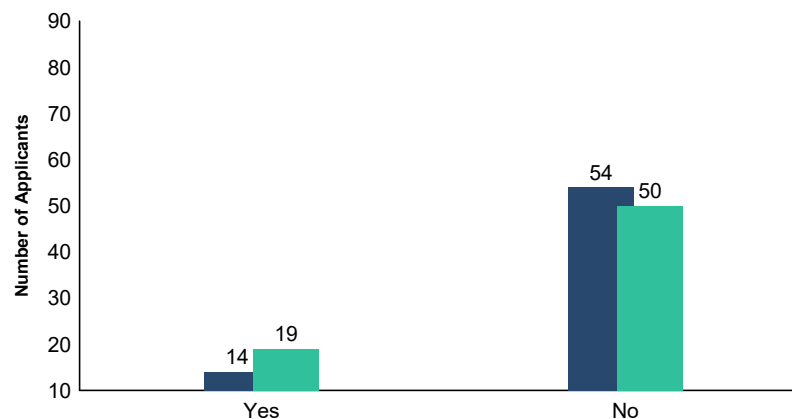
**Other Characteristics of International Medical Graduates  
Anesthesiology**

**U.S. IMGs**

**Ph.D. Degree**

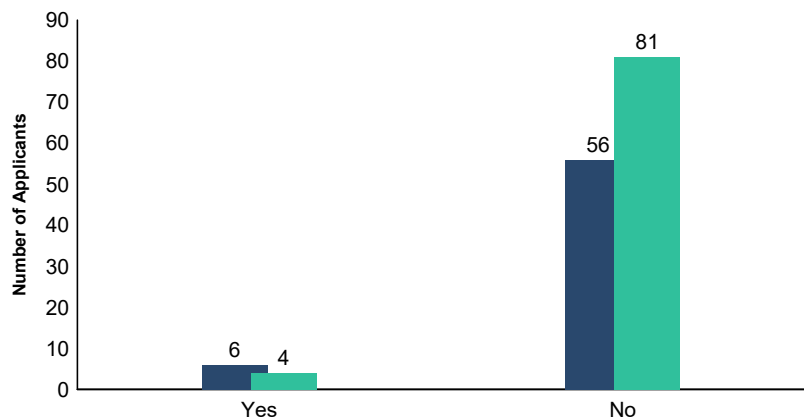


**Other Graduate Degree**

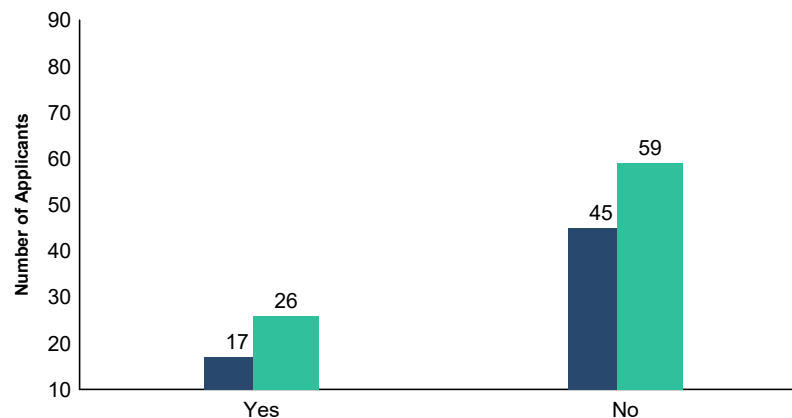


**Non-U.S. IMGs**

**Ph.D. Degree**



**Other Graduate Degree**



Source: NRMP Data Warehouse

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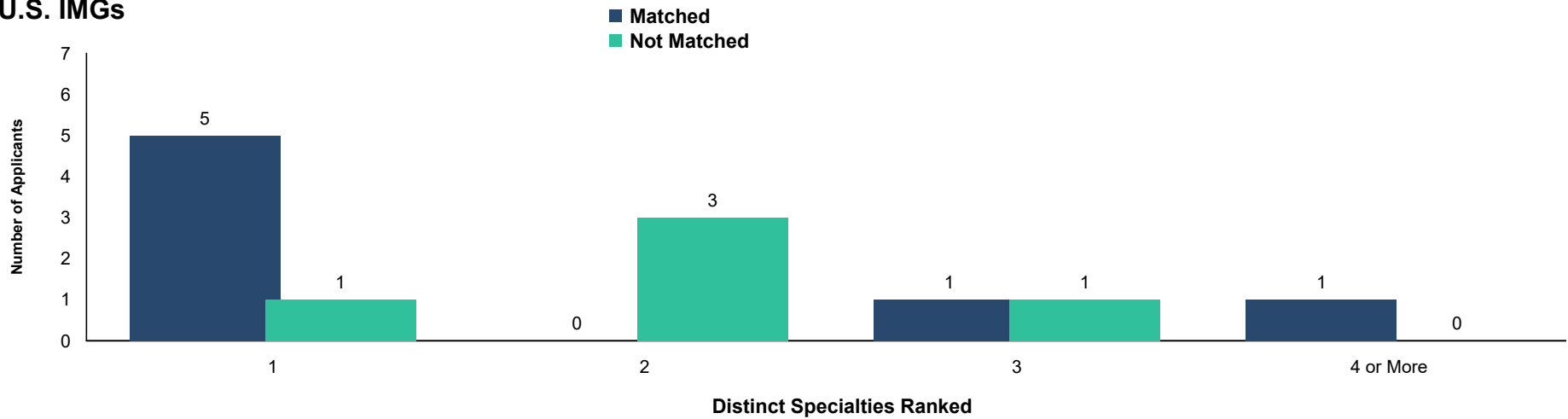
**CN** Child Neurology

Measure	U.S. IMGs		Non-U.S. IMGs	
	Matched (n=7)	Unmatched (n=5)	Matched (n=13)	Unmatched (n=10)
1. Mean number of contiguous ranks	13.4	1.8	4.2	2.1
2. Mean number of distinct specialties ranked	1.7	2.0	2.0	1.3
3. Mean USMLE Step 1 score	227	215	228	218
4. Mean USMLE Step 2 score	234	225	239	226
5. Mean number of research experiences	2.6	2.3	2.4	3.2
6. Mean number of abstracts, presentations, and publications	5.7	5.8	6.2	16.0
7. Mean number of work experiences	2.1	2.3	7.0	6.1
8. Mean number of volunteer experiences	5.1	4.5	5.6	5.9
9. Percentage who have a Ph.D. degree	0.0	40.0	8.3	11.1
10. Percentage who have another graduate degree	0.0	60.0	25.0	22.2

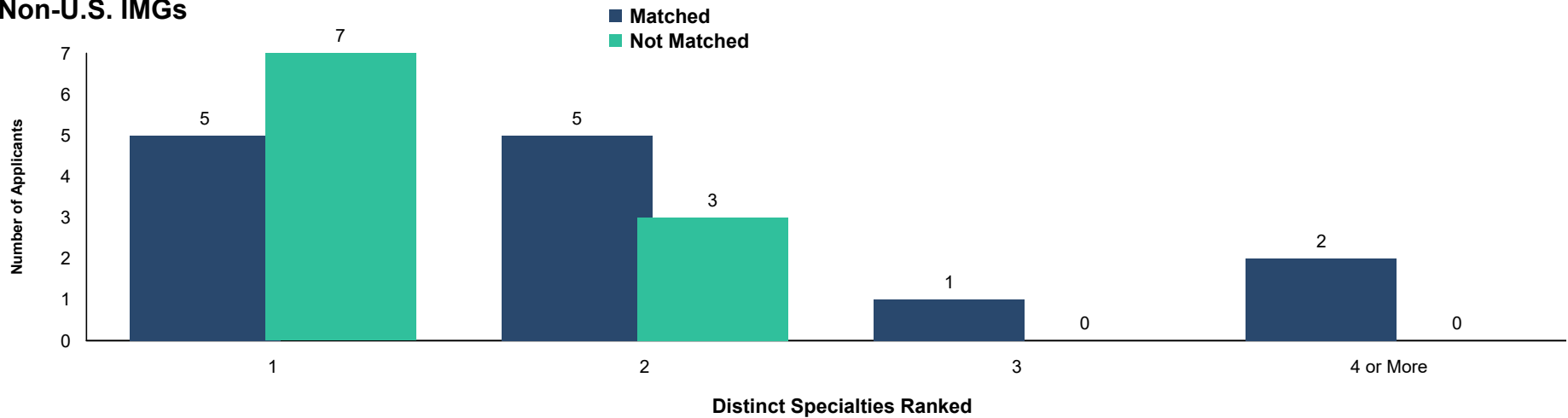
Note: Only applicants who gave consent to use their information in research are included.  
Source: NRMP Data Warehouse

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

## U.S. IMGs



## Non-U.S. IMGs

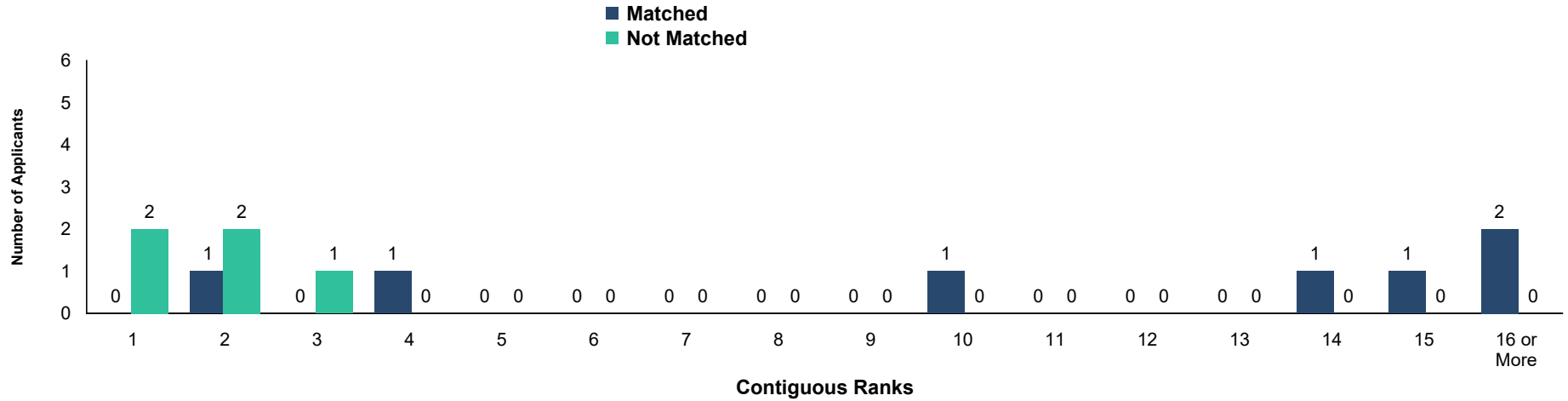


Source: NRMP Data Warehouse

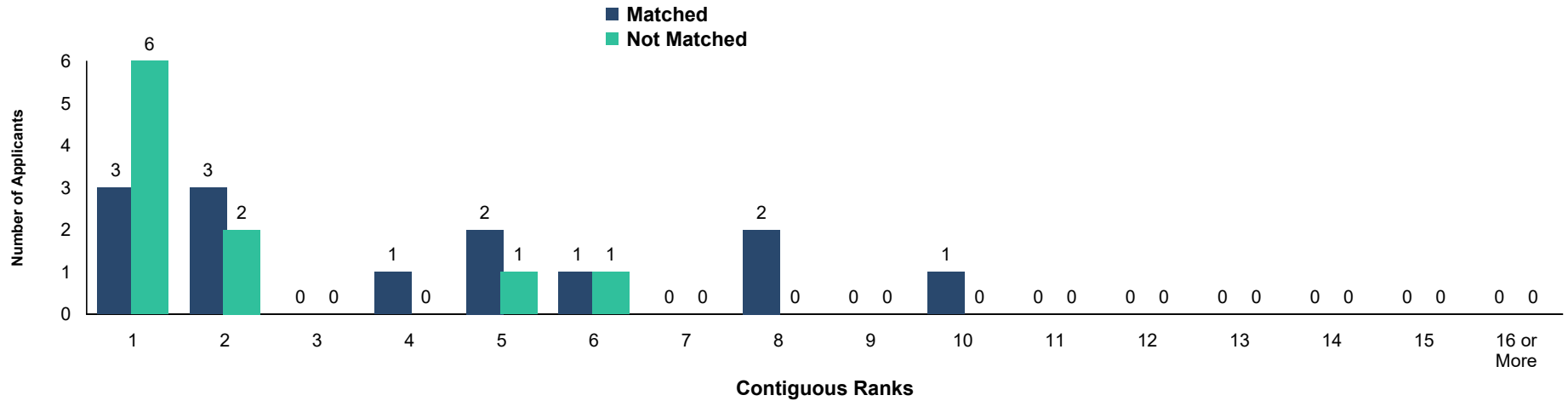
**Chart  
CN-2**

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

**U.S. IMGs**



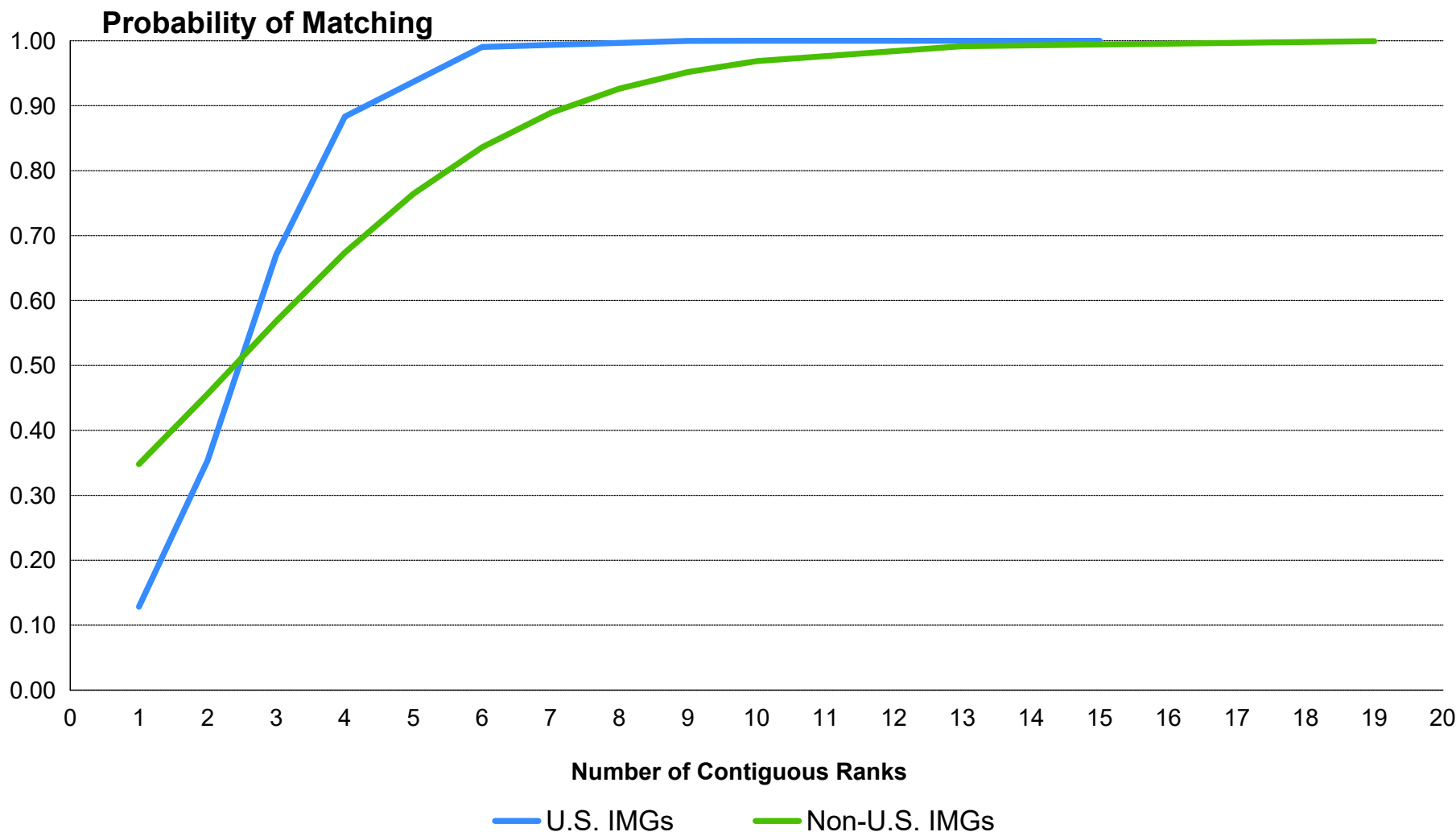
**Non-U.S. IMGs**



Source: NRMP Data Warehouse

**Graph  
CN-1**

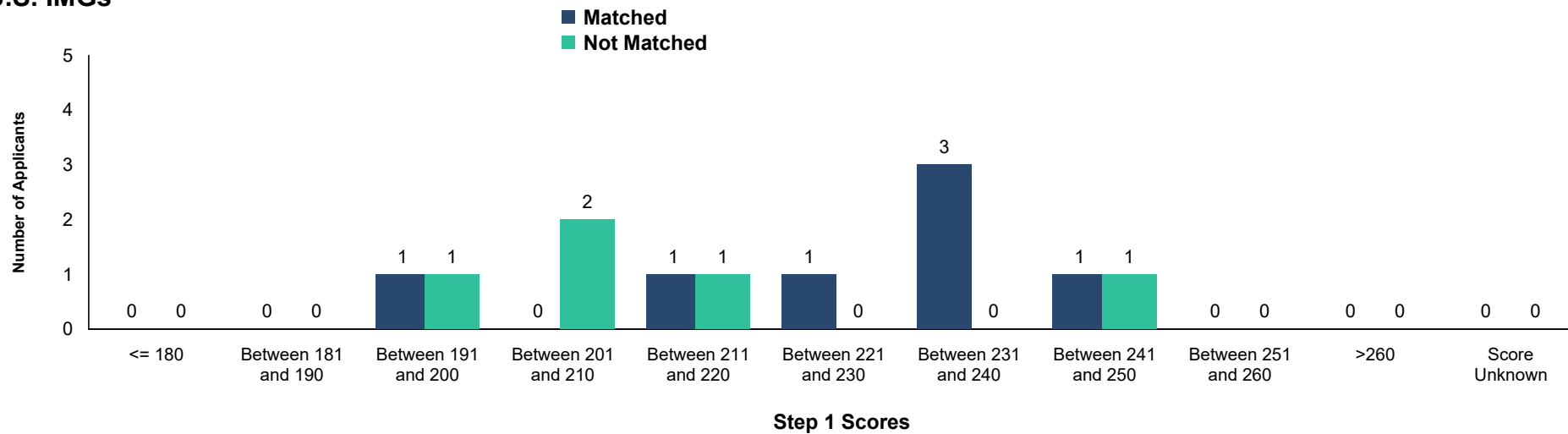
**Probability of International Medical Graduates Matching to Preferred Specialty by Number of Contiguous Ranks**  
*Child Neurology*



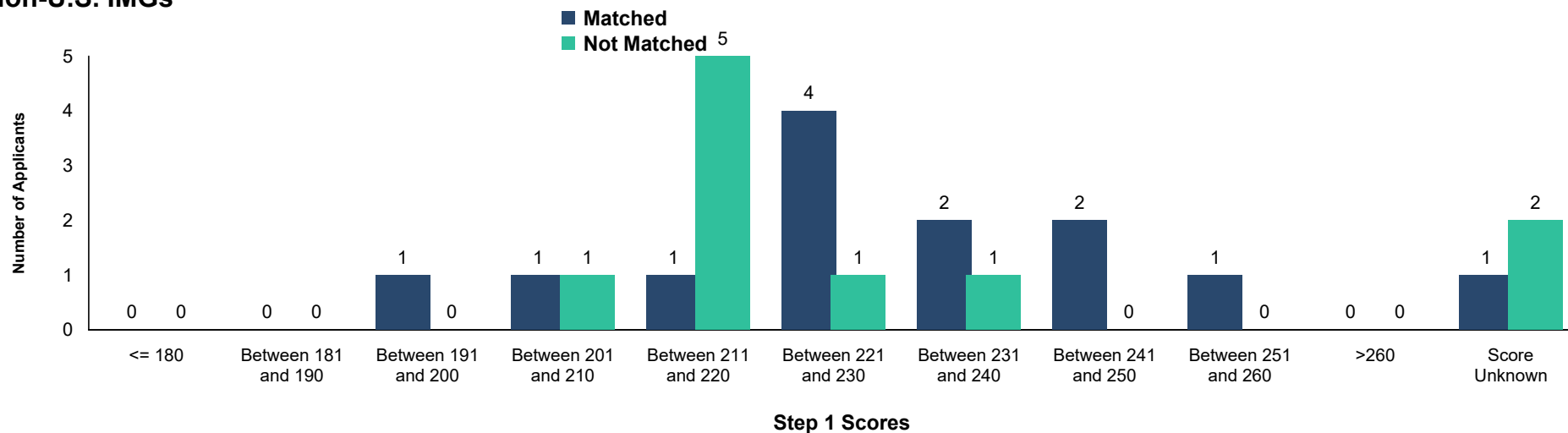
Source: NRMP Data Warehouse. Note: Probabilities calculated based on 2020-2022 applicants

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

## U.S. IMGs



## Non-U.S. IMGs

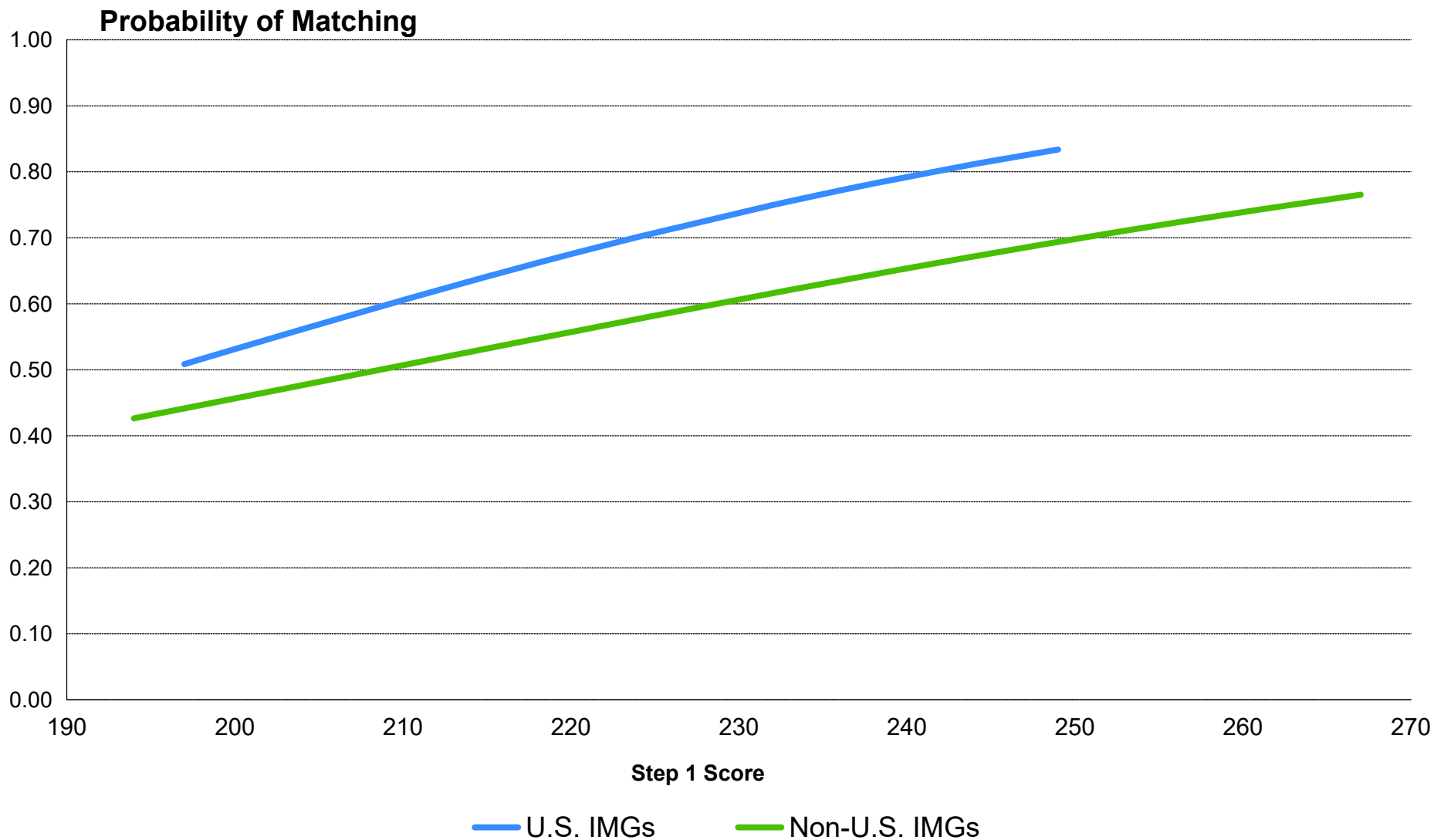


Source: NRMP Data Warehouse



**Graph  
CN-2**

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

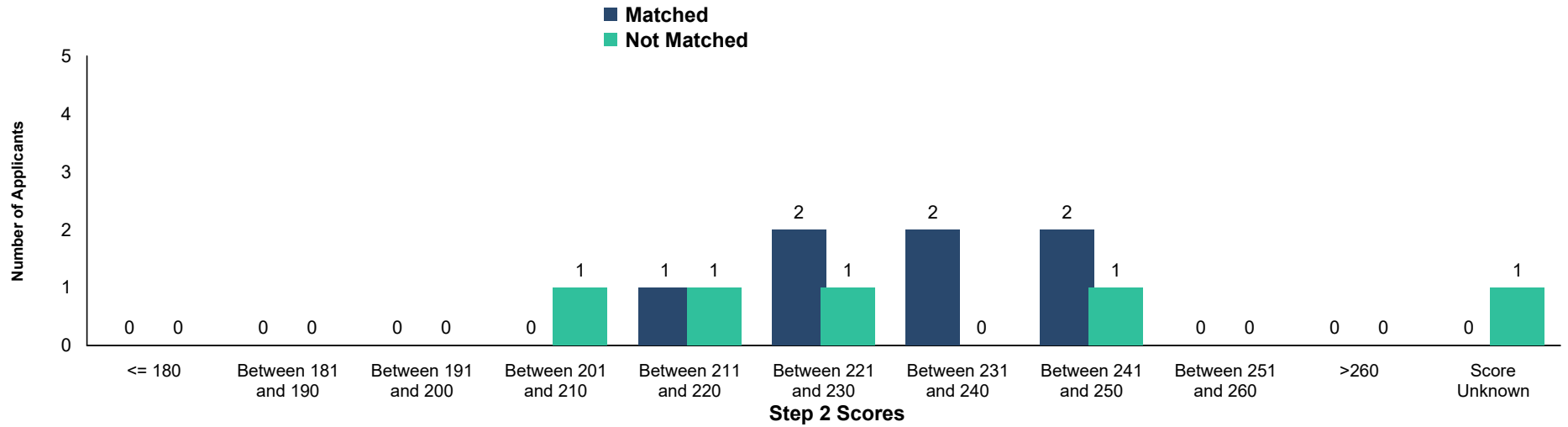


Source: NRMP Data Warehouse. Note: Probabilities calculated based on 2020-2022 applicants.

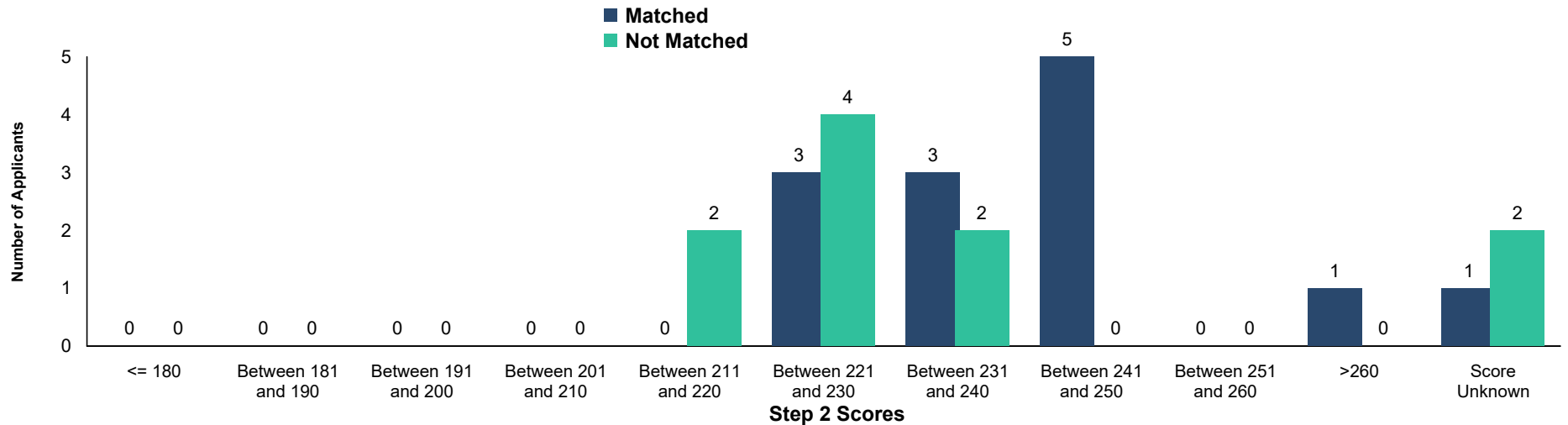
**Chart  
CN-4**

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

**U.S. IMGs**



**Non-U.S. IMGs**

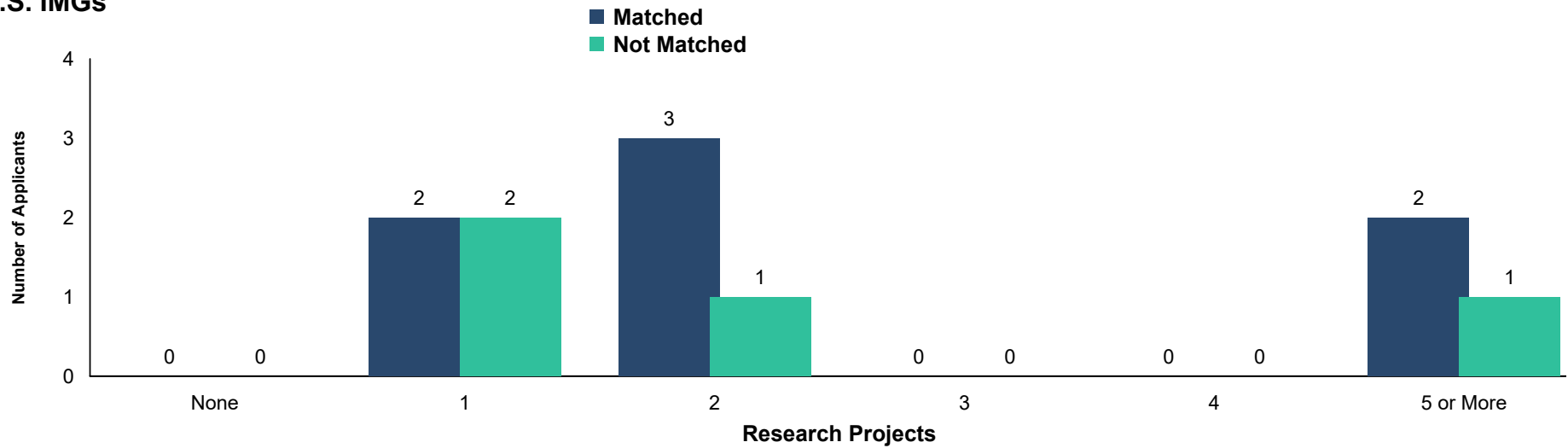


Source: NRMP Data Warehouse

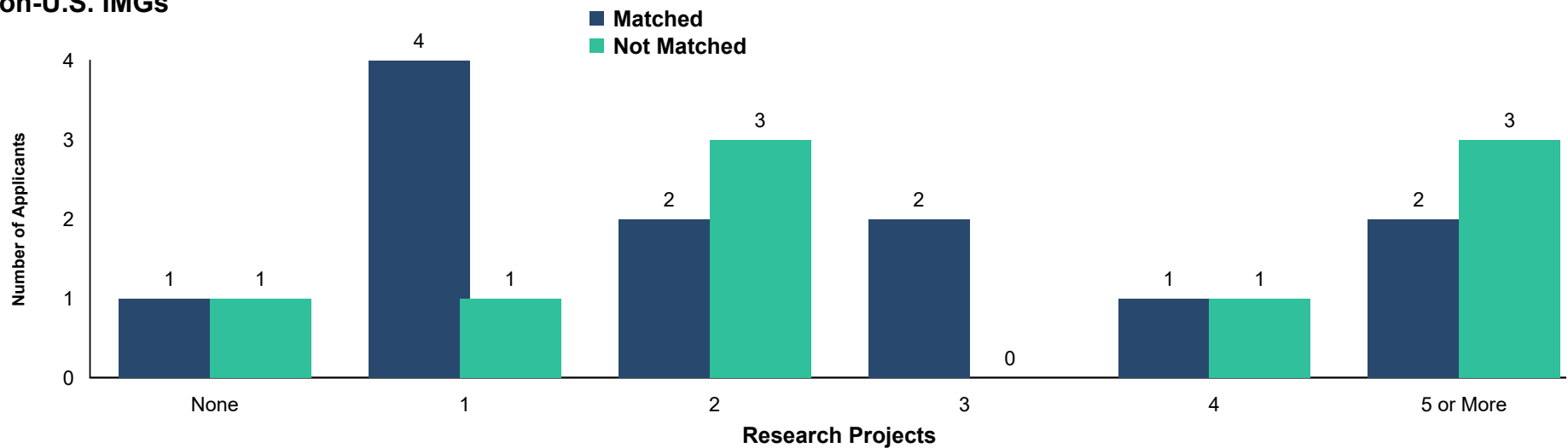
**Chart  
CN-5**

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

**U.S. IMGs**



**Non-U.S. IMGs**

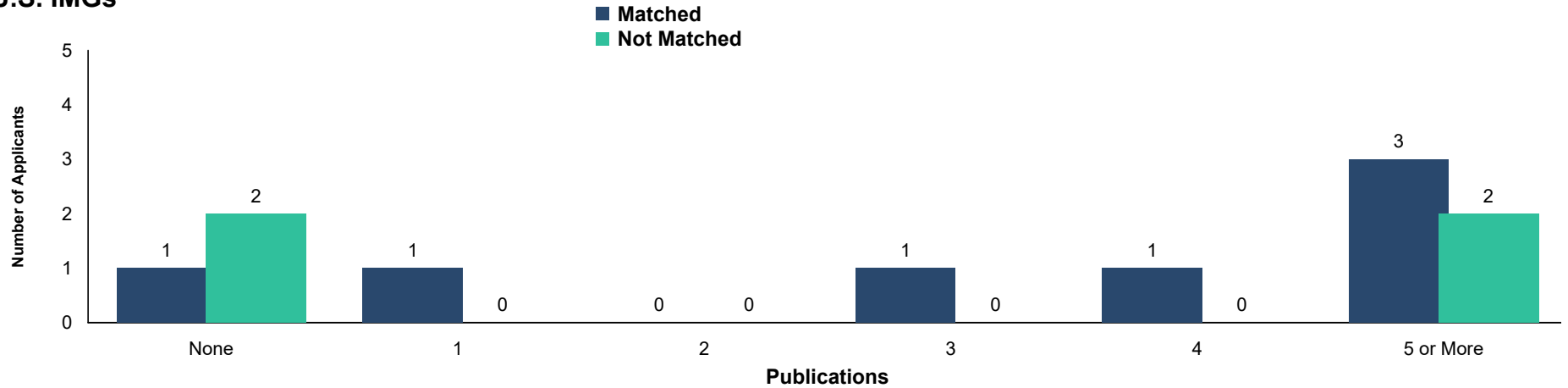


Source: NRMP Data Warehouse

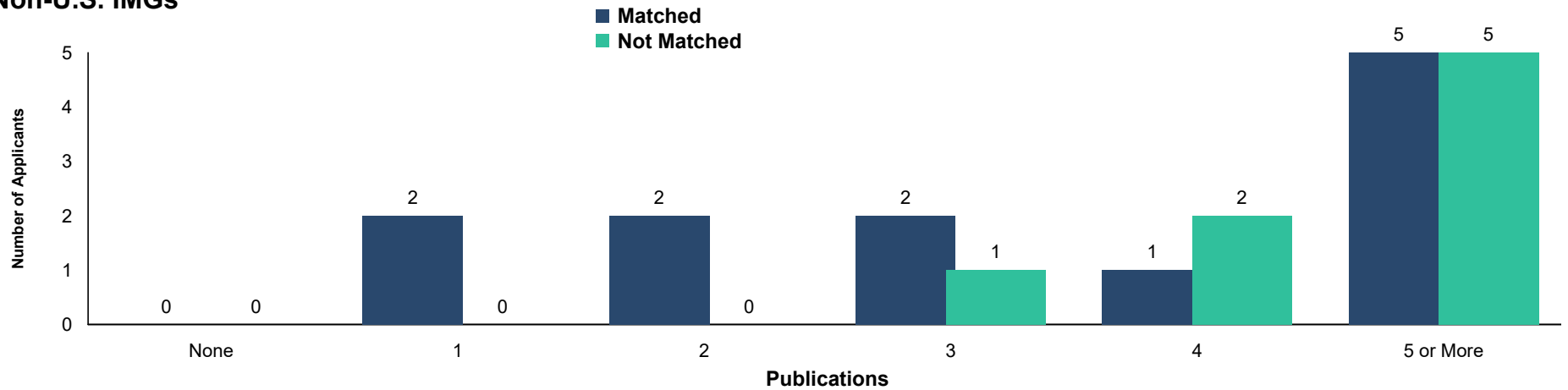
**Chart  
CN-6**

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

**U.S. IMGs**



**Non-U.S. IMGs**

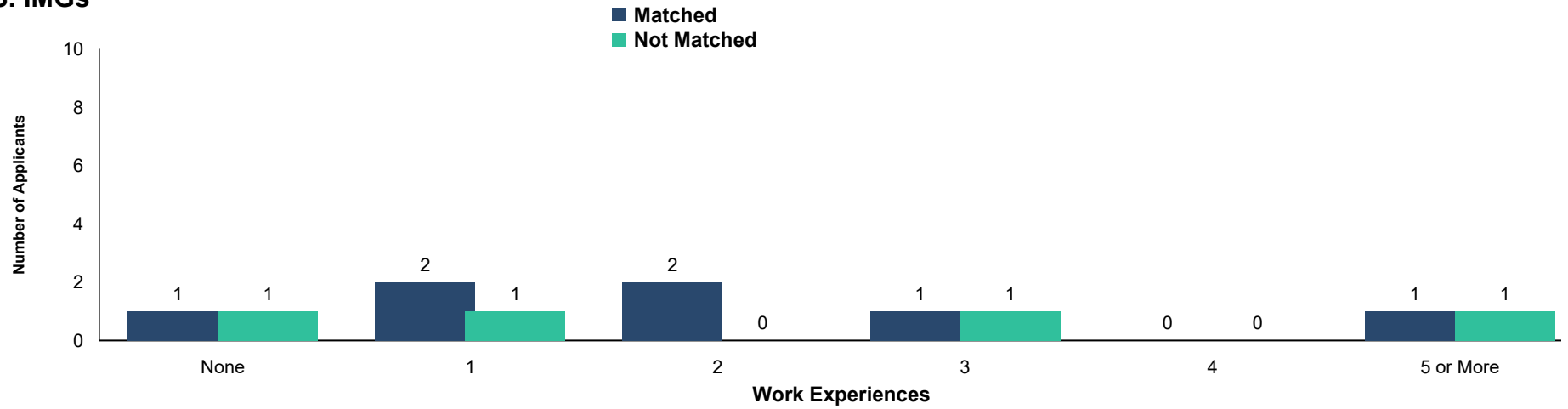


Source: NRMP Data Warehouse

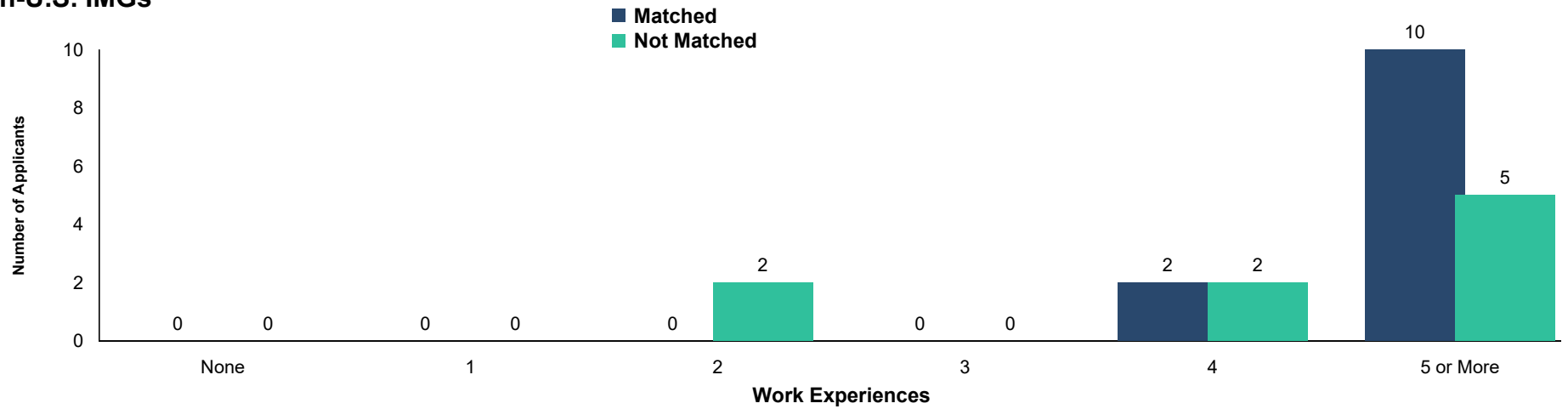
**Chart  
CN-7**

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

**U.S. IMGs**



**Non-U.S. IMGs**

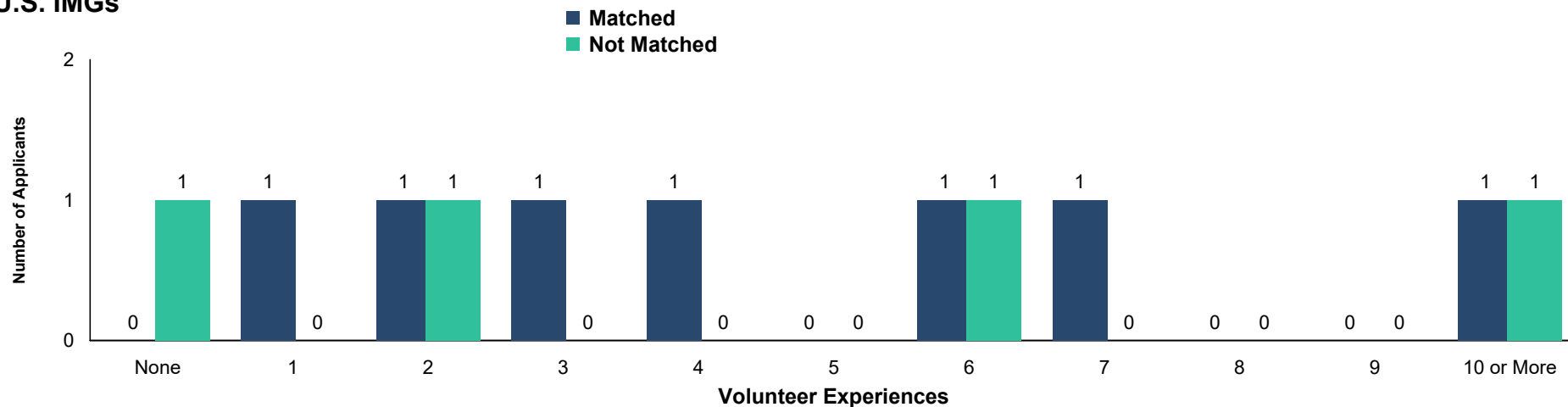


Source: NRMP Data Warehouse

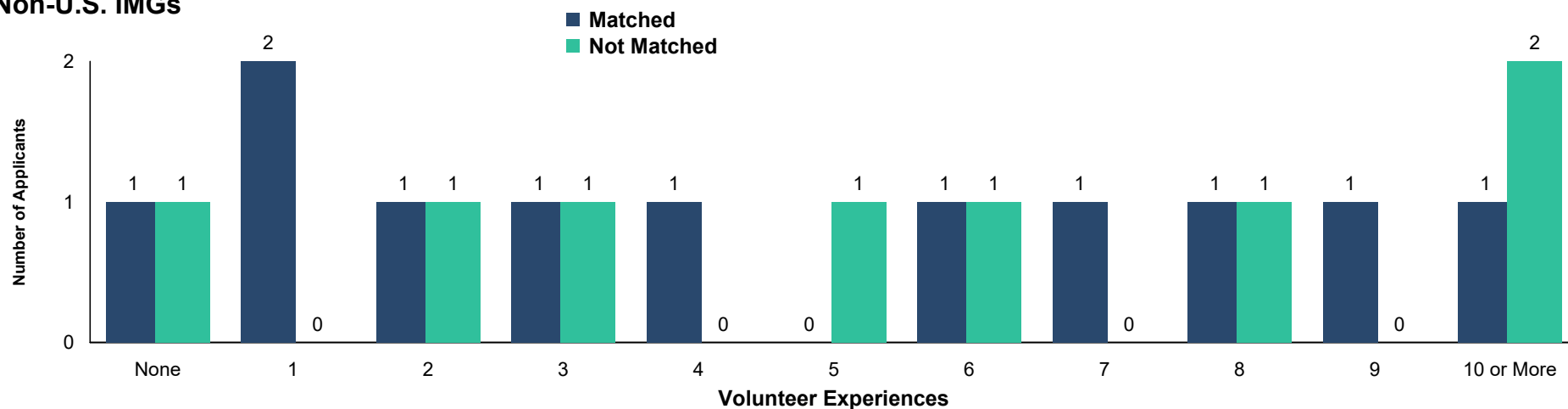
**Chart  
CN-8**

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

**U.S. IMGs**



**Non-U.S. IMGs**

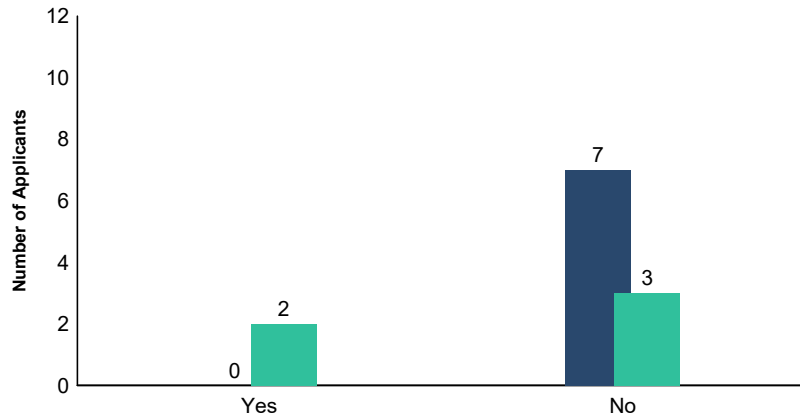


Source: NRMP Data Warehouse

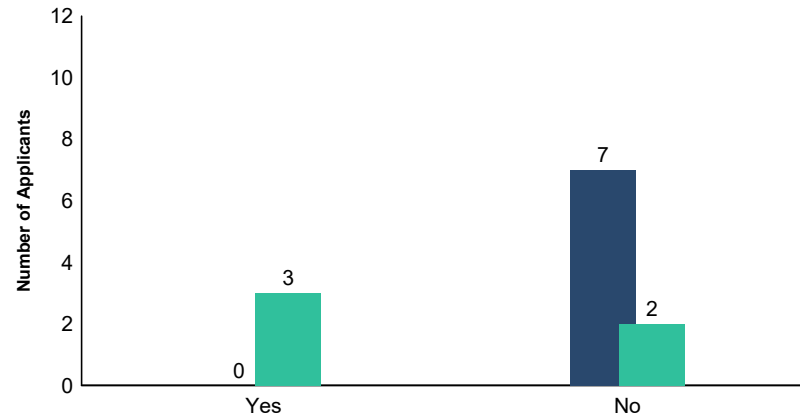
**Chart  
CN-9**

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

**Ph.D. Degree**

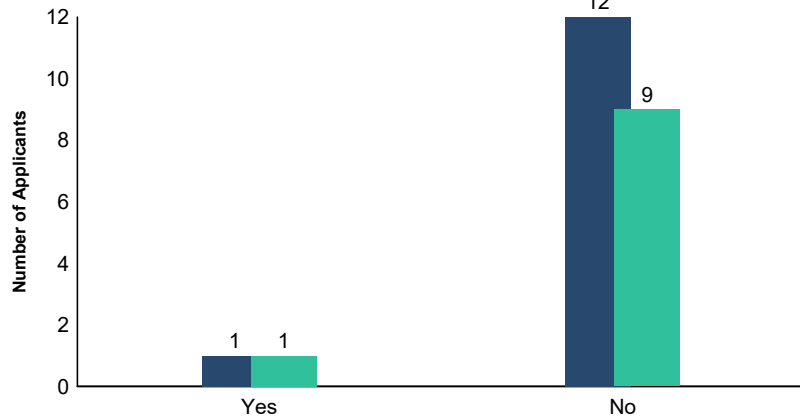


**Other Graduate Degree**

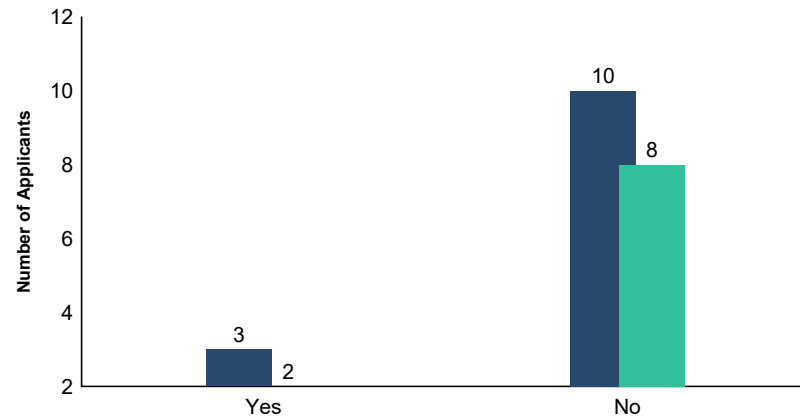


**Non-U.S. IMGs**

**Ph.D. Degree**



**Other Graduate Degree**



Source: NRMP Data Warehouse

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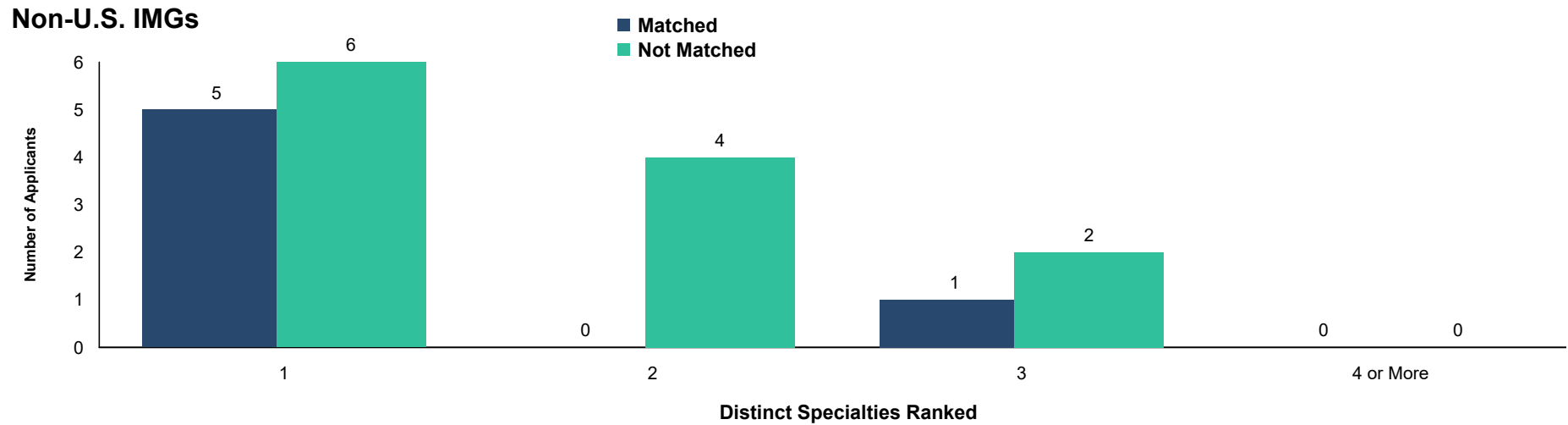
**DM** Dermatology



Measure	U.S. IMGs	Non-U.S. IMGs	
	Data not shown due to the small sample size	Matched (n=6)	Unmatched (n=12)
1. Mean number of contiguous ranks		3.7	4.0
2. Mean number of distinct specialties ranked		1.3	1.7
3. Mean USMLE Step 1 score		251	239
4. Mean USMLE Step 2 score		252	241
5. Mean number of research experiences		8.7	4.5
6. Mean number of abstracts, presentations, and publications		34.5	34.4
7. Mean number of work experiences		6.8	5.6
8. Mean number of volunteer experiences		7.0	5.5
9. Percentage who have a Ph.D. degree		0.0	0.0
10. Percentage who have another graduate degree		16.7	45.5

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

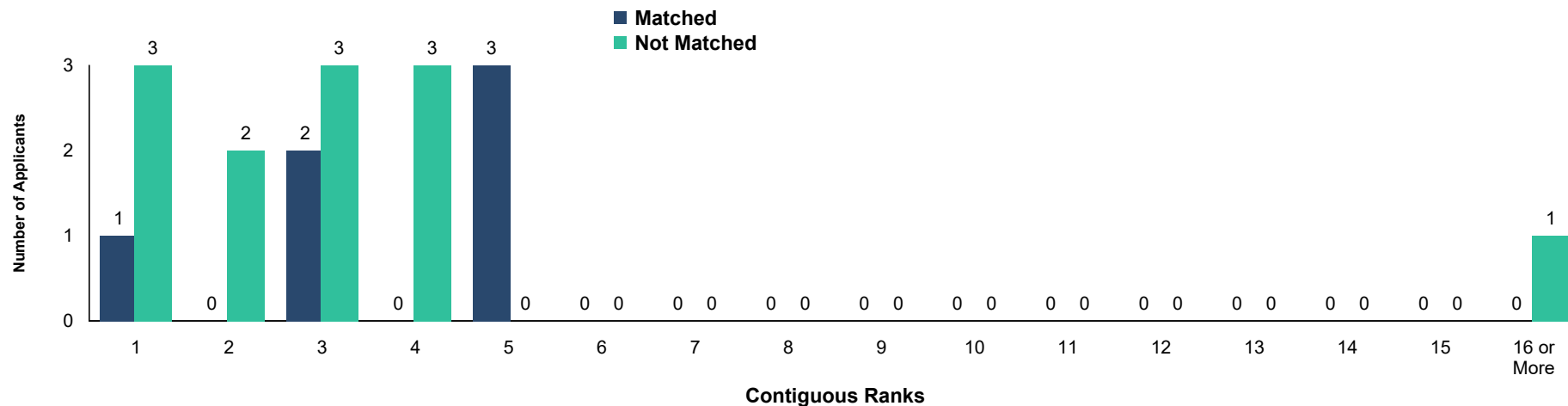


**Note:** Data for U.S. IMGs are not shown due to the small sample size.

**Chart  
DM-2**

# Number of Contiguous Ranks of International Medical Graduates Dermatology

## Non-U.S. IMGs

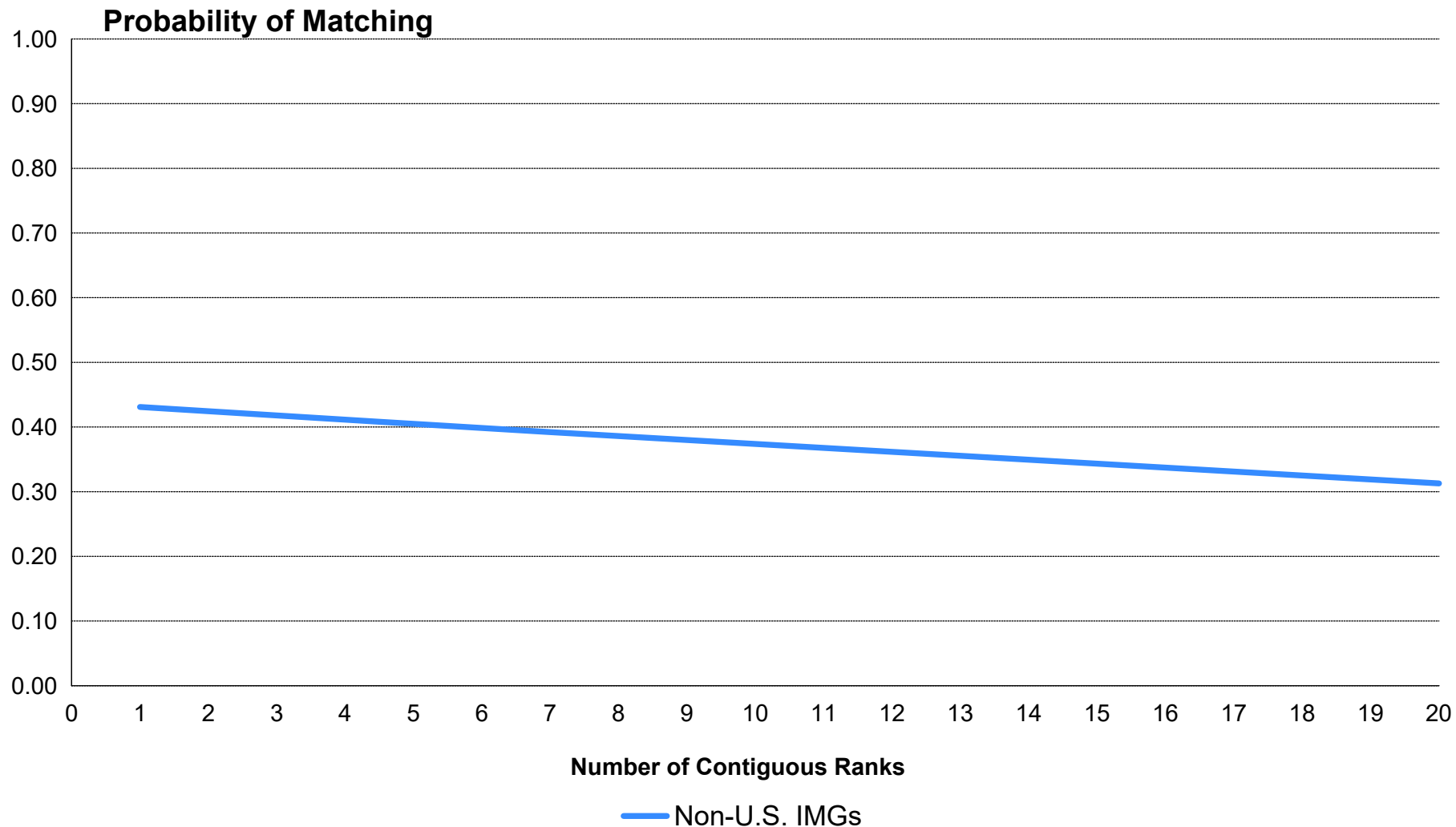


**Note: Data for U.S. IMGs are not shown due to the small sample size.**

Source: NRMP Data Warehouse

**Graph  
DM-1**

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



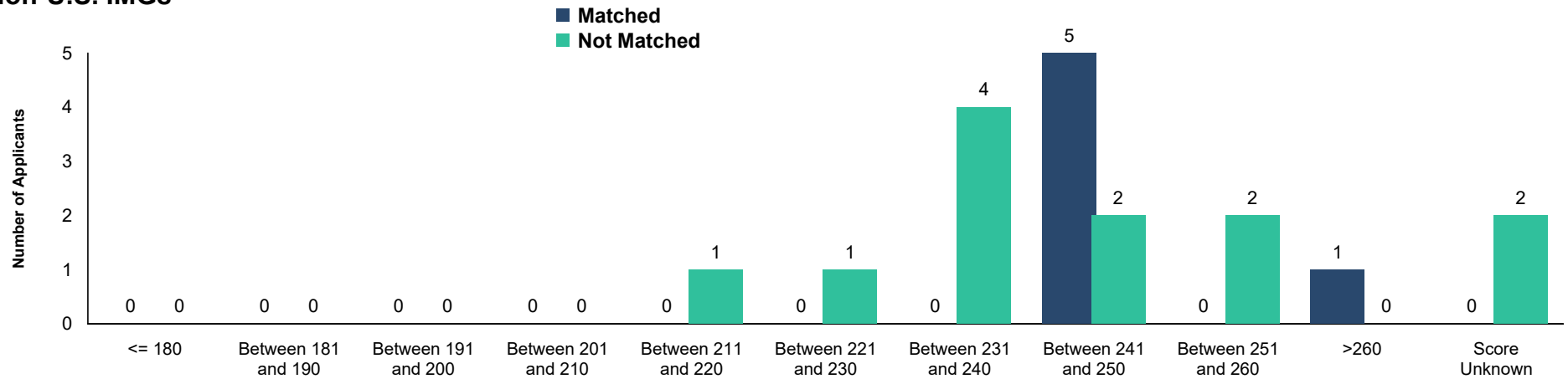
**Note: Data for U.S. IMGs are not shown due to the small sample size.**

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

**Chart  
DM-3**

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

**Non-U.S. IMGs**

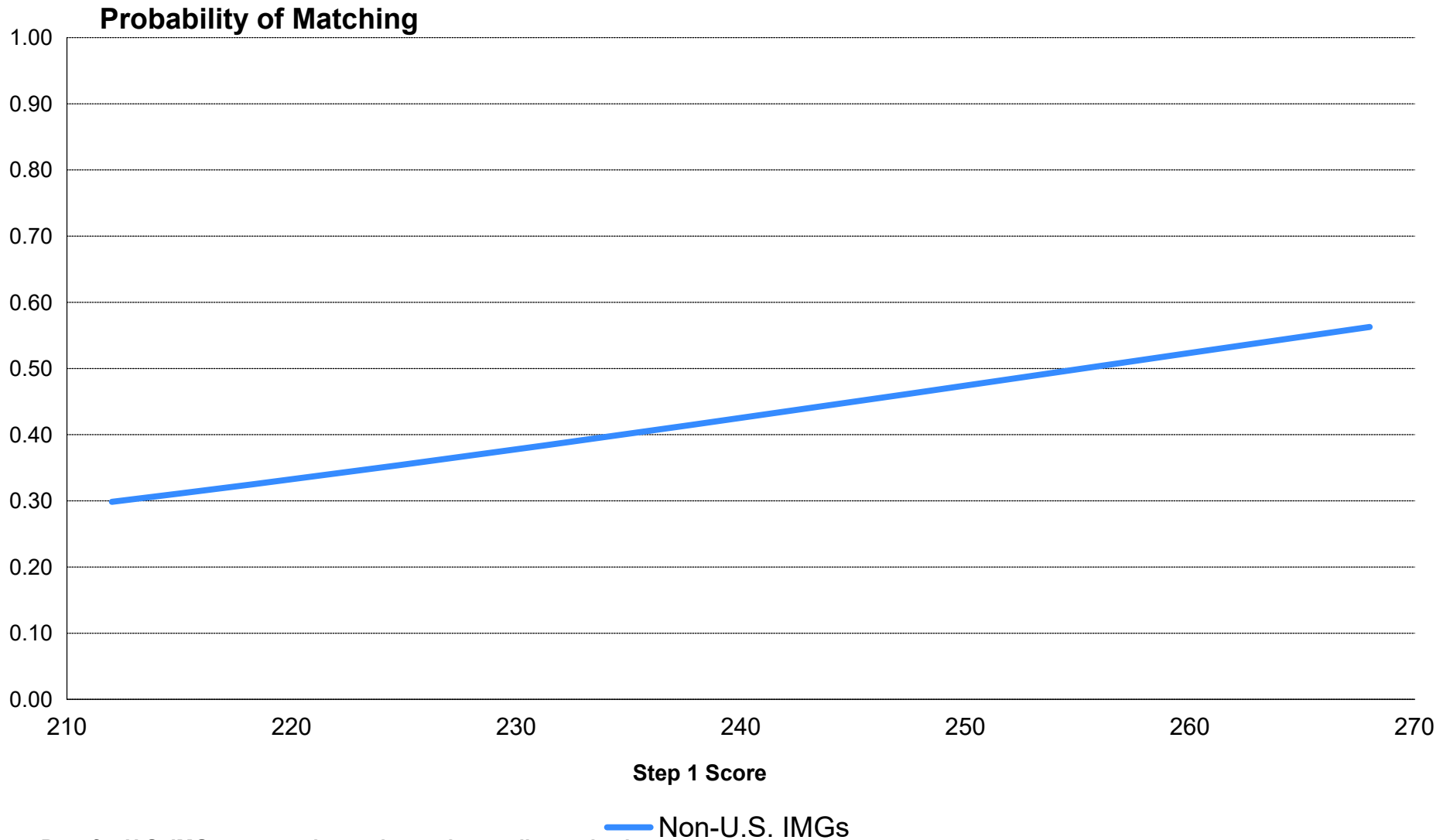


**Note: Data for U.S. IMGs are not shown due to the small sample size.**      **Step 1 Scores**

Source: NRMP Data Warehouse

**Graph  
DM-2**

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



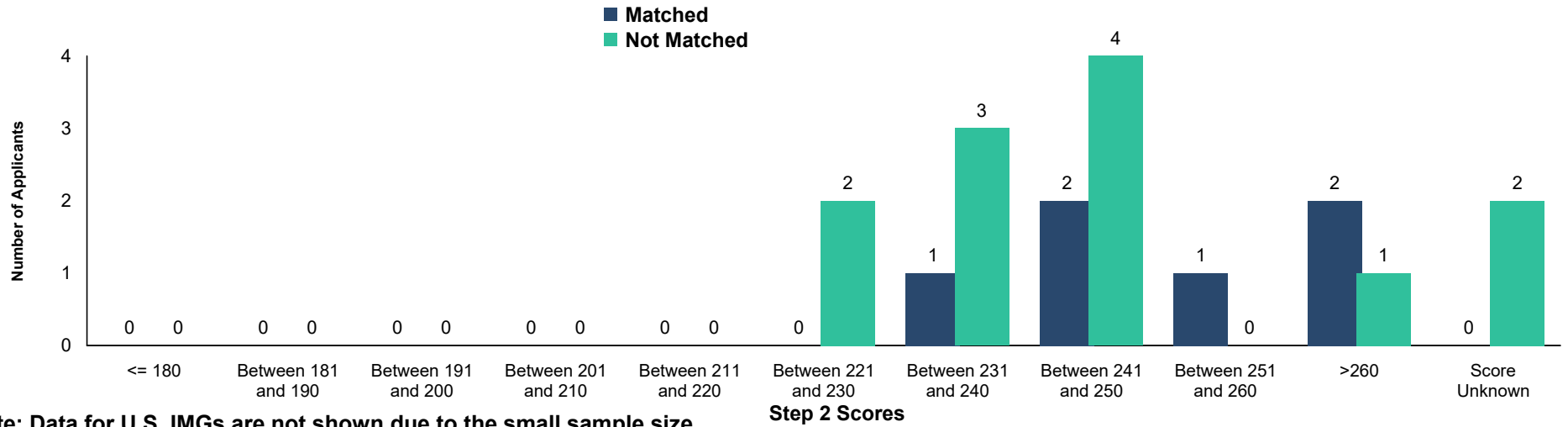
**Note: Data for U.S. IMGs are not shown due to the small sample size.**

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

**Chart  
DM-4**

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

**Non-U.S. IMGs**



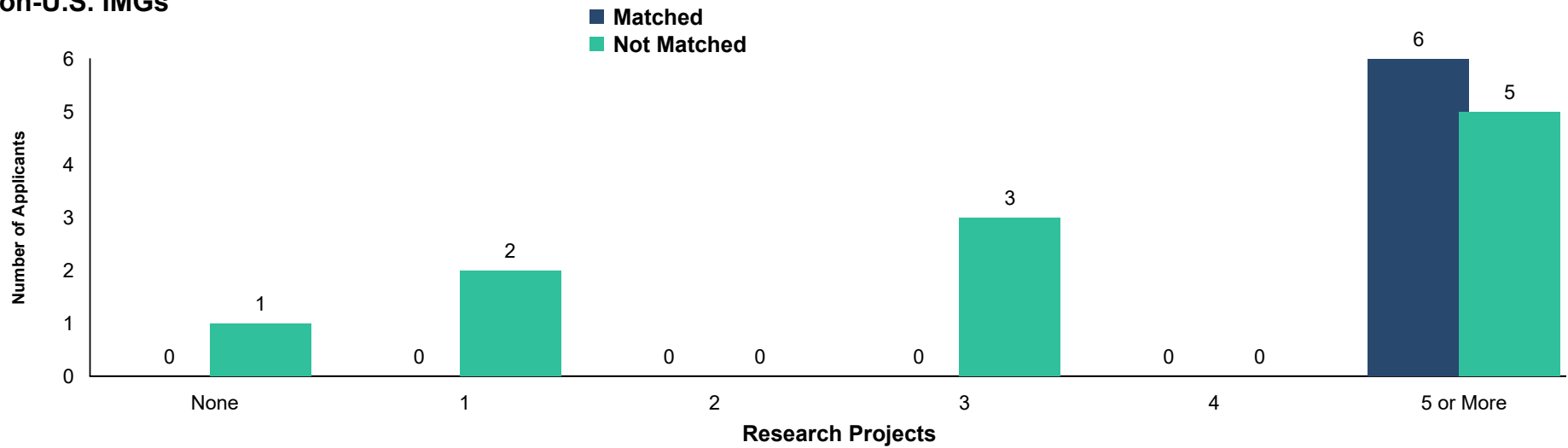
**Note: Data for U.S. IMGs are not shown due to the small sample size.**

Source: NRMP Data Warehouse

**Chart  
DM-5**

**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.**

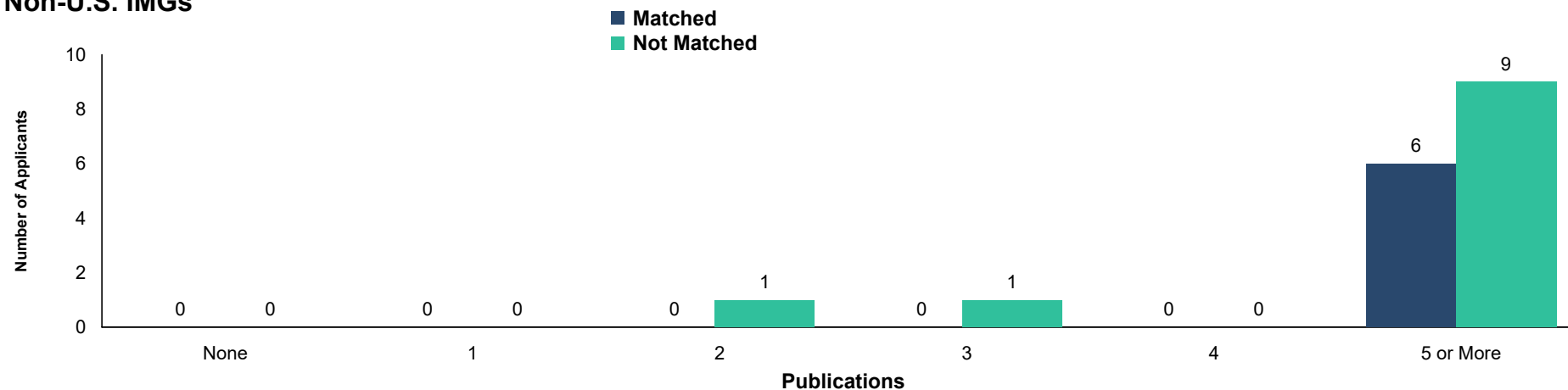
Source: NRMP Data Warehouse



**Chart  
DM-6**

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

**Non-U.S. IMGs**



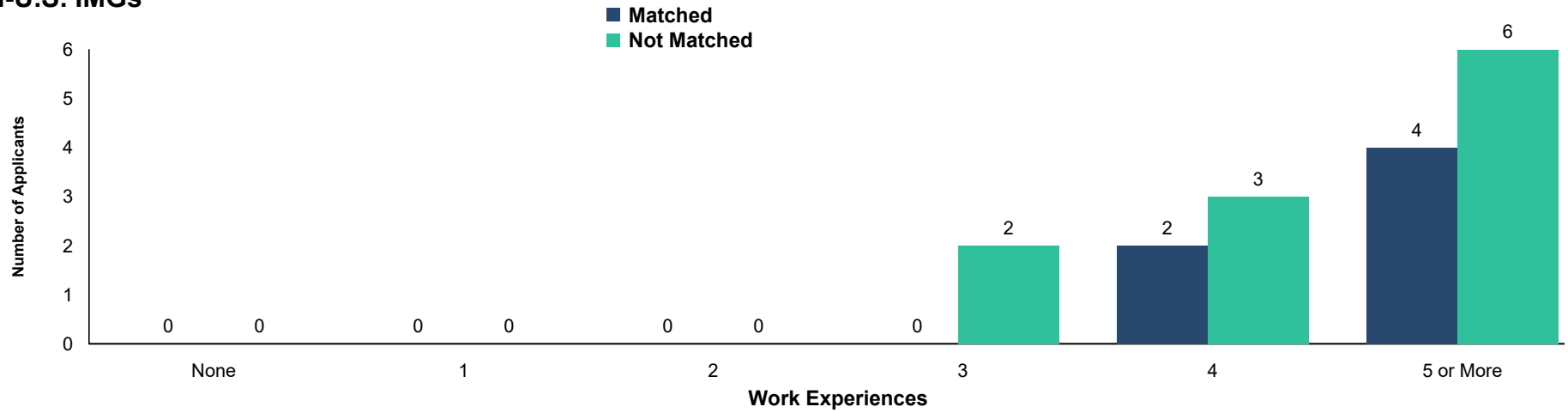
**Note: Data for U.S. IMGs are not shown due to the small sample size.**

Source: NRMP Data Warehouse

**Chart  
DM-7**

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

**Non-U.S. IMGs**

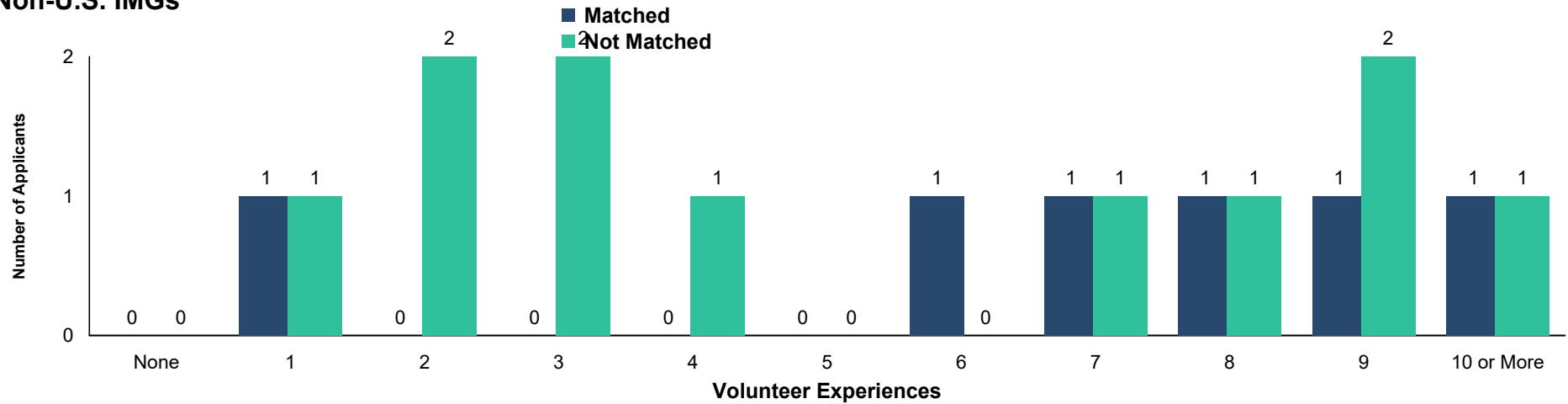


**Note:** Data for U.S. IMGs are not shown due to the small sample size.

**Chart  
DM-8**

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

**Non-U.S. IMGs**



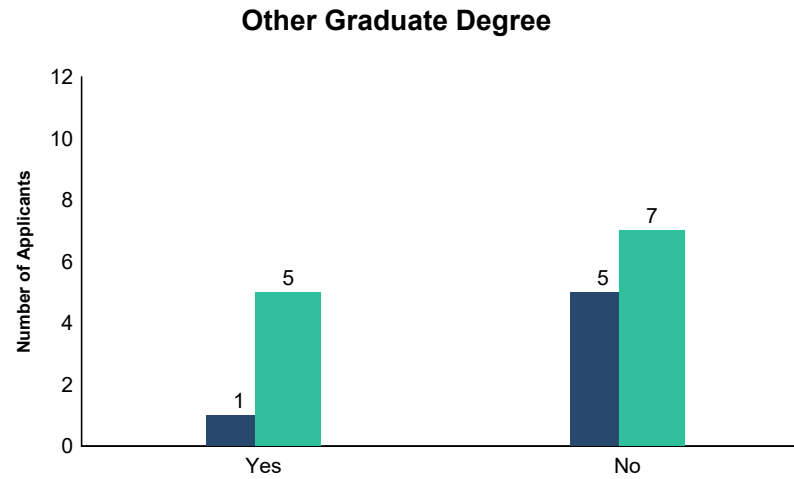
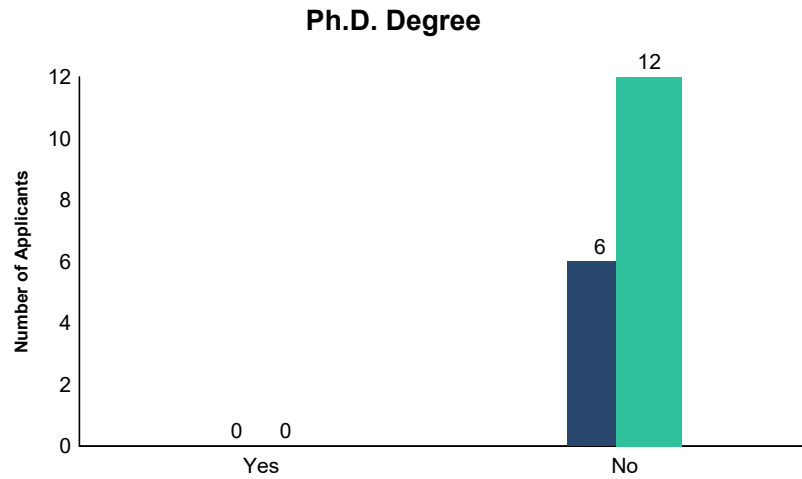
**Note: Data for U.S. IMGs are not shown due to the small sample size.**

Source: NRMP Data Warehouse

**Chart  
DM-9**

**Other Characteristics 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

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**DR** Diagnostic Radiology

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

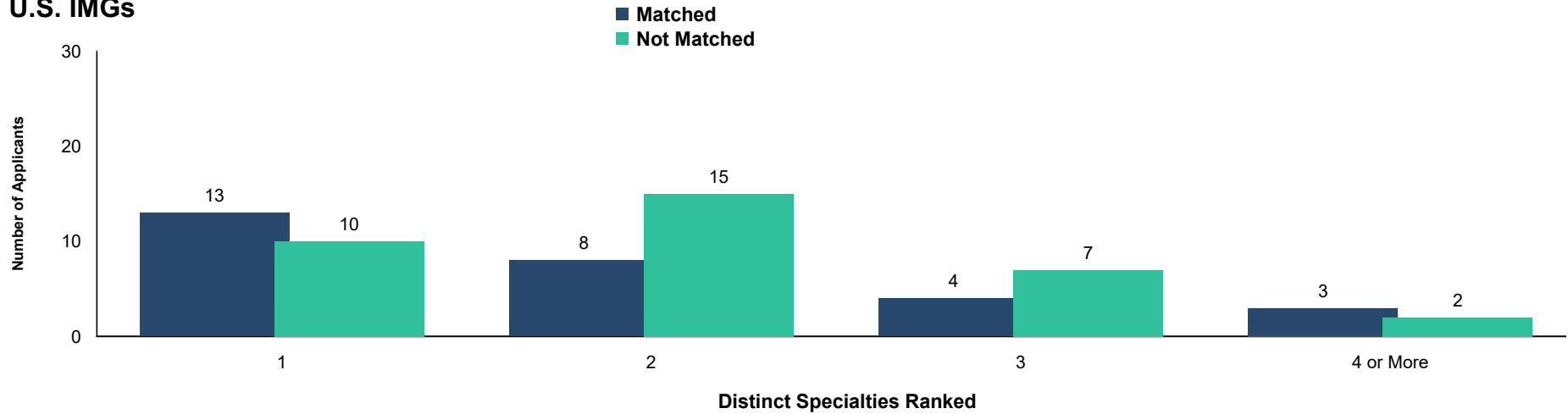
Measure	U.S. IMGs		Non-U.S. IMGs	
	Matched (n=29)	Unmatched (n=34)	Matched (n=49)	Unmatched (n=76)
1. Mean number of contiguous ranks	7.0	3.6	6.8	2.3
2. Mean number of distinct specialties ranked	2.0	2.0	2.0	2.2
3. Mean USMLE Step 1 score	241	231	247	239
4. Mean USMLE Step 2 score	247	239	250	245
5. Mean number of research experiences	3.6	2.9	3.6	3.4
6. Mean number of abstracts, presentations, and publications	7.0	5.0	16.9	9.0
7. Mean number of work experiences	4.6	4.1	5.4	4.9
8. Mean number of volunteer experiences	4.5	4.6	4.2	3.7
9. Percentage who have a Ph.D. degree	11.1	3.4	2.1	4.2
10. Percentage who have another graduate degree	22.2	17.2	10.6	22.2

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

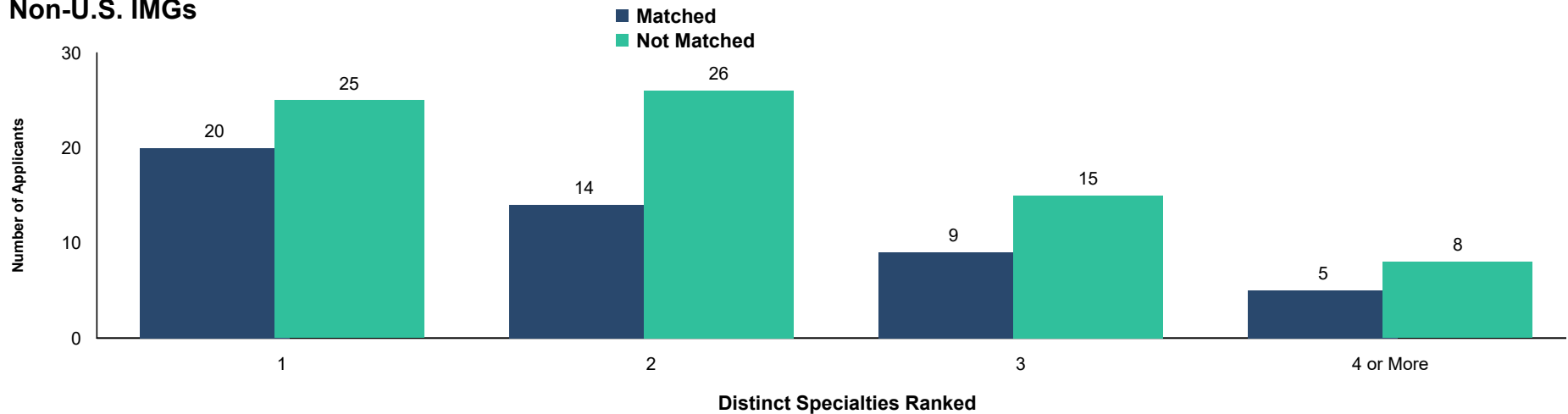
**Chart  
DR-1**

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

**U.S. IMGs**



**Non-U.S. IMGs**

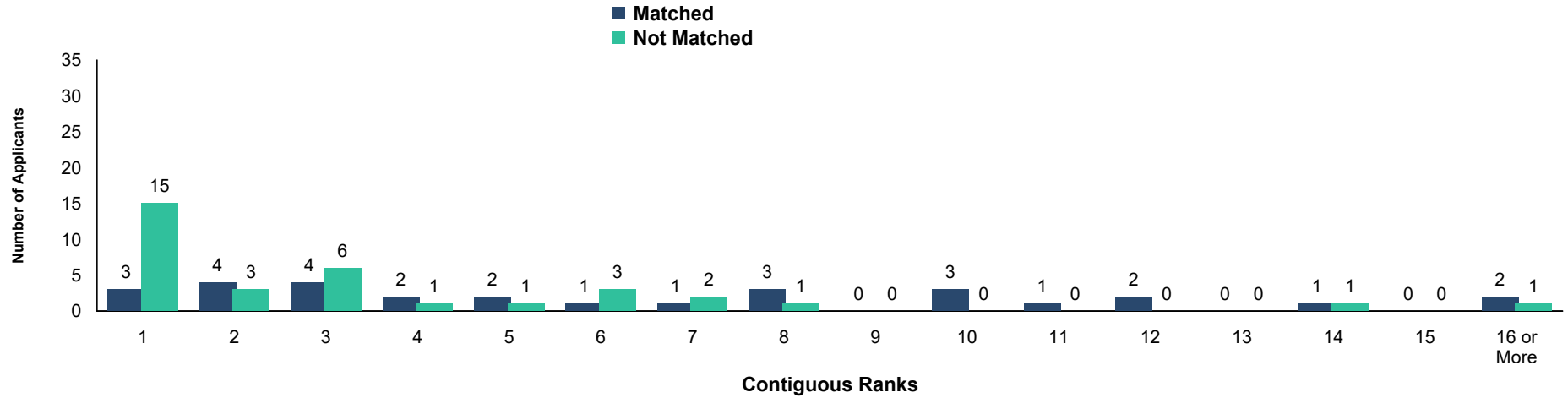


Source: NRMP Data Warehouse

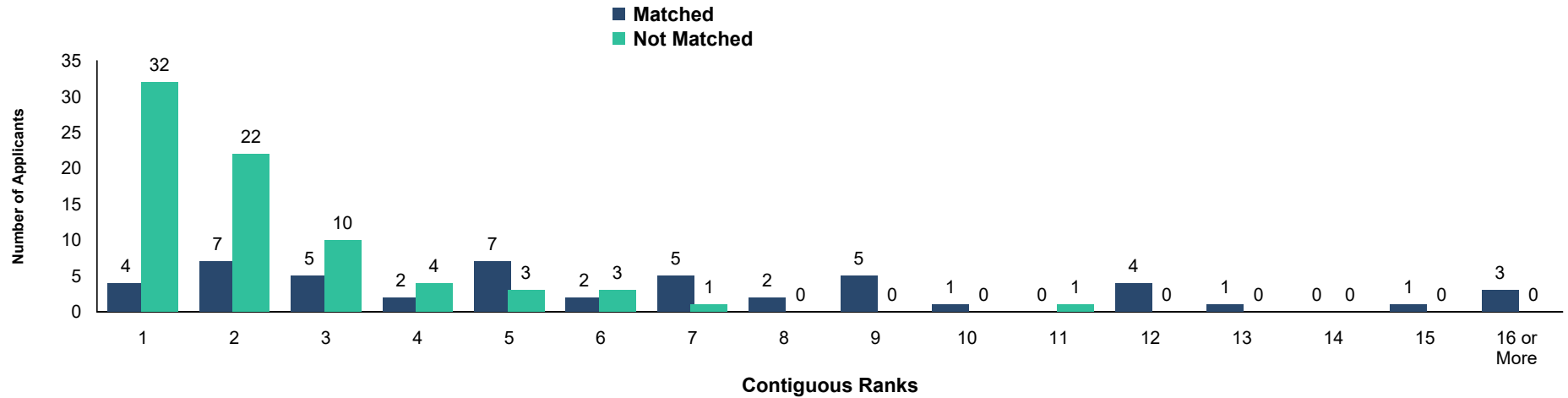
**Chart  
DR-2**

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

**U.S. IMGs**



**Non-U.S. IMGs**

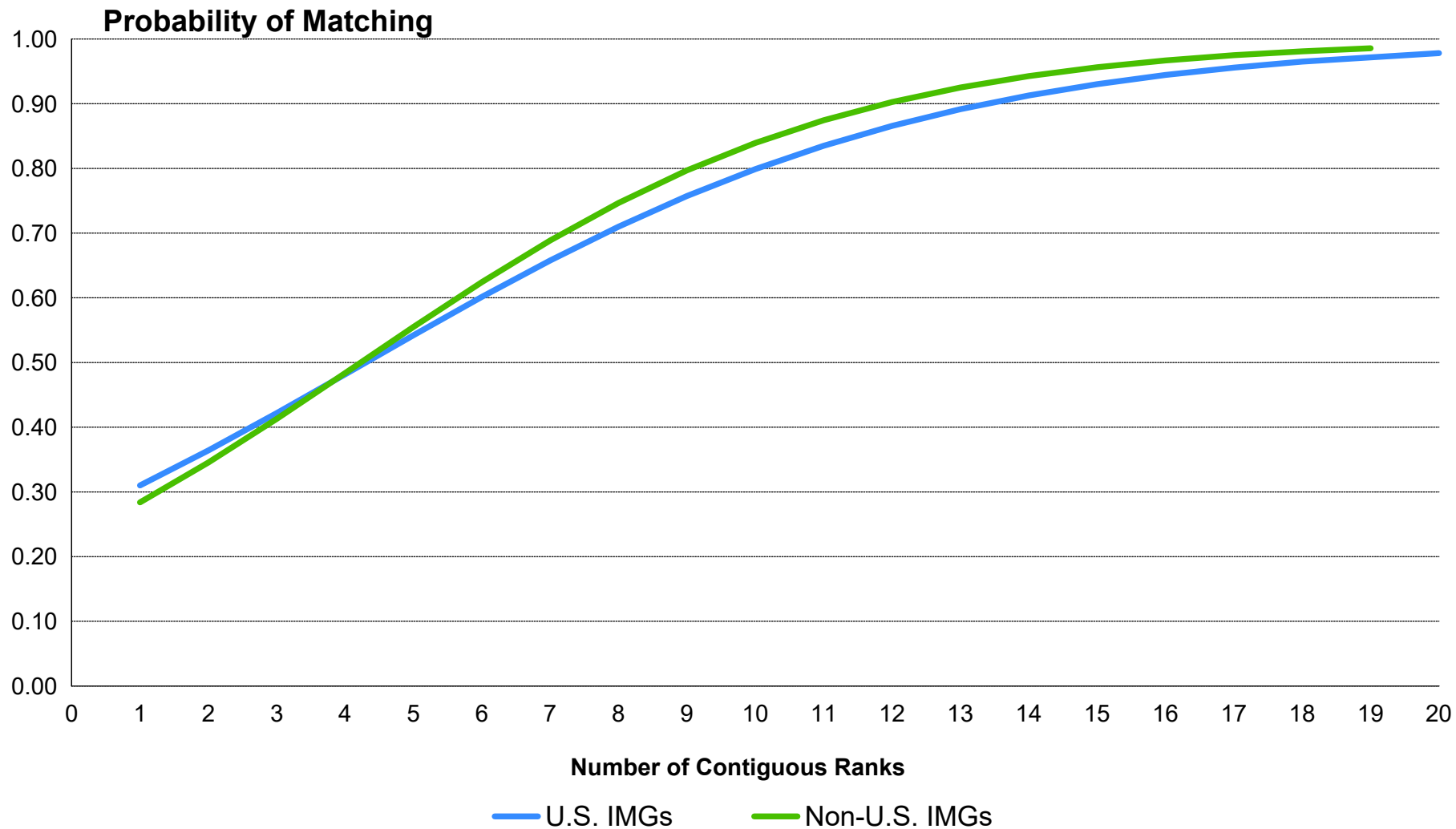


Source: NRMP Data Warehouse



**Graph  
DR-1**

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

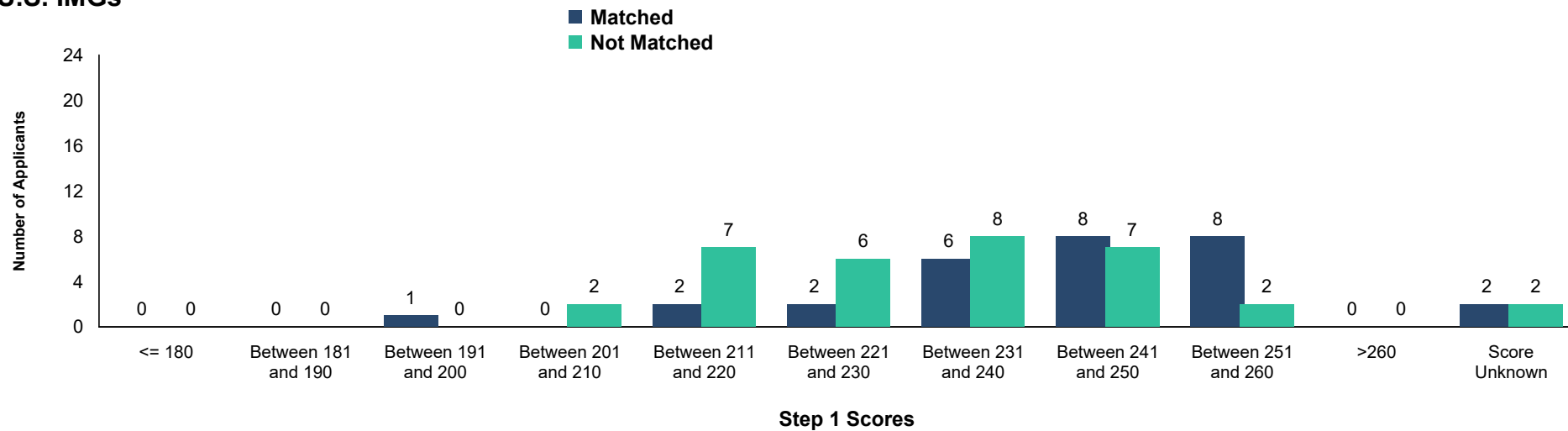


Source: NRMP Data Warehouse. Note: Probabilities calculated based on 2020-2022 applicants

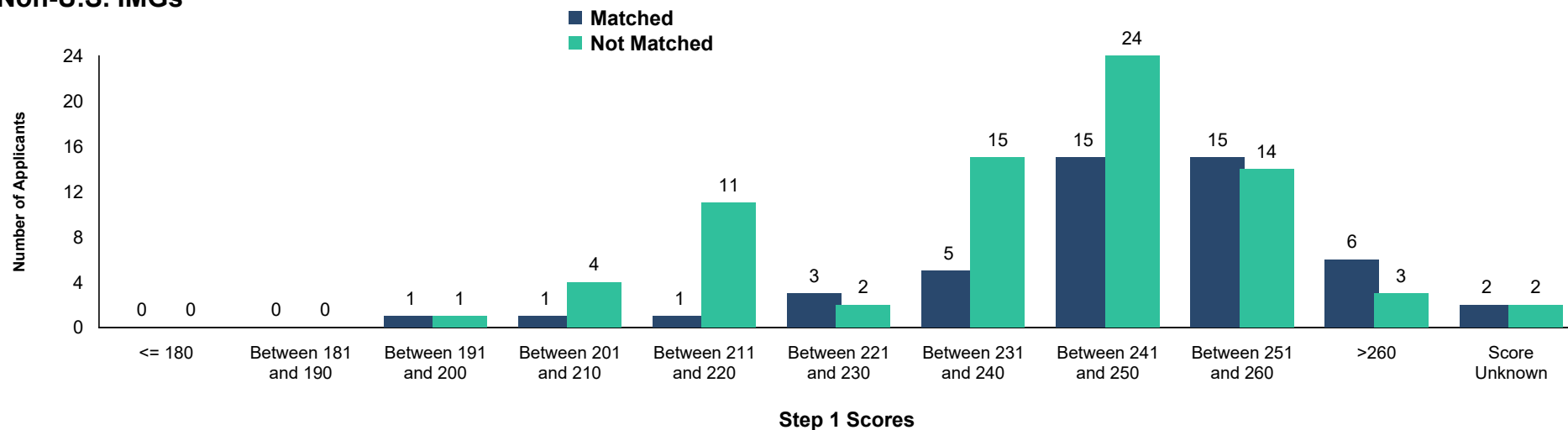
**Chart  
DR-3**

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

**U.S. IMGs**



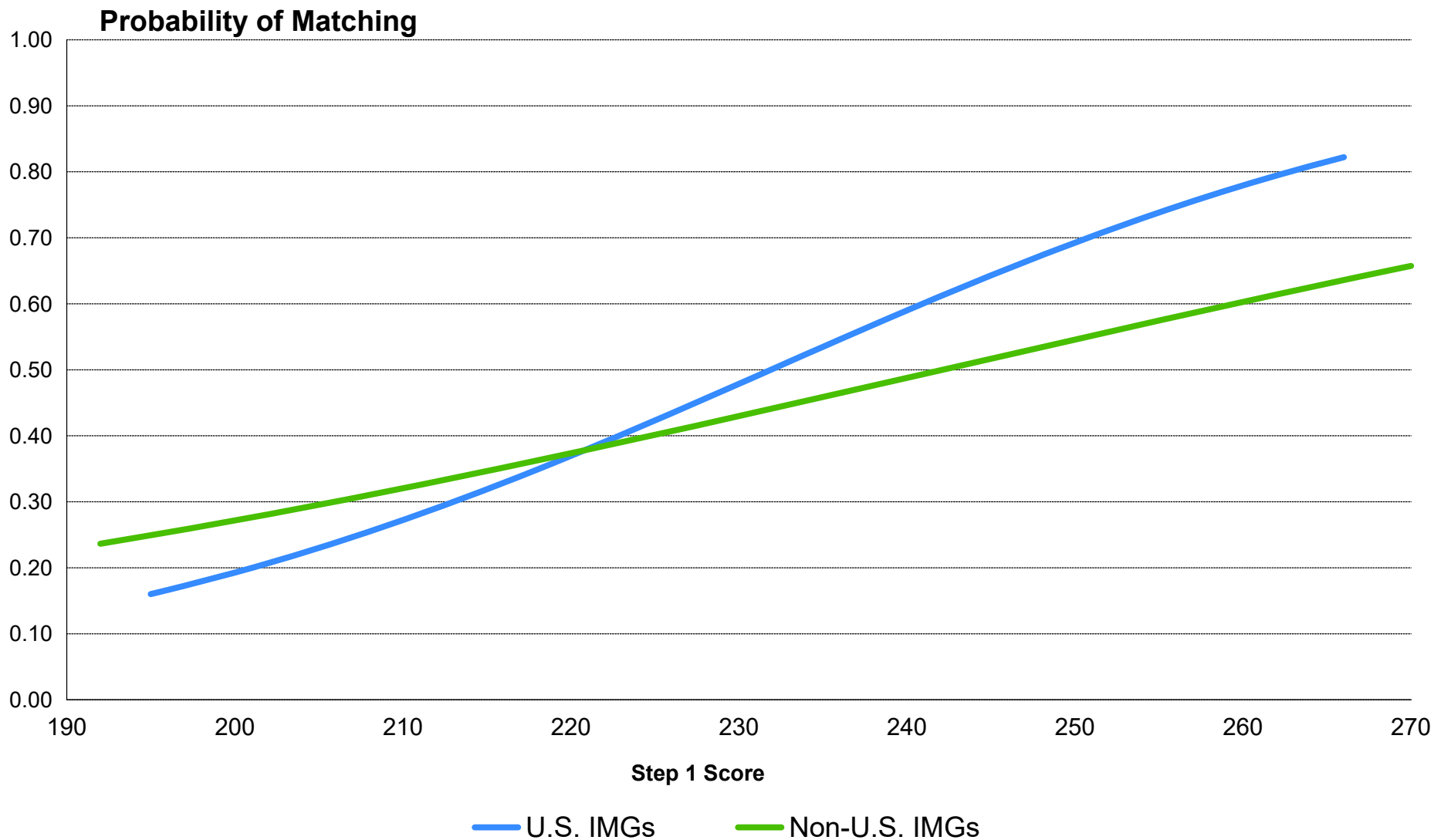
**Non-U.S. IMGs**



Source: NRMP Data Warehouse

**Graph  
DR-2**

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

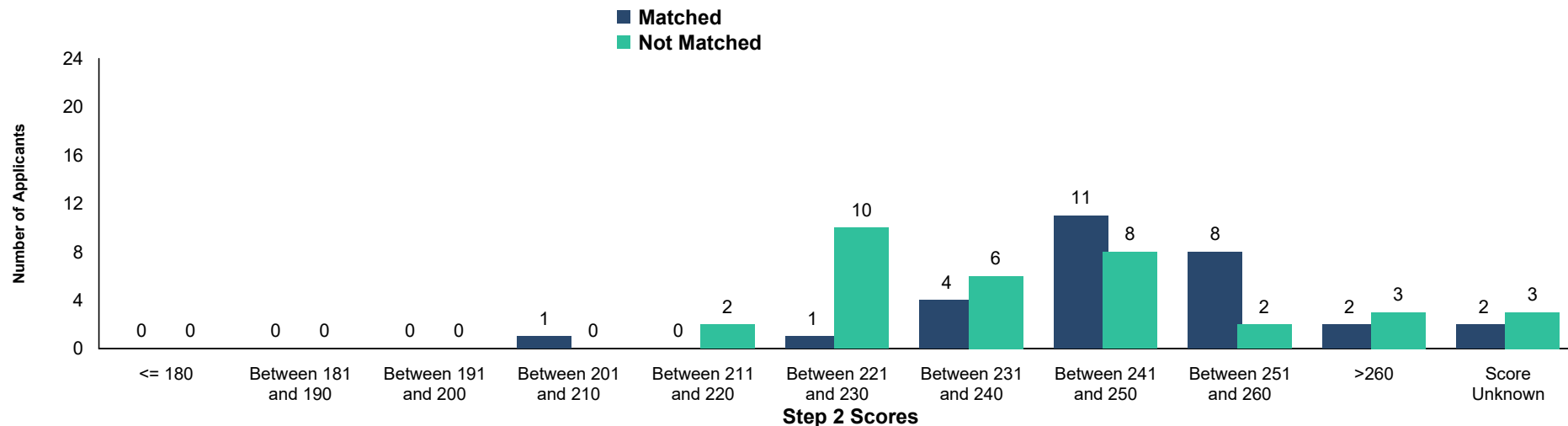


Source: NRMP Data Warehouse. Note: Probabilities calculated based on 2020-2022 applicants.

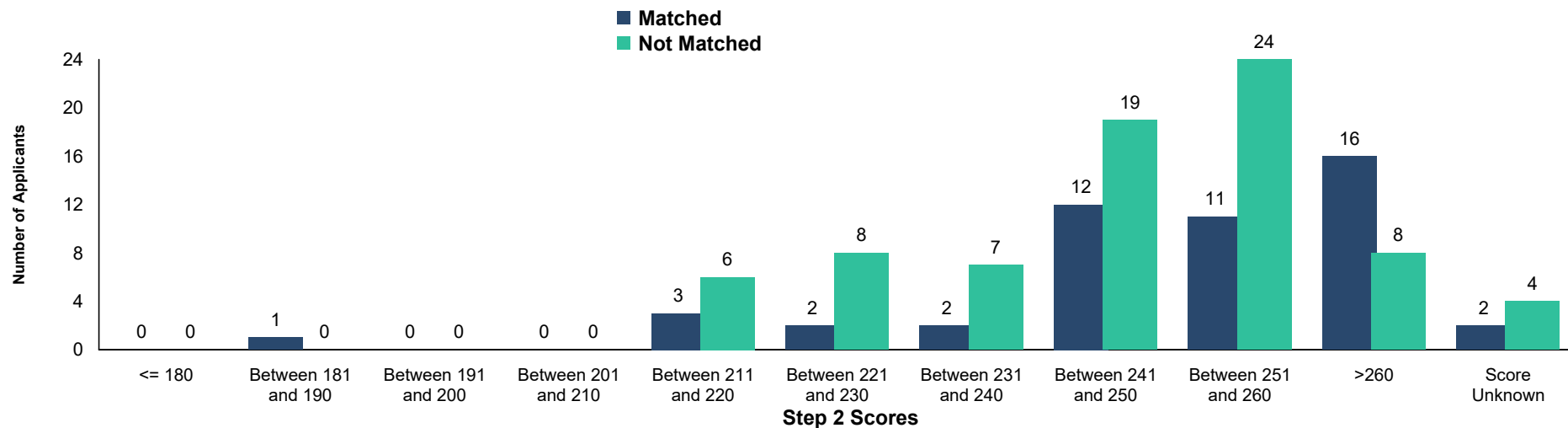
**Chart  
DR-4**

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

**U.S. IMGs**



**Non-U.S. IMGs**

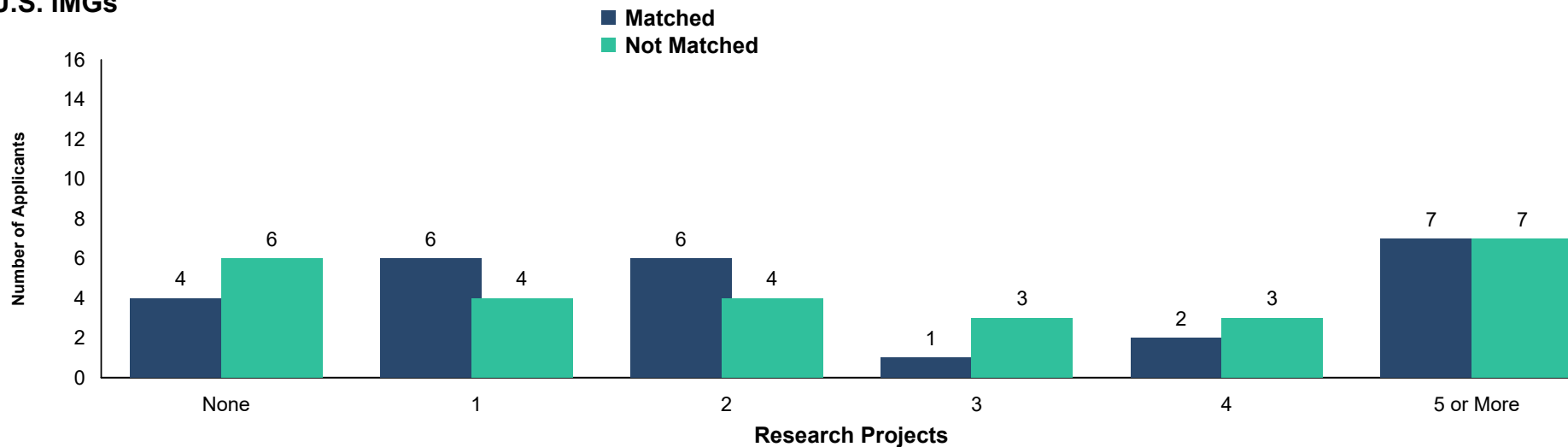


Source: NRMP Data Warehouse

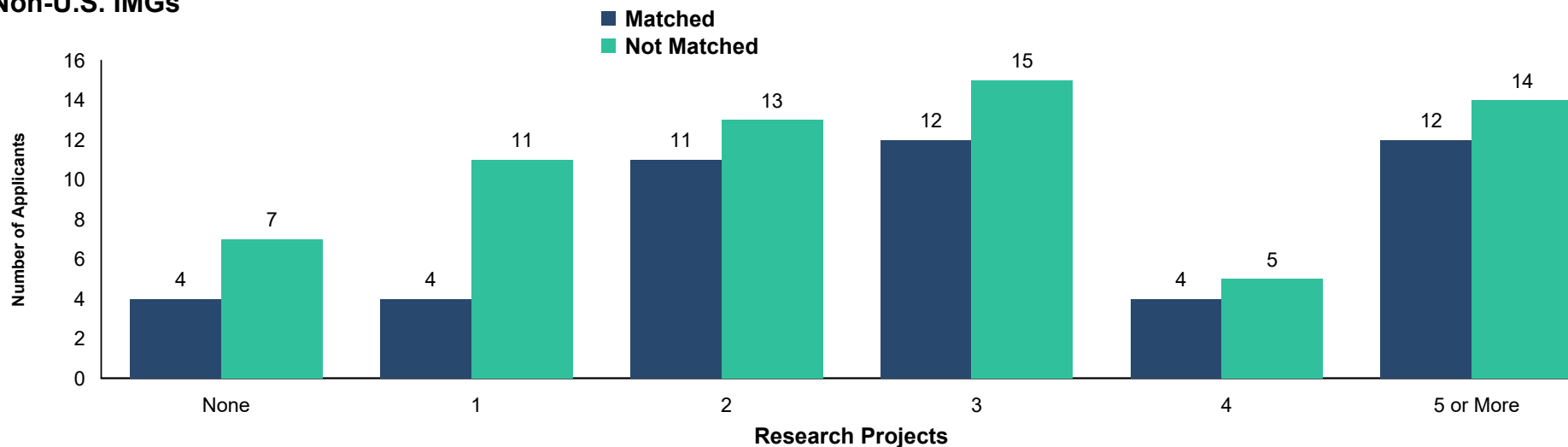
**Chart  
DR-5**

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

**U.S. IMGs**



**Non-U.S. IMGs**

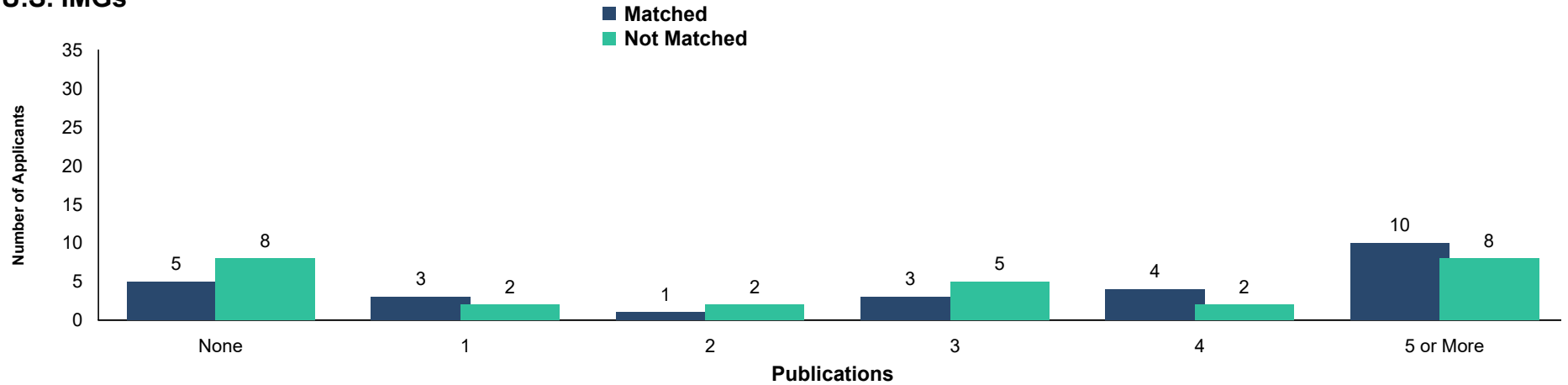


Source: NRMP Data Warehouse

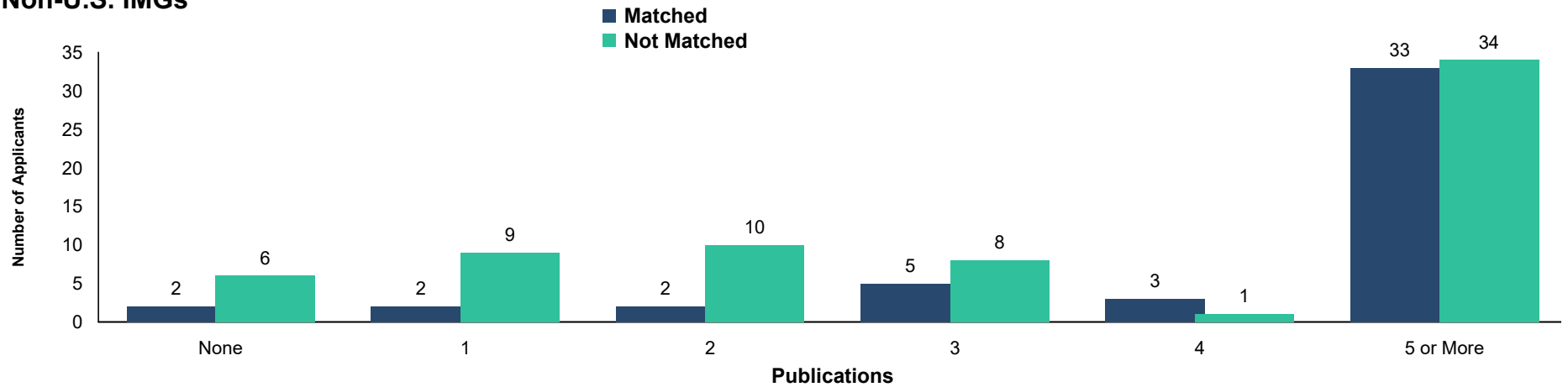
**Chart  
DR-6**

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

**U.S. IMGs**



**Non-U.S. IMGs**

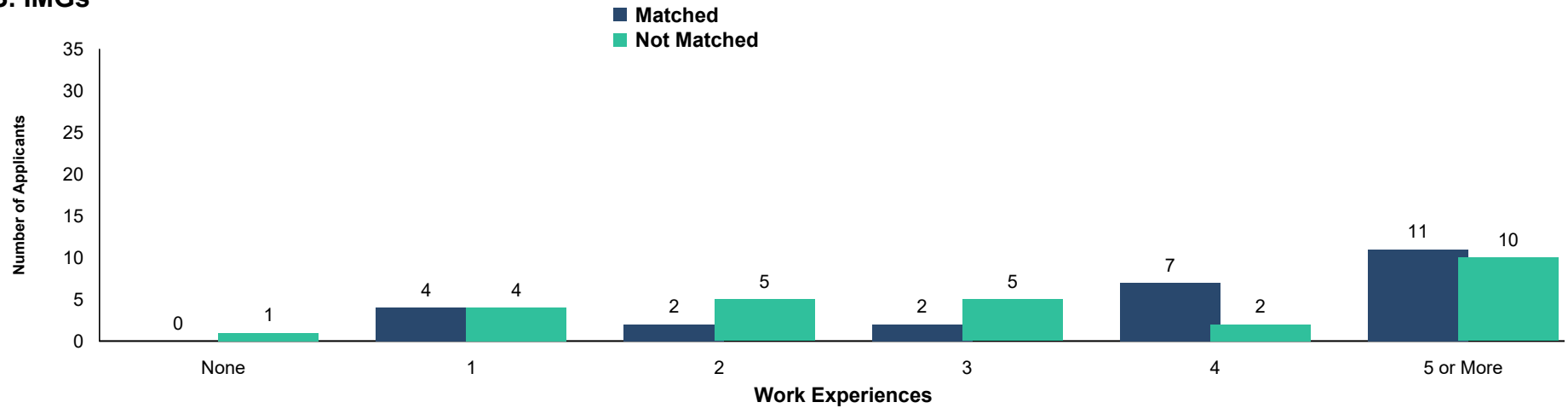


Source: NRMP Data Warehouse

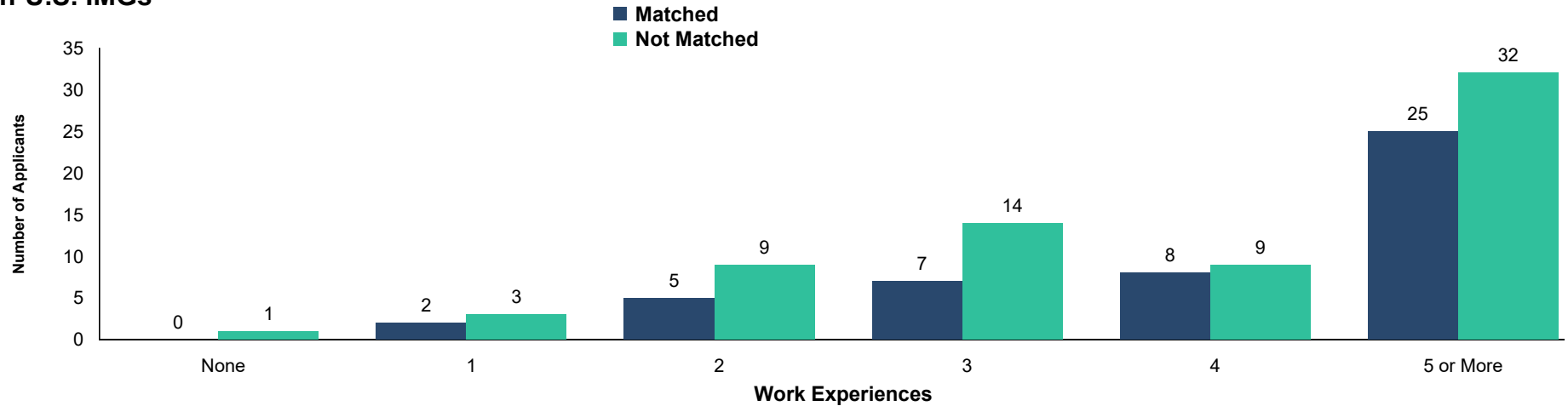
**Chart  
DR-7**

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

**U.S. IMGs**



**Non-U.S. IMGs**

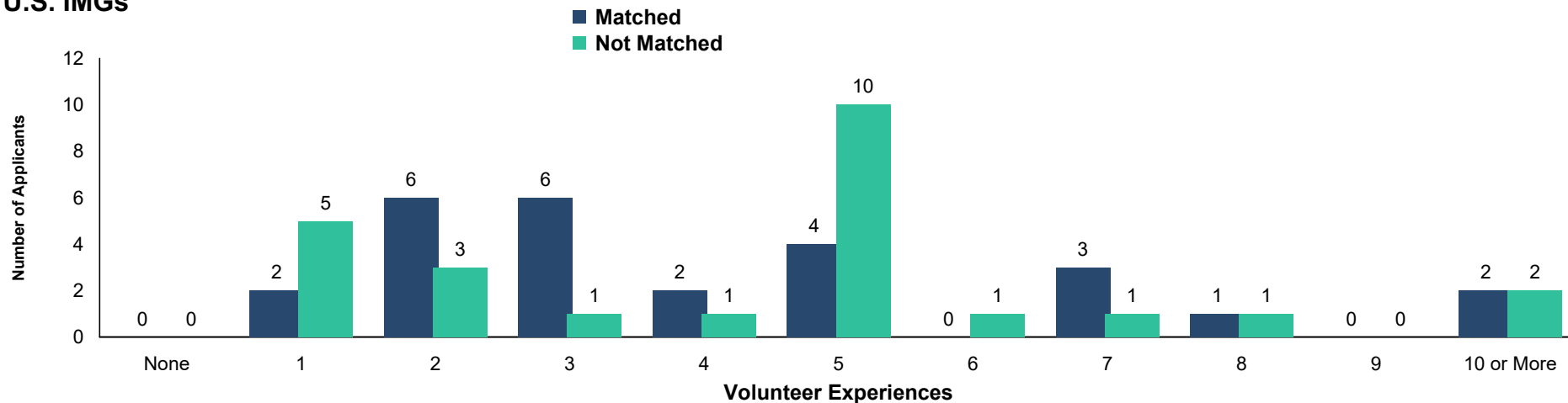


Source: NRMP Data Warehouse

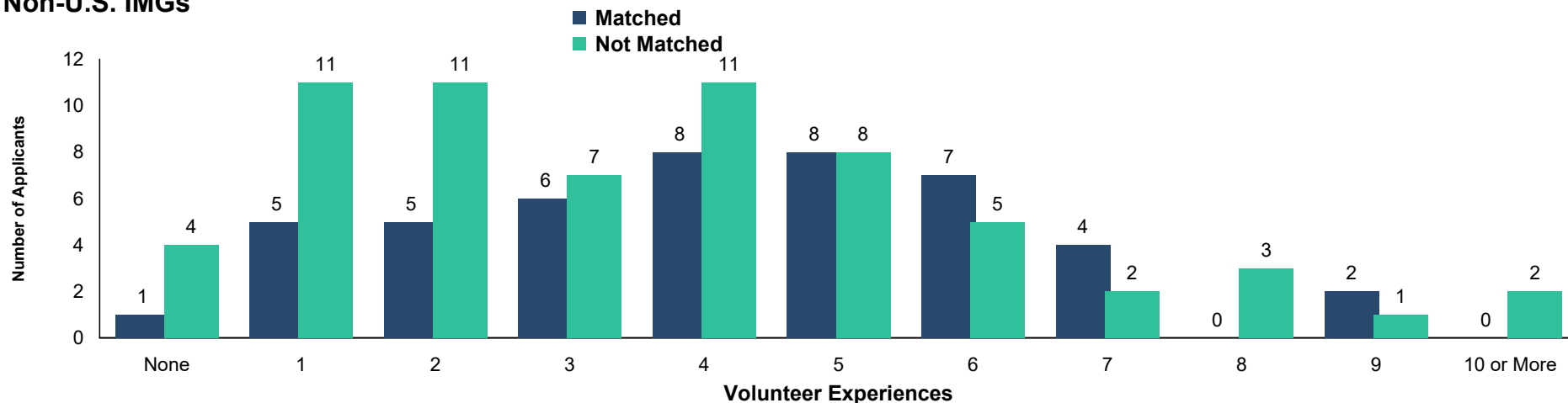
**Chart  
DR-8**

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

**U.S. IMGs**



**Non-U.S. IMGs**



Source: NRMP Data Warehouse

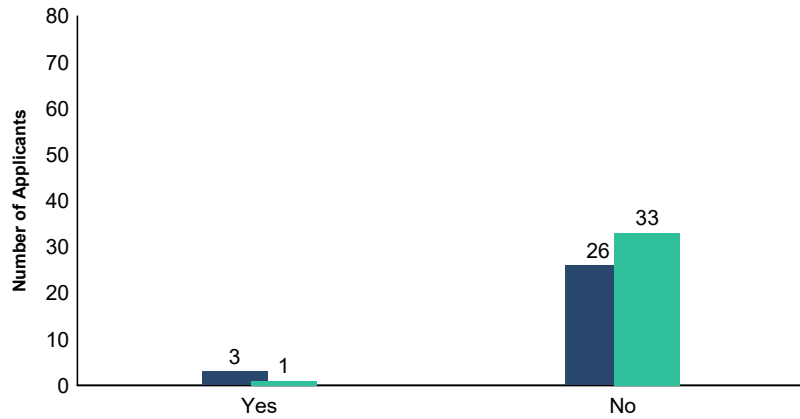


**Chart  
DR-9**

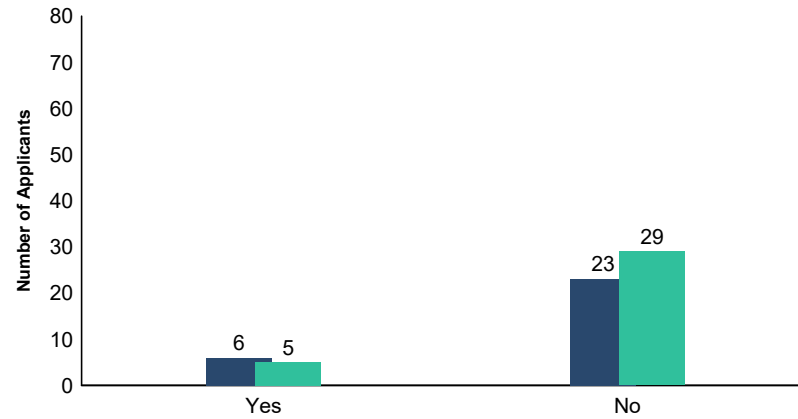
**Other Characteristics of International Medical Graduates**  
*Diagnostic Radiology*

**U.S. IMGs**

**Ph.D. Degree**

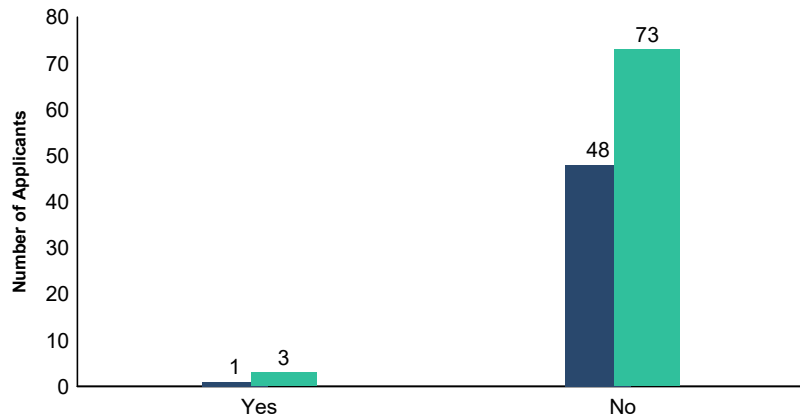


**Other Graduate Degree**

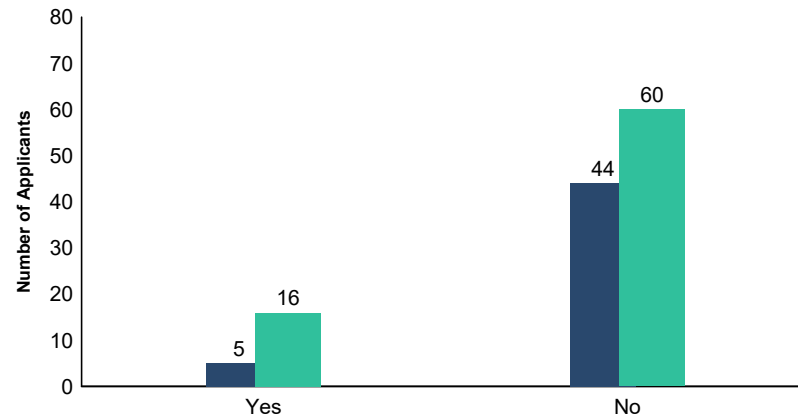


**Non-U.S. IMGs**

**Ph.D. Degree**



**Other Graduate Degree**



Source: NRMP Data Warehouse

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**EM** **Emergency Medicine**

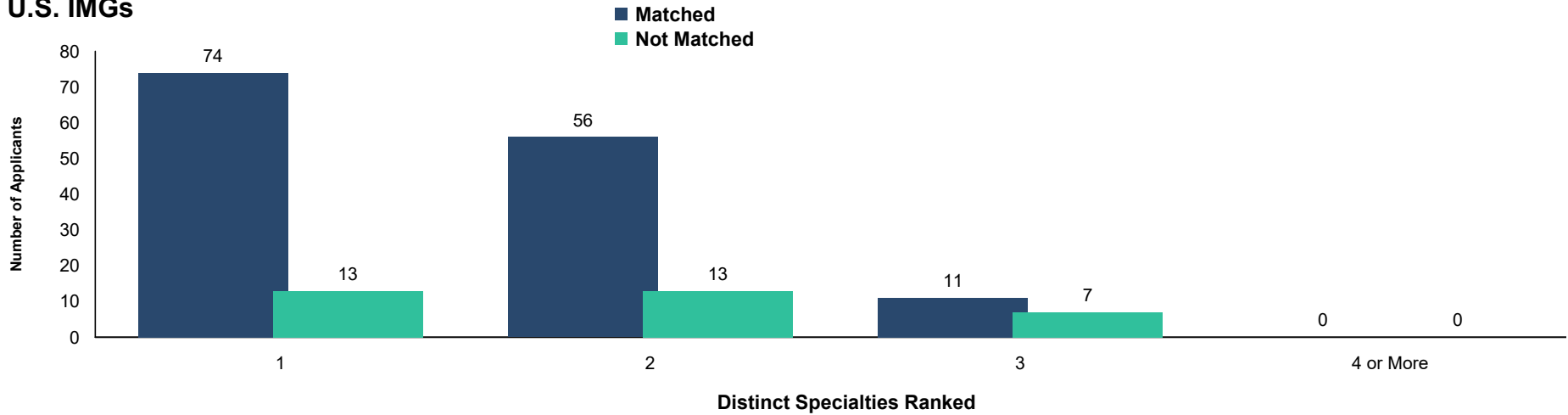
**Table** **Summary Statistics**  
**EM-1** **Emergency Medicine**

Measure	U.S. IMGs		Non-U.S. IMGs	
	Matched (n=141)	Unmatched (n=34)	Matched (n=36)	Unmatched (n=16)
1. Mean number of contiguous ranks	8.1	2.8	3.9	2.0
2. Mean number of distinct specialties ranked	1.6	1.9	1.5	1.9
3. Mean USMLE Step 1 score	227	213	231	222
4. Mean USMLE Step 2 score	238	225	240	233
5. Mean number of research experiences	1.8	1.9	2.8	2.8
6. Mean number of abstracts, presentations, and publications	2.2	2.4	8.9	4.6
7. Mean number of work experiences	4.4	4.5	5.5	8.9
8. Mean number of volunteer experiences	5.2	3.6	6.0	5.5
9. Percentage who have a Ph.D. degree	0.0	0.0	3.1	0.0
10. Percentage who have another graduate degree	29.4	26.7	30.3	18.8

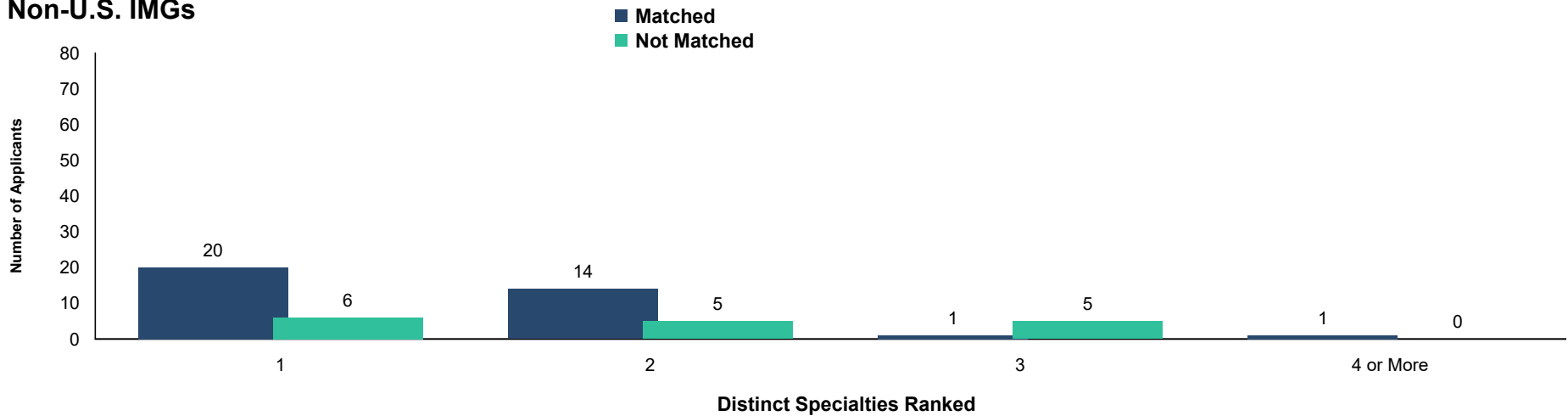
Note: Only applicants who gave consent to use their information in research are included.  
Source: NRMP Data Warehouse

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

### U.S. IMGs



### Non-U.S. IMGs

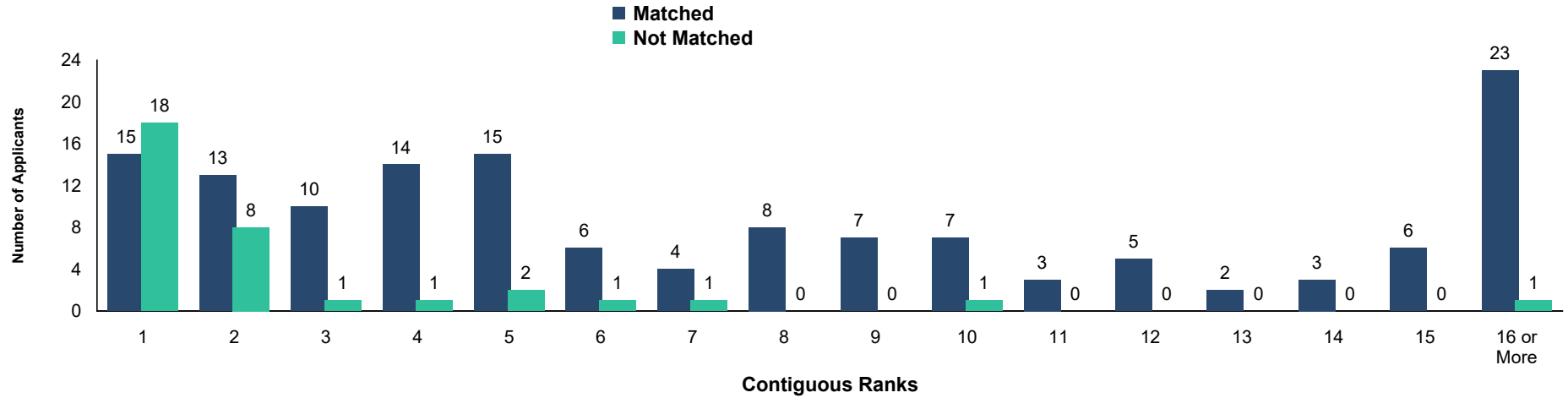


Source: NRMP Data Warehouse

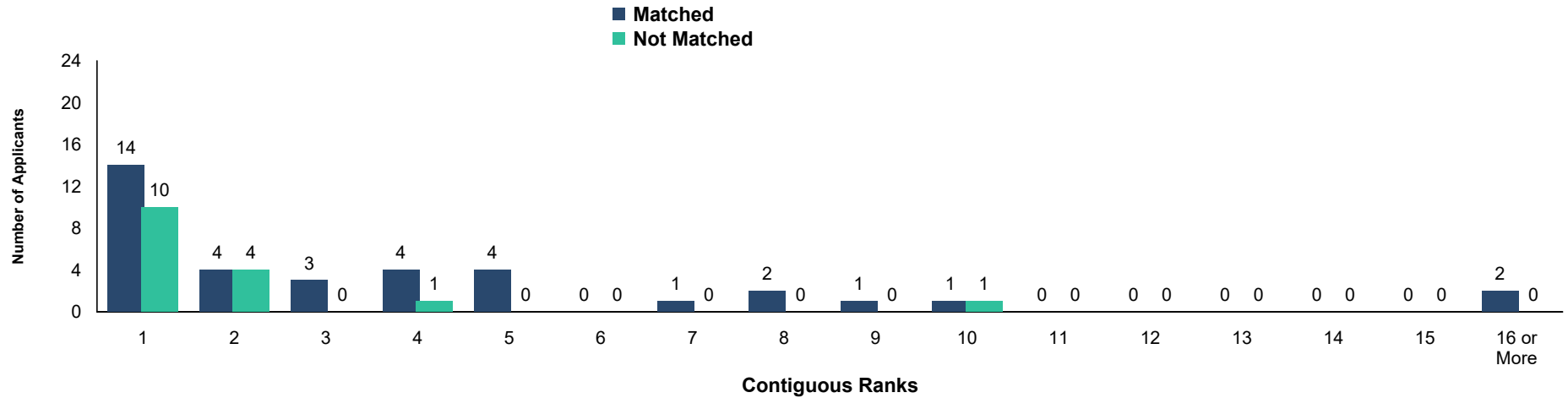
**Chart  
EM-2**

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

**U.S. IMGs**



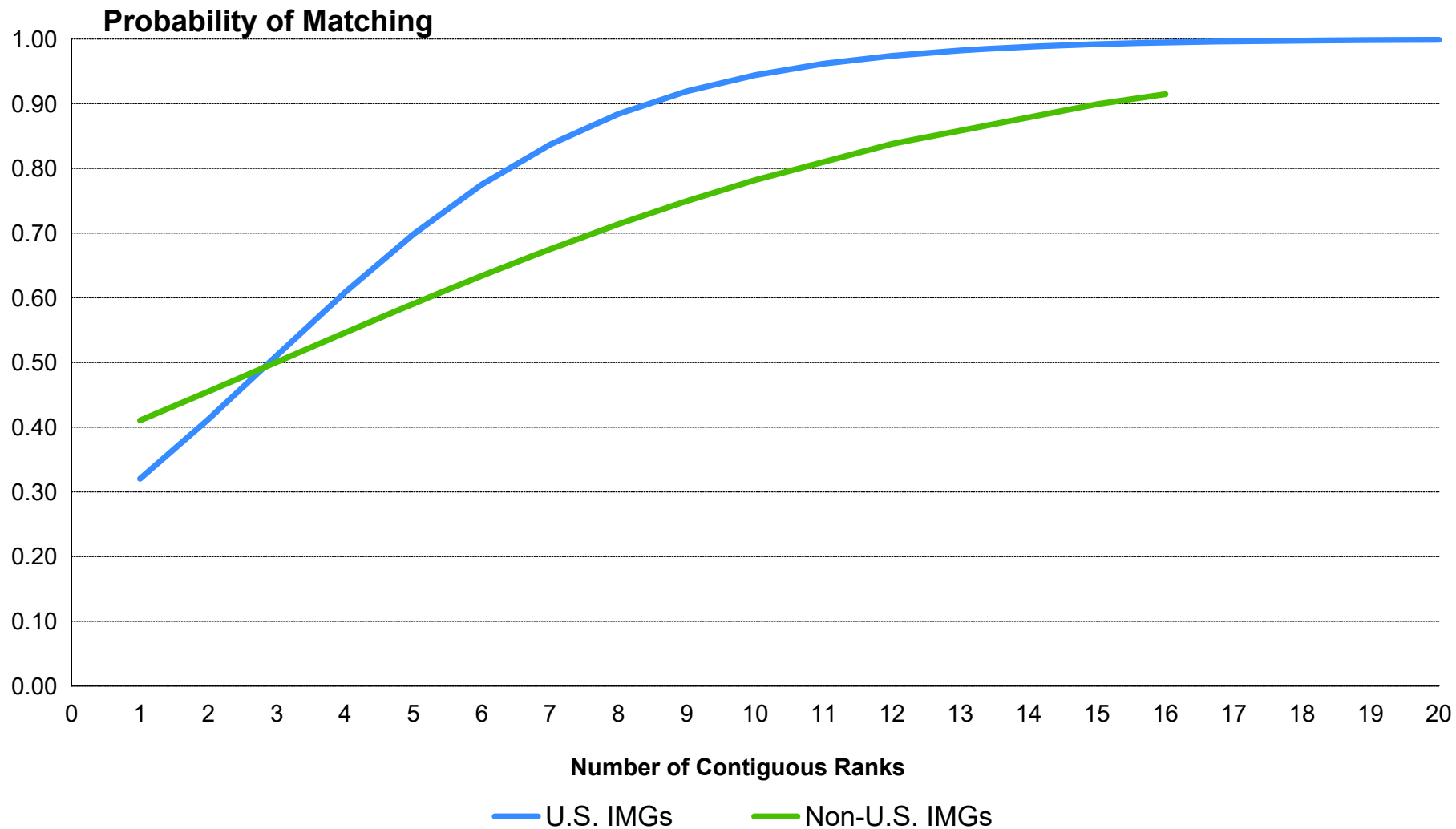
**Non-U.S. IMGs**



Source: NRMP Data Warehouse

**Graph  
EM-1**

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

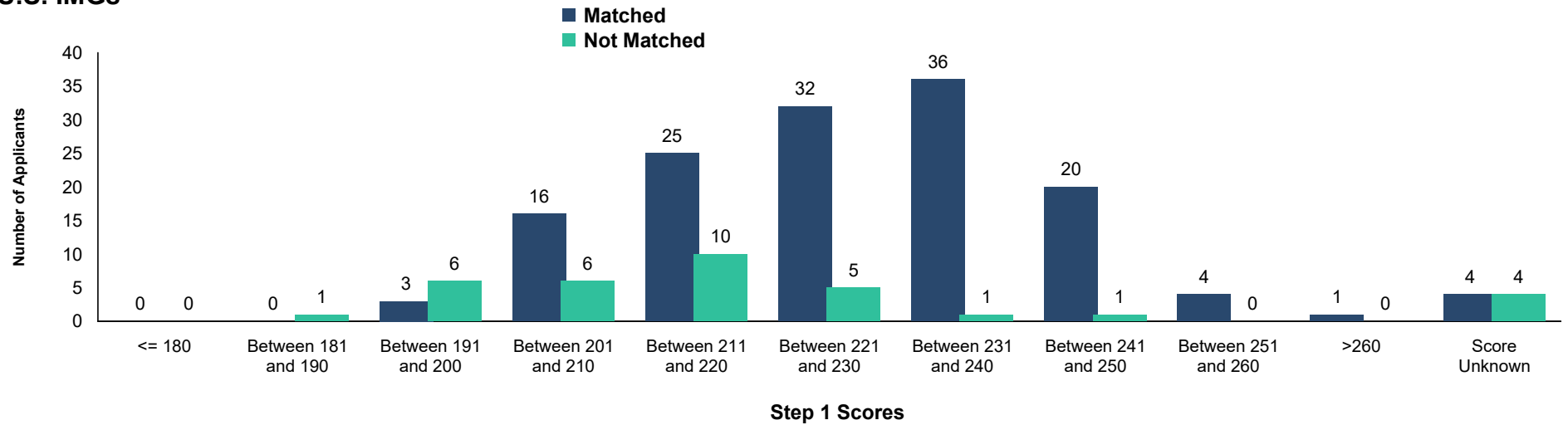


Source: NRMP Data Warehouse. Note: Probabilities calculated based on 2020-2022 applicants

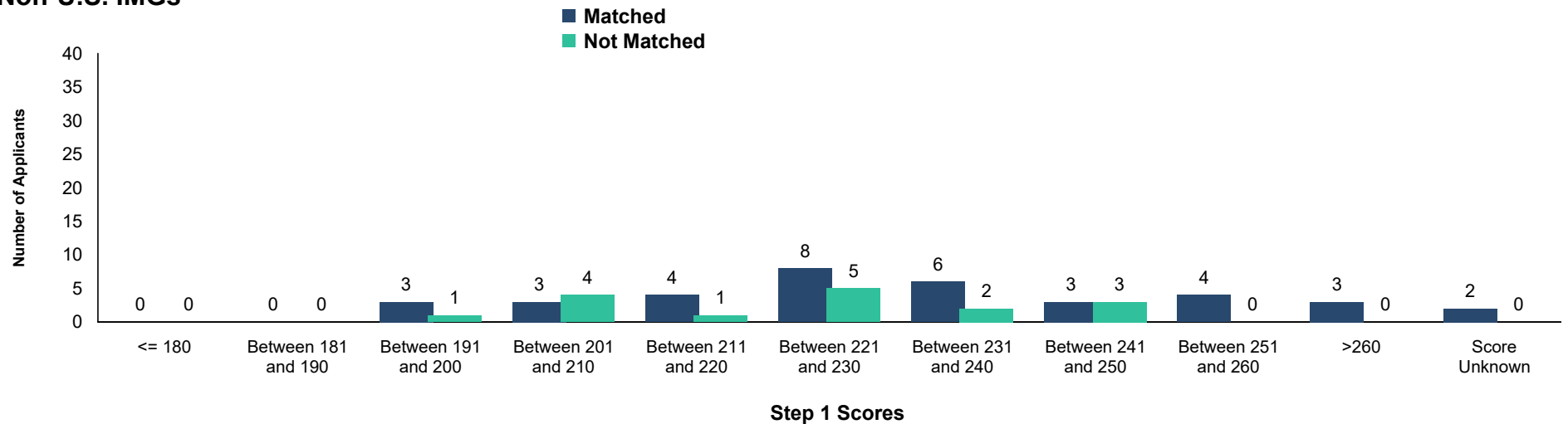
**Chart  
EM-3**

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

**U.S. IMGs**



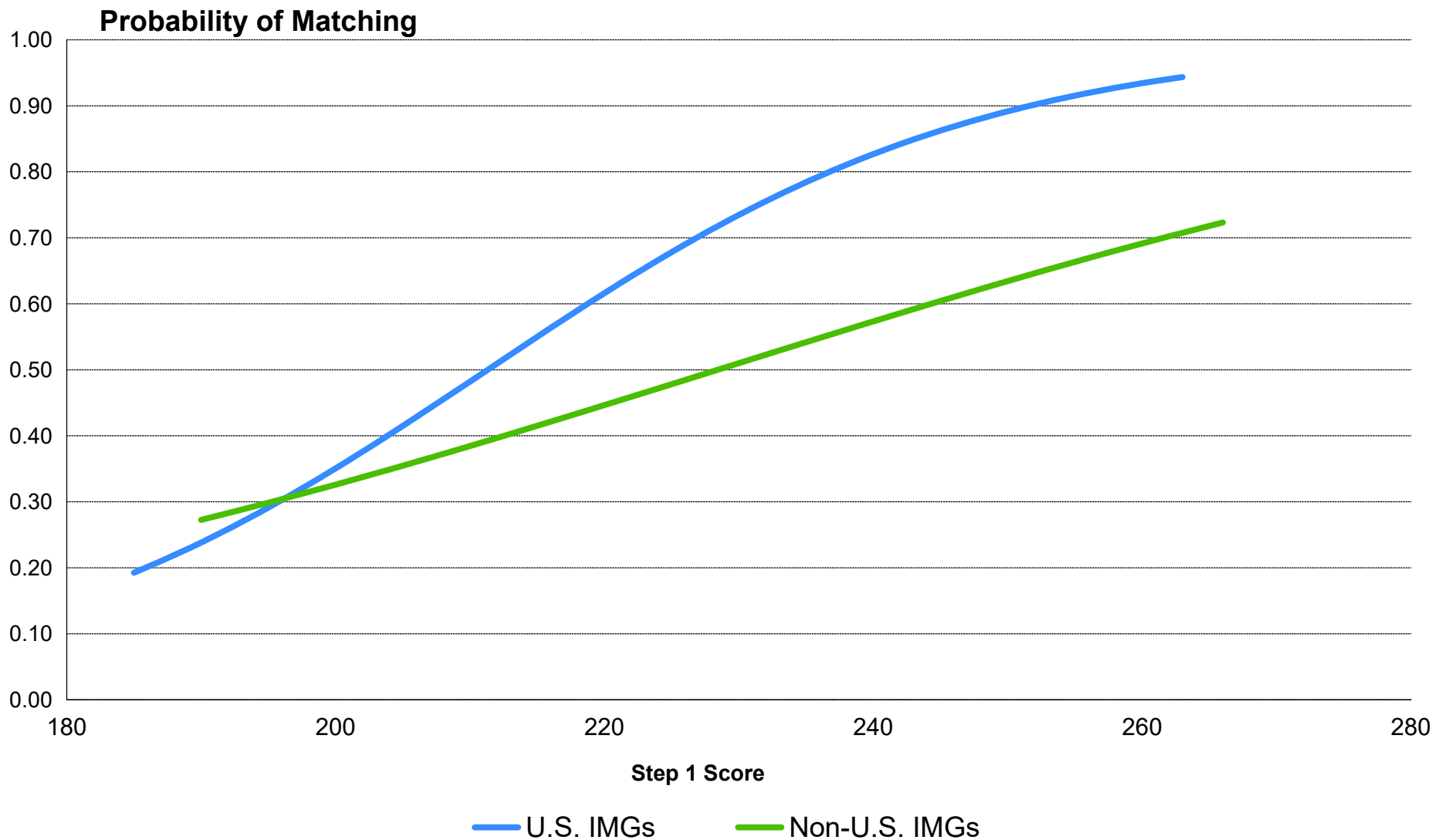
**Non-U.S. IMGs**



Source: NRMP Data Warehouse

**Graph  
EM-2**

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



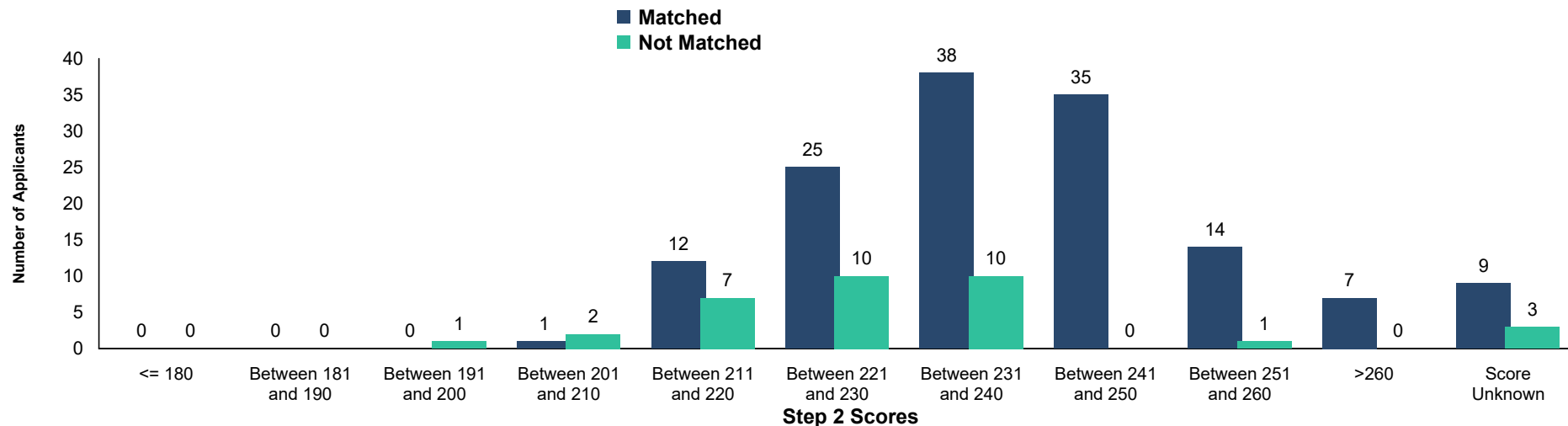
Source: NRMP Data Warehouse. Note: Probabilities calculated based on 2020-2022 applicants.



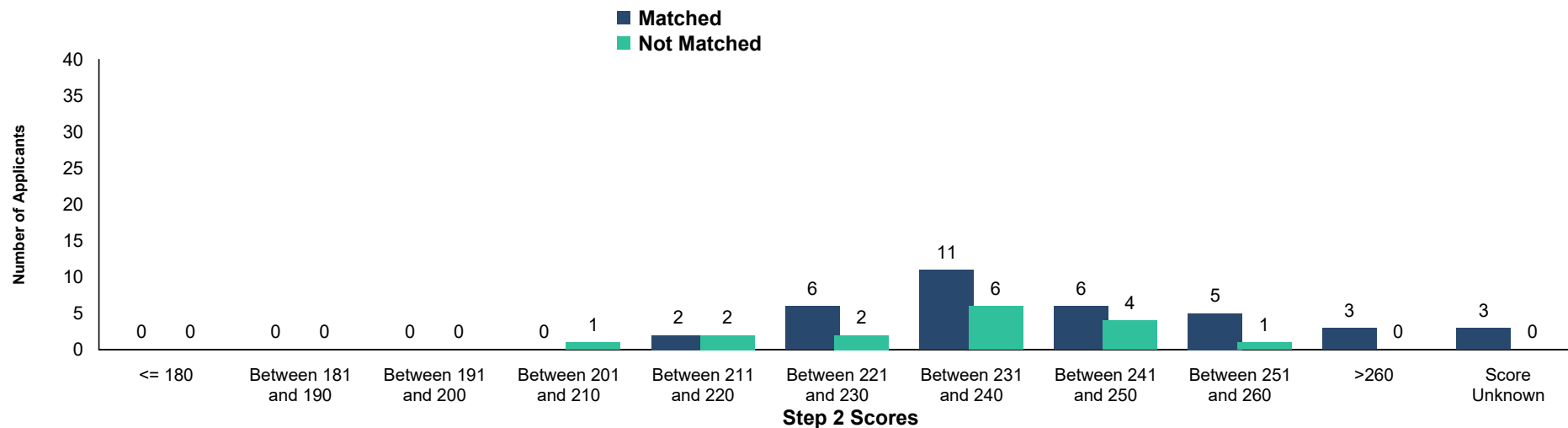
**Chart  
EM-4**

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

**U.S. IMGs**



**Non-U.S. IMGs**

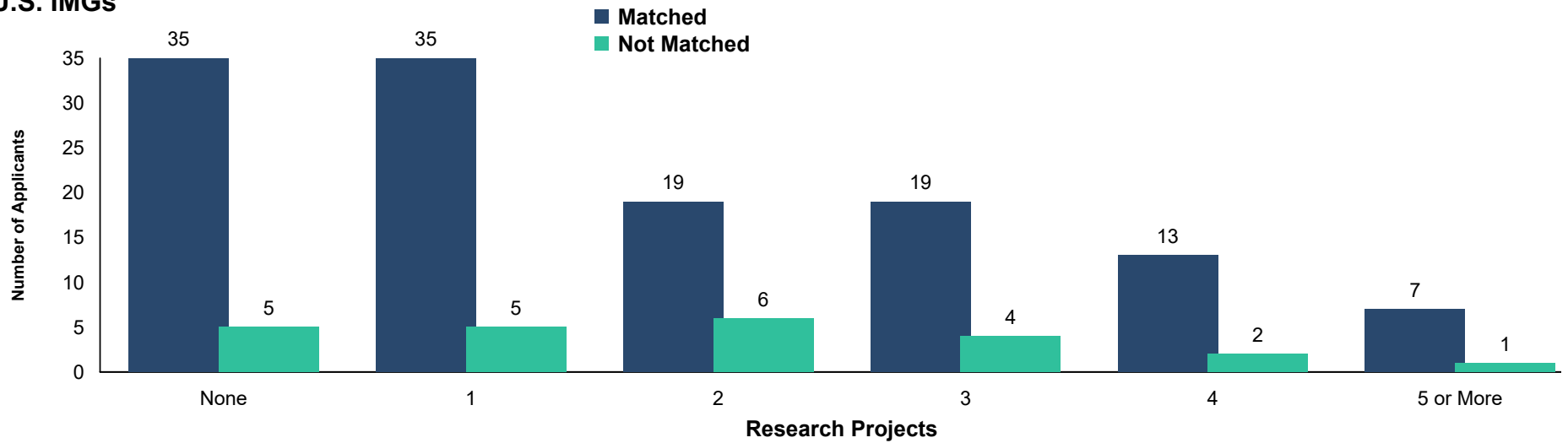


Source: NRMP Data Warehouse

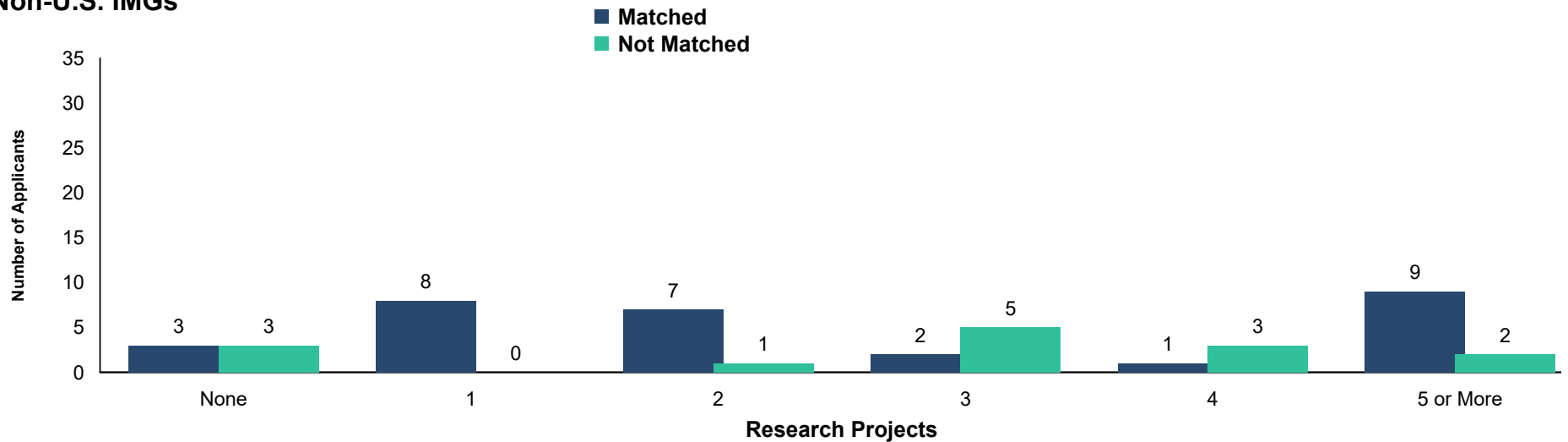
**Chart  
EM-5**

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

**U.S. IMGs**



**Non-U.S. IMGs**

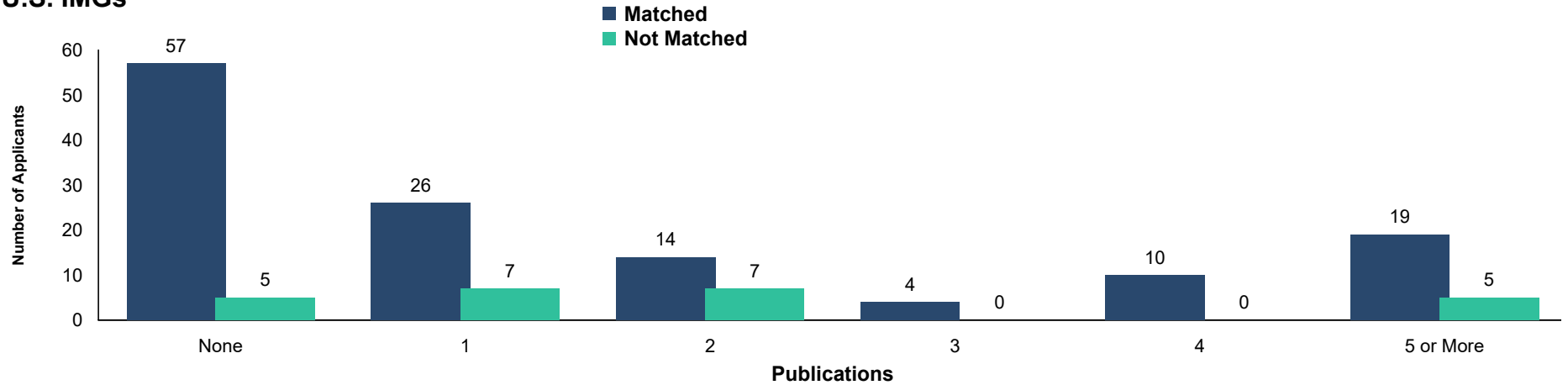


Source: NRMP Data Warehouse

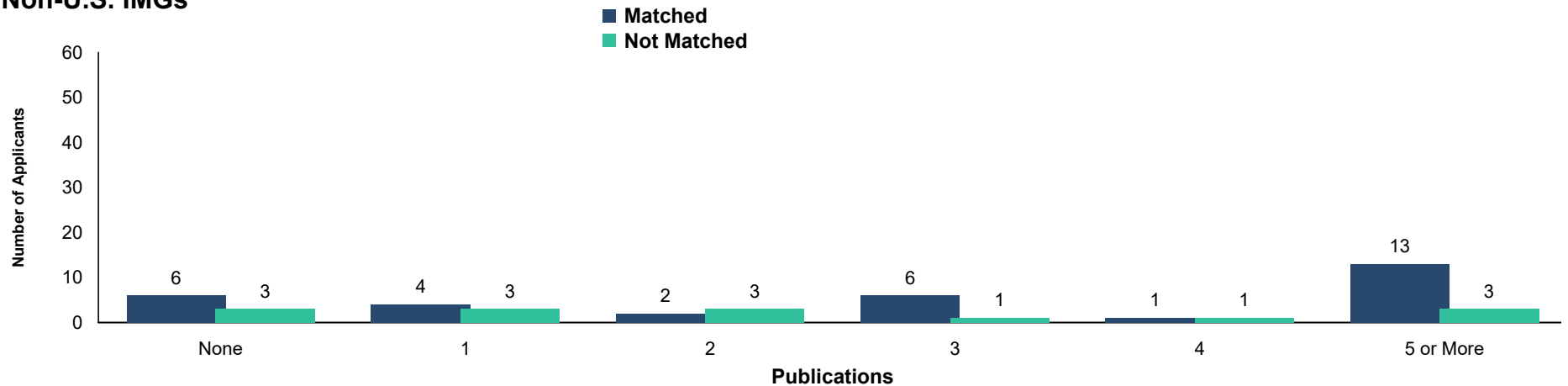
**Chart  
EM-6**

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

**U.S. IMGs**



**Non-U.S. IMGs**

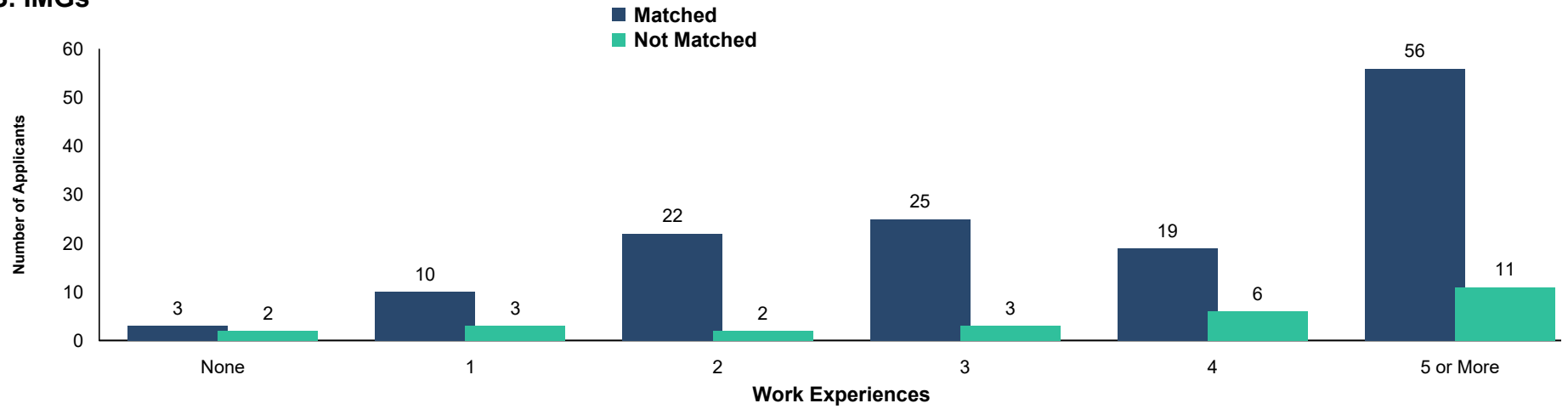


Source: NRMP Data Warehouse

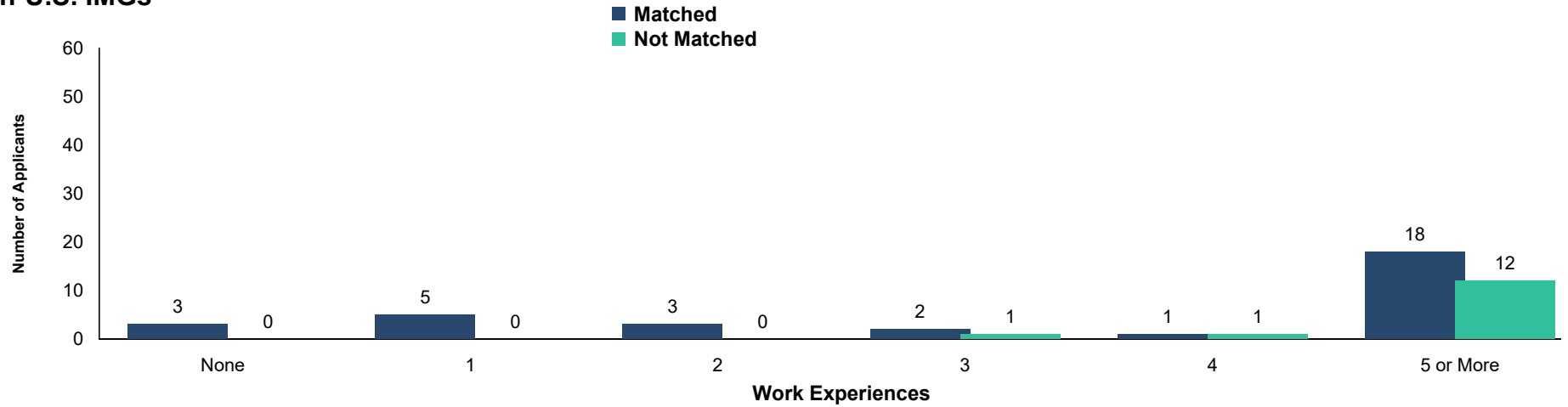
**Chart  
EM-7**

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

**U.S. IMGs**



**Non-U.S. IMGs**

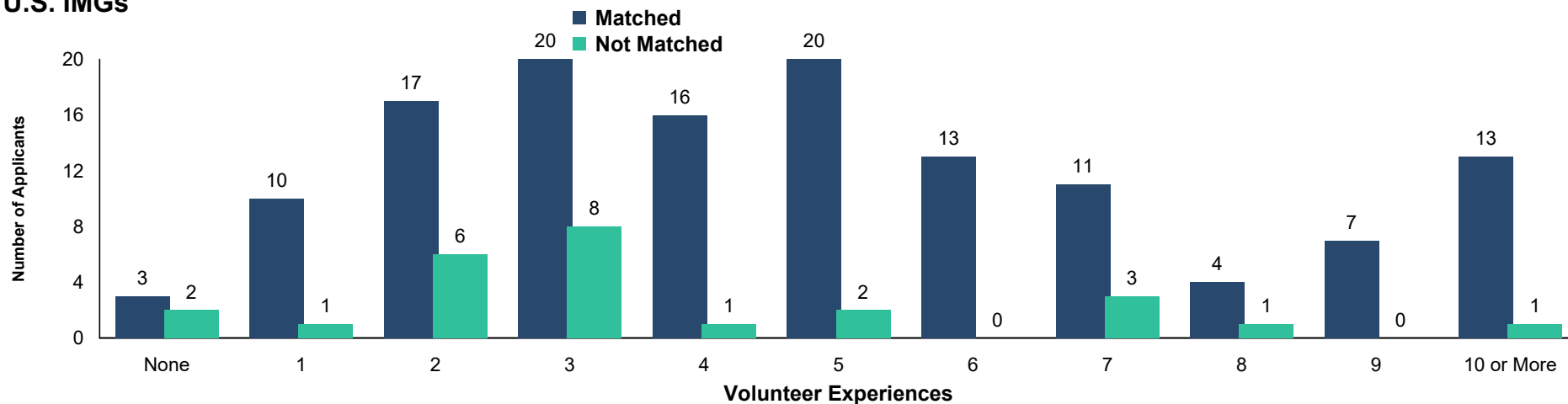


Source: NRMP Data Warehouse

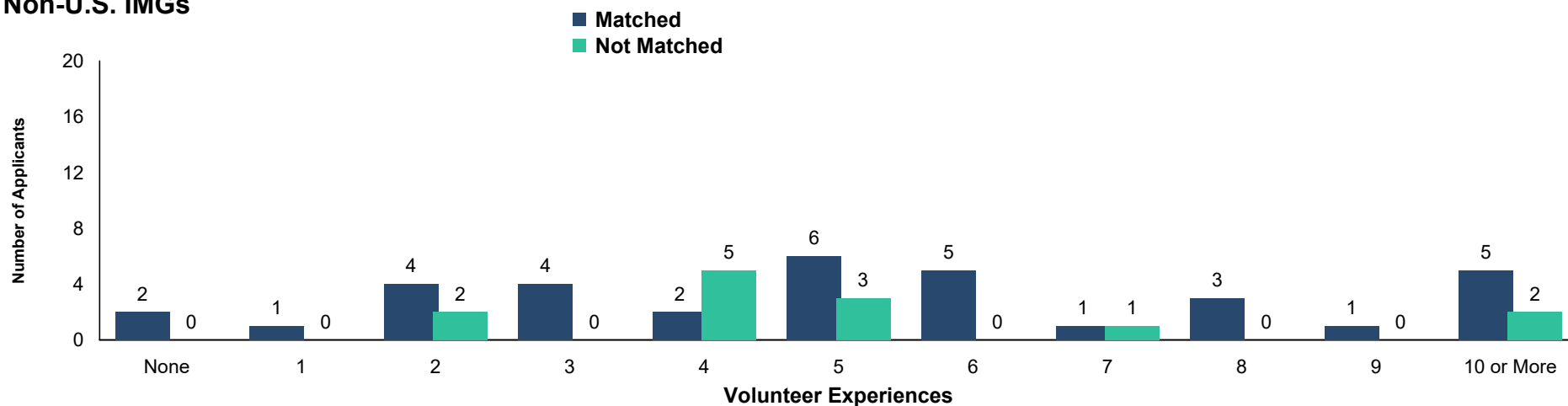
**Chart  
EM-8**

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

**U.S. IMGs**



**Non-U.S. IMGs**



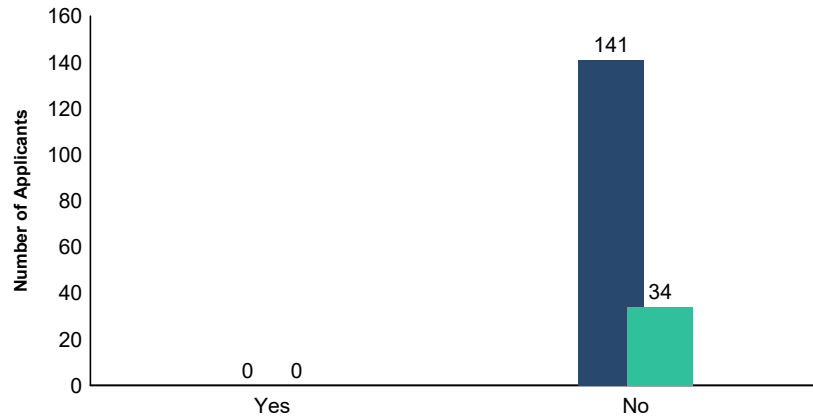
Source: NRMP Data Warehouse

**Chart  
EM-9**

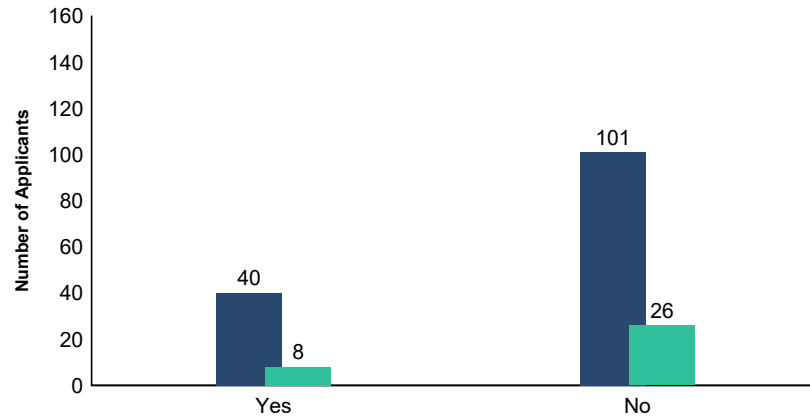
**Other Characteristics of International Medical Graduates  
Emergency Medicine**

**U.S. IMGs**

**Ph.D. Degree**

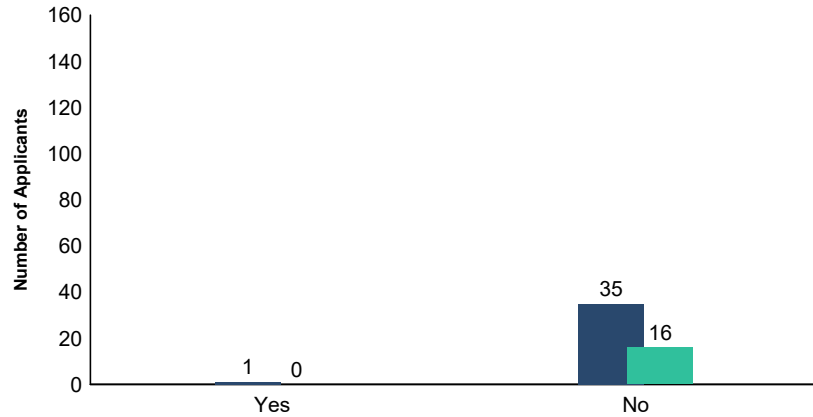


**Other Graduate Degree**

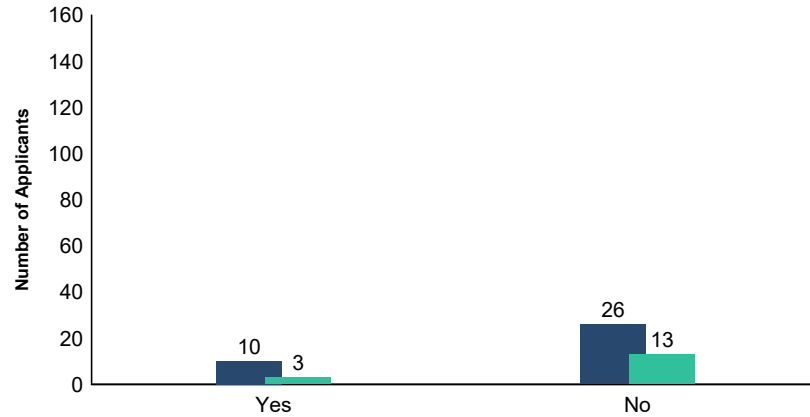


**Non-U.S. IMGs**

**Ph.D. Degree**



**Other Graduate Degree**



Source: NRMP Data Warehouse

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**FM** Family Medicine

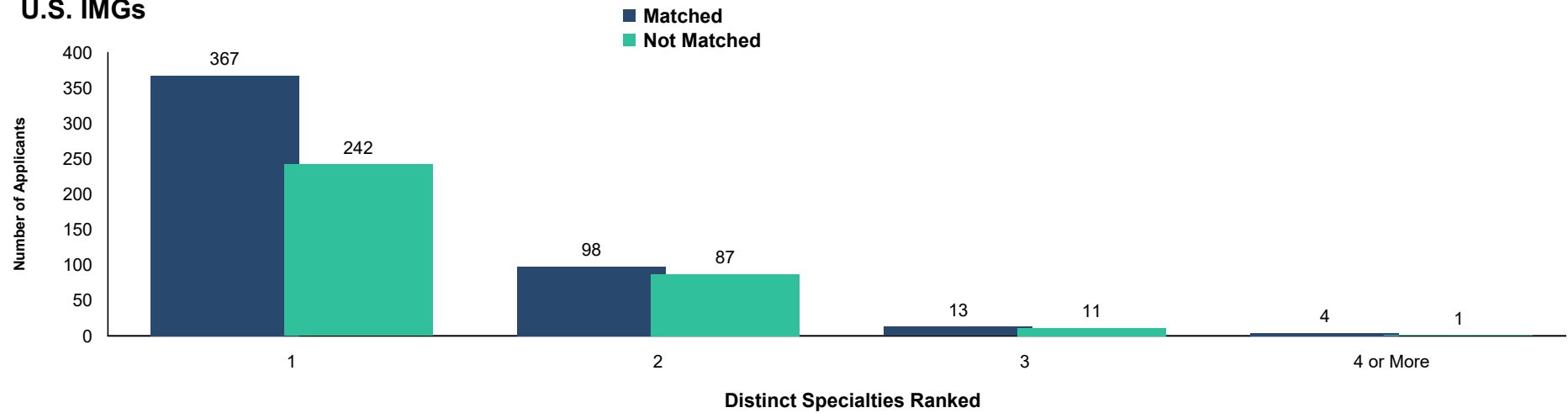
Measure	U.S. IMGs		Non-U.S. IMGs	
	Matched (n=483)	Unmatched (n=343)	Matched (n=282)	Unmatched (n=317)
1. Mean number of contiguous ranks	7.6	2.4	4.9	2.3
2. Mean number of distinct specialties ranked	1.3	1.3	1.4	1.3
3. Mean USMLE Step 1 score	211	207	219	213
4. Mean USMLE Step 2 score	225	219	231	224
5. Mean number of research experiences	1.8	2.3	2.0	3.0
6. Mean number of abstracts, presentations, and publications	2.3	3.5	3.8	3.4
7. Mean number of work experiences	4.7	5.9	5.3	6.6
8. Mean number of volunteer experiences	4.8	4.2	5.0	3.8
9. Percentage who have a Ph.D. degree	0.2	2.3	2.2	0.3
10. Percentage who have another graduate degree	26.3	36.5	16.8	30.3

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

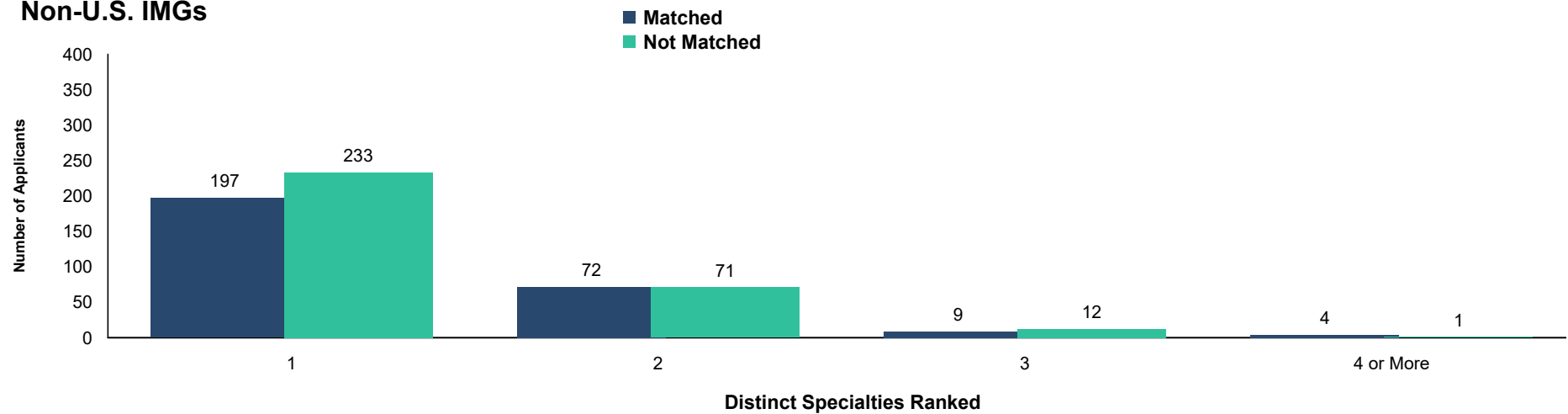


# Number of Distinct Specialties Ranked by International Medical Graduates Family Medicine

## U.S. IMGs



## Non-U.S. IMGs

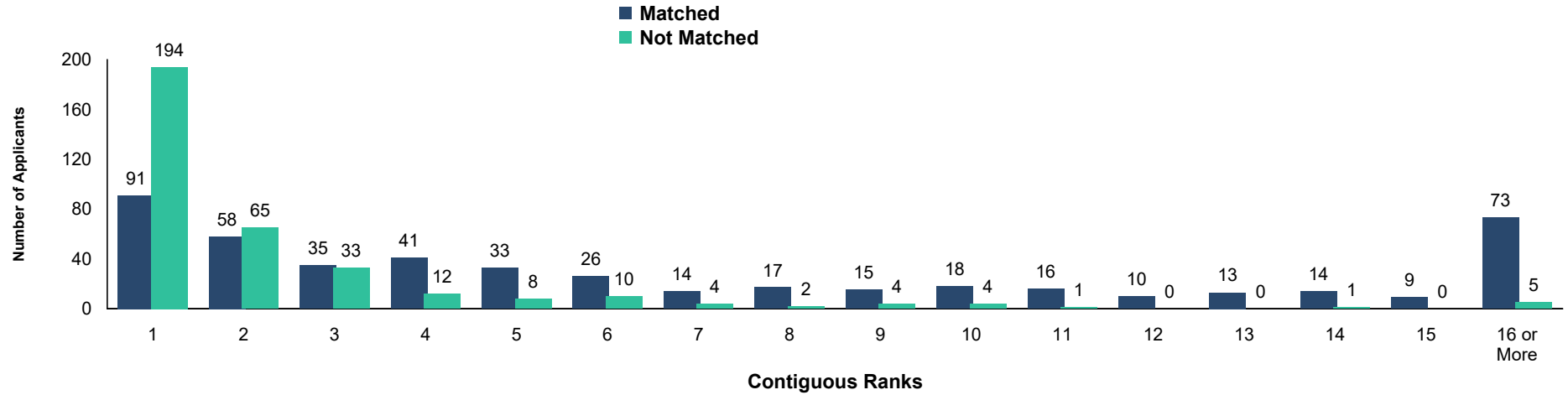


Source: NRMP Data Warehouse

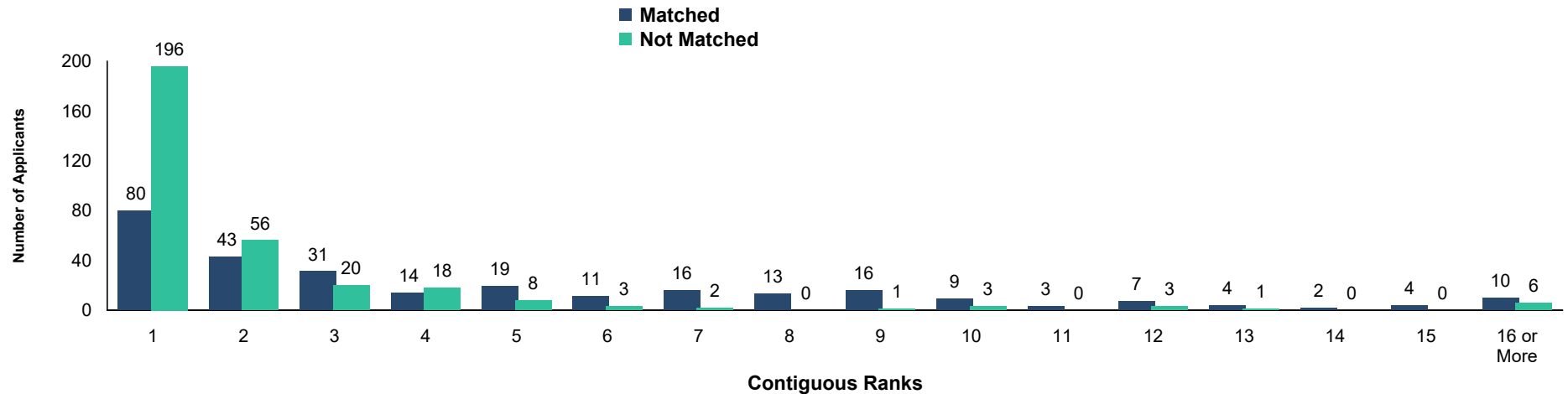
**Chart  
FM-2**

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

**U.S. IMGs**



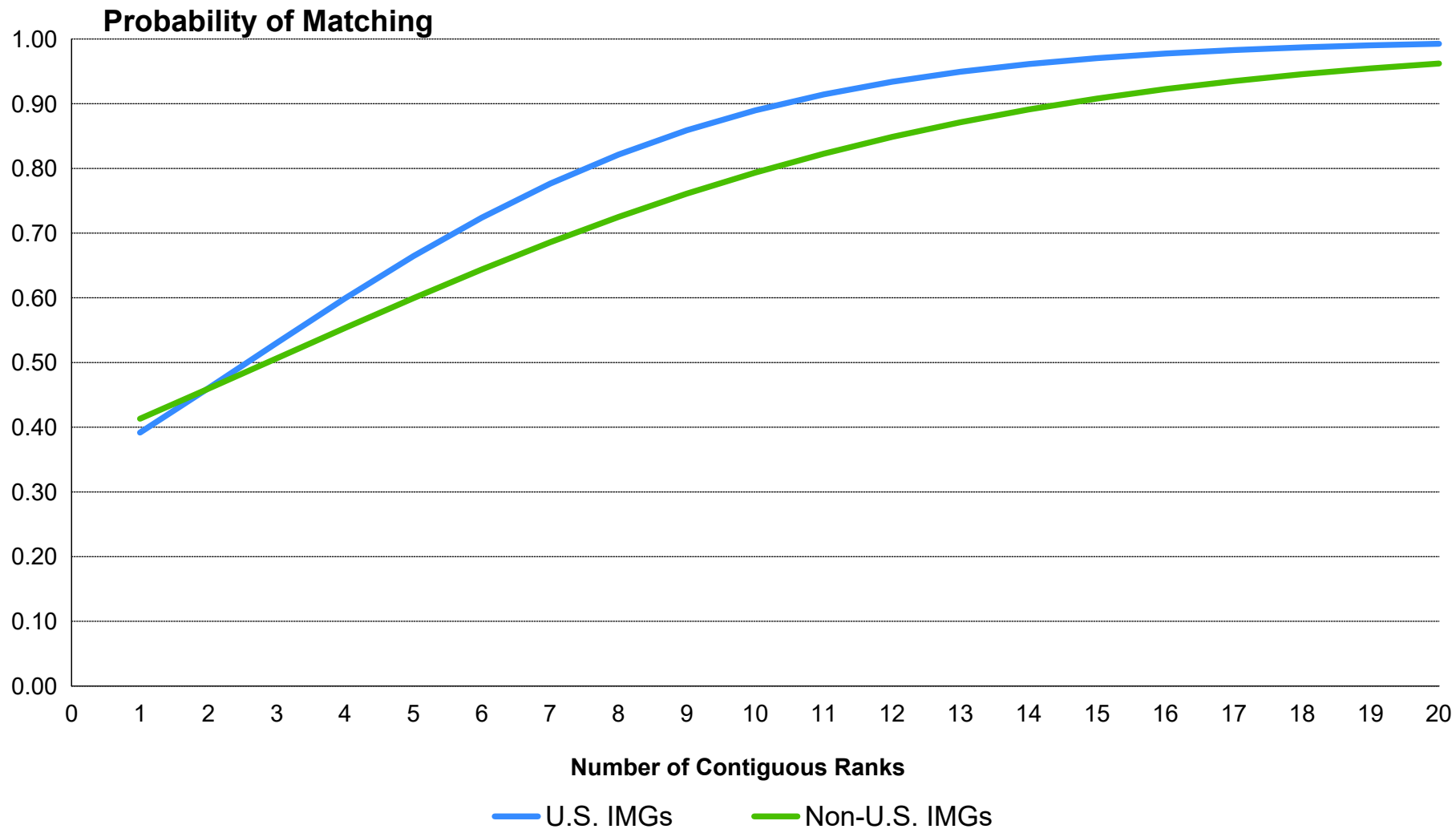
**Non-U.S. IMGs**



Source: NRMP Data Warehouse

**Graph  
FM-1**

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

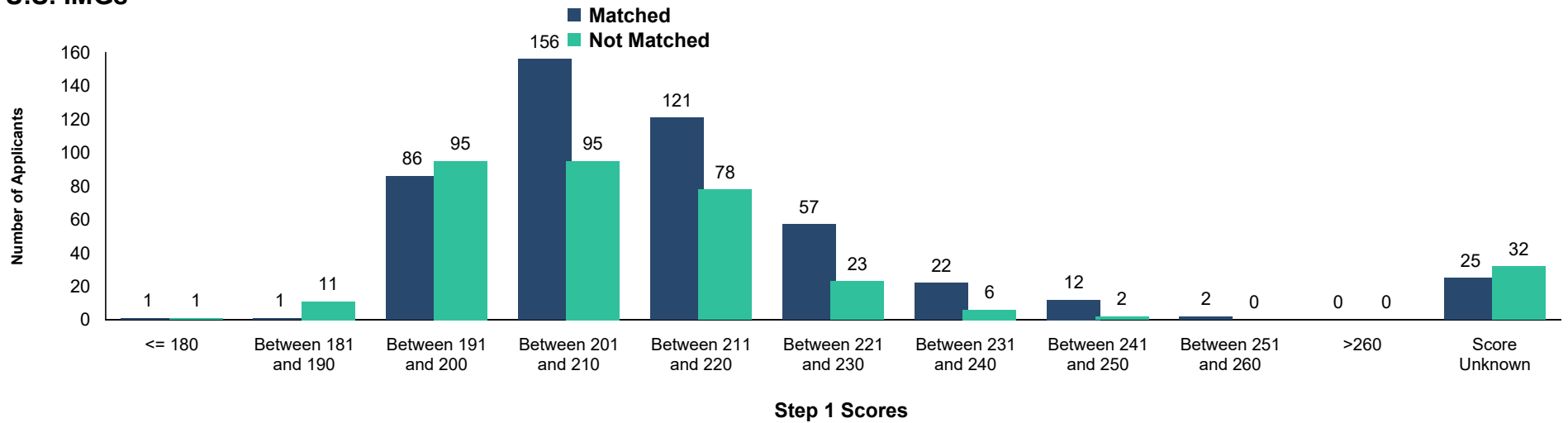


Source: NRMP Data Warehouse. Note: Probabilities calculated based on 2020-2022 applicants

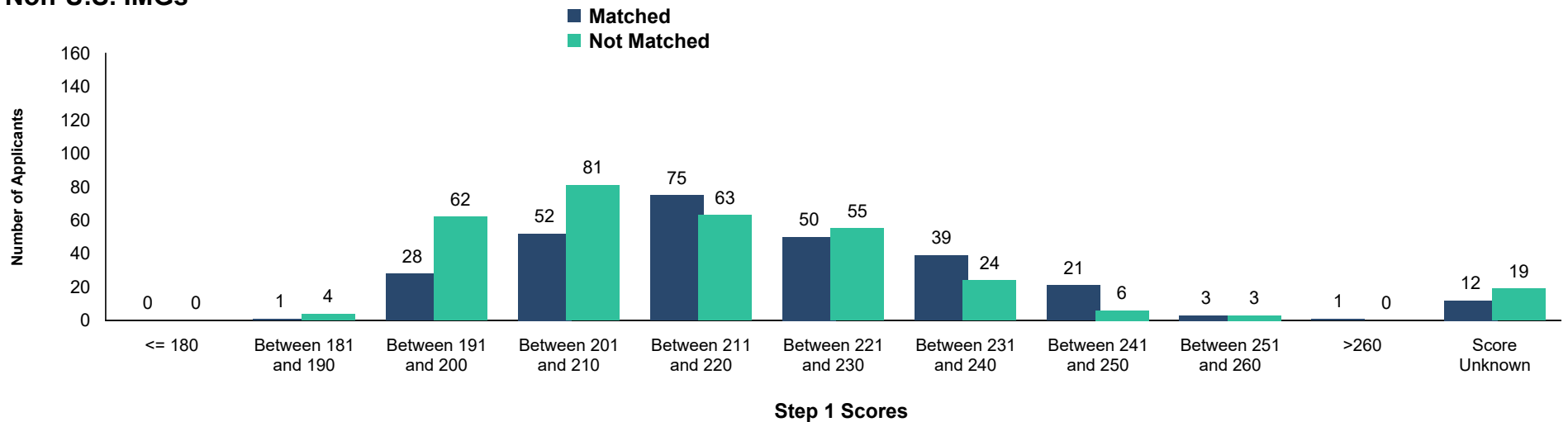
**Chart  
FM-3**

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

**U.S. IMGs**



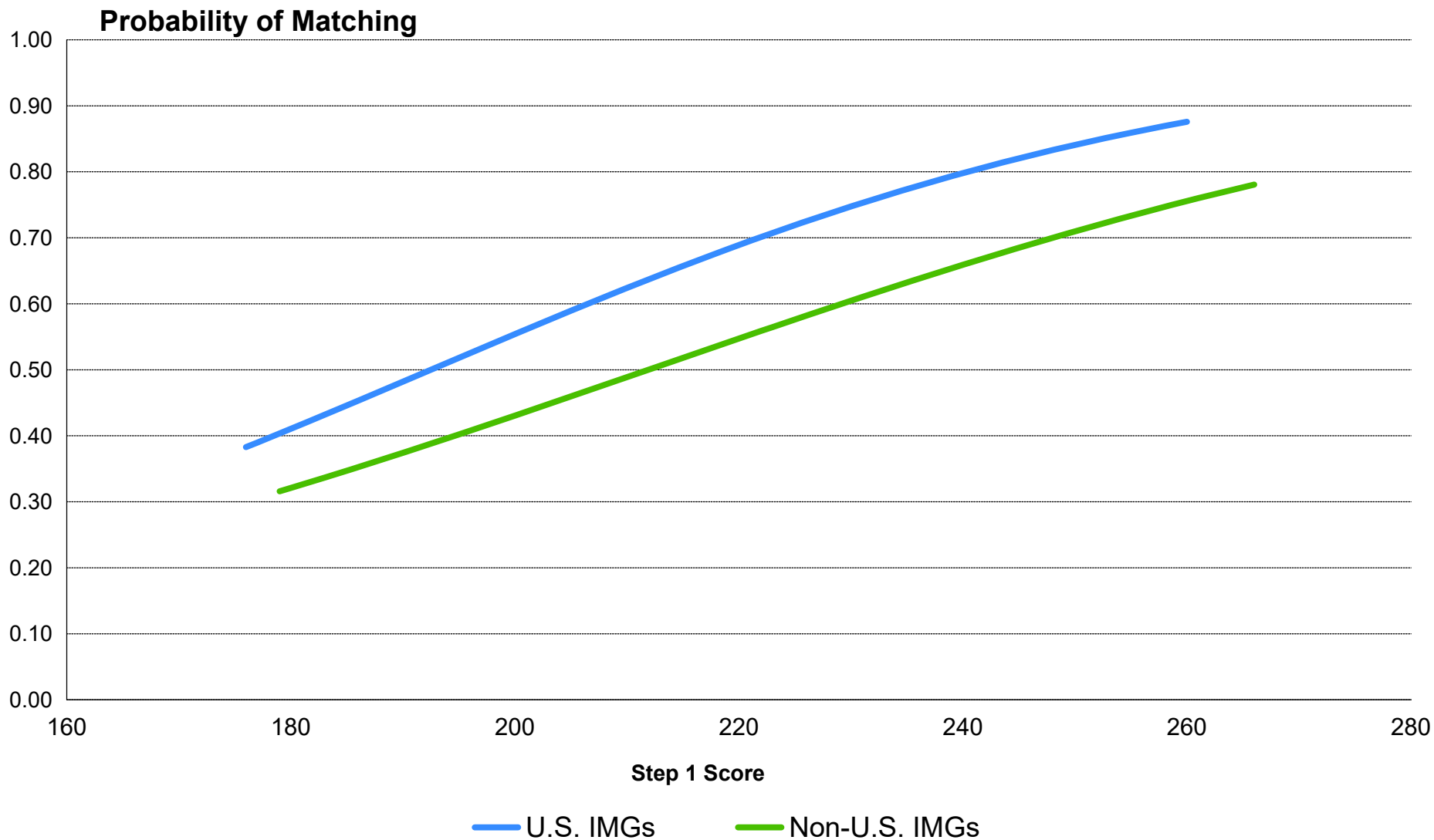
**Non-U.S. IMGs**



Source: NRMP Data Warehouse

**Graph  
FM-2**

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

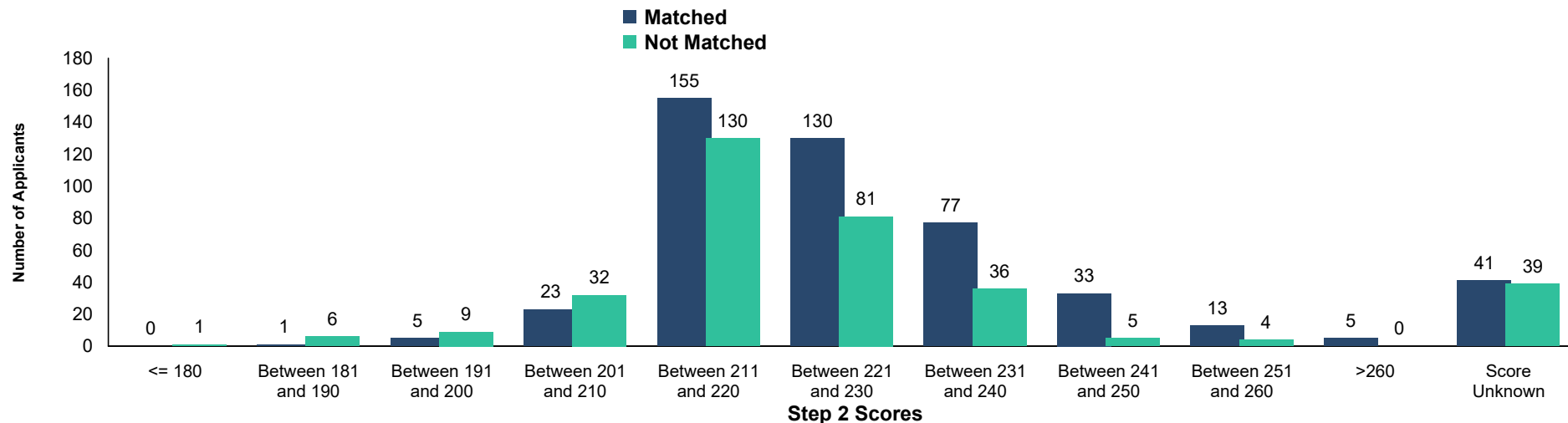


Source: NRMP Data Warehouse. Note: Probabilities calculated based on 2020-2022 applicants.

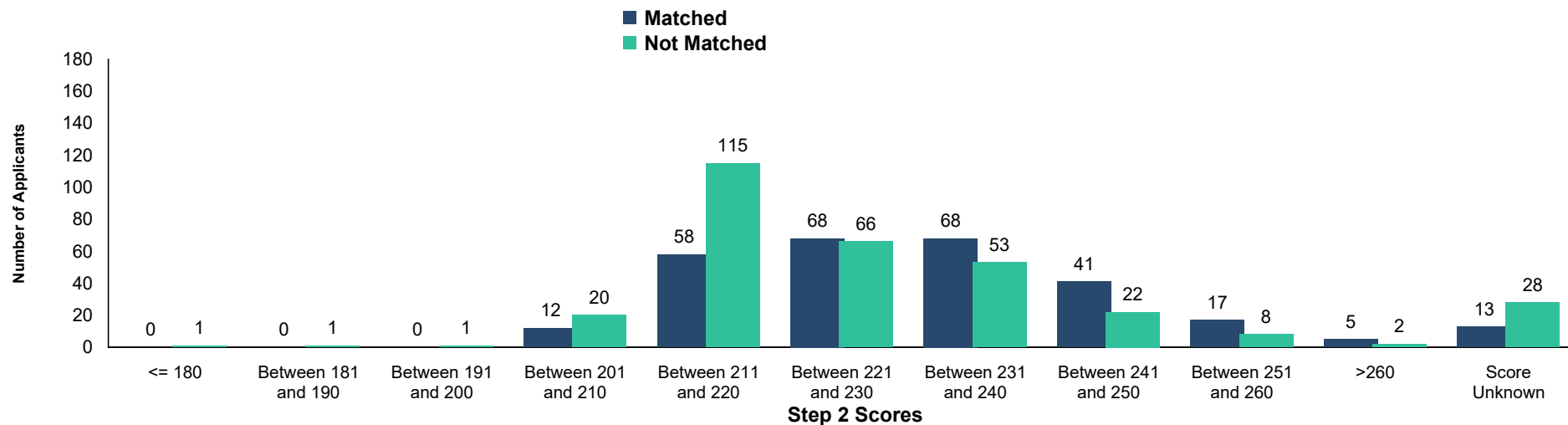
**Chart  
FM-4**

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

**U.S. IMGs**



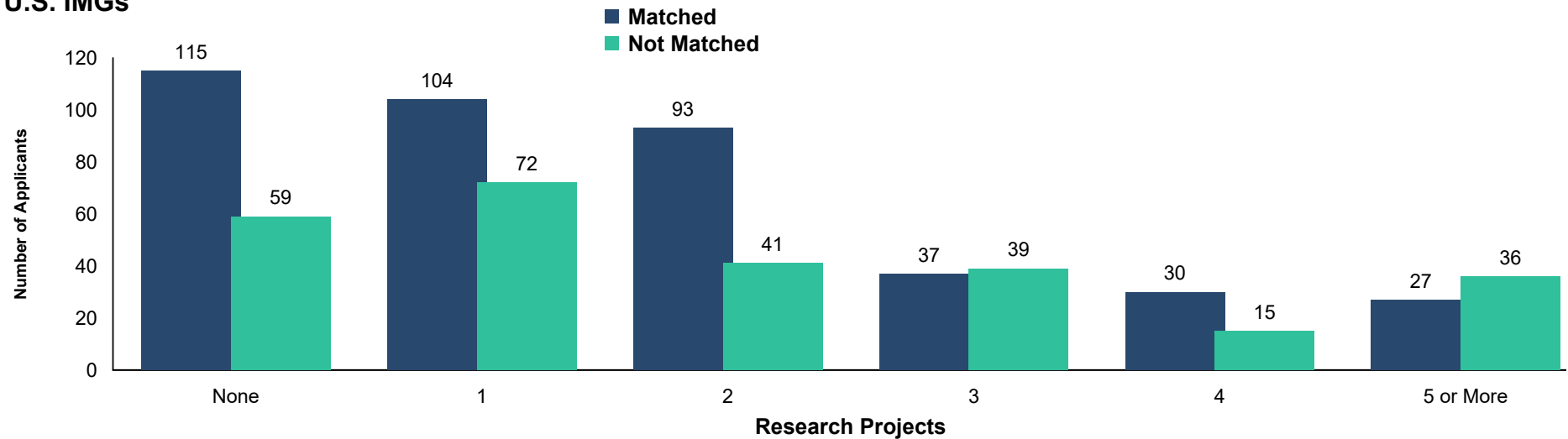
**Non-U.S. IMGs**



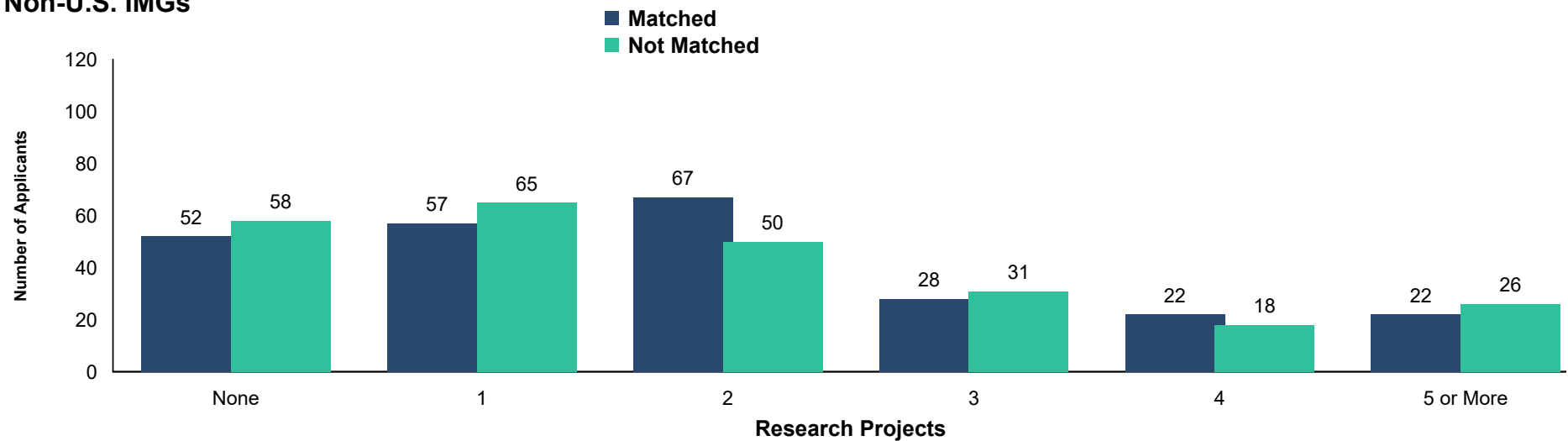
Source: NRMP Data Warehouse

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

### U.S. IMGs



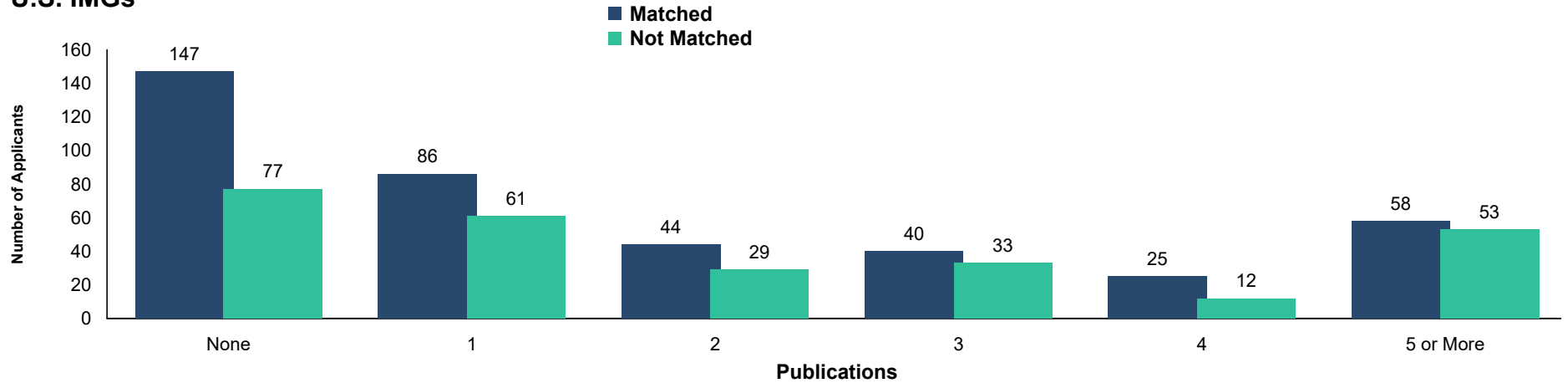
### Non-U.S. IMGs



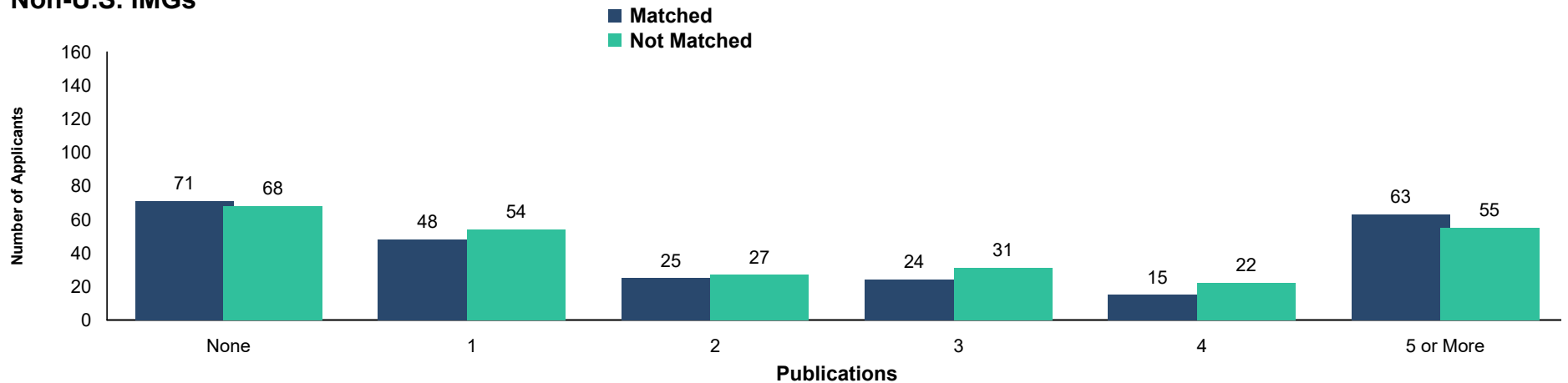
Source: NRMP Data Warehouse

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

**U.S. IMGs**



**Non-U.S. IMGs**



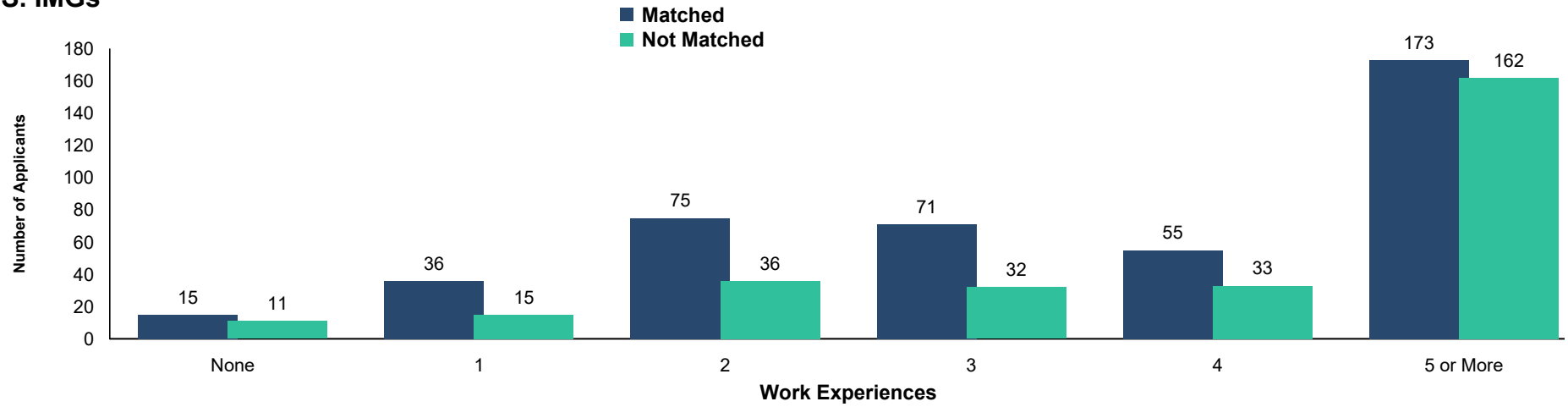
Source: NRMP Data Warehouse



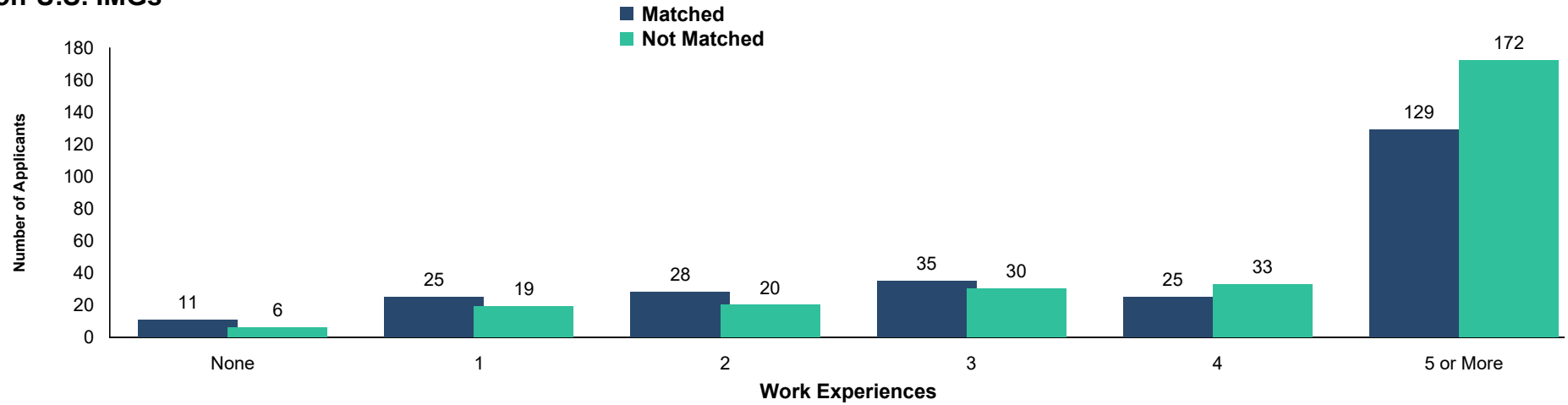
**Chart  
FM-7**

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

**U.S. IMGs**



**Non-U.S. IMGs**

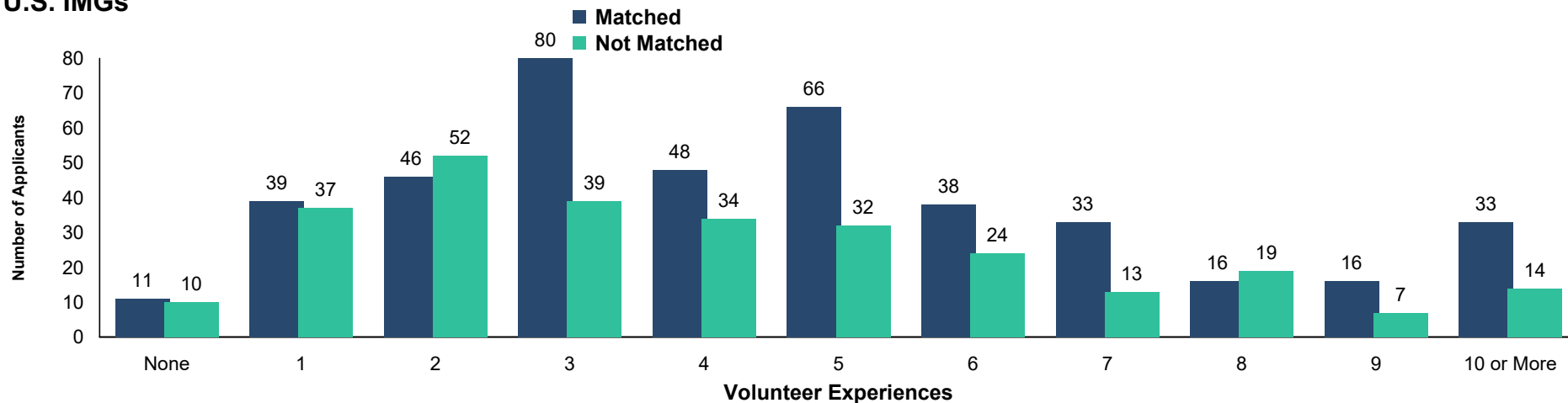


Source: NRMP Data Warehouse

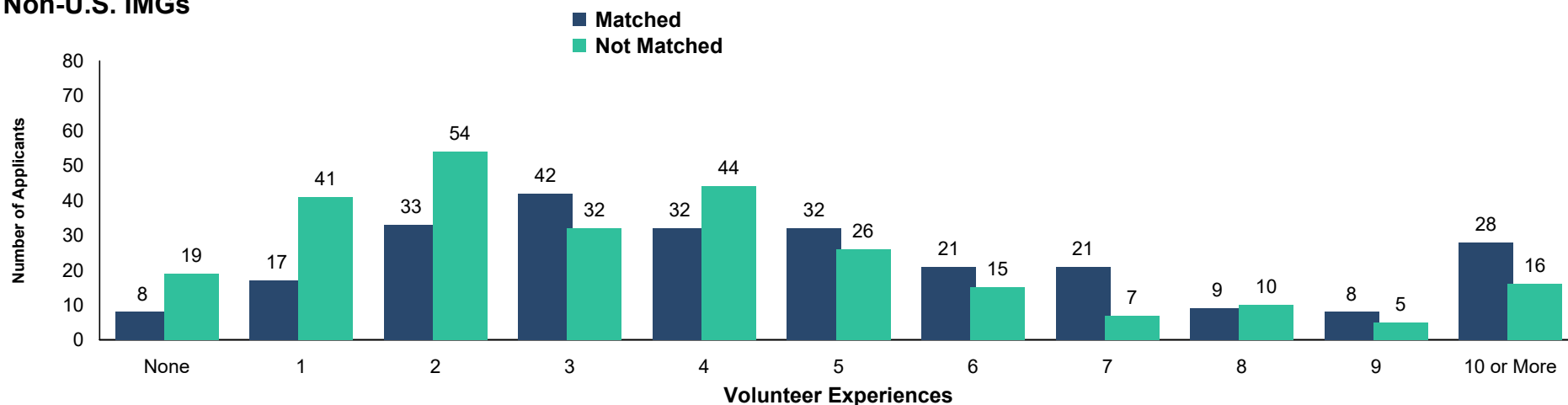
**Chart  
FM-8**

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

**U.S. IMGs**



**Non-U.S. IMGs**



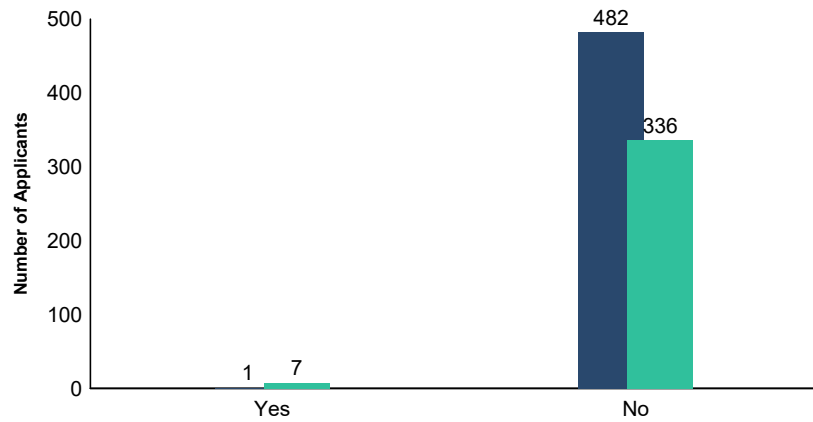
Source: NRMP Data Warehouse

**Chart  
FM-9**

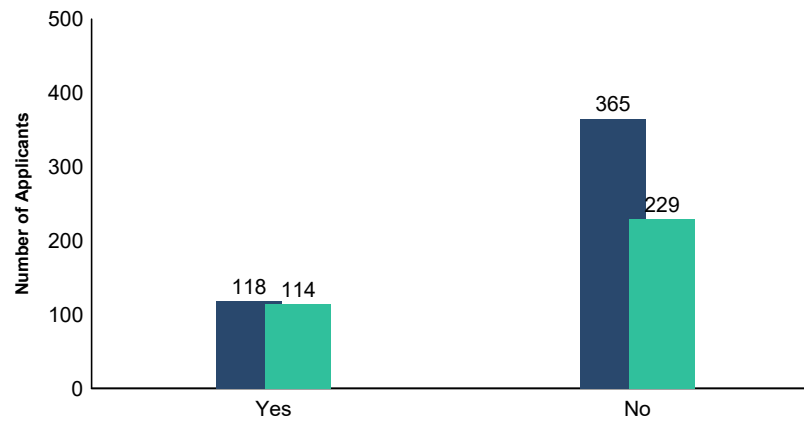
**Other Characteristics of International Medical Graduates  
Family Medicine**

**U.S. IMGs**

**Ph.D. Degree**

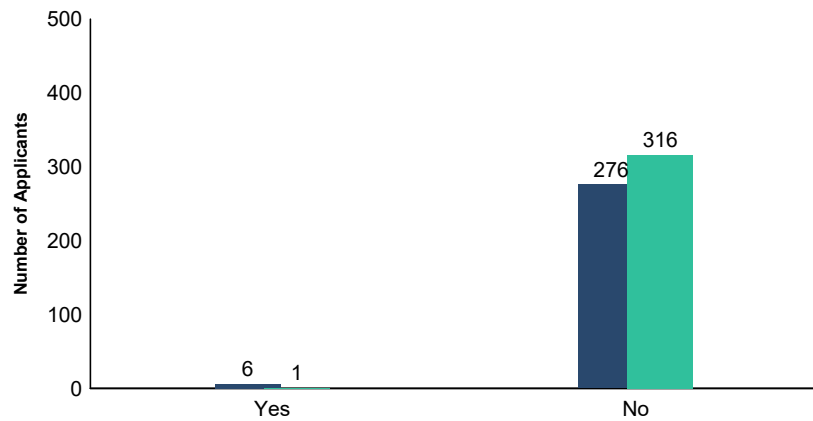


**Other Graduate Degree**

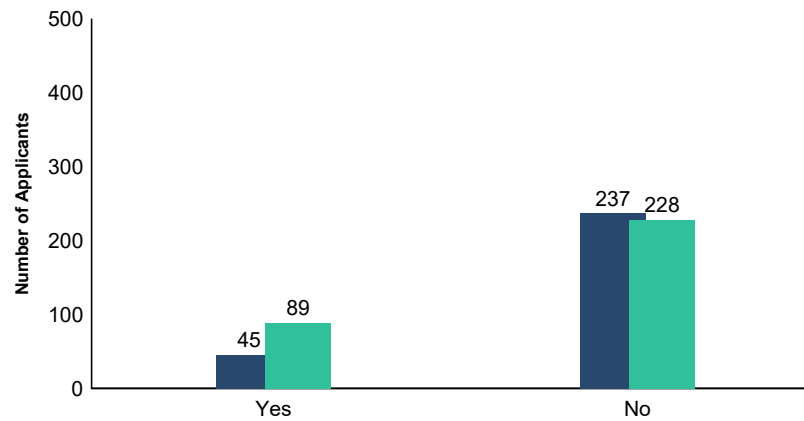


**Non-U.S. IMGs**

**Ph.D. Degree**



**Other Graduate Degree**



Source: NRMP Data Warehouse

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**GS** General Surgery

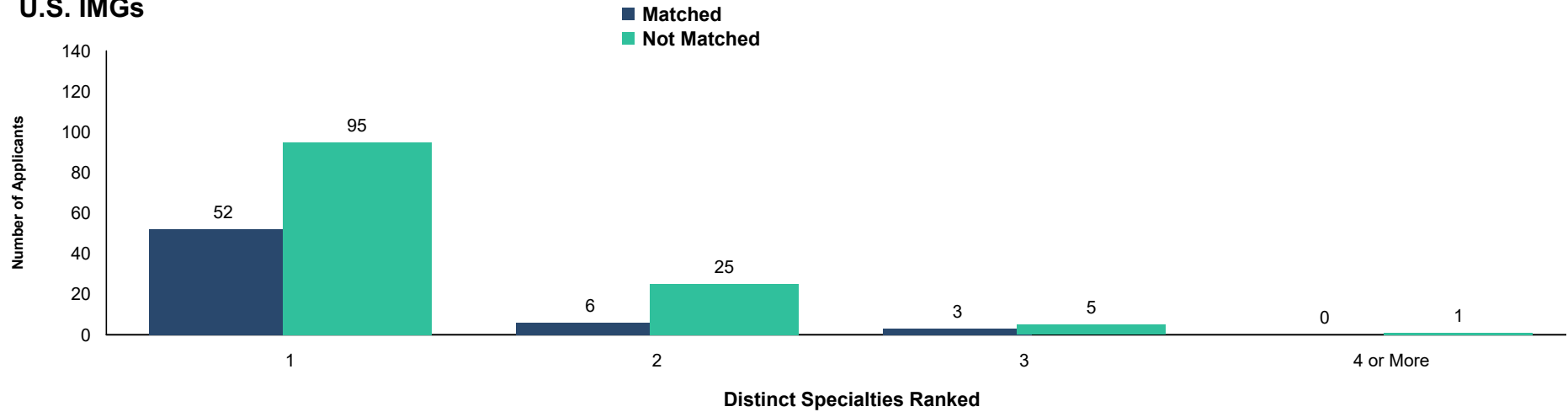
**Table** **Summary Statistics**  
**GS-1** **General Surgery**

Measure	U.S. IMGs		Non-U.S. IMGs	
	Matched (n=62)	Unmatched (n=126)	Matched (n=65)	Unmatched (n=160)
1. Mean number of contiguous ranks	6.4	2.9	3.7	2.5
2. Mean number of distinct specialties ranked	1.3	1.3	1.1	1.2
3. Mean USMLE Step 1 score	236	225	238	237
4. Mean USMLE Step 2 score	246	234	247	244
5. Mean number of research experiences	3.2	2.9	4.1	3.6
6. Mean number of abstracts, presentations, and publications	5.6	6.6	18.5	12.8
7. Mean number of work experiences	4.4	4.2	6.5	5.7
8. Mean number of volunteer experiences	5.6	4.9	5.3	4.3
9. Percentage who have a Ph.D. degree	0.0	1.8	3.2	2.7
10. Percentage who have another graduate degree	25.4	21.6	31.7	24.7

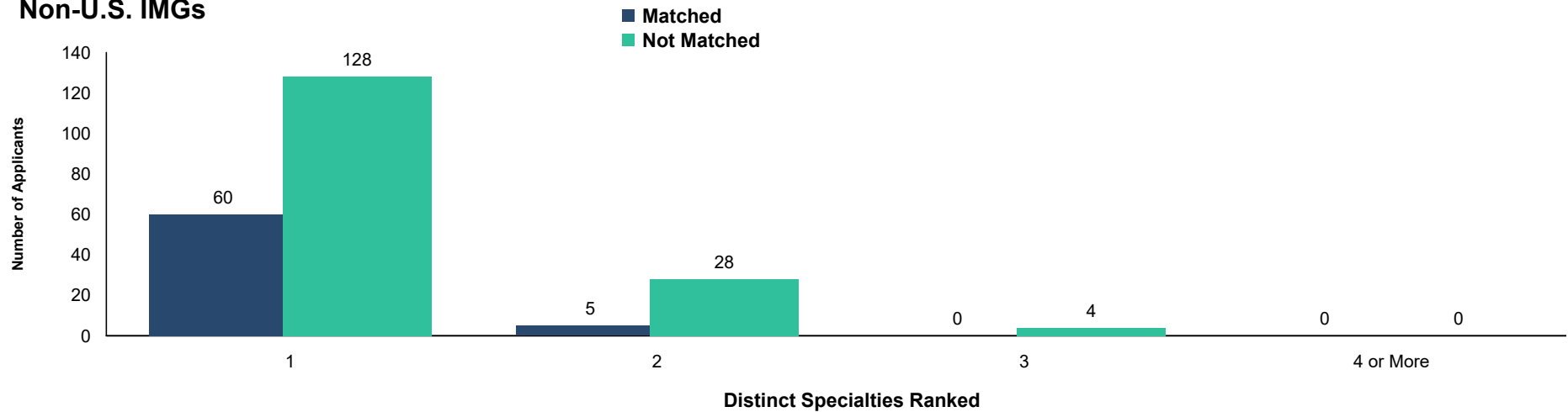
Note: Only applicants who gave consent to use their information in research are included.  
Source. NRMP Data Warehouse

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

## U.S. IMGs



## Non-U.S. IMGs

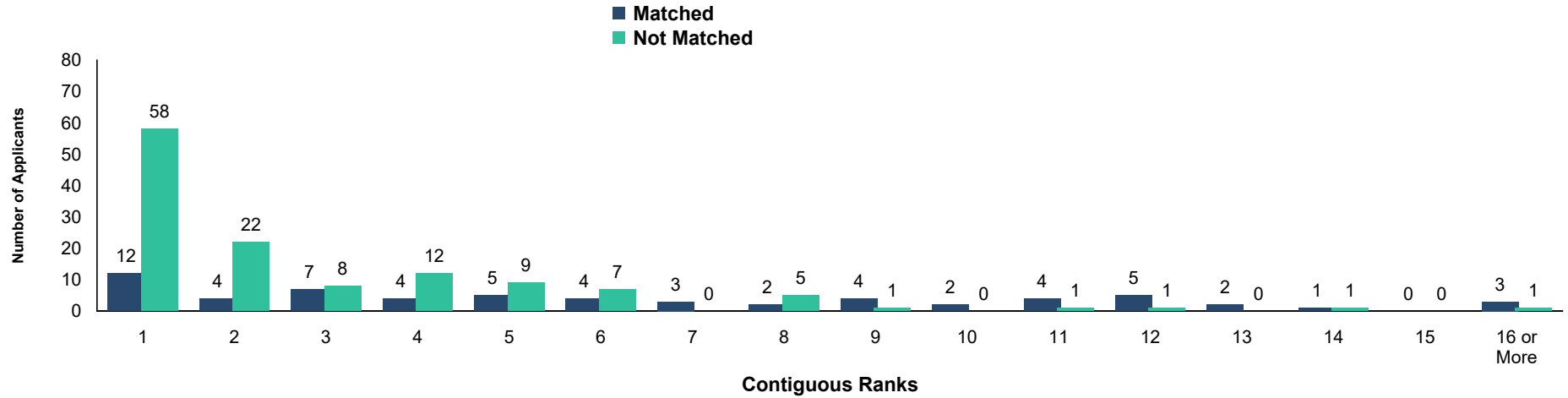


Source: NRMP Data Warehouse

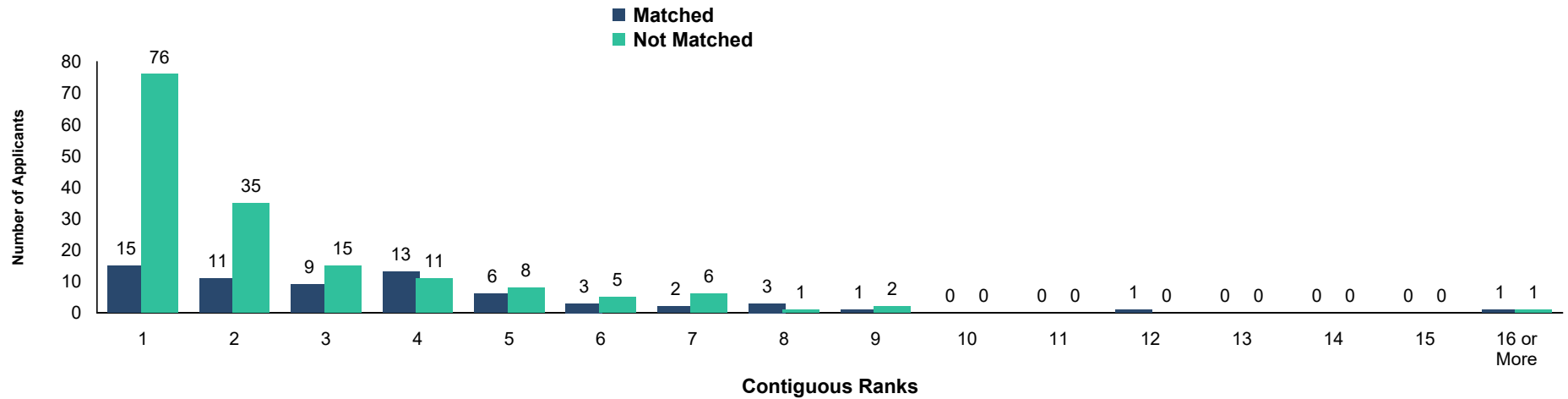
**Chart  
GS-2**

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

**U.S. IMGs**



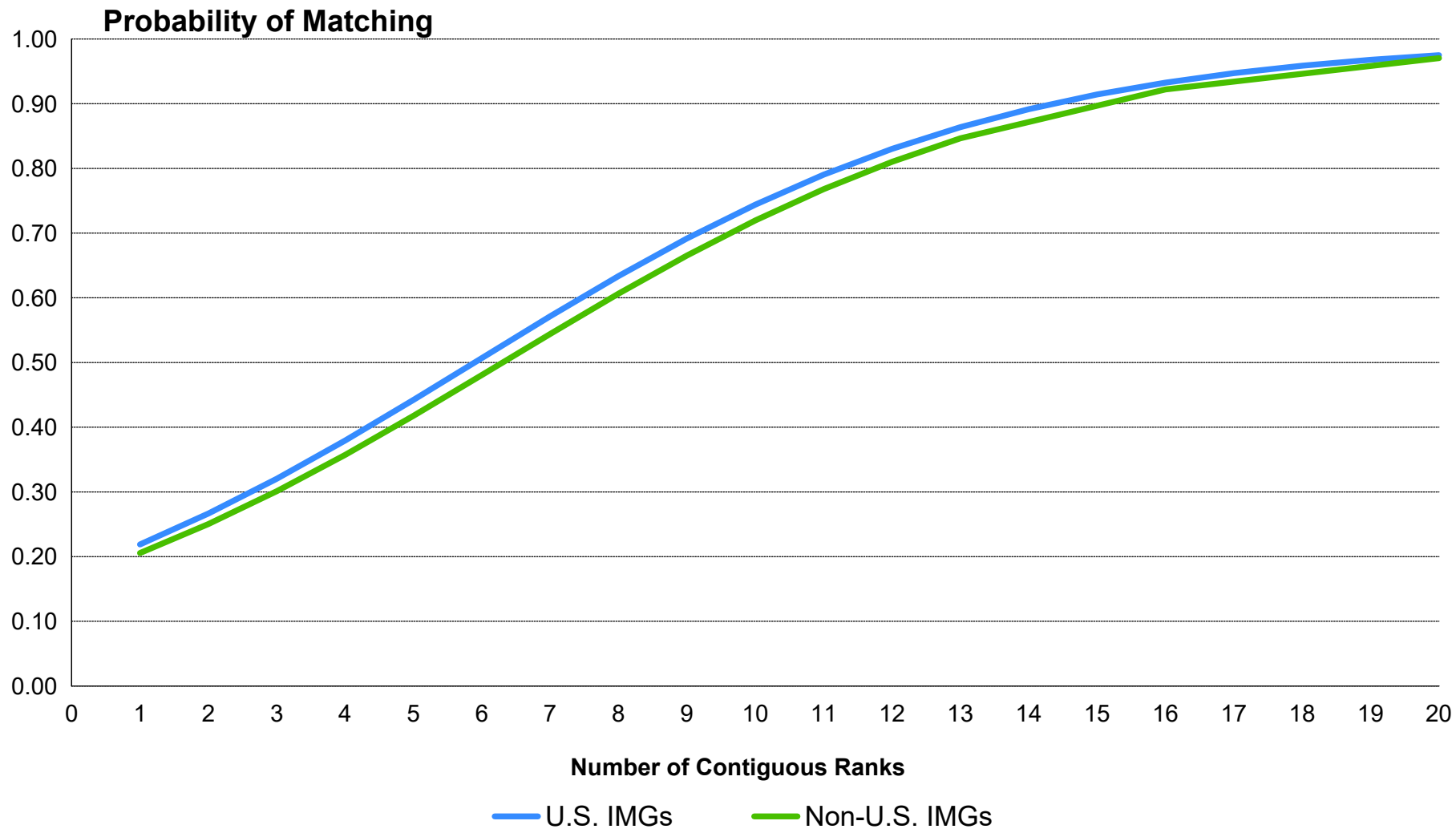
**Non-U.S. IMGs**



Source: NRMP Data Warehouse

**Graph  
GS-1**

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



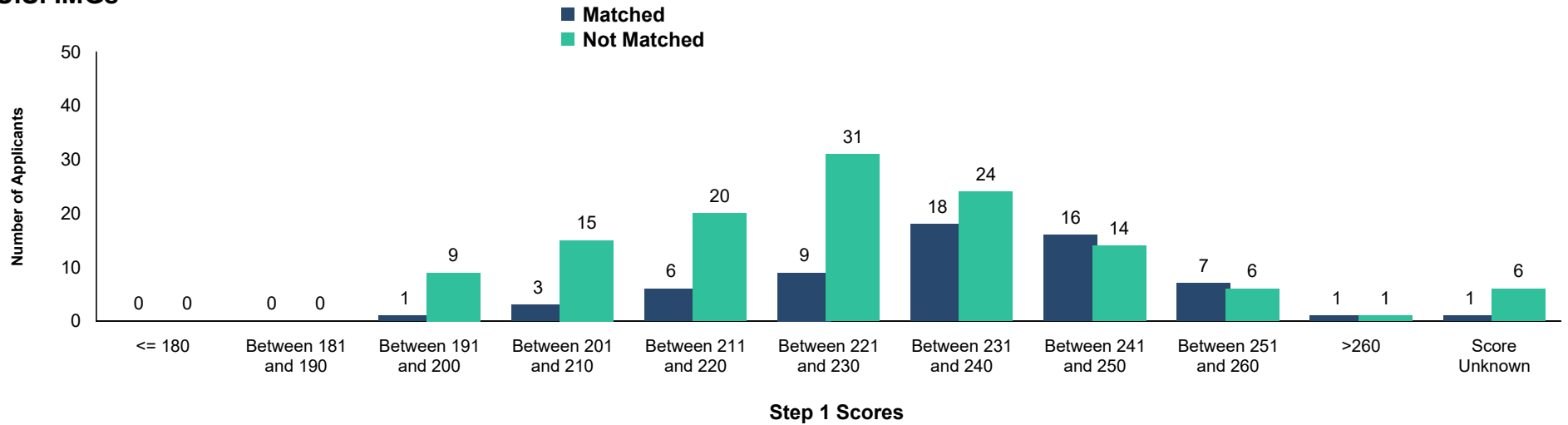
Source: NRMP Data Warehouse. Note: Probabilities calculated based on 2020-2022 applicants



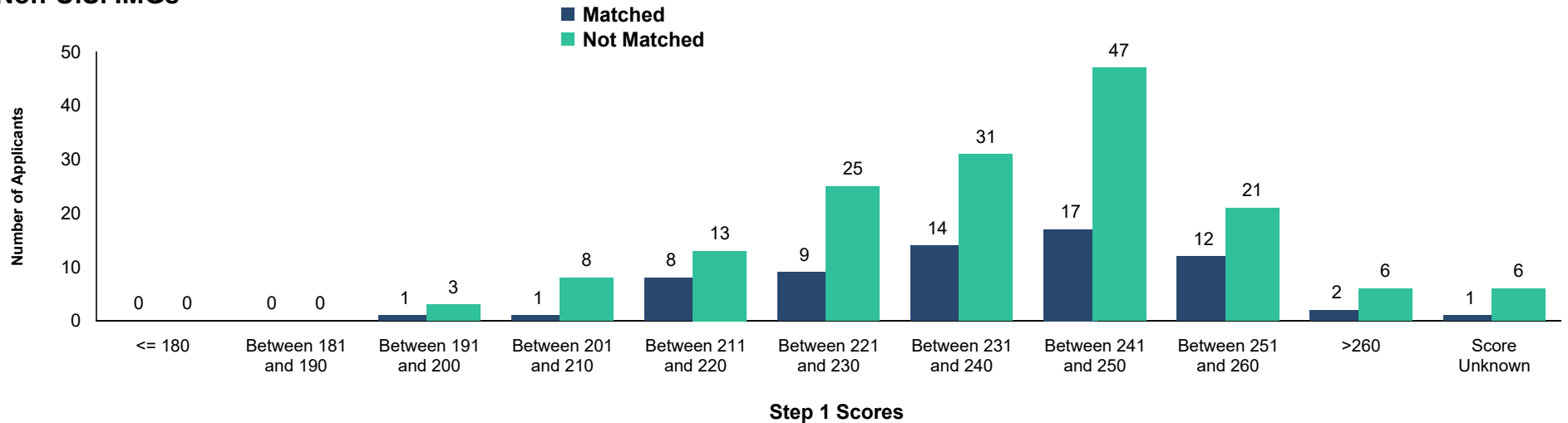
**Chart  
GS-3**

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

**U.S. IMGs**



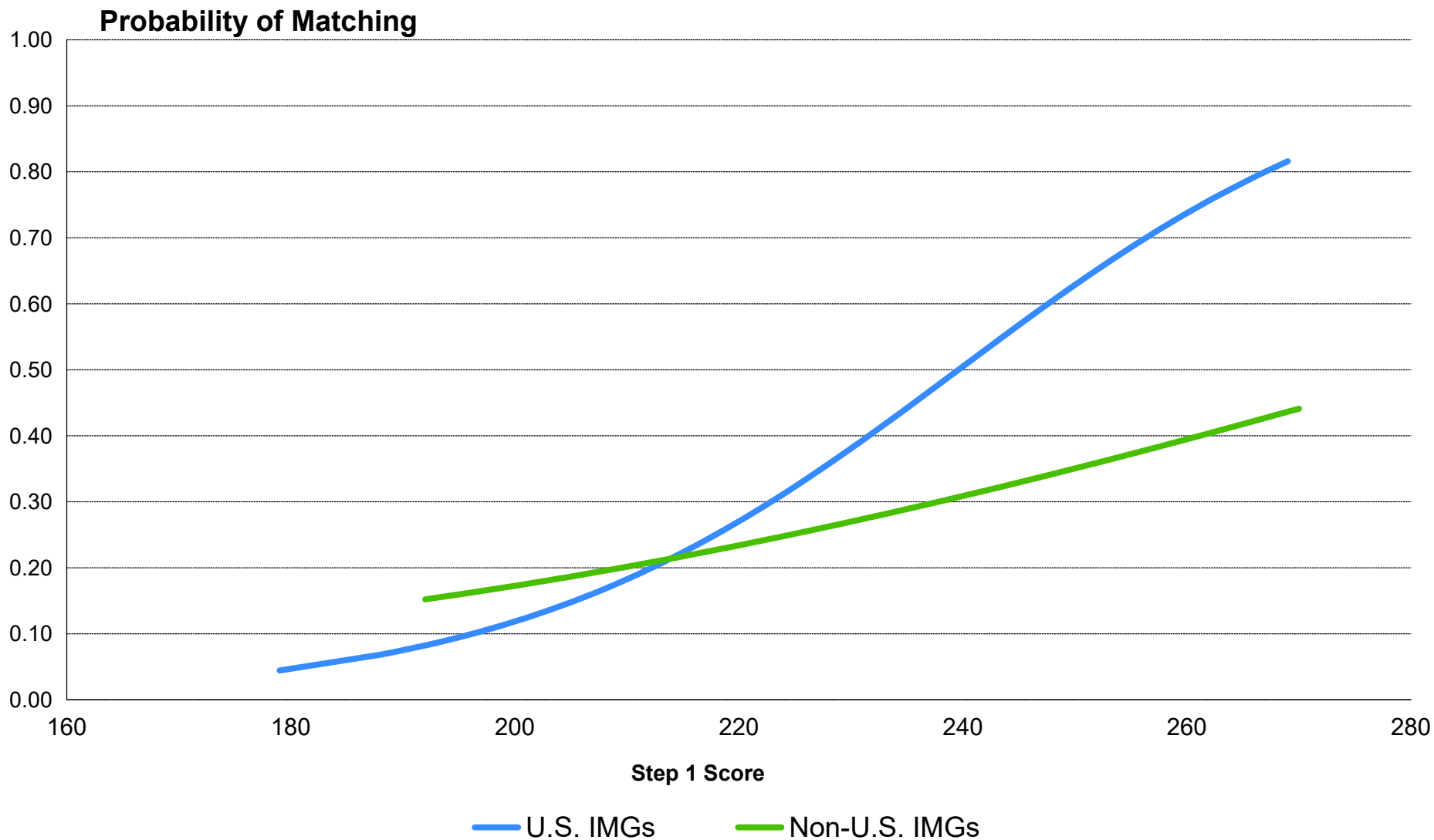
**Non-U.S. IMGs**



Source: NRMP Data Warehouse

**Graph  
GS-2**

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

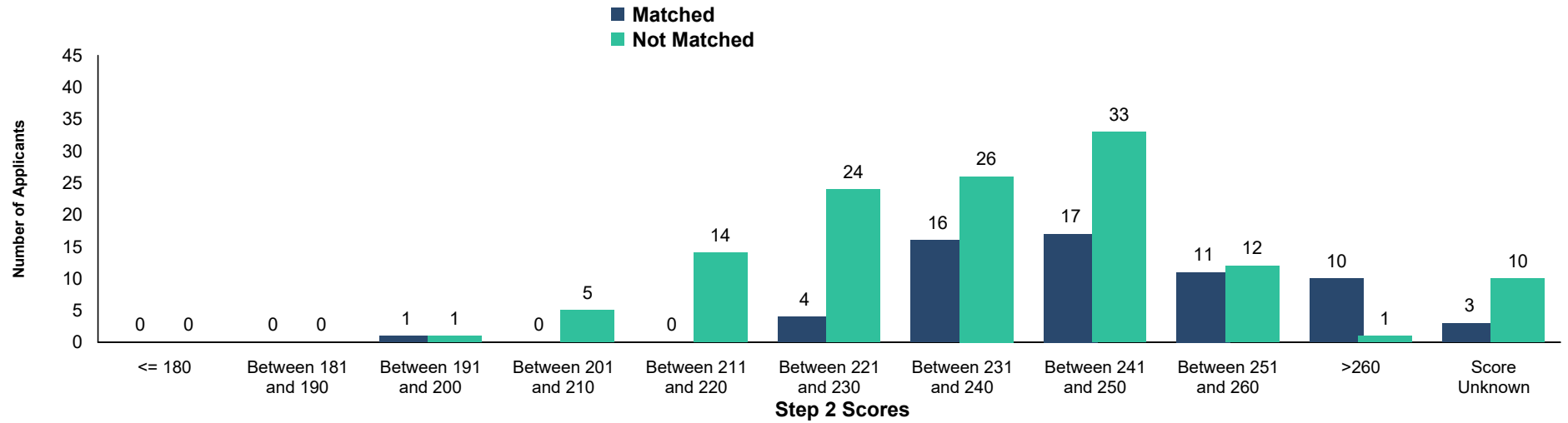


Source: NRMP Data Warehouse. Note: Probabilities calculated based on 2020-2022 applicants.

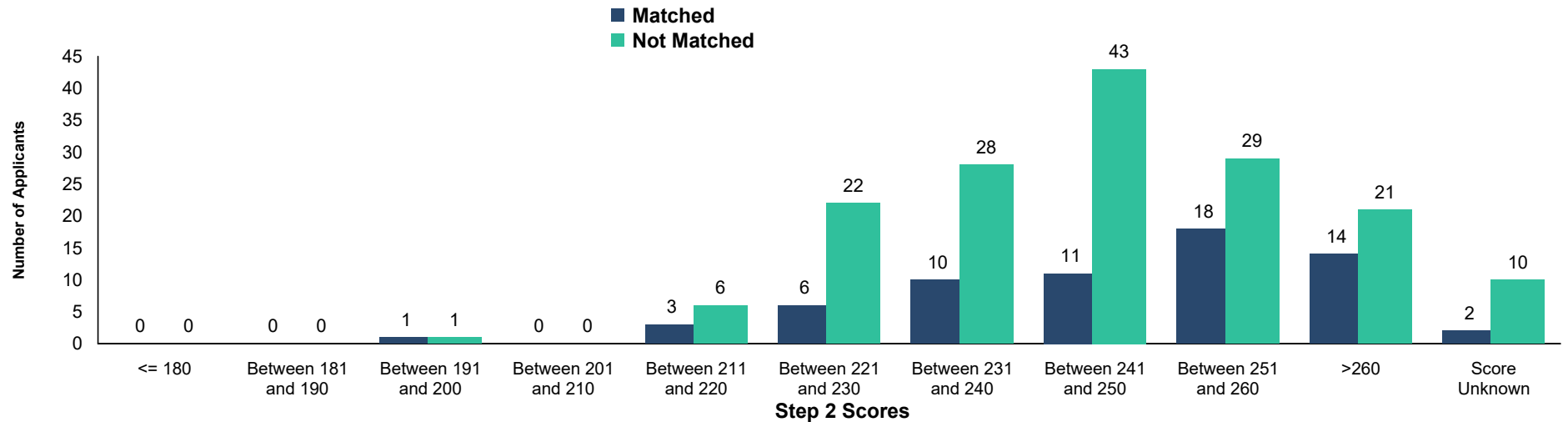
**Chart  
GS-4**

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

**U.S. IMGs**



**Non-U.S. IMGs**

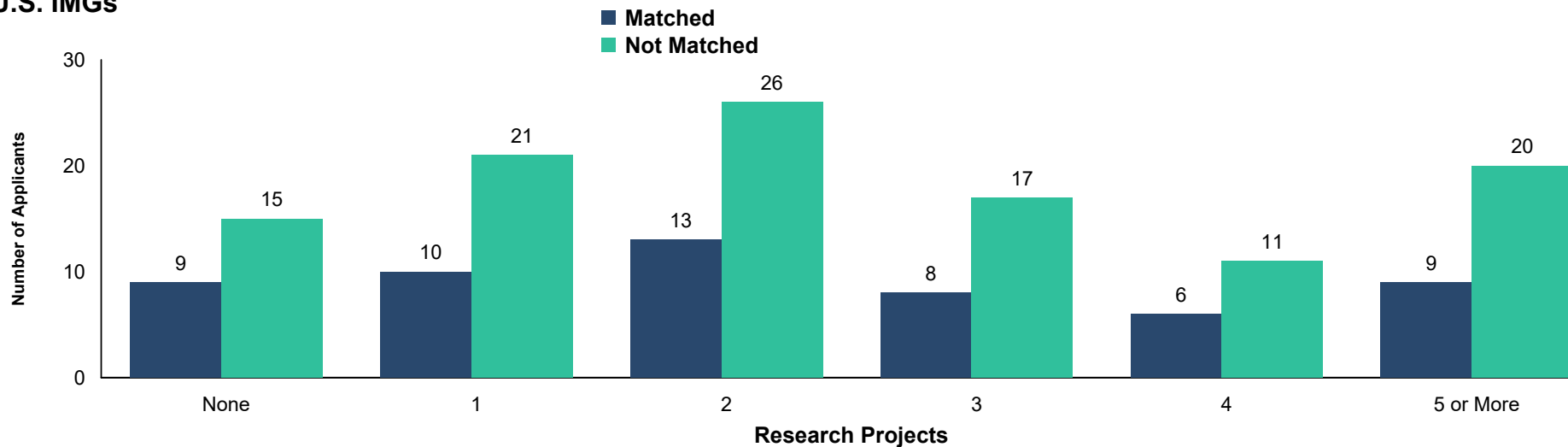


Source: NRMP Data Warehouse

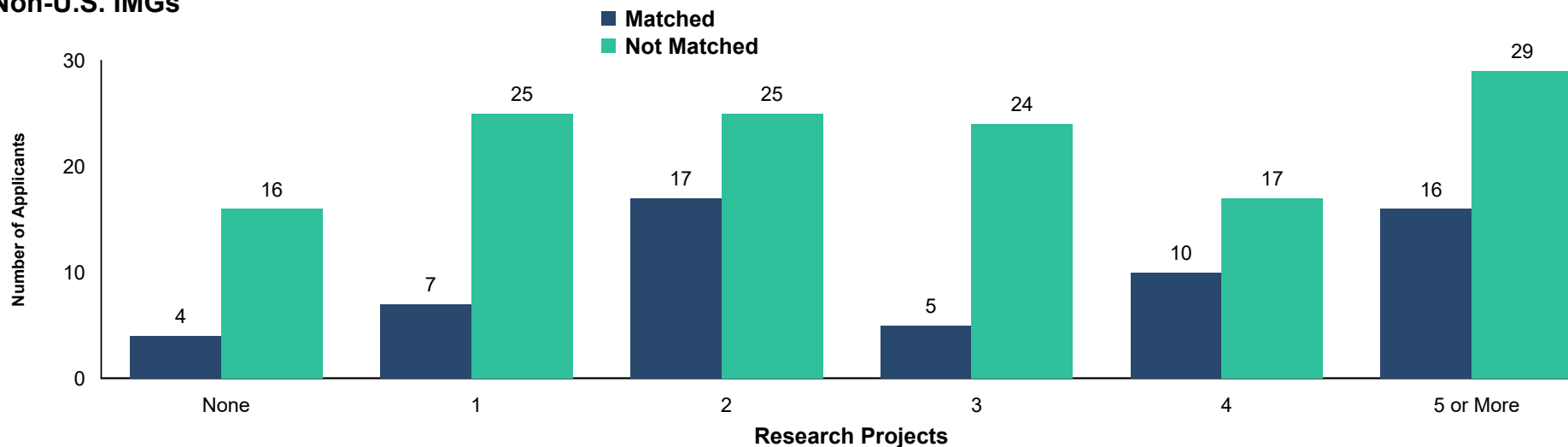
**Chart  
GS-5**

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

**U.S. IMGs**



**Non-U.S. IMGs**

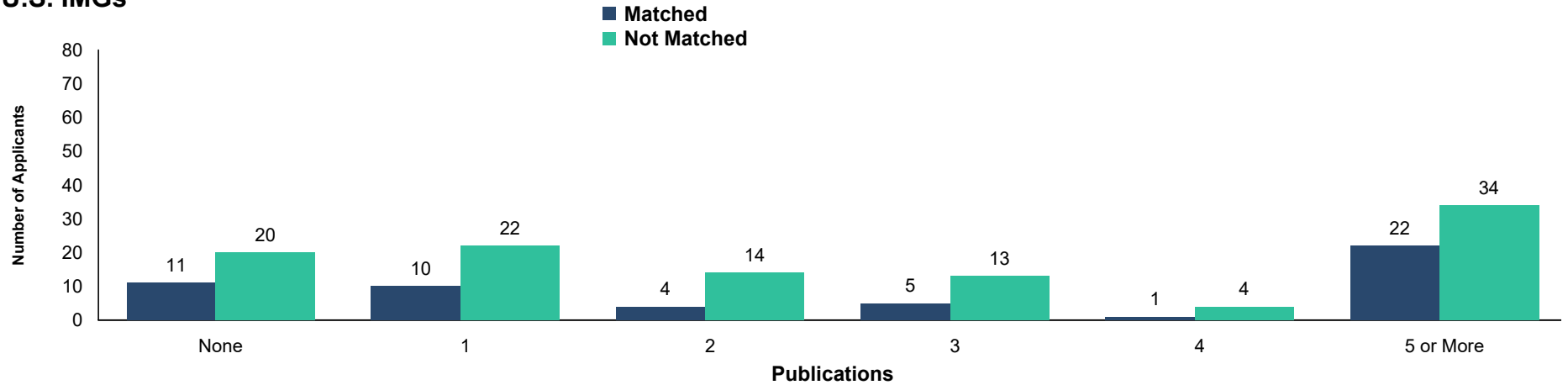


Source: NRMP Data Warehouse

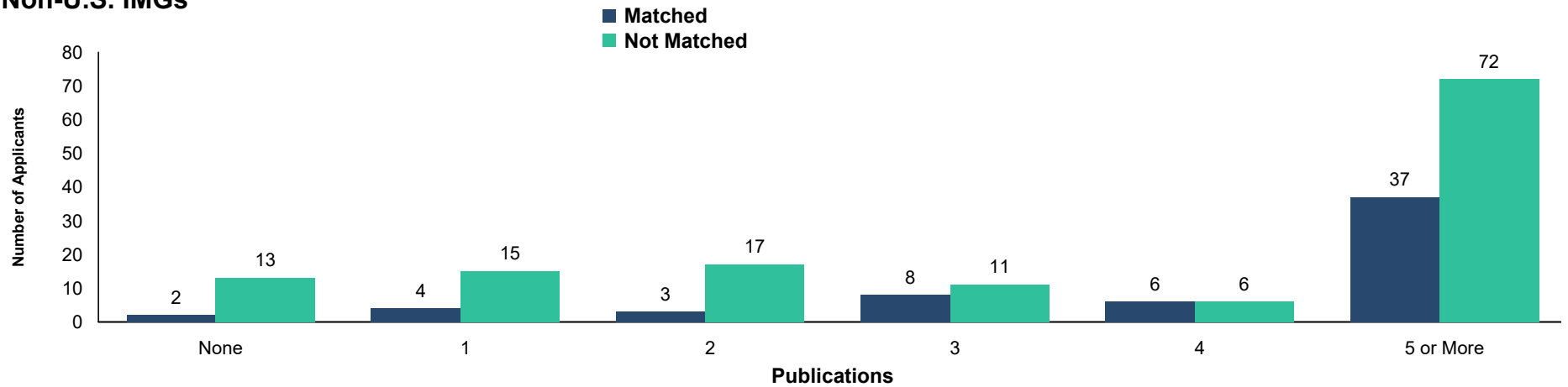
**Chart  
GS-6**

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

**U.S. IMGs**



**Non-U.S. IMGs**

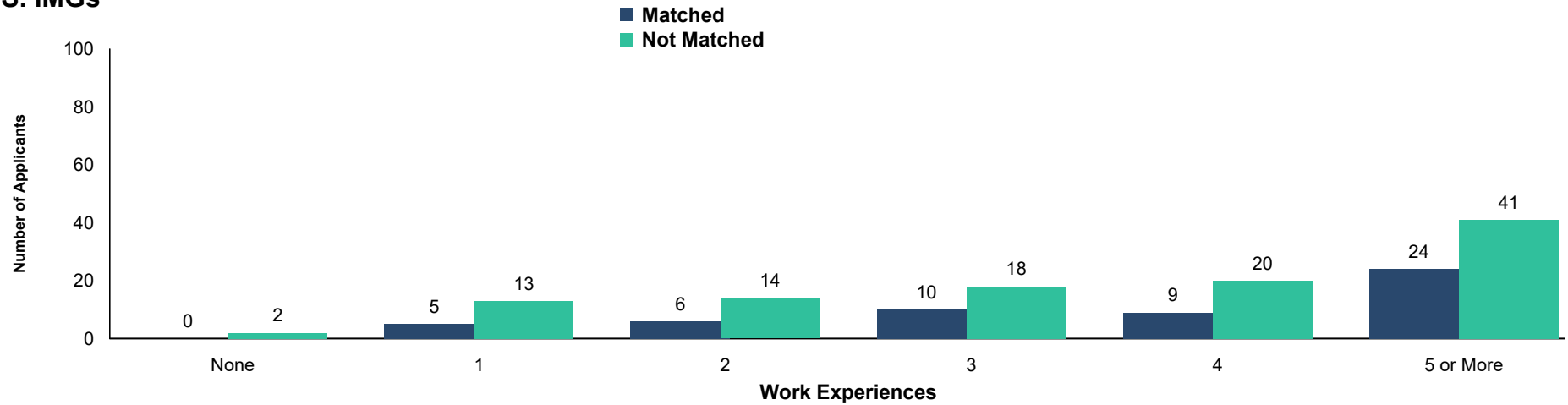


Source: NRMP Data Warehouse

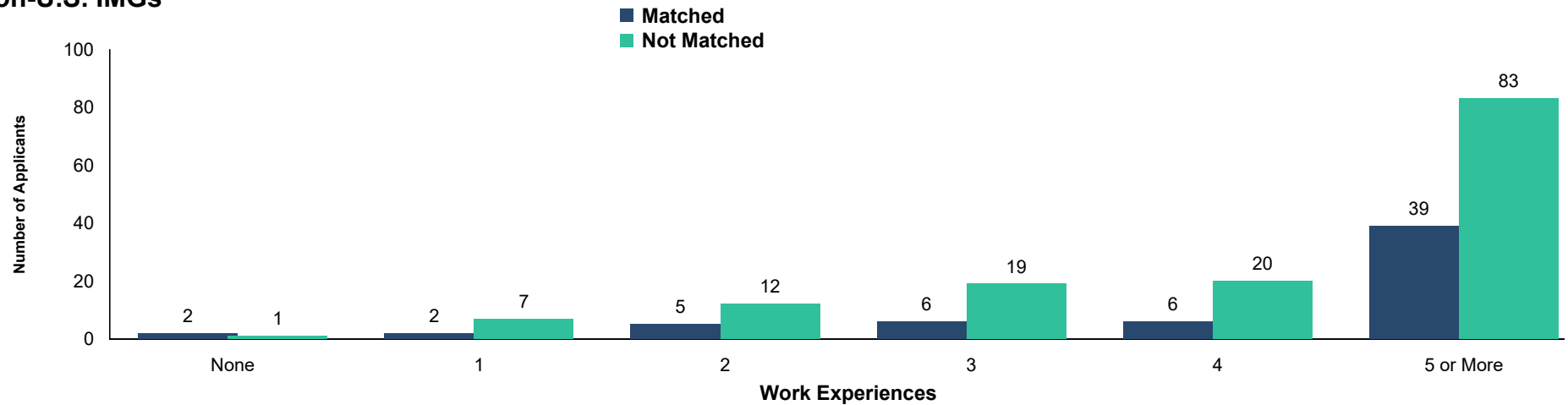
**Chart  
GS-7**

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

**U.S. IMGs**



**Non-U.S. IMGs**

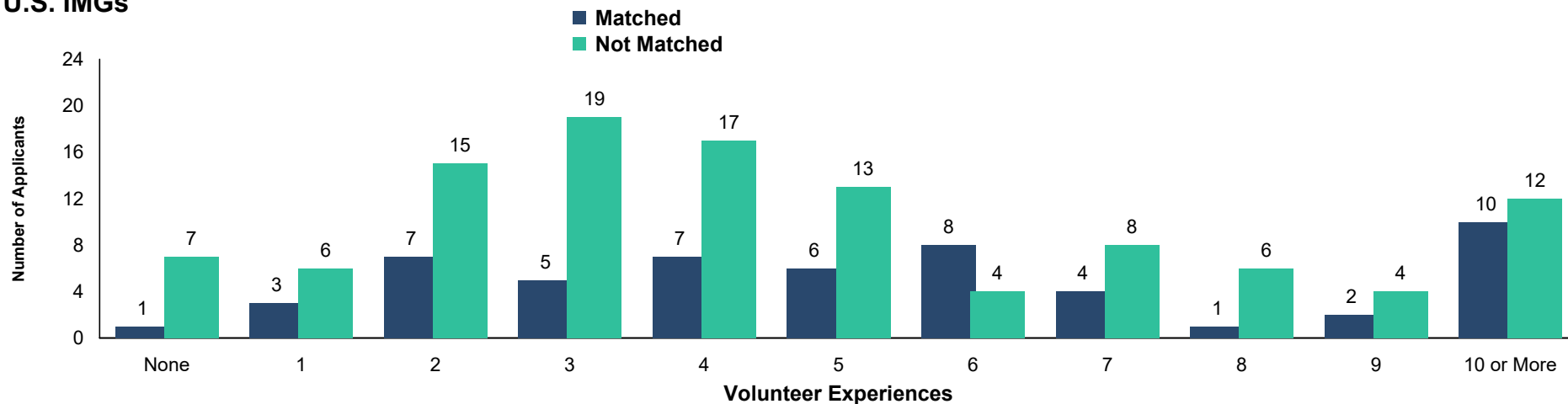


Source: NRMP Data Warehouse

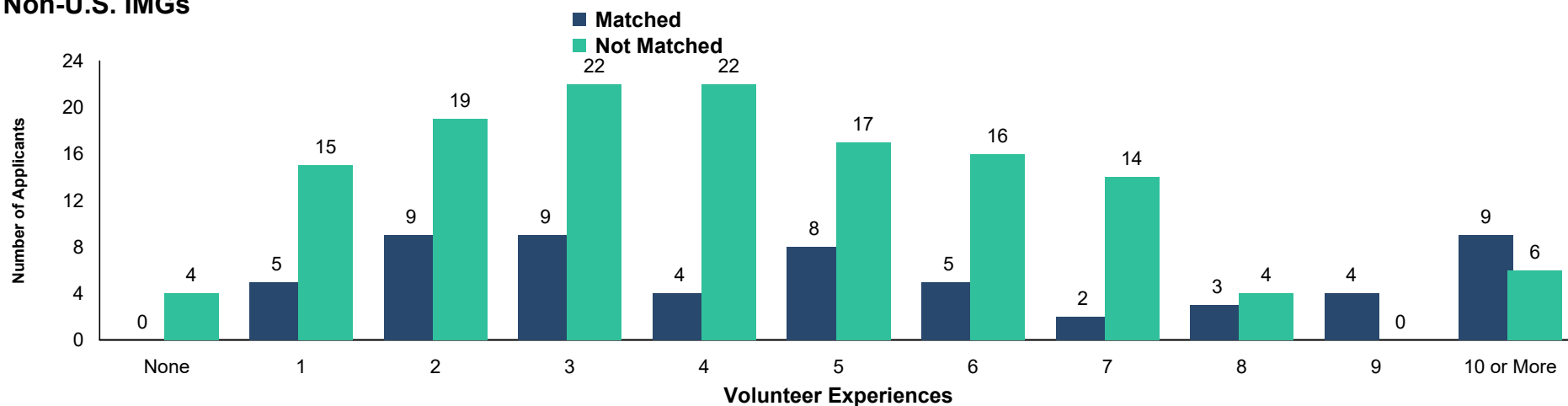
**Chart  
GS-8**

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

**U.S. IMGs**



**Non-U.S. IMGs**



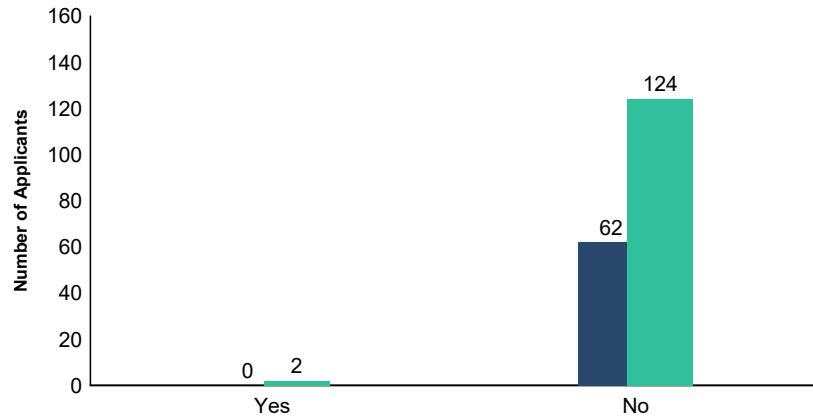
Source: NRMP Data Warehouse

**Chart  
GS-9**

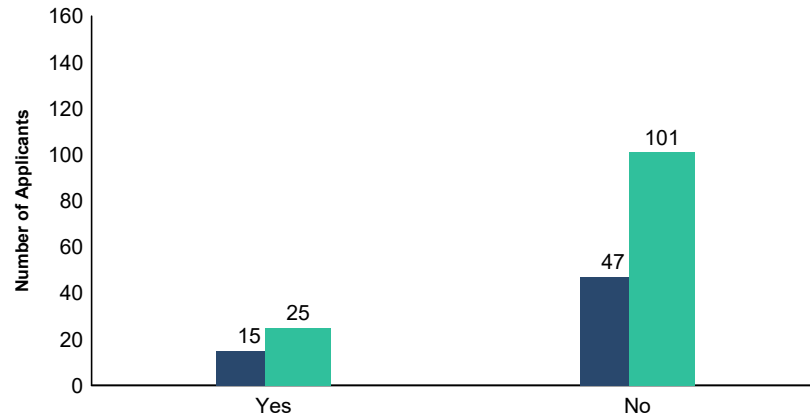
**Other Characteristics of International Medical Graduates  
General Surgery**

**U.S. IMGs**

**Ph.D. Degree**

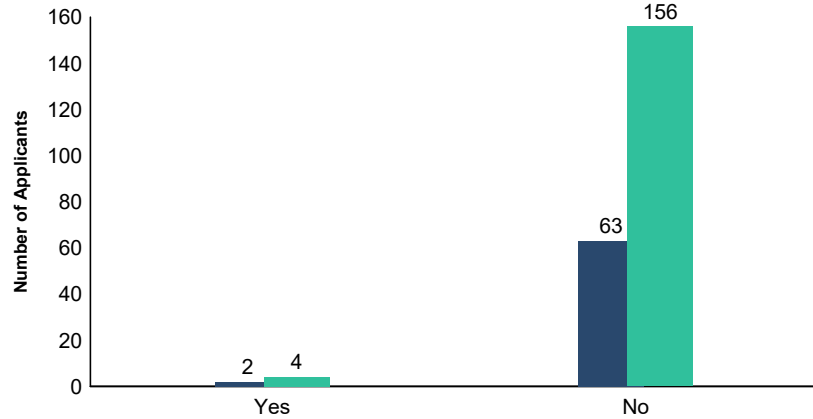


**Other Graduate Degree**

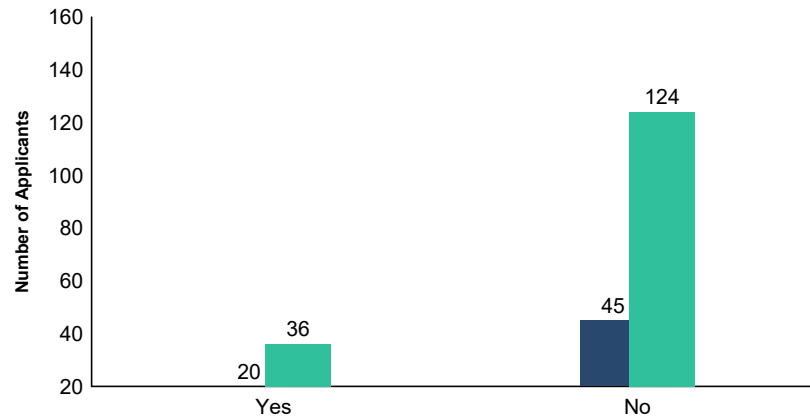


**Non-U.S. IMGs**

**Ph.D. Degree**



**Other Graduate Degree**



Source: NRMP Data Warehouse



**IM**

**Internal Medicine**

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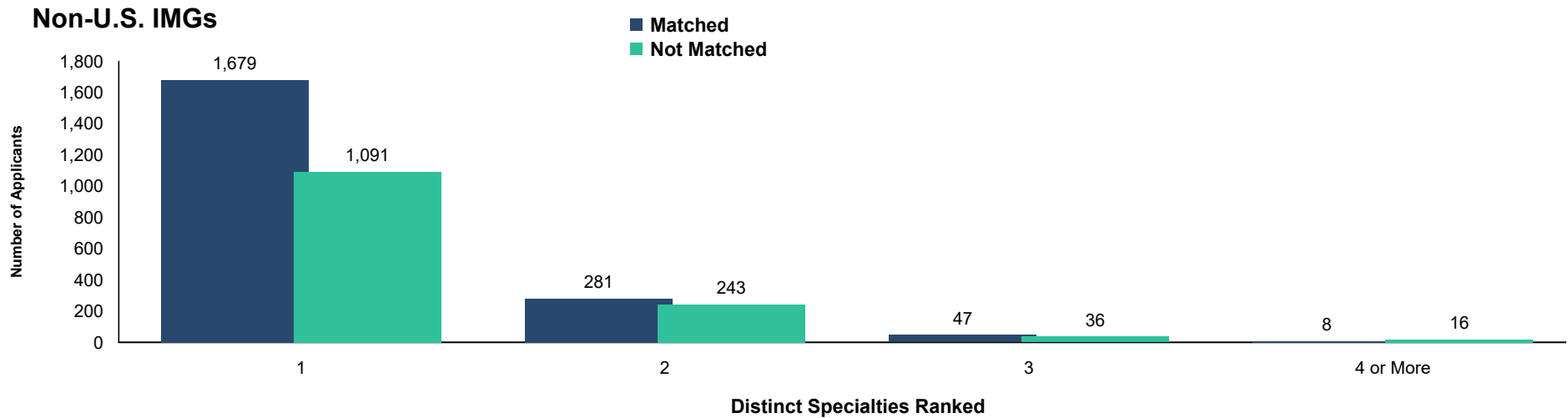
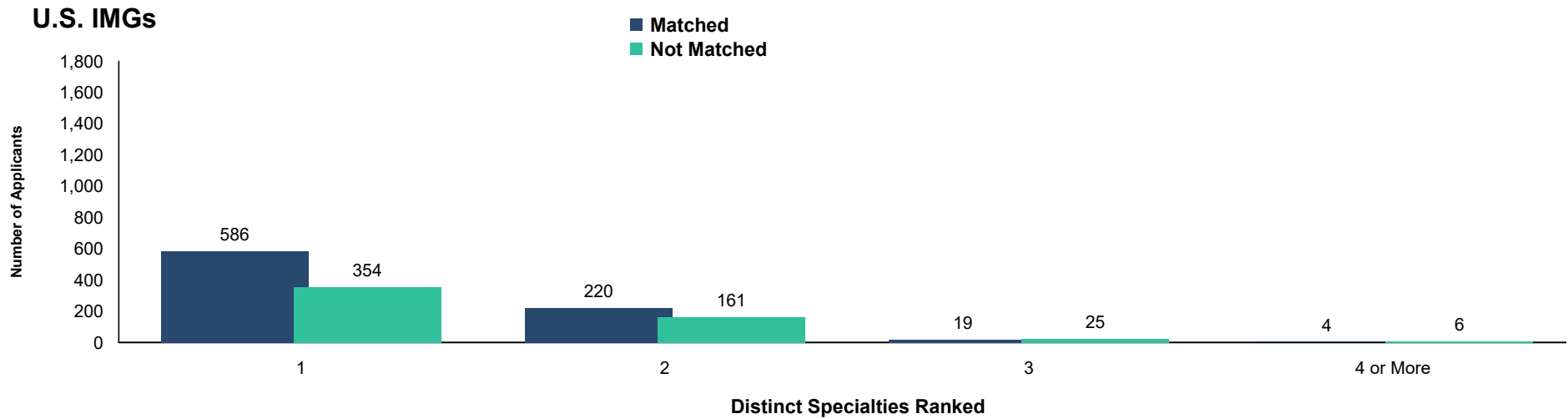
**Table** **Summary Statistics**  
**IM-1** *Internal Medicine*

Measure	U.S. IMGs		Non-U.S. IMGs	
	Matched (n=829)	Unmatched (n=546)	Matched (n=2,015)	Unmatched (n=1,392)
1. Mean number of contiguous ranks	8.6	2.1	7.0	2.7
2. Mean number of distinct specialties ranked	1.3	1.4	1.2	1.3
3. Mean USMLE Step 1 score	225	212	238	229
4. Mean USMLE Step 2 score	235	222	245	236
5. Mean number of research experiences	2.2	2.4	2.6	2.5
6. Mean number of abstracts, presentations, and publications	2.8	3.9	5.8	4.8
7. Mean number of work experiences	4.8	6.5	6.3	6.5
8. Mean number of volunteer experiences	5.0	3.7	4.5	3.9
9. Percentage who have a Ph.D. degree	0.4	1.7	1.3	1.7
10. Percentage who have another graduate degree	17.4	31.4	18.2	20.3

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

**Chart  
IM-1**

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

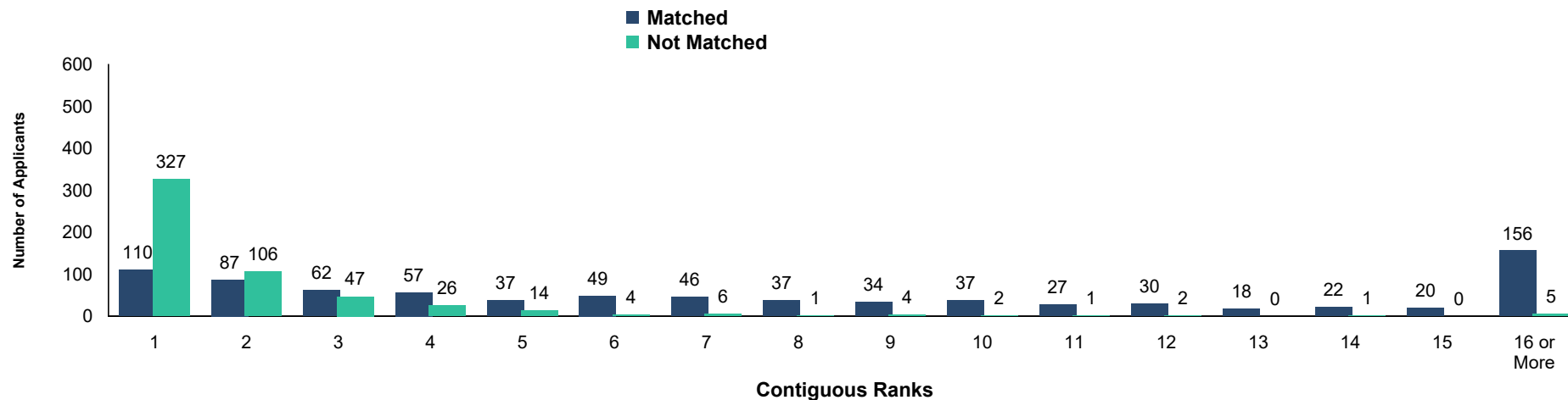


Source: NRMP Data Warehouse

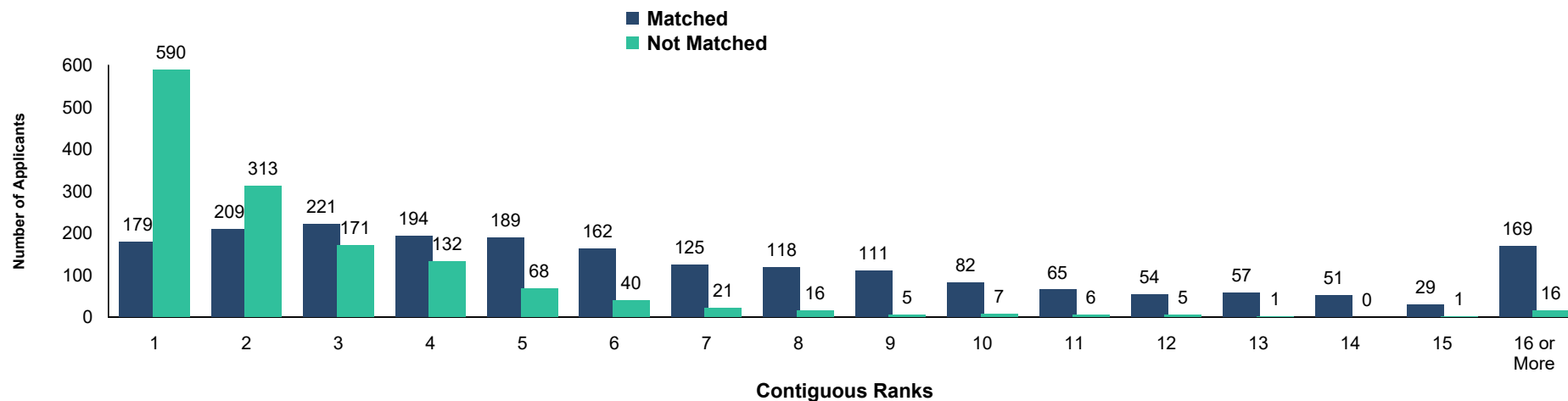
**Chart  
IM-2**

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

**U.S. IMGs**



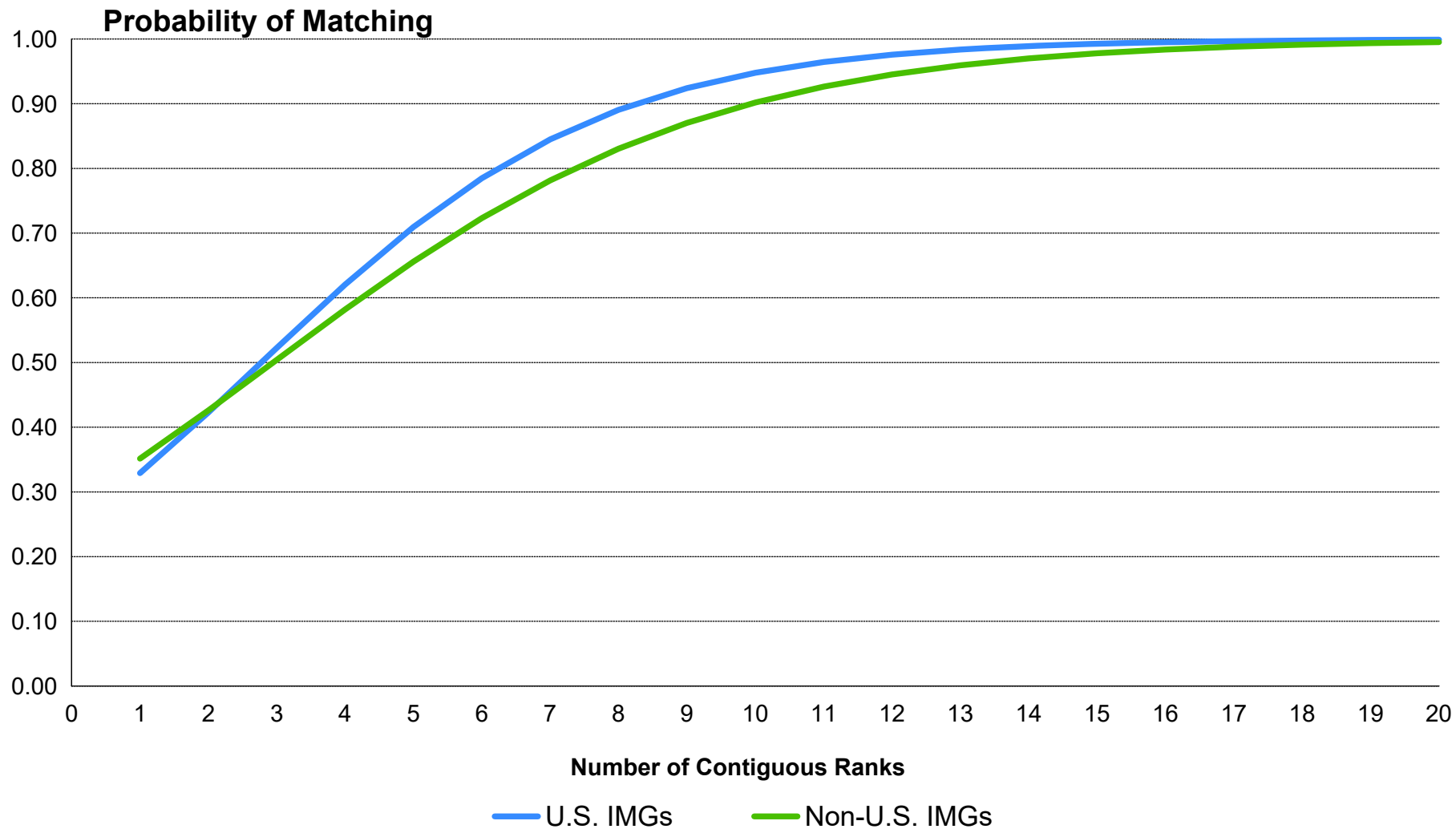
**Non-U.S. IMGs**



Source: NRMP Data Warehouse

**Graph  
IM-1**

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

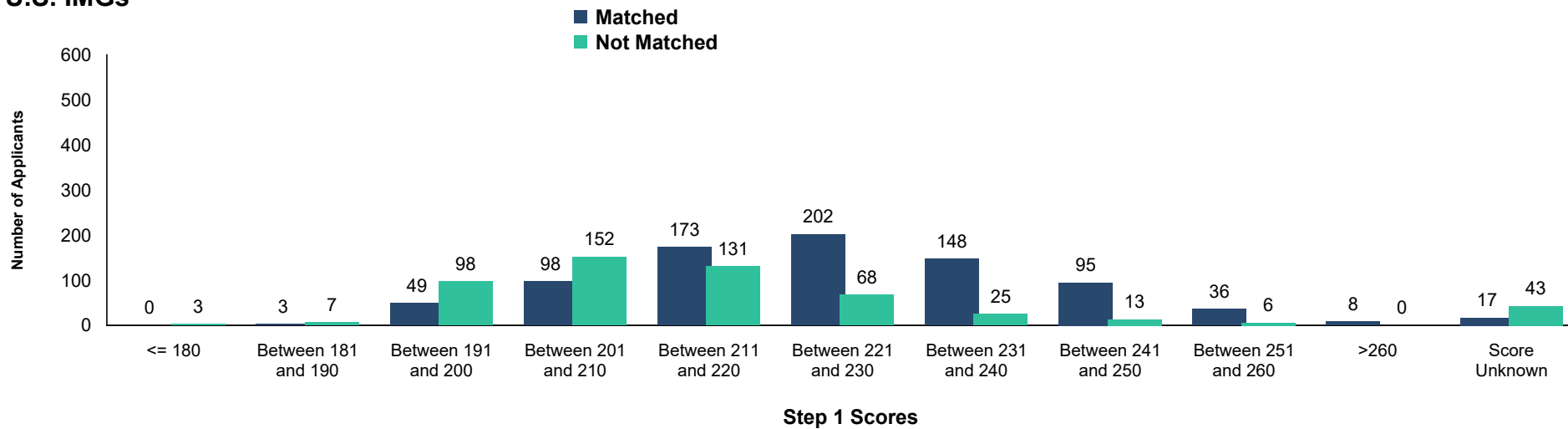


Source: NRMP Data Warehouse. Note: Probabilities calculated based on 2020-2022 applicants

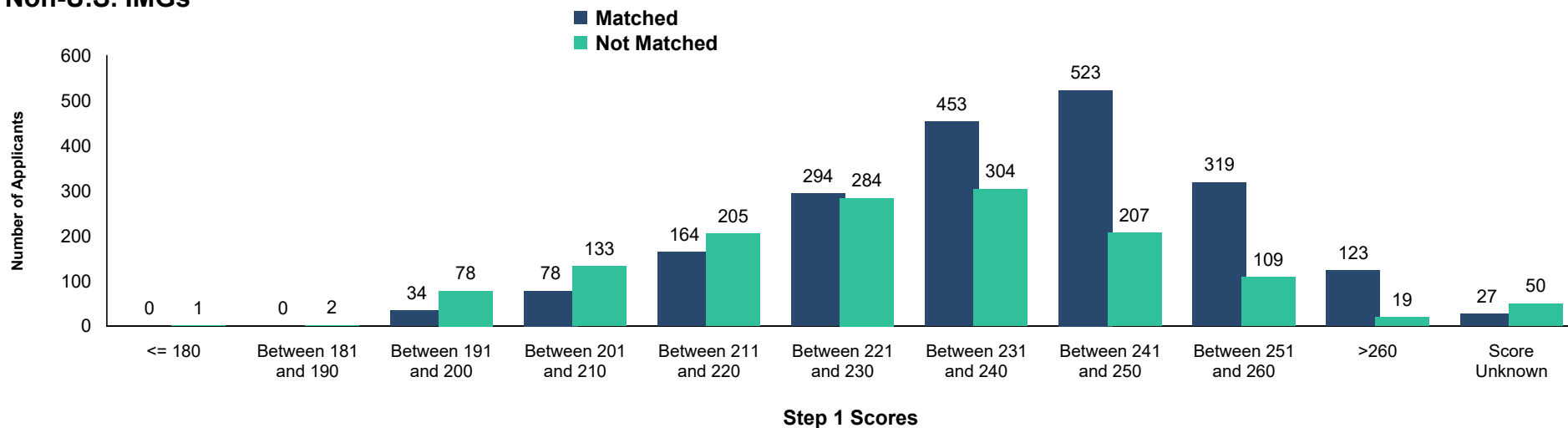
**Chart  
IM-3**

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

**U.S. IMGs**



**Non-U.S. IMGs**

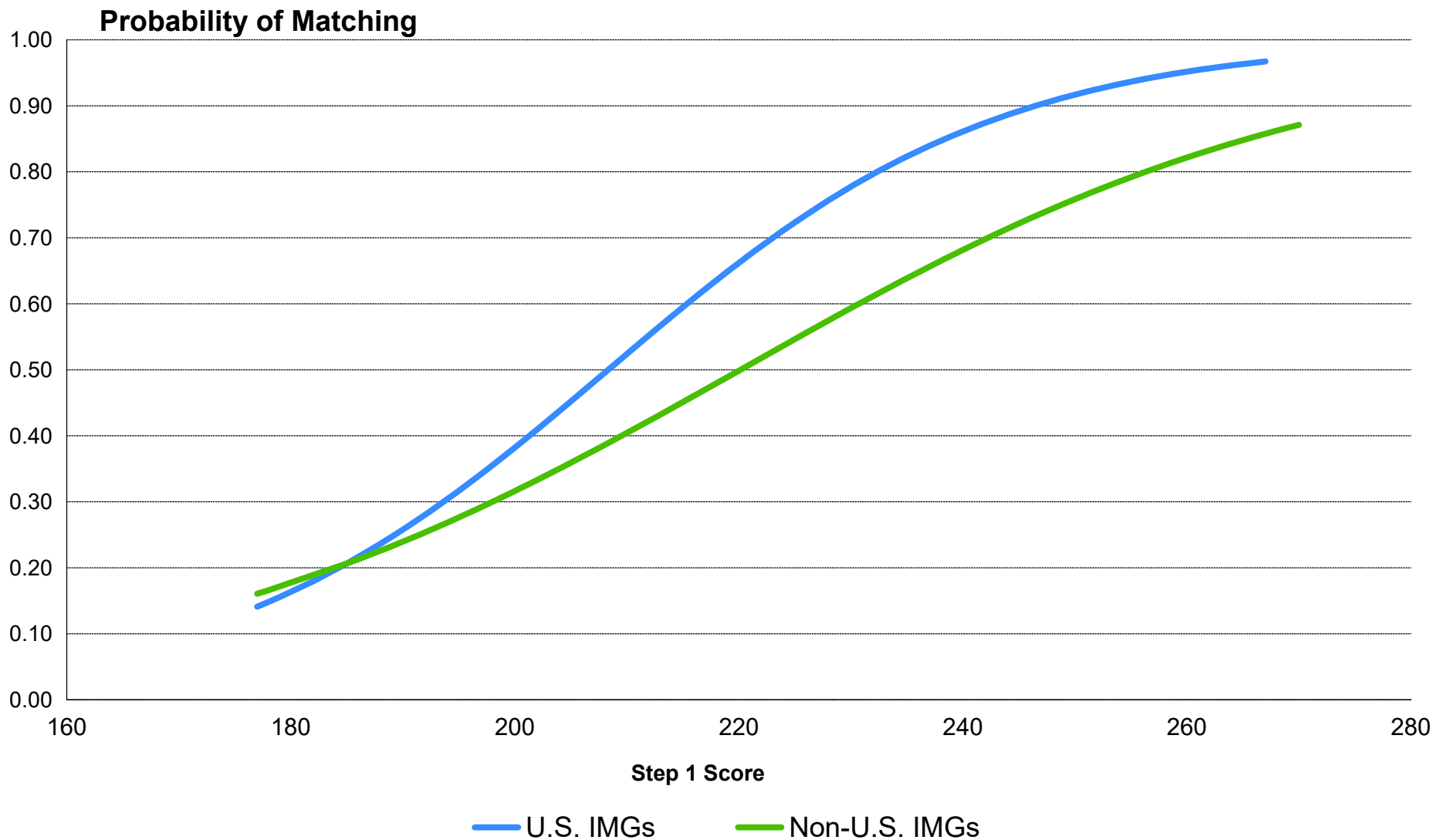


Source: NRMP Data Warehouse

**Graph  
IM-2**

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

*Internal Medicine*

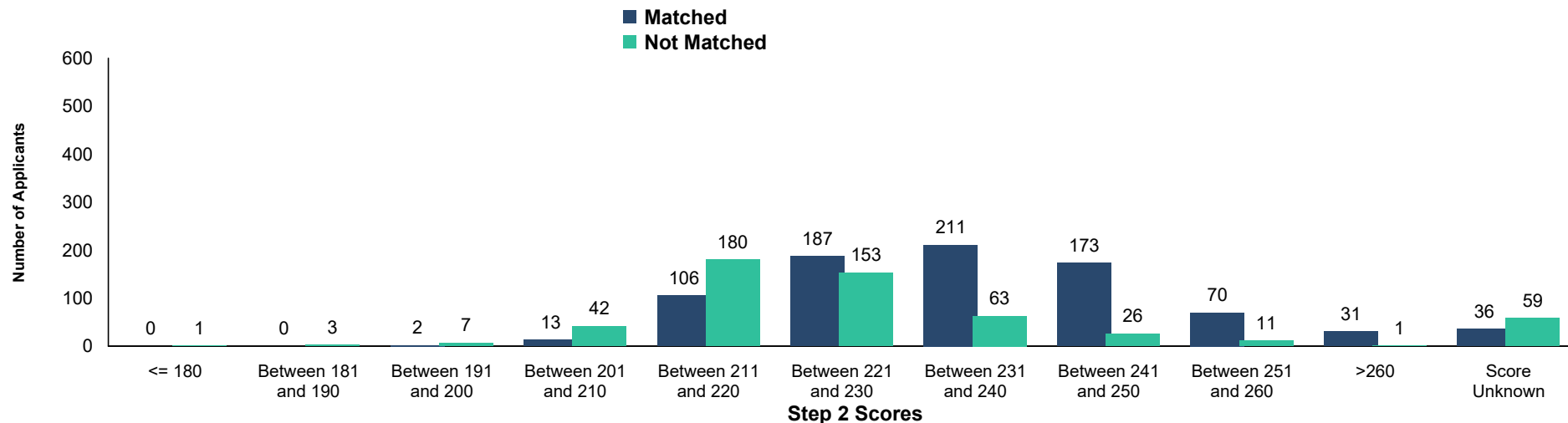


Source: NRMP Data Warehouse. Note: Probabilities calculated based on 2020-2022 applicants.

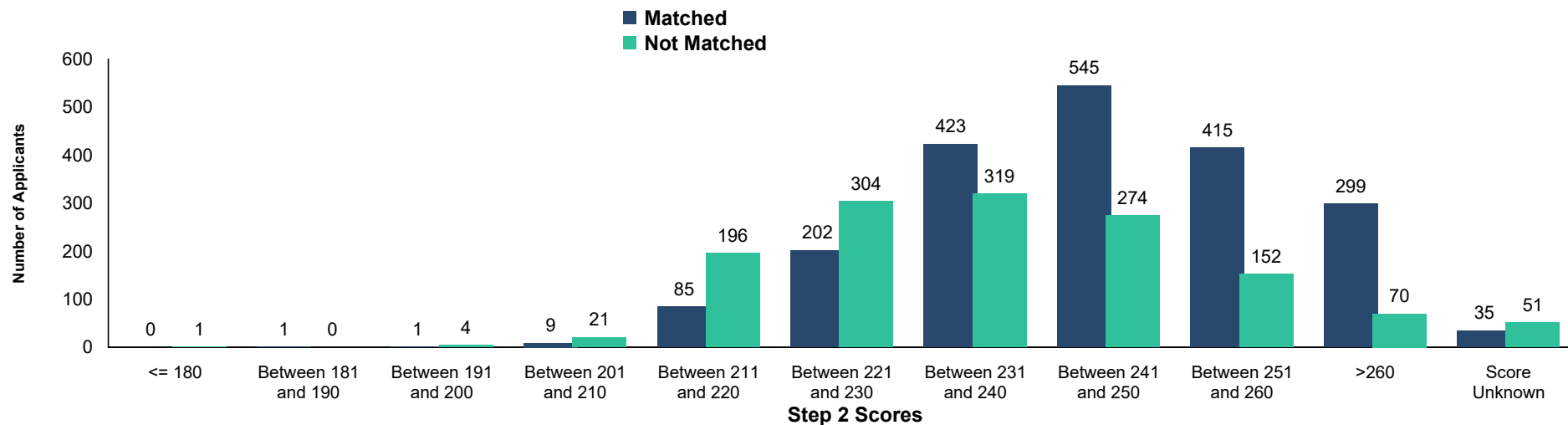
**Chart  
IM-4**

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

**U.S. IMGs**



**Non-U.S. IMGs**



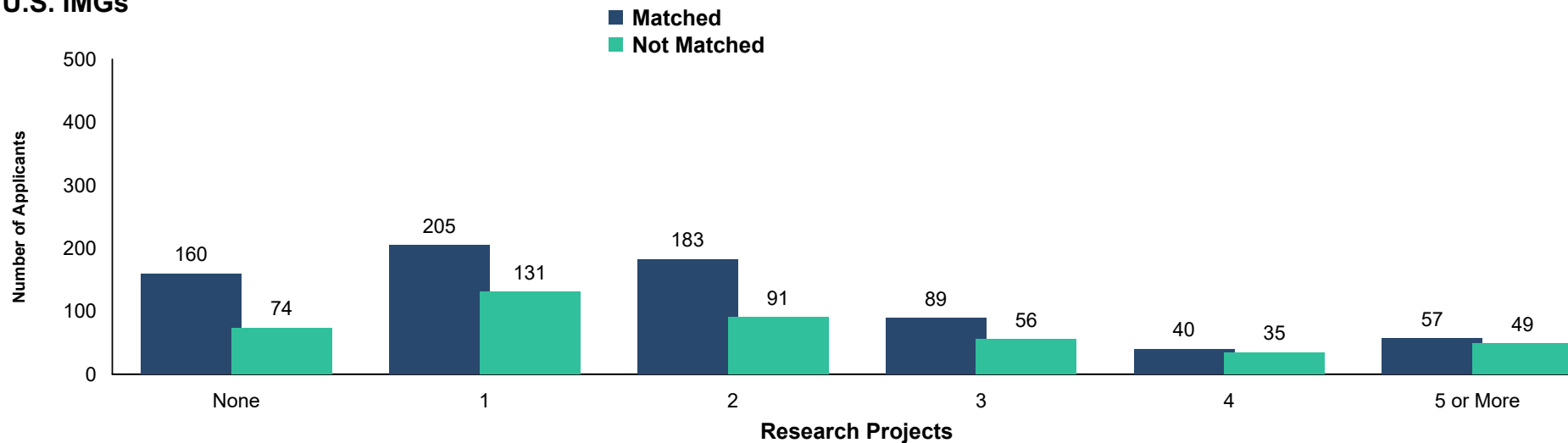
Source: NRMP Data Warehouse



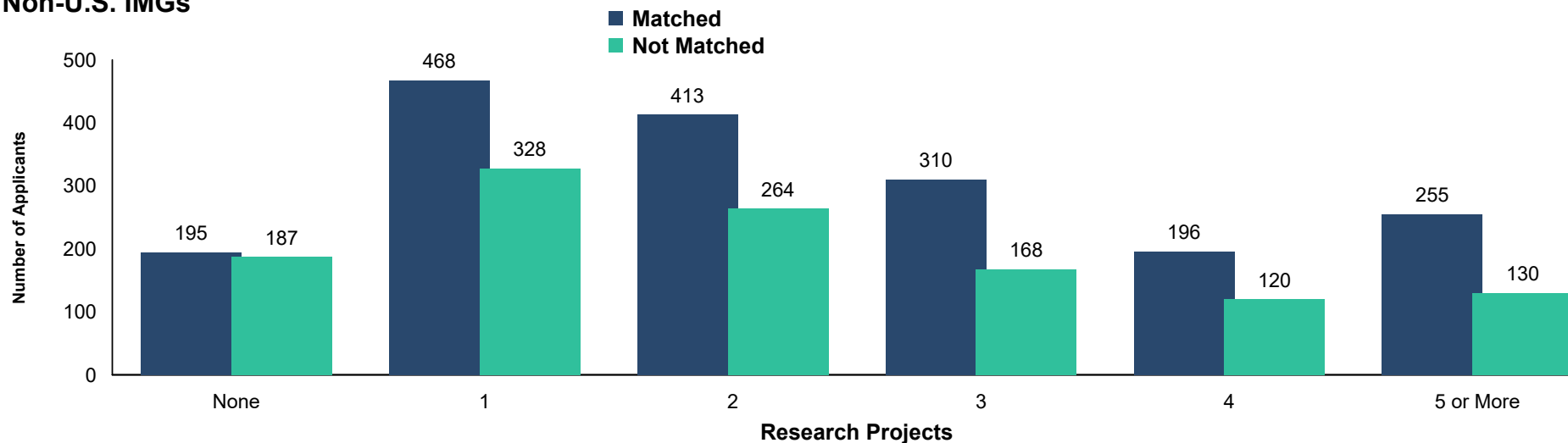
**Chart  
IM-5**

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

**U.S. IMGs**



**Non-U.S. IMGs**

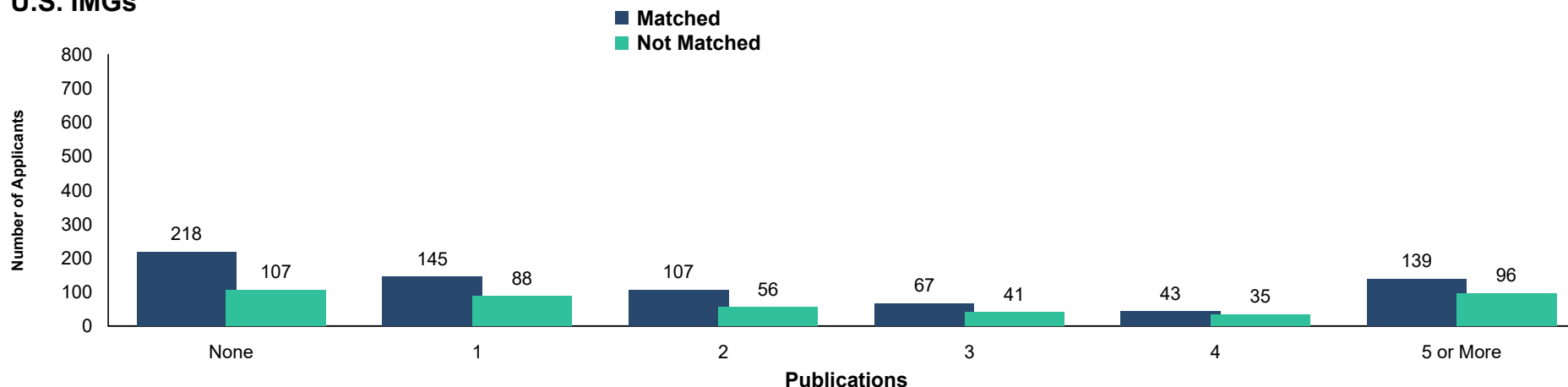


Source: NRMP Data Warehouse

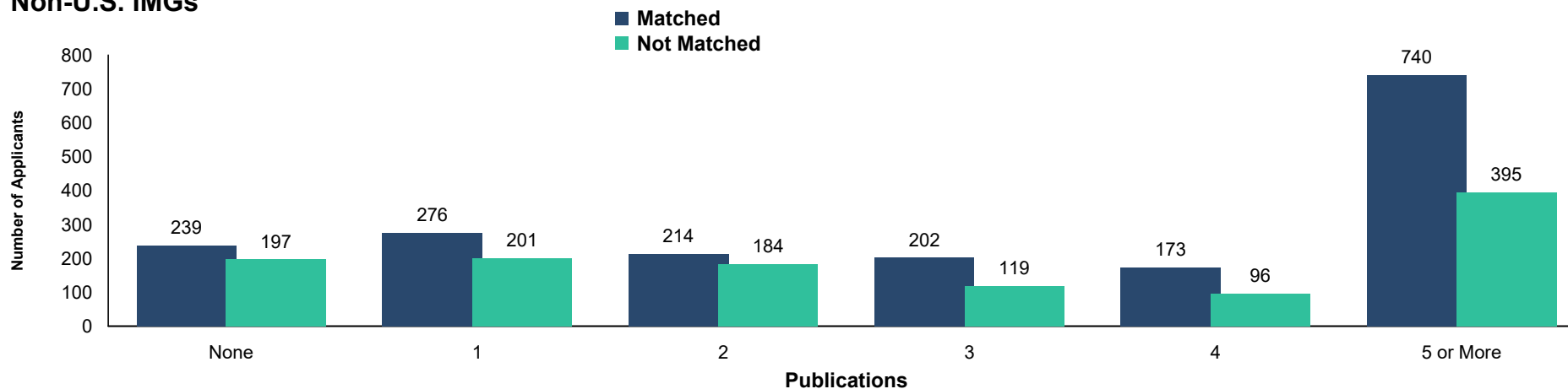
**Chart  
IM-6**

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

**U.S. IMGs**



**Non-U.S. IMGs**

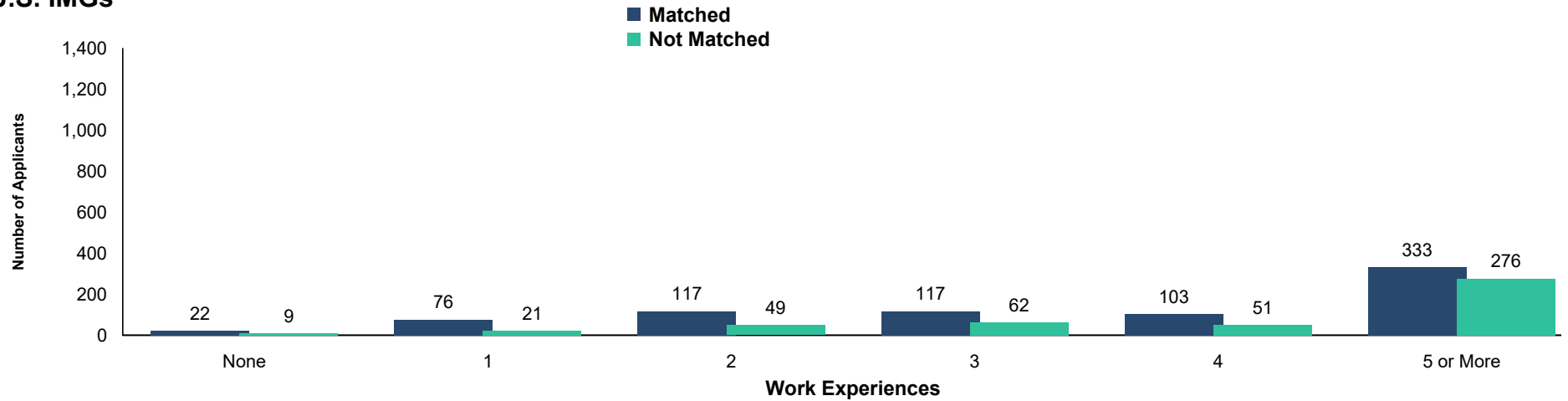


Source: NRMP Data Warehouse

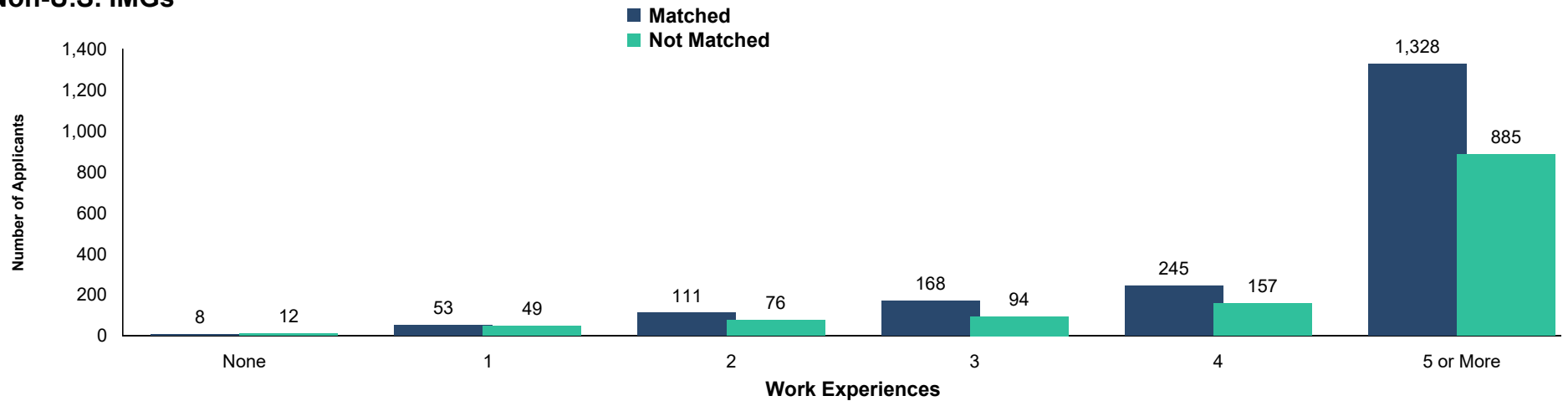
**Chart  
IM-7**

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

**U.S. IMGs**



**Non-U.S. IMGs**

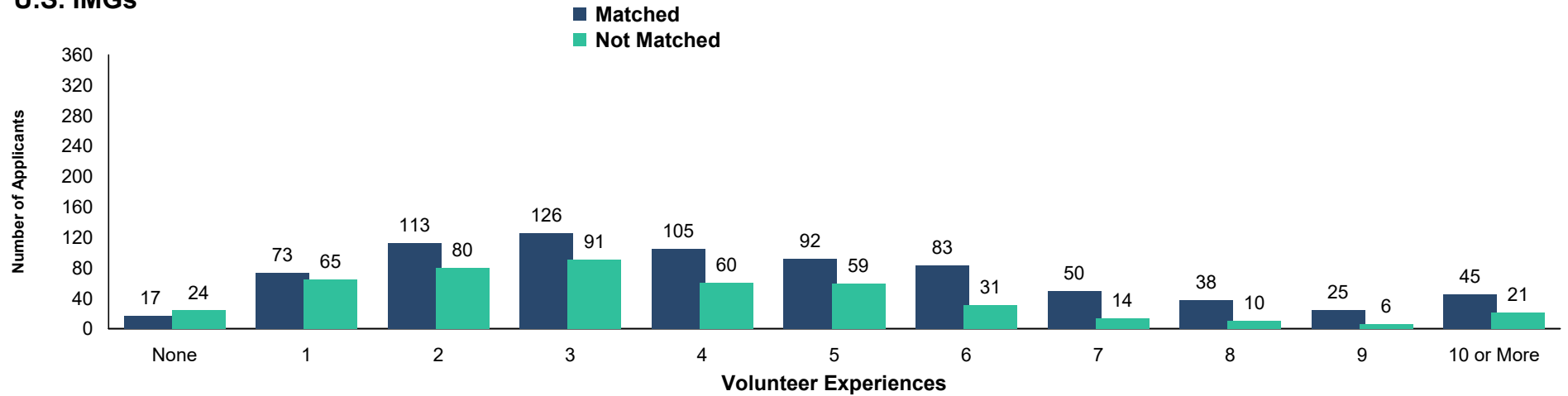


Source: NRMP Data Warehouse

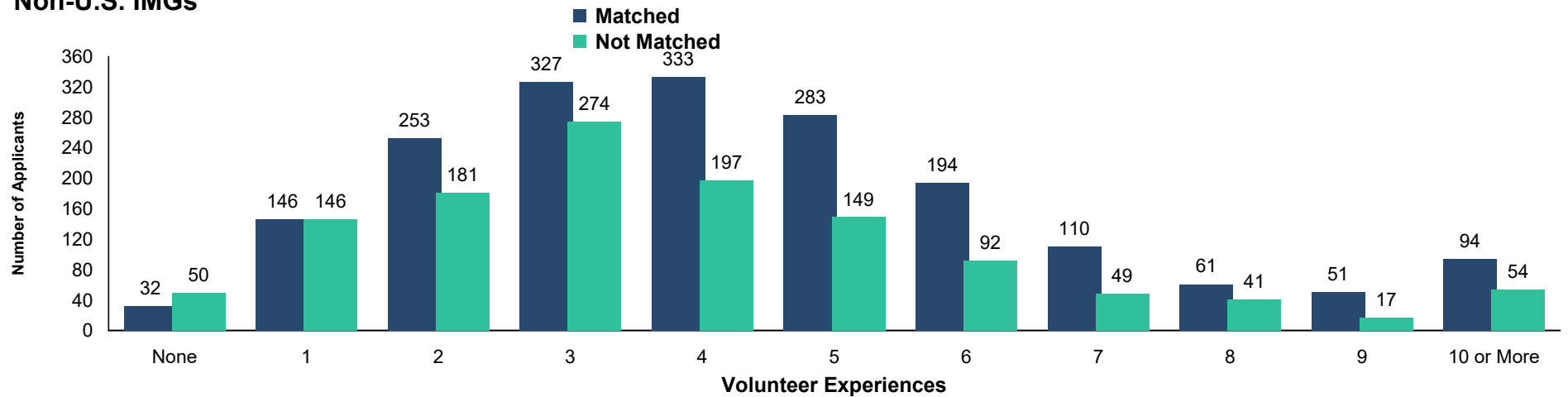
**Chart  
IM-8**

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

**U.S. IMGs**



**Non-U.S. IMGs**



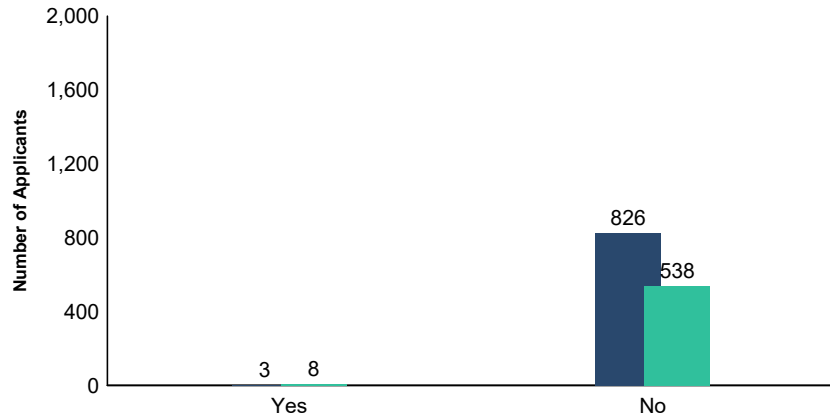
Source: NRMP Data Warehouse

**Chart  
IM-9**

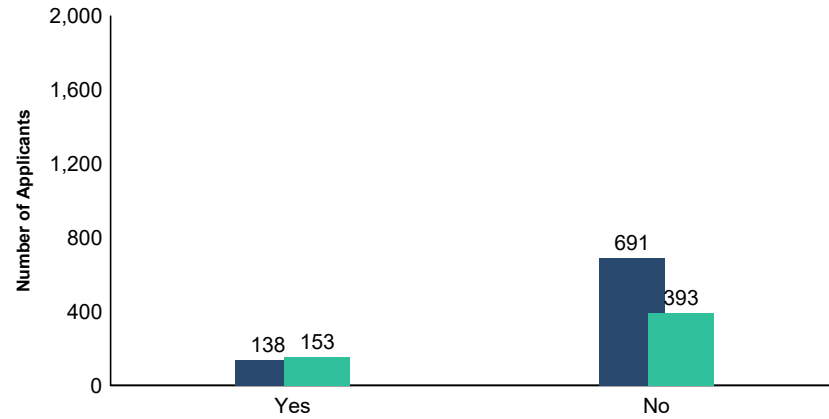
**Other Characteristics of International Medical Graduates**  
*Internal Medicine*

**U.S. IMGs**

**Ph.D. Degree**

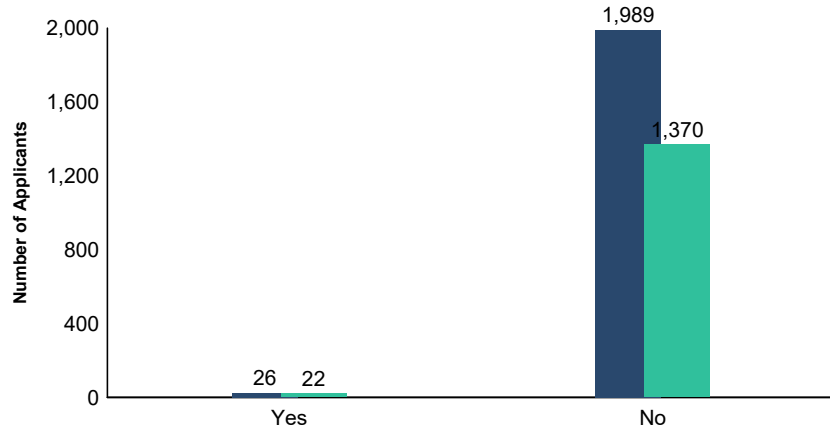


**Other Graduate Degree**

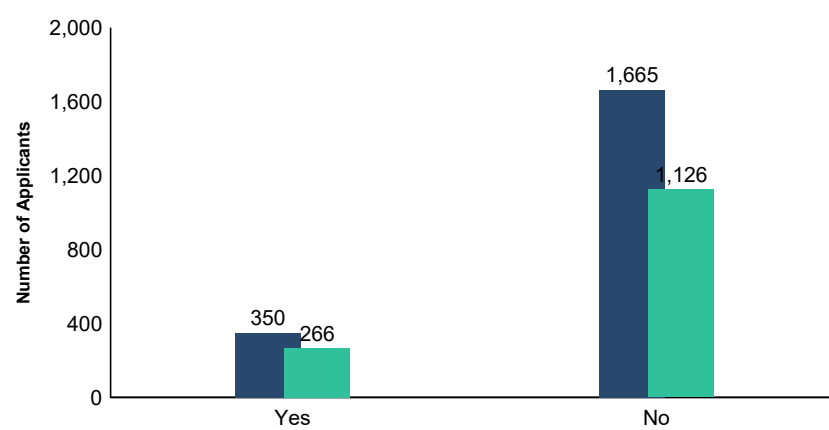


**Non-U.S. IMGs**

**Ph.D. Degree**



**Other Graduate Degree**



Source: NRMP Data Warehouse

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**IP**

## **Internal Medicine/Pediatrics**

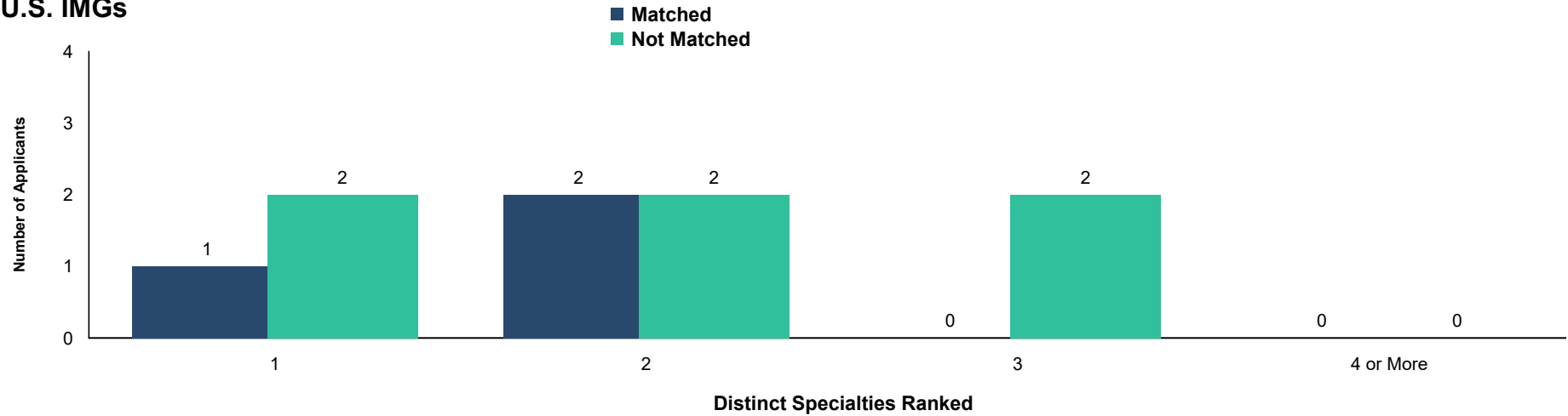
Measure	U.S. IMGs		Non-U.S. IMGs	
	Matched (n=3)	Unmatched (n=6)	Matched (n=7)	Unmatched (n=9)
1. Mean number of contiguous ranks	8.7	2.5	1.6	1.1
2. Mean number of distinct specialties ranked	1.7	2.0	2.4	2.1
3. Mean USMLE Step 1 score	220	215	230	228
4. Mean USMLE Step 2 score	229	231	243	239
5. Mean number of research experiences	2.0	1.7	2.7	3.3
6. Mean number of abstracts, presentations, and publications	4.3	4.0	5.0	5.1
7. Mean number of work experiences	5.0	5.4	8.0	7.8
8. Mean number of volunteer experiences	6.0	7.0	6.8	4.9
9. Percentage who have a Ph.D. degree	0.0	0.0	0.0	0.0
10. Percentage who have another graduate degree	100.0	16.7	16.7	12.5

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

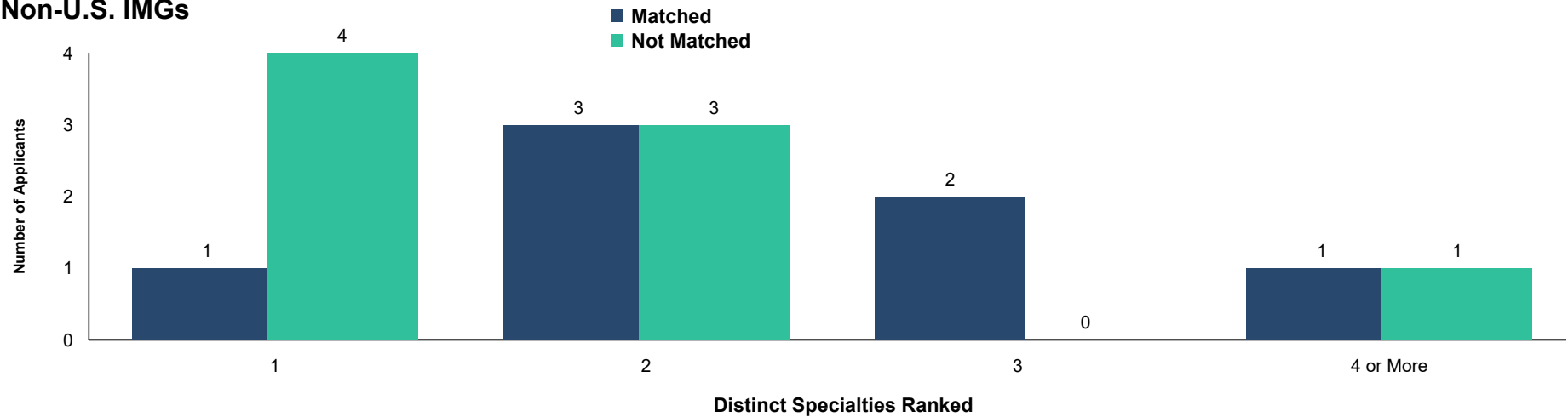
**Chart  
IP-1**

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

**U.S. IMGs**



**Non-U.S. IMGs**



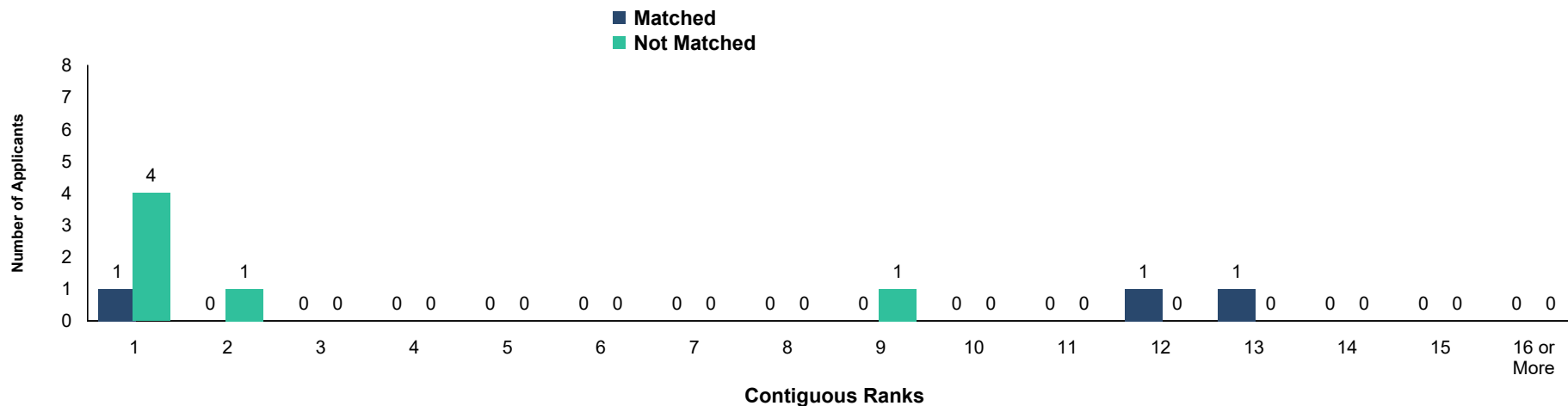
Source: NRMP Data Warehouse



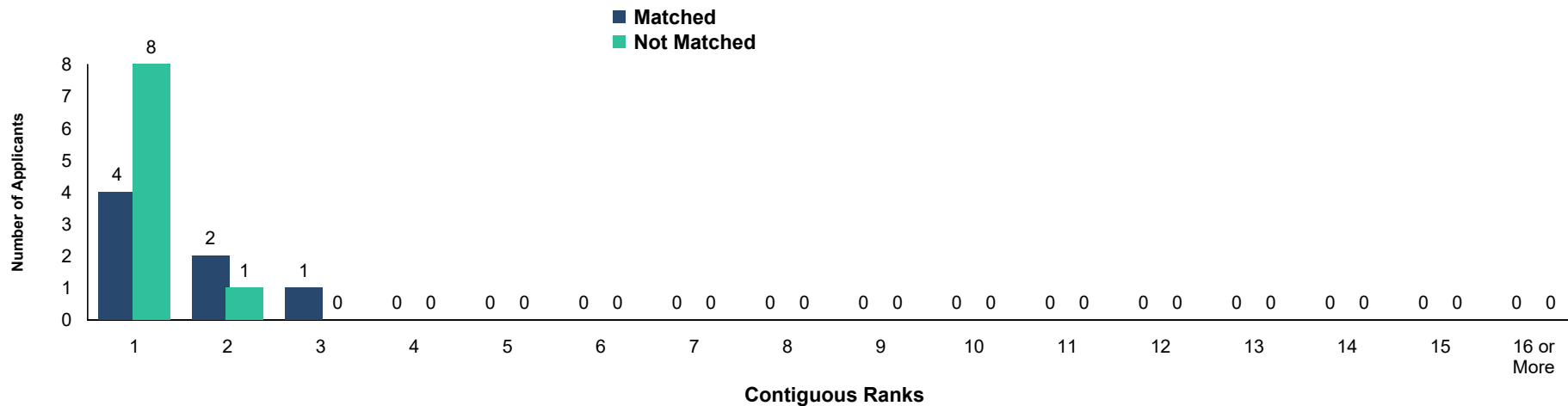
**Chart  
IP-2**

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

**U.S. IMGs**



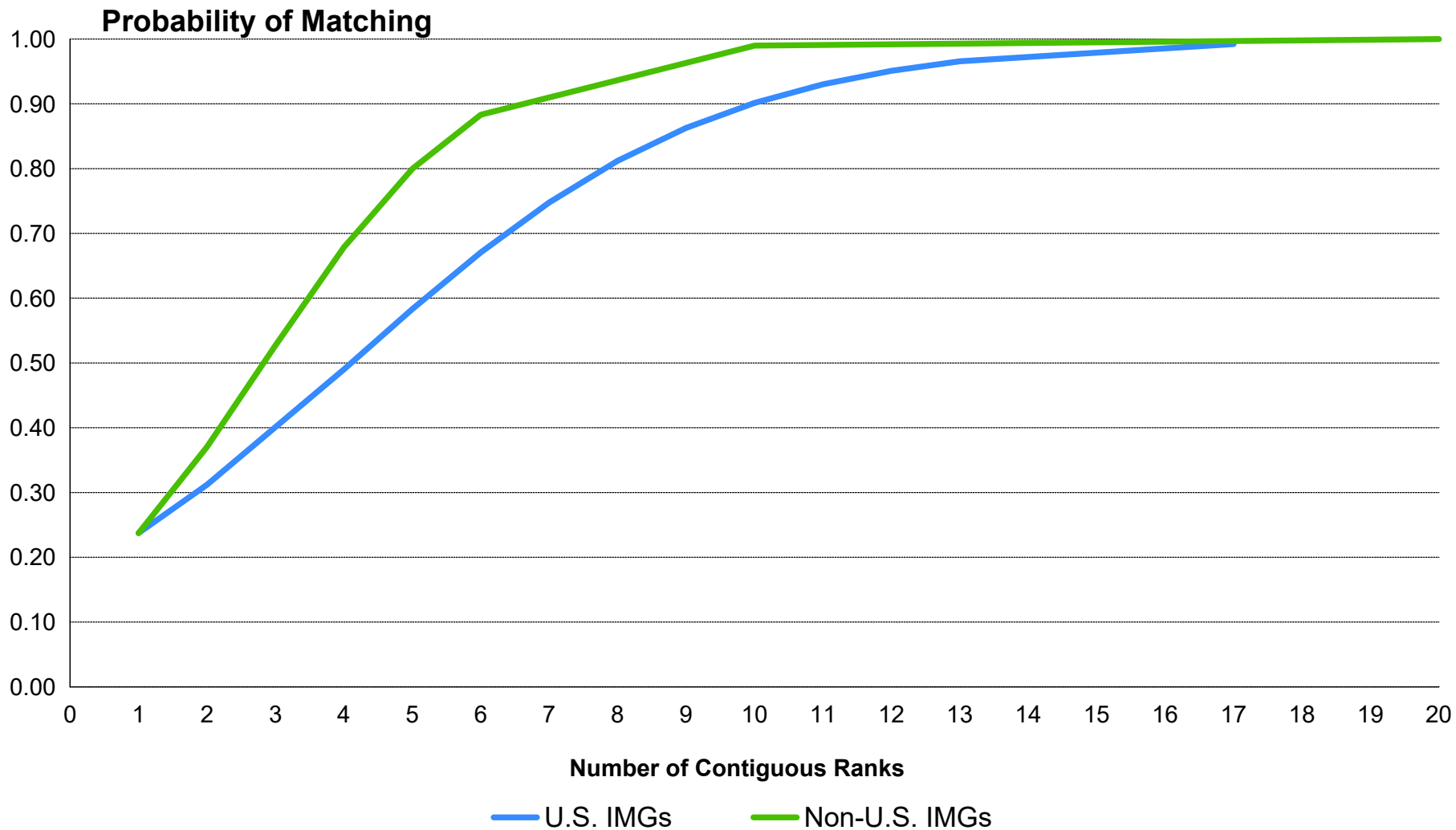
**Non-U.S. IMGs**



Source: NRMP Data Warehouse

**Graph  
IP-1**

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

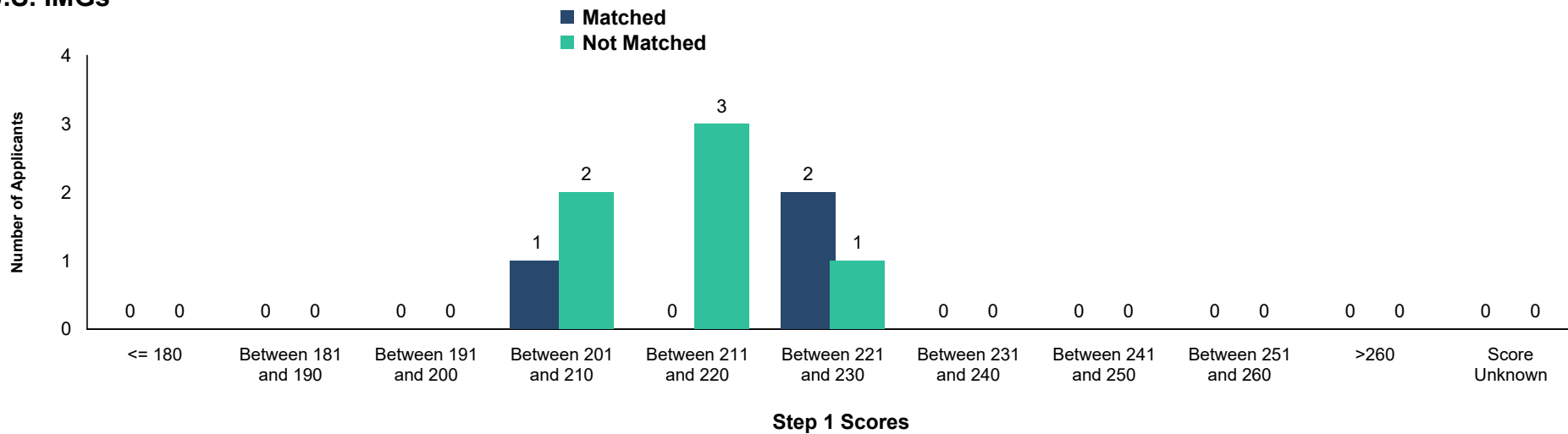


Source: NRMP Data Warehouse. Note: Probabilities calculated based on 2020-2022 applicants

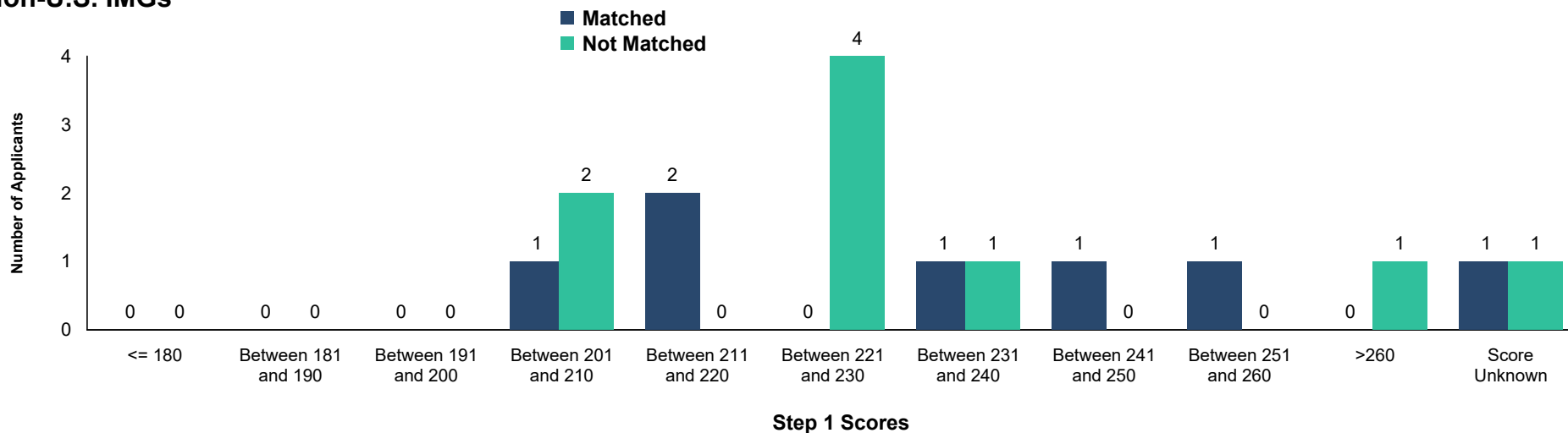
**Chart  
IP-3**

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

**U.S. IMGs**



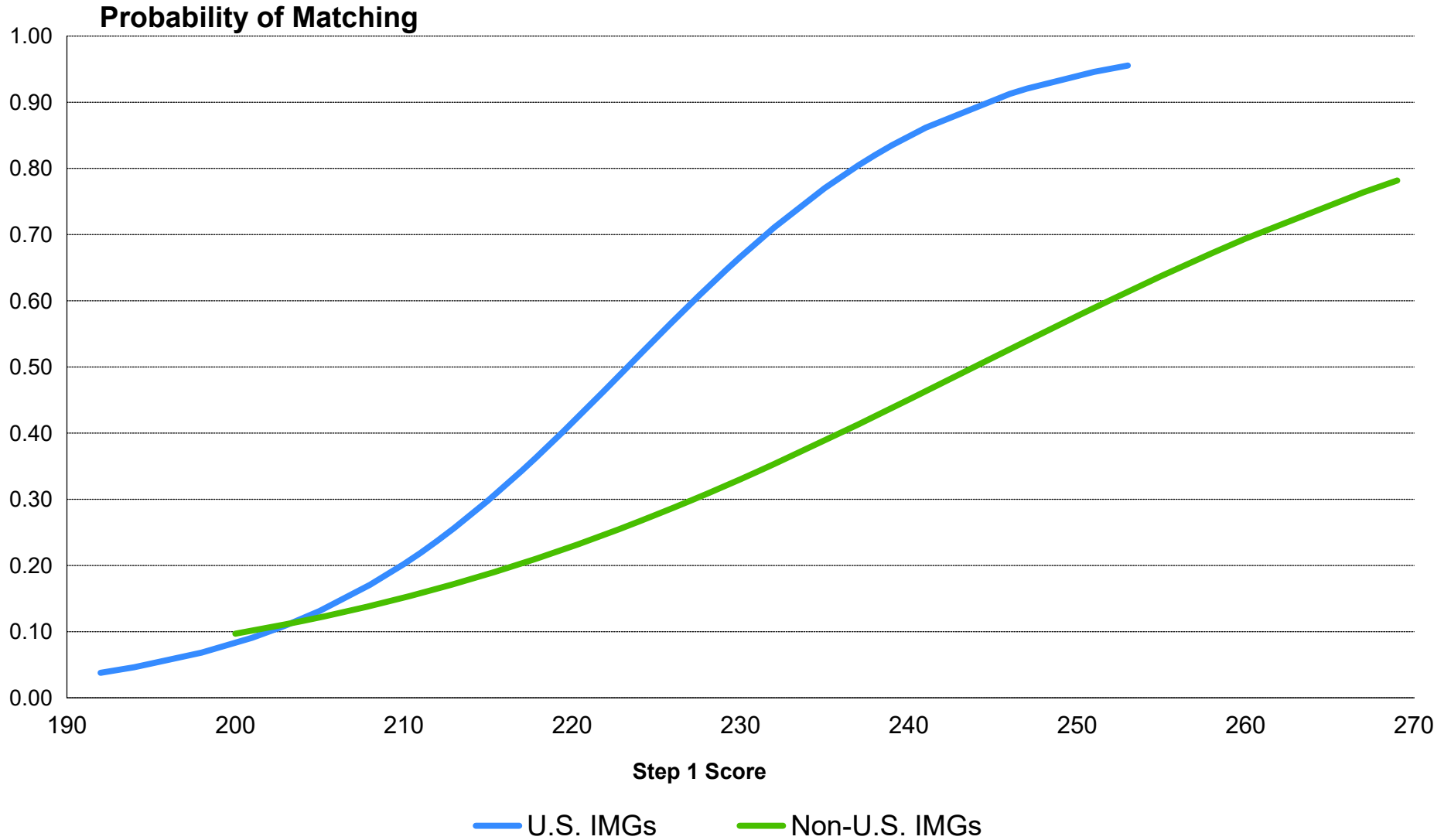
**Non-U.S. IMGs**



Source: NRMP Data Warehouse

**Graph  
IP-2**

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

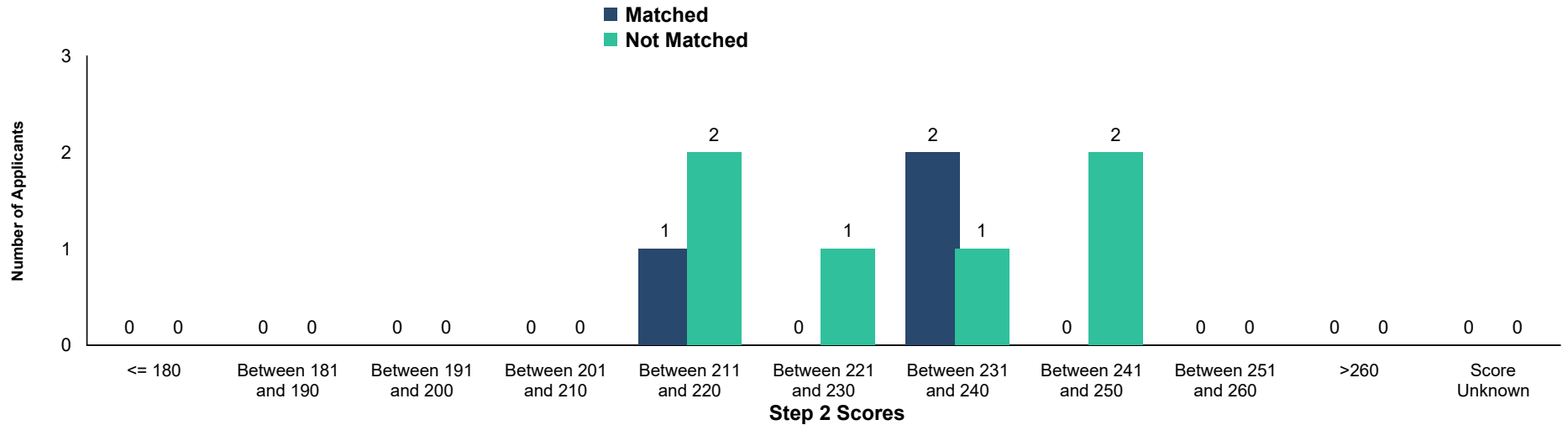


Source: NRMP Data Warehouse. Note: Probabilities calculated based on 2020-2022 applicants.

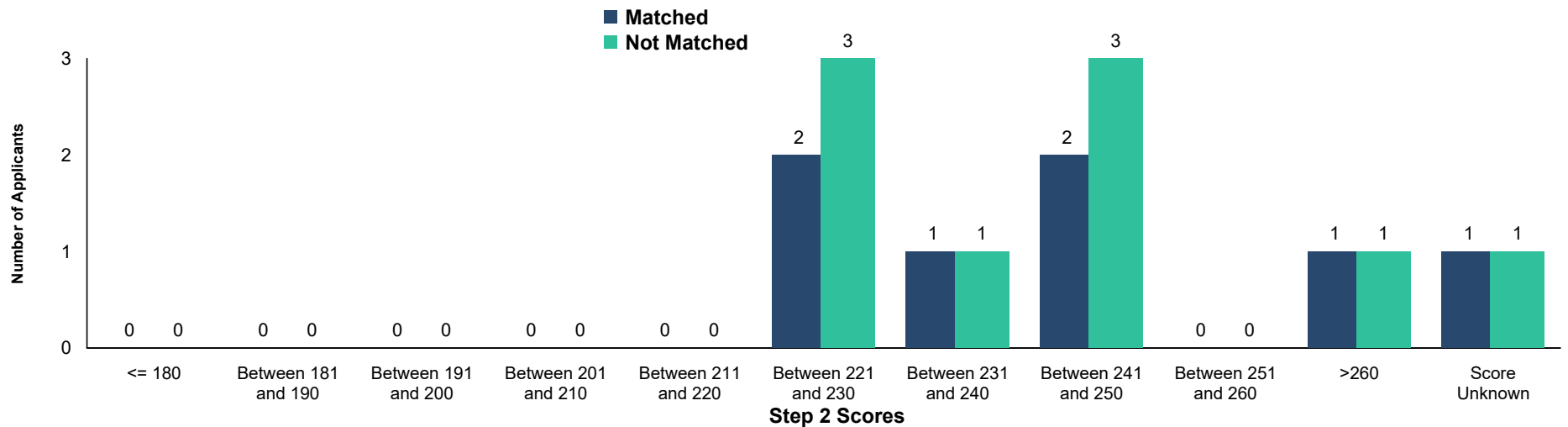
**Chart  
IP-4**

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

**U.S. IMGs**



**Non-U.S. IMGs**

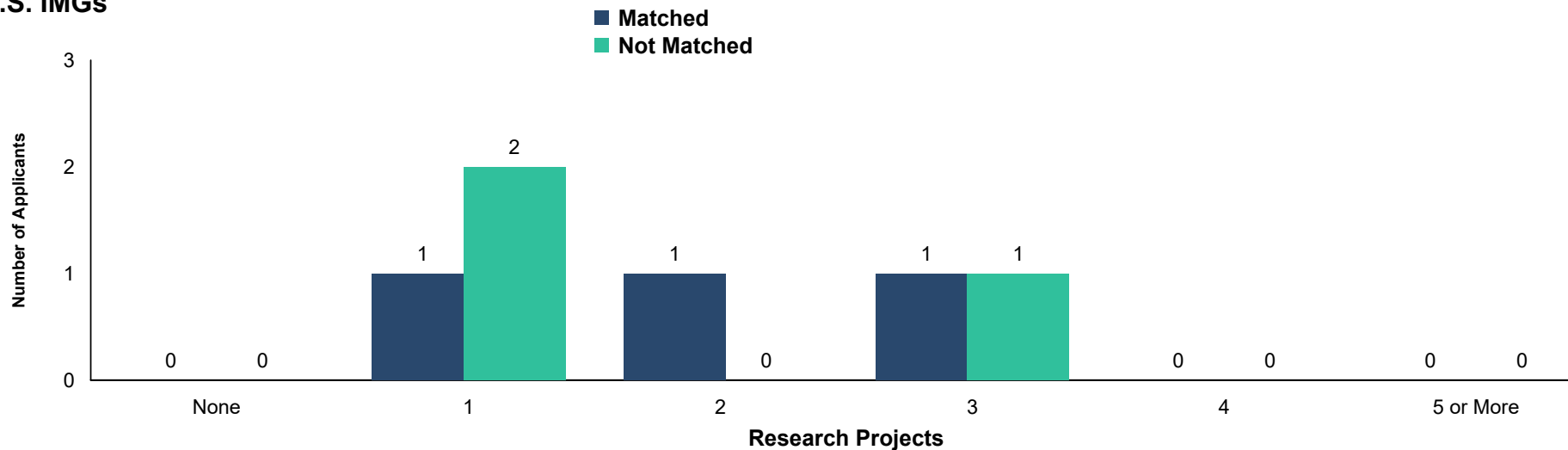


Source: NRMP Data Warehouse

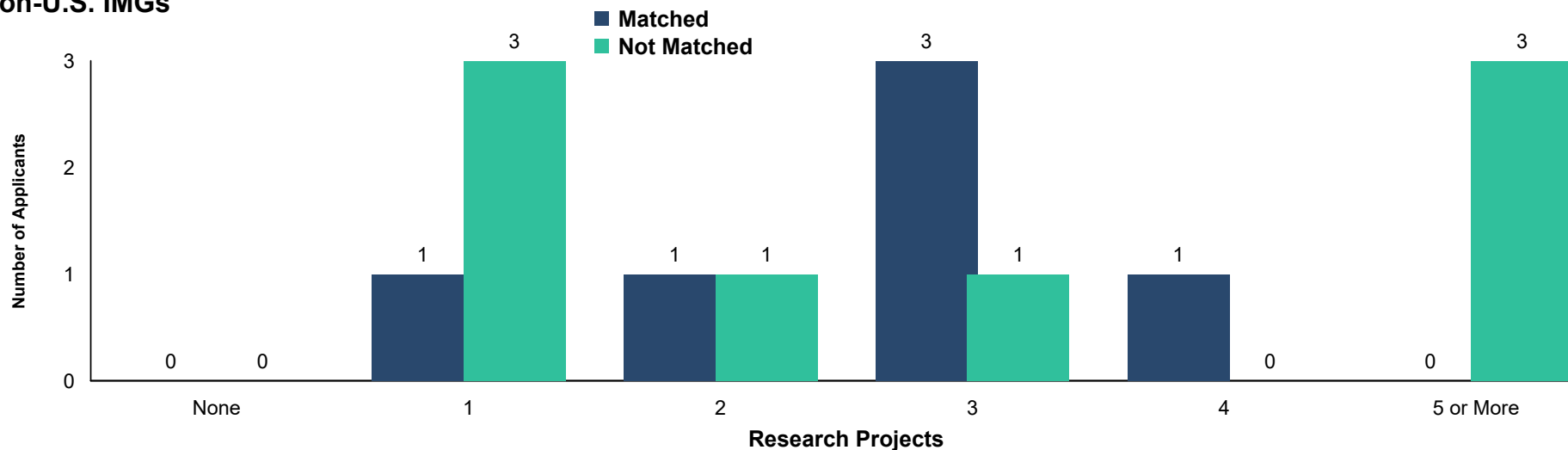
**Chart  
IP-5**

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

**U.S. IMGs**



**Non-U.S. IMGs**

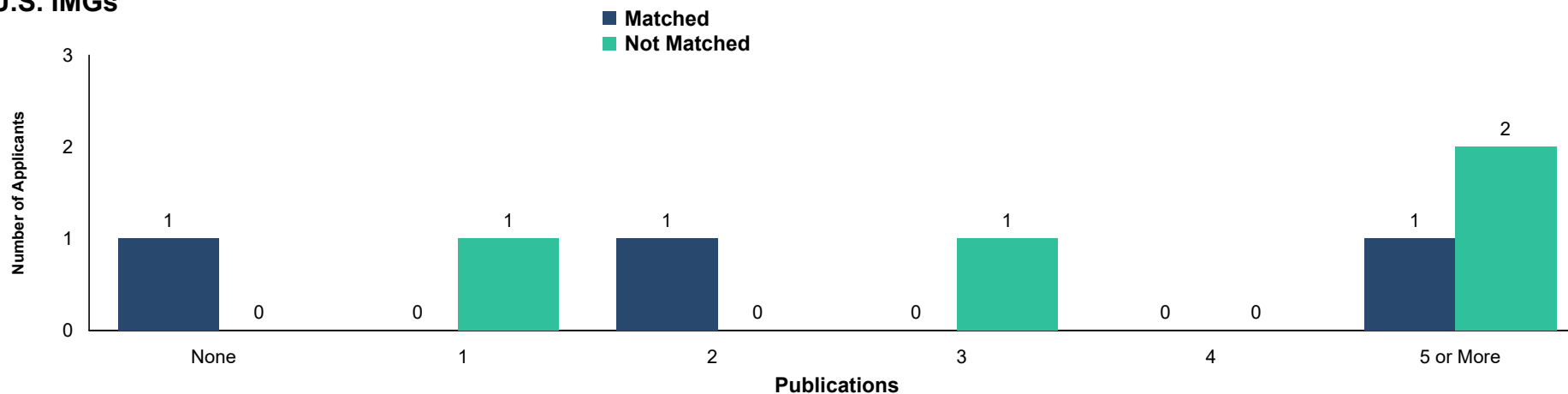


Source: NRMP Data Warehouse

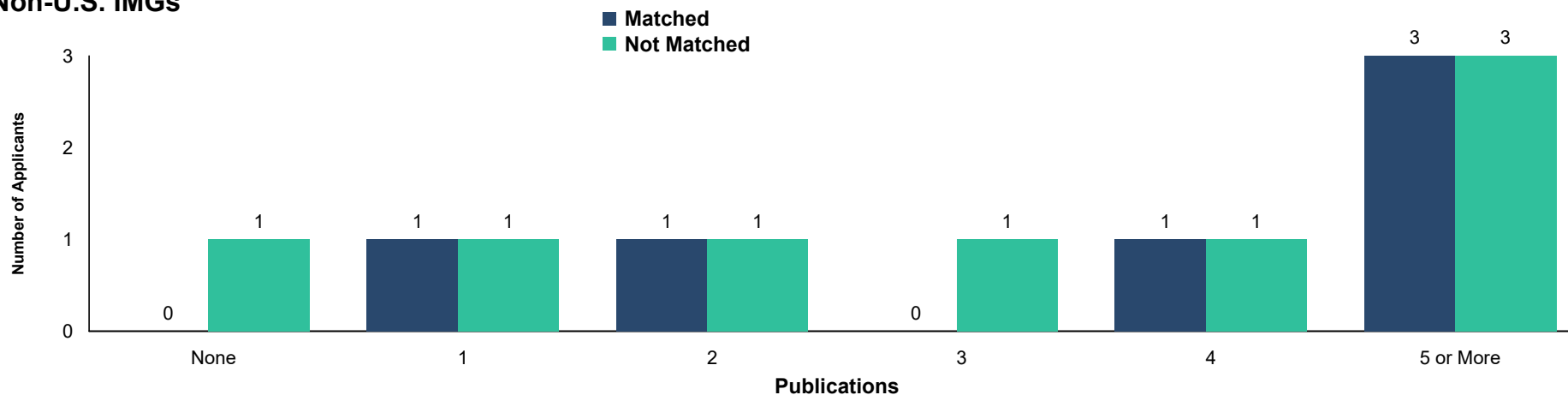
**Chart  
IP-6**

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

**U.S. IMGs**



**Non-U.S. IMGs**

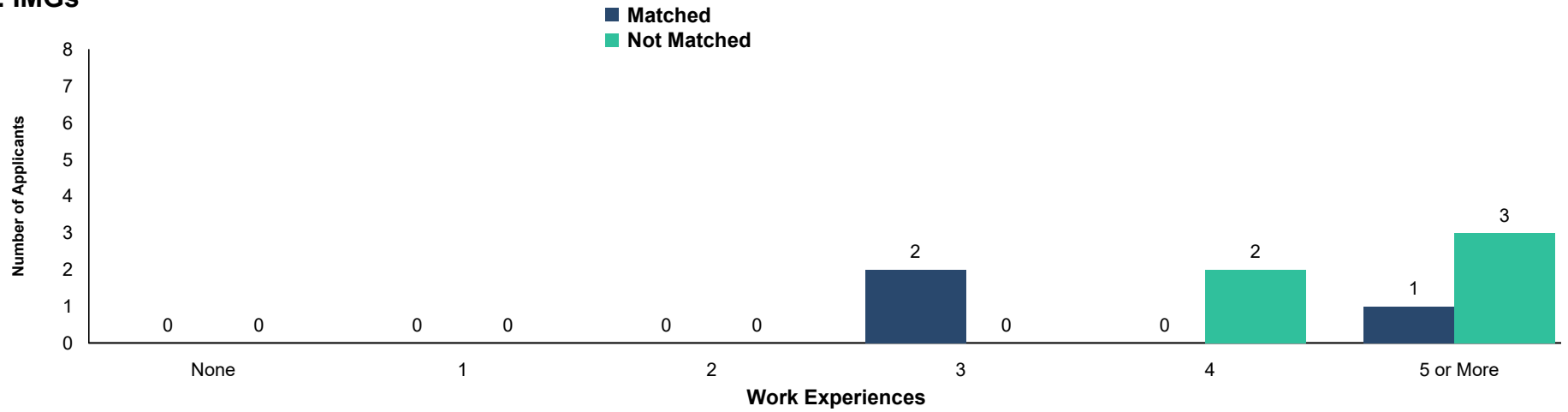


Source: NRMP Data Warehouse

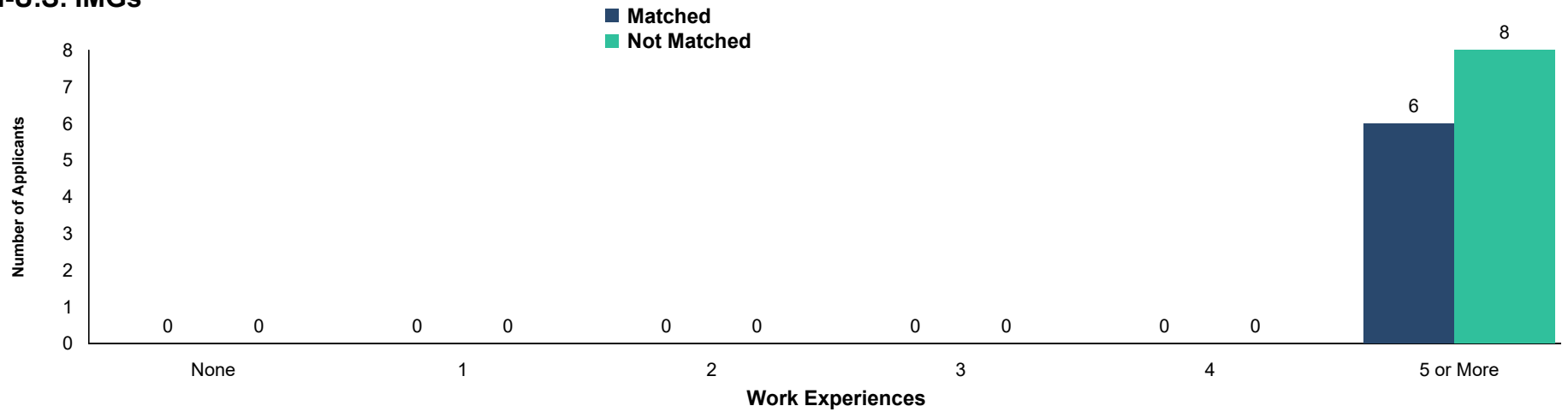
**Chart  
IP-7**

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

**U.S. IMGs**



**Non-U.S. IMGs**



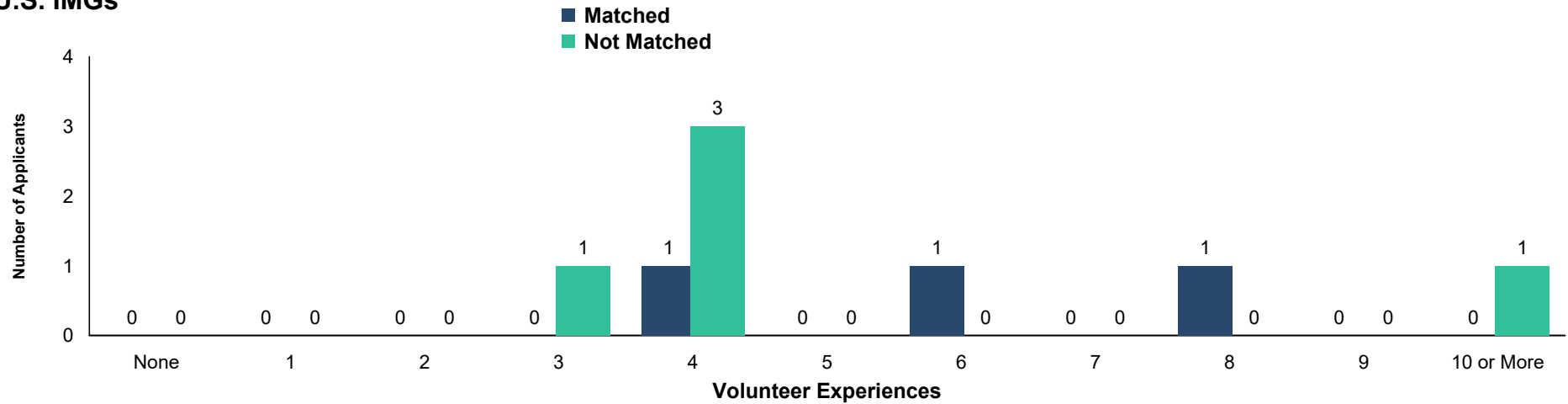
Source: NRMP Data Warehouse



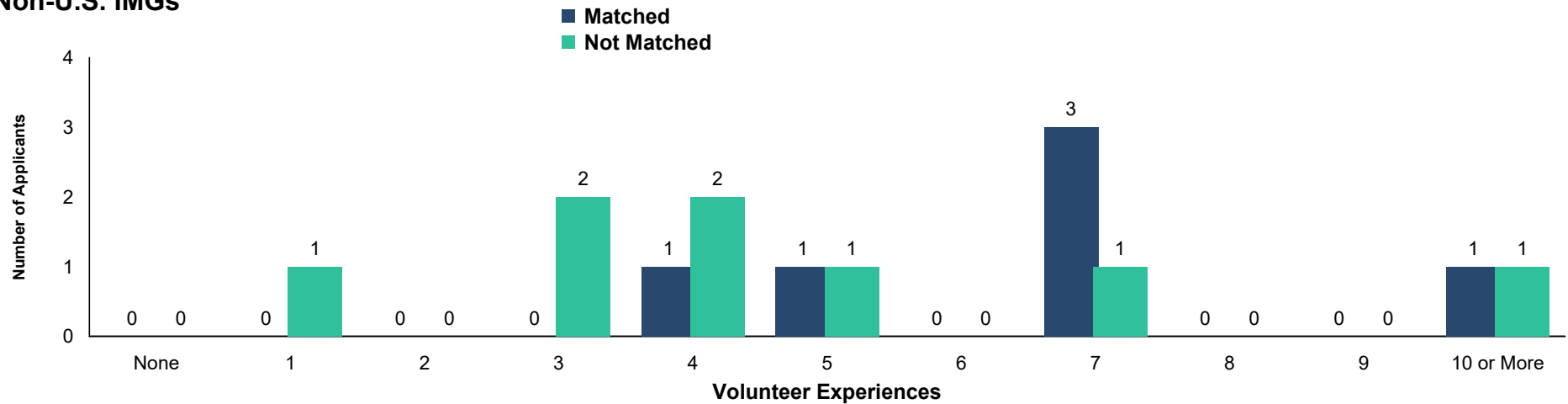
**Chart  
IP-8**

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

**U.S. IMGs**



**Non-U.S. IMGs**



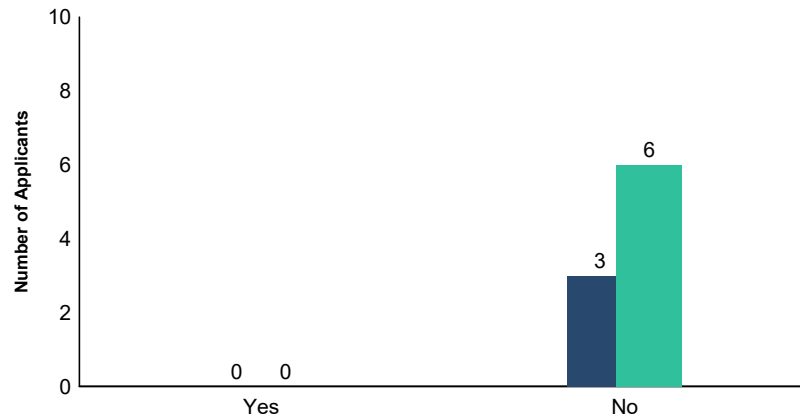
Source: NRMP Data Warehouse

**Chart  
IP-9**

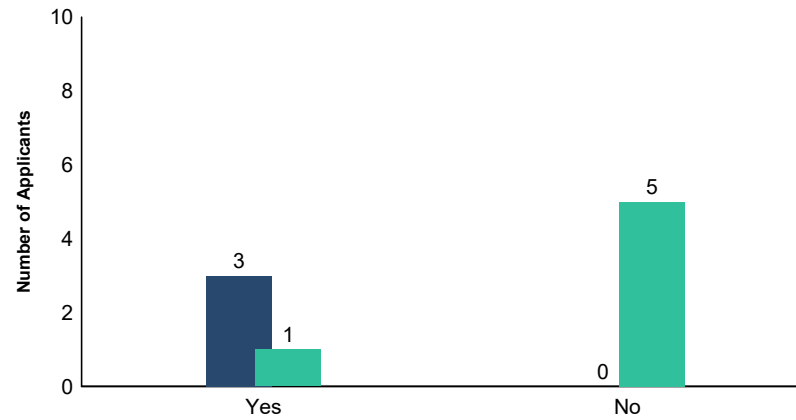
**Other Characteristics of International Medical Graduates**  
*Internal Medicine/Pediatrics*

**U.S. IMGs**

**Ph.D. Degree**

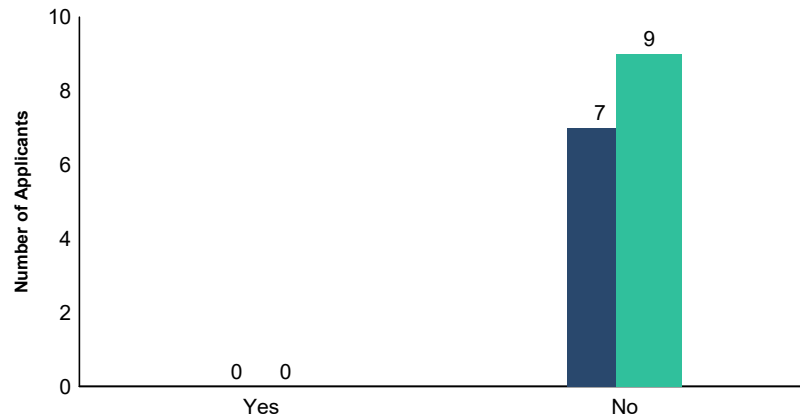


**Other Graduate Degree**

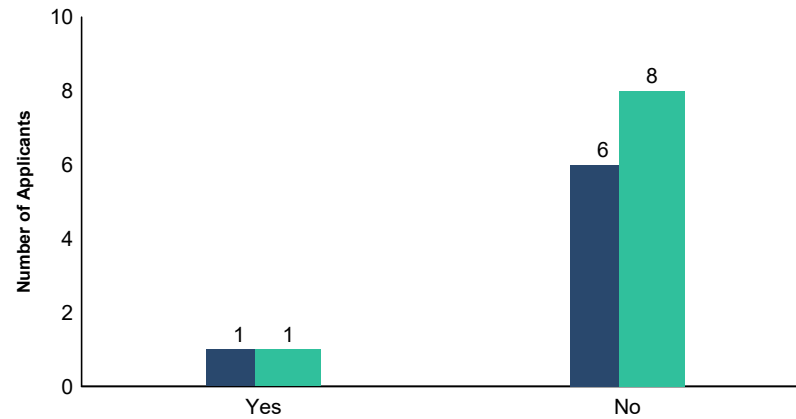


**Non-U.S. IMGs**

**Ph.D. Degree**



**Other Graduate Degree**



Source: NRMP Data Warehouse

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**IR** **Interventional Radiology**

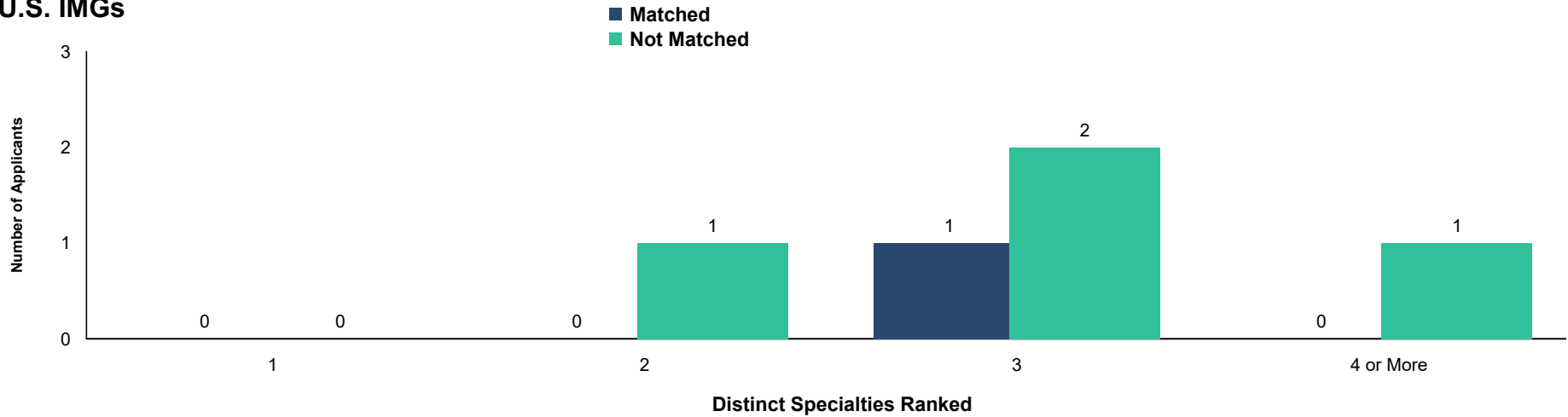
Measure	U.S. IMGs		Non-U.S. IMGs	
	Matched (n=1)	Unmatched (n=4)	Matched (n=3)	Unmatched (n=7)
1. Mean number of contiguous ranks	3.0	1.3	11.7	1.0
2. Mean number of distinct specialties ranked	3.0	3.0	2.7	3.3
3. Mean USMLE Step 1 score	261	240	250	242
4. Mean USMLE Step 2 score	270	244	246	243
5. Mean number of research experiences	5.0	3.0	6.0	2.8
6. Mean number of abstracts, presentations, and publications	5.0	13.5	39.0	4.3
7. Mean number of work experiences	4.0	4.8	4.3	7.5
8. Mean number of volunteer experiences	8.0	6.3	8.0	4.3
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	0.0	0.0	57.1

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

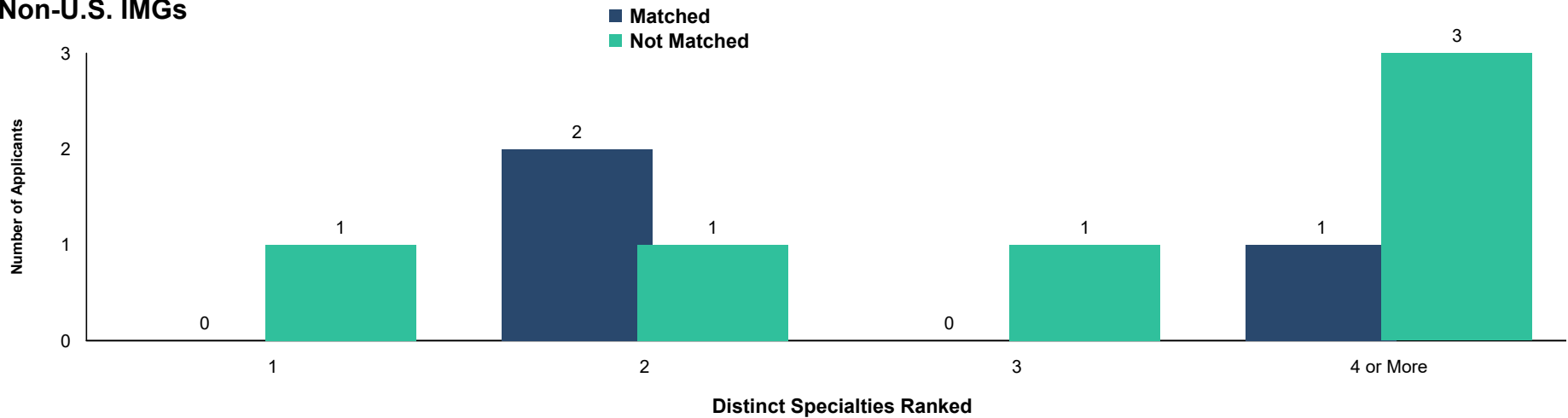
**Chart  
IR-1**

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

**U.S. IMGs**



**Non-U.S. IMGs**

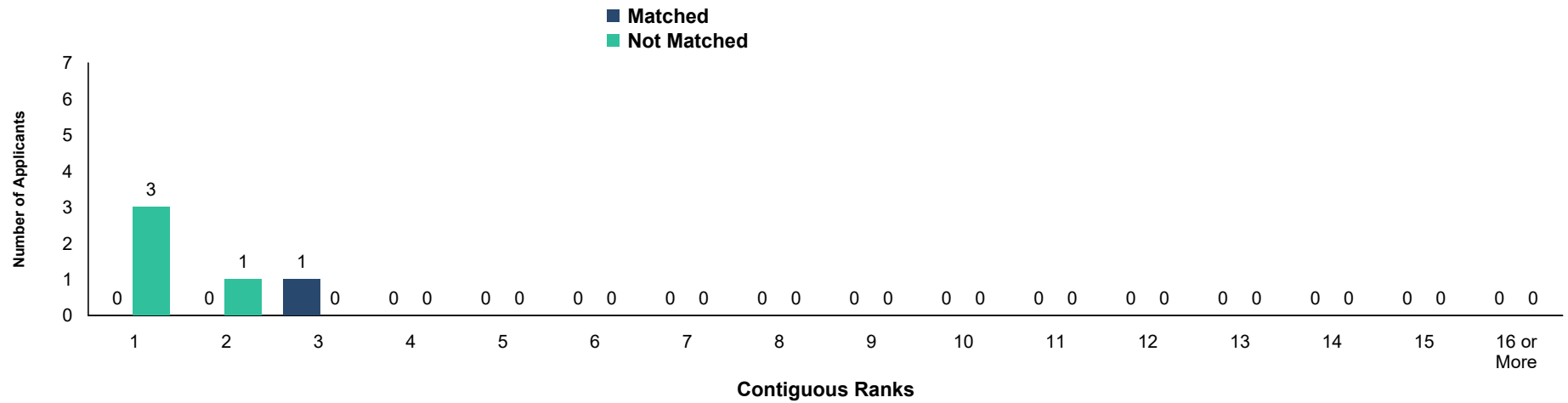


Source: NRMP Data Warehouse

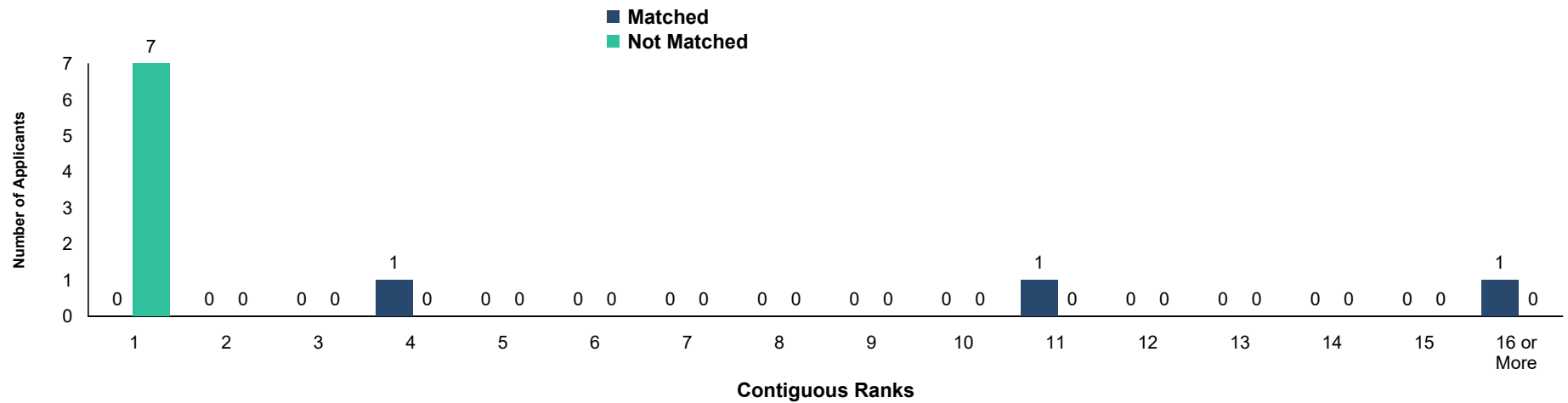
**Chart  
IR-2**

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

**U.S. IMGs**



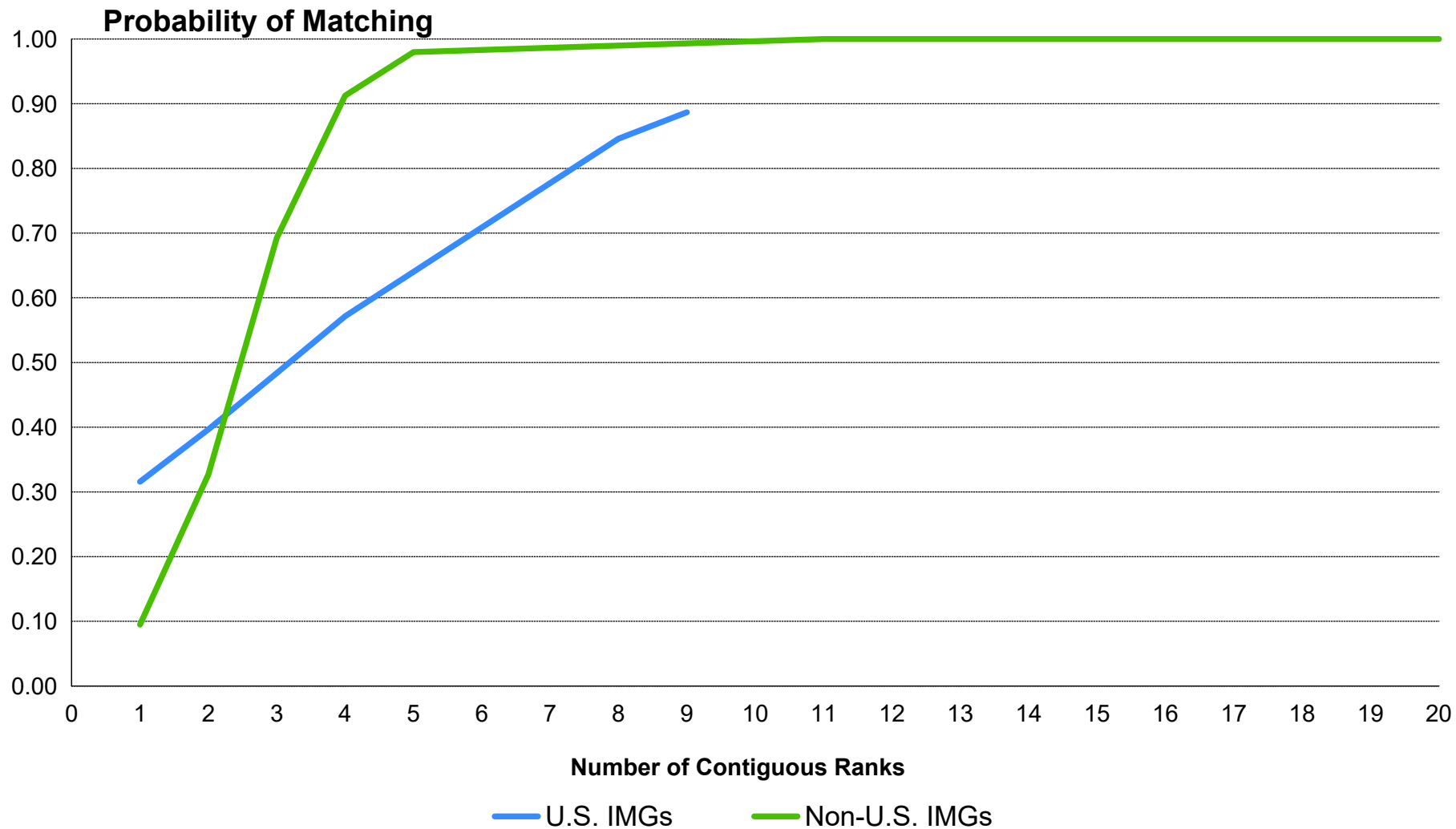
**Non-U.S. IMGs**



Source: NRMP Data Warehouse

**Graph  
IR-1**

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

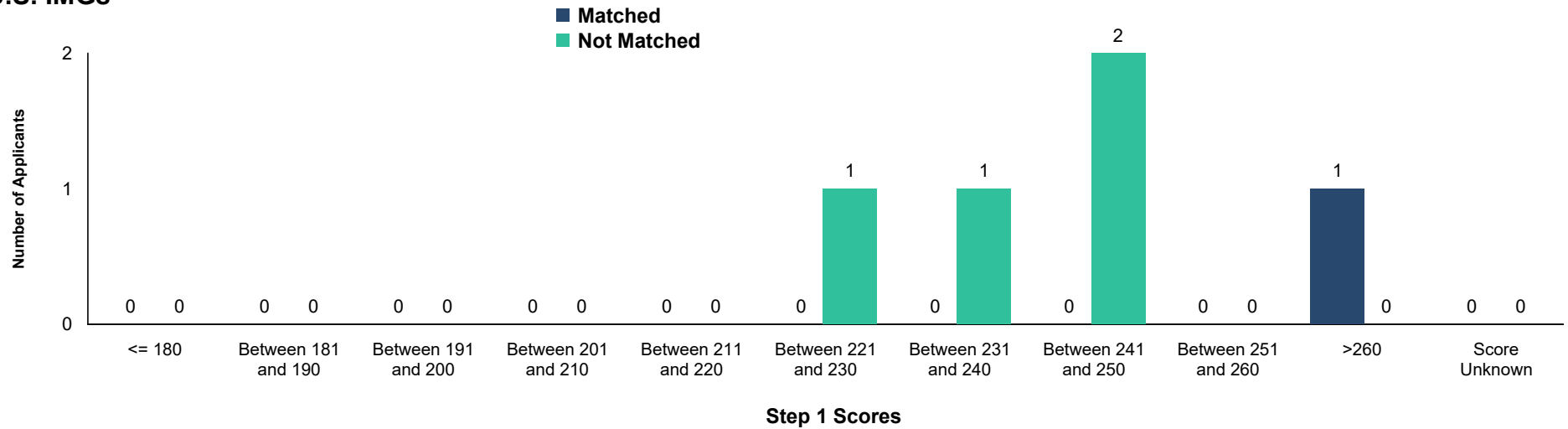


Source: NRMP Data Warehouse. Note: Probabilities calculated based on 2020-2022 applicants

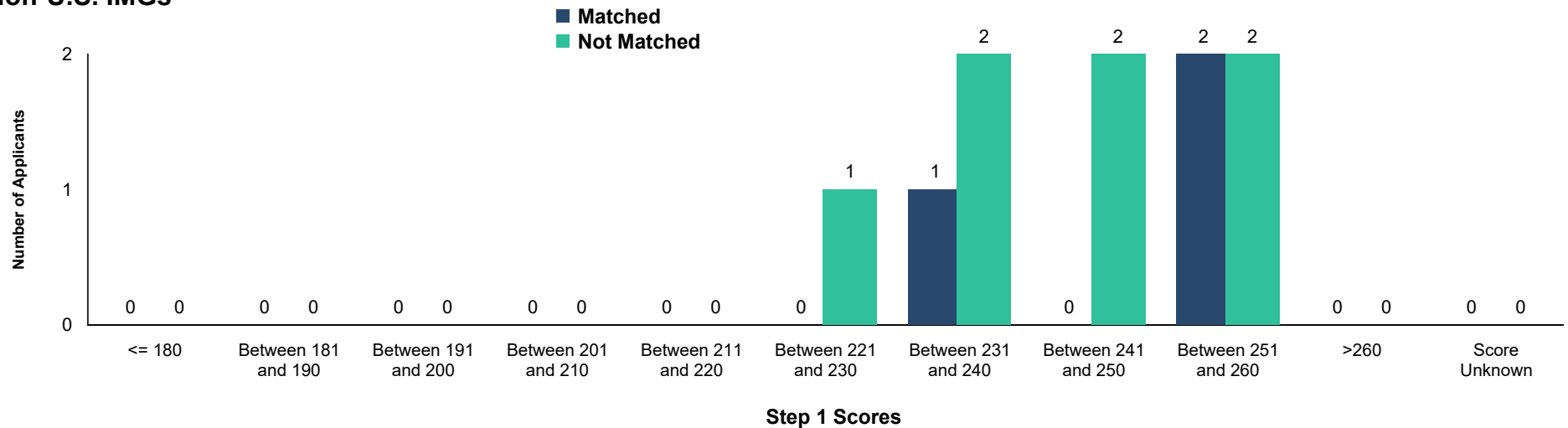
**Chart  
IR-3**

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

**U.S. IMGs**



**Non-U.S. IMGs**

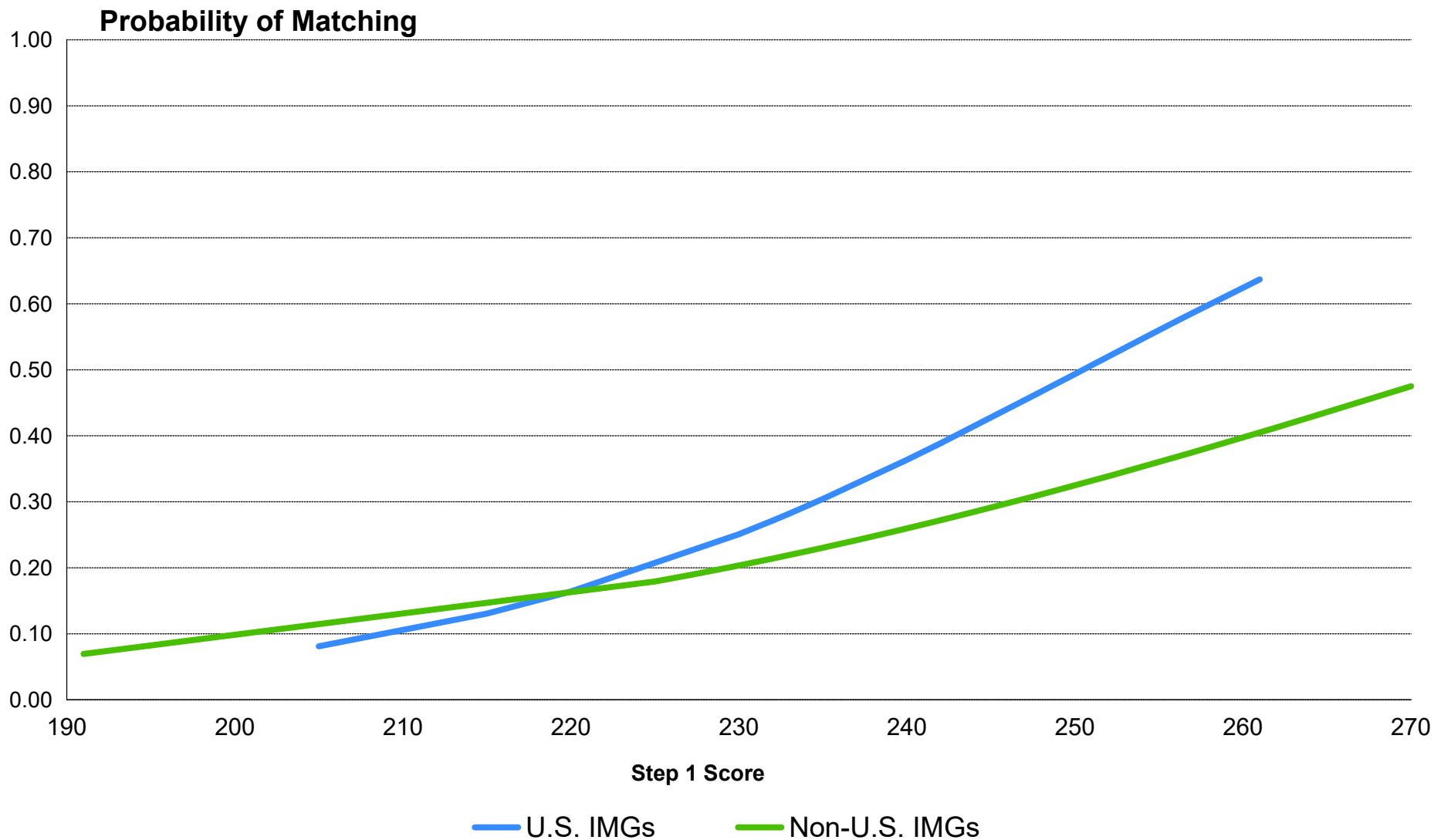


Source: NRMP Data Warehouse



**Graph  
IR-2**

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

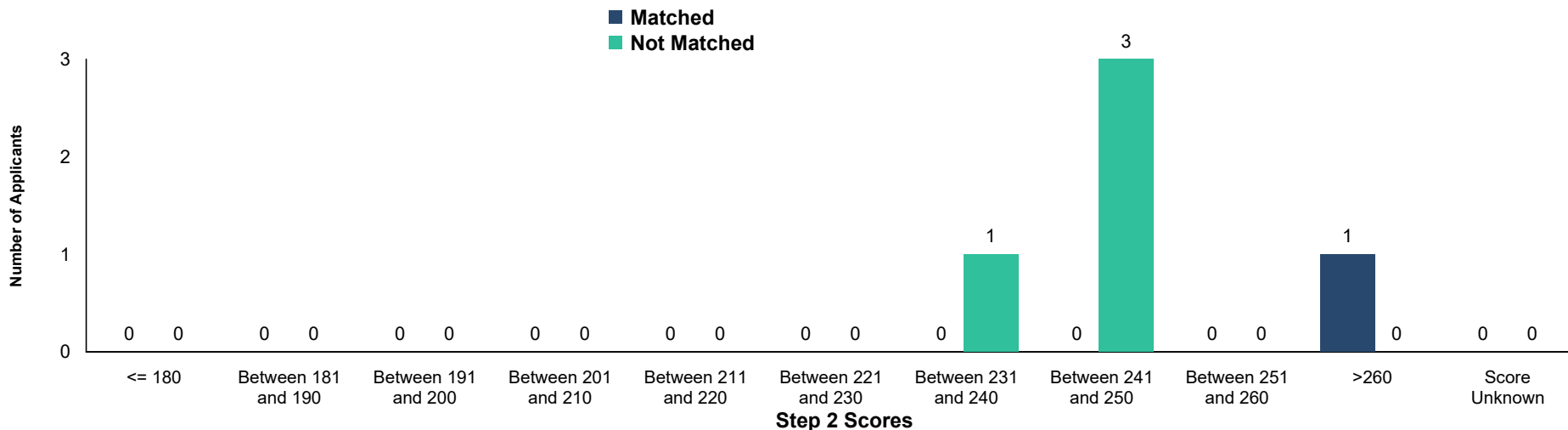


Source: NRMP Data Warehouse. Note: Probabilities calculated based on 2020-2022 applicants.

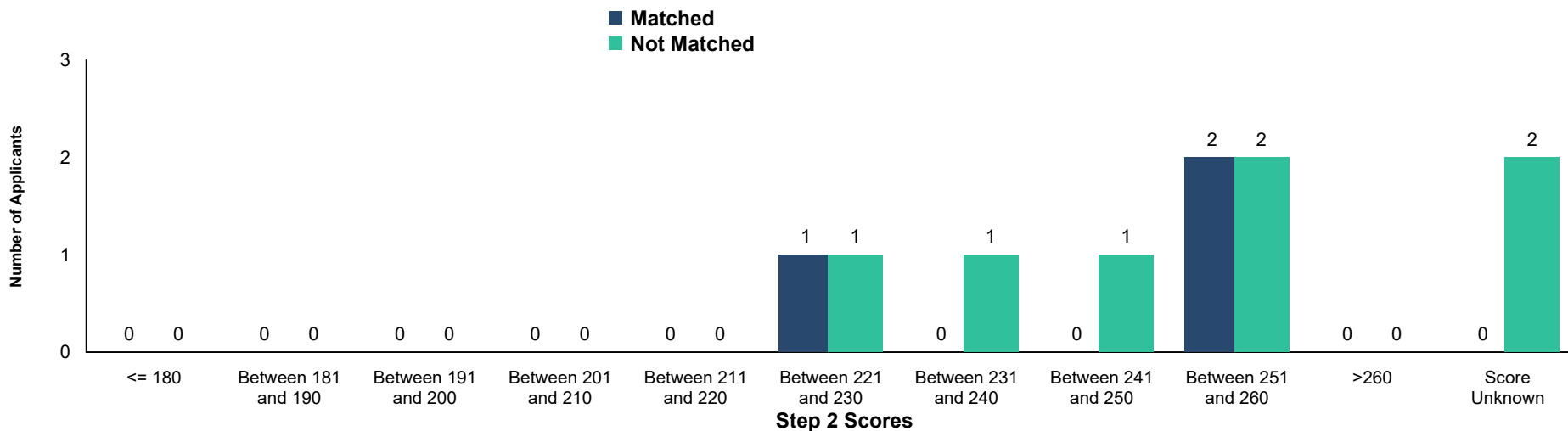
**Chart  
IR-4**

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

**U.S. IMGs**



**Non-U.S. IMGs**

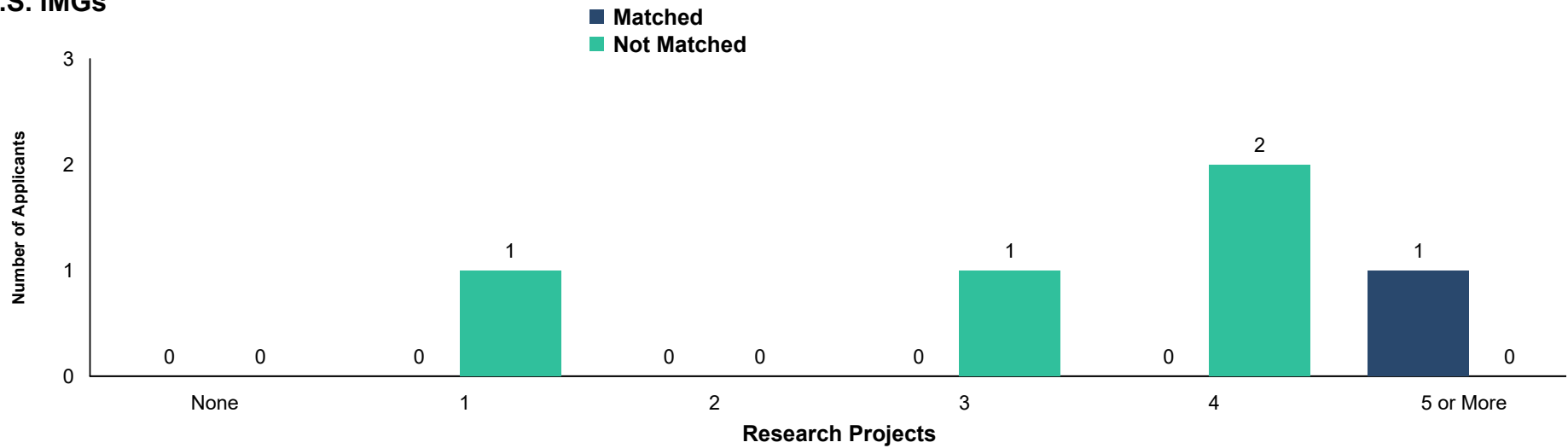


Source: NRMP Data Warehouse

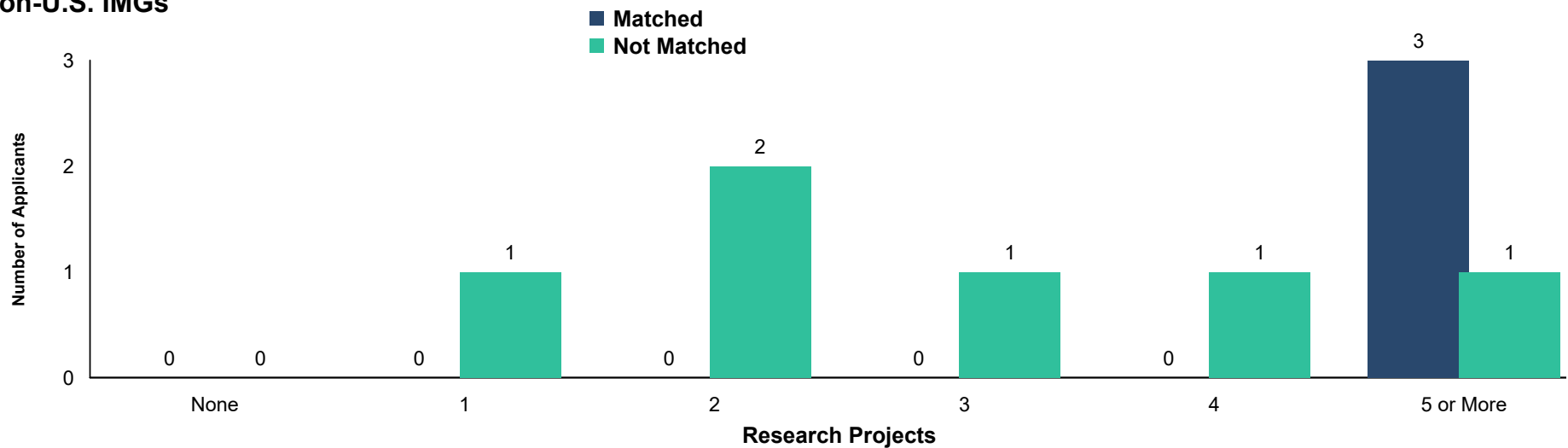
**Chart  
IR-5**

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

**U.S. IMGs**



**Non-U.S. IMGs**

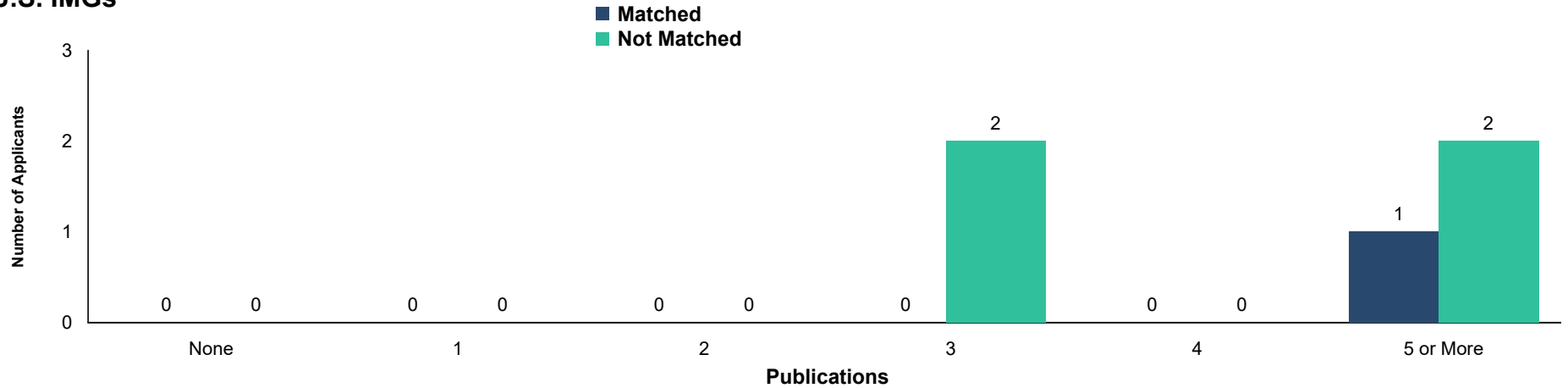


Source: NRMP Data Warehouse

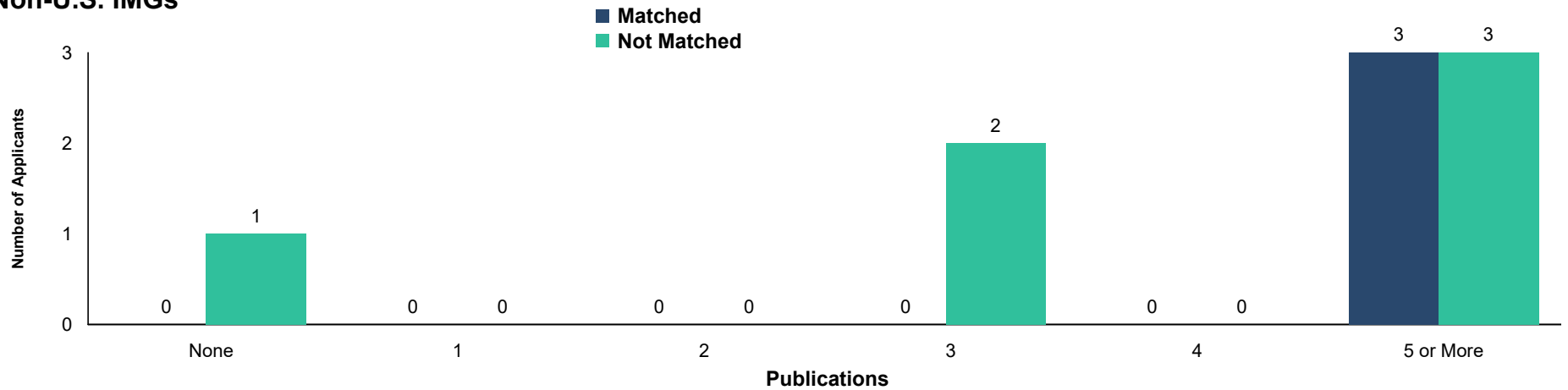
**Chart  
IR-6**

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

**U.S. IMGs**



**Non-U.S. IMGs**

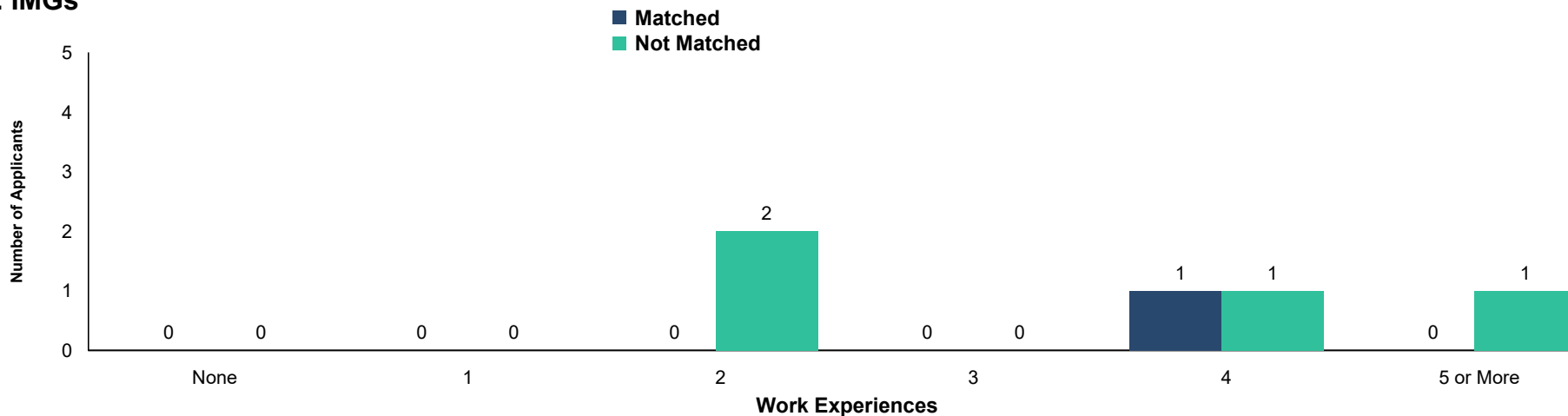


Source: NRMP Data Warehouse

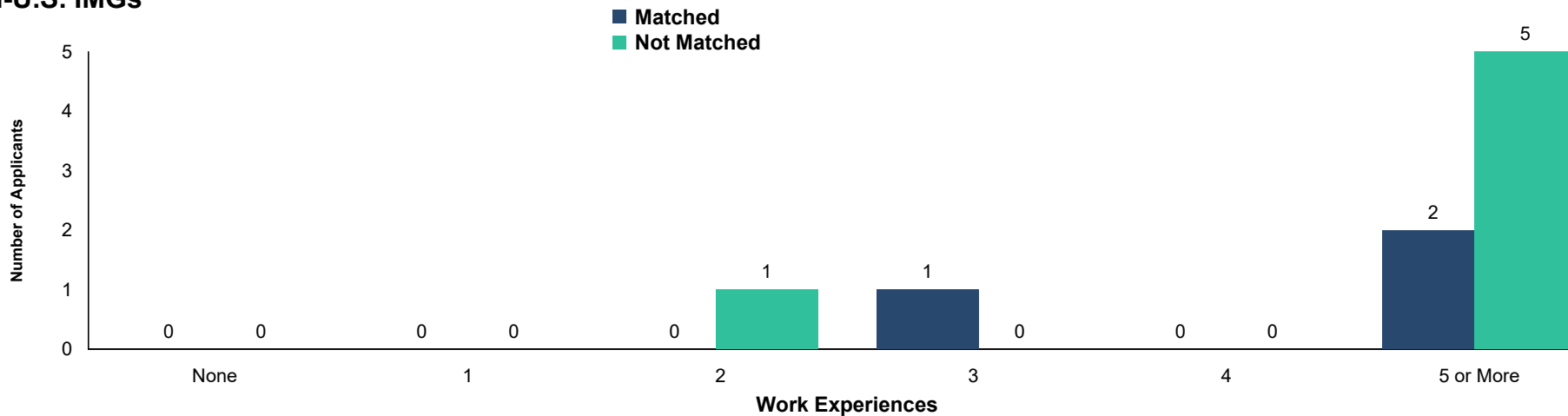
**Chart  
IR-7**

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

**U.S. IMGs**



**Non-U.S. IMGs**

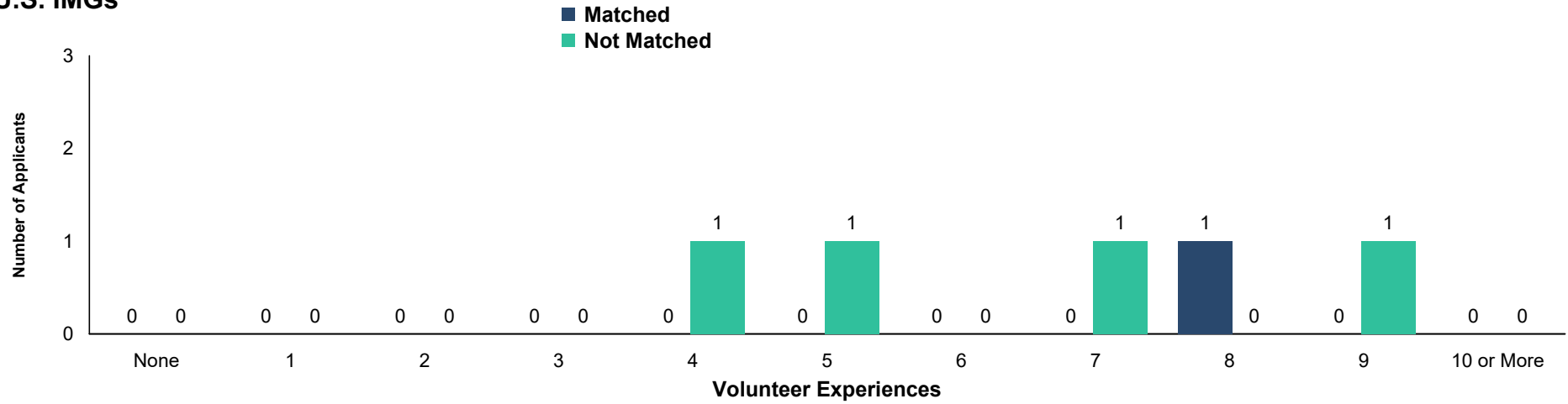


Source: NRMP Data Warehouse

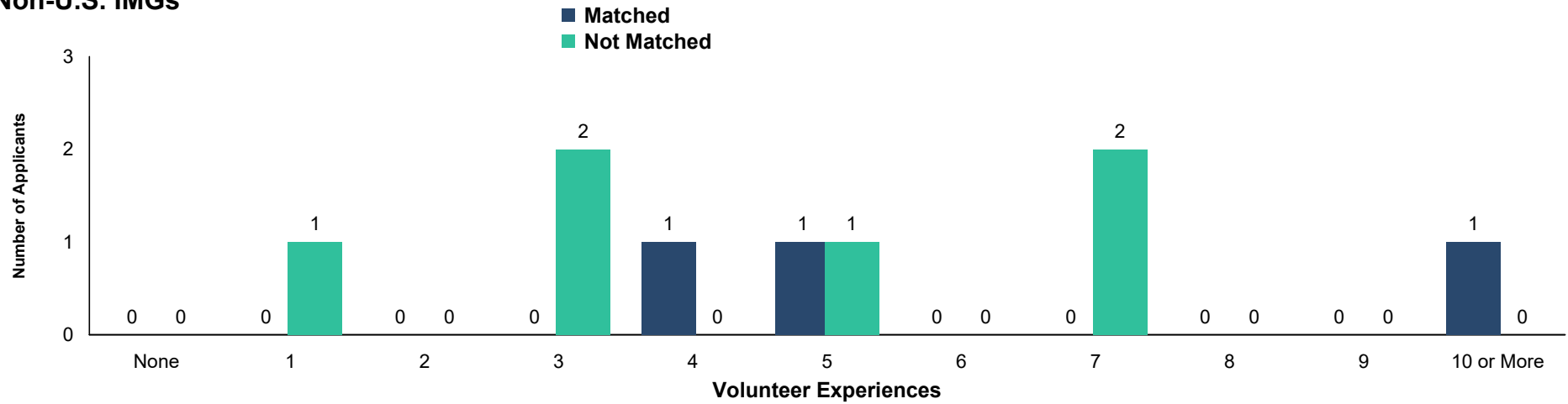
**Chart  
IR-8**

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

**U.S. IMGs**



**Non-U.S. IMGs**



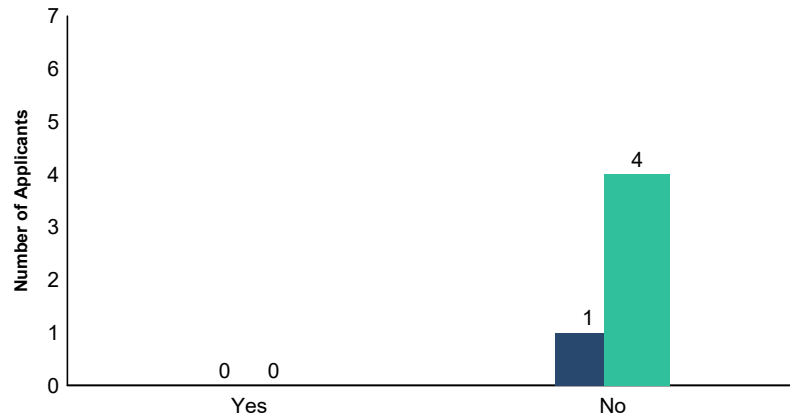
Source: NRMP Data Warehouse

**Chart  
IR-9**

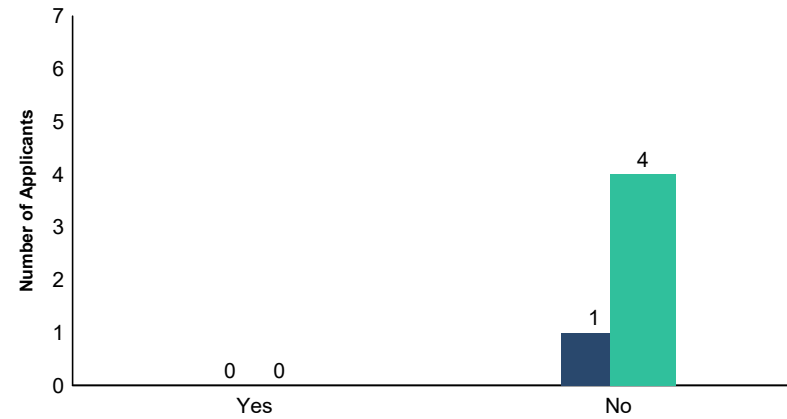
**Other Characteristics of International Medical Graduates**  
*Interventional Radiology*

**U.S. IMGs**

**Ph.D. Degree**

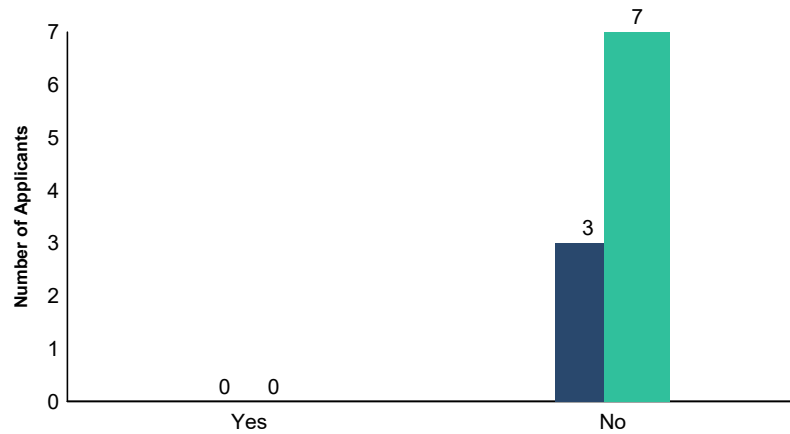


**Other Graduate Degree**

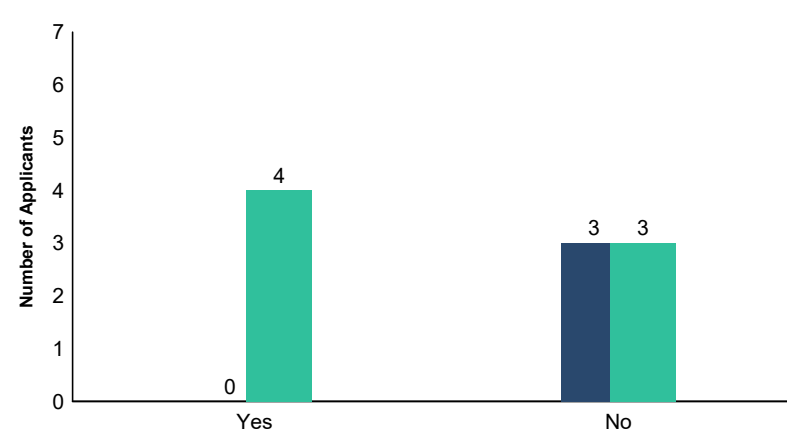


**Non-U.S. IMGs**

**Ph.D. Degree**



**Other Graduate Degree**



Source: NRMP Data Warehouse

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**NS** Neurological Surgery



**Table NS-1** **Summary Statistics**  
**Neurological Surgery**

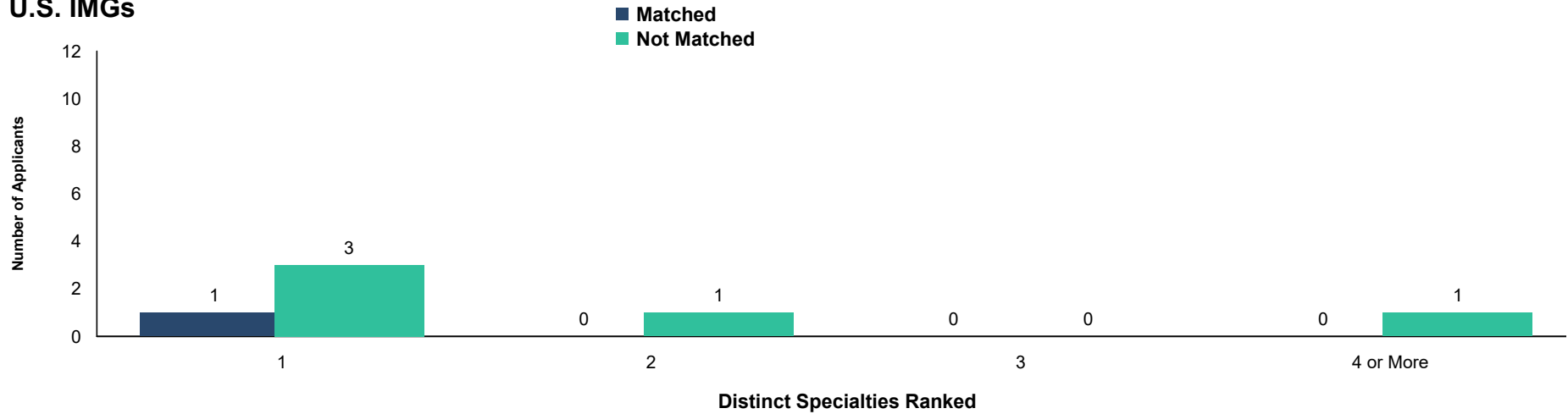
Measure	U.S. IMGs		Non-U.S. IMGs	
	Matched (n=1)	Unmatched (n=5)	Matched (n=13)	Unmatched (n=18)
1. Mean number of contiguous ranks	5.0	2.8	8.1	3.9
2. Mean number of distinct specialties ranked	1.0	1.8	1.3	1.6
3. Mean USMLE Step 1 score		217	246	239
4. Mean USMLE Step 2 score		228	247	240
5. Mean number of research experiences		3.5	4.3	4.8
6. Mean number of abstracts, presentations, and publications		11.8	73.8	52.1
7. Mean number of work experiences		3.8	5.6	6.3
8. Mean number of volunteer experiences		5.5	6.9	4.8
9. Percentage who have a Ph.D. degree		0.0	27.3	0.0
10. Percentage who have another graduate degree		40.0	18.2	41.2

Note: Only applicants who gave consent to use their information in research are included. Data on measures other than number of contiguous ranks and number of distinct specialties ranked were not reported for matched U.S. IMGs.  
Source: NRMP Data Warehouse

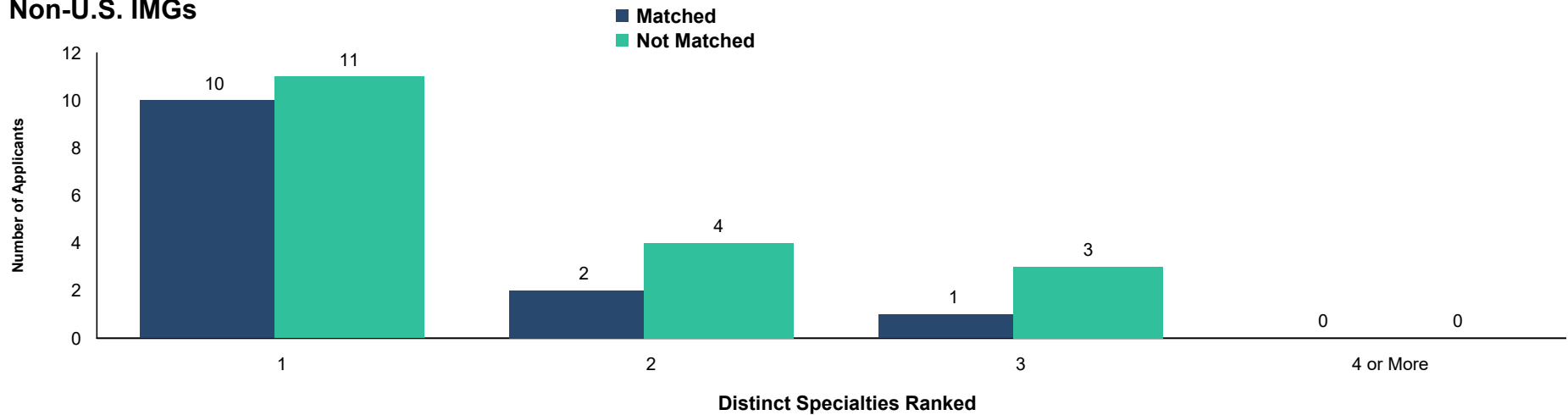
**Chart  
NS-1**

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

## U.S. IMGs



## Non-U.S. IMGs

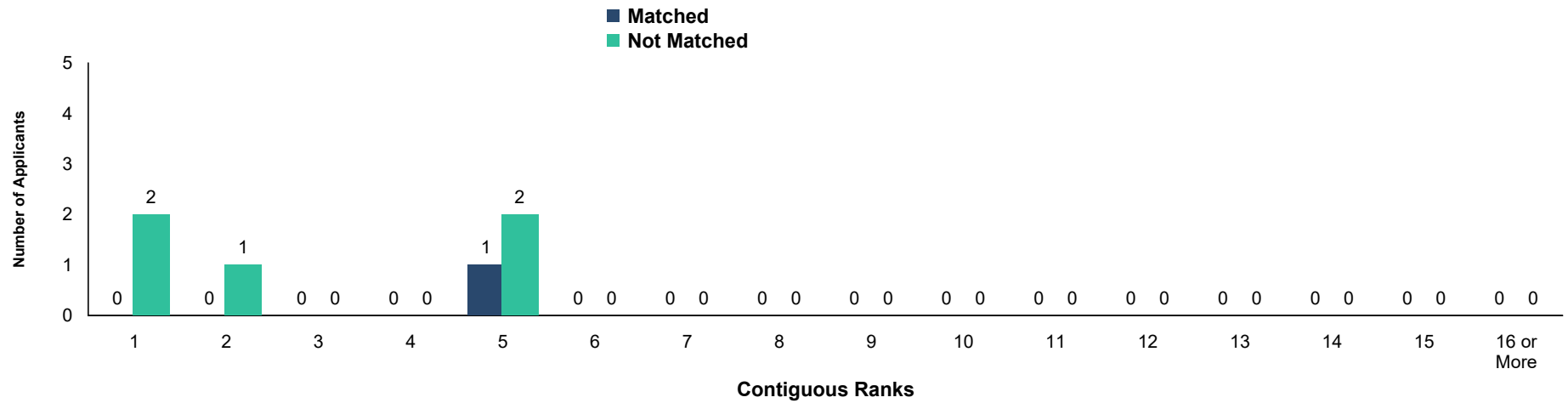


Source: NRMP Data Warehouse

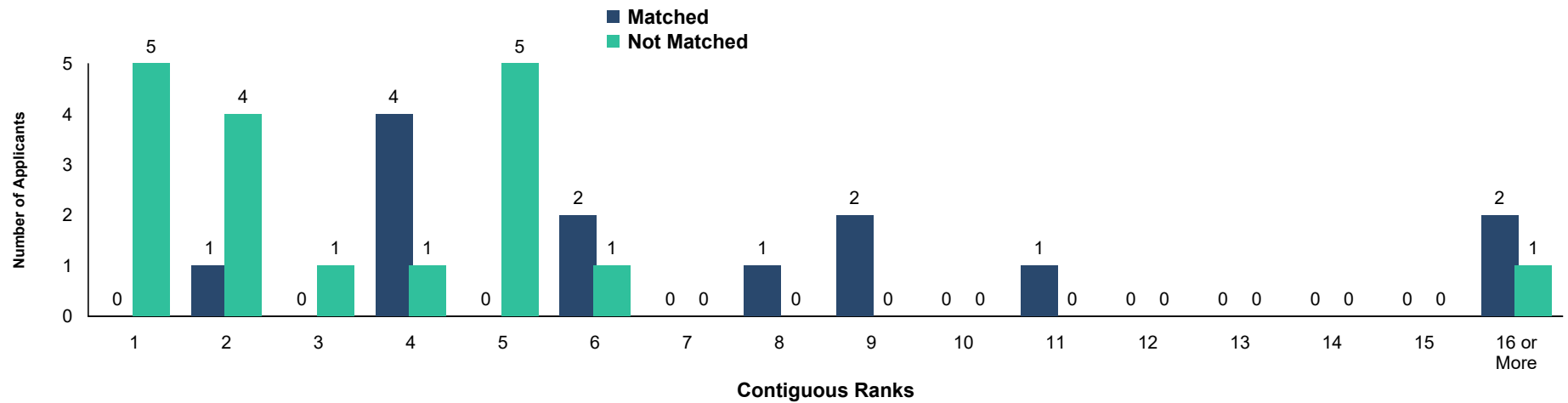
**Chart  
NS-2**

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

**U.S. IMGs**



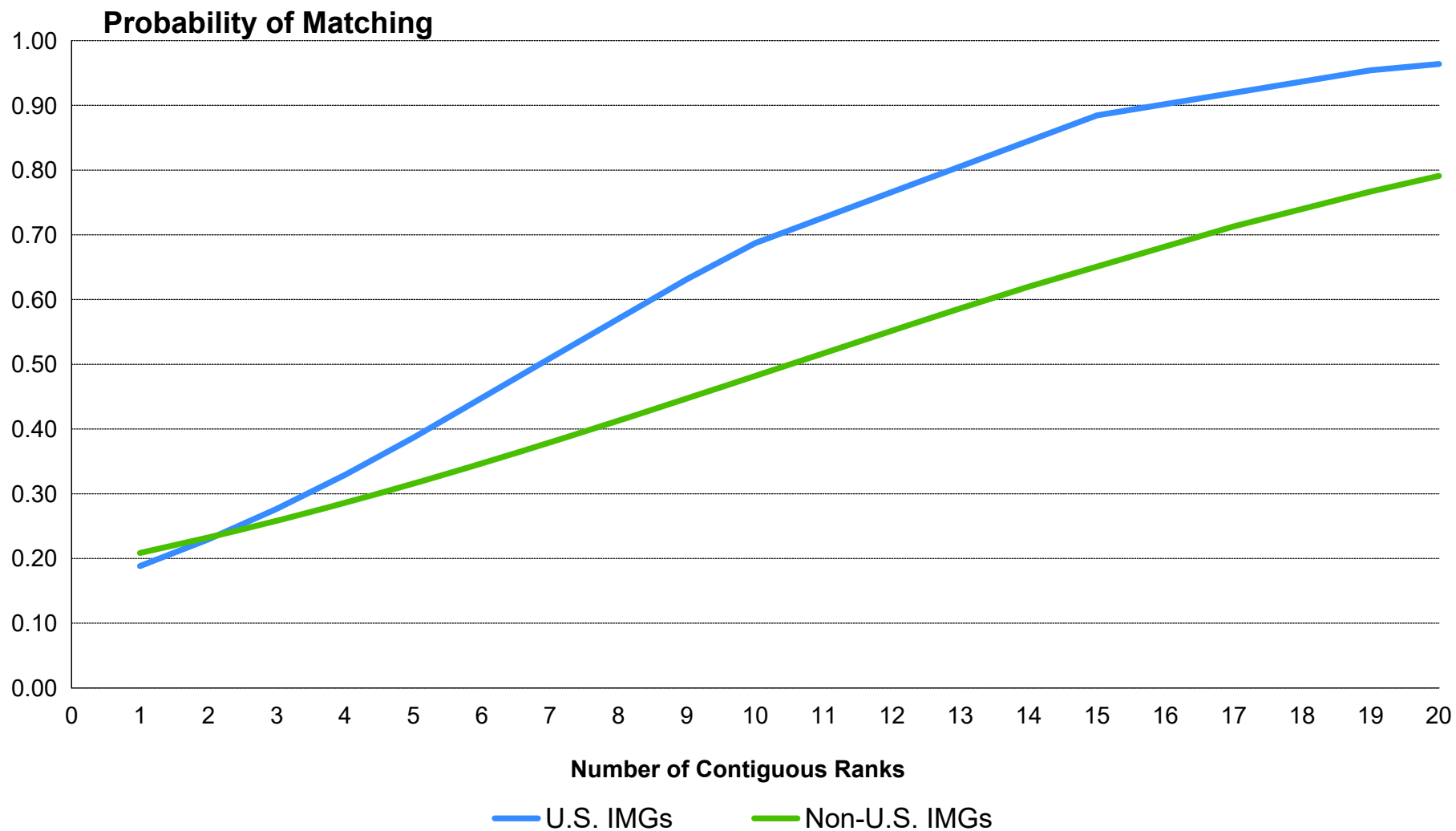
**Non-U.S. IMGs**



Source: NRMP Data Warehouse

**Graph  
NS-1**

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

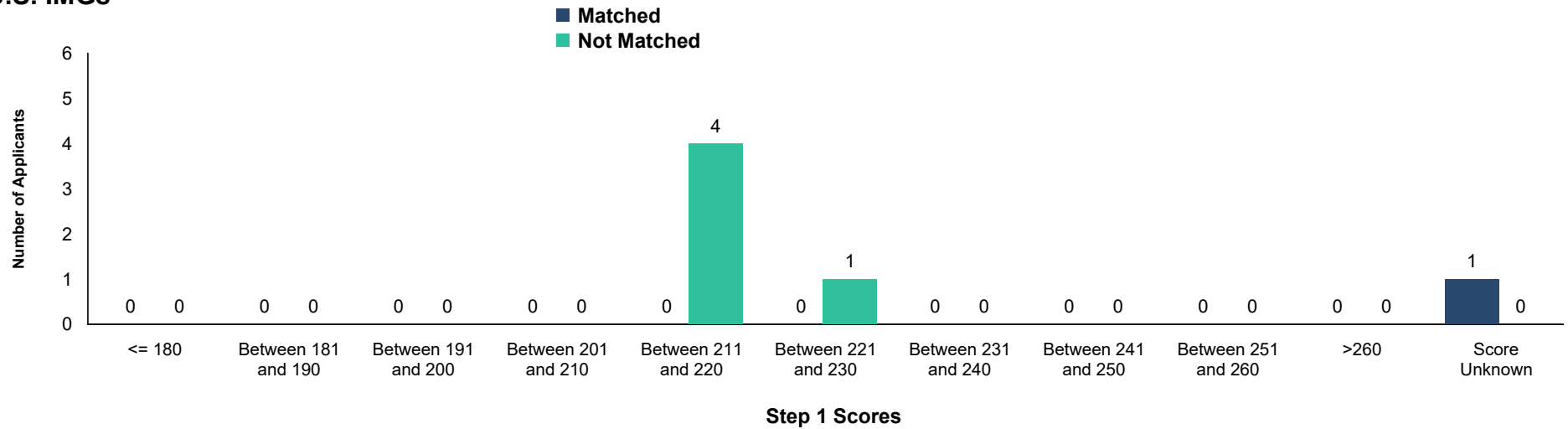


Source: NRMP Data Warehouse. Note: Probabilities calculated based on 2020-2022 applicants

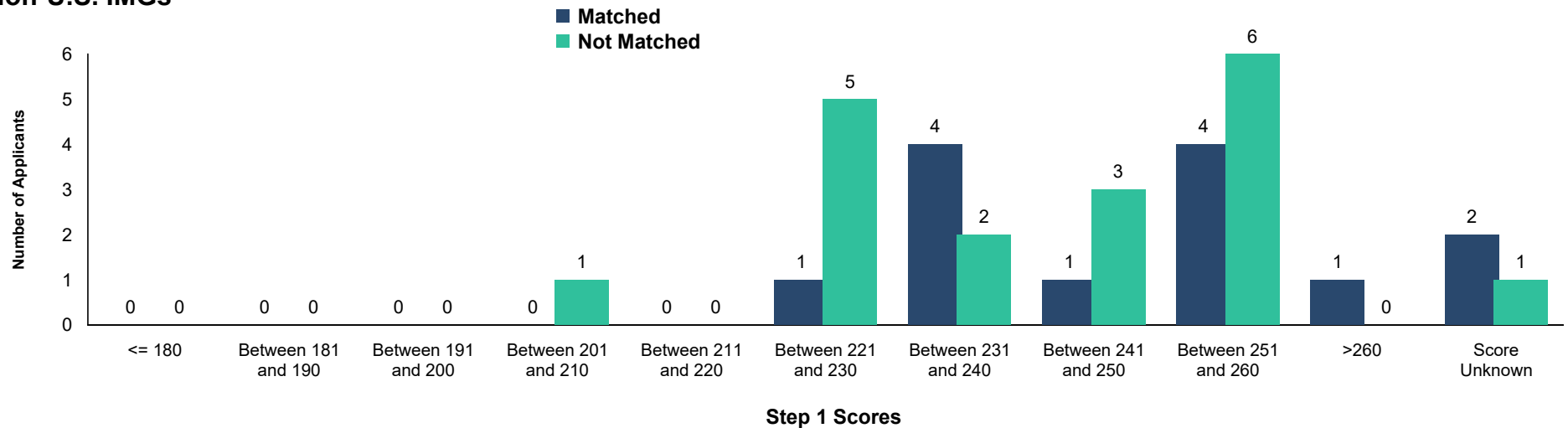
**Chart  
NS-3**

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

**U.S. IMGs**



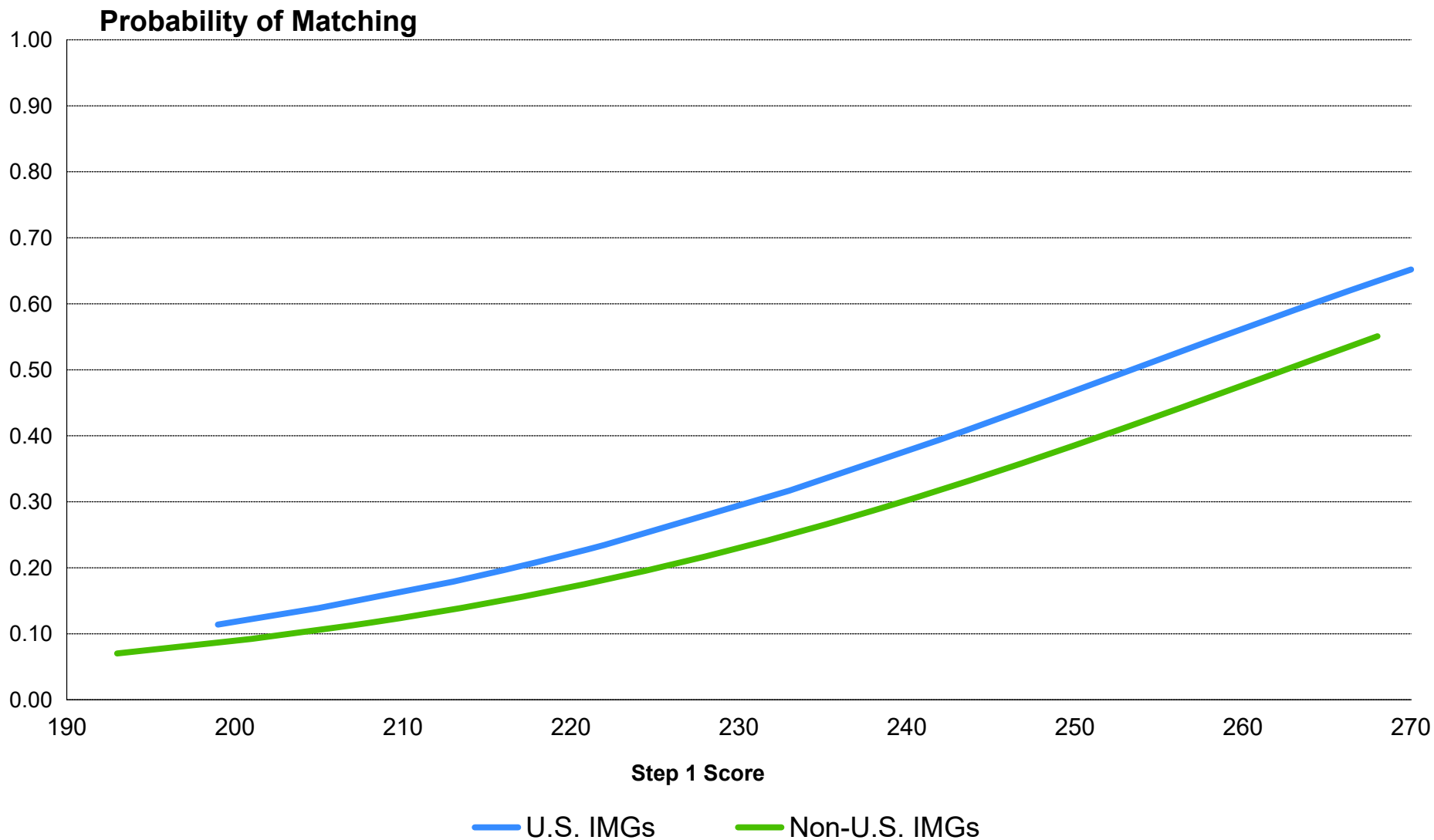
**Non-U.S. IMGs**



Source: NRMP Data Warehouse

**Graph  
NS-2**

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

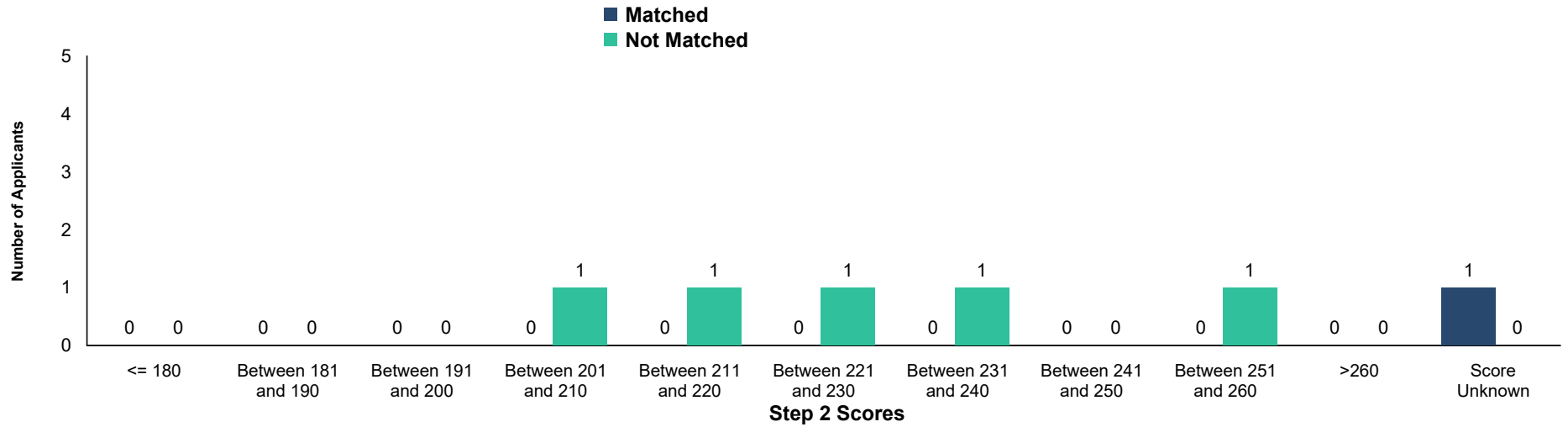


Source: NRMP Data Warehouse. Note: Probabilities calculated based on 2020-2022 applicants.

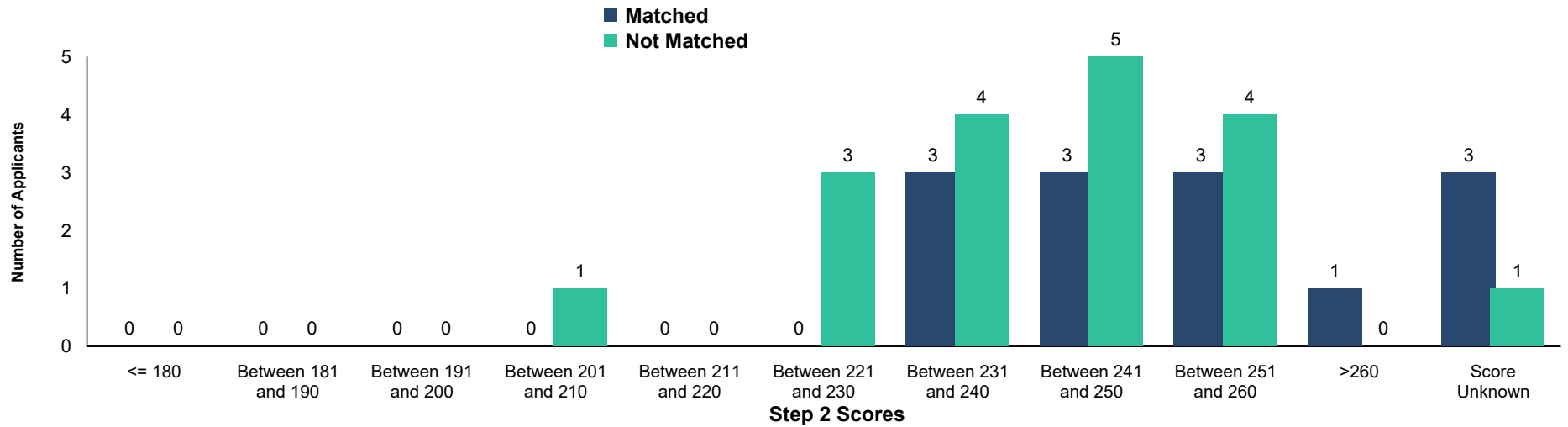
**Chart  
NS-4**

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

**U.S. IMGs**



**Non-U.S. IMGs**

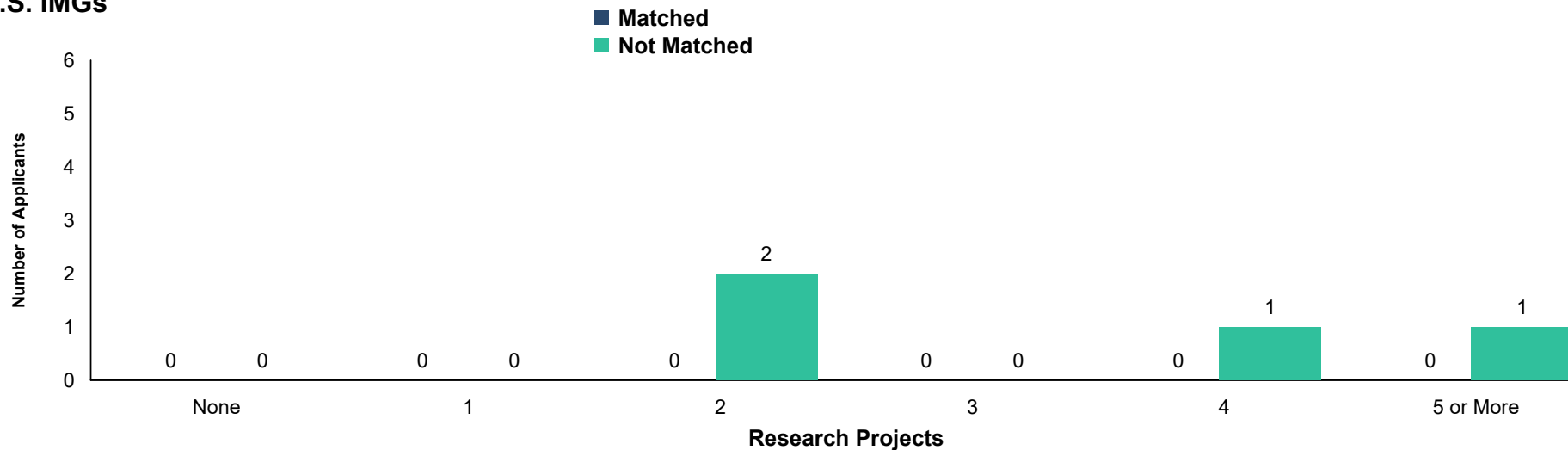


Source: NRMP Data Warehouse

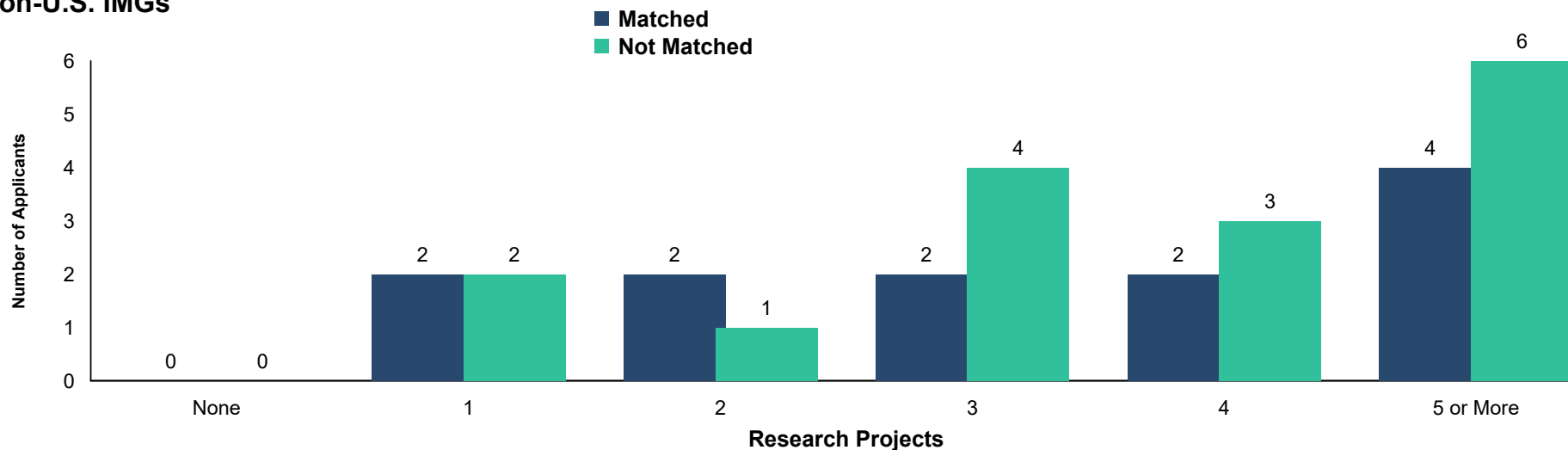
**Chart  
NS-5**

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

**U.S. IMGs**



**Non-U.S. IMGs**



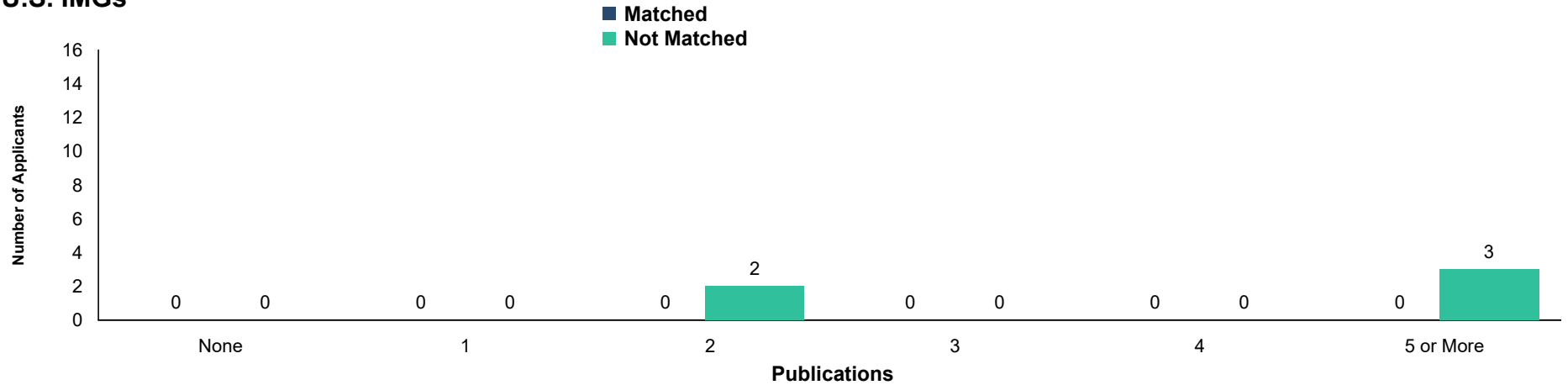
Source: NRMP Data Warehouse



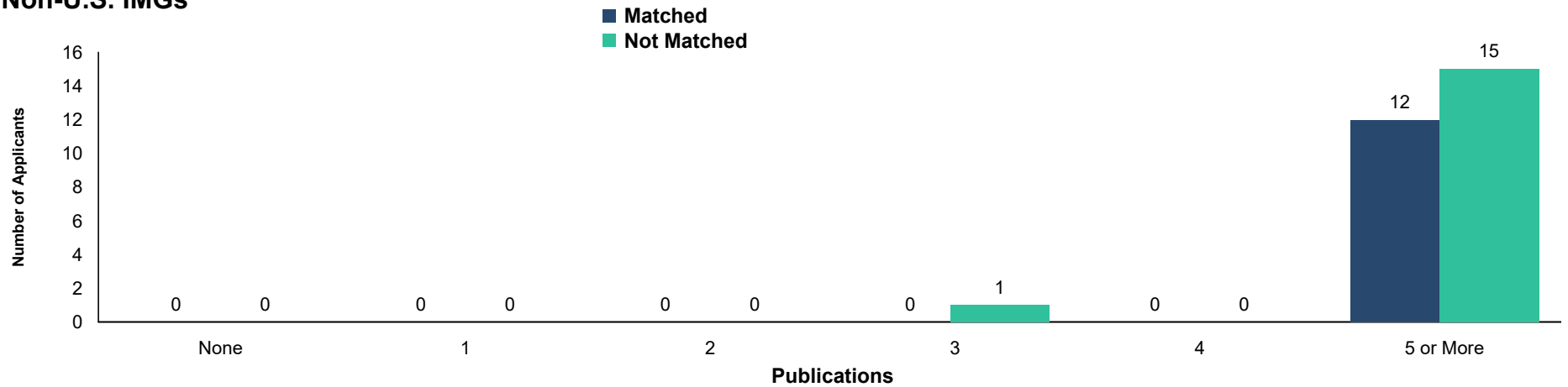
**Chart  
NS-6**

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

**U.S. IMGs**



**Non-U.S. IMGs**

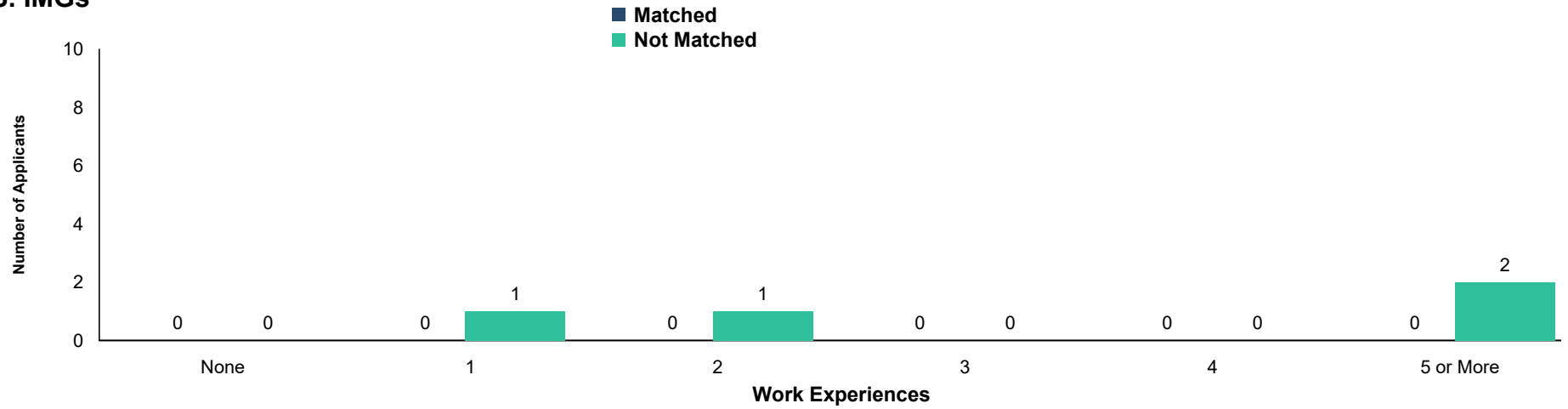


Source: NRMP Data Warehouse

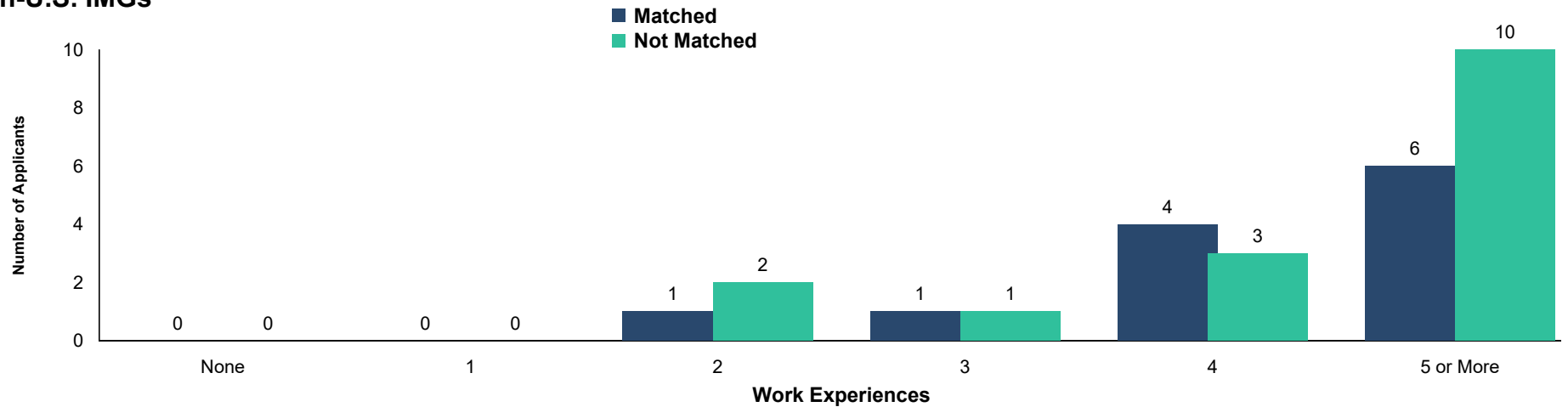
**Chart  
NS-7**

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

**U.S. IMGs**



**Non-U.S. IMGs**

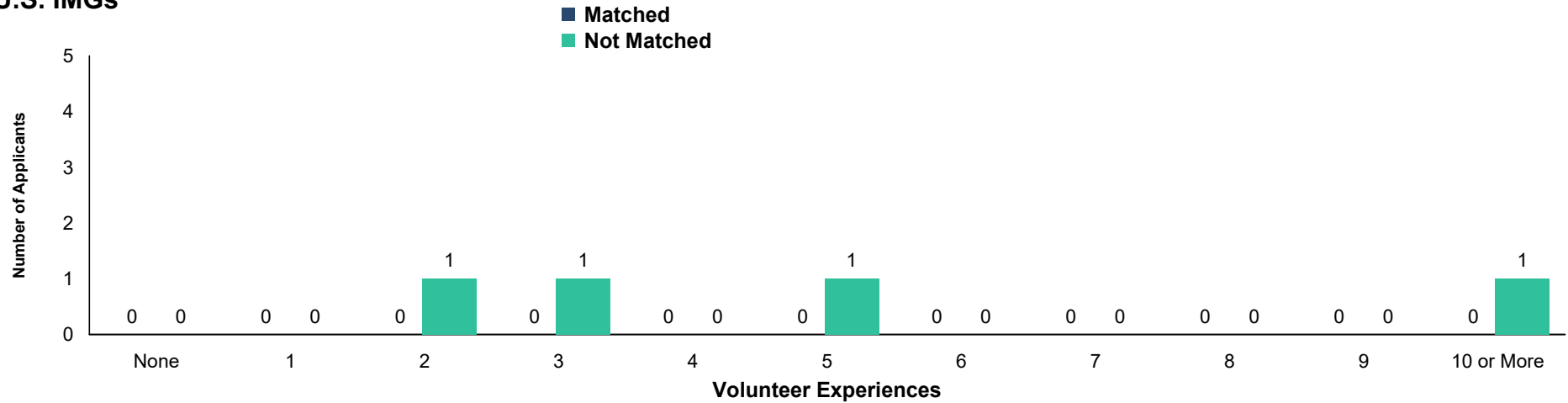


Source: NRMP Data Warehouse

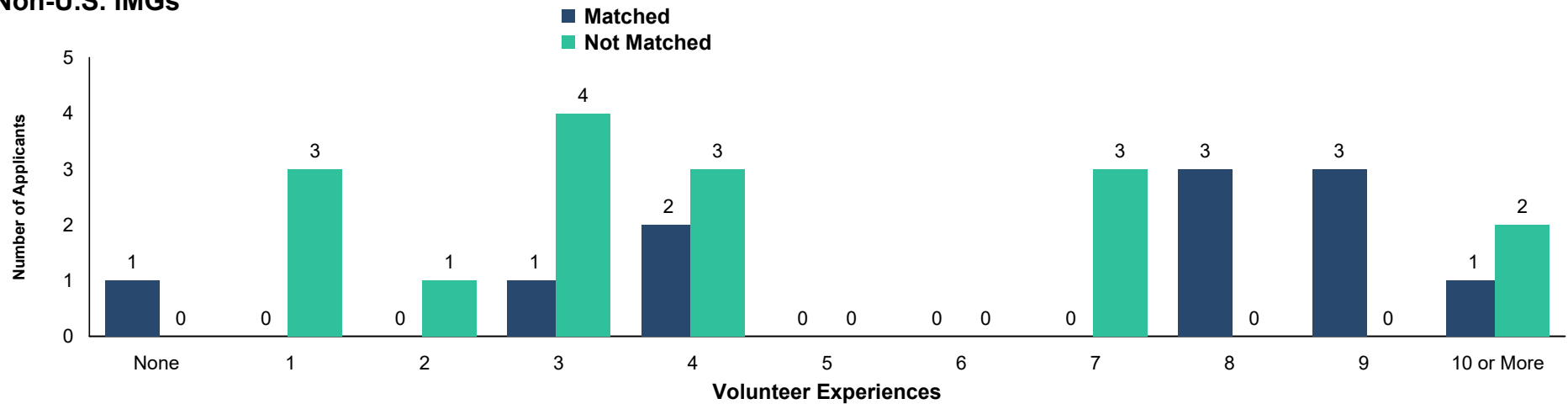
**Chart  
NS-8**

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

**U.S. IMGs**



**Non-U.S. IMGs**



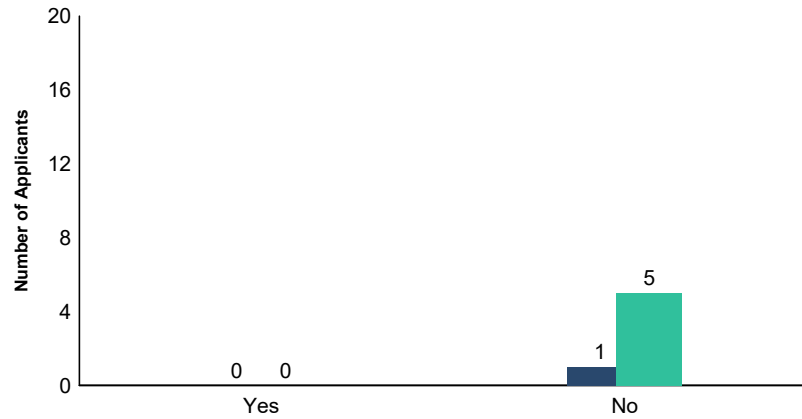
Source: NRMP Data Warehouse

**Chart  
NS-9**

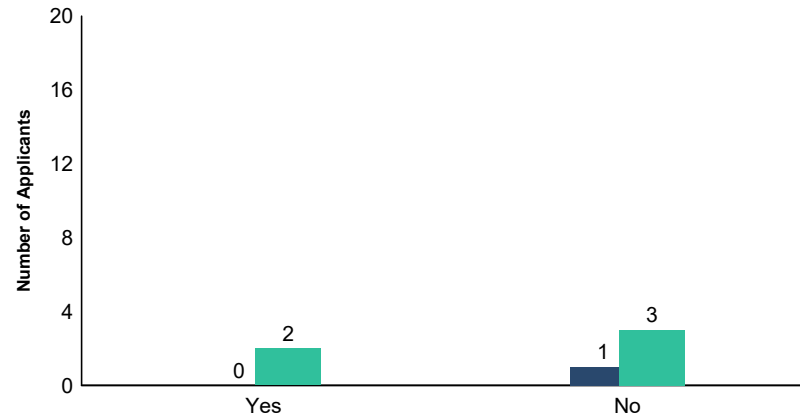
**Other Characteristics of International Medical Graduates  
Neurological Surgery**

**U.S. IMGs**

**Ph.D. Degree**

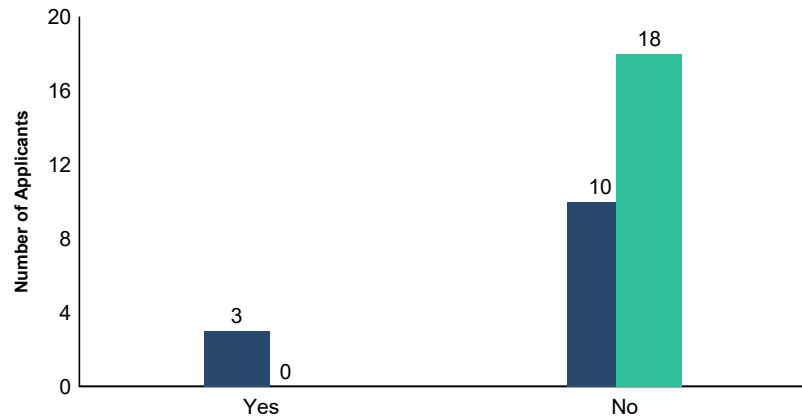


**Other Graduate Degree**

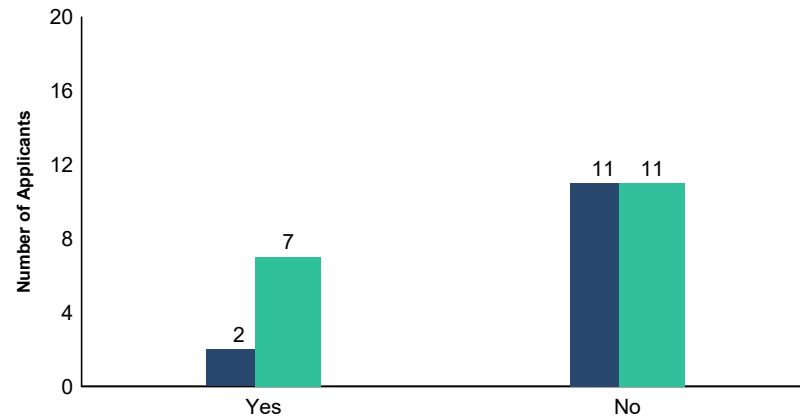


**Non-U.S. IMGs**

**Ph.D. Degree**



**Other Graduate Degree**



Source: NRMP Data Warehouse

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**N** **Neurology**

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

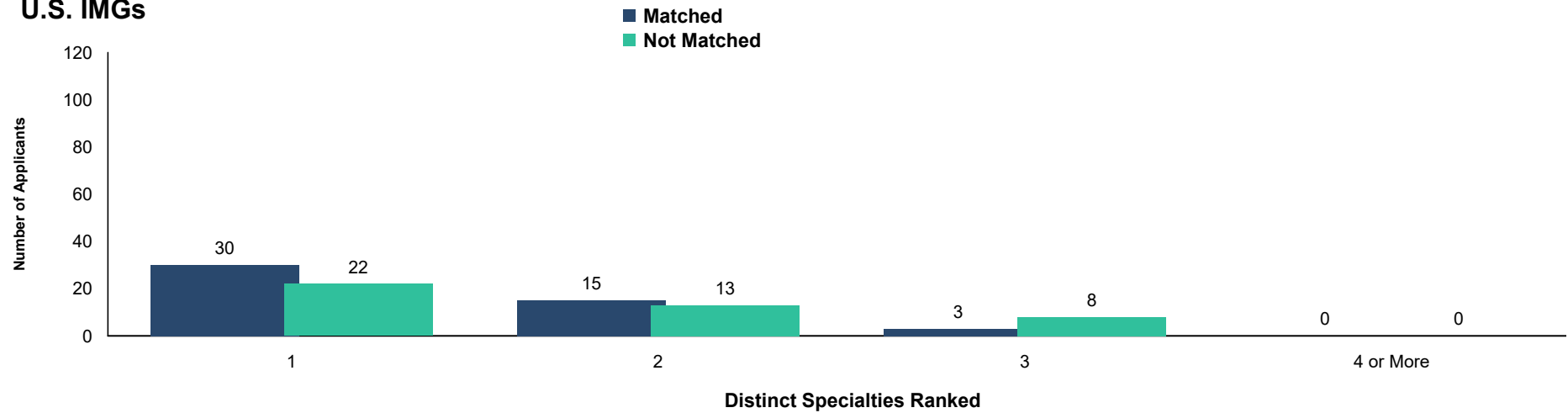
Measure	U.S. IMGs		Non-U.S. IMGs	
	Matched (n=48)	Unmatched (n=44)	Matched (n=160)	Unmatched (n=146)
1. Mean number of contiguous ranks	8.3	2.8	8.5	2.3
2. Mean number of distinct specialties ranked	1.4	1.8	1.4	1.6
3. Mean USMLE Step 1 score	225	211	239	227
4. Mean USMLE Step 2 score	235	225	245	233
5. Mean number of research experiences	3.5	4.8	3.4	3.2
6. Mean number of abstracts, presentations, and publications	5.7	10.4	10.6	8.2
7. Mean number of work experiences	4.7	6.1	6.3	7.2
8. Mean number of volunteer experiences	5.6	3.5	4.3	4.3
9. Percentage who have a Ph.D. degree	2.1	5.1	5.9	3.6
10. Percentage who have another graduate degree	29.2	45.0	15.6	20.1

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

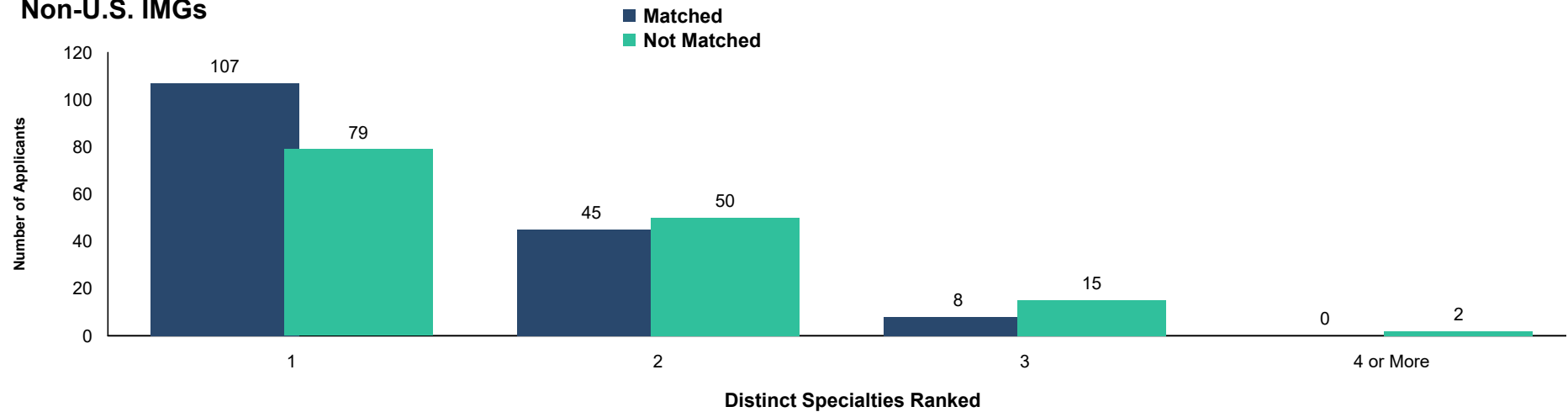
**Chart  
N-1**

# Number of Distinct Specialties Ranked by International Medical Graduates Neurology

## U.S. IMGs



## Non-U.S. IMGs

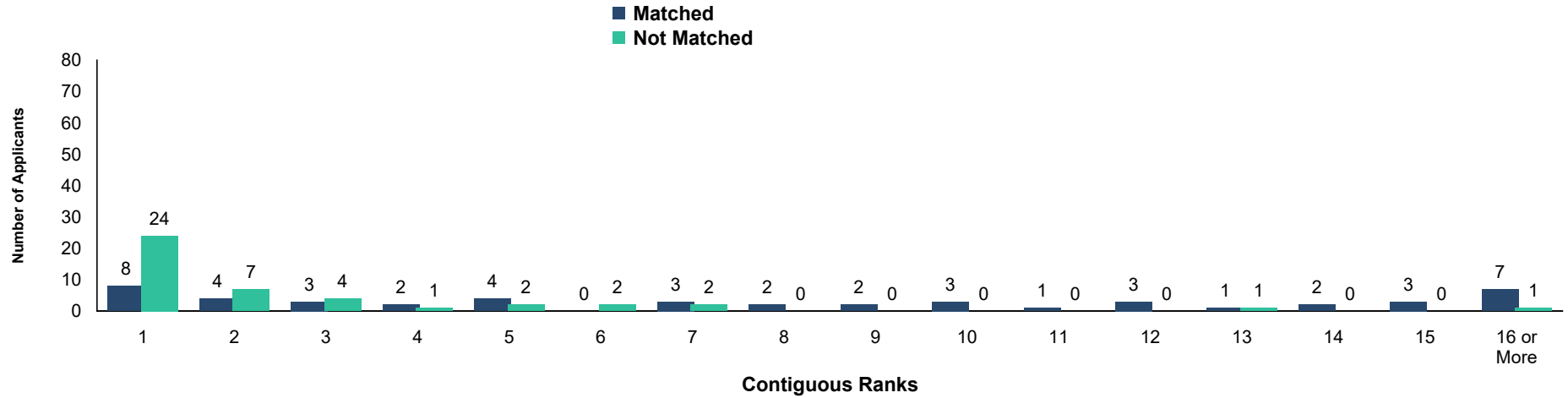


Source: NRMP Data Warehouse

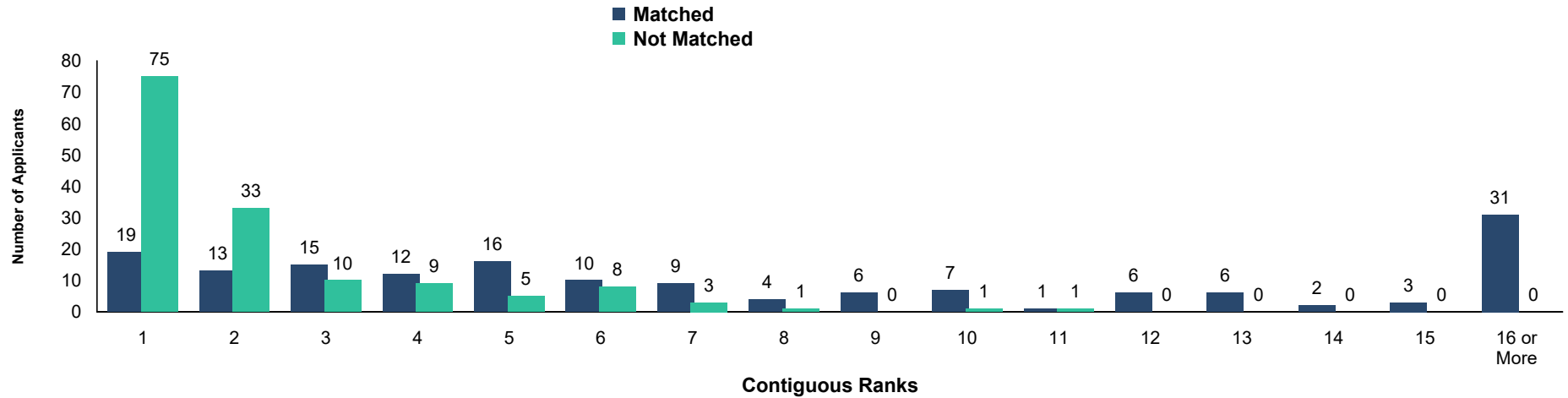
**Chart  
N-2**

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

**U.S. IMGs**



**Non-U.S. IMGs**

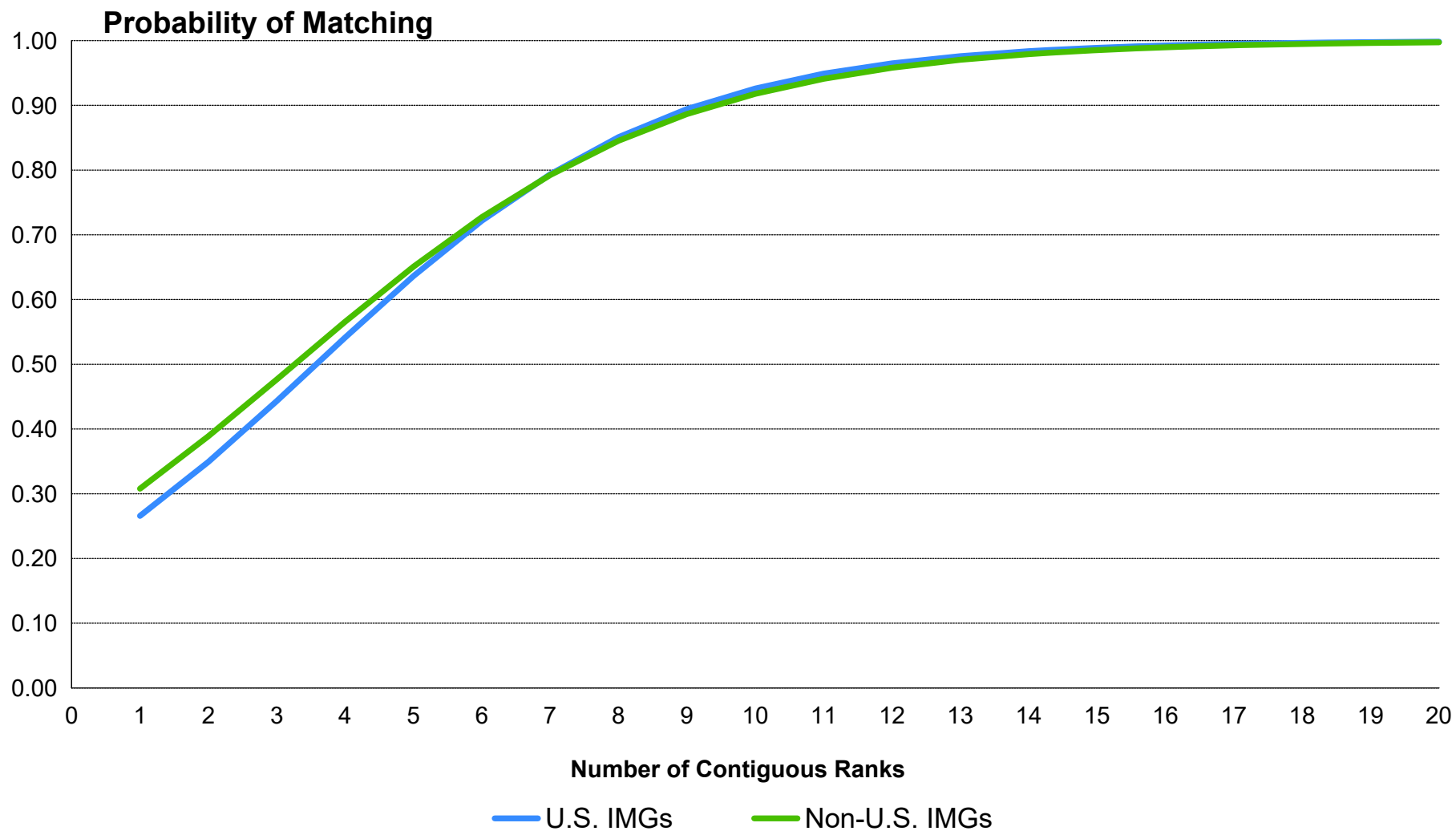


Source: NRMP Data Warehouse



**Graph  
N-1**

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

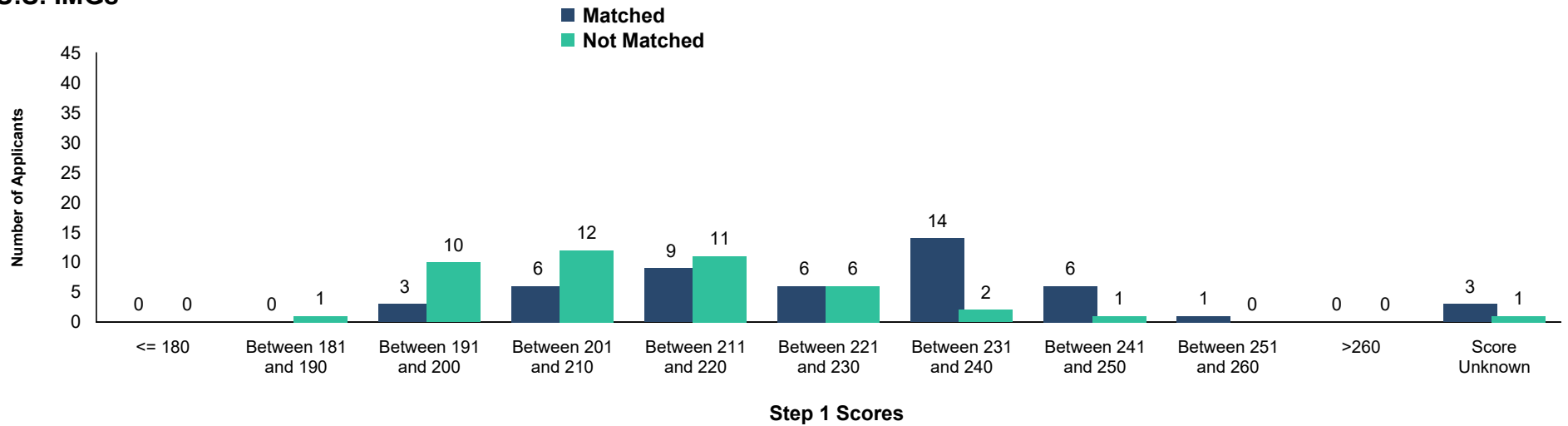


Source: NRMP Data Warehouse. Note: Probabilities calculated based on 2020-2022 applicants

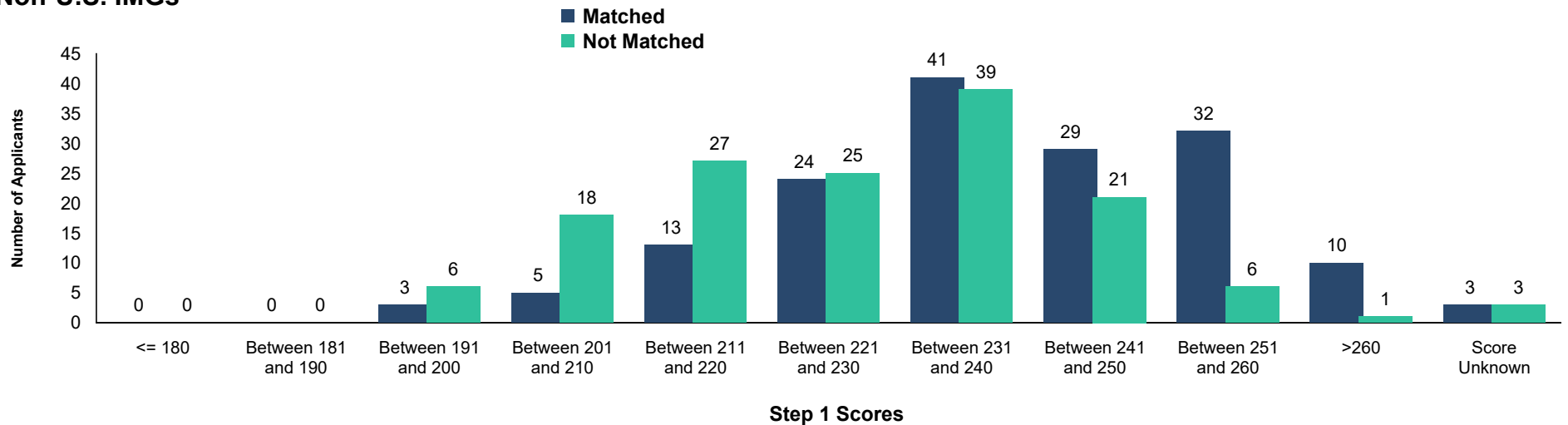
**Chart  
N-3**

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

**U.S. IMGs**



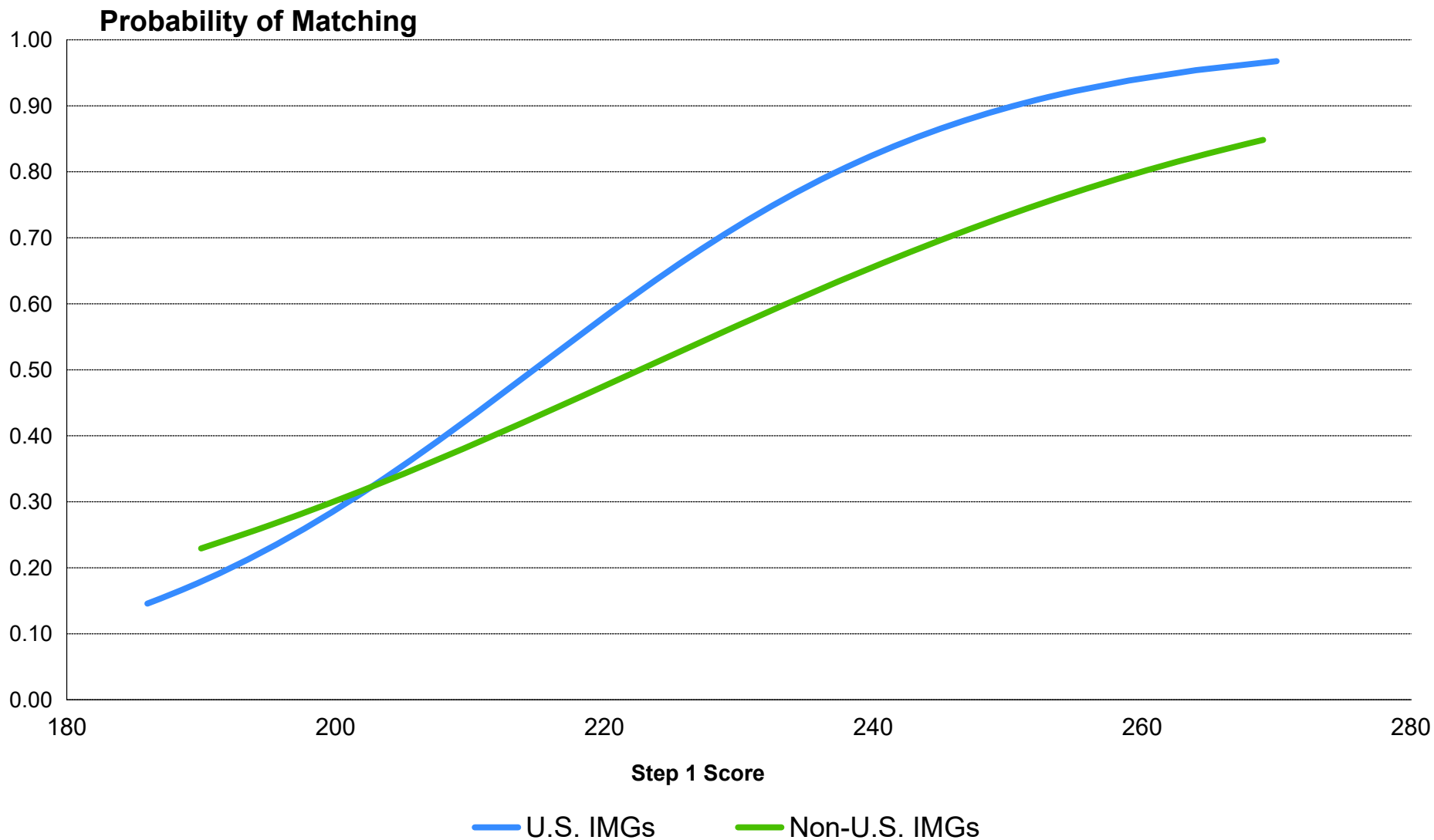
**Non-U.S. IMGs**



Source: NRMP Data Warehouse

**Graph  
N-2**

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

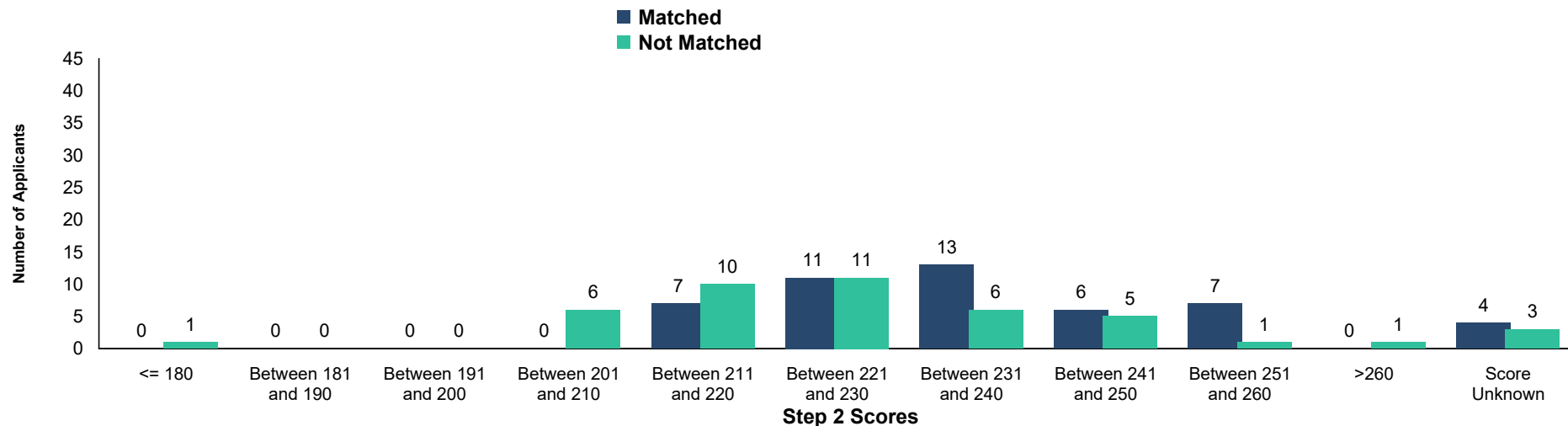


Source: NRMP Data Warehouse. Note: Probabilities calculated based on 2020-2022 applicants.

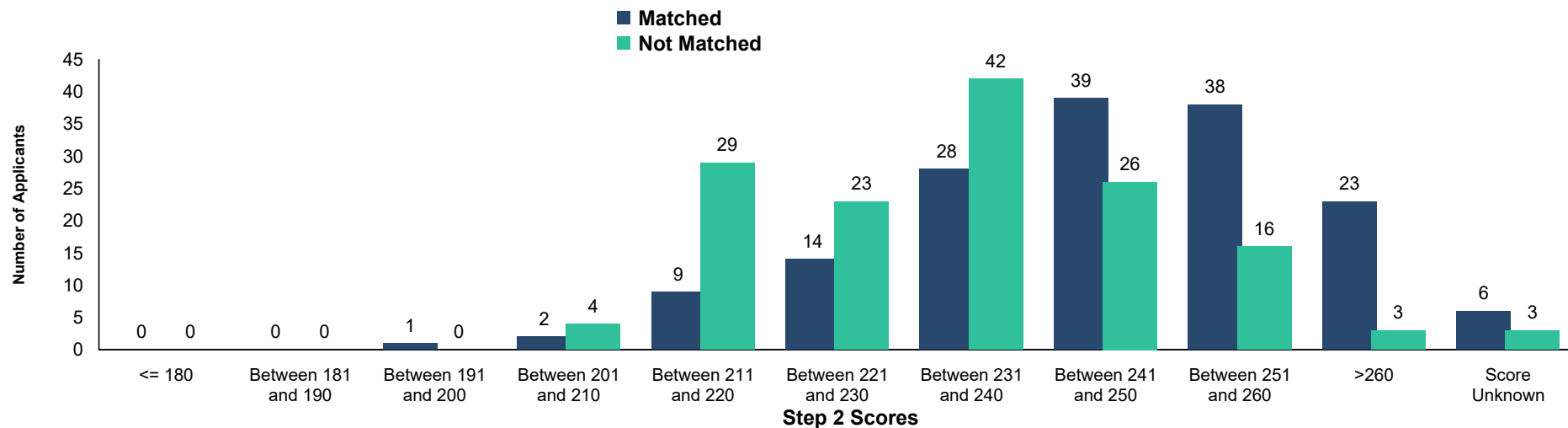
**Chart  
N-4**

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

**U.S. IMGs**



**Non-U.S. IMGs**

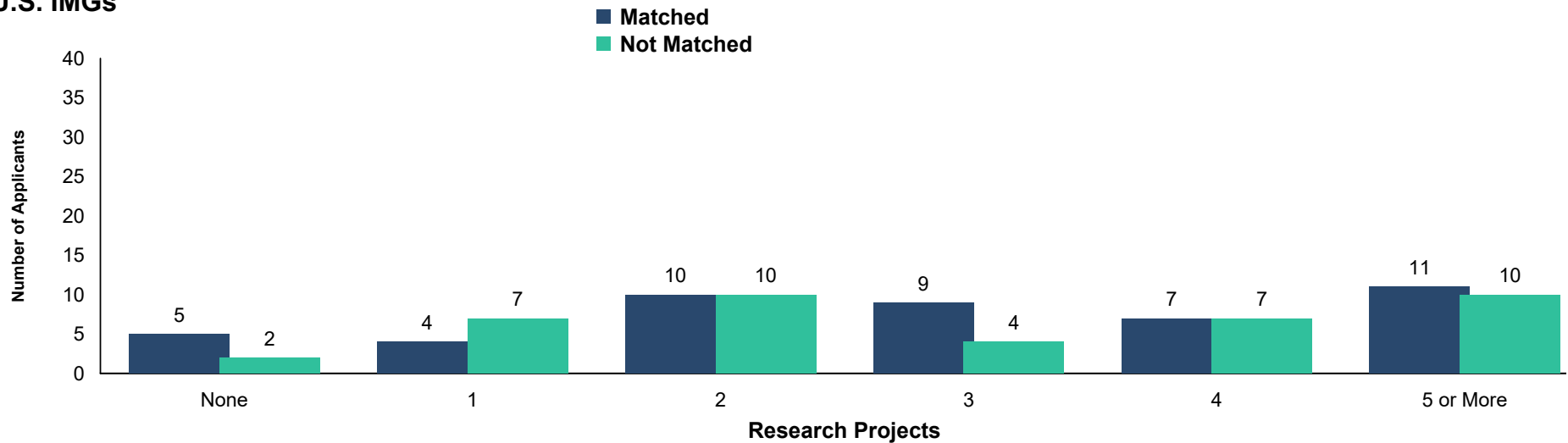


Source: NRMP Data Warehouse

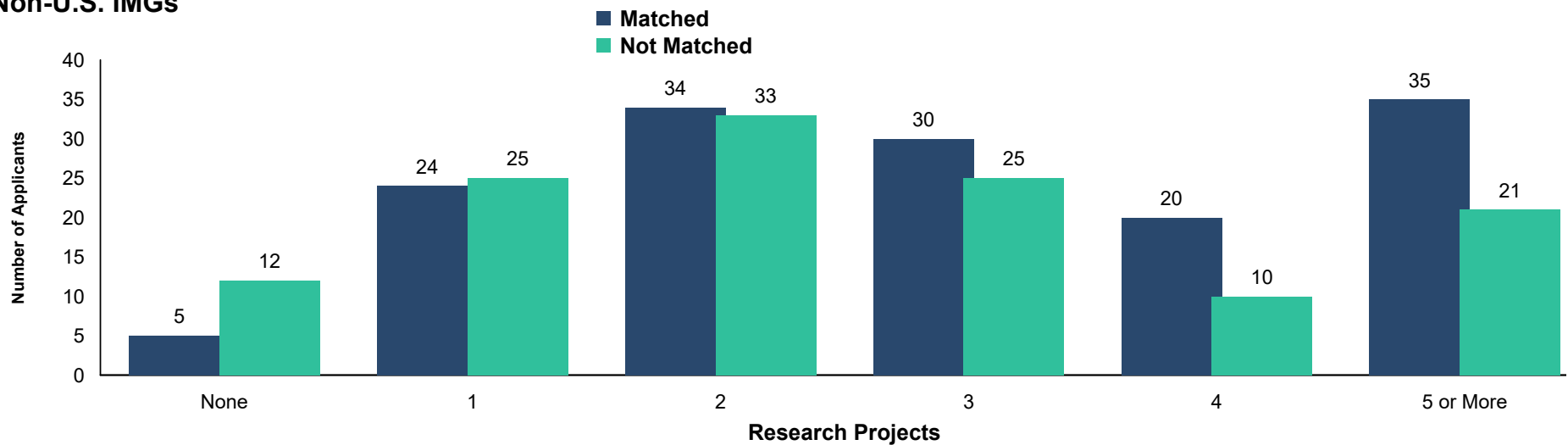
**Chart  
N-5**

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

**U.S. IMGs**



**Non-U.S. IMGs**

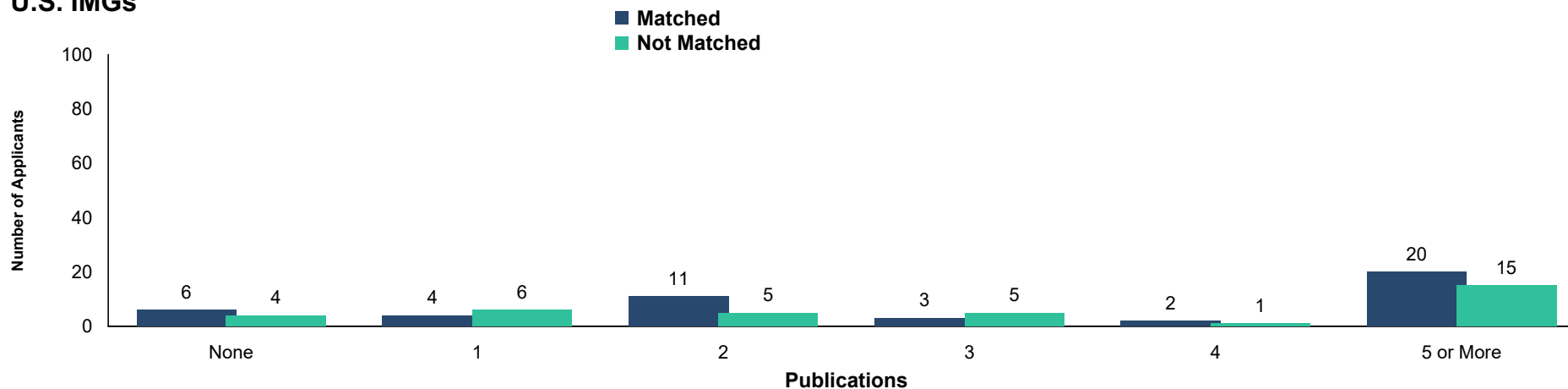


Source: NRMP Data Warehouse

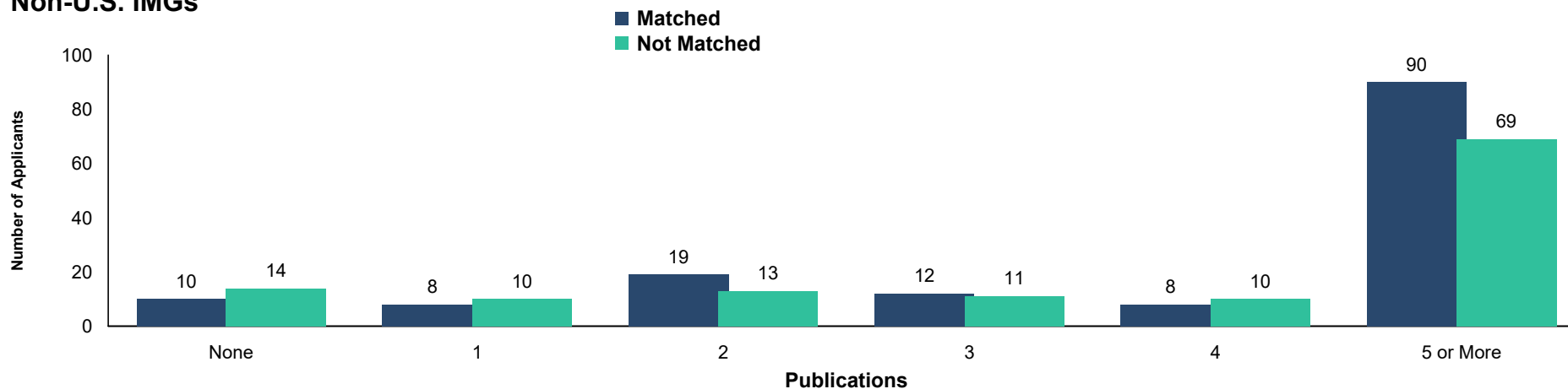
**Chart  
N-6**

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

**U.S. IMGs**



**Non-U.S. IMGs**

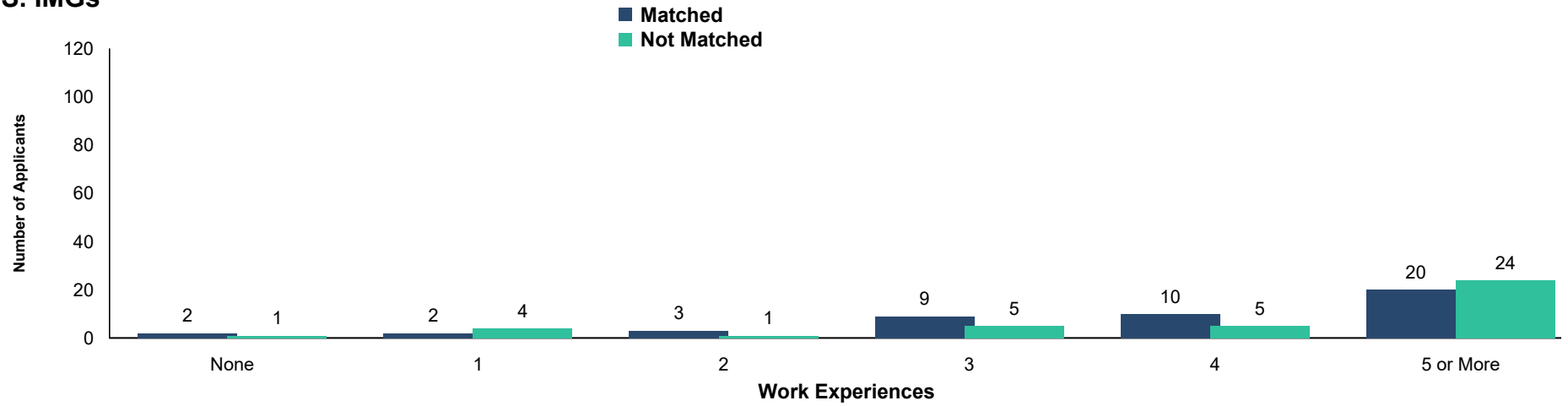


Source: NRMP Data Warehouse

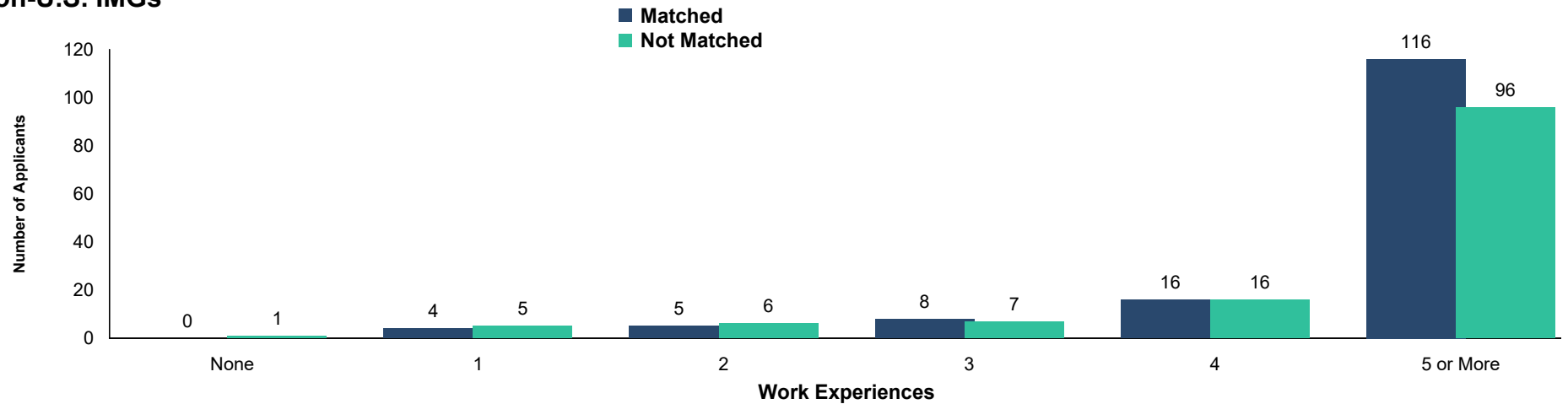
**Chart  
N-7**

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

**U.S. IMGs**



**Non-U.S. IMGs**

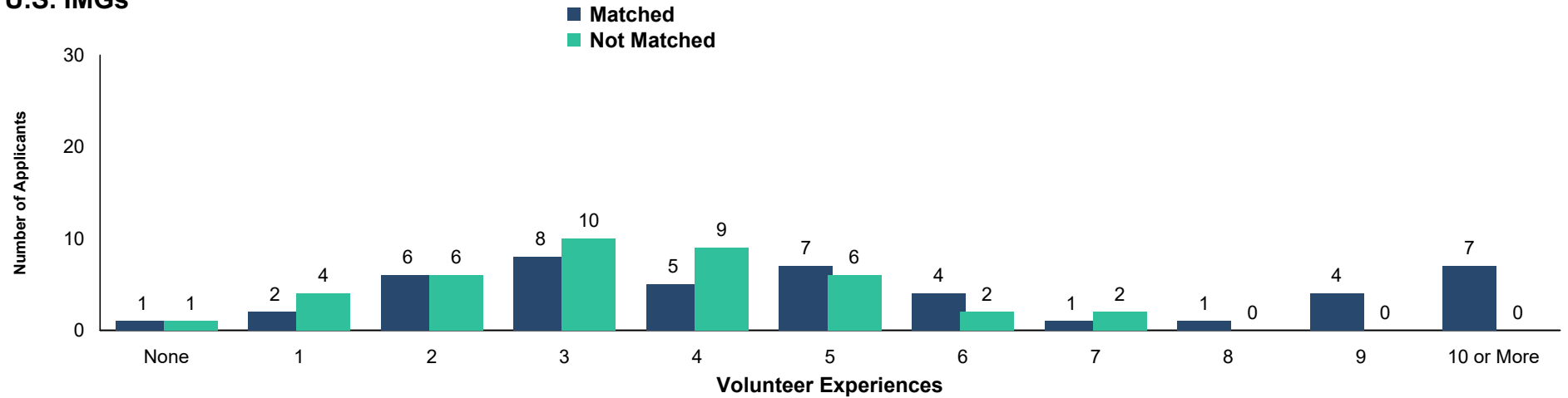


Source: NRMP Data Warehouse

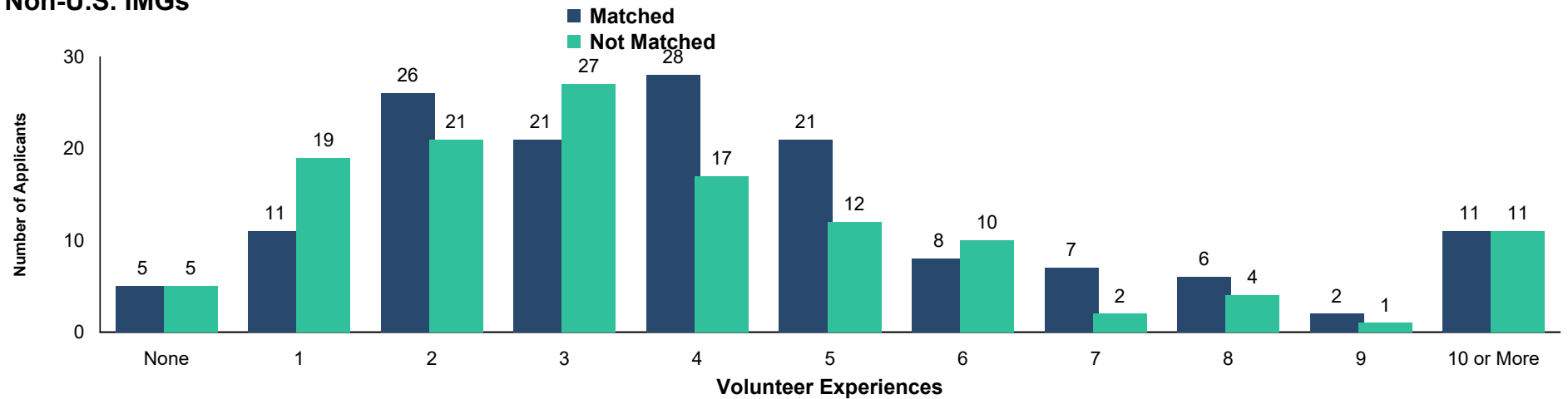
**Chart  
N-8**

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

**U.S. IMGs**



**Non-U.S. IMGs**



Source: NRMP Data Warehouse

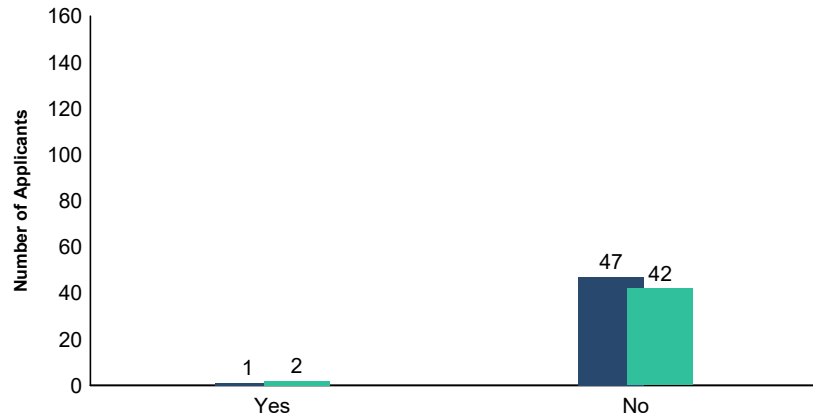


**Chart  
N-9**

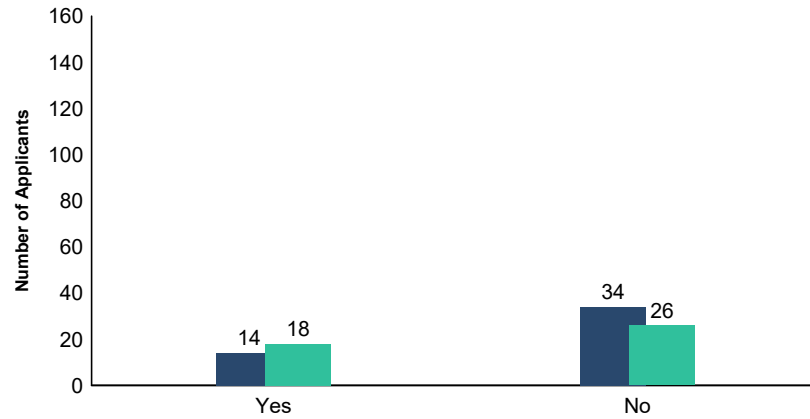
**Other Characteristics of International Medical Graduates  
Neurology**

**U.S. IMGs**

**Ph.D. Degree**

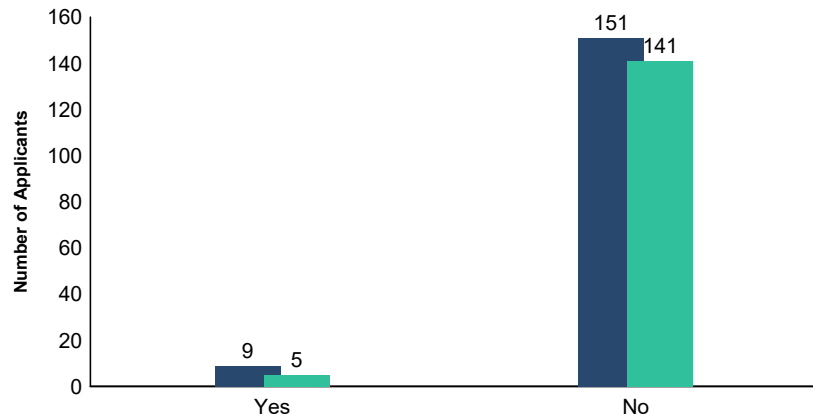


**Other Graduate Degree**

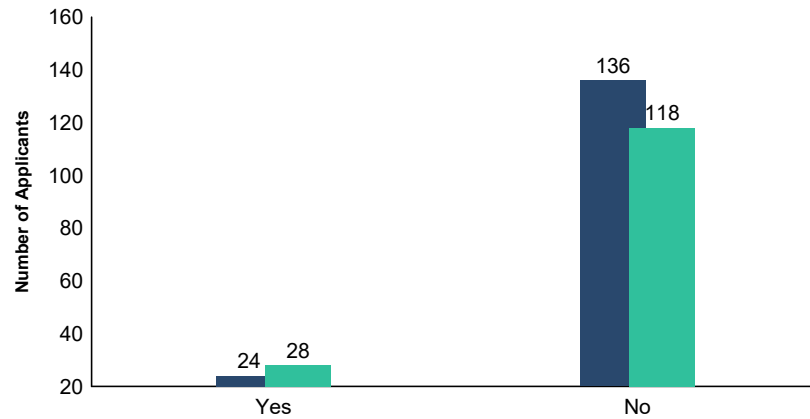


**Non-U.S. IMGs**

**Ph.D. Degree**



**Other Graduate Degree**



Source: NRMP Data Warehouse

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**OB** Obstetrics and Gynecology

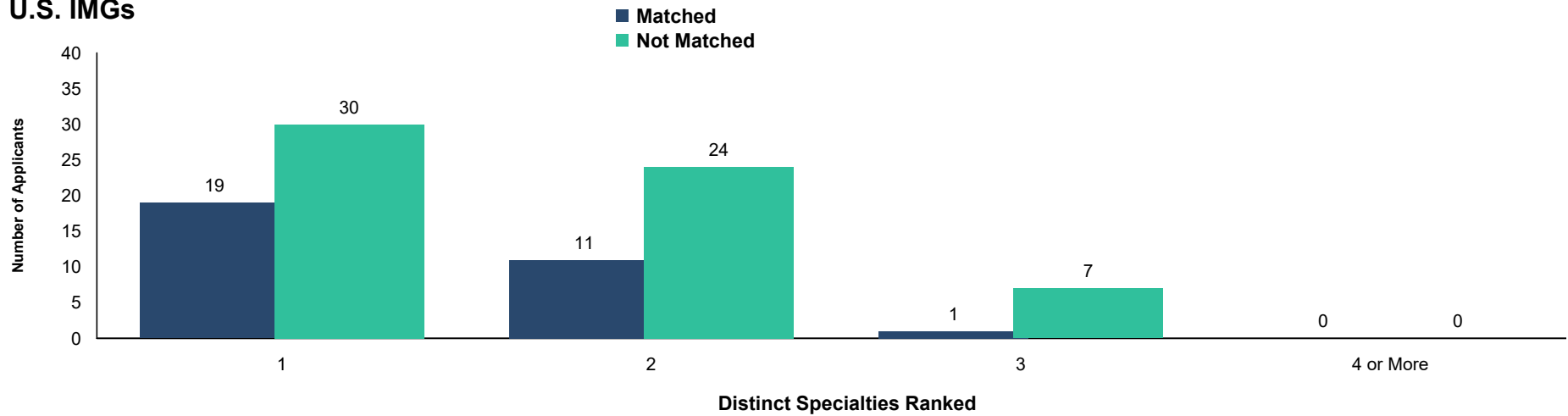
Measure	U.S. IMGs		Non-U.S. IMGs	
	Matched (n=31)	Unmatched (n=61)	Matched (n=35)	Unmatched (n=59)
1. Mean number of contiguous ranks	6.2	2.8	4.4	1.6
2. Mean number of distinct specialties ranked	1.4	1.6	1.5	1.5
3. Mean USMLE Step 1 score	226	217	236	230
4. Mean USMLE Step 2 score	243	232	243	236
5. Mean number of research experiences	3.2	2.7	3.7	2.6
6. Mean number of abstracts, presentations, and publications	3.4	3.4	10.8	7.2
7. Mean number of work experiences	4.7	5.1	5.7	7.0
8. Mean number of volunteer experiences	7.0	5.8	6.3	5.1
9. Percentage who have a Ph.D. degree	0.0	1.8	3.0	3.6
10. Percentage who have another graduate degree	24.1	36.8	21.2	30.9

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

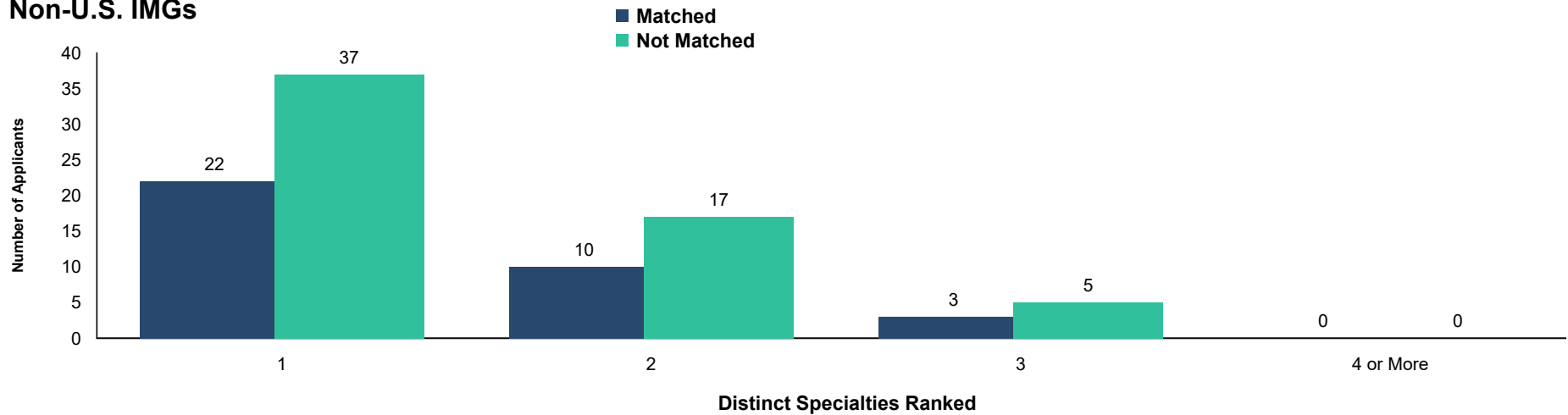
**Chart  
OB-1**

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

## U.S. IMGs



## Non-U.S. IMGs

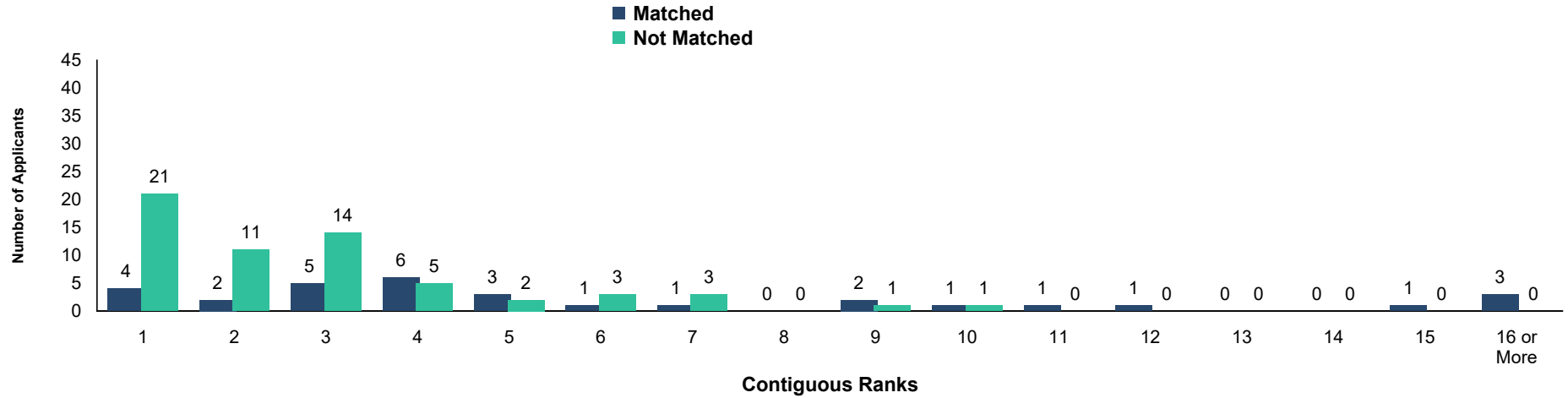


Source: NRMP Data Warehouse

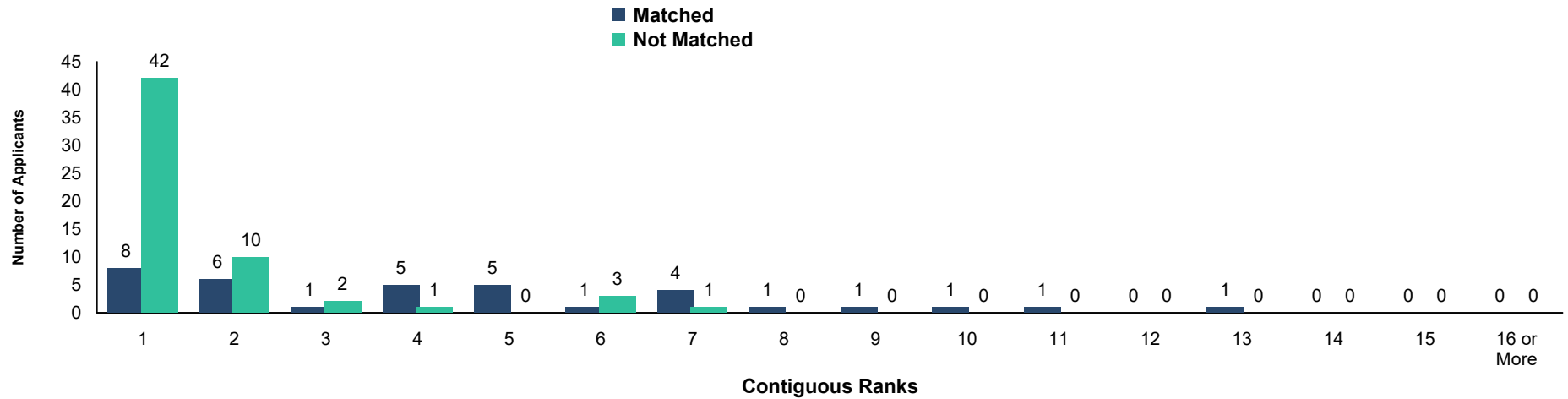
**Chart  
OB-2**

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

**U.S. IMGs**



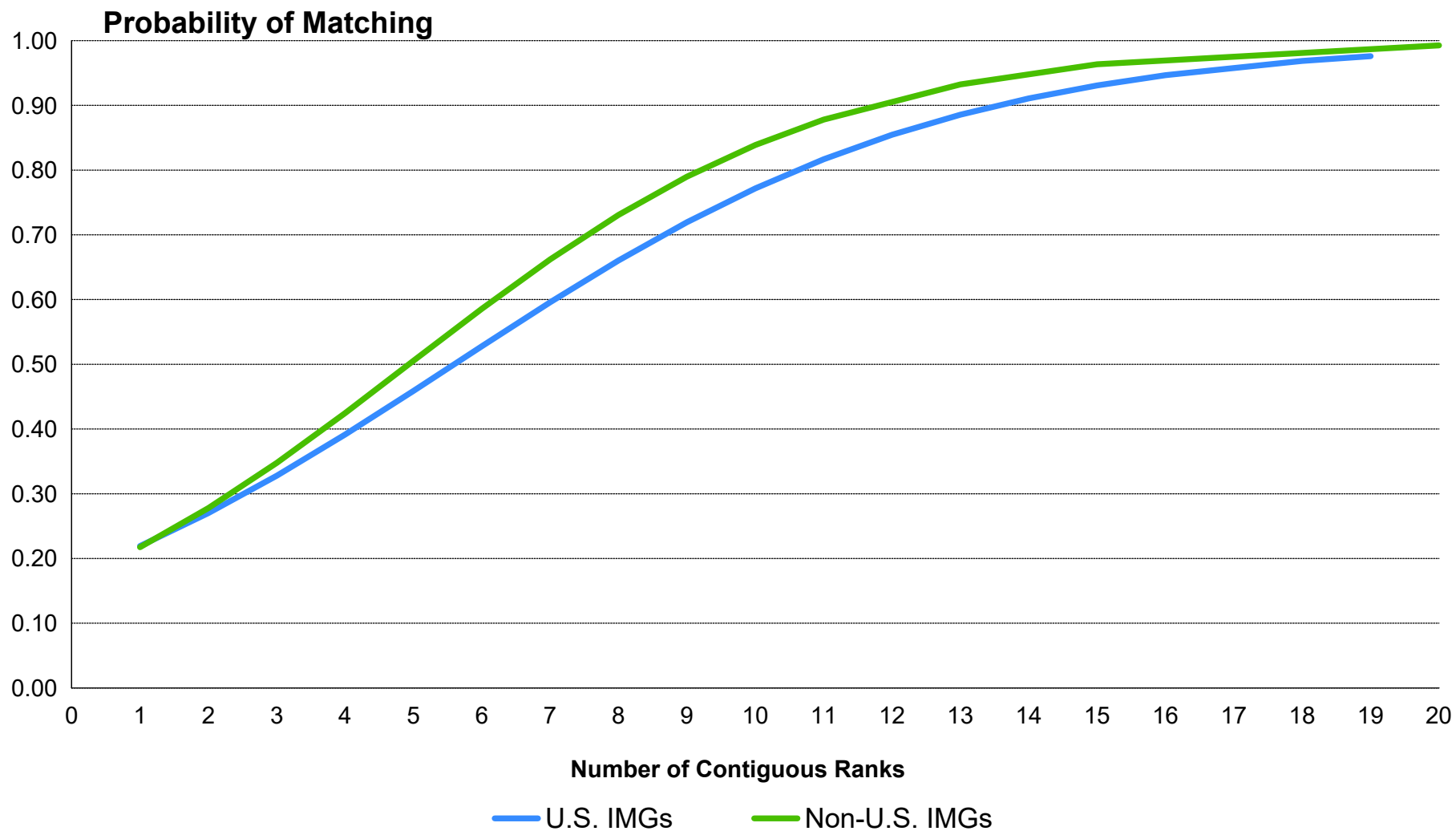
**Non-U.S. IMGs**



Source: NRMP Data Warehouse

**Graph  
OB-1**

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

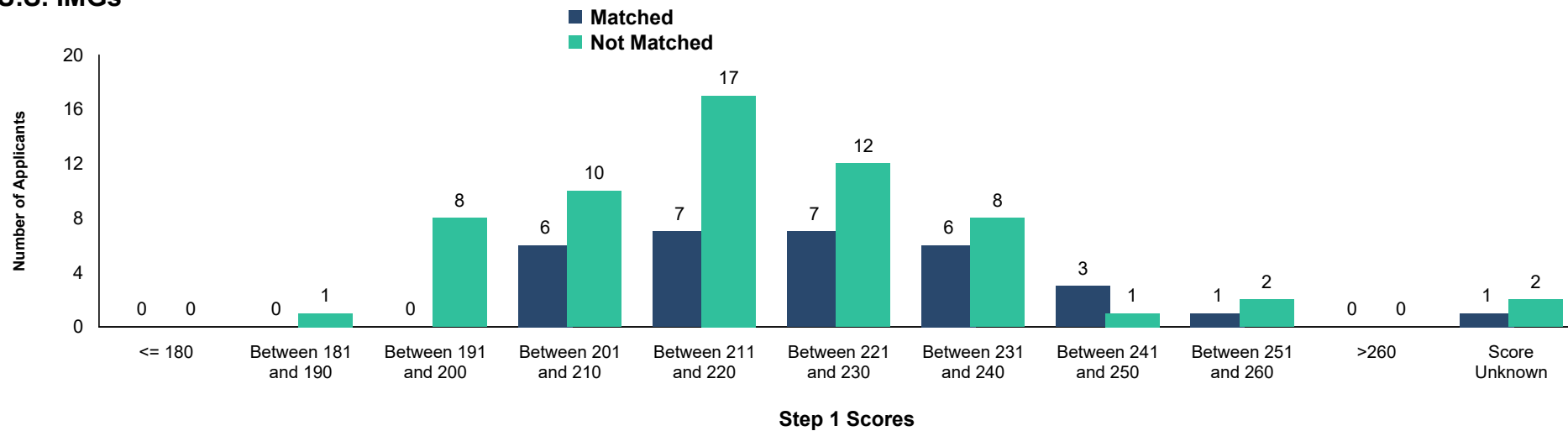


Source: NRMP Data Warehouse. Note: Probabilities calculated based on 2020-2022 applicants

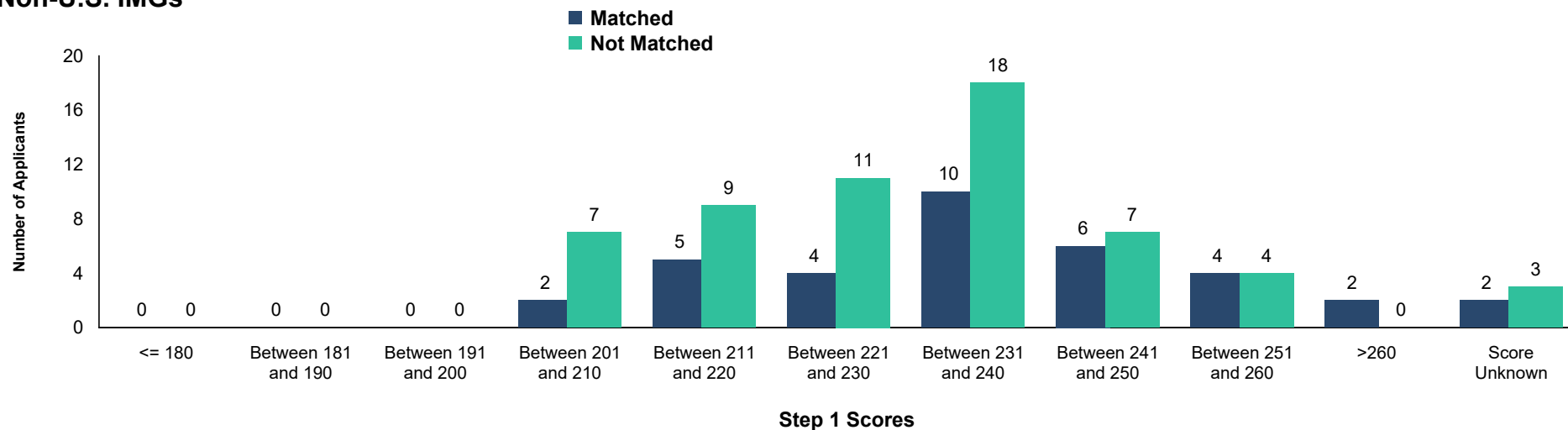
**Chart  
OB-3**

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

**U.S. IMGs**



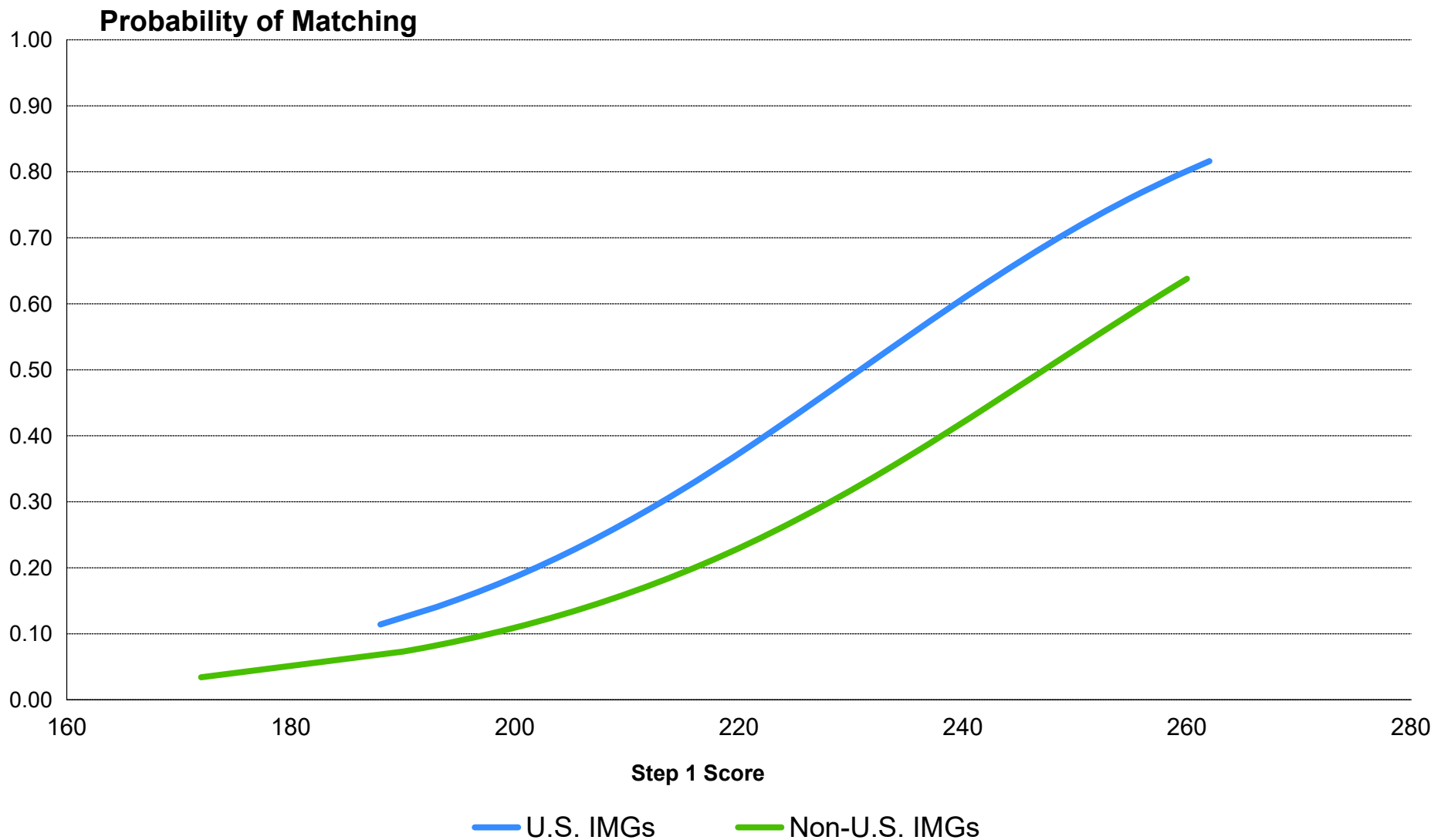
**Non-U.S. IMGs**



Source: NRMP Data Warehouse

**Graph  
OB-2**

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



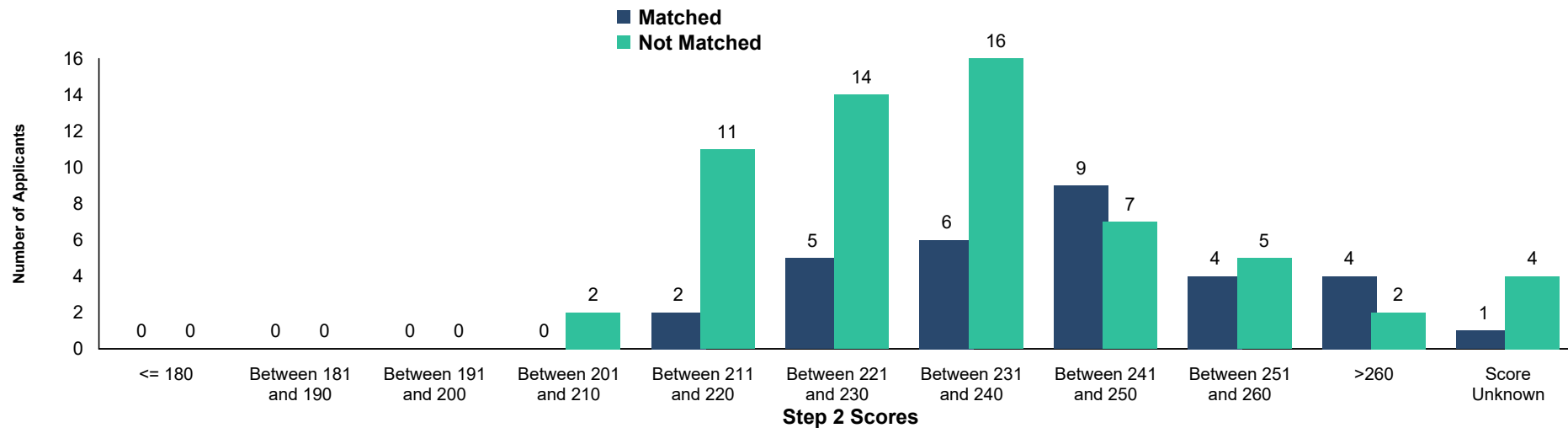
Source: NRMP Data Warehouse. Note: Probabilities calculated based on 2020-2022 applicants.



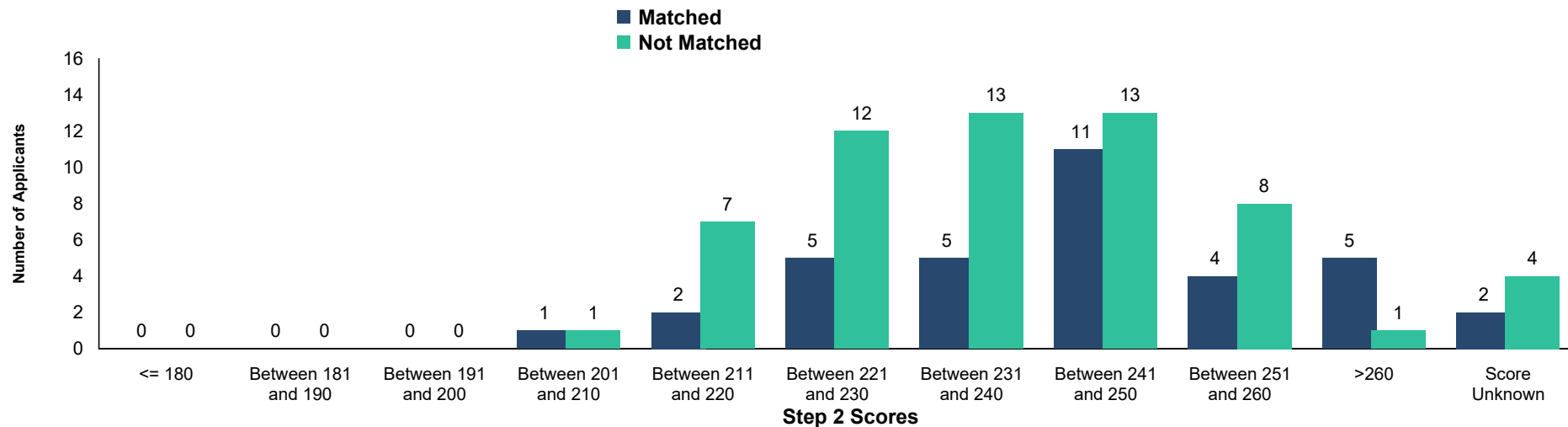
**Chart  
OB-4**

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

**U.S. IMGs**



**Non-U.S. IMGs**

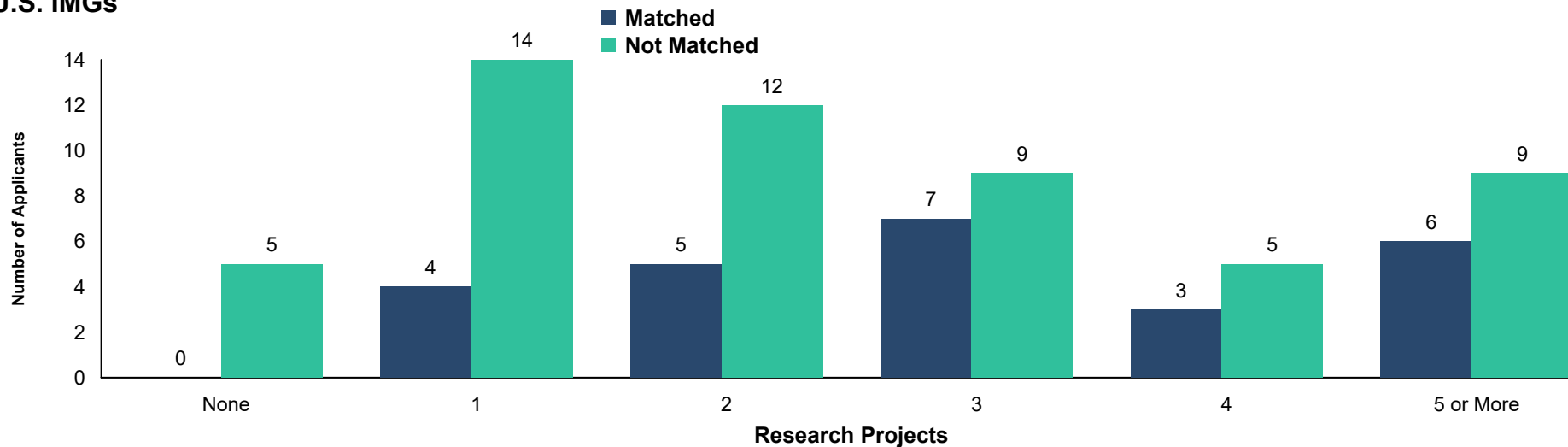


Source: NRMP Data Warehouse

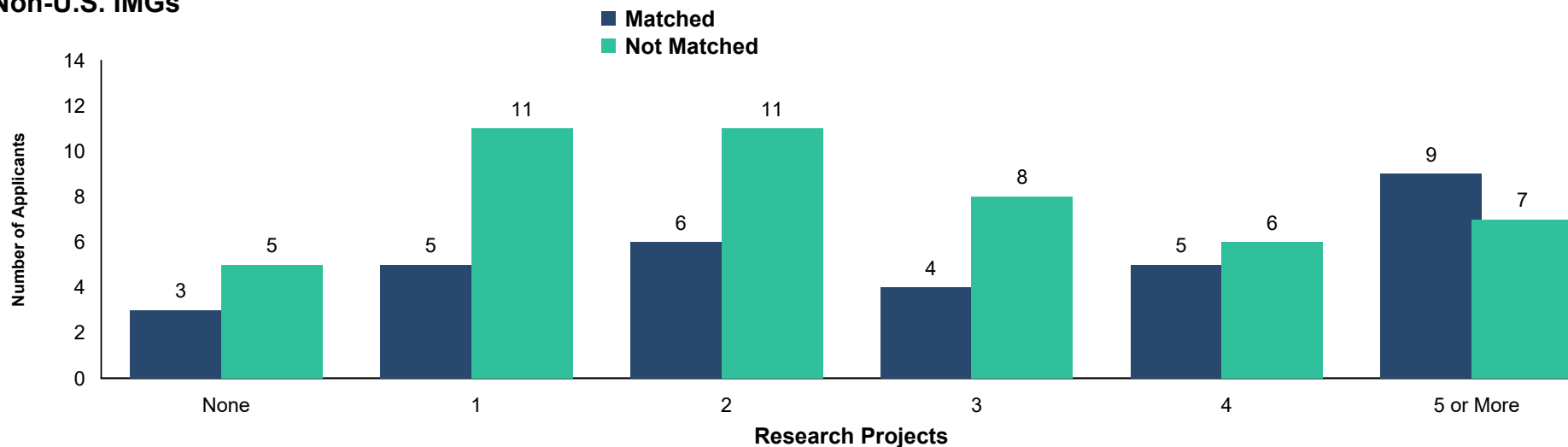
**Chart  
OB-5**

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

**U.S. IMGs**



**Non-U.S. IMGs**

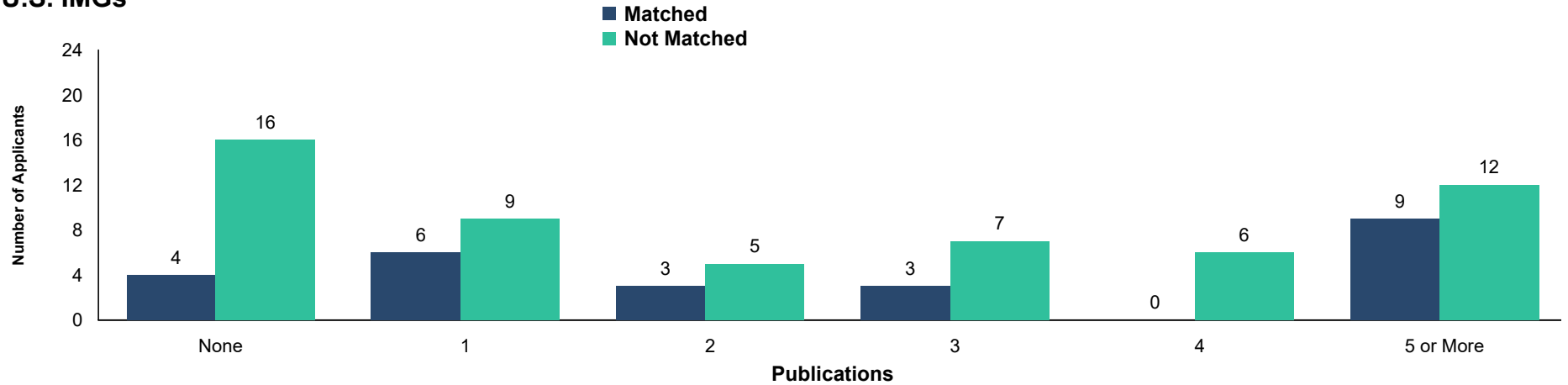


Source: NRMP Data Warehouse

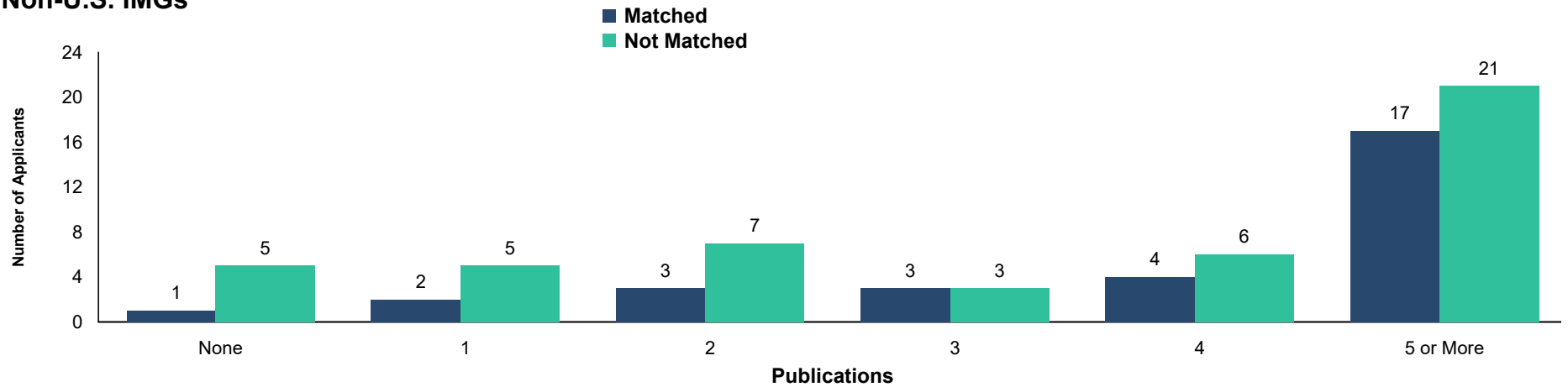
**Chart  
OB-6**

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

**U.S. IMGs**



**Non-U.S. IMGs**

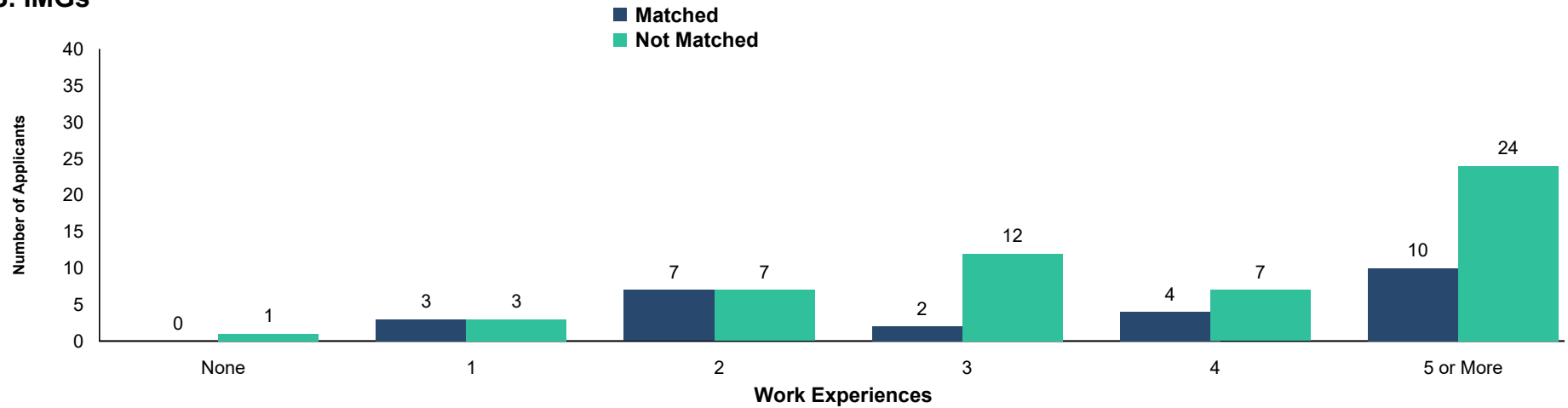


Source: NRMP Data Warehouse

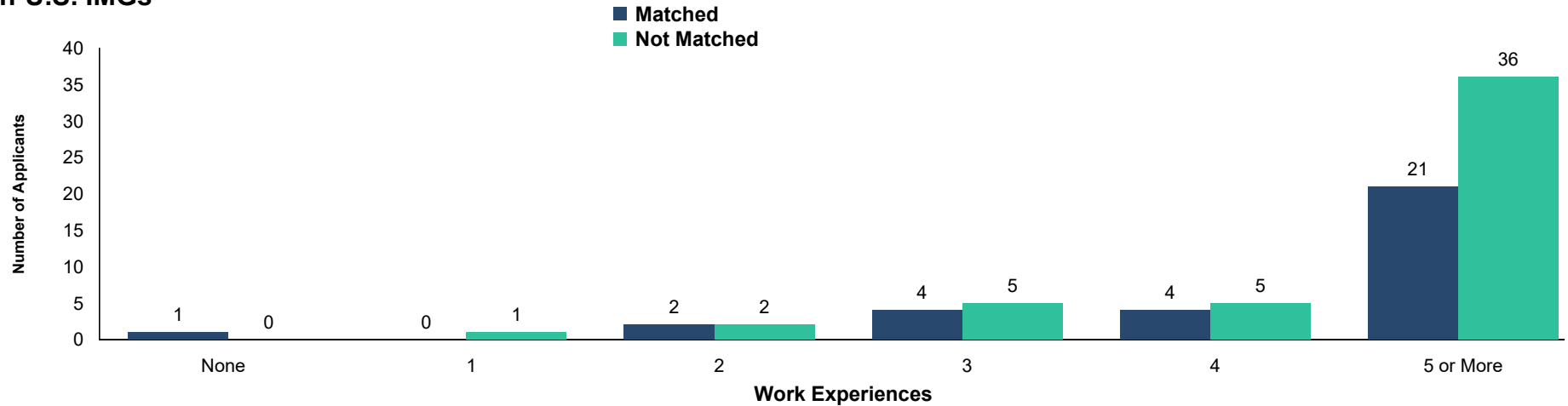
**Chart  
OB-7**

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

**U.S. IMGs**



**Non-U.S. IMGs**

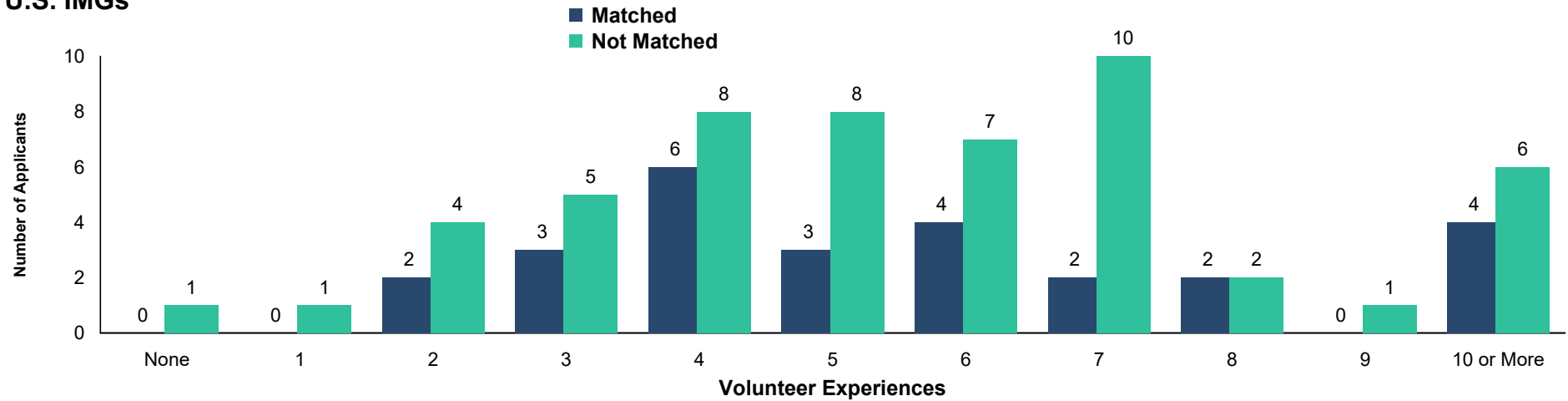


Source: NRMP Data Warehouse

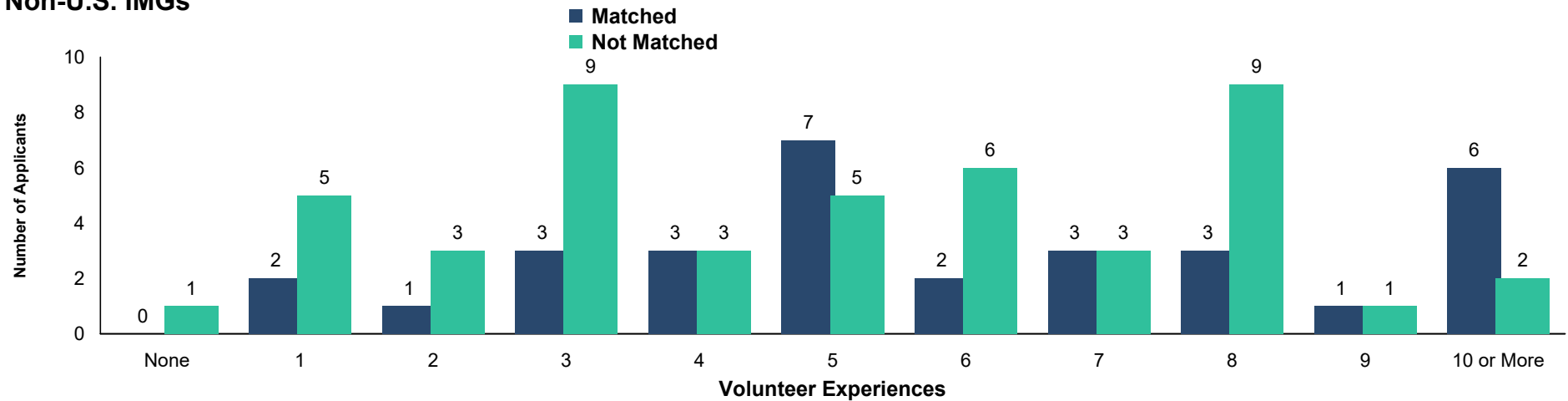
**Chart  
OB-8**

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

**U.S. IMGs**



**Non-U.S. IMGs**



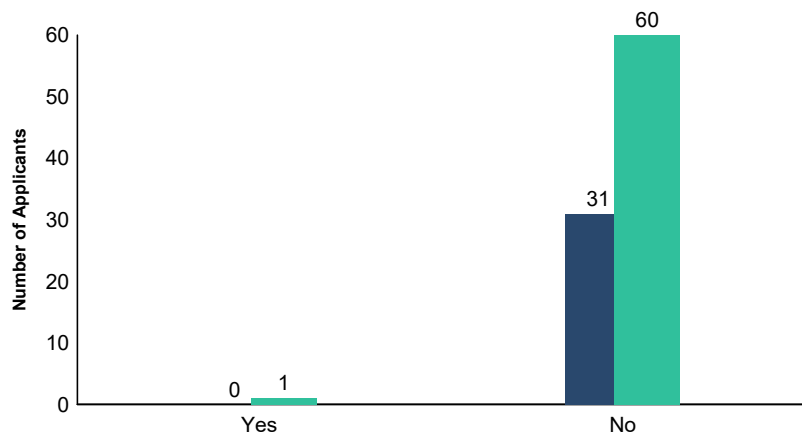
Source: NRMP Data Warehouse

**Chart  
OB-9**

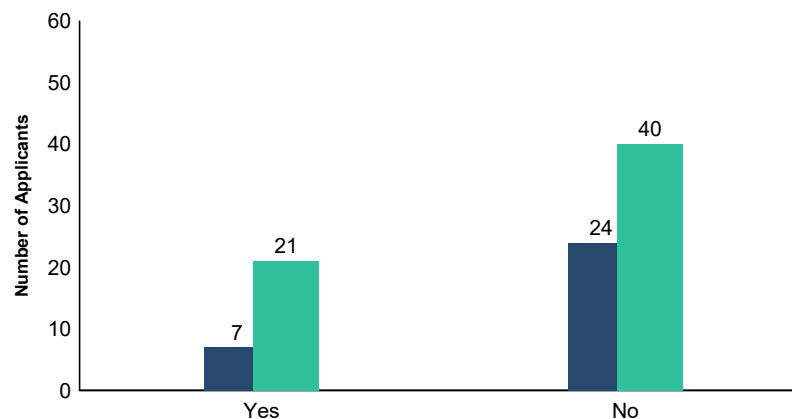
**Other Characteristics of International Medical Graduates  
Obstetrics and Gynecology**

**U.S. IMGs**

**Ph.D. Degree**

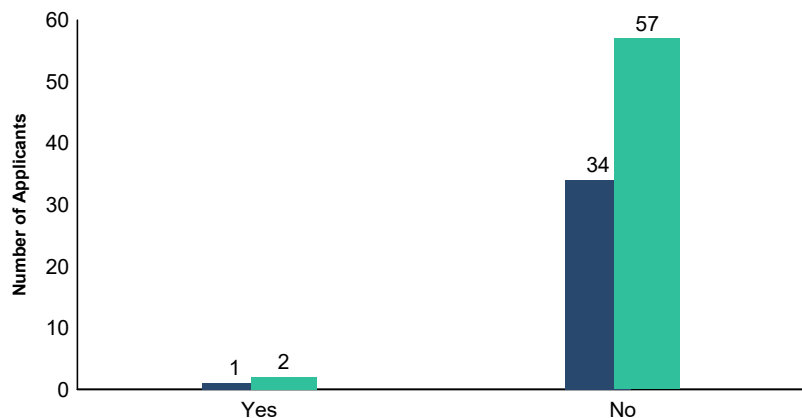


**Other Graduate Degree**

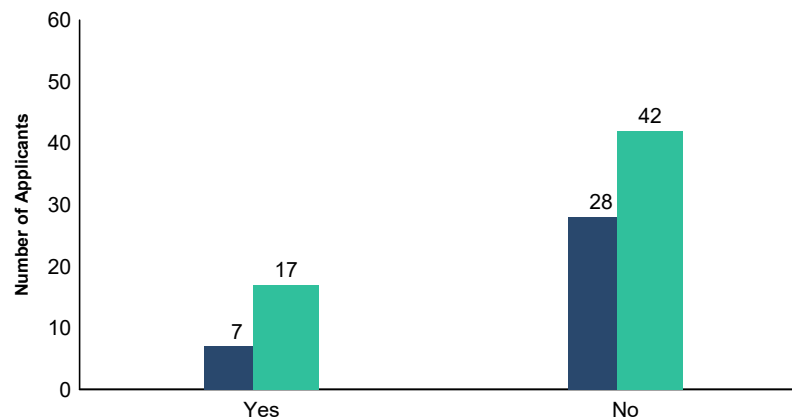


**Non-U.S. IMGs**

**Ph.D. Degree**



**Other Graduate Degree**



Source: NRMP Data Warehouse

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**ORS** Orthopaedic Surgery

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

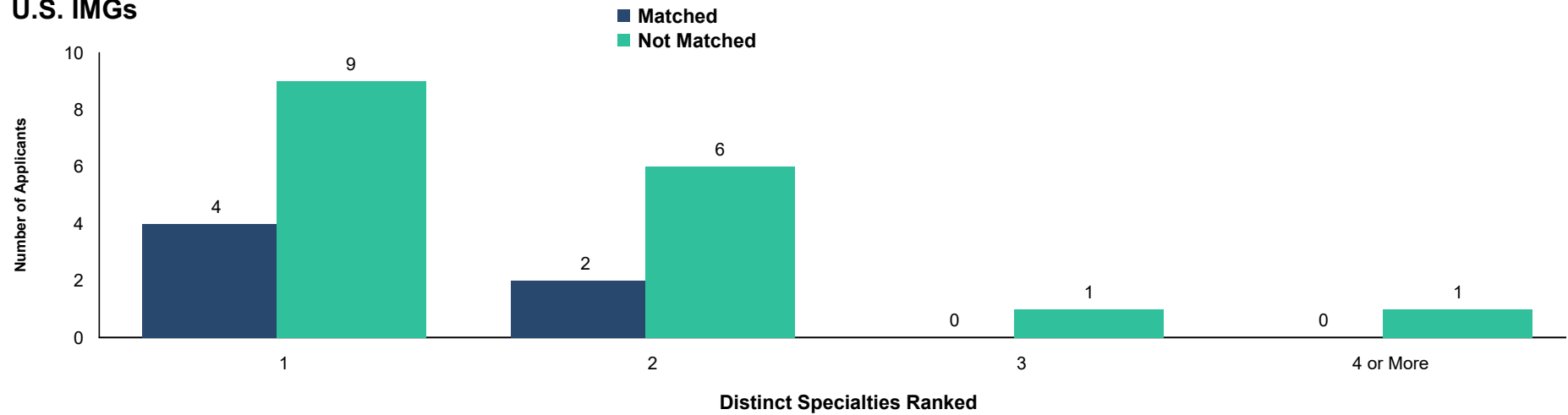
Measure	U.S. IMGs		Non-U.S. IMGs	
	Matched (n=6)	Unmatched (n=17)	Matched (n=9)	Unmatched (n=7)
1. Mean number of contiguous ranks	3.0	2.2	6.1	3.4
2. Mean number of distinct specialties ranked	1.3	1.6	1.0	1.7
3. Mean USMLE Step 1 score	245	233	238	238
4. Mean USMLE Step 2 score	255	241	249	242
5. Mean number of research experiences	16.7	16.4	9.3	4.6
6. Mean number of abstracts, presentations, and publications	29.5	21.8	97.6	25.1
7. Mean number of work experiences	7.0	5.1	5.8	5.4
8. Mean number of volunteer experiences	8.3	8.2	5.6	3.9
9. Percentage who have a Ph.D. degree	0.0	0.0	33.3	14.3
10. Percentage who have another graduate degree	33.3	35.3	22.2	71.4

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

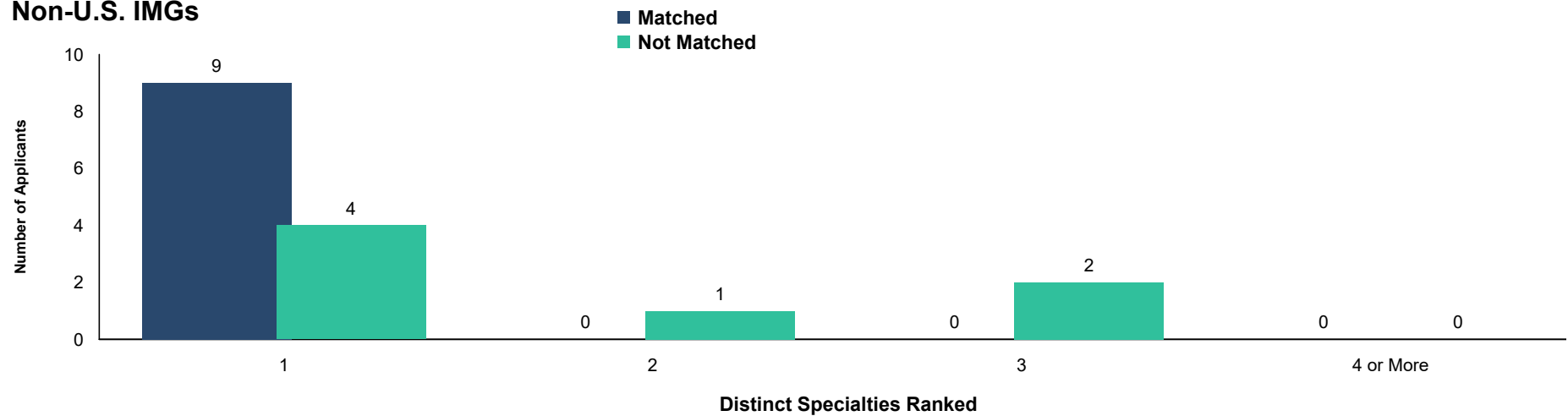


# Number of Distinct Specialties Ranked by International Medical Graduates Orthopaedic Surgery

## U.S. IMGs



## Non-U.S. IMGs

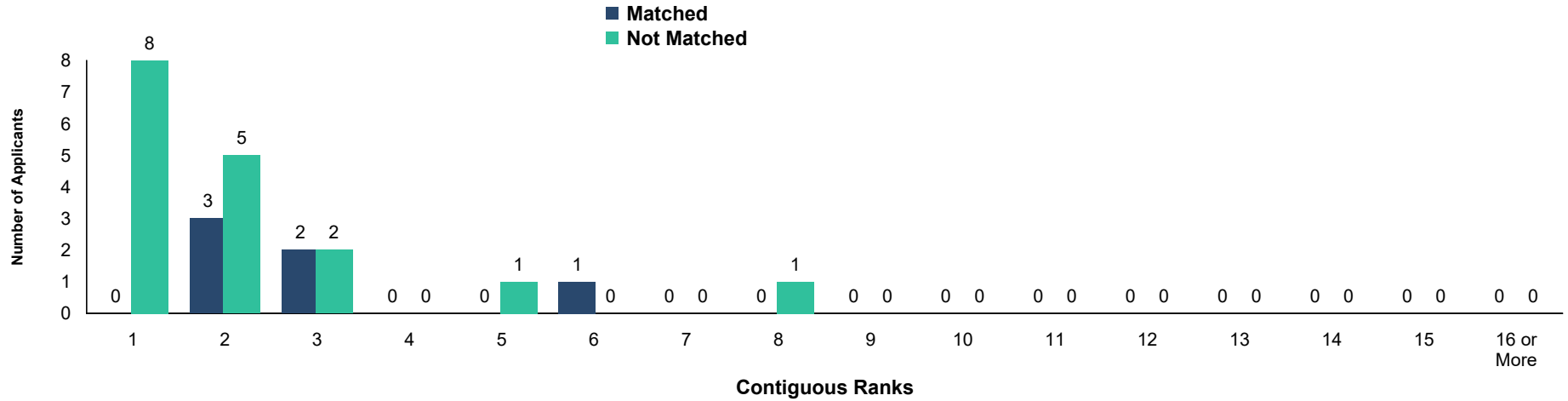


Source: NRMP Data Warehouse

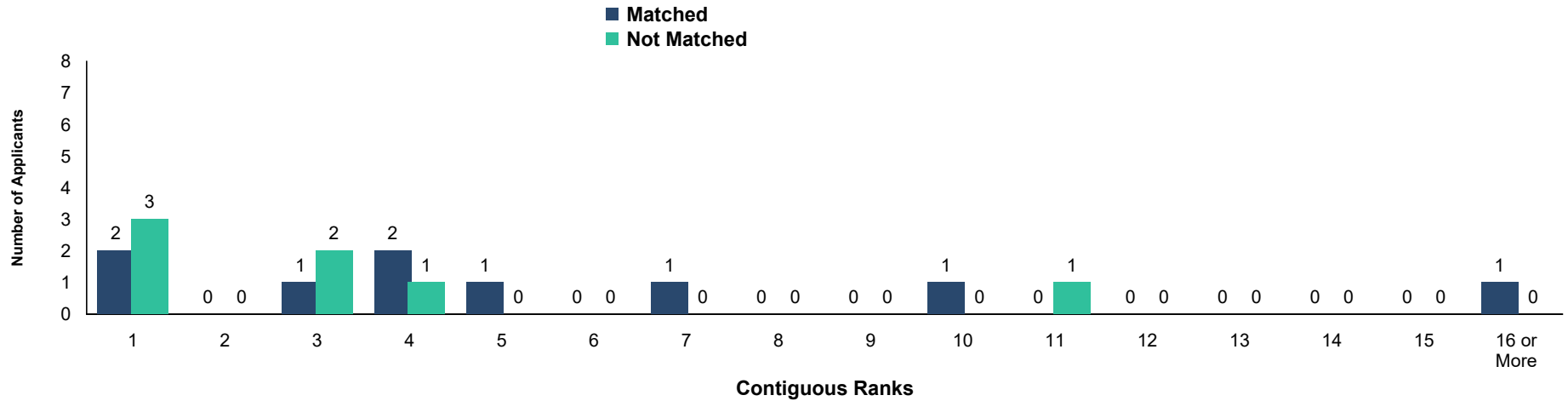
**Chart  
ORS-2**

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

**U.S. IMGs**



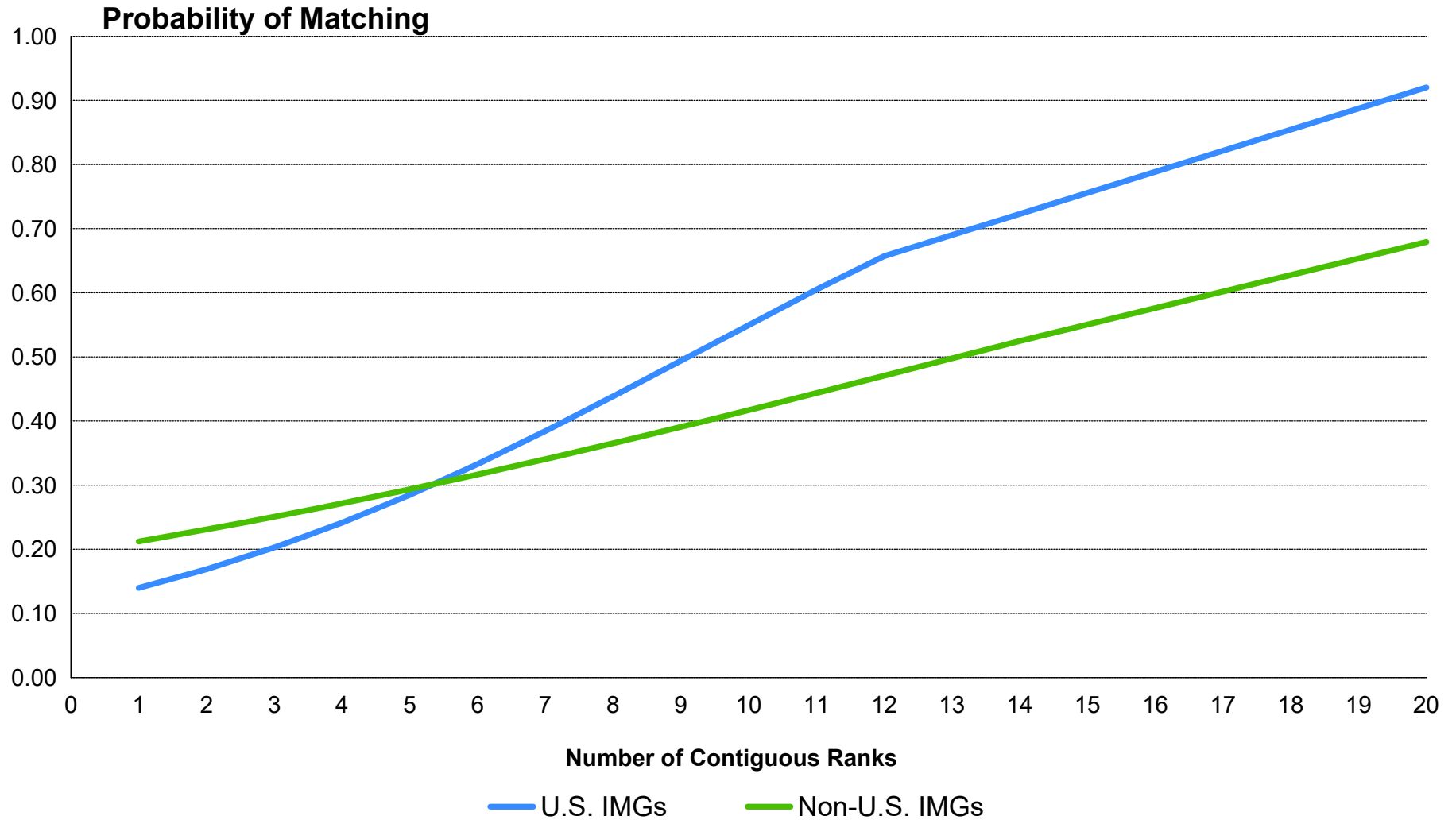
**Non-U.S. IMGs**



Source: NRMP Data Warehouse

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

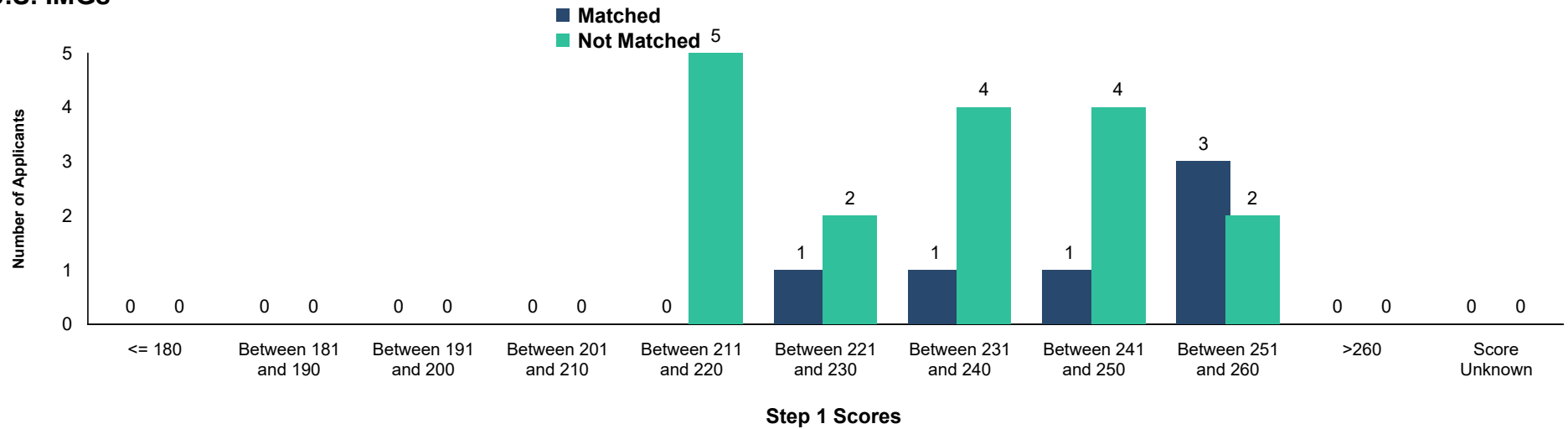
## Orthopaedic Surgery



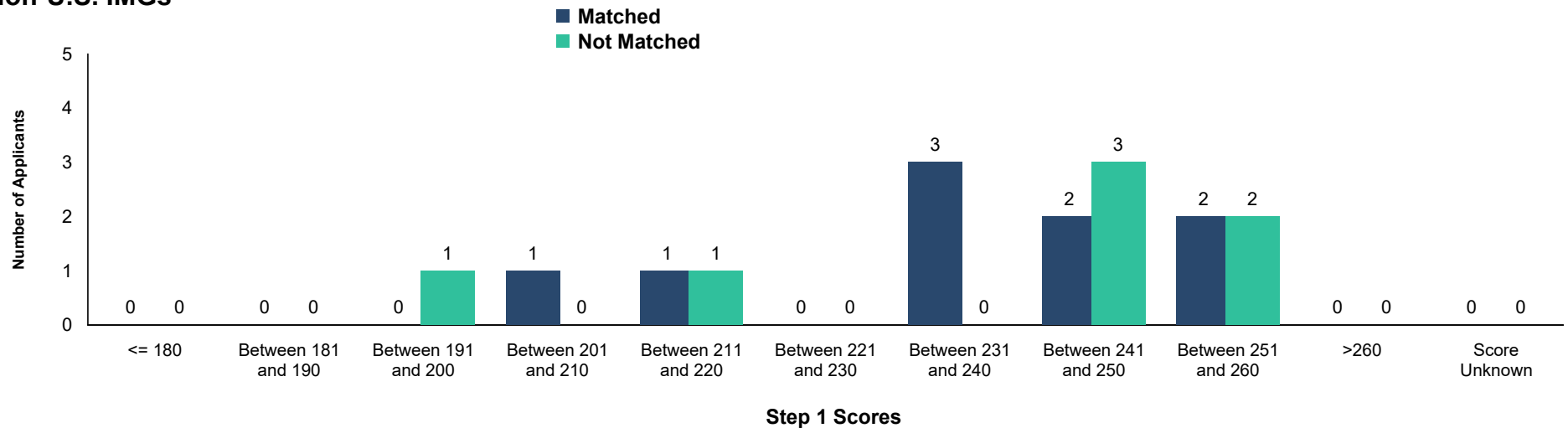
Source: NRMP Data Warehouse. Note: Probabilities calculated based on 2020-2022 applicants

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

## U.S. IMGs



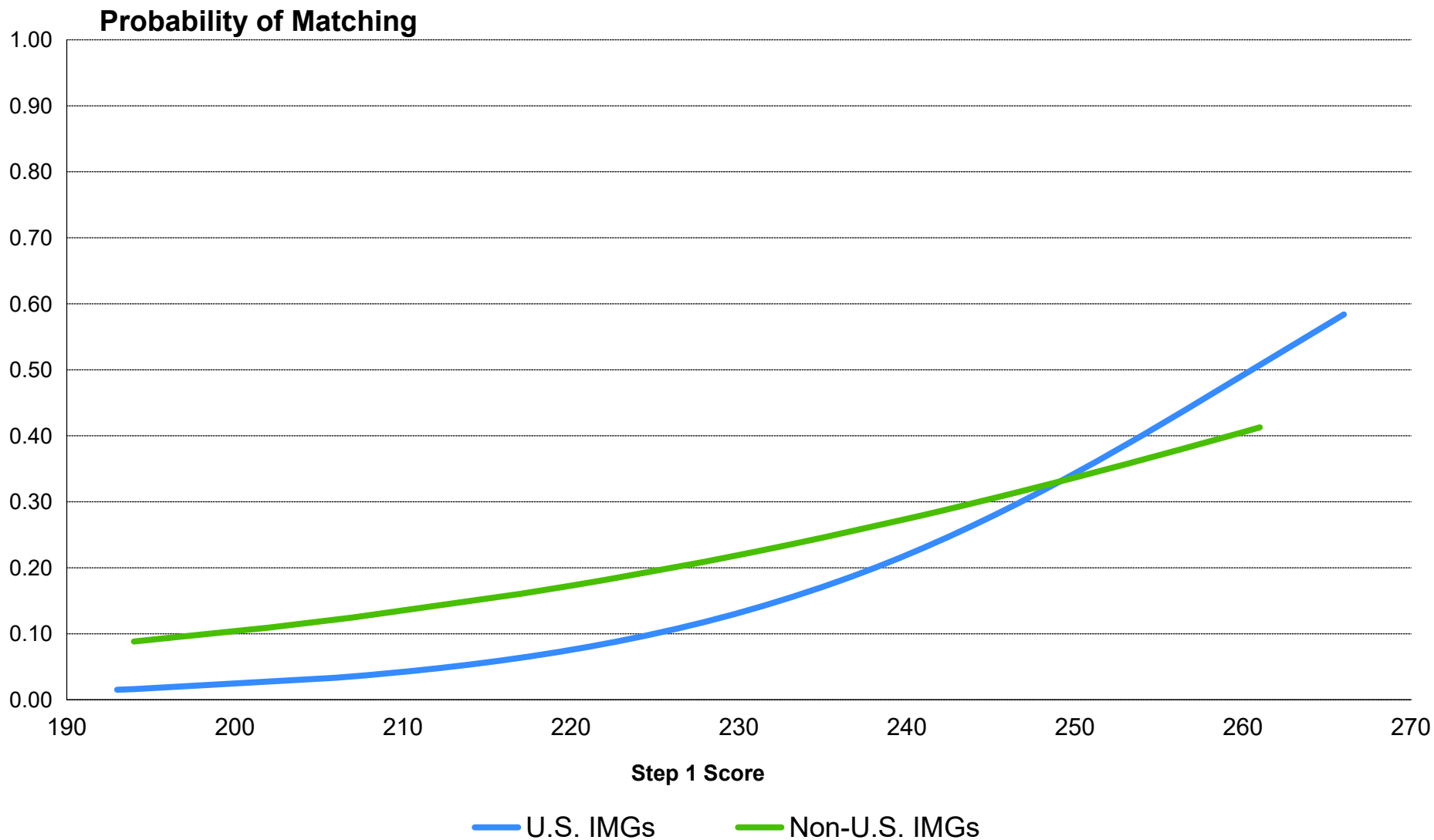
## Non-U.S. IMGs



Source: NRMP Data Warehouse

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

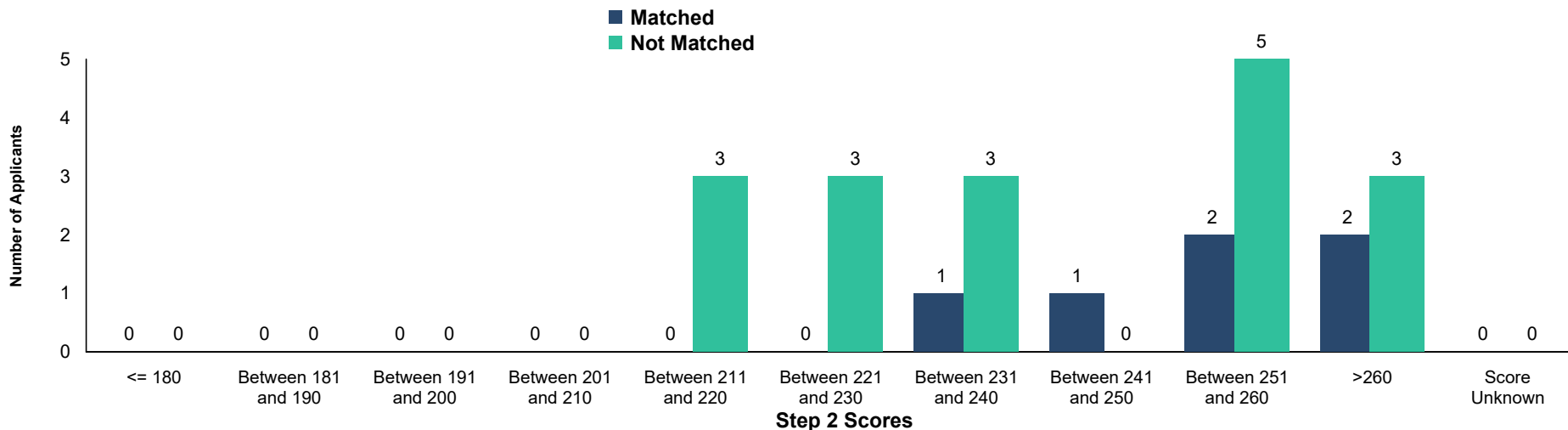
## Orthopaedic Surgery



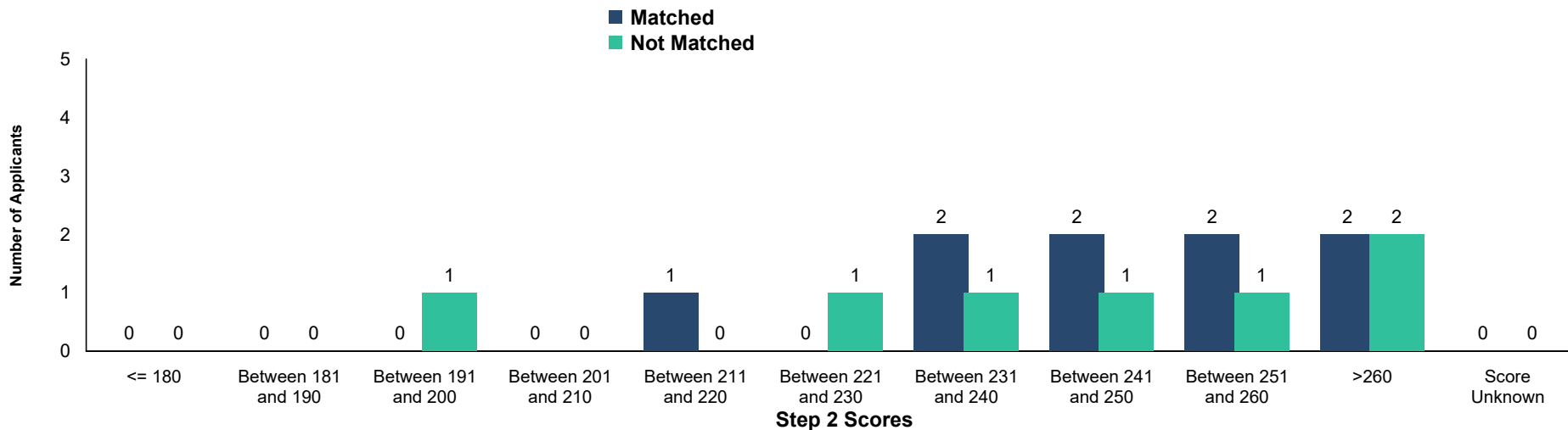
Source: NRMP Data Warehouse. Note: Probabilities calculated based on 2020-2022 applicants.

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

## U.S. IMGs



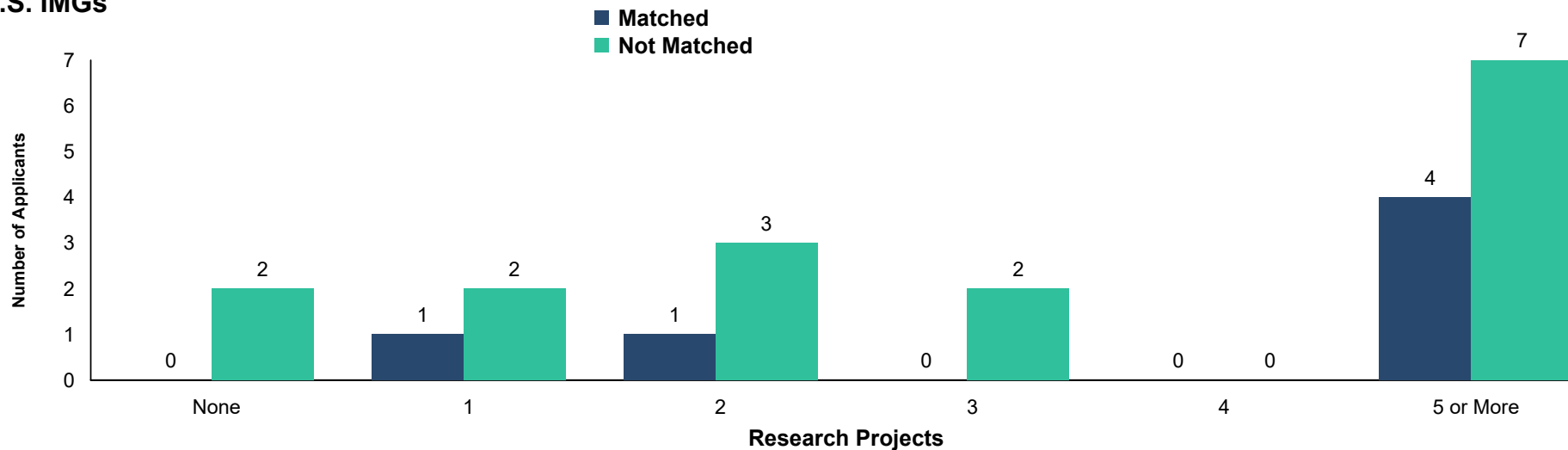
## Non-U.S. IMGs



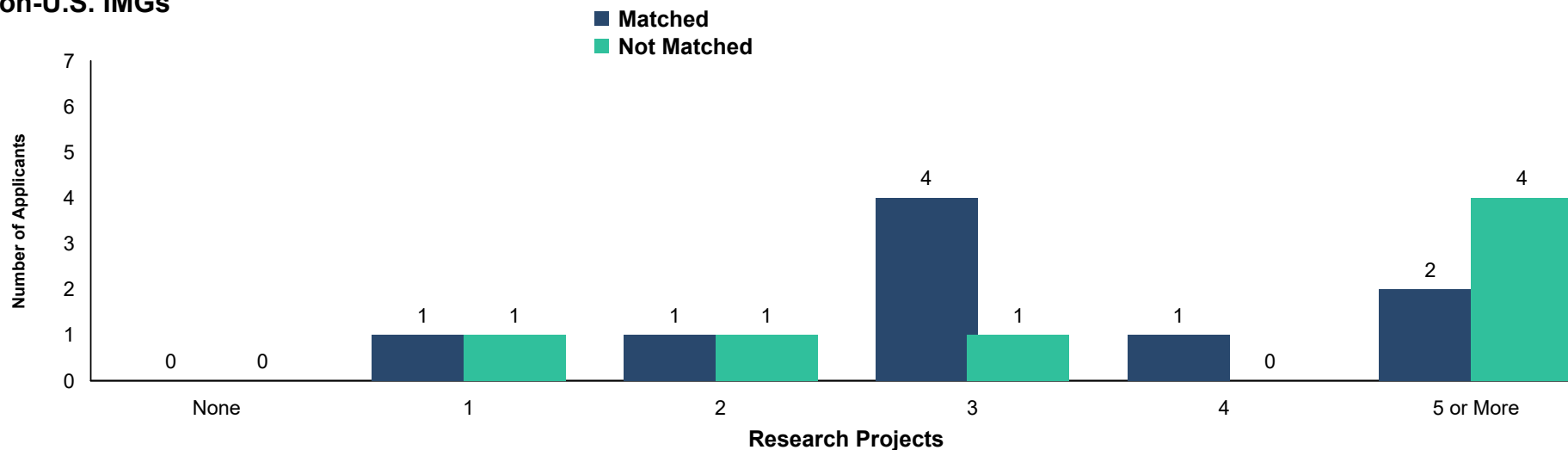
Source: NRMP Data Warehouse

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

## U.S. IMGs



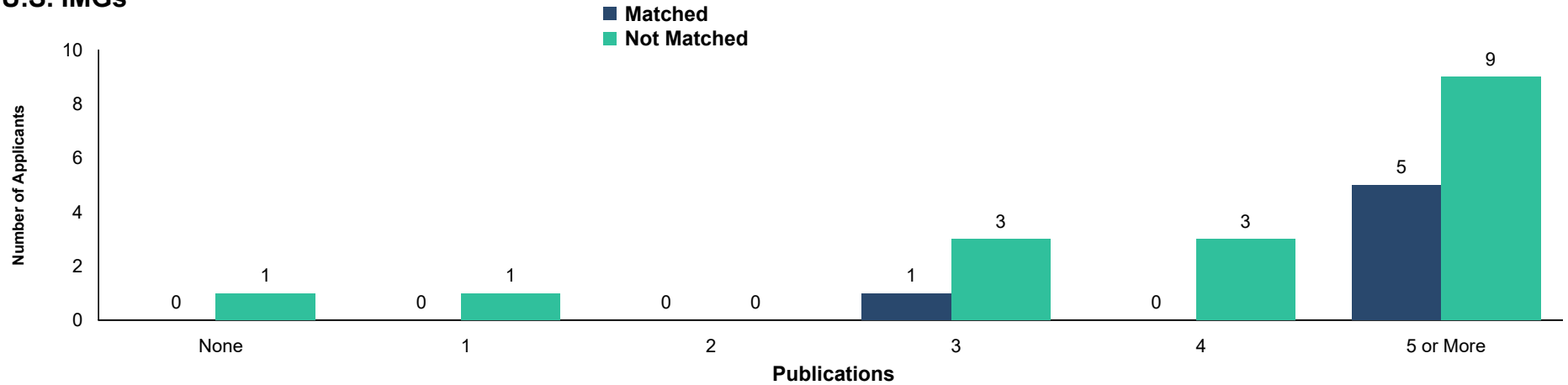
## Non-U.S. IMGs



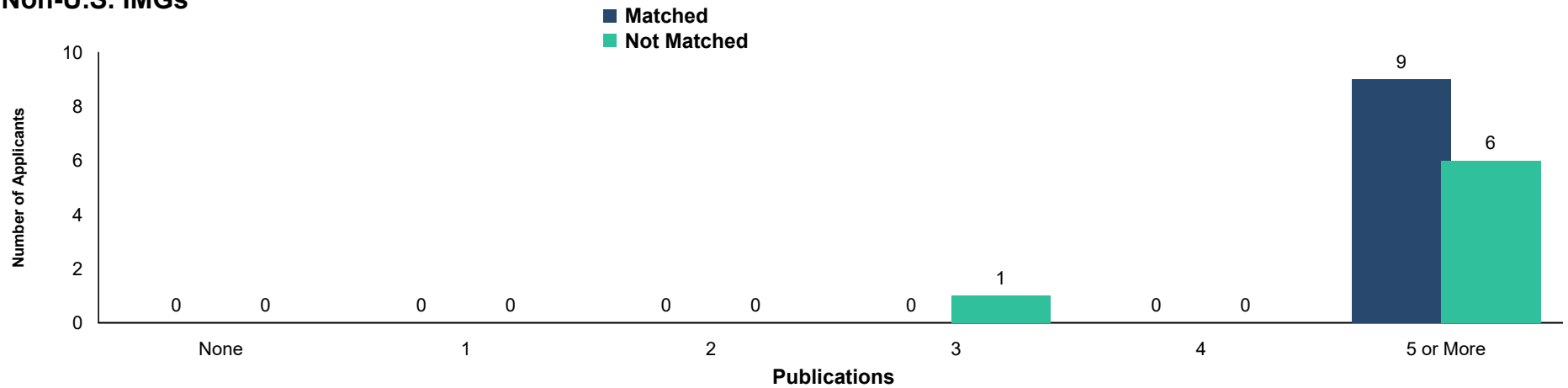
Source: NRMP Data Warehouse

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

### U.S. IMGs



### Non-U.S. IMGs

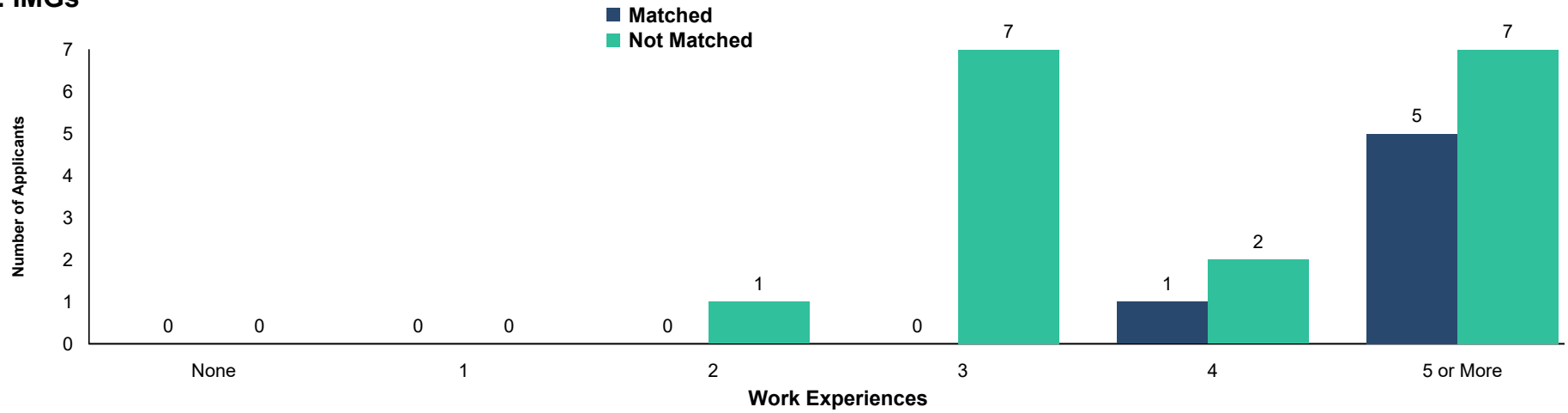


Source: NRMP Data Warehouse

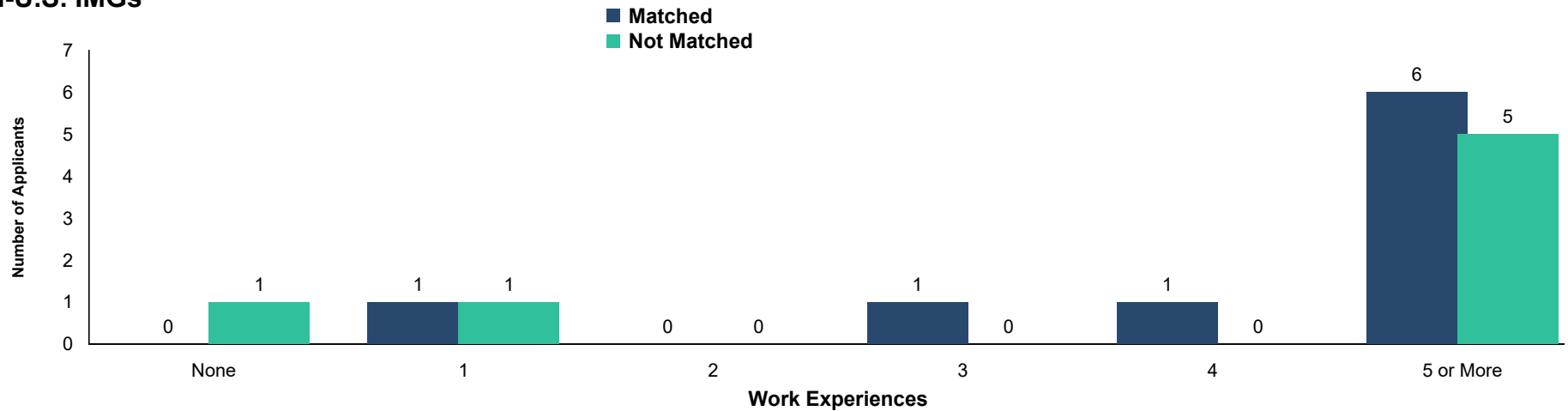


## Number of Work Experiences of International Medical Graduates *Orthopaedic Surgery*

### U.S. IMGs



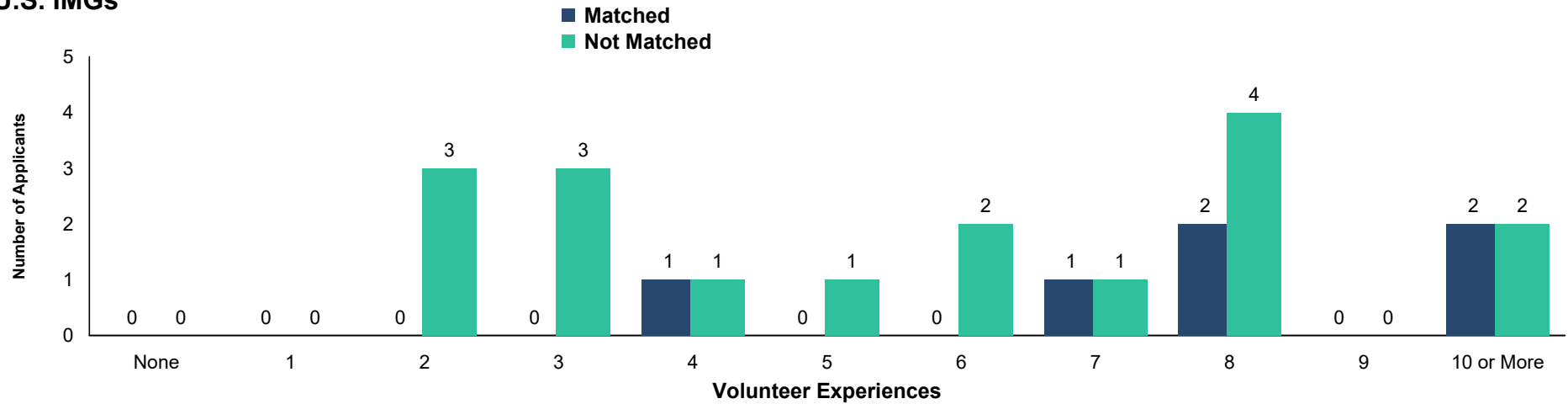
### Non-U.S. IMGs



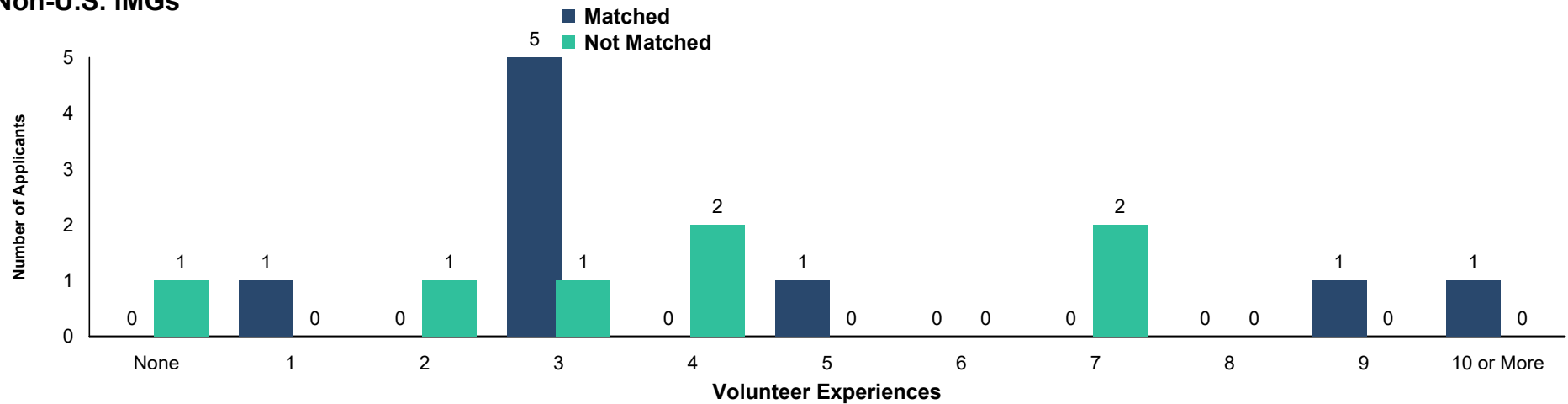
Source: NRMP Data Warehouse

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

## U.S. IMGs



## Non-U.S. IMGs

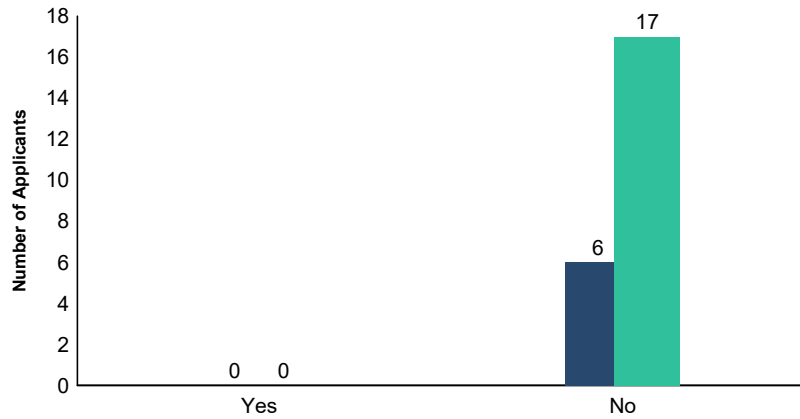


Source: NRMP Data Warehouse

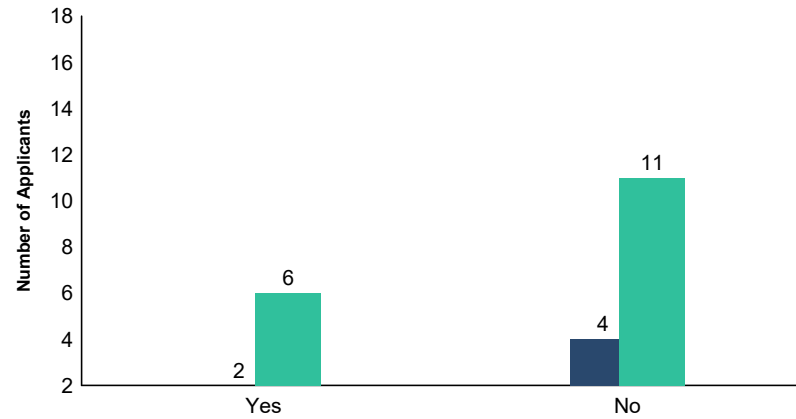
**Other Characteristics of International Medical Graduates  
*Orthopaedic Surgery***

**U.S. IMGs**

**Ph.D. Degree**

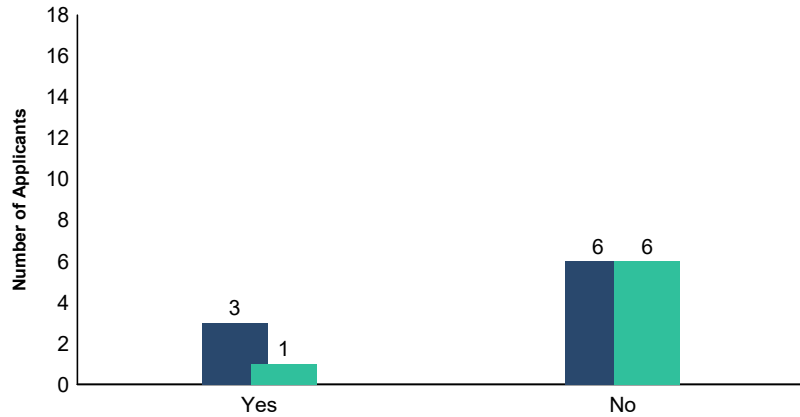


**Other Graduate Degree**

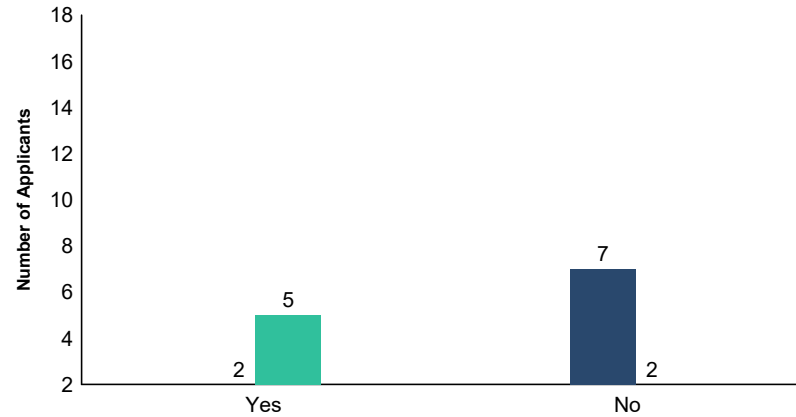


**Non-U.S. IMGs**

**Ph.D. Degree**



**Other Graduate Degree**



Source: NRMP Data Warehouse

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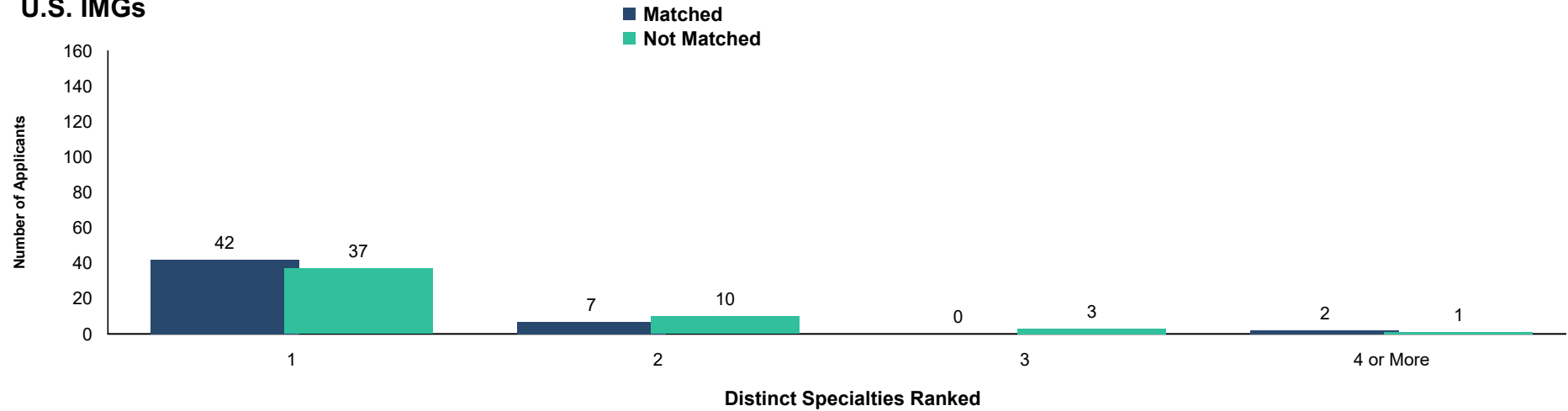
**PTH** Pathology

Measure	U.S. IMGs		Non-U.S. IMGs	
	Matched (n=51)	Unmatched (n=52)	Matched (n=163)	Unmatched (n=105)
1. Mean number of contiguous ranks	7.7	3.2	9.7	4.1
2. Mean number of distinct specialties ranked	1.3	1.4	1.1	1.2
3. Mean USMLE Step 1 score	219	214	232	225
4. Mean USMLE Step 2 score	228	221	238	230
5. Mean number of research experiences	2.9	2.2	2.9	3.0
6. Mean number of abstracts, presentations, and publications	5.6	7.0	10.5	8.9
7. Mean number of work experiences	6.3	6.0	5.7	6.0
8. Mean number of volunteer experiences	3.3	2.9	3.5	3.3
9. Percentage who have a Ph.D. degree	6.4	8.5	13.5	9.3
10. Percentage who have another graduate degree	17.4	30.0	33.3	27.5

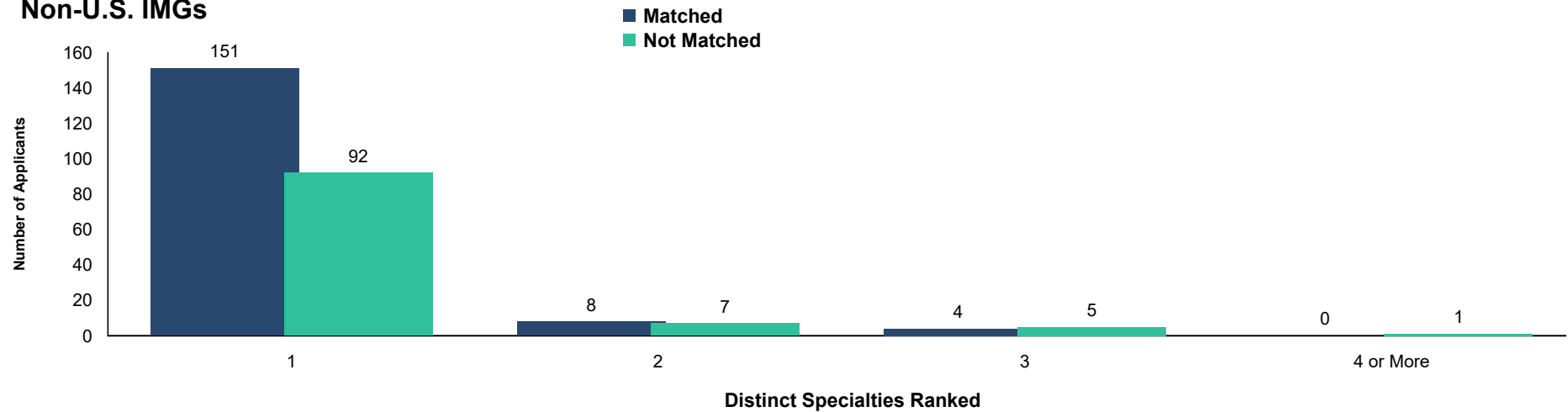
Note: Only applicants who gave consent to use their information in research are included.  
Source: NRMP Data Warehouse

# Number of Distinct Specialties Ranked by International Medical Graduates Pathology

## U.S. IMGs



## Non-U.S. IMGs

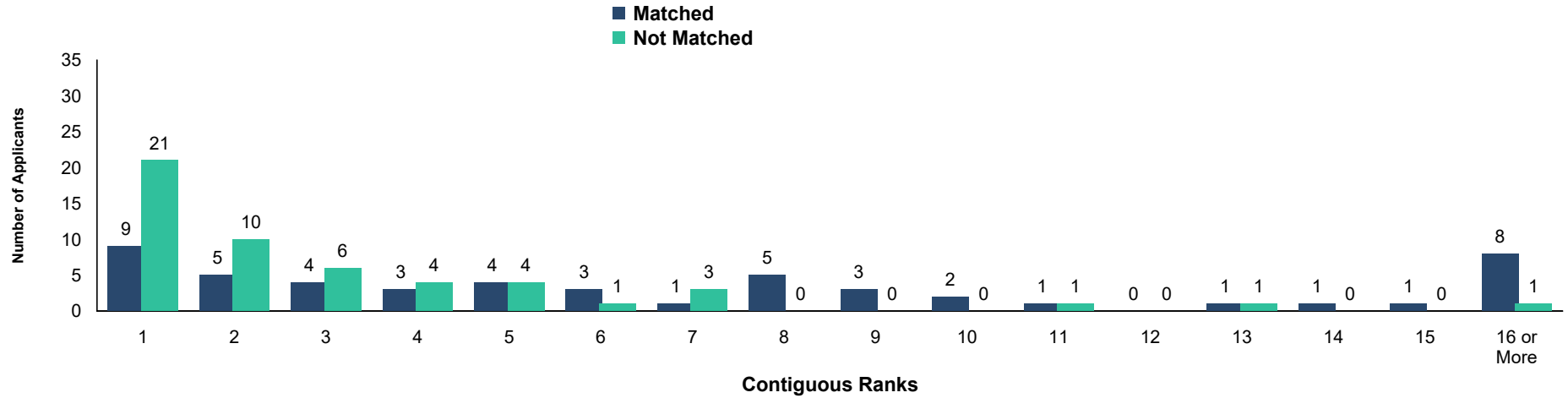


Source: NRMP Data Warehouse

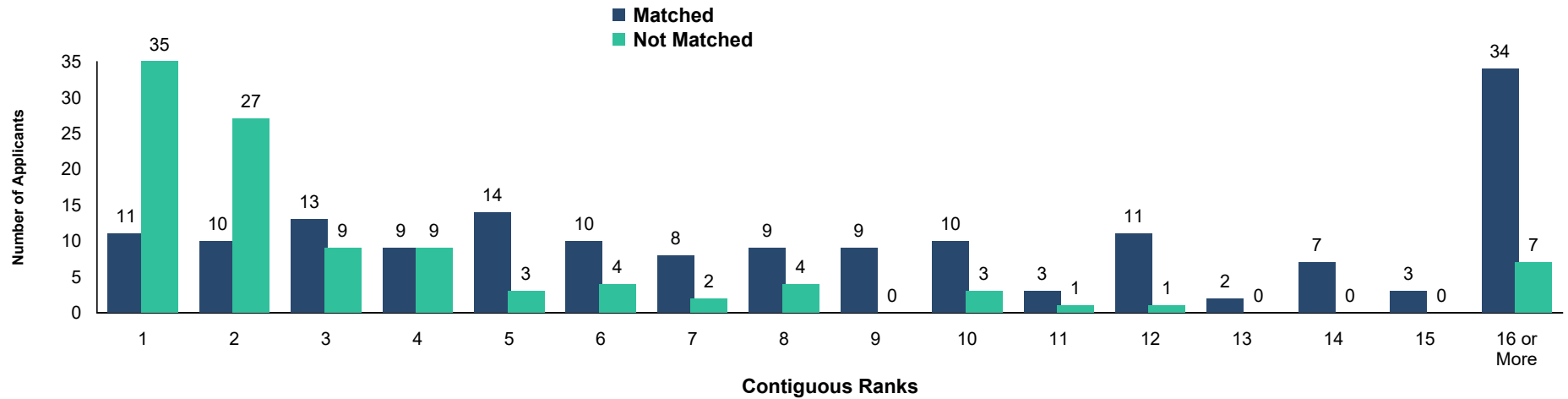
**Chart  
PTH-2**

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

**U.S. IMGs**

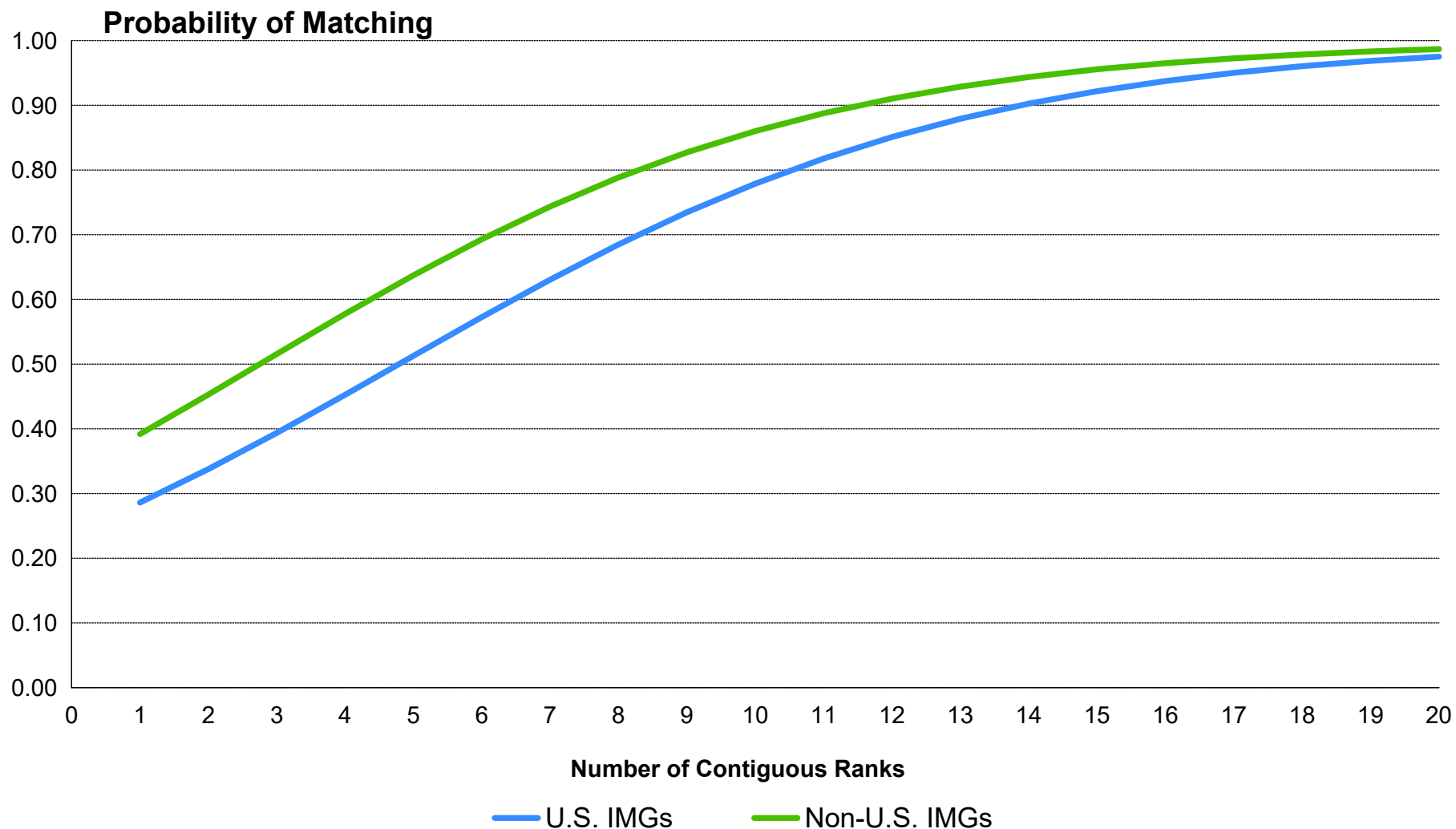


**Non-U.S. IMGs**



Source: NRMP Data Warehouse

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

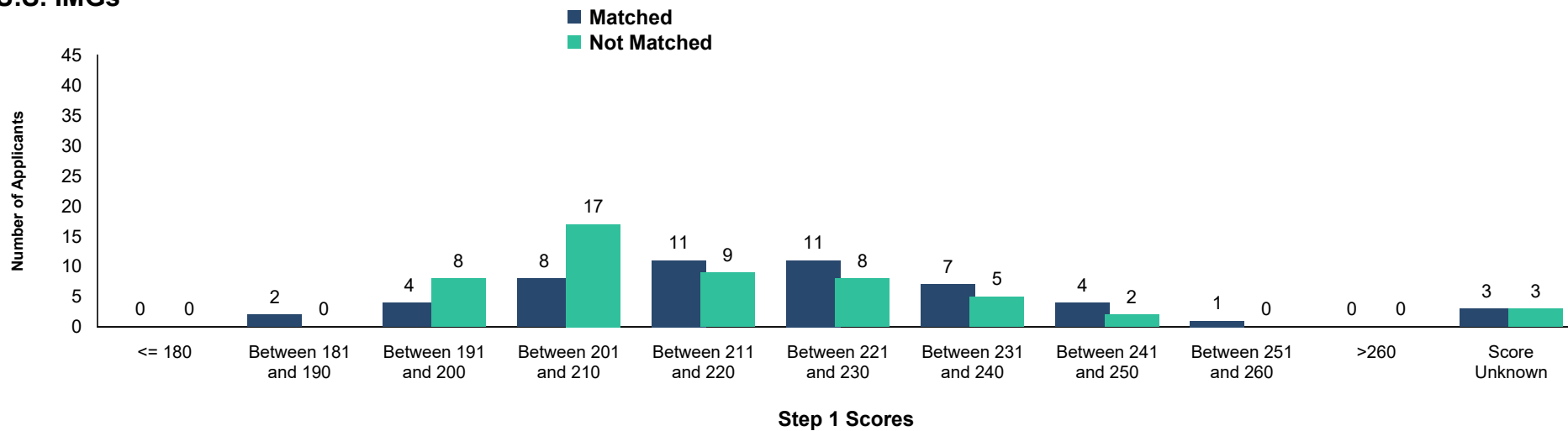


Source: NRMP Data Warehouse. Note: Probabilities calculated based on 2020-2022 applicants

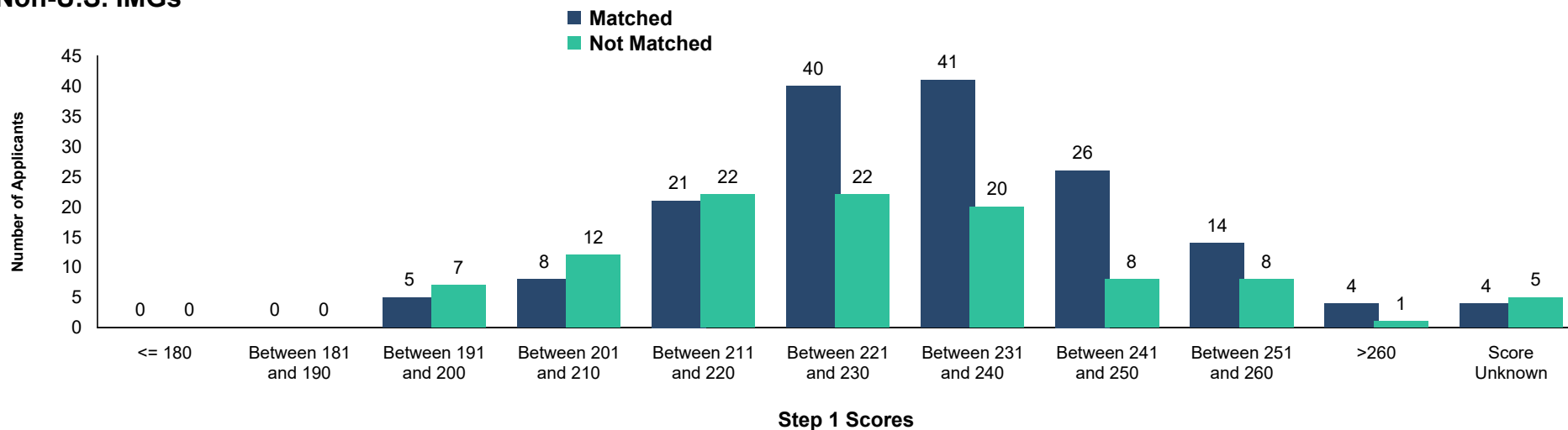


# USMLE Step 1 Scores of International Medical Graduates *Pathology*

## U.S. IMGs



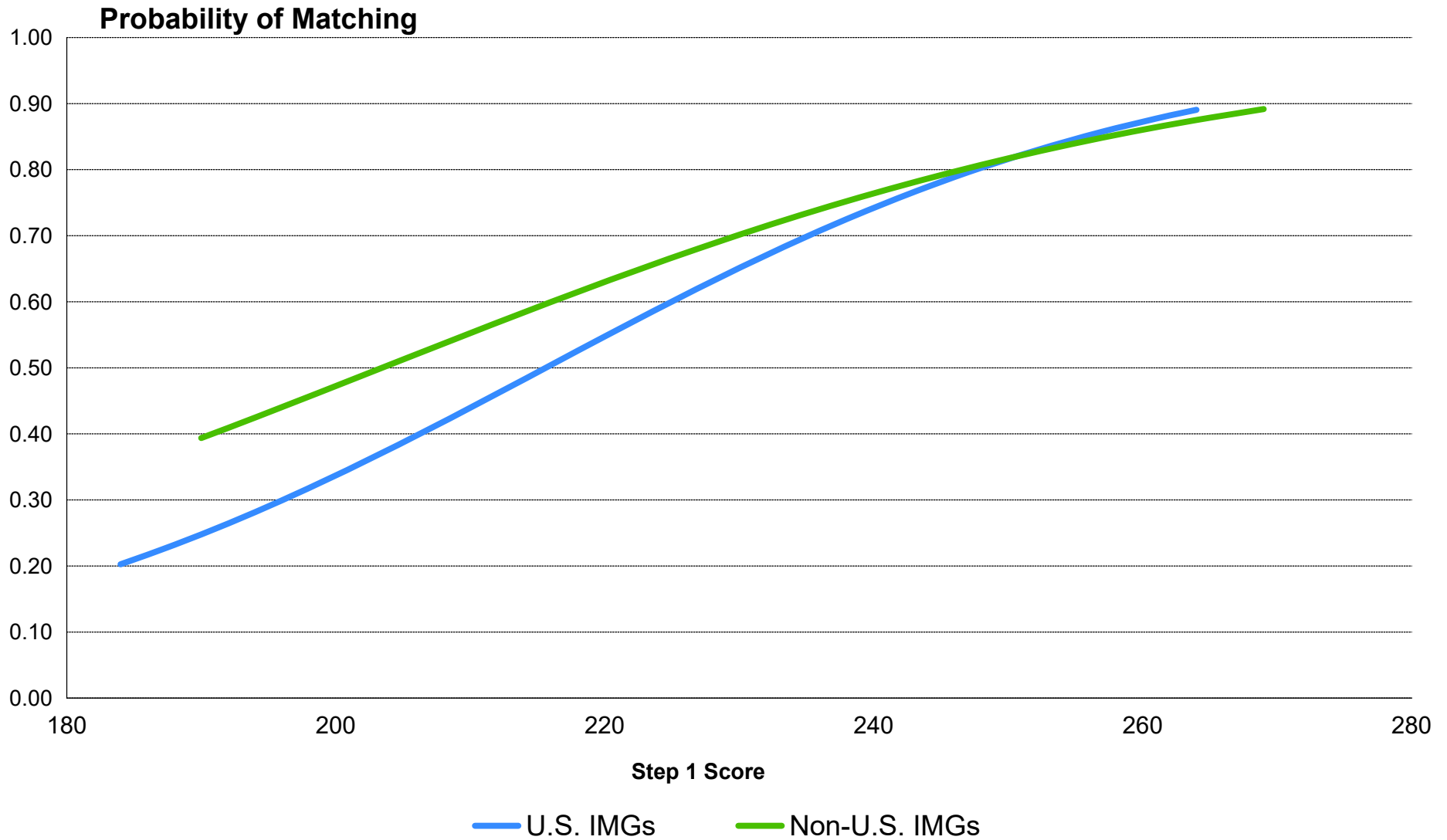
## Non-U.S. IMGs



Source: NRMP Data Warehouse

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

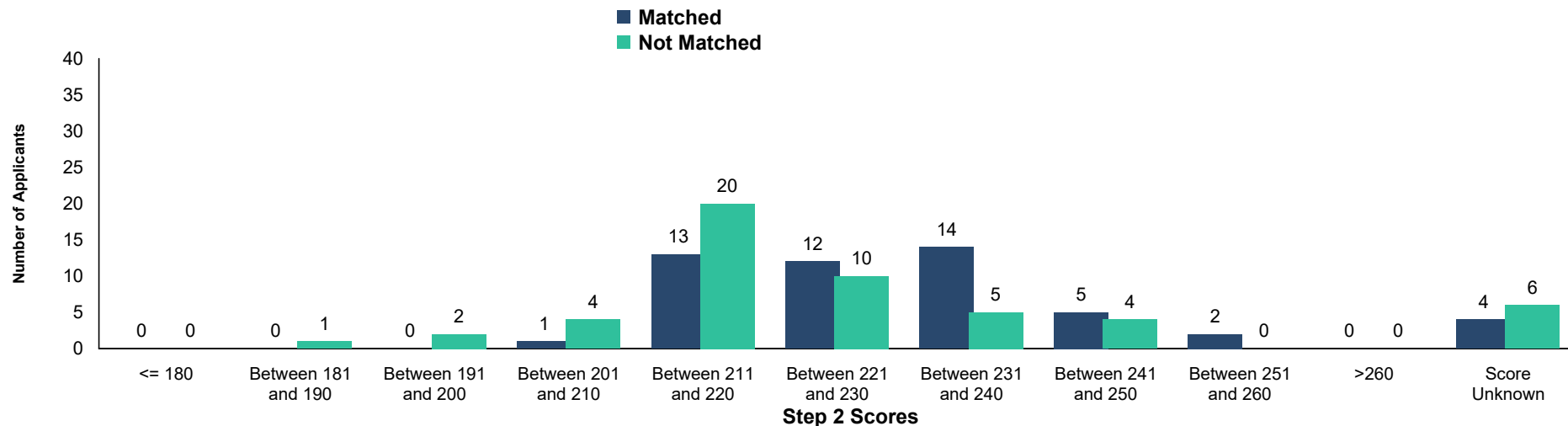
*Pathology*



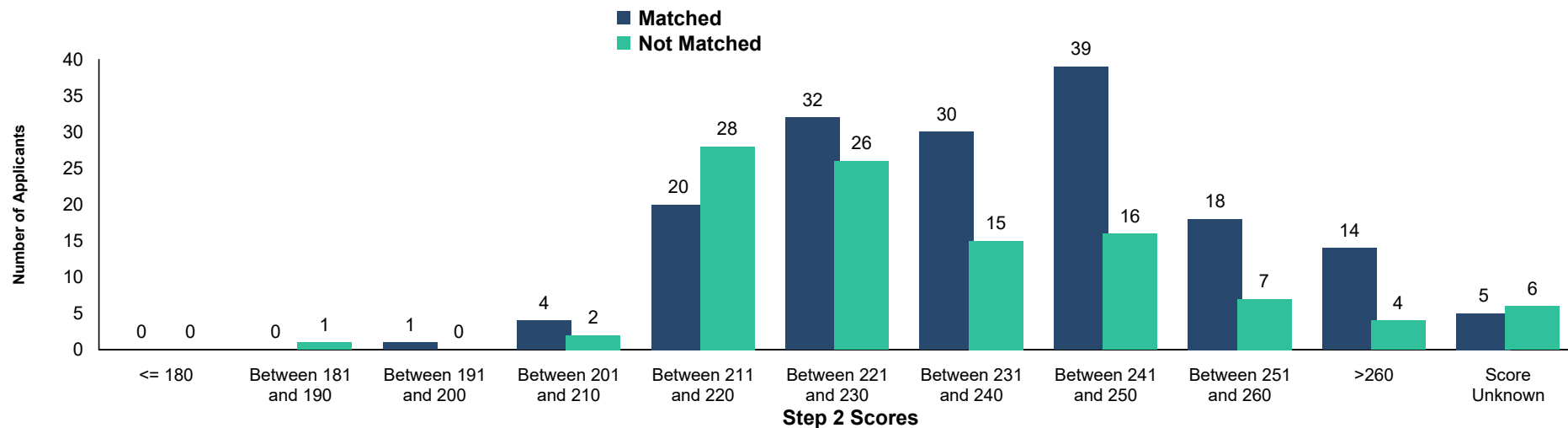
Source: NRMP Data Warehouse. Note: Probabilities calculated based on 2020-2022 applicants.

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

## U.S. IMGs



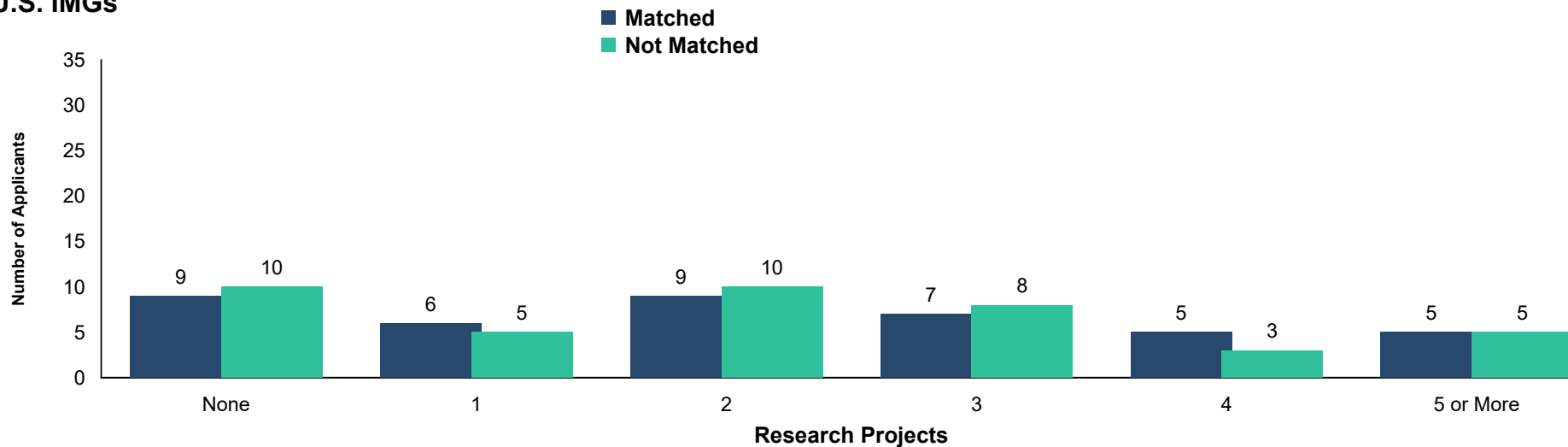
## Non-U.S. IMGs



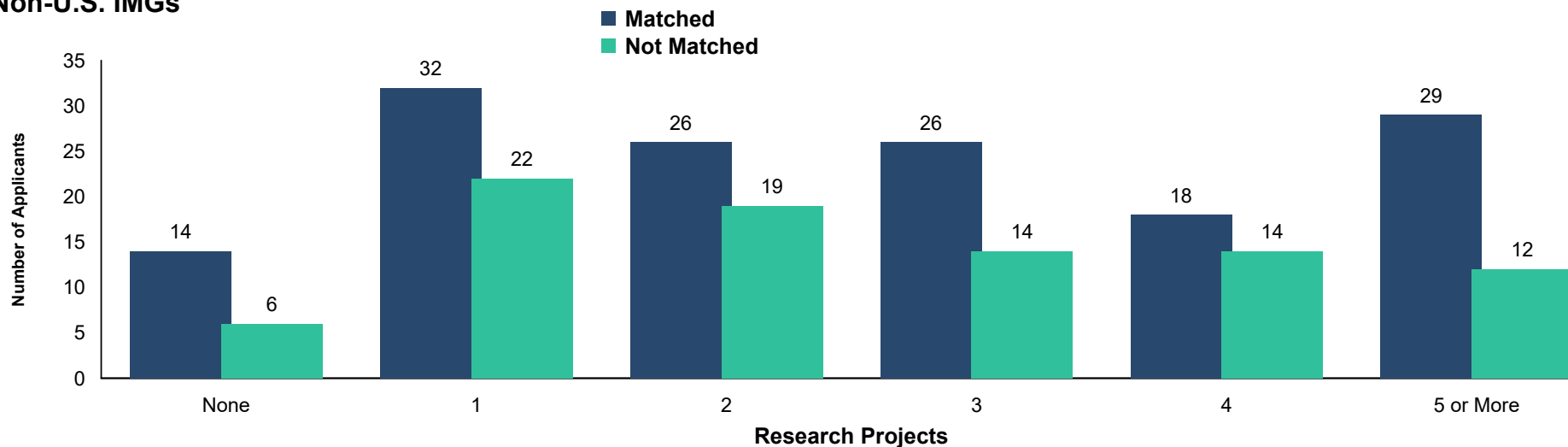
Source: NRMP Data Warehouse

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

### U.S. IMGs



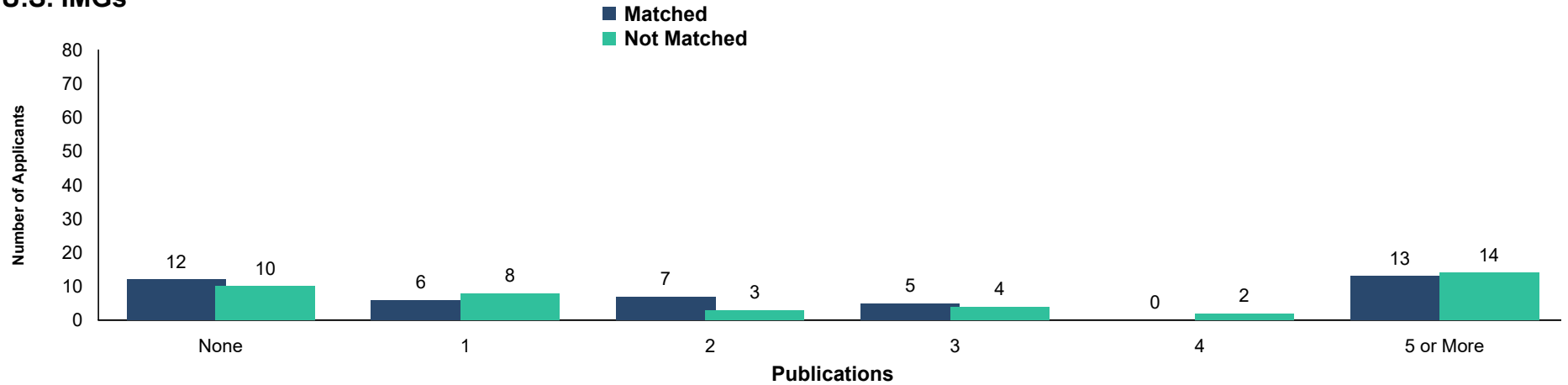
### Non-U.S. IMGs



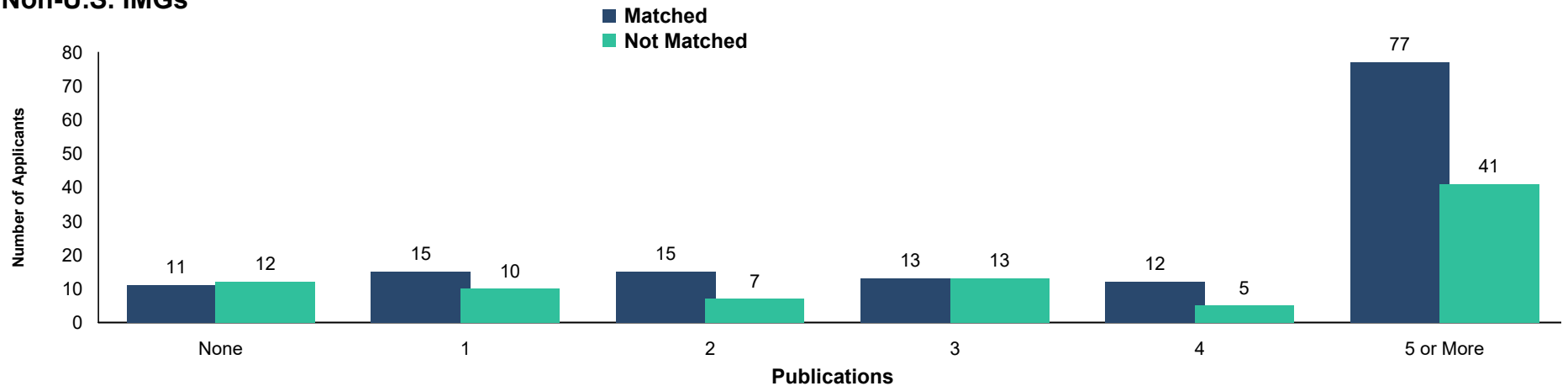
Source: NRMP Data Warehouse

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

**U.S. IMGs**



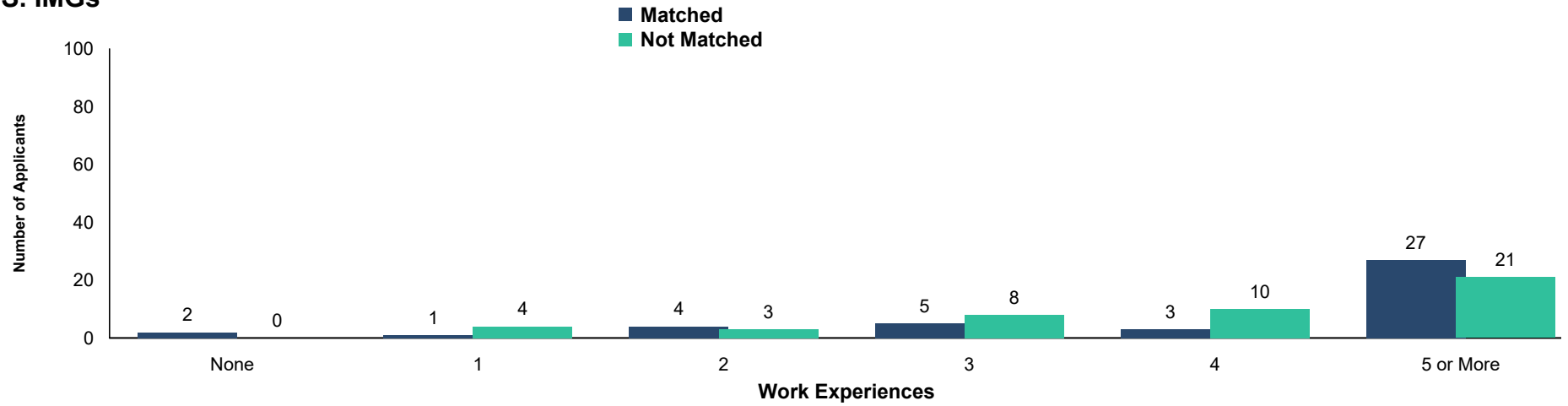
**Non-U.S. IMGs**



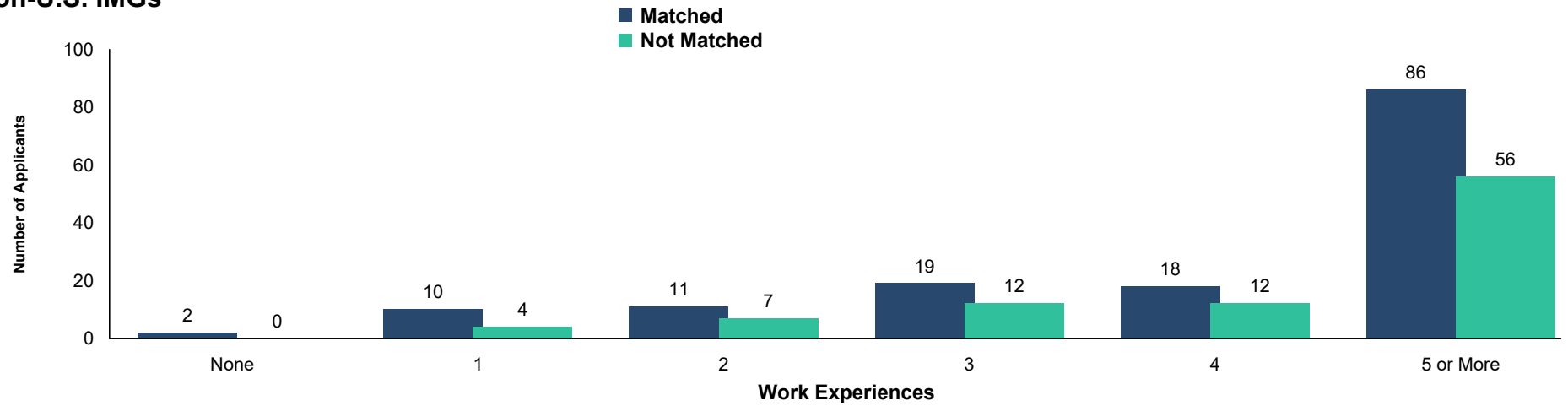
Source: NRMP Data Warehouse

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

**U.S. IMGs**



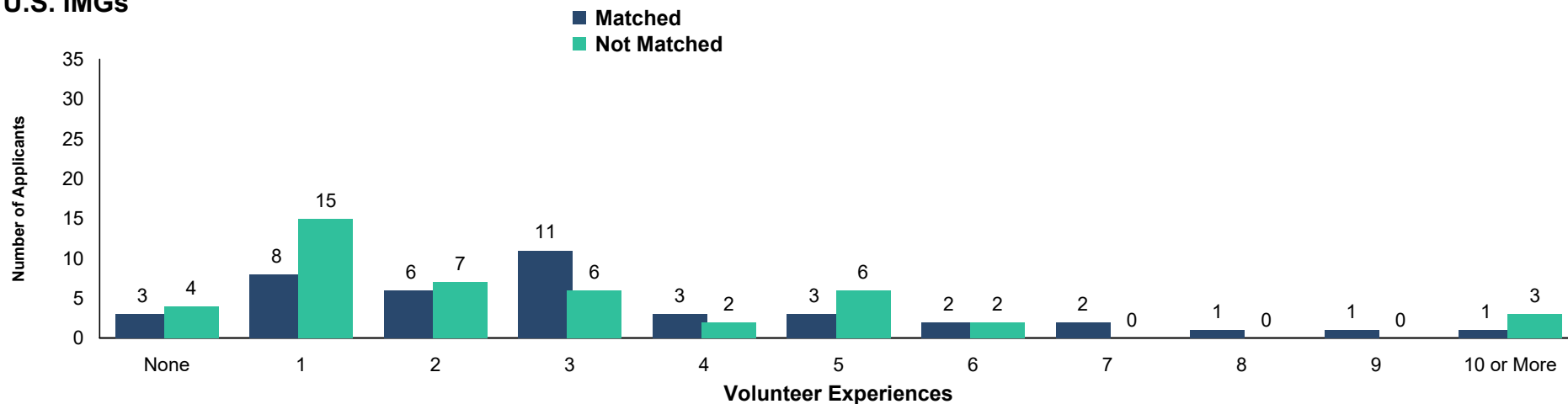
**Non-U.S. IMGs**



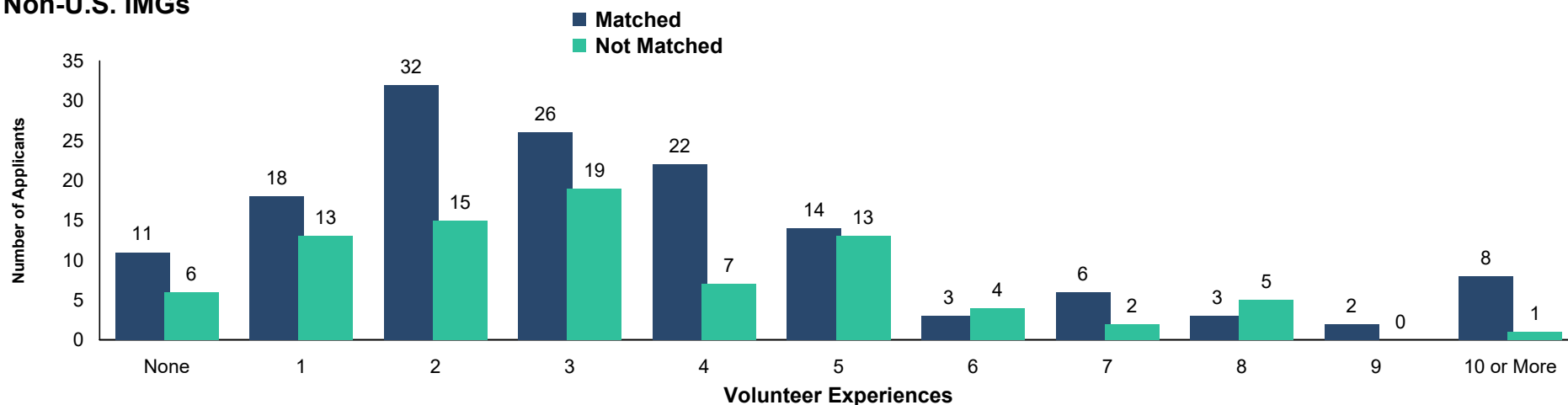
Source: NRMP Data Warehouse

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

## U.S. IMGs



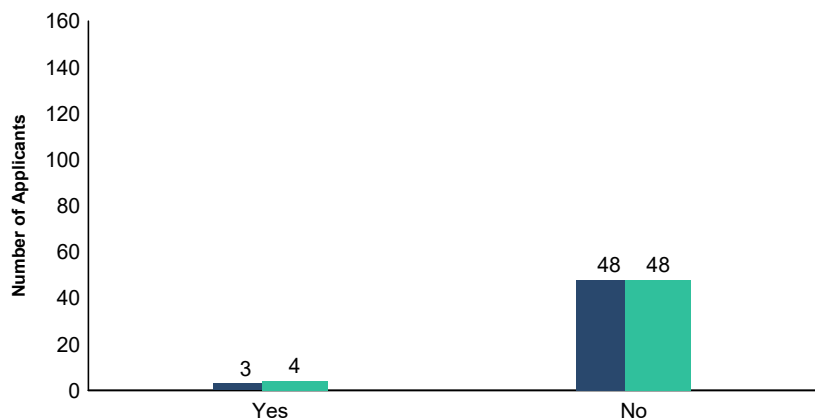
## Non-U.S. IMGs



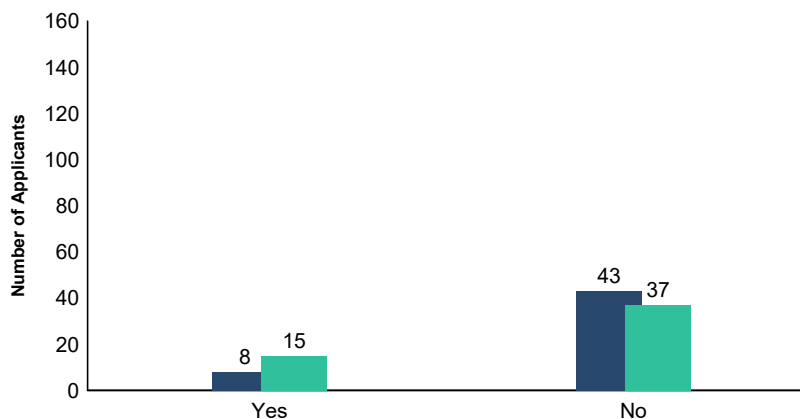
Source: NRMP Data Warehouse

**U.S. IMGs**

**Ph.D. Degree**

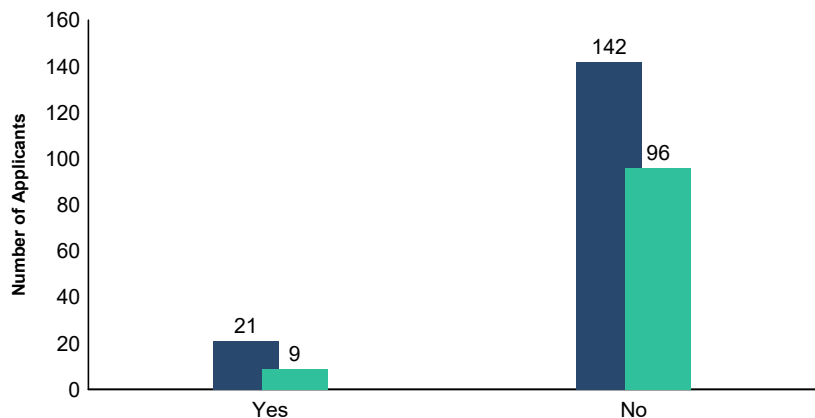


**Other Graduate Degree**

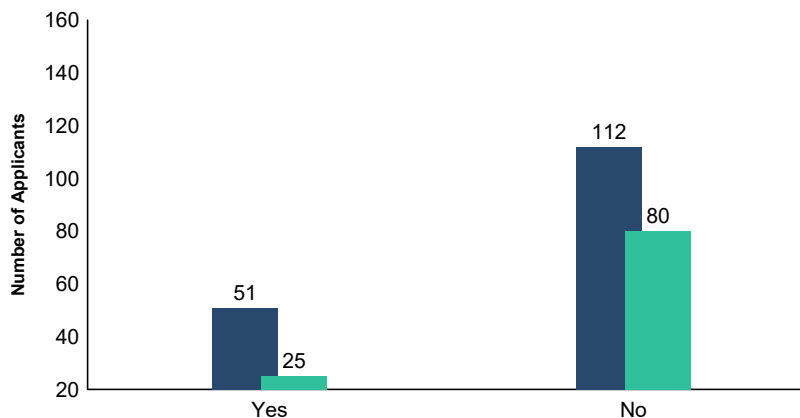


**Non-U.S. IMGs**

**Ph.D. Degree**



**Other Graduate Degree**



Source: NRMP Data Warehouse



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**PD** Pediatrics

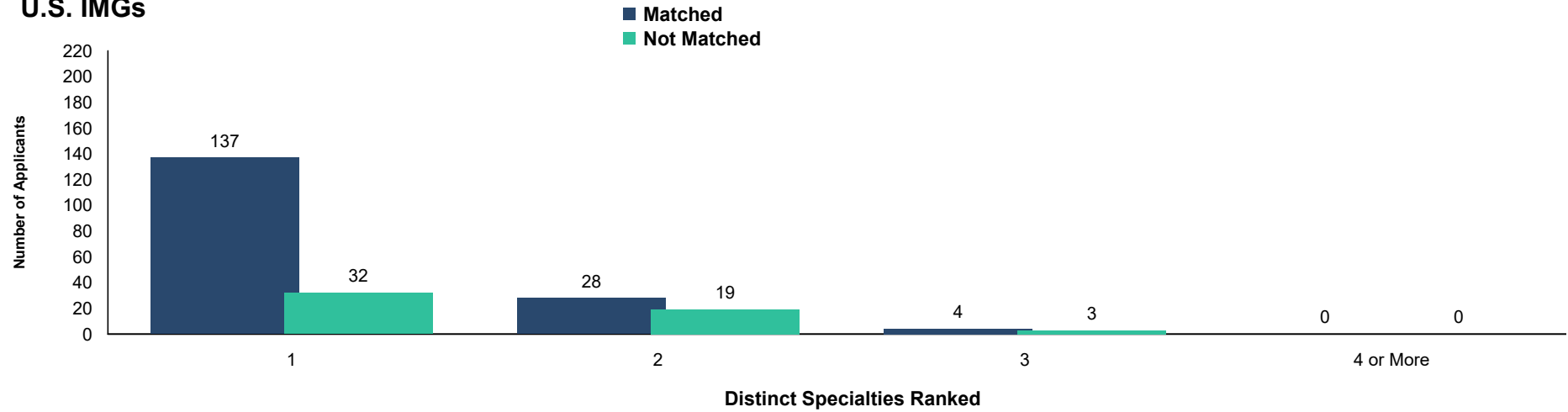
**Table PD-1** **Summary Statistics**  
**Pediatrics**

Measure	U.S. IMGs		Non-U.S. IMGs	
	Matched (n=169)	Unmatched (n=55)	Matched (n=276)	Unmatched (n=164)
1. Mean number of contiguous ranks	9.4	2.5	6.0	2.3
2. Mean number of distinct specialties ranked	1.2	1.5	1.3	1.3
3. Mean USMLE Step 1 score	220	209	229	219
4. Mean USMLE Step 2 score	233	221	240	230
5. Mean number of research experiences	2.0	1.6	2.8	4.7
6. Mean number of abstracts, presentations, and publications	2.9	2.1	5.7	4.7
7. Mean number of work experiences	5.4	6.1	6.1	6.6
8. Mean number of volunteer experiences	6.1	4.5	5.0	4.3
9. Percentage who have a Ph.D. degree	0.0	2.0	1.5	3.3
10. Percentage who have another graduate degree	19.0	30.6	19.4	27.3

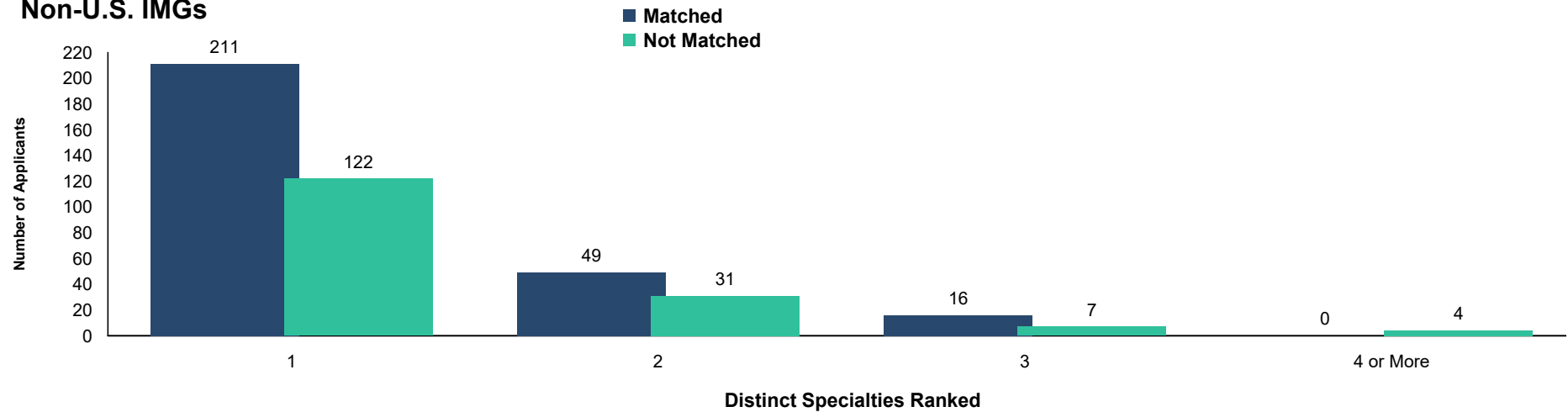
Note: Only applicants who gave consent to use their information in research are included.  
Source. NRMP Data Warehouse

# Number of Distinct Specialties Ranked by International Medical Graduates Pediatrics

## U.S. IMGs



## Non-U.S. IMGs

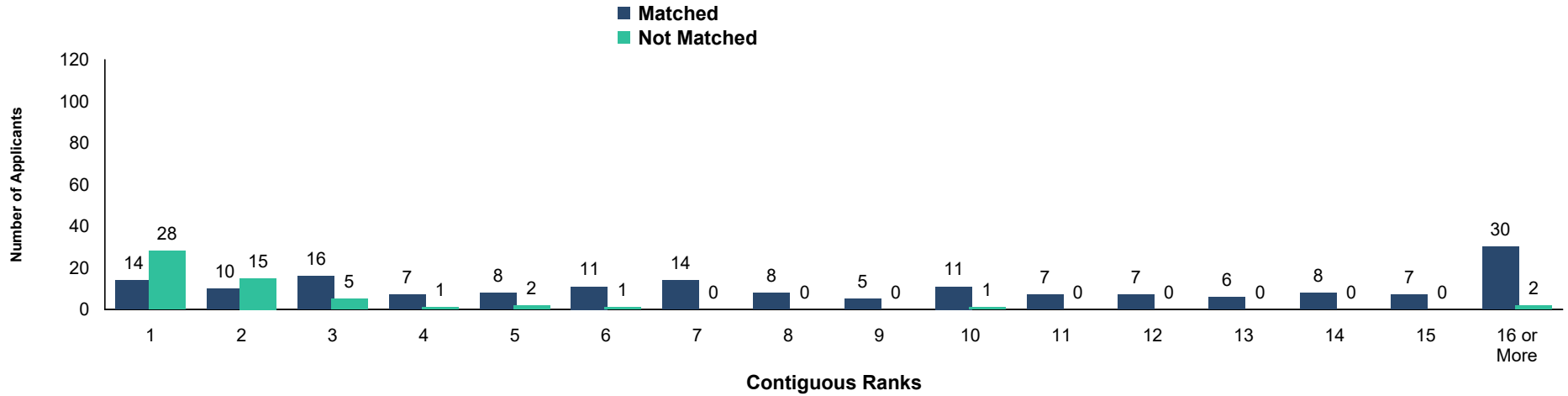


Source: NRMP Data Warehouse

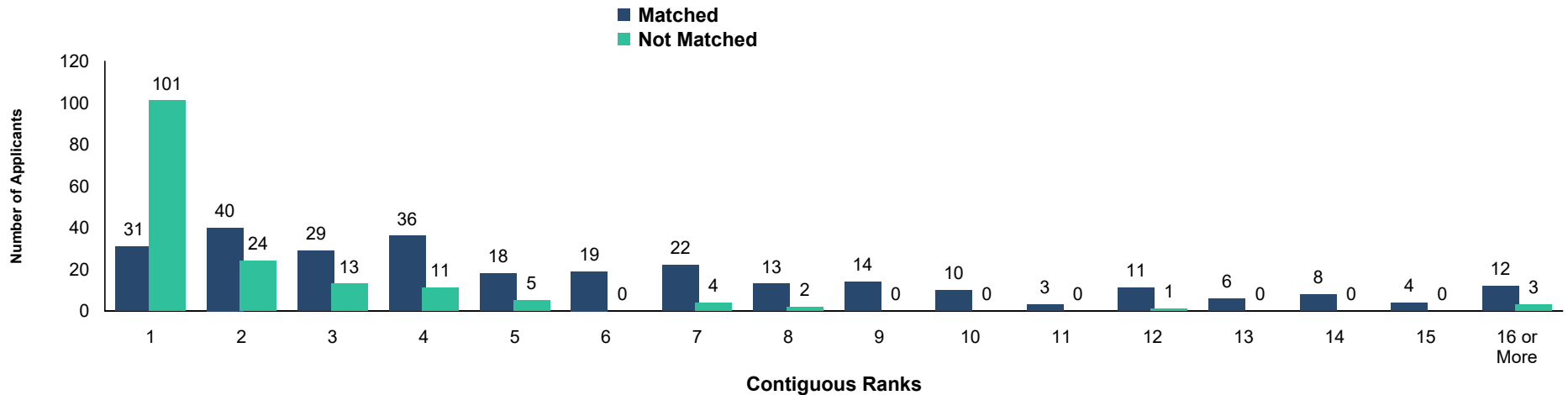
**Chart  
PD-2**

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

**U.S. IMGs**



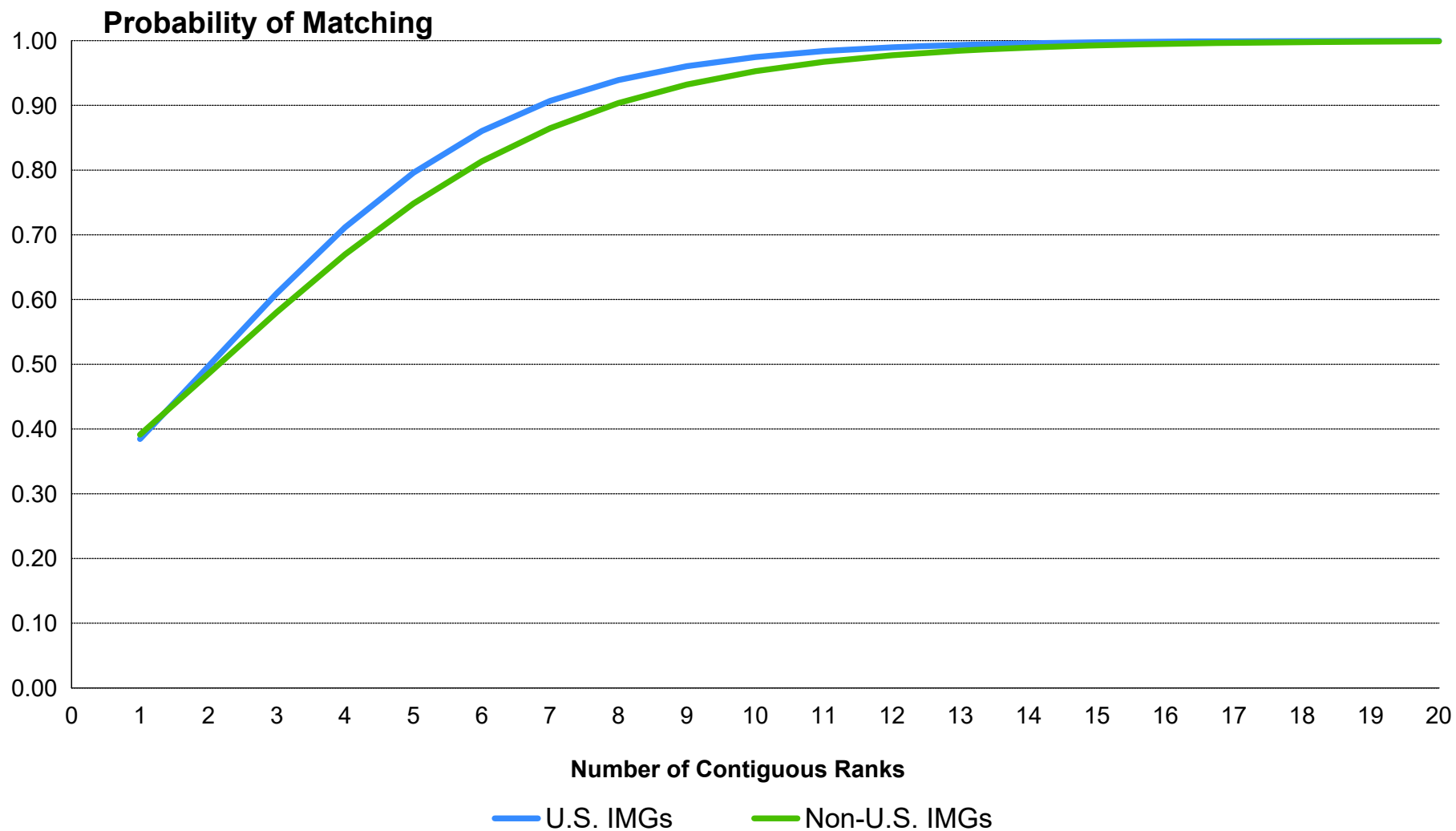
**Non-U.S. IMGs**



Source: NRMP Data Warehouse

**Graph  
PD-1**

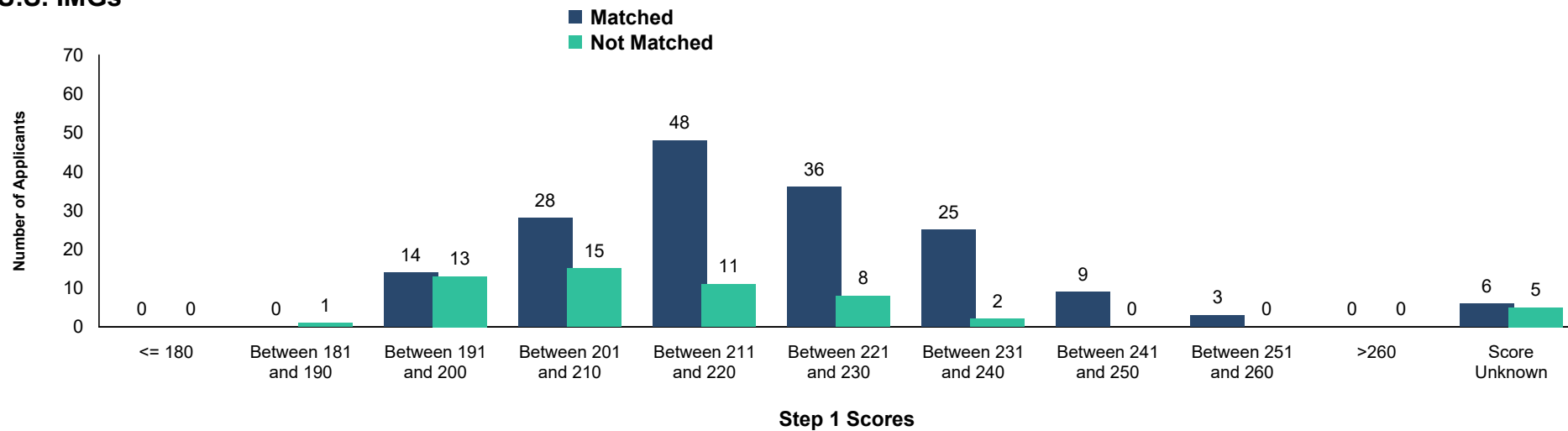
**Probability of International Medical Graduates Matching to Preferred Specialty by Number of Contiguous Ranks**  
*Pediatrics*



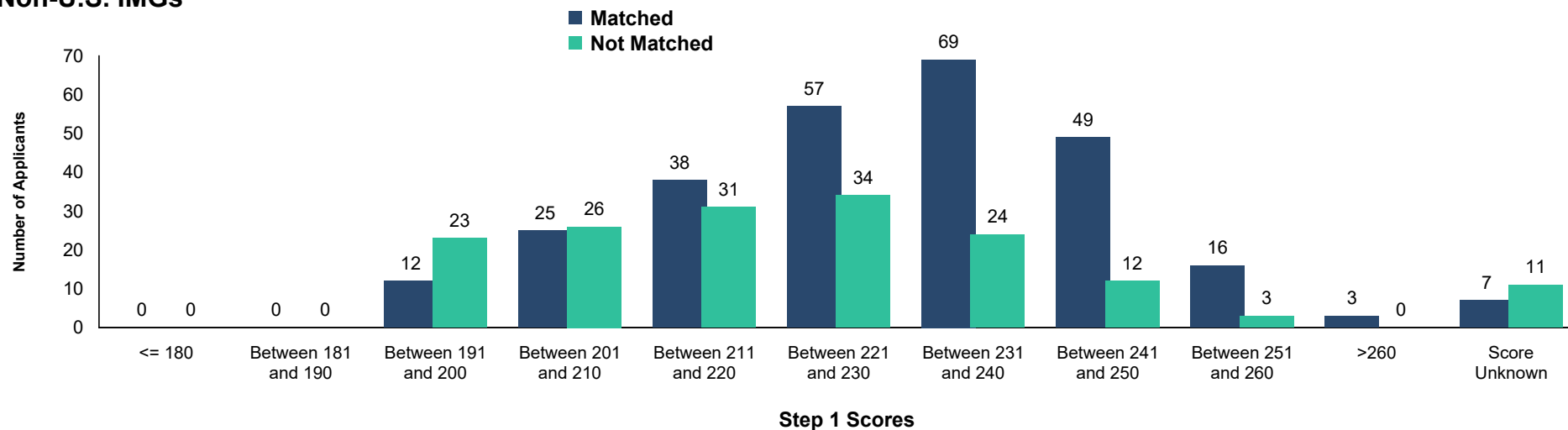
Source: NRMP Data Warehouse. Note: Probabilities calculated based on 2020-2022 applicants

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

## U.S. IMGs



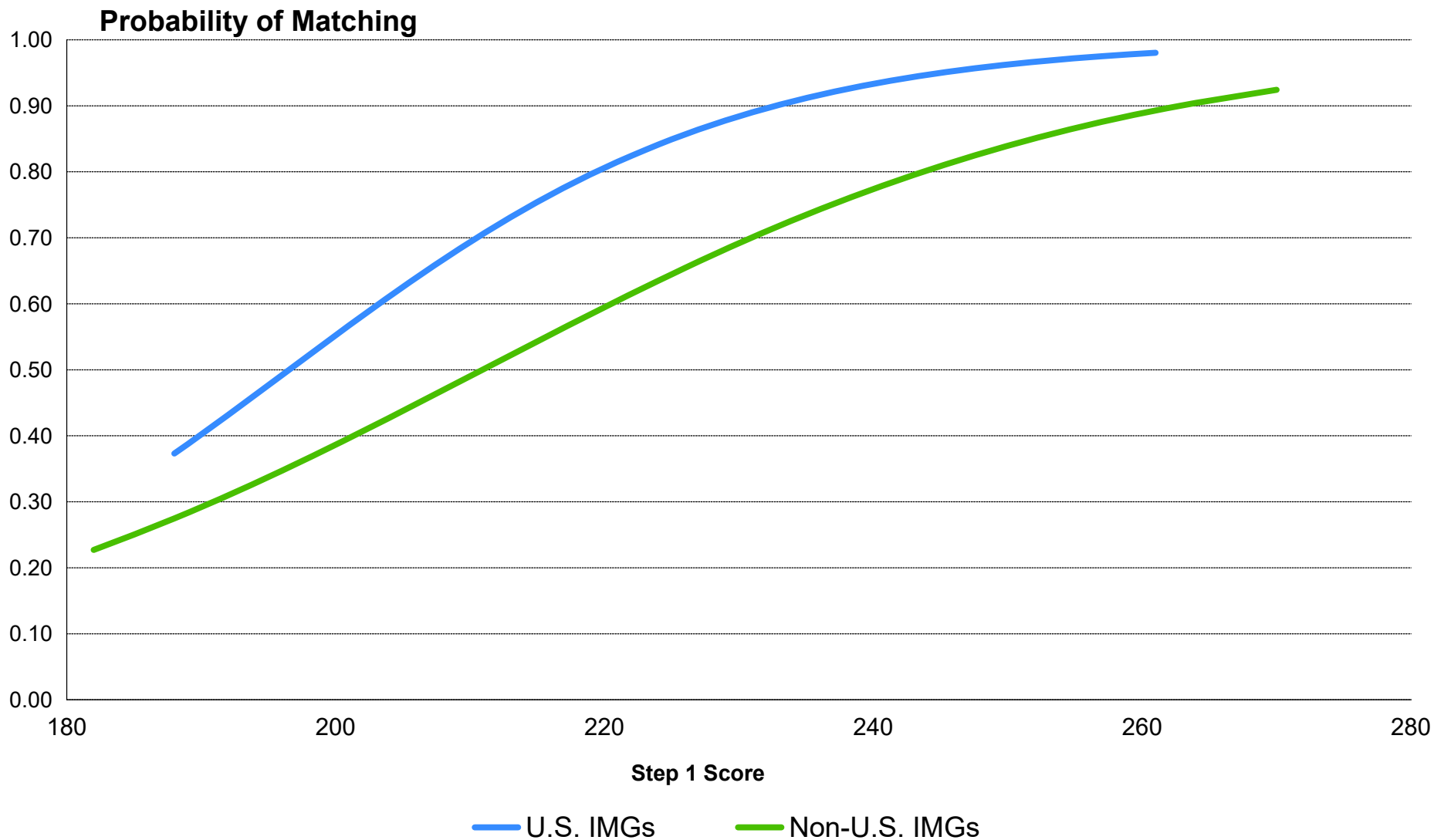
## Non-U.S. IMGs



Source: NRMP Data Warehouse

**Graph  
PD-2**

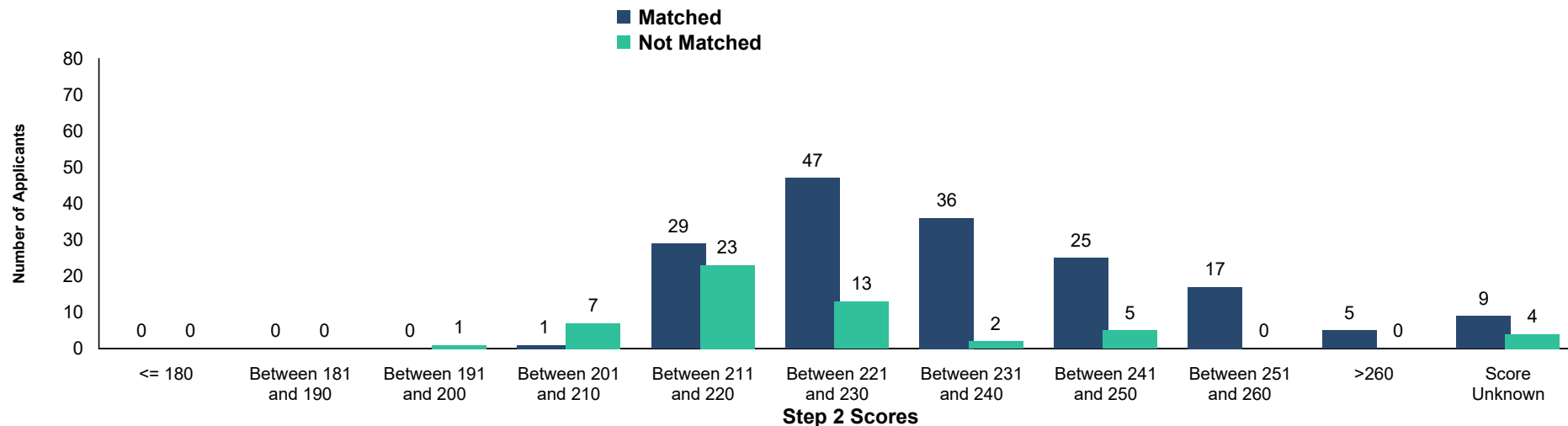
**Probability of International Medical Graduates Matching to Preferred Specialty by USMLE Step 1 Score**  
*Pediatrics*



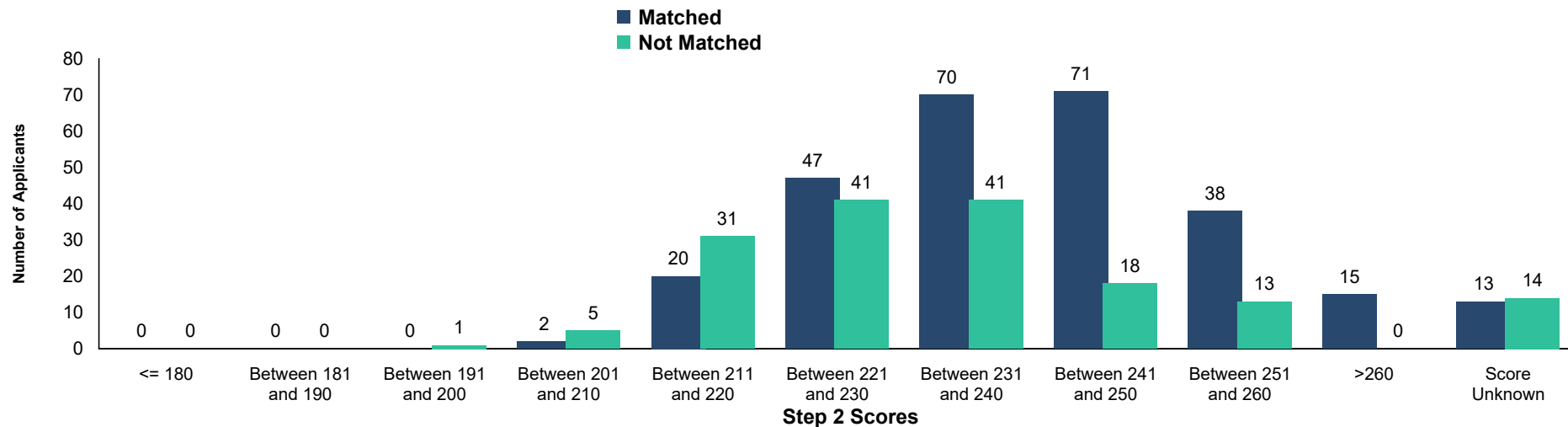
Source: NRMP Data Warehouse. Note: Probabilities calculated based on 2020-2022 applicants.

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

## U.S. IMGs



## Non-U.S. IMGs

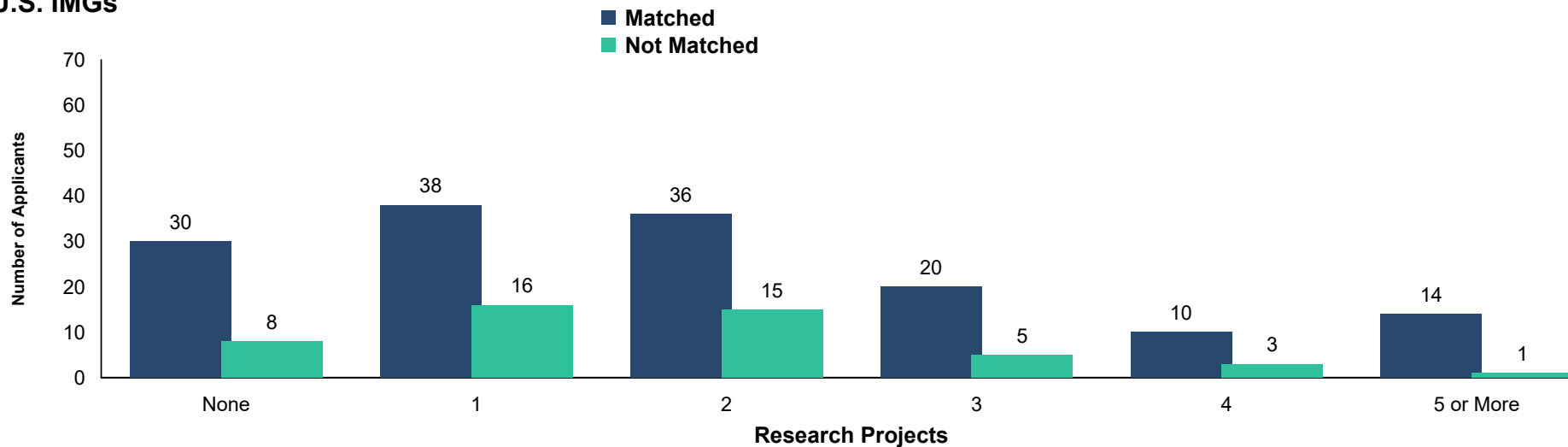


Source: NRMP Data Warehouse

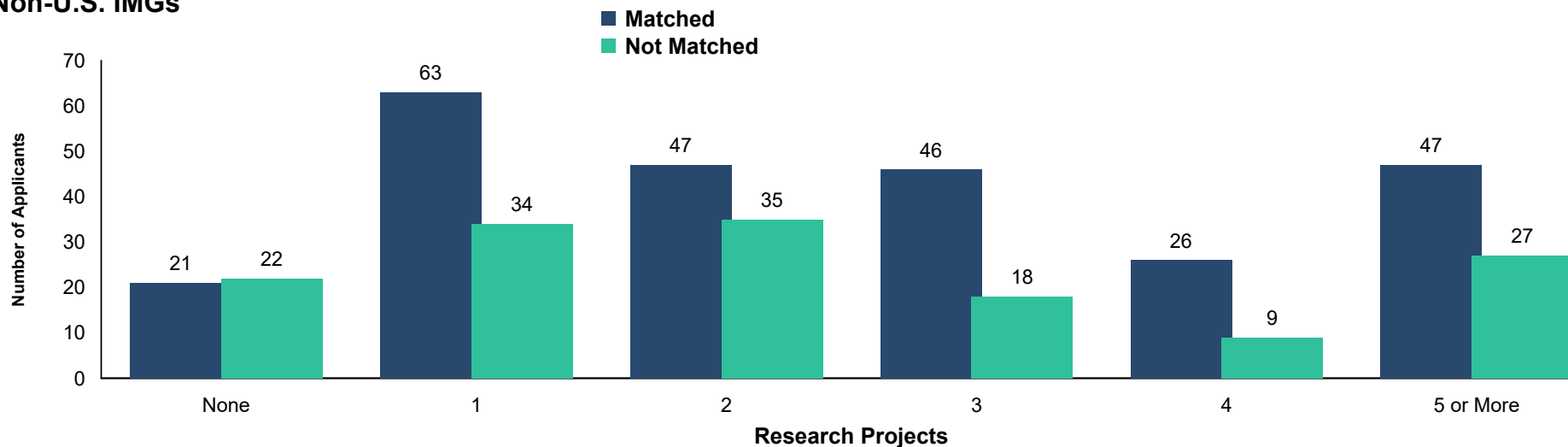


**Number of Research Projects of International Medical Graduates  
Pediatrics**

**U.S. IMGs**



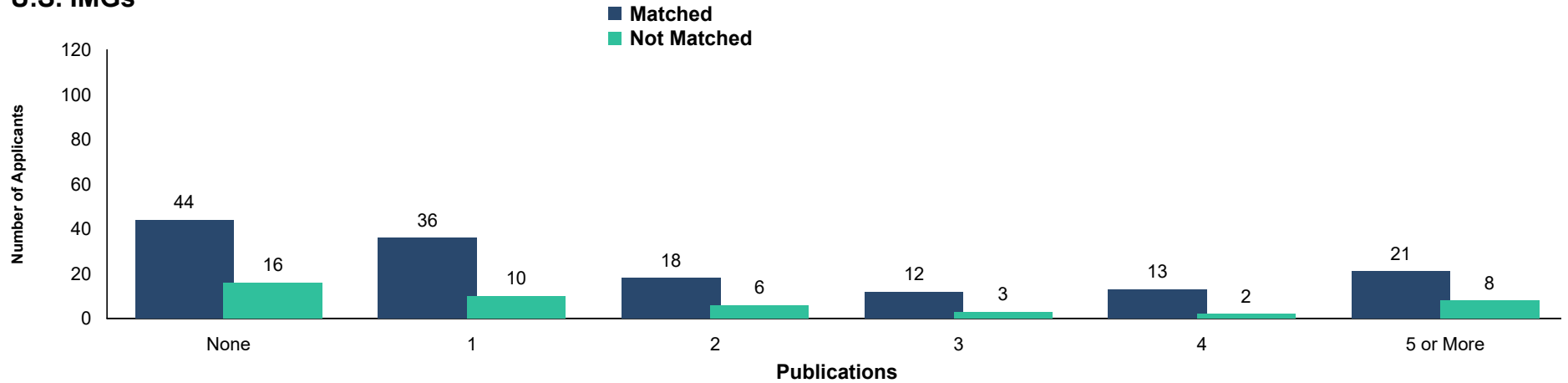
**Non-U.S. IMGs**



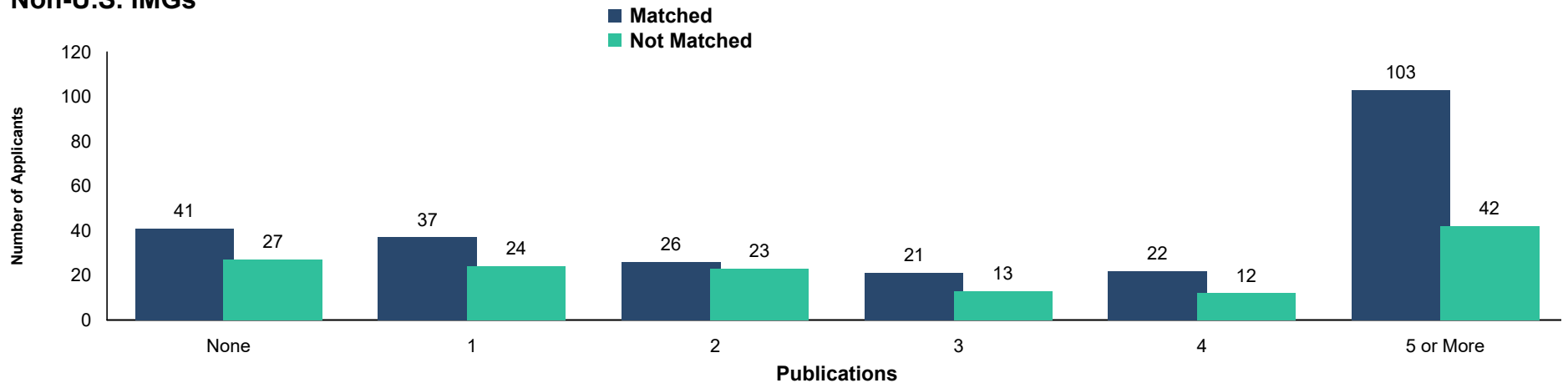
Source: NRMP Data Warehouse

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

**U.S. IMGs**



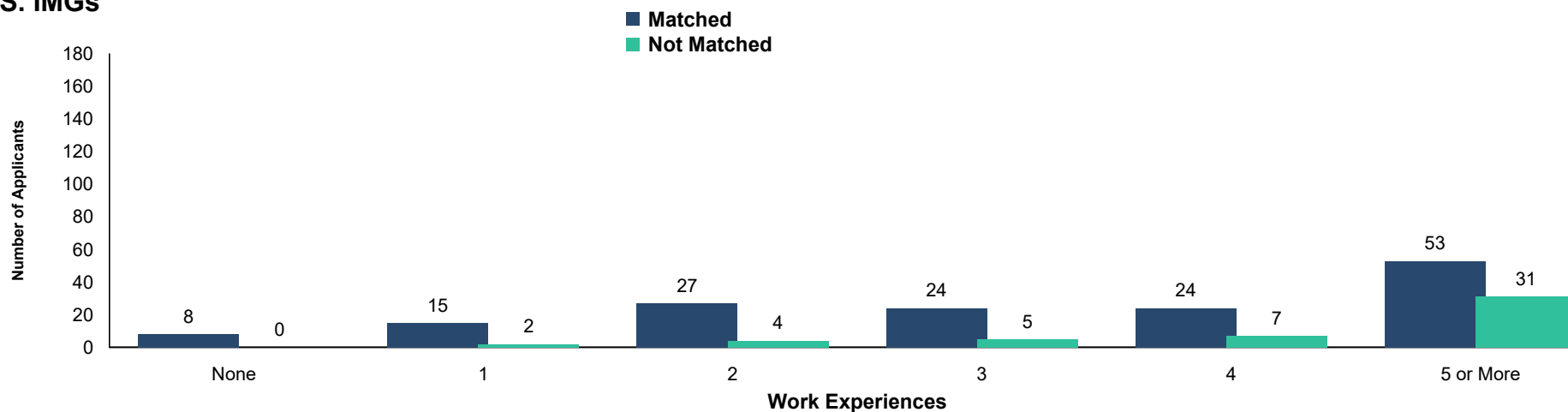
**Non-U.S. IMGs**



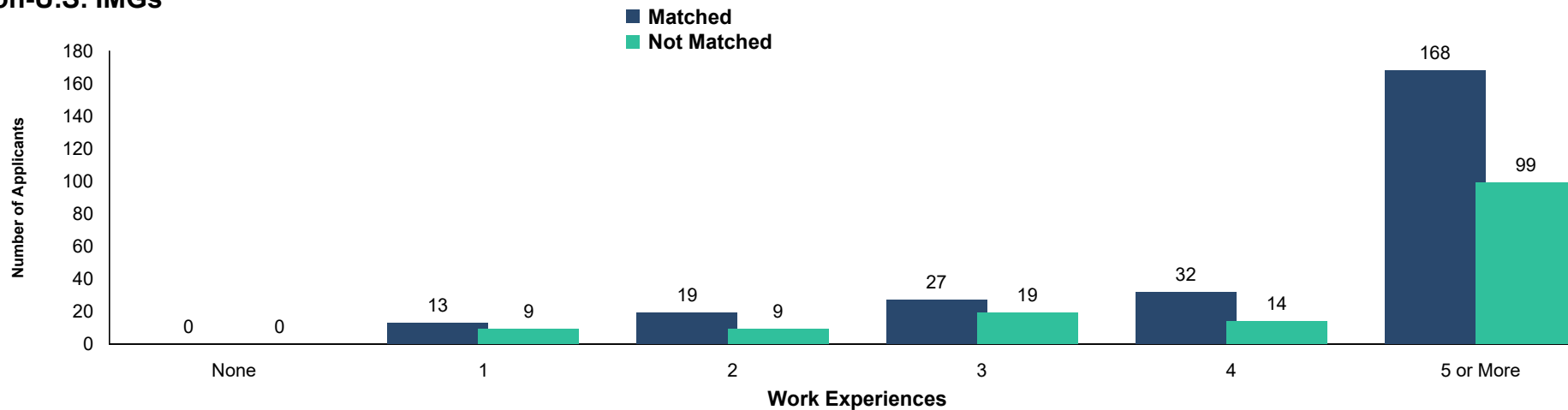
Source: NRMP Data Warehouse

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

## U.S. IMGs



## Non-U.S. IMGs

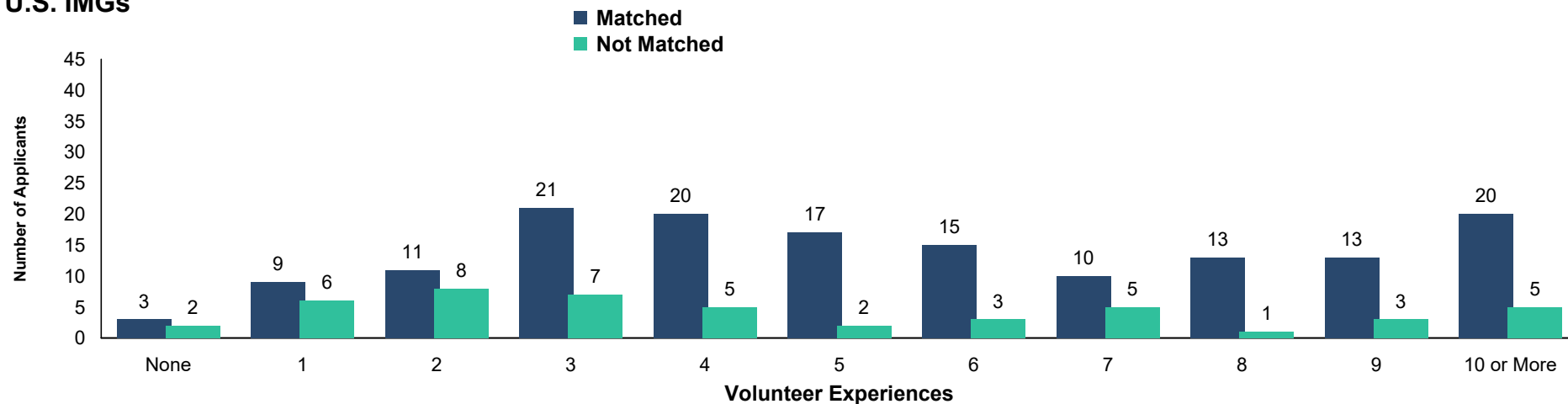


Source: NRMP Data Warehouse

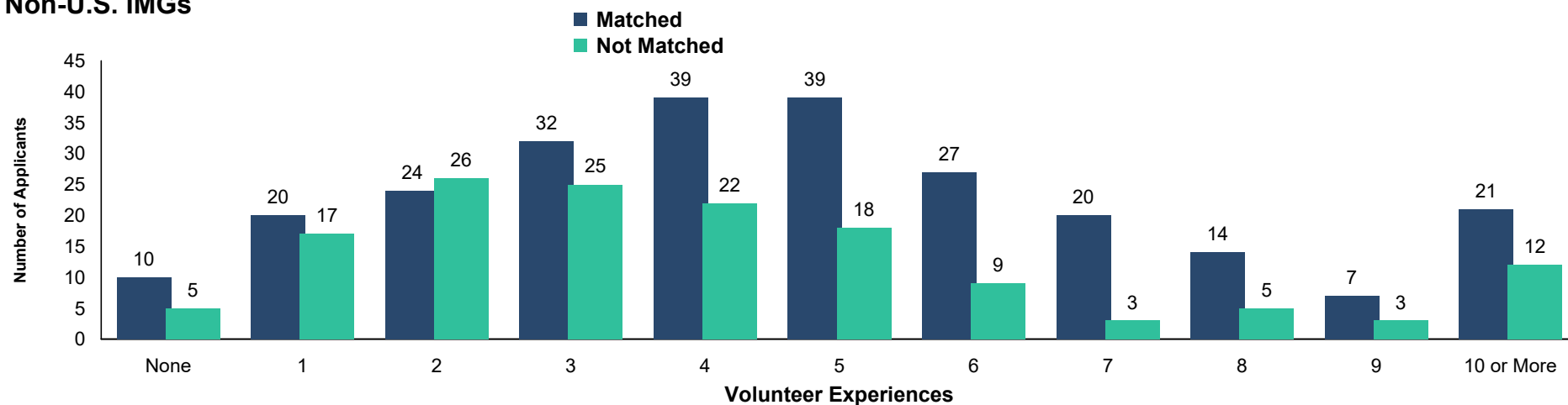
**Chart  
PD-8**

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

**U.S. IMGs**



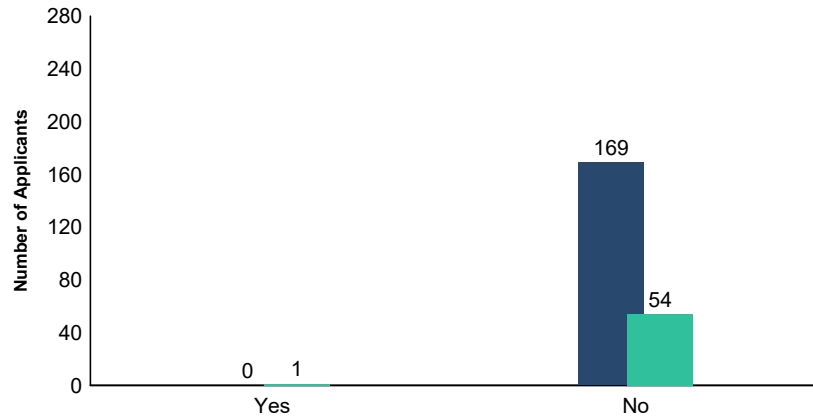
**Non-U.S. IMGs**



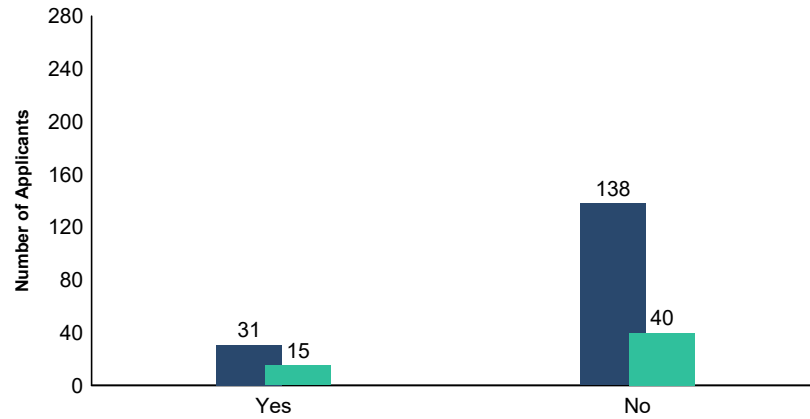
Source: NRMP Data Warehouse

**U.S. IMGs**

**Ph.D. Degree**

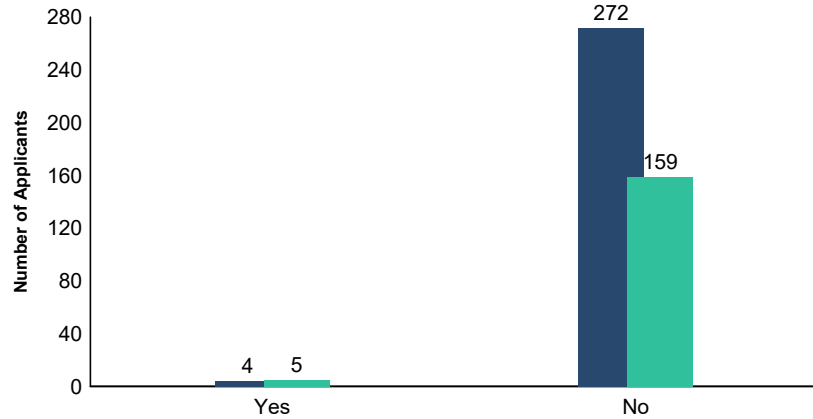


**Other Graduate Degree**

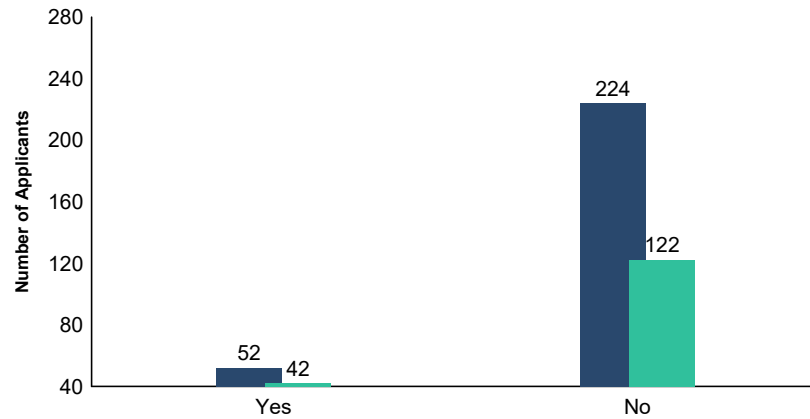


**Non-U.S. IMGs**

**Ph.D. Degree**



**Other Graduate Degree**



Source: NRMP Data Warehouse

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**PM** Physical Medicine and Rehabilitation

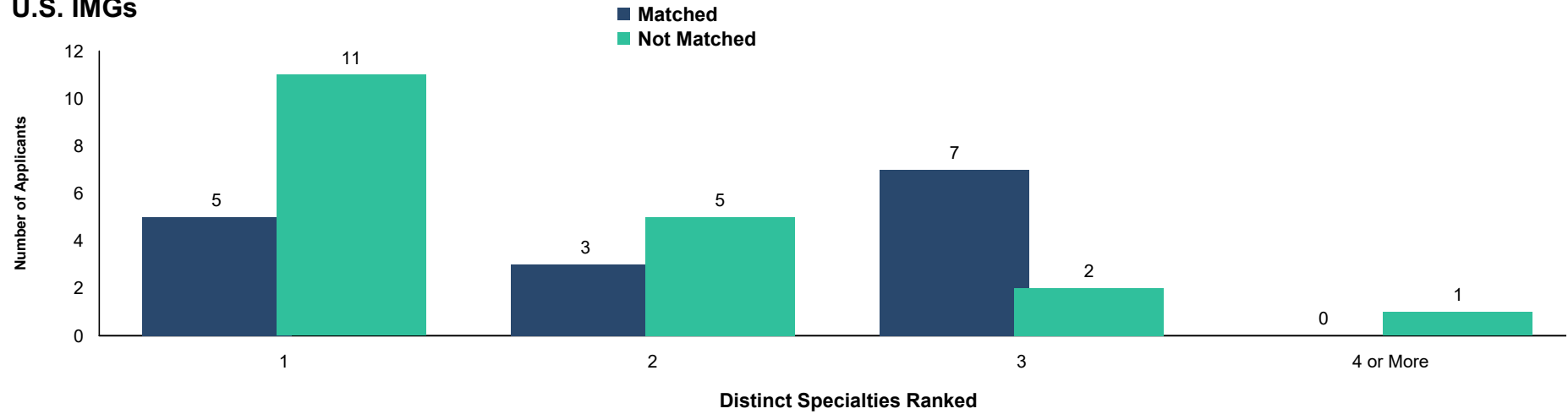
Measure	U.S. IMGs		Non-U.S. IMGs	
	Matched (n=15)	Unmatched (n=19)	Matched (n=10)	Unmatched (n=14)
1. Mean number of contiguous ranks	4.5	3.1	2.7	2.0
2. Mean number of distinct specialties ranked	2.1	1.6	1.9	1.5
3. Mean USMLE Step 1 score	220	218	226	226
4. Mean USMLE Step 2 score	227	229	237	228
5. Mean number of research experiences	1.8	1.7	2.3	4.0
6. Mean number of abstracts, presentations, and publications	3.7	3.1	5.5	14.8
7. Mean number of work experiences	6.2	5.8	5.6	5.4
8. Mean number of volunteer experiences	7.2	4.8	3.6	4.2
9. Percentage who have a Ph.D. degree	0.0	0.0	0.0	15.4
10. Percentage who have another graduate degree	33.3	27.8	33.3	38.5

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

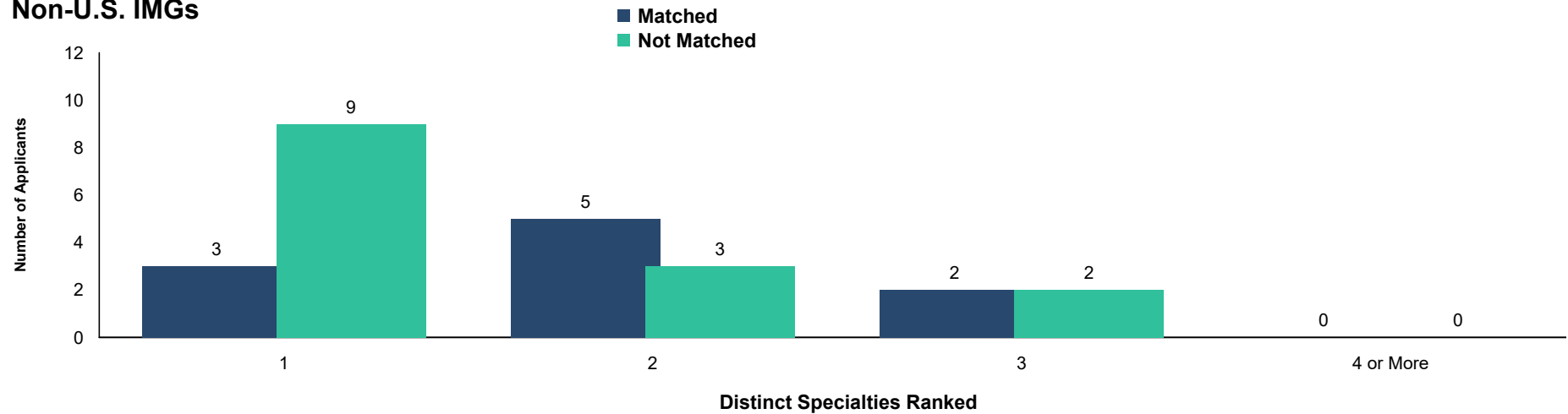
**Chart  
PM-1**

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

**U.S. IMGs**



**Non-U.S. IMGs**



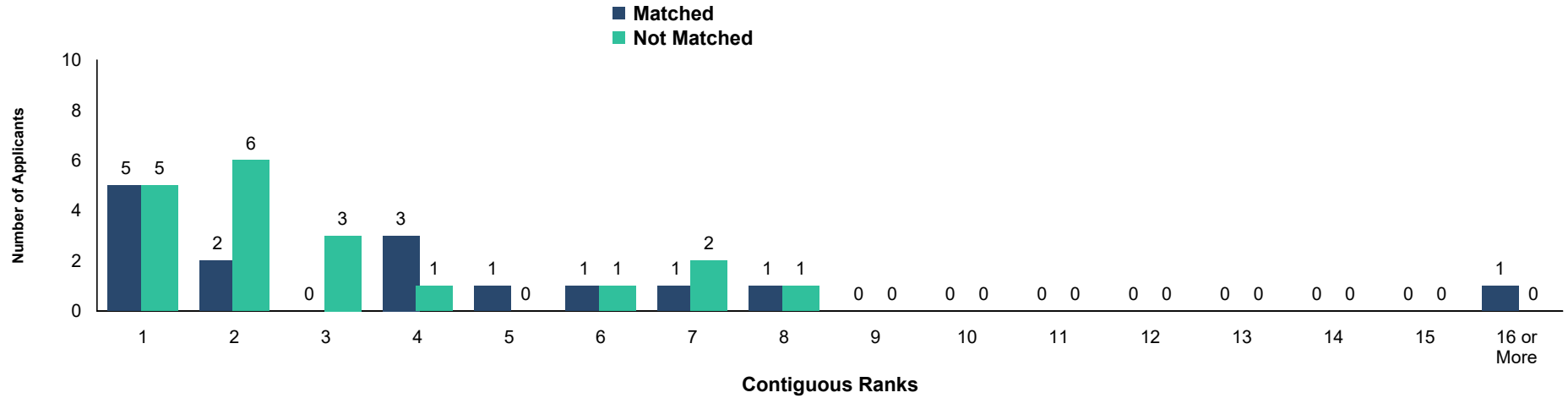
Source: NRMP Data Warehouse



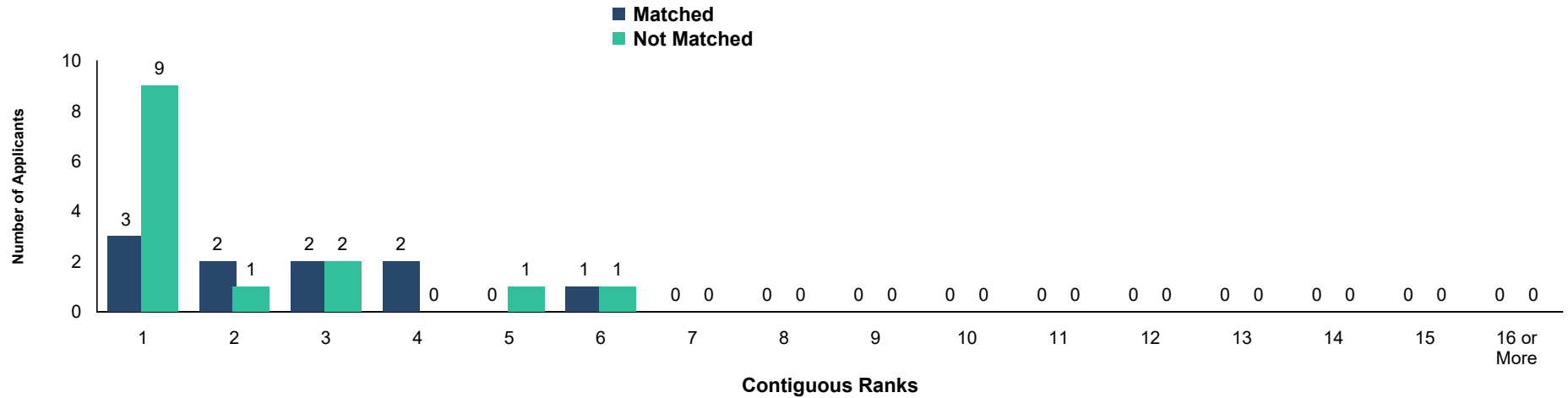
**Chart  
PM-2**

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

**U.S. IMGs**



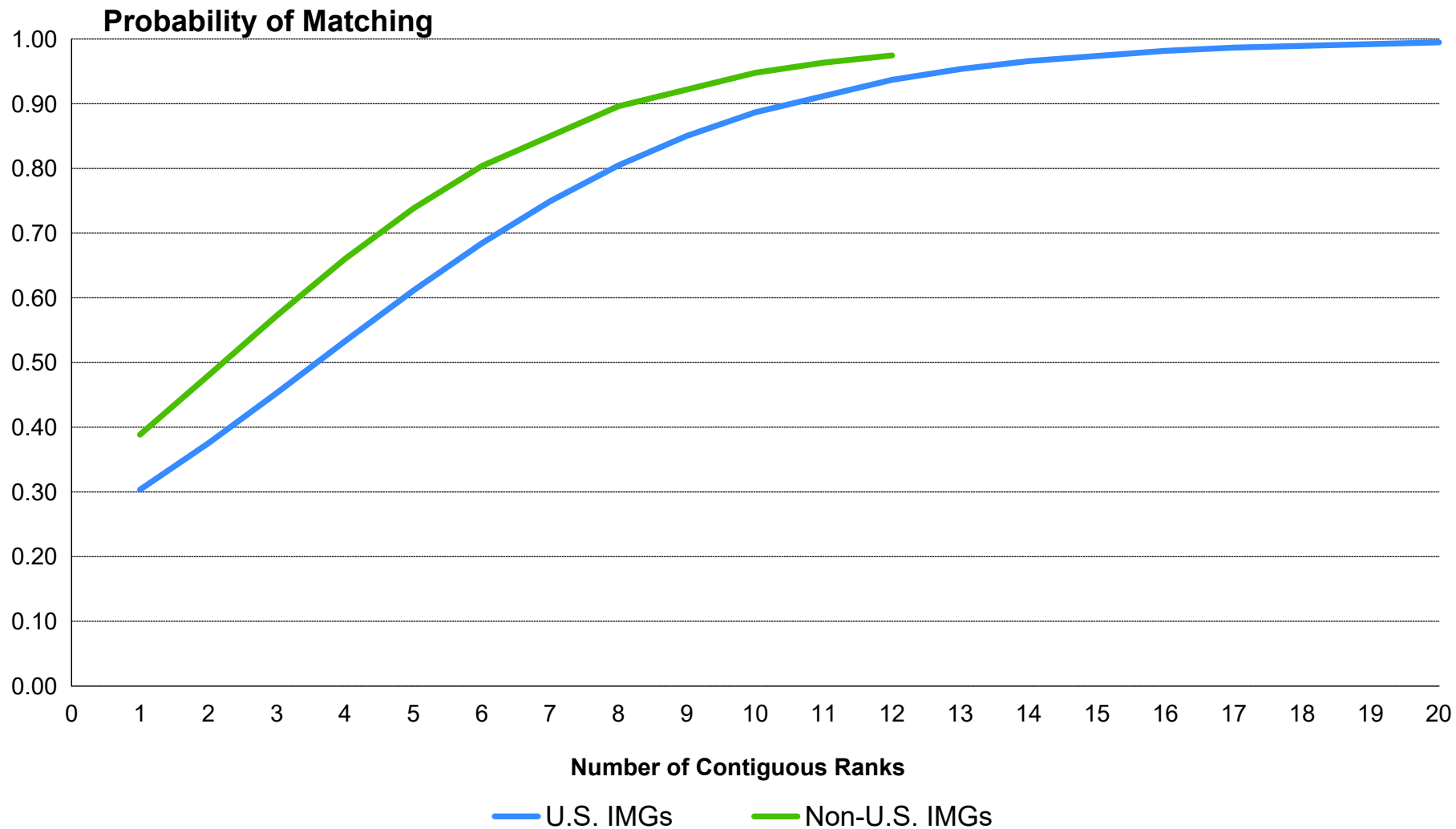
**Non-U.S. IMGs**



Source: NRMP Data Warehouse

**Graph  
PM-1**

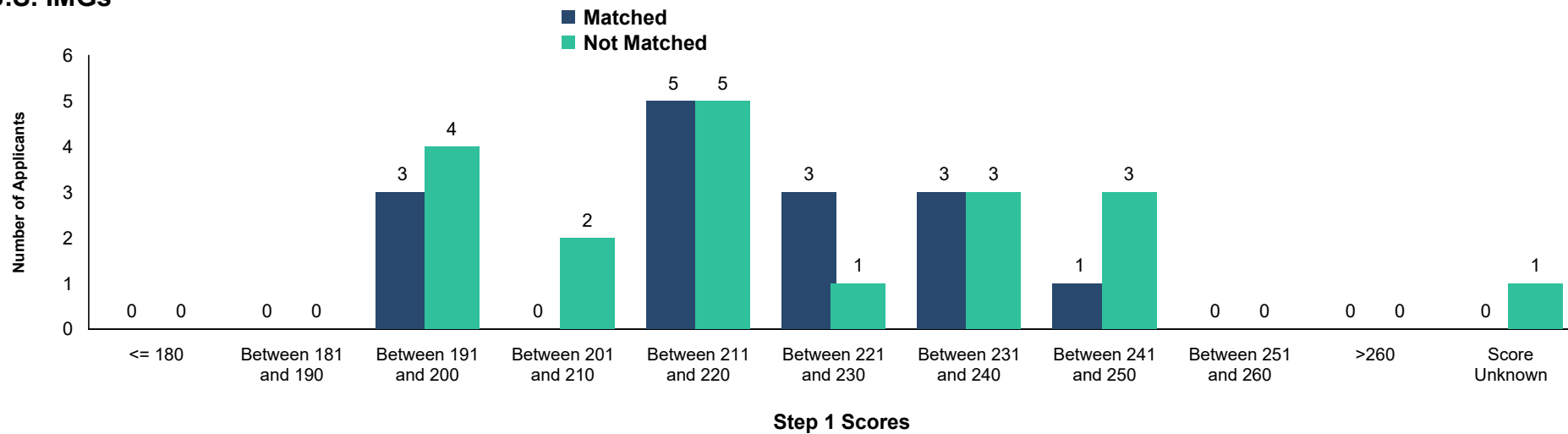
**Probability of International Medical Graduates Matching to Preferred Specialty by Number of Contiguous Ranks**  
*Physical Medicine and Rehabilitation*



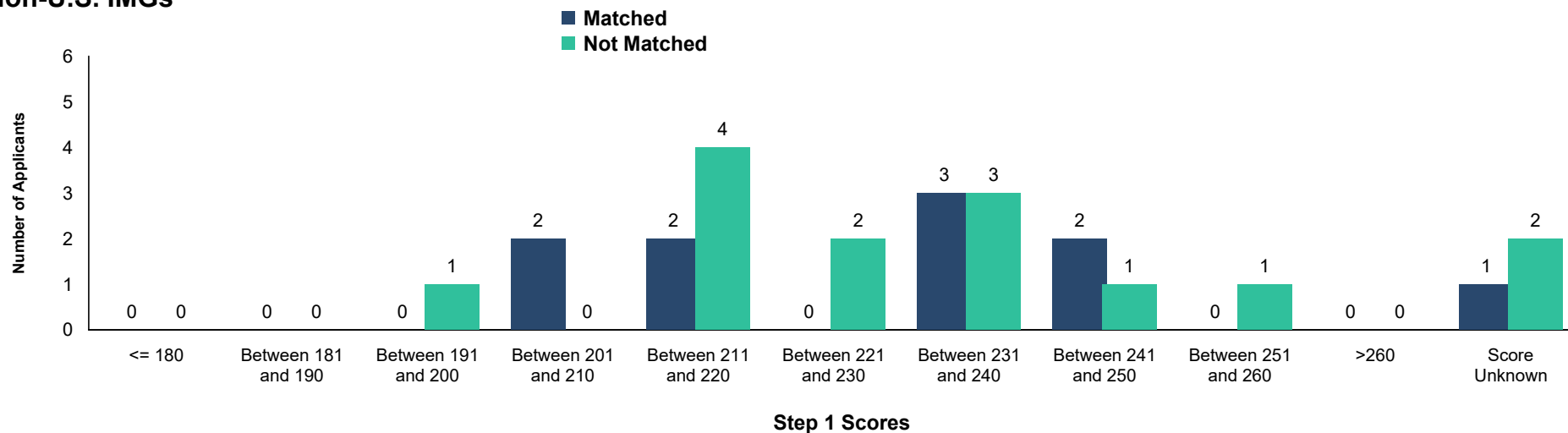
Source: NRMP Data Warehouse. Note: Probabilities calculated based on 2020-2022 applicants

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

## U.S. IMGs



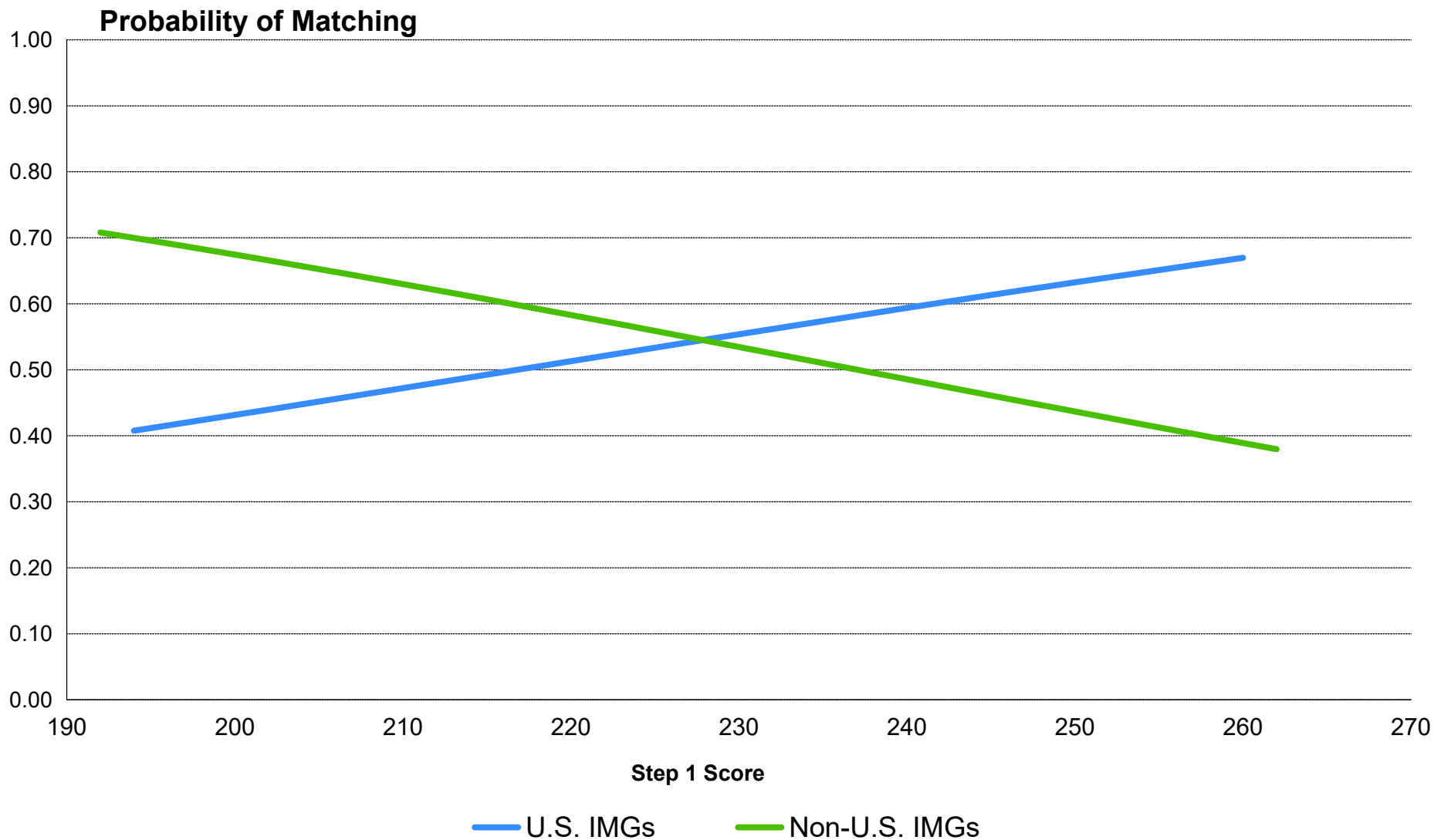
## Non-U.S. IMGs



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*

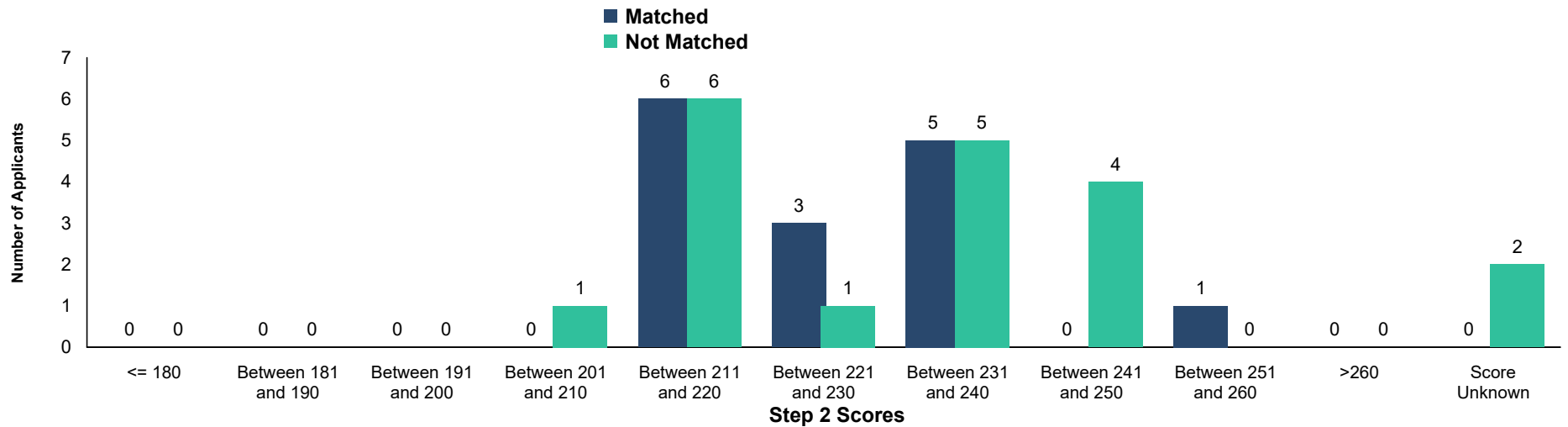


Source: NRMP Data Warehouse. Note: Probabilities calculated based on 2020-2022 applicants.

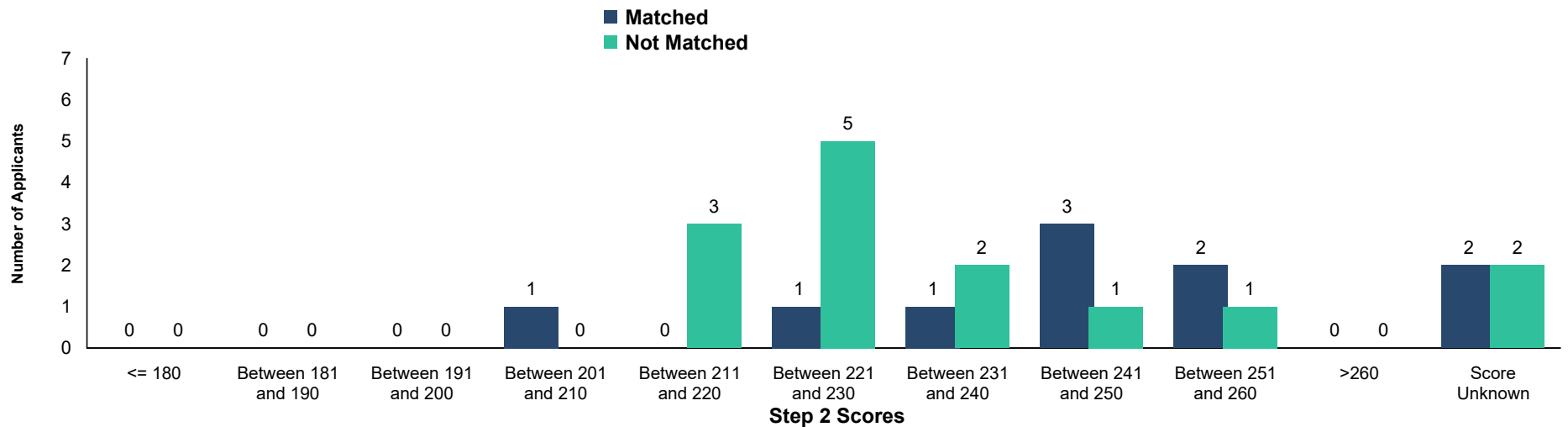
**Chart  
PM-4**

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

**U.S. IMGs**



**Non-U.S. IMGs**

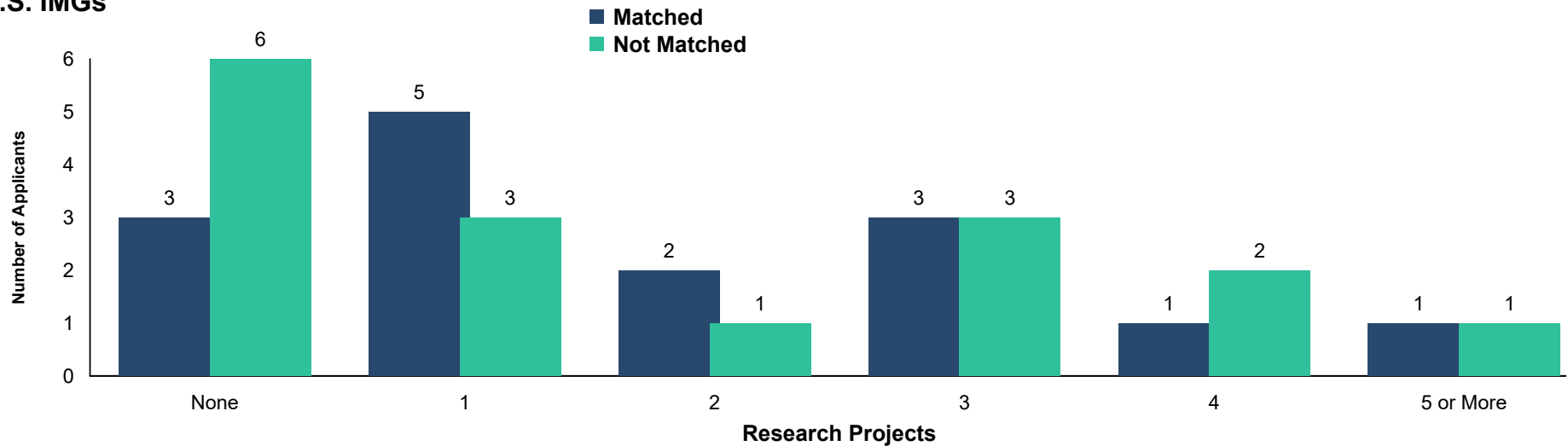


Source: NRMP Data Warehouse

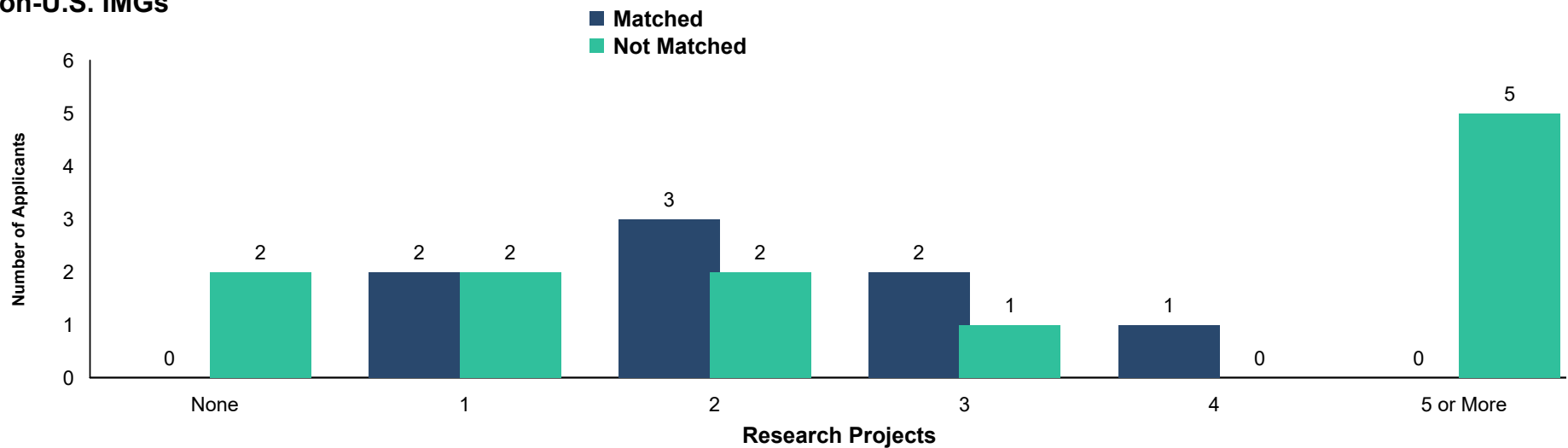
**Chart  
PM-5**

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

**U.S. IMGs**



**Non-U.S. IMGs**

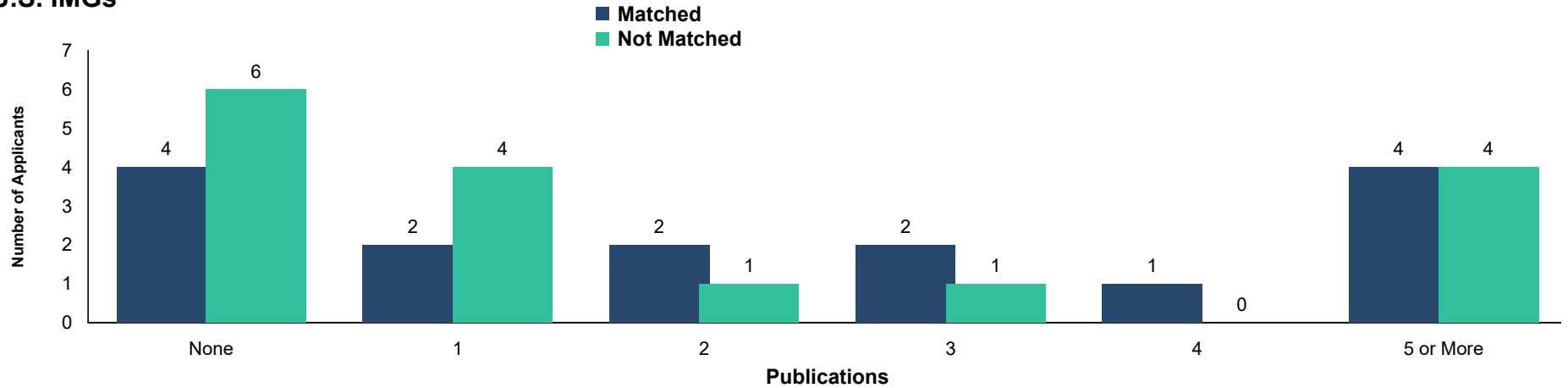


Source: NRMP Data Warehouse

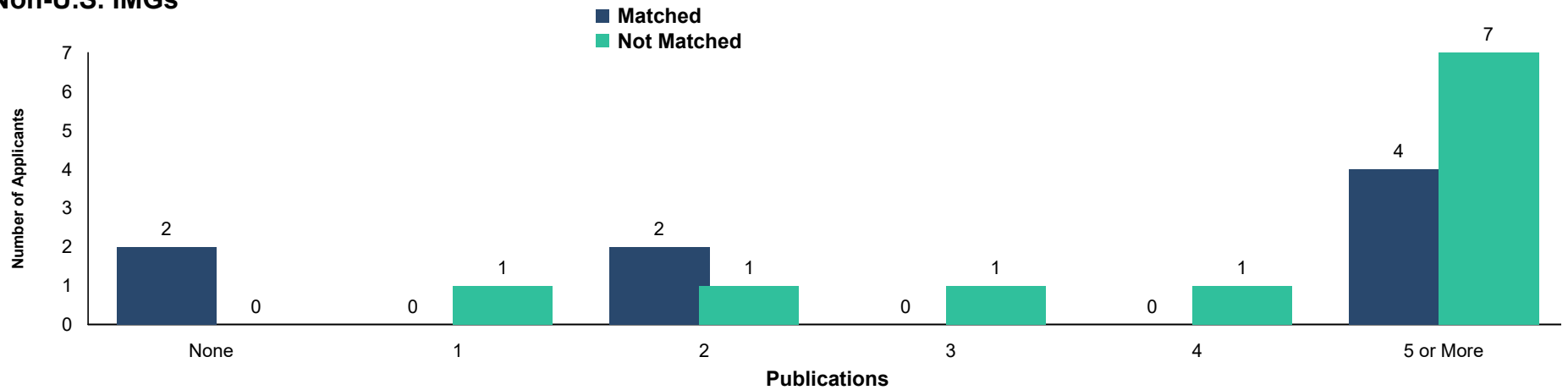
**Chart  
PM-6**

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

**U.S. IMGs**



**Non-U.S. IMGs**

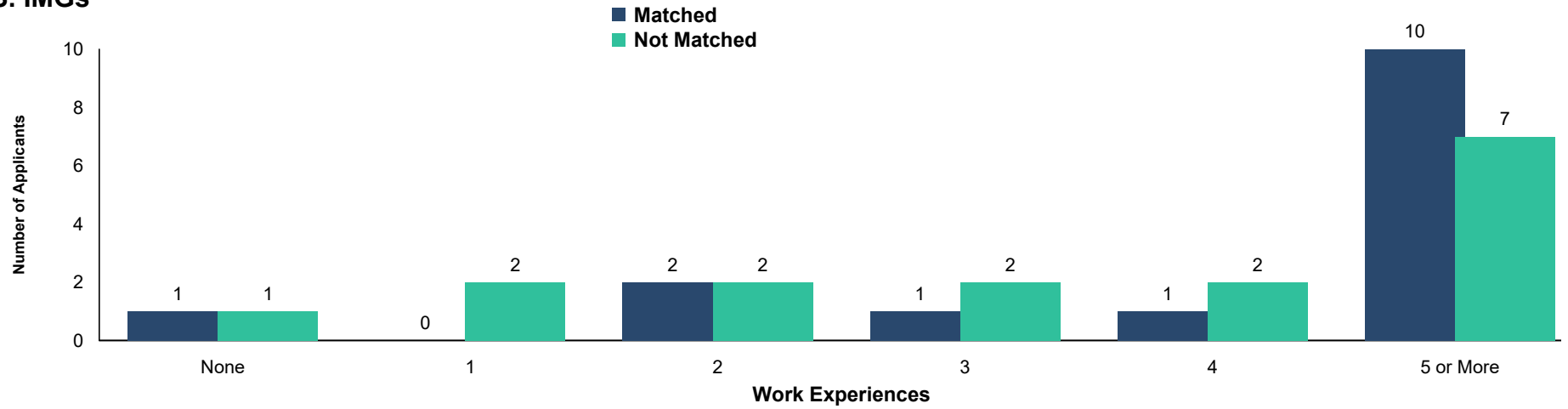


Source: NRMP Data Warehouse

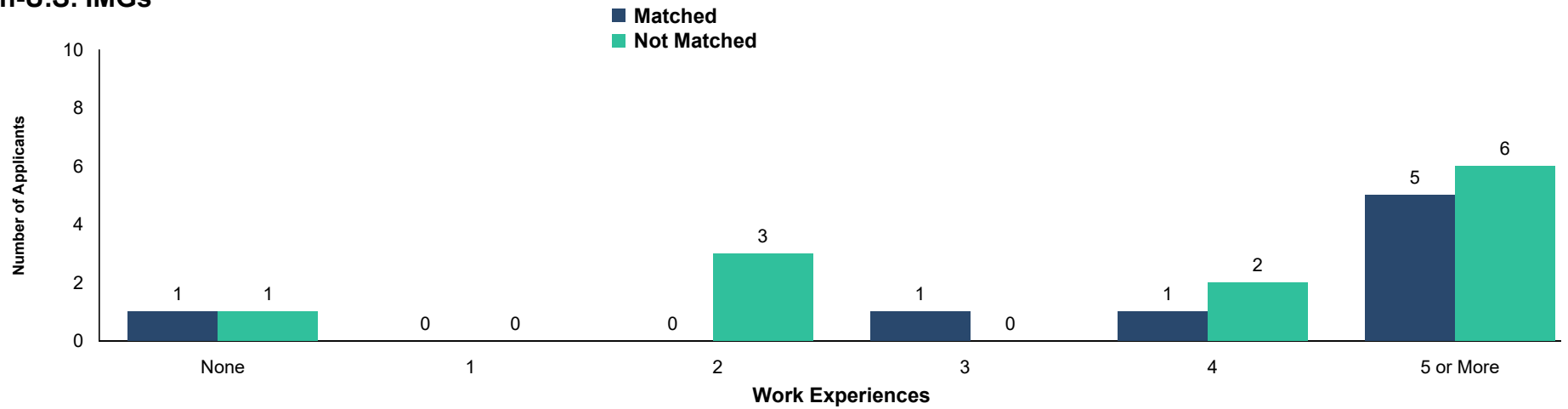
**Chart  
PM-7**

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

**U.S. IMGs**



**Non-U.S. IMGs**



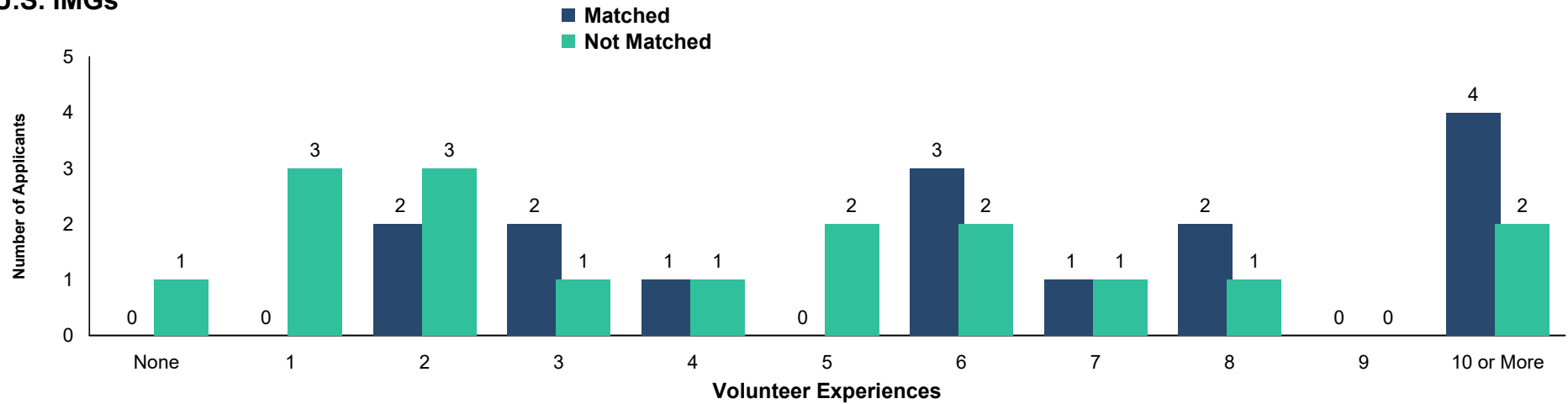
Source: NRMP Data Warehouse



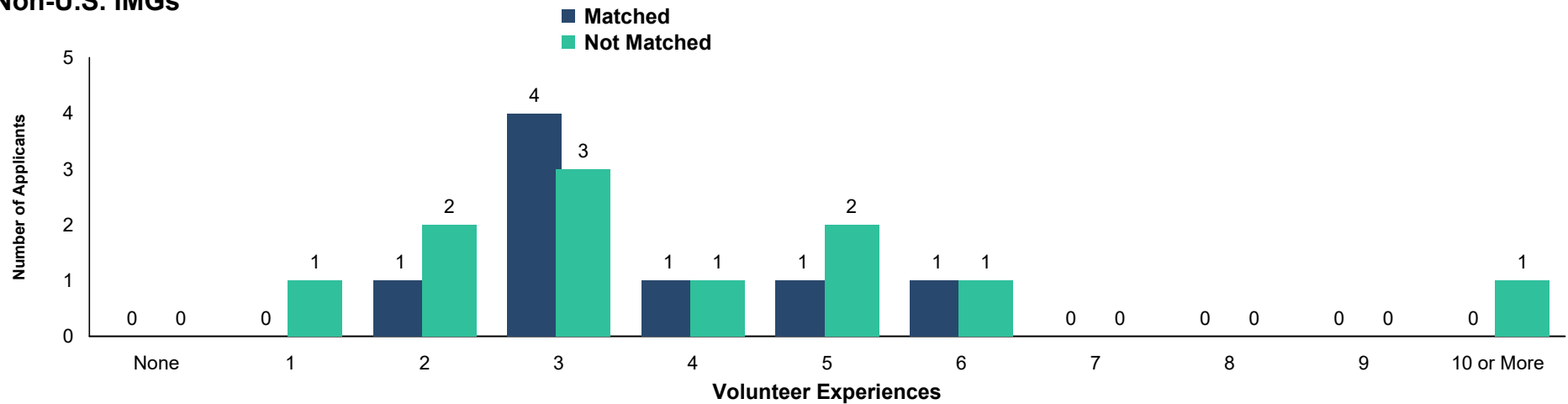
**Chart  
PM-8**

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

**U.S. IMGs**



**Non-U.S. IMGs**



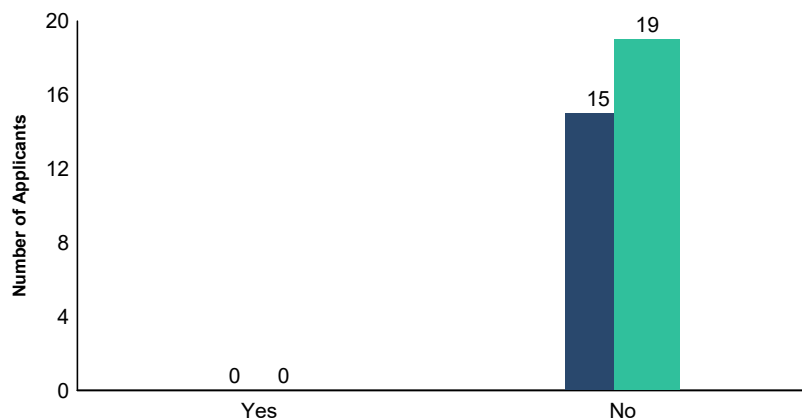
Source: NRMP Data Warehouse

**Chart  
PM-9**

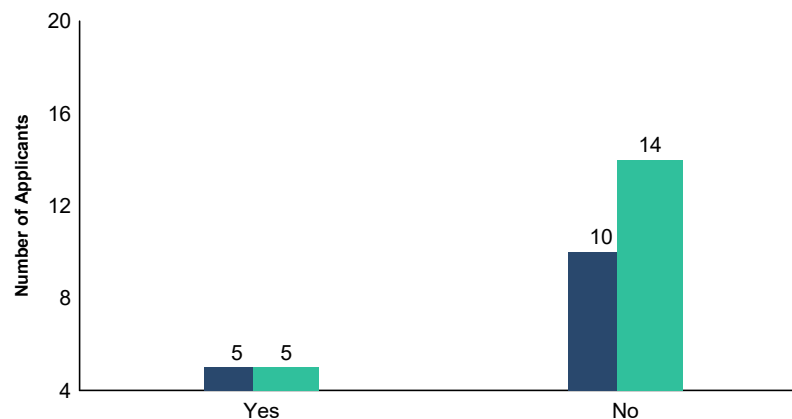
**Other Characteristics of International Medical Graduates**  
*Physical Medicine and Rehabilitation*

**U.S. IMGs**

**Ph.D. Degree**

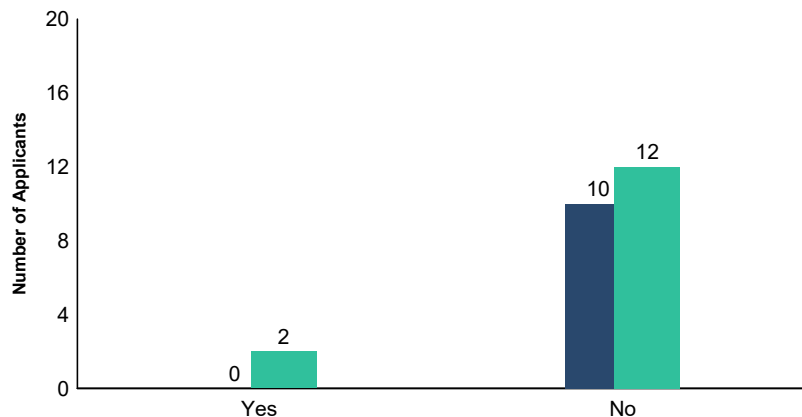


**Other Graduate Degree**

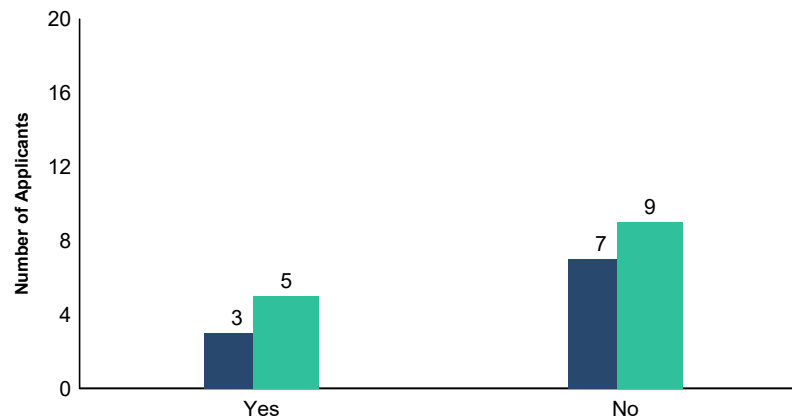


**Non-U.S. IMGs**

**Ph.D. Degree**



**Other Graduate Degree**



Source: NRMP Data Warehouse

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**PS** Plastic Surgery

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

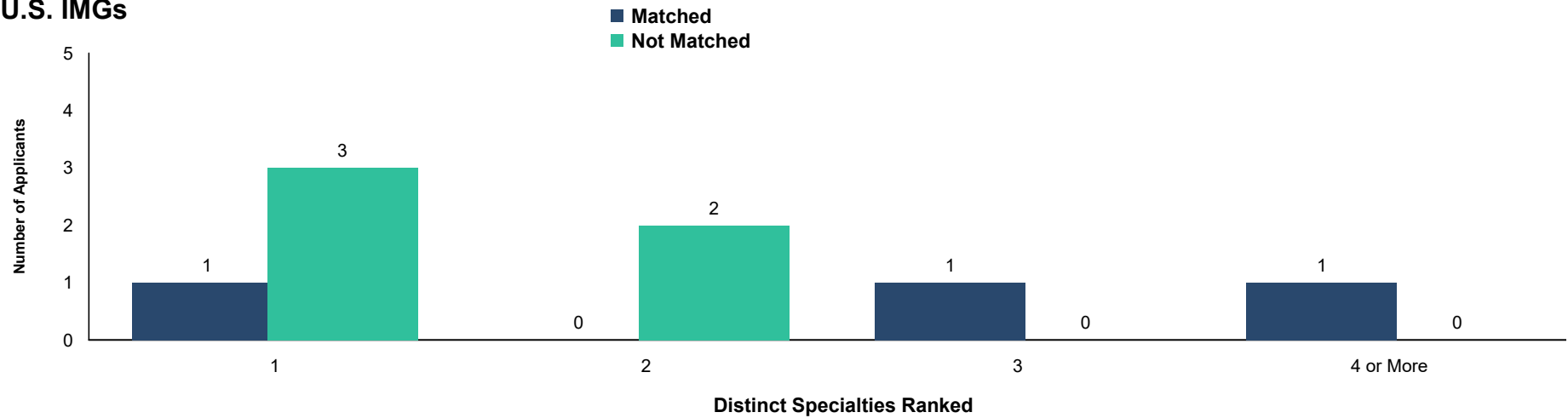
Measure	U.S. IMGs		Non-U.S. IMGs	
	Matched (n=3)	Unmatched (n=5)	Matched (n=7)	Unmatched (n=2)
1. Mean number of contiguous ranks	1.7	4.0	2.1	3.5
2. Mean number of distinct specialties ranked	2.7	1.4	1.6	1.0
3. Mean USMLE Step 1 score	227	231	224	218
4. Mean USMLE Step 2 score	232	244	240	234
5. Mean number of research experiences	6.7	6.0	4.0	6.5
6. Mean number of abstracts, presentations, and publications	19.3	14.2	54.3	5.0
7. Mean number of work experiences	5.3	3.8	4.9	2.5
8. Mean number of volunteer experiences	3.3	4.4	5.3	13.0
9. Percentage who have a Ph.D. degree	0.0	0.0	0.0	0.0
10. Percentage who have another graduate degree	33.3	40.0	42.9	100.0

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

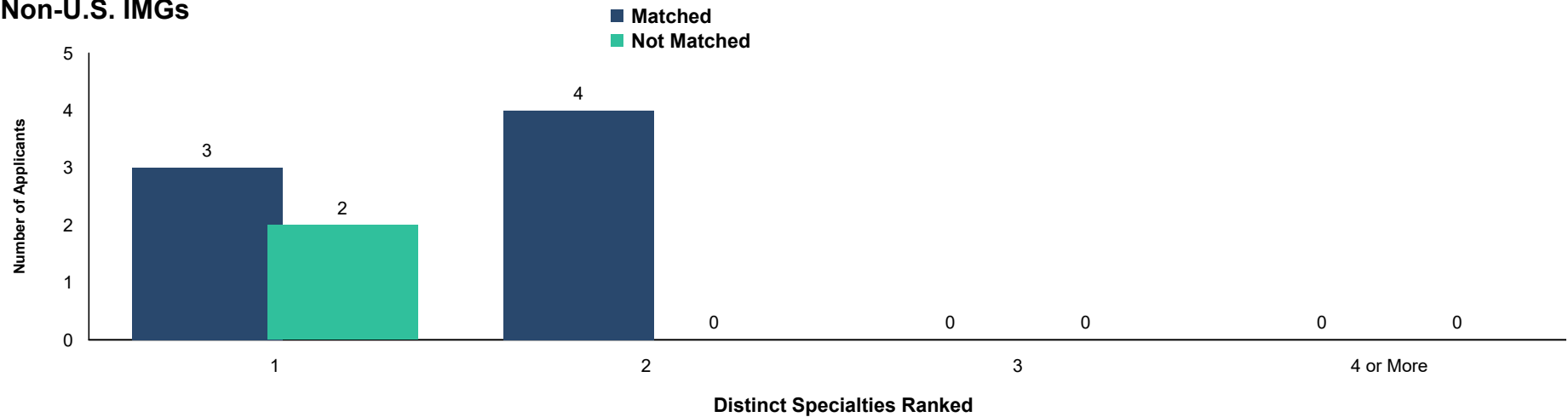
**Chart  
PS-1**

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

## U.S. IMGs



## Non-U.S. IMGs

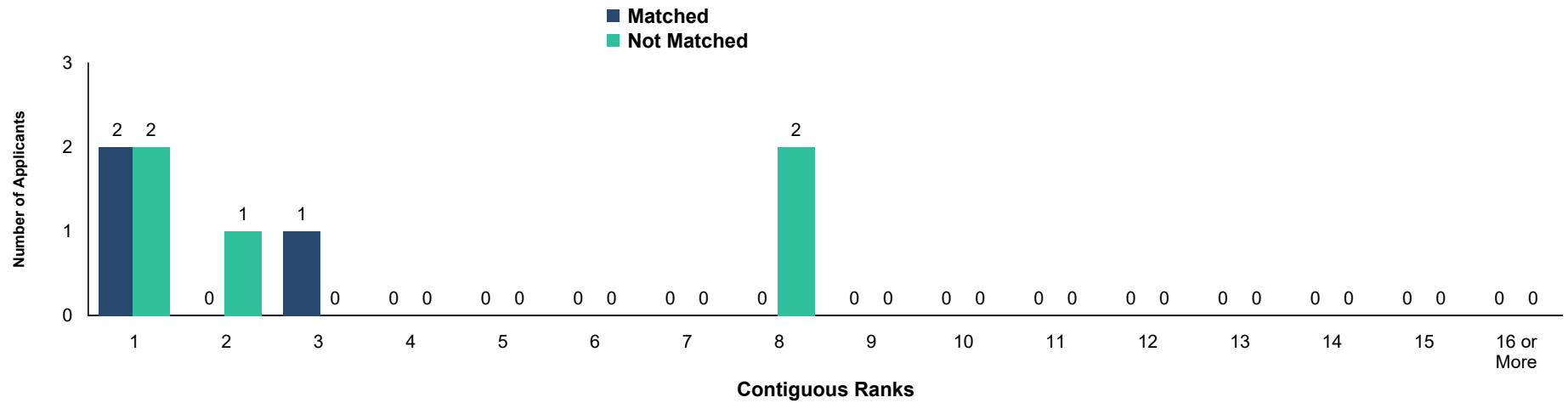


Source: NRMP Data Warehouse

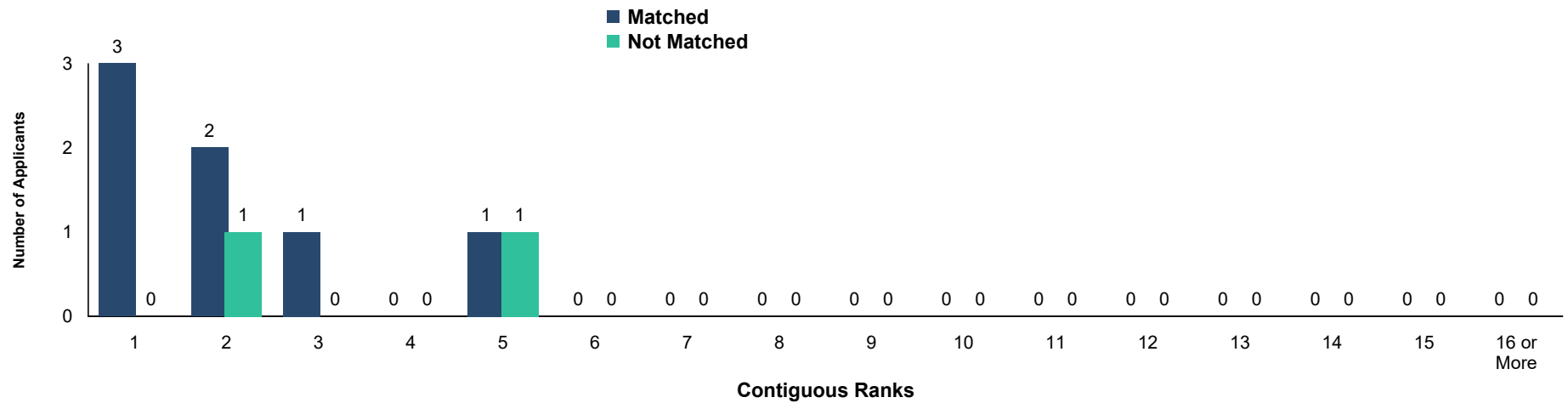
**Chart  
PS-2**

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

**U.S. IMGs**



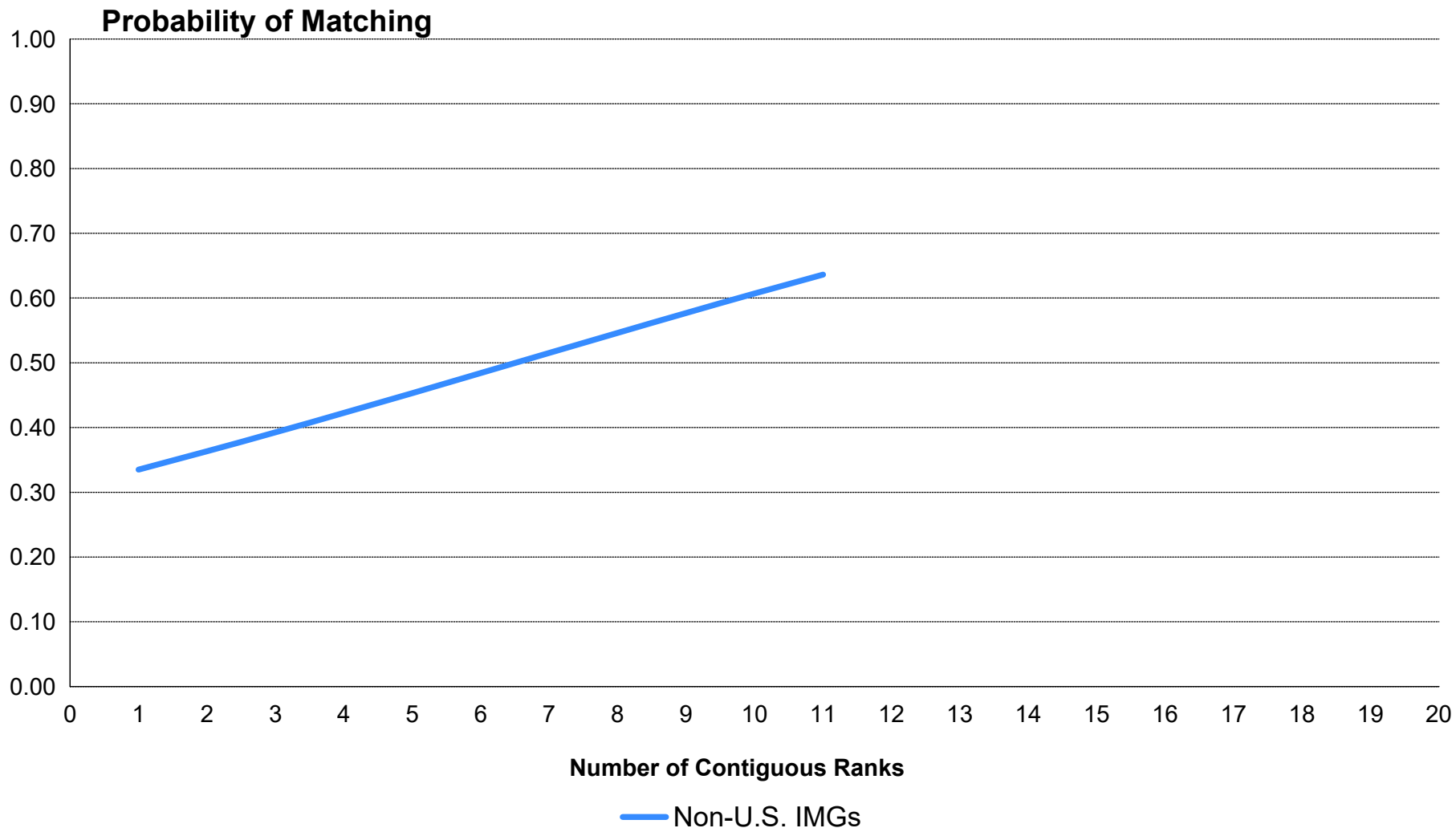
**Non-U.S. IMGs**



Source: NRMP Data Warehouse

**Graph  
PS-1**

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



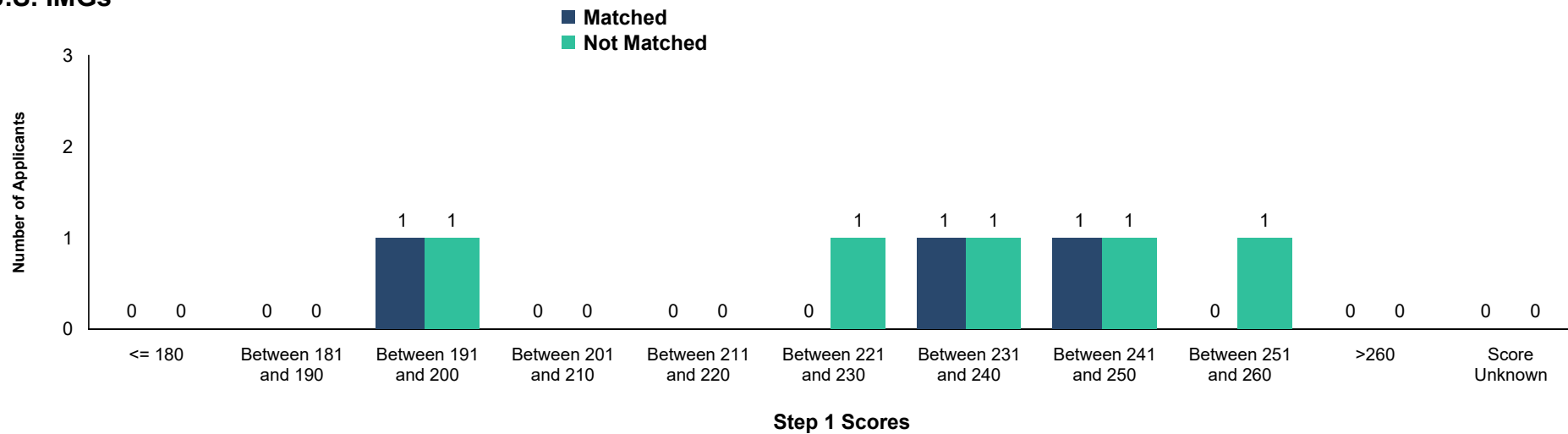
**Note: Data for U.S. IMGs not shown due to the small sample size.**

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

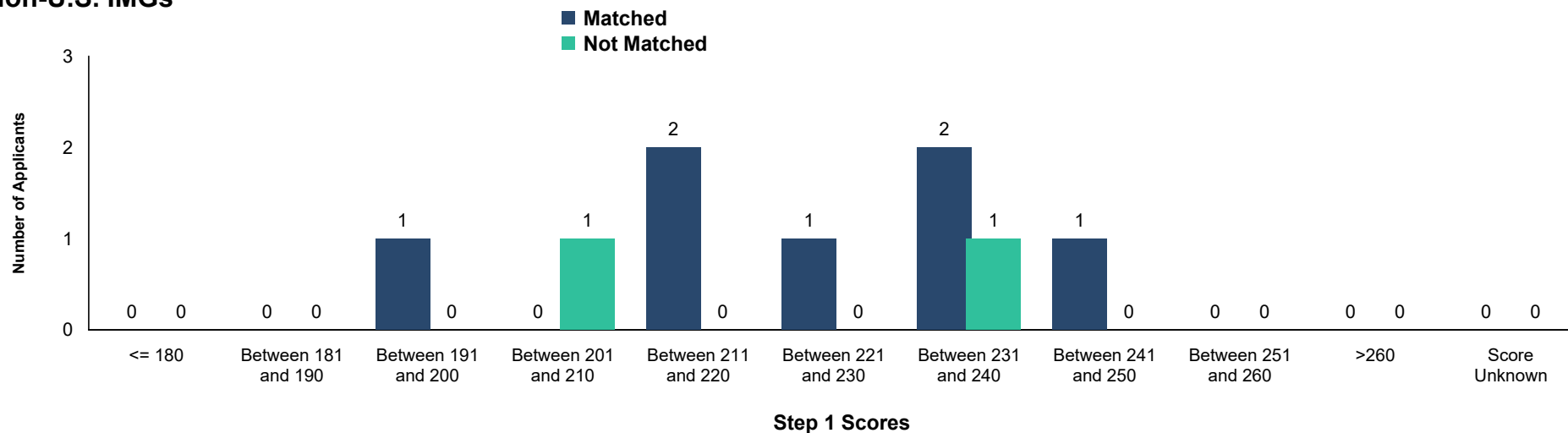
**Chart  
PS-3**

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

**U.S. IMGs**



**Non-U.S. IMGs**

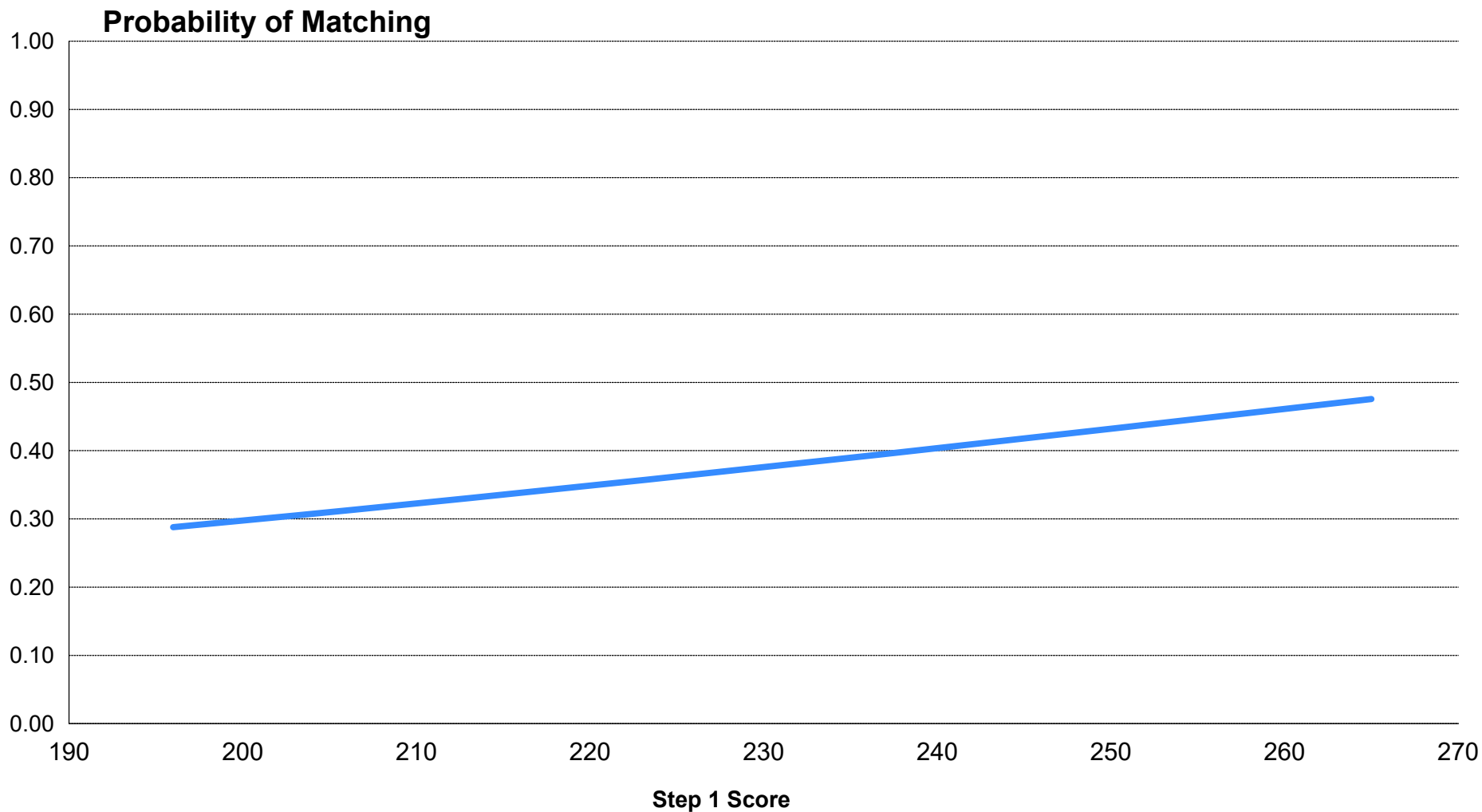


Source: NRMP Data Warehouse



**Graph  
PS-2**

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



— Non-U.S. IMGs

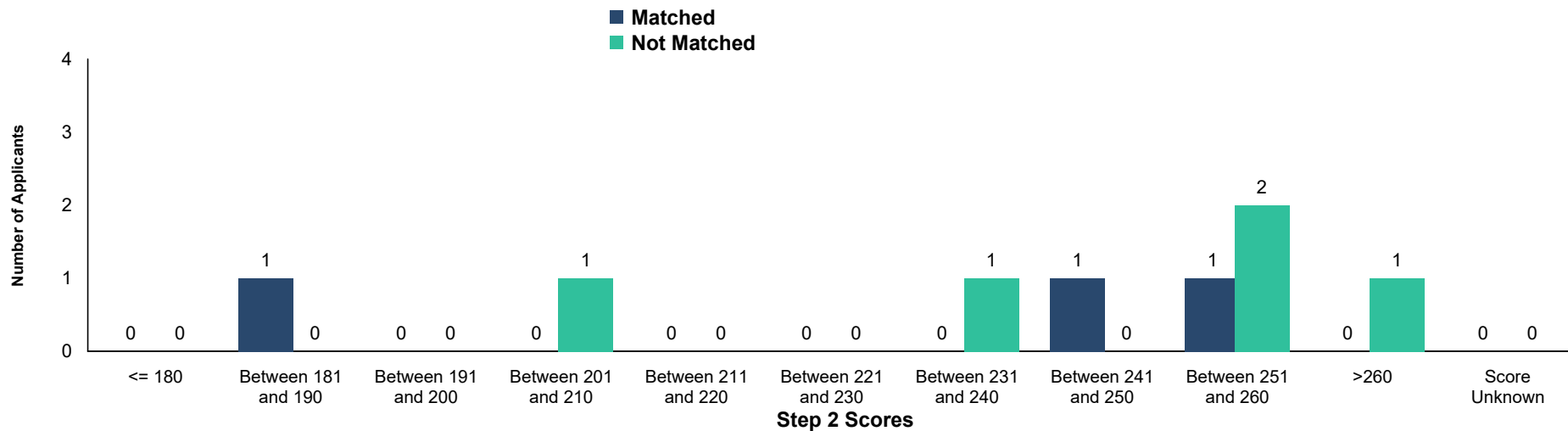
**Note: Data for U.S. IMGs not shown due to the small sample size.**

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

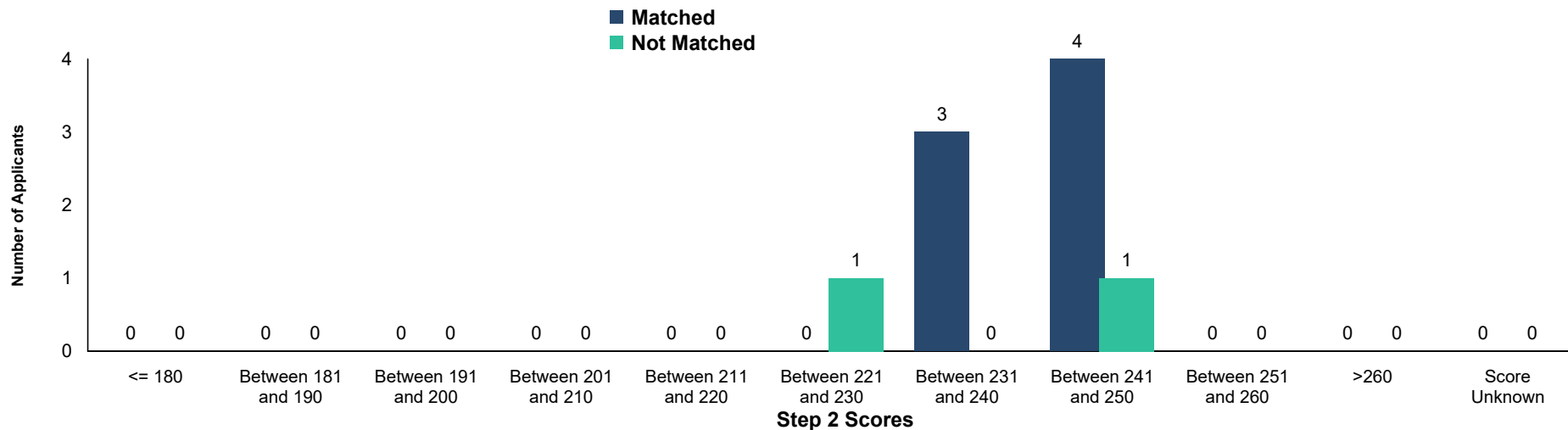
**Chart  
PS-4**

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

**U.S. IMGs**



**Non-U.S. IMGs**

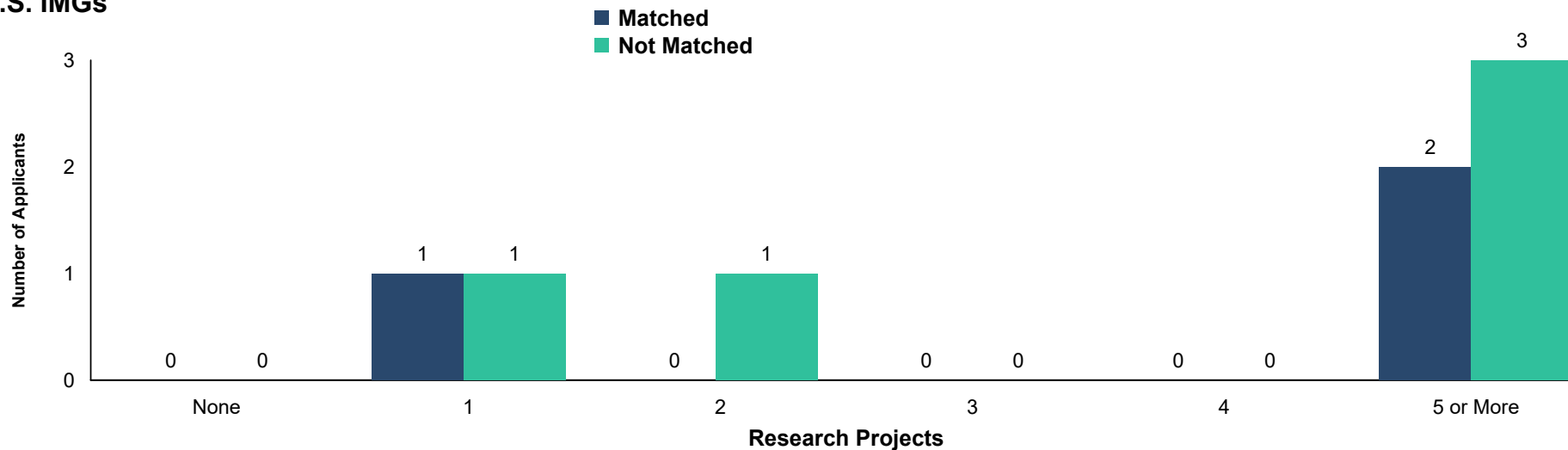


Source: NRMP Data Warehouse

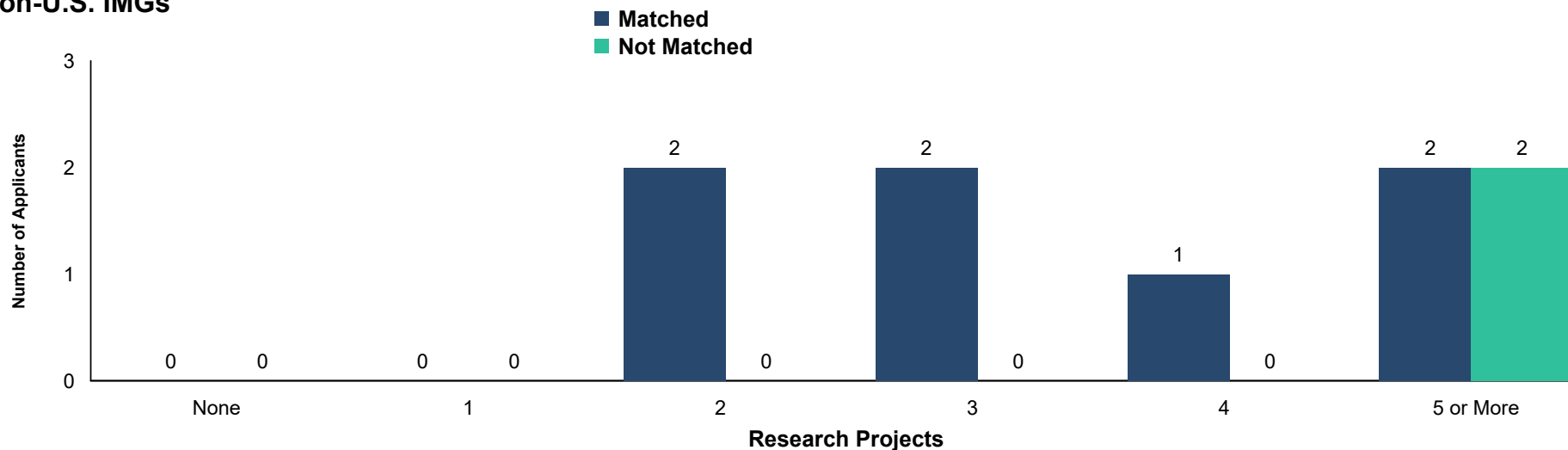
**Chart  
PS-5**

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

**U.S. IMGs**



**Non-U.S. IMGs**

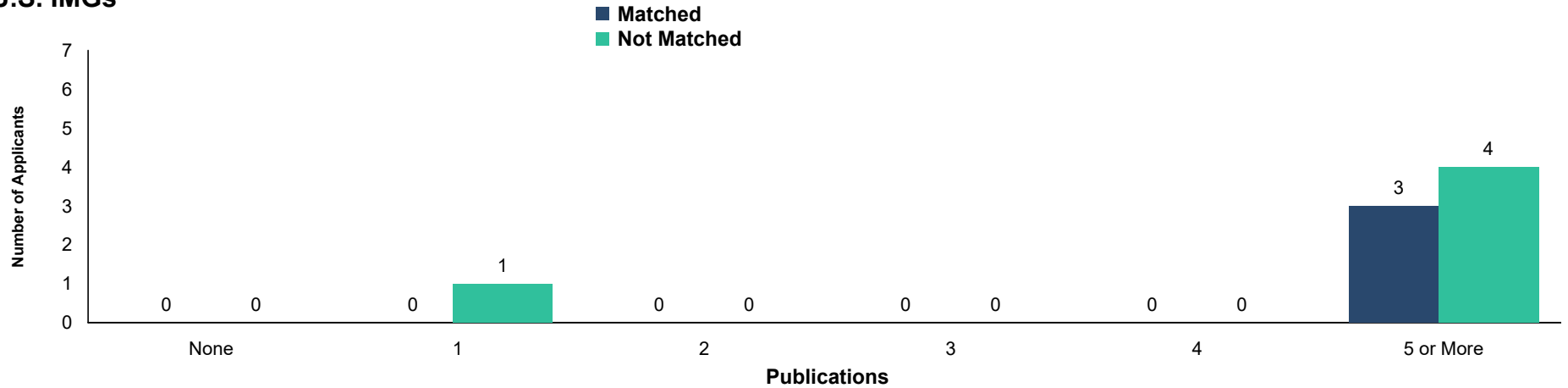


Source: NRMP Data Warehouse

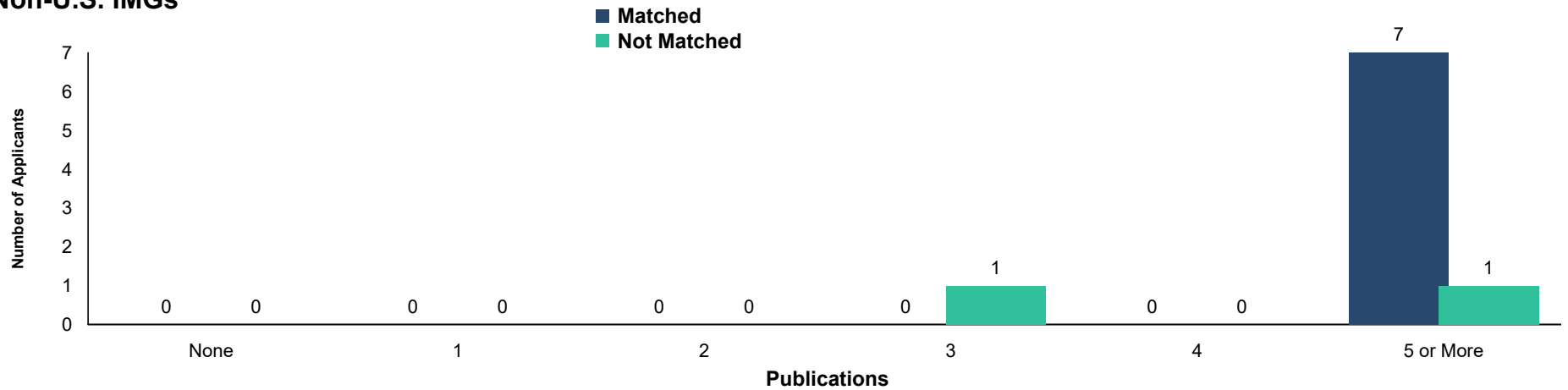
**Chart  
PS-6**

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

**U.S. IMGs**



**Non-U.S. IMGs**

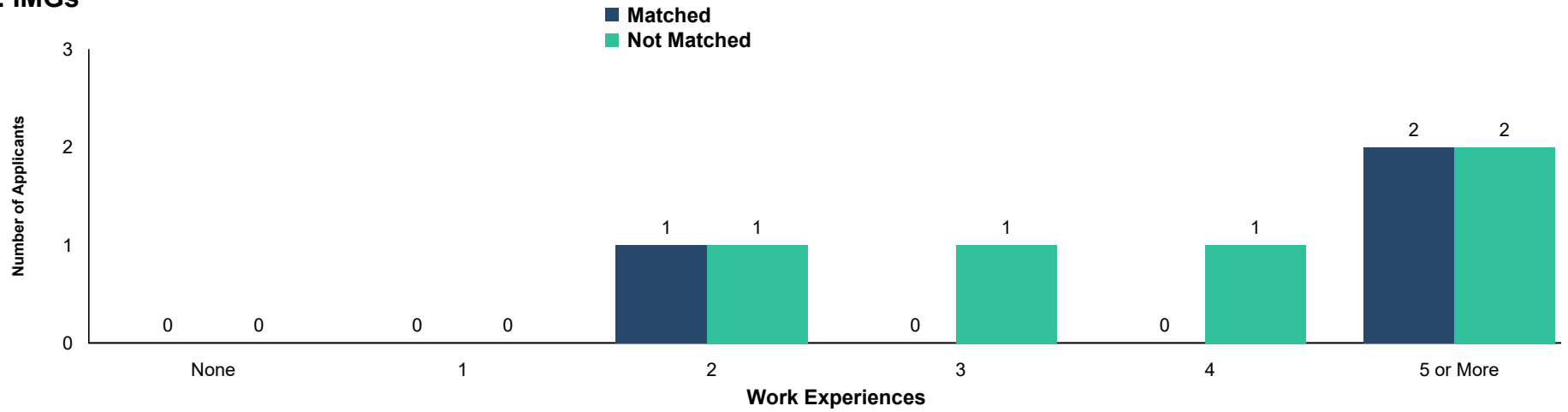


Source: NRMP Data Warehouse

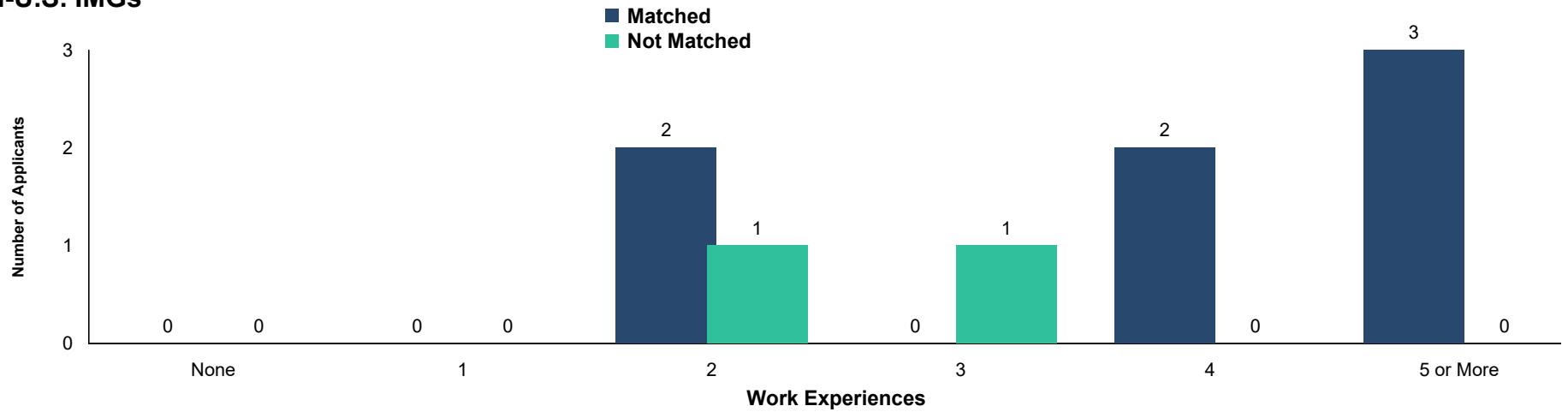
**Chart  
PS-7**

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

**U.S. IMGs**



**Non-U.S. IMGs**

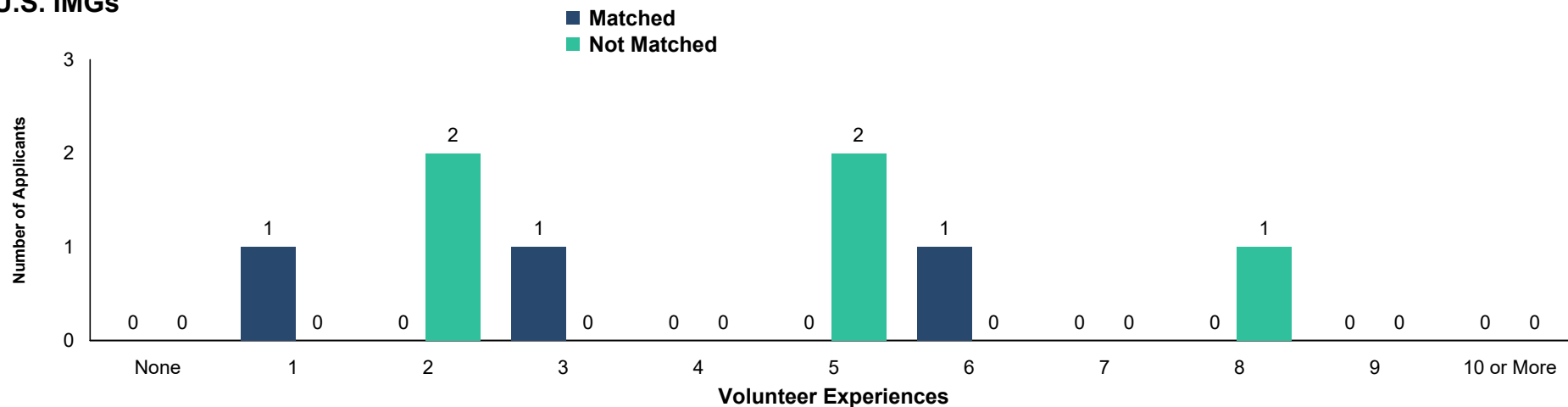


Source: NRMP Data Warehouse

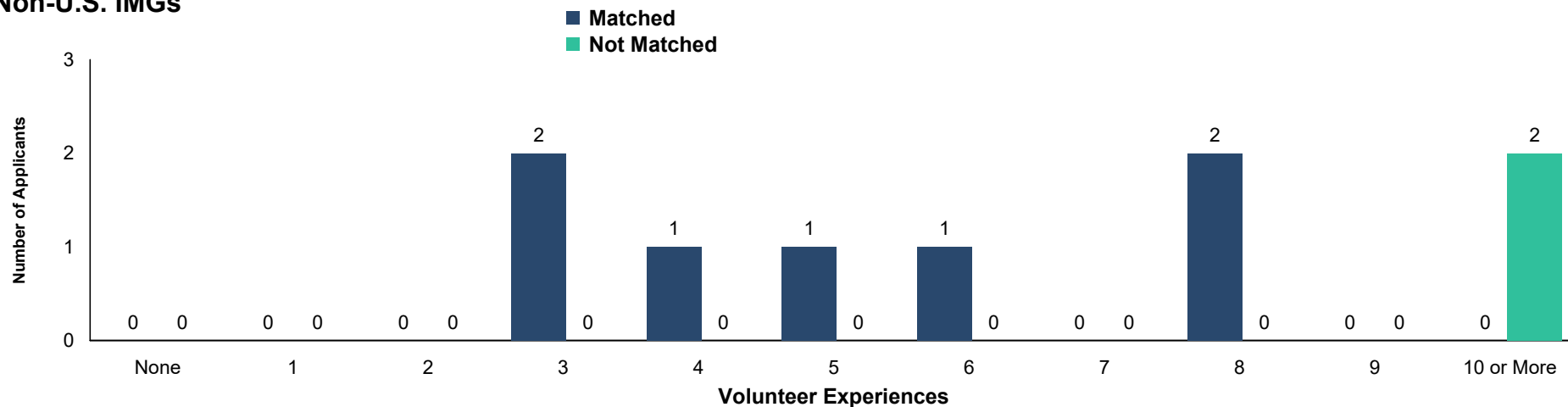
**Chart  
PS-8**

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

**U.S. IMGs**



**Non-U.S. IMGs**

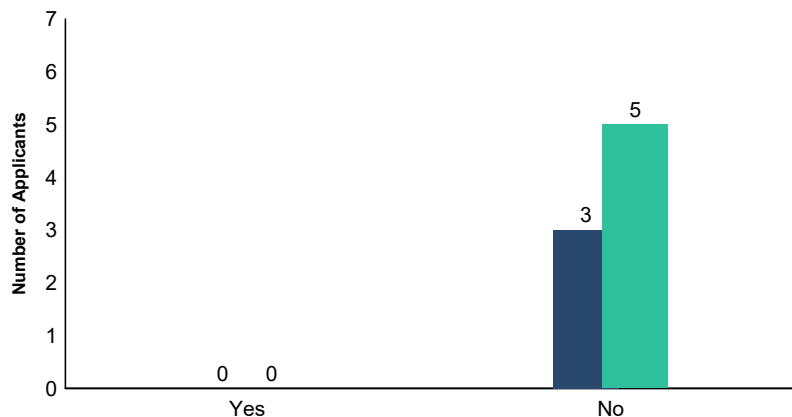


Source: NRMP Data Warehouse

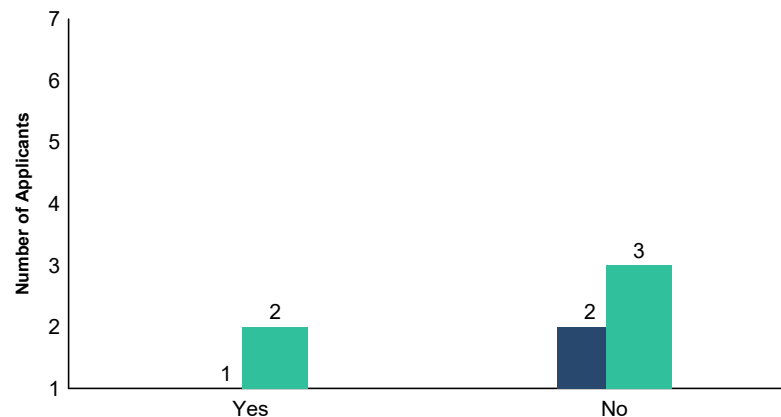
**Chart  
PS-9**

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

**Ph.D. Degree**

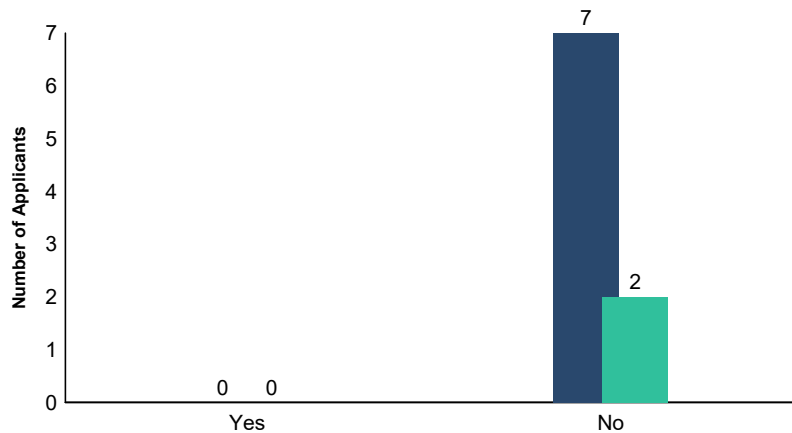


**Other Graduate Degree**

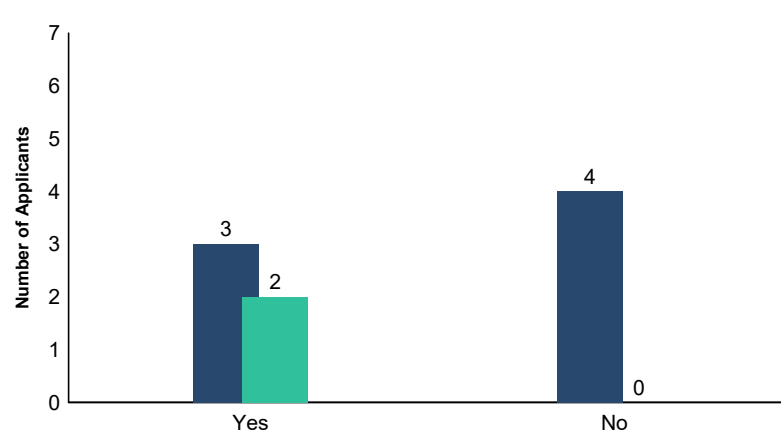


**Non-U.S. IMGs**

**Ph.D. Degree**



**Other Graduate Degree**



Source: NRMP Data Warehouse

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**P** **Psychiatry**



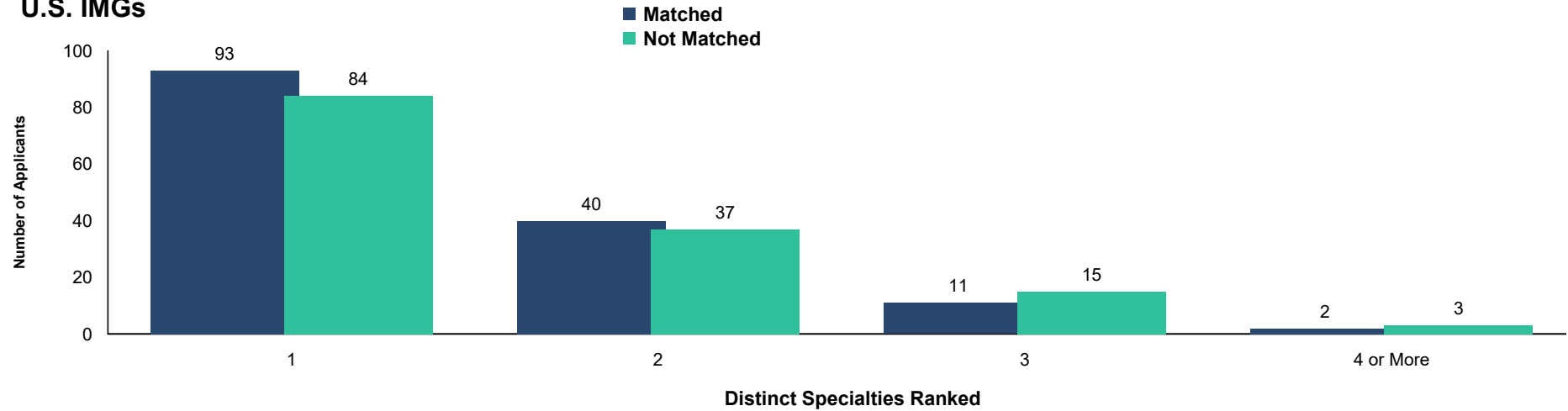
Measure	U.S. IMGs		Non-U.S. IMGs	
	Matched (n=146)	Unmatched (n=141)	Matched (n=102)	Unmatched (n=120)
1. Mean number of contiguous ranks	6.2	2.5	6.1	2.9
2. Mean number of distinct specialties ranked	1.5	1.6	1.4	1.3
3. Mean USMLE Step 1 score	216	211	229	217
4. Mean USMLE Step 2 score	228	222	236	227
5. Mean number of research experiences	2.3	3.2	3.8	2.5
6. Mean number of abstracts, presentations, and publications	3.9	4.6	9.1	5.4
7. Mean number of work experiences	5.0	6.7	6.6	7.1
8. Mean number of volunteer experiences	5.2	4.2	4.9	4.4
9. Percentage who have a Ph.D. degree	0.0	3.3	5.6	2.7
10. Percentage who have another graduate degree	29.6	29.4	27.5	30.6

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

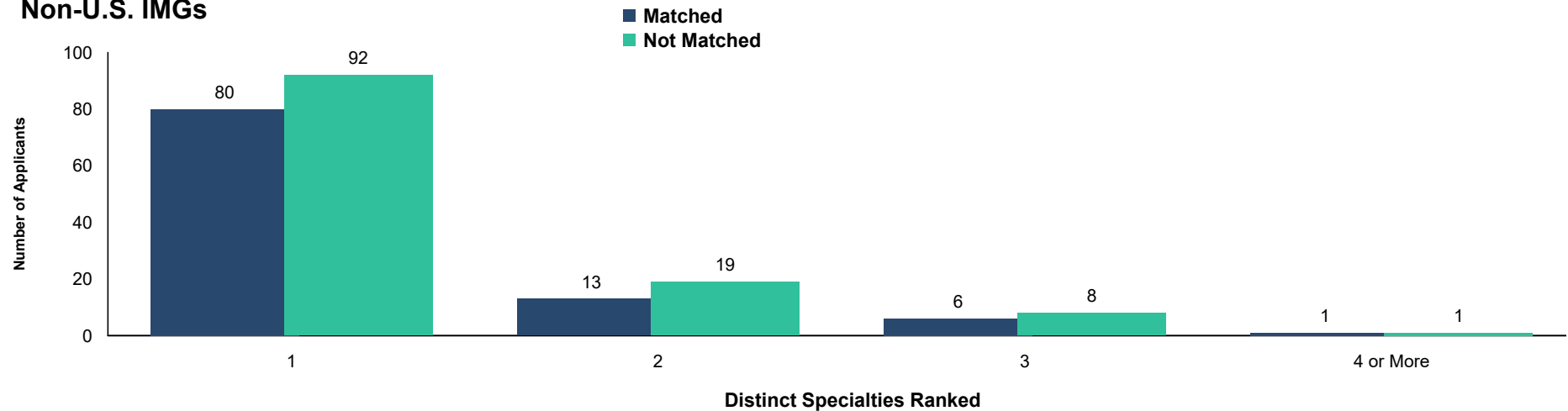
**Chart  
P-1**

# Number of Distinct Specialties Ranked by International Medical Graduates Psychiatry

## U.S. IMGs



## Non-U.S. IMGs

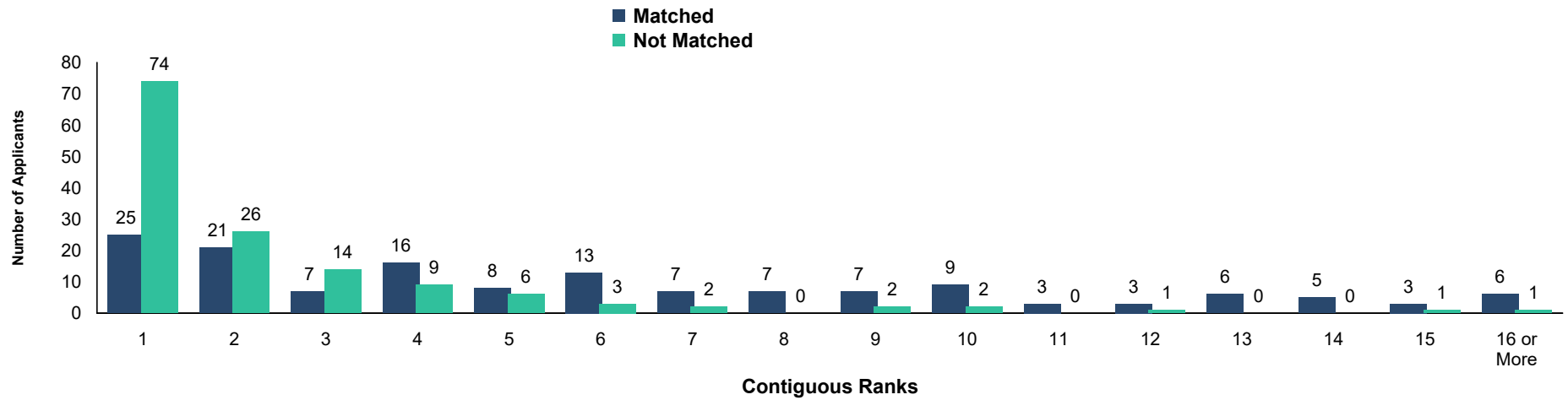


Source: NRMP Data Warehouse

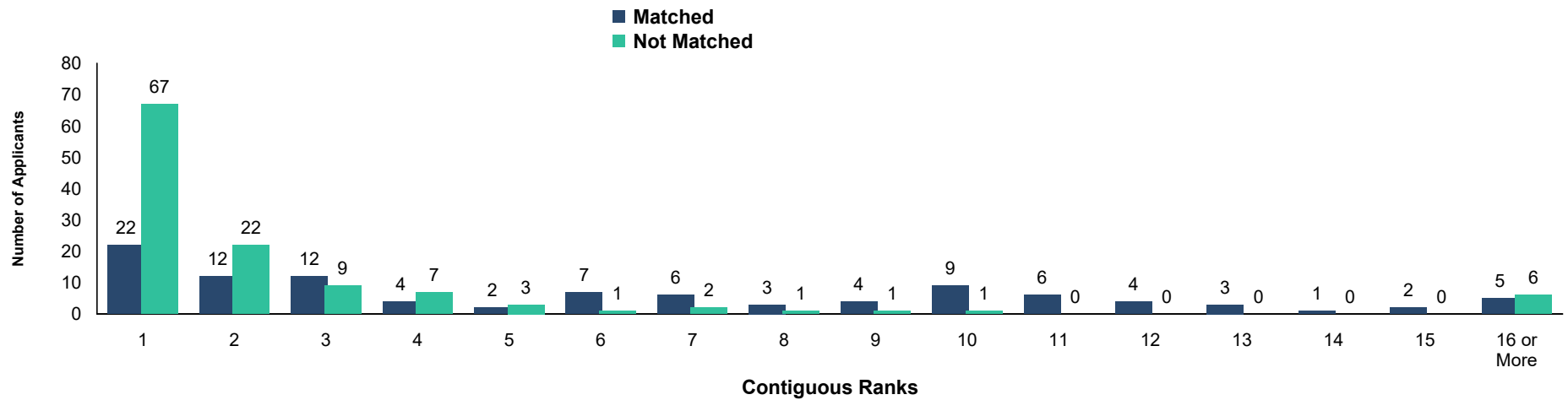
**Chart  
P-2**

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

**U.S. IMGs**



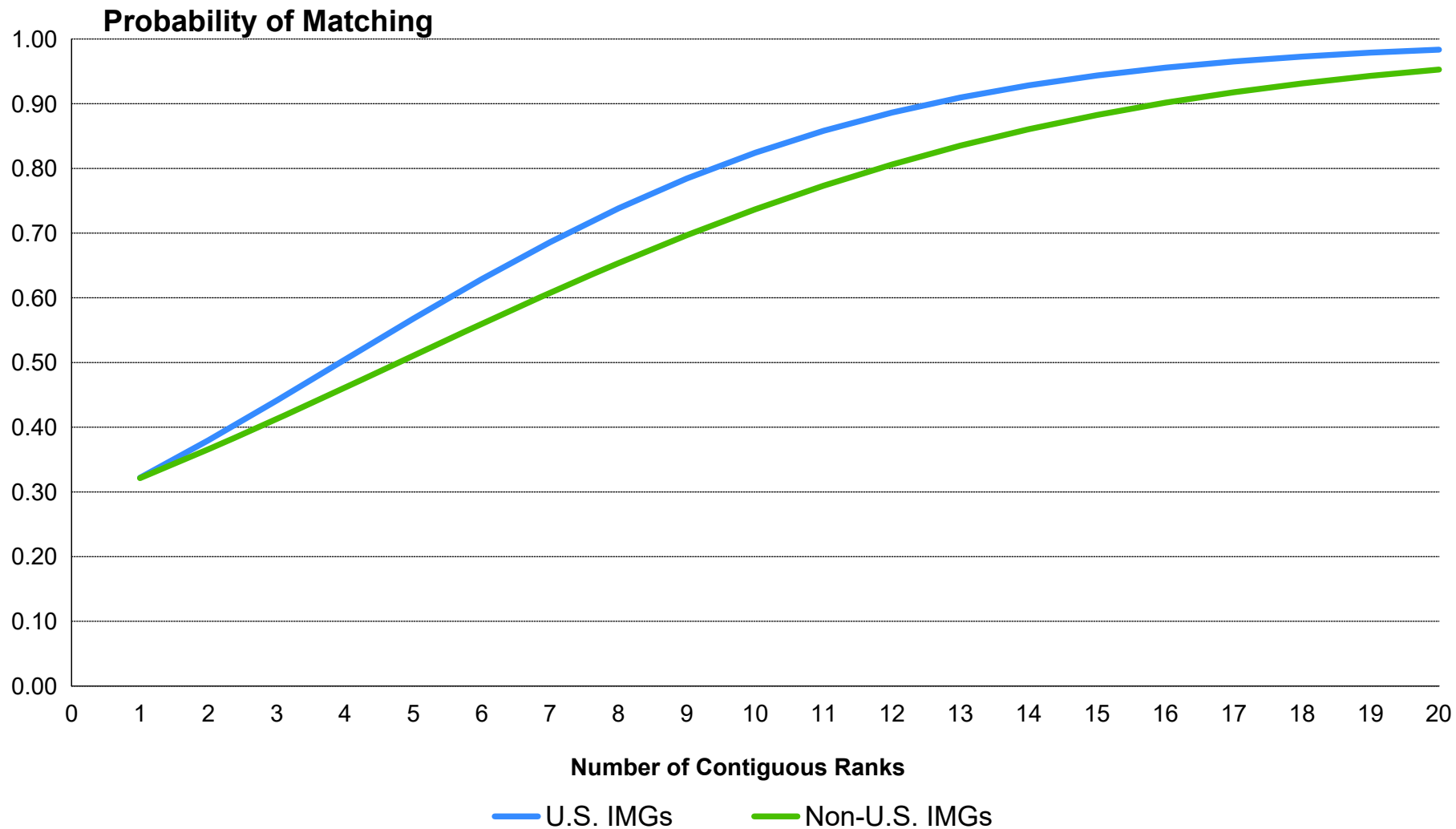
**Non-U.S. IMGs**



Source: NRMP Data Warehouse

**Graph  
P-1**

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

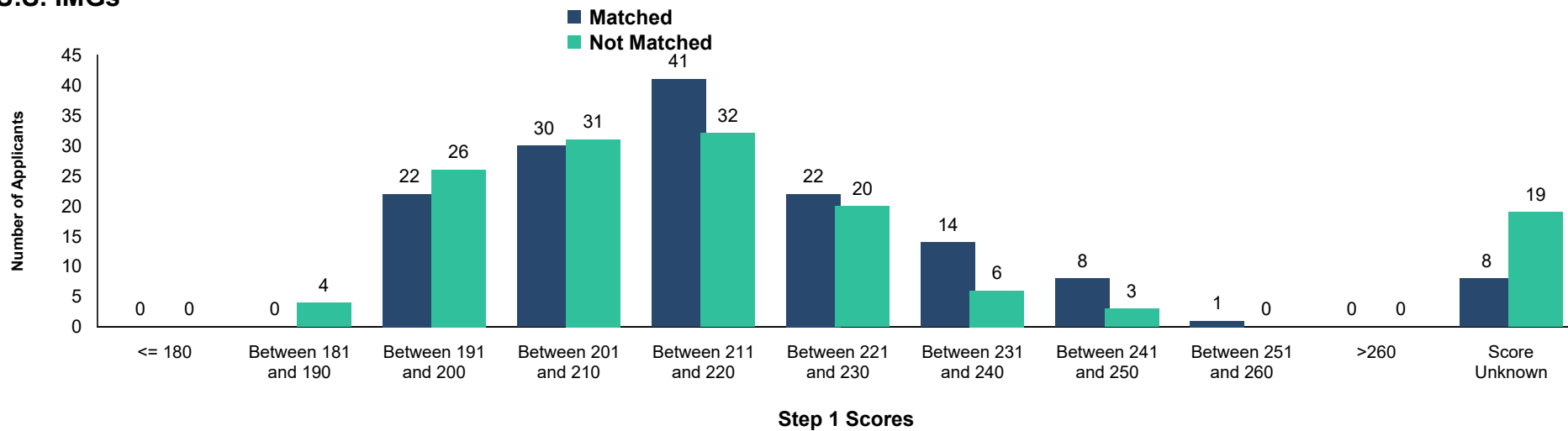


Source: NRMP Data Warehouse. Note: Probabilities calculated based on 2020-2022 applicants

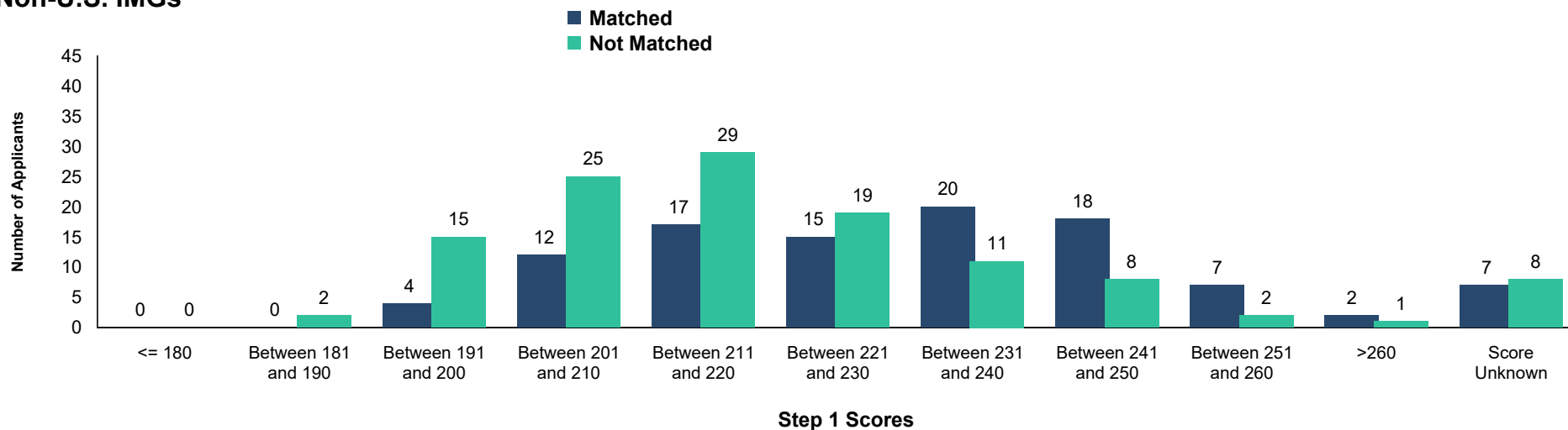
**Chart  
P-3**

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

**U.S. IMGs**



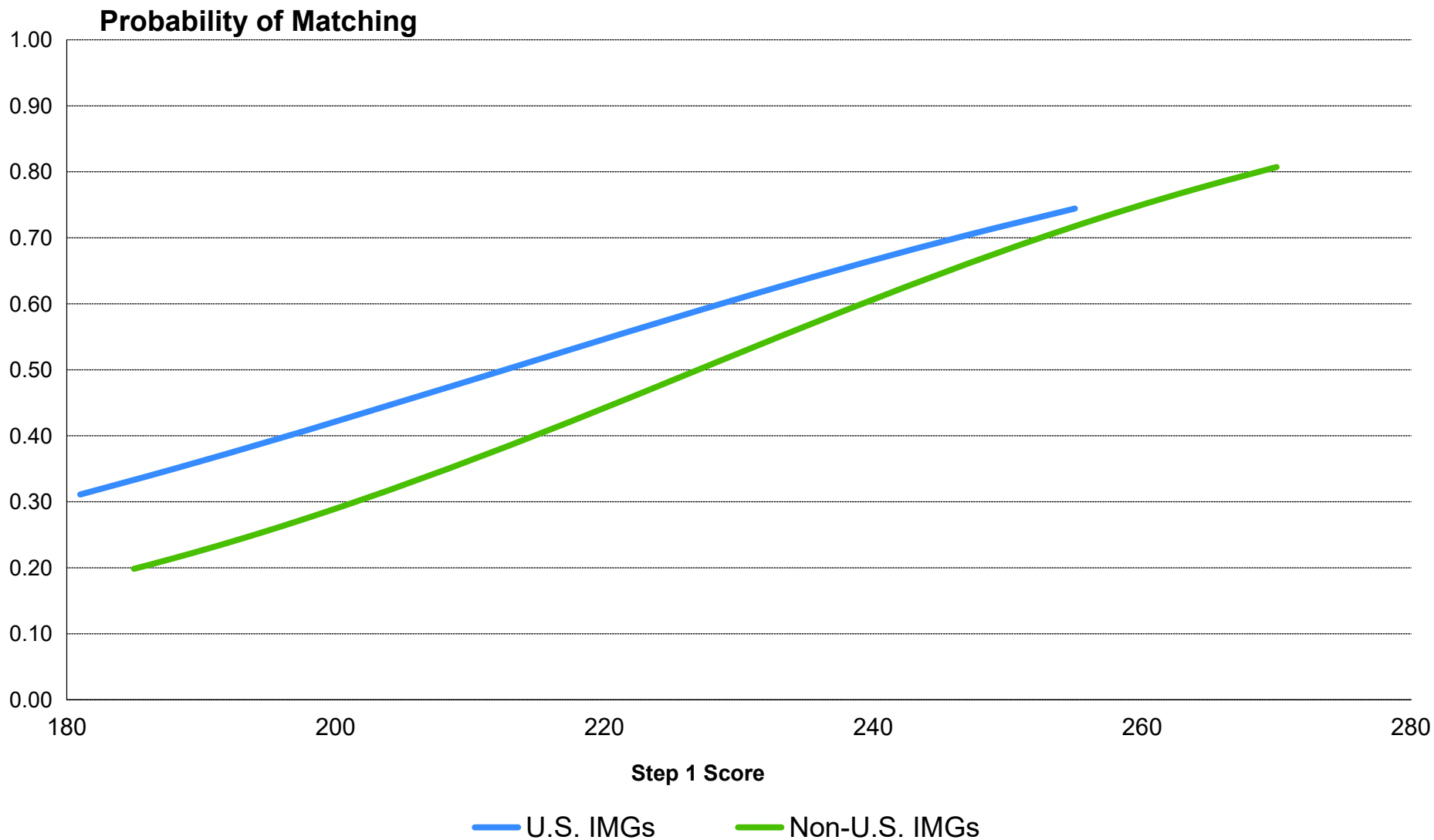
**Non-U.S. IMGs**



Source: NRMP Data Warehouse

**Graph  
P-2**

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

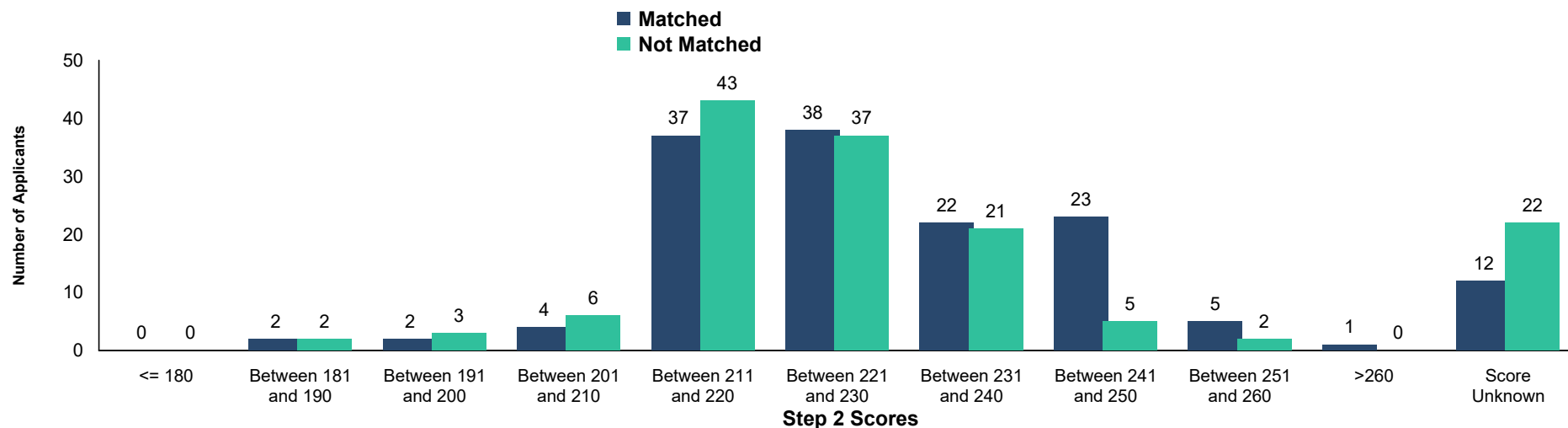


Source: NRMP Data Warehouse. Note: Probabilities calculated based on 2020-2022 applicants.

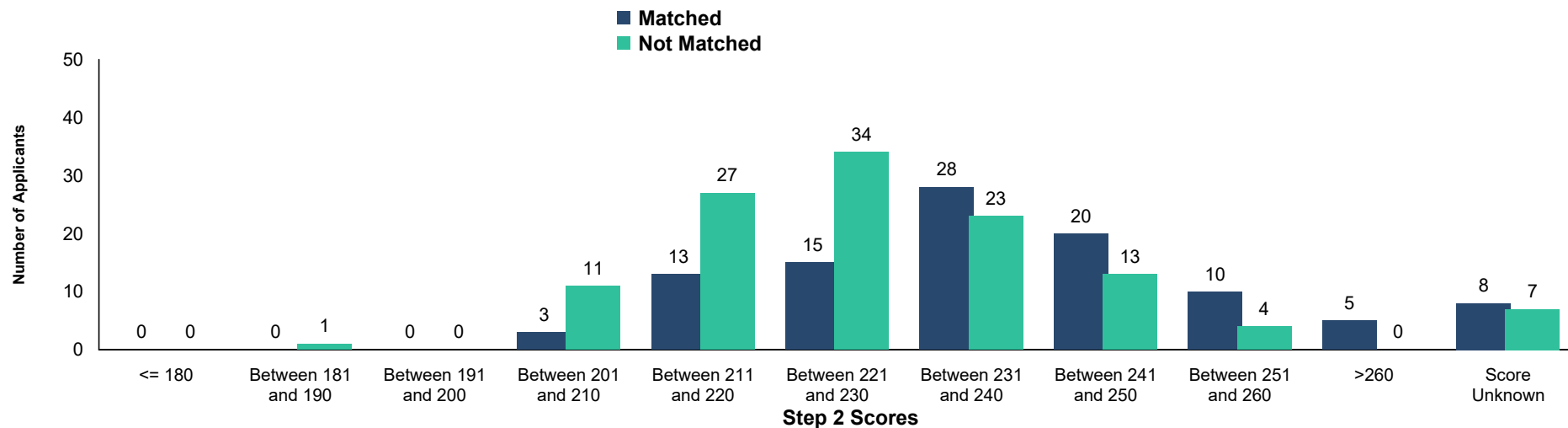
**Chart  
P-4**

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

**U.S. IMGs**



**Non-U.S. IMGs**

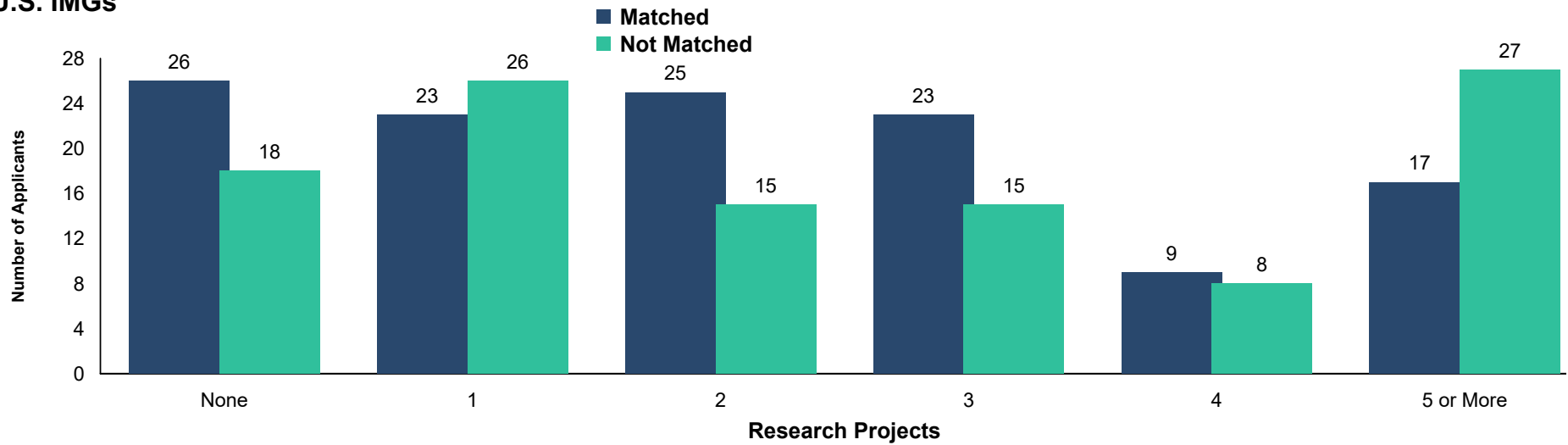


Source: NRMP Data Warehouse

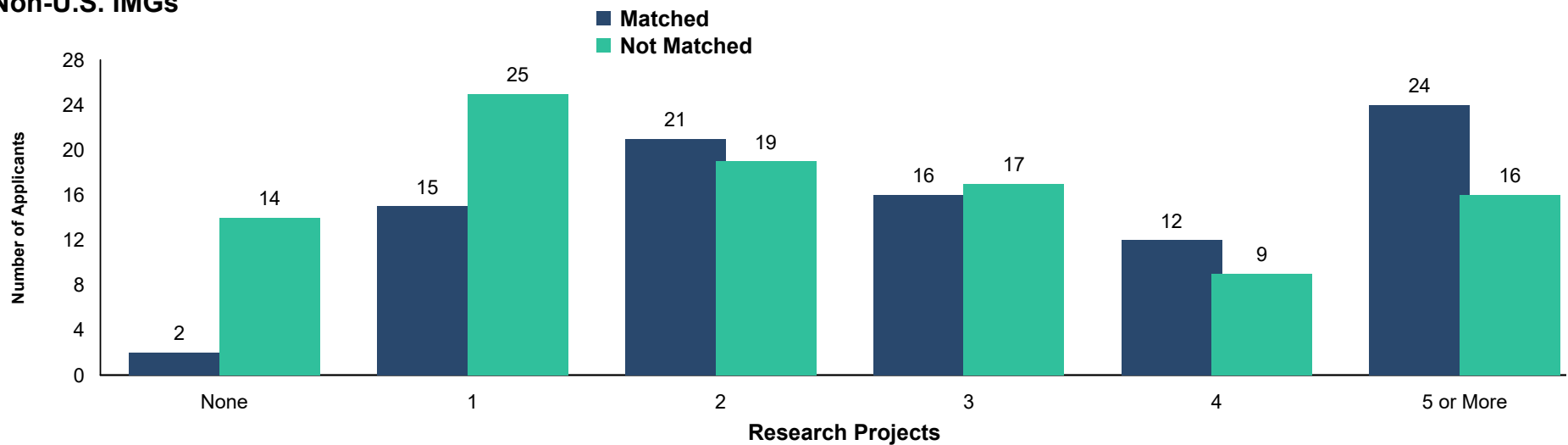
**Chart  
P-5**

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

**U.S. IMGs**



**Non-U.S. IMGs**



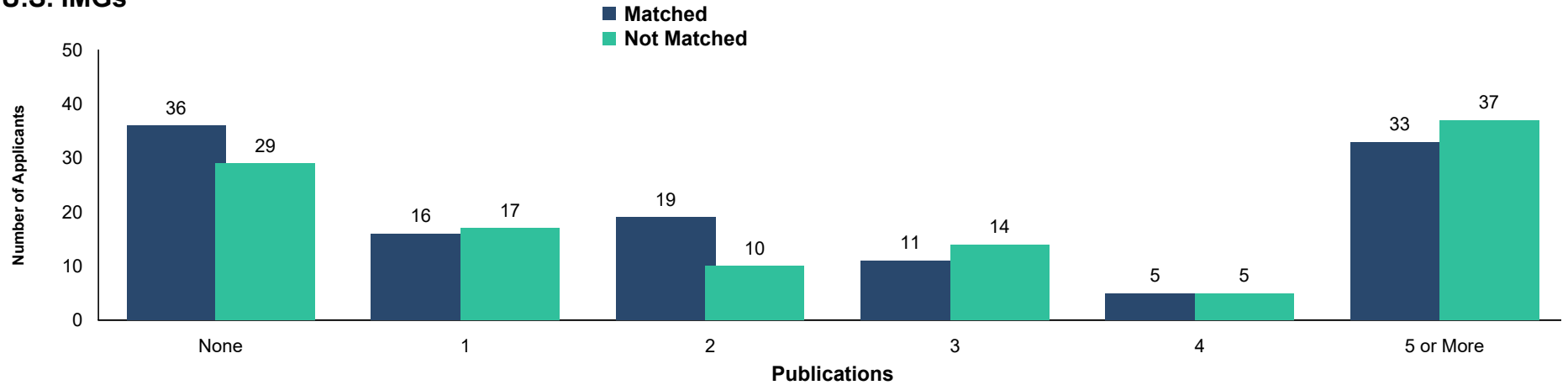
Source: NRMP Data Warehouse



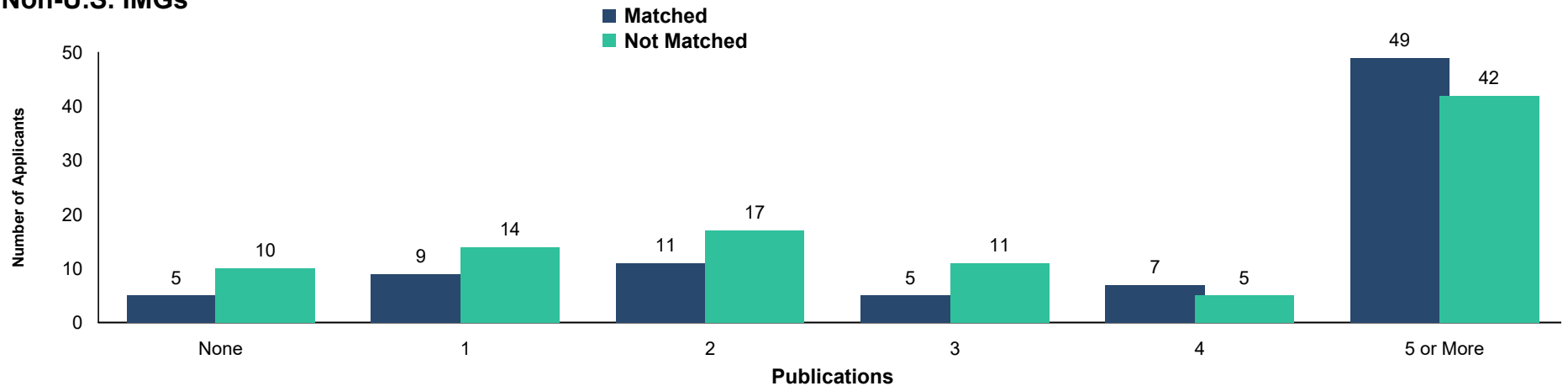
**Chart  
P-6**

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

**U.S. IMGs**



**Non-U.S. IMGs**

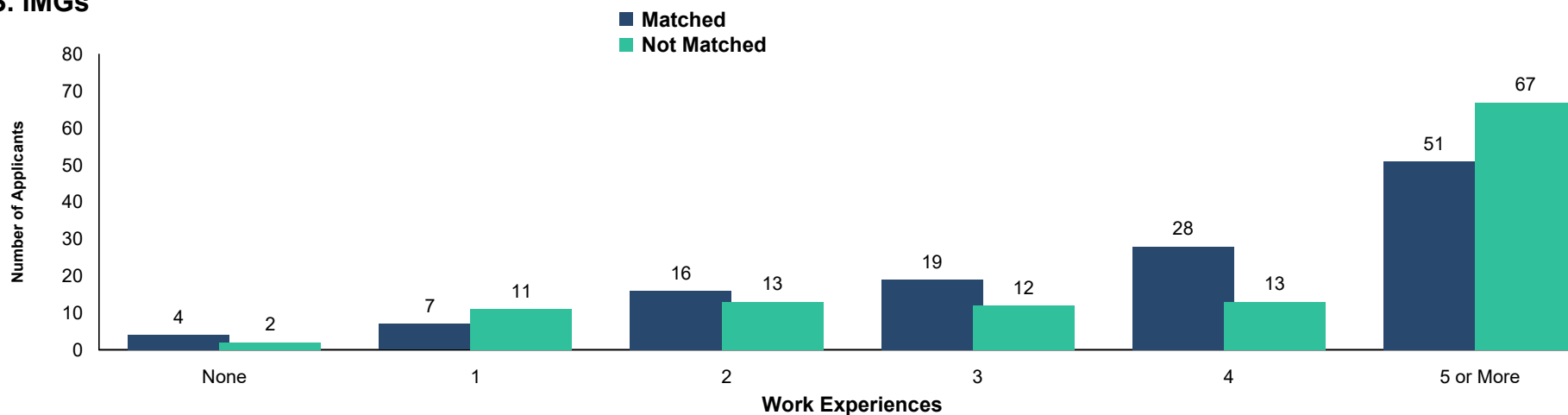


Source: NRMP Data Warehouse

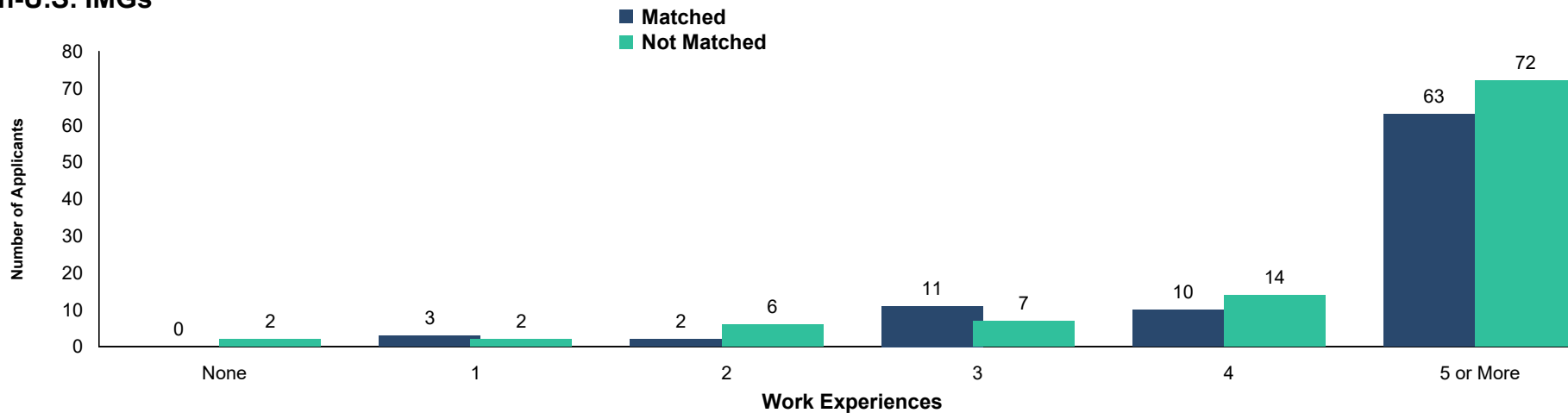
**Chart  
P-7**

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

**U.S. IMGs**



**Non-U.S. IMGs**

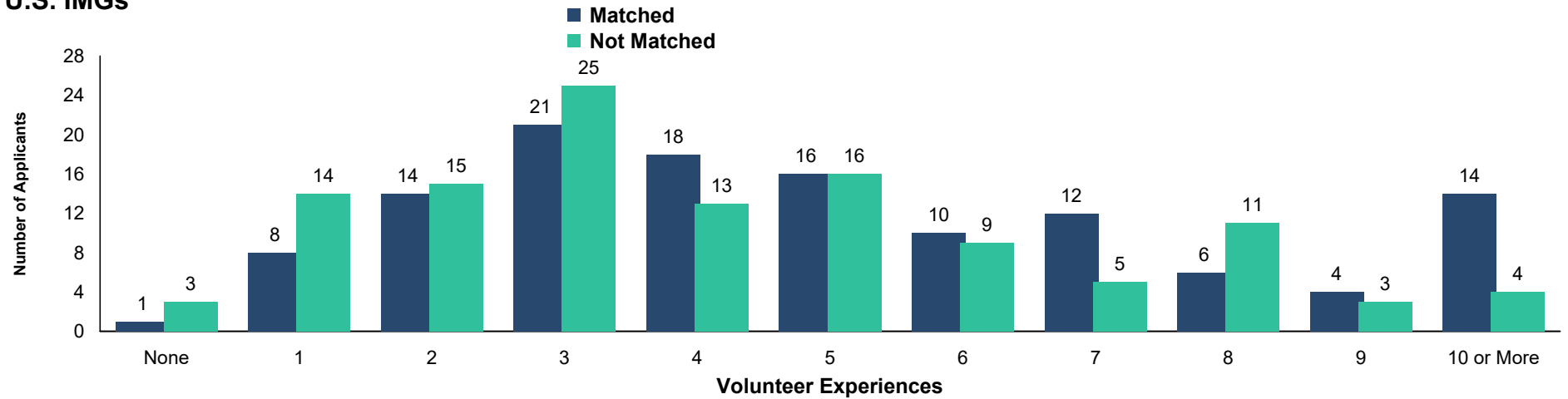


Source: NRMP Data Warehouse

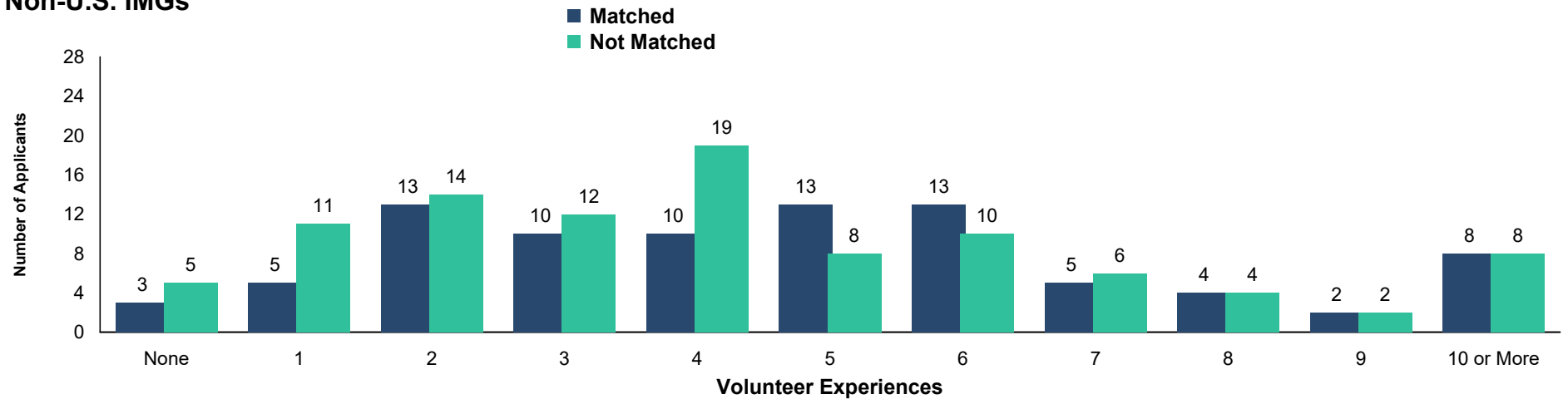
**Chart  
P-8**

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

**U.S. IMGs**



**Non-U.S. IMGs**



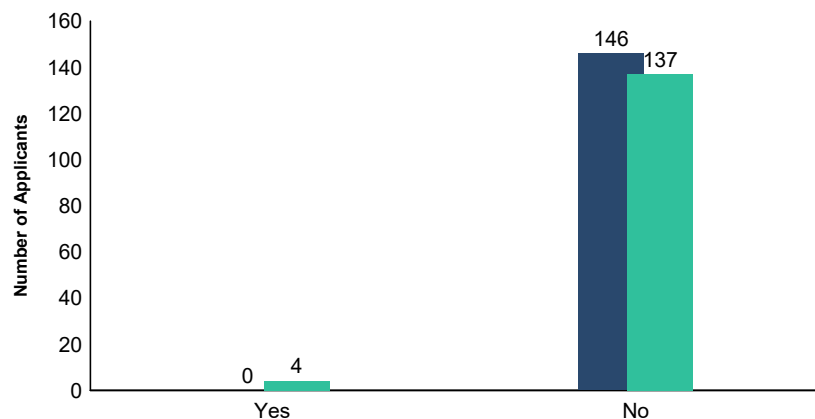
Source: NRMP Data Warehouse

**Chart  
P-9**

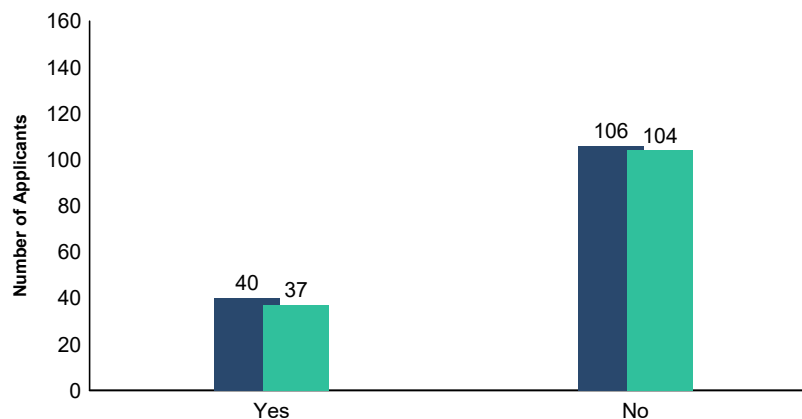
**Other Characteristics of International Medical Graduates  
Psychiatry**

**U.S. IMGs**

**Ph.D. Degree**

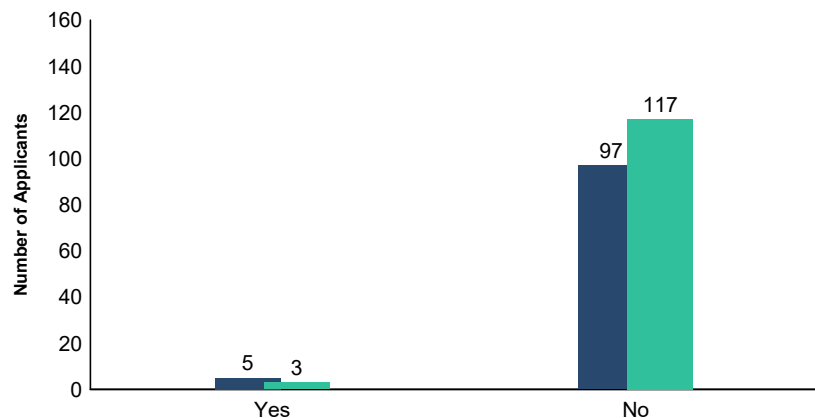


**Other Graduate Degree**

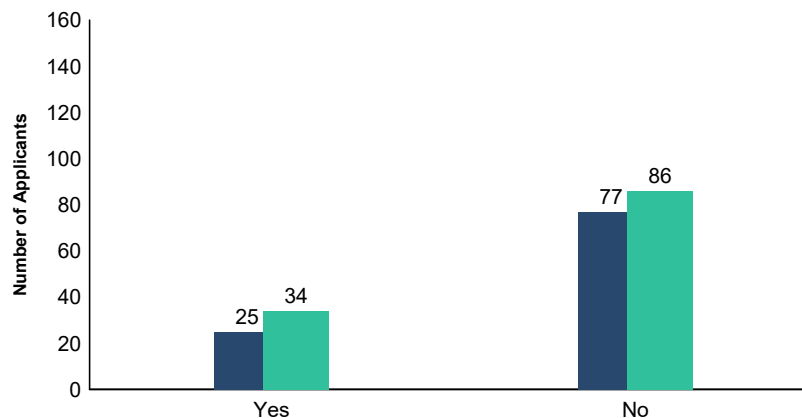


**Non-U.S. IMGs**

**Ph.D. Degree**



**Other Graduate Degree**



Source: NRMP Data Warehouse

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**RO** Radiation Oncology

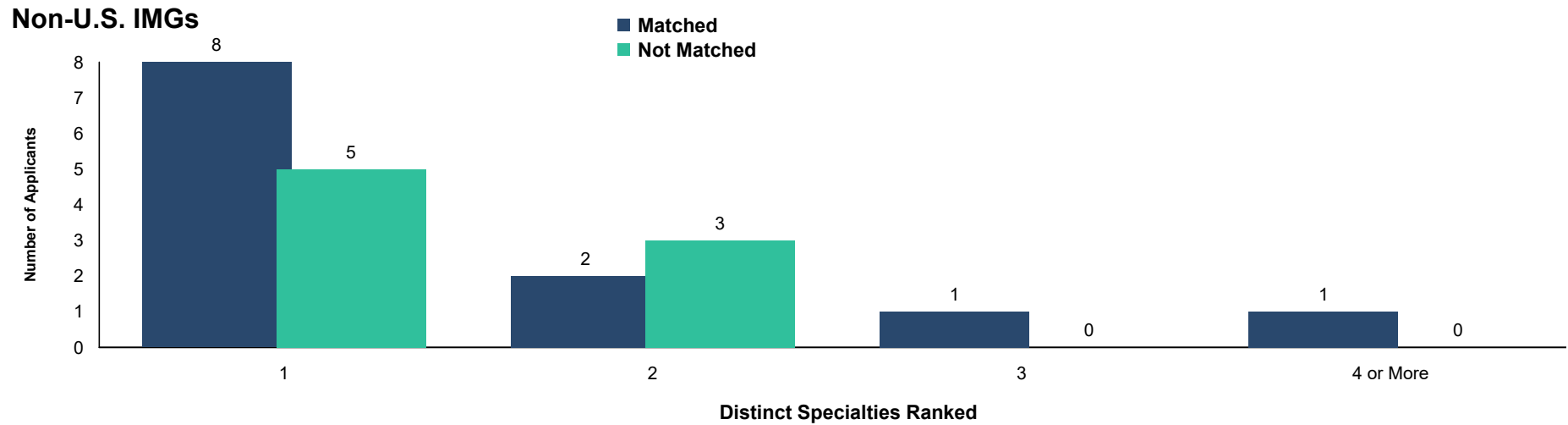
**Table**  
**RO-1** **Summary Statistics**  
**Radiation Oncology**

Measure	U.S. IMGs	Non-U.S. IMGs	
	Data not shown due to the small sample size	Matched (n=12)	Unmatched (n=8)
1. Mean number of contiguous ranks		12.0	5.3
2. Mean number of distinct specialties ranked		1.6	1.4
3. Mean USMLE Step 1 score		228	218
4. Mean USMLE Step 2 score		240	224
5. Mean number of research experiences		5.9	3.4
6. Mean number of abstracts, presentations, and publications		17.0	19.0
7. Mean number of work experiences		6.4	6.8
8. Mean number of volunteer experiences		4.0	3.2
9. Percentage who have a Ph.D. degree		0.0	0.0
10. Percentage who have another graduate degree		45.5	50.0

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



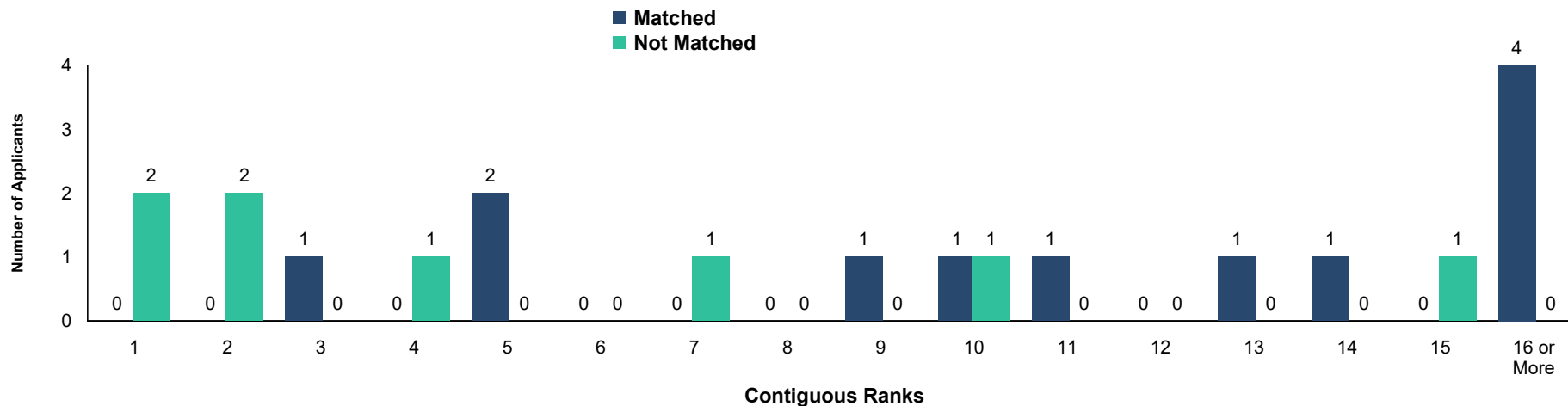
**Note:** Data for U.S. IMGs are not shown due to the small sample size.

Source: NRMP Data Warehouse

**Chart  
RO-2**

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

**Non-U.S. IMGs**



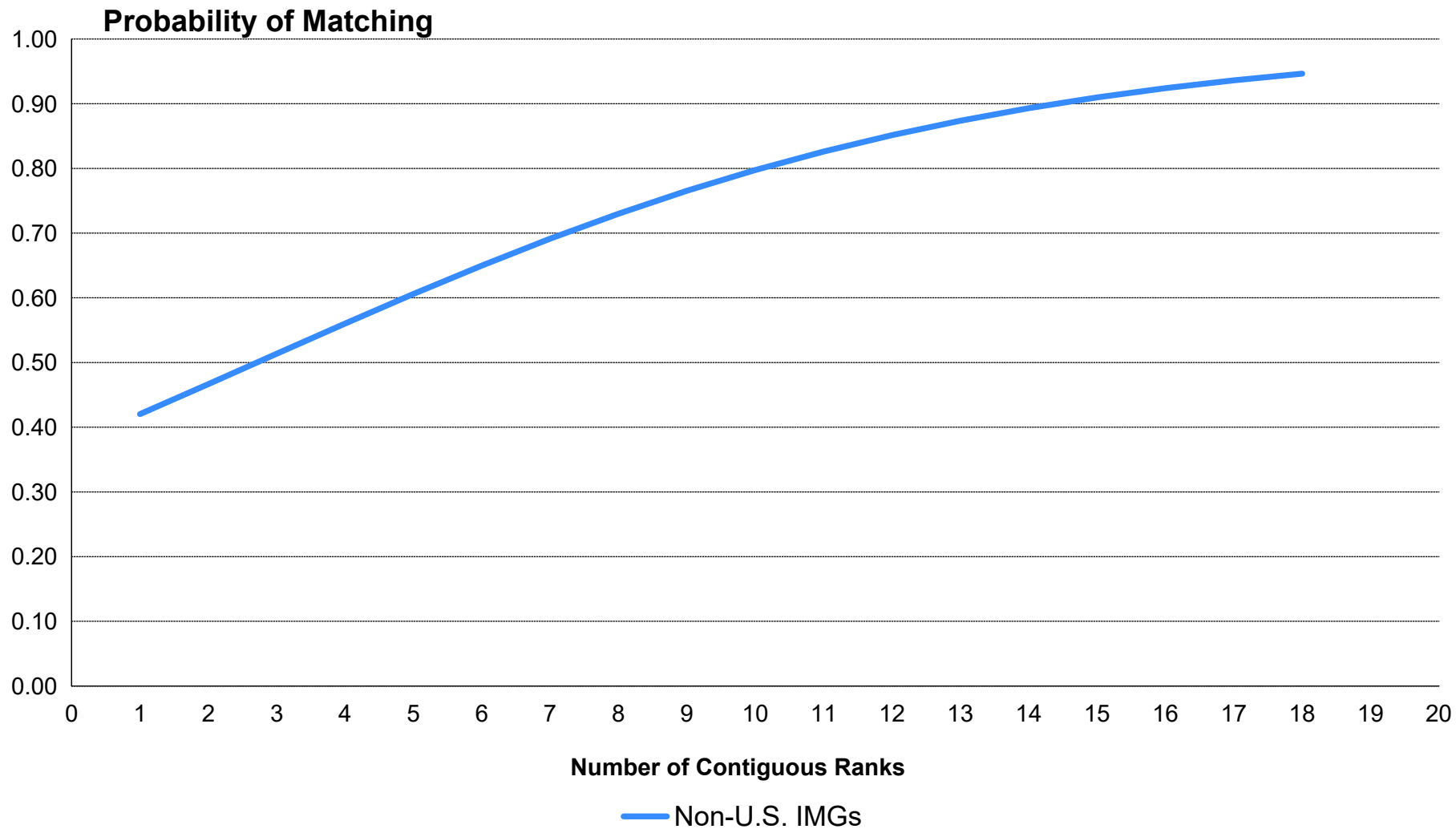
**Note: Data for U.S. IMGs are not shown due to the small sample size.**

Source: NRMP Data Warehouse



**Graph  
RO-1**

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



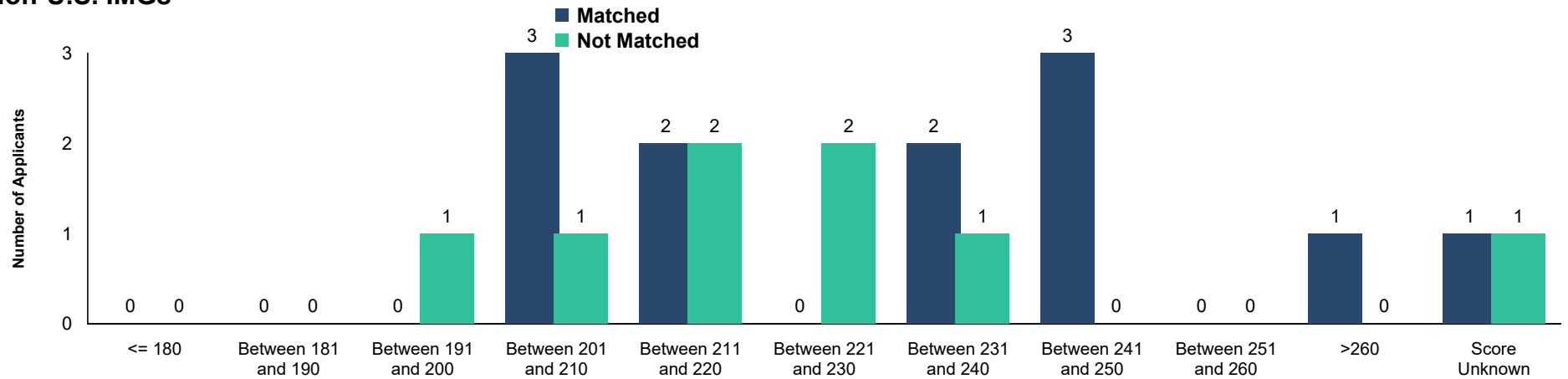
**Note: Data for U.S. IMGs are not shown due to the small sample size.**

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

**Chart  
RO-3**

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

**Non-U.S. IMGs**

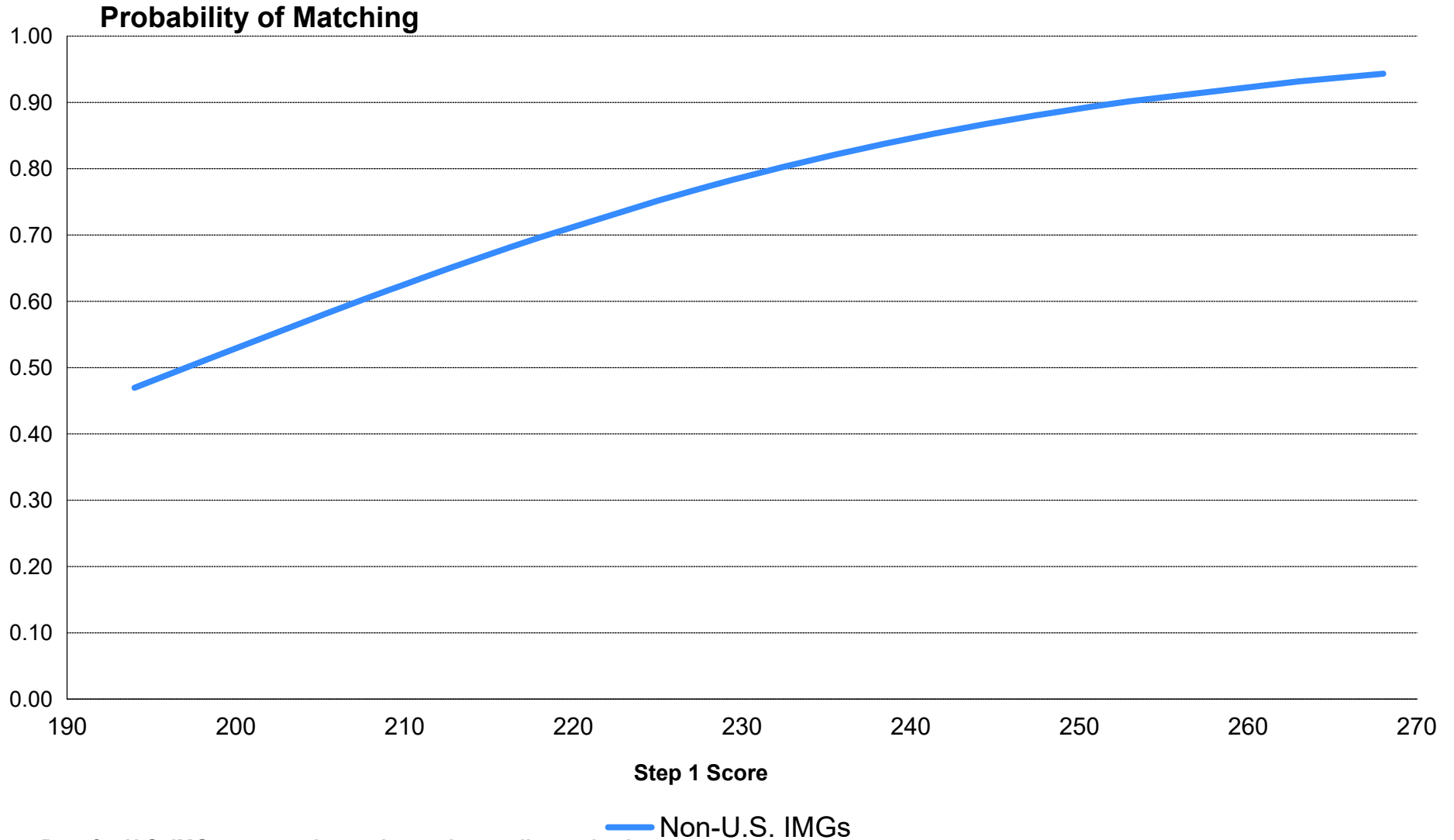


**Note: Data for U.S. IMGs are not shown due to the small sample size.**      **Step 1 Scores**

Source: NRMP Data Warehouse

**Graph  
RO-2**

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



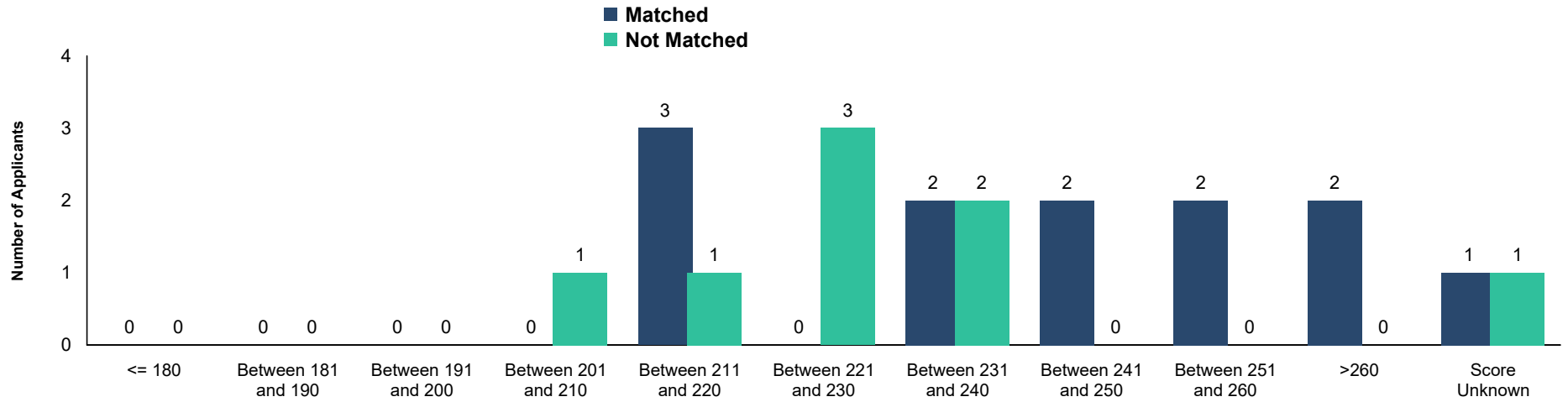
**Note: Data for U.S. IMGs are not shown due to the small sample size.**

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

**Chart  
RO-4**

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

**Non-U.S. IMGs**



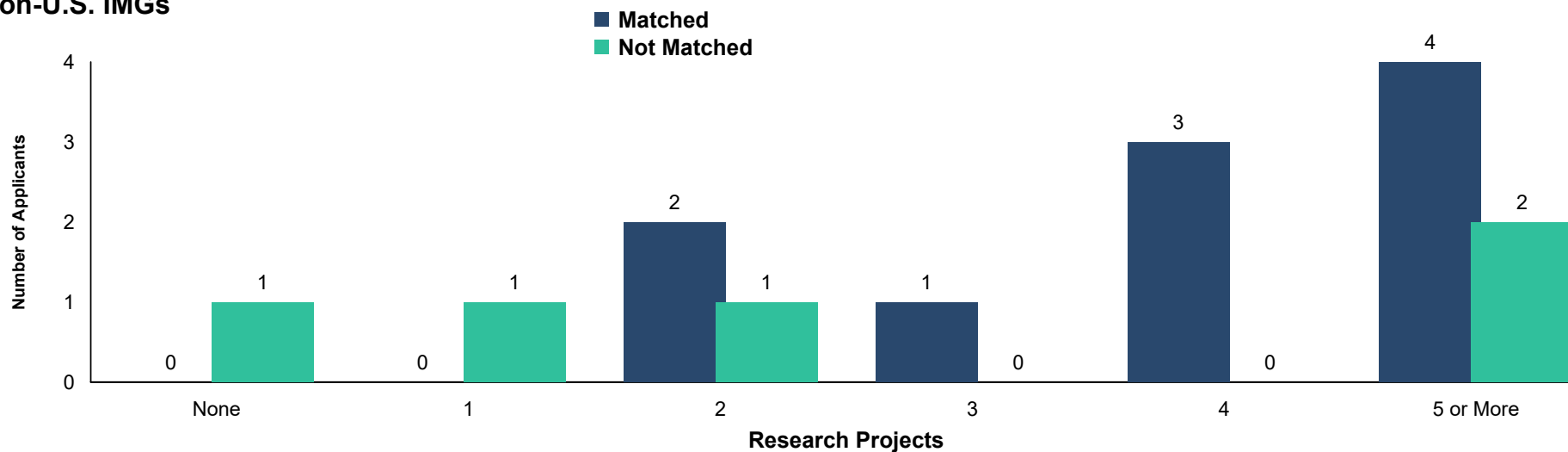
**Note: Data for U.S. IMGs are not shown due to the small sample size.**

Source: NRMP Data Warehouse

**Chart  
RO-5**

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

**Non-U.S. IMGs**

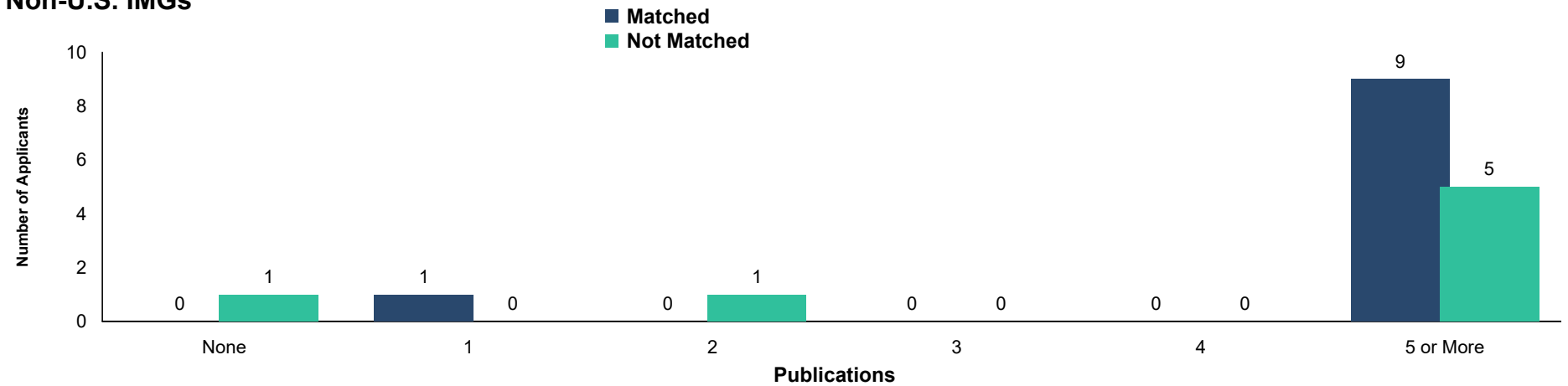


**Note: Data for U.S. IMGs are not shown due to the small sample size.**

**Chart  
RO-6**

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

**Non-U.S. IMGs**



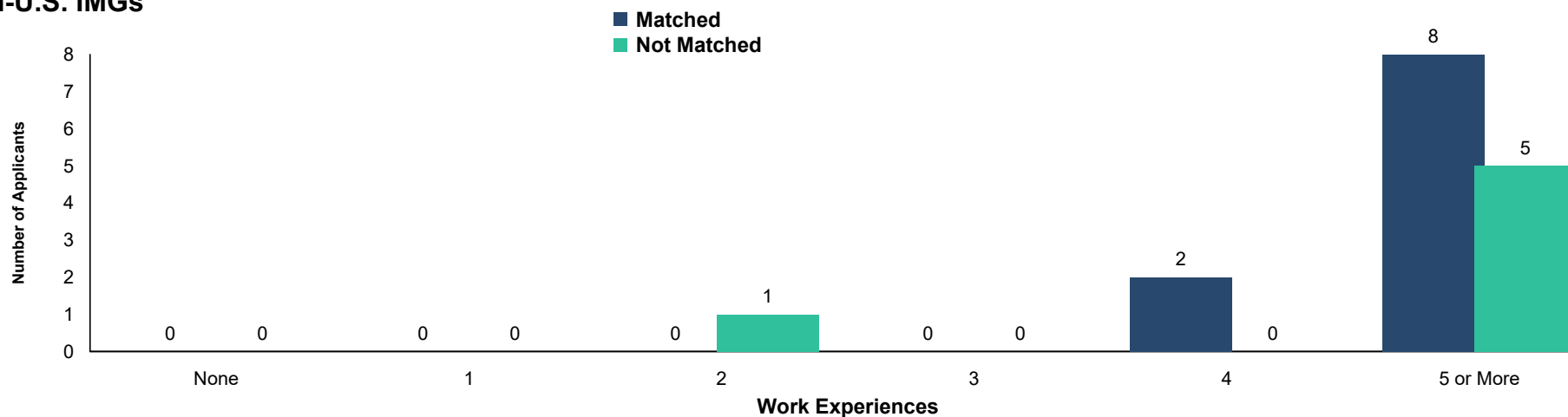
**Note: Data for U.S. IMGs are not shown due to the small sample size.**

Source: NRMP Data Warehouse

**Chart  
RO-7**

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

**Non-U.S. IMGs**

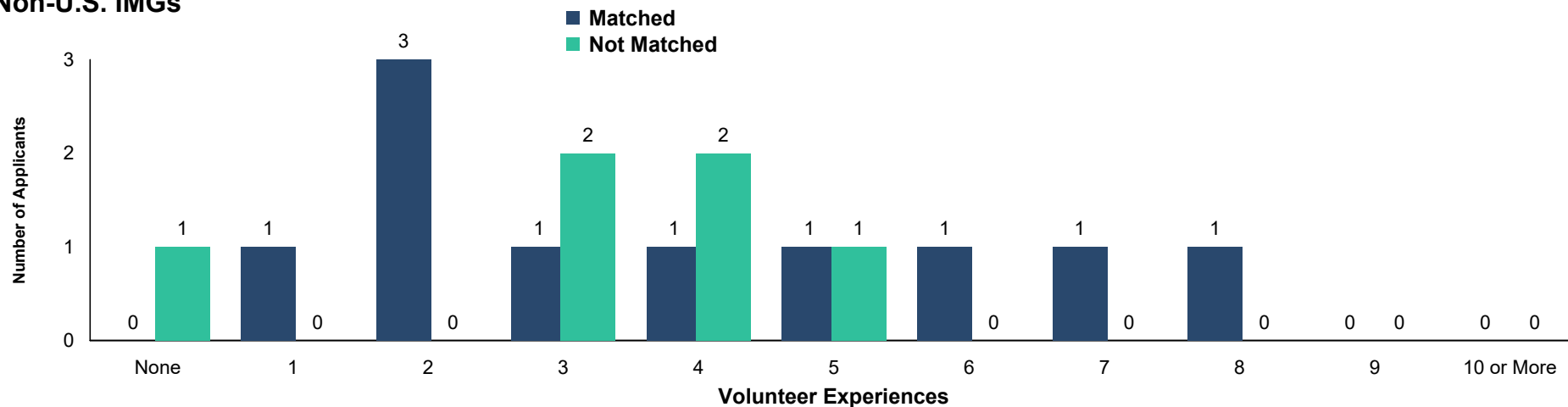


**Note:** Data for U.S. IMGs are not shown due to the small sample size.

**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.**

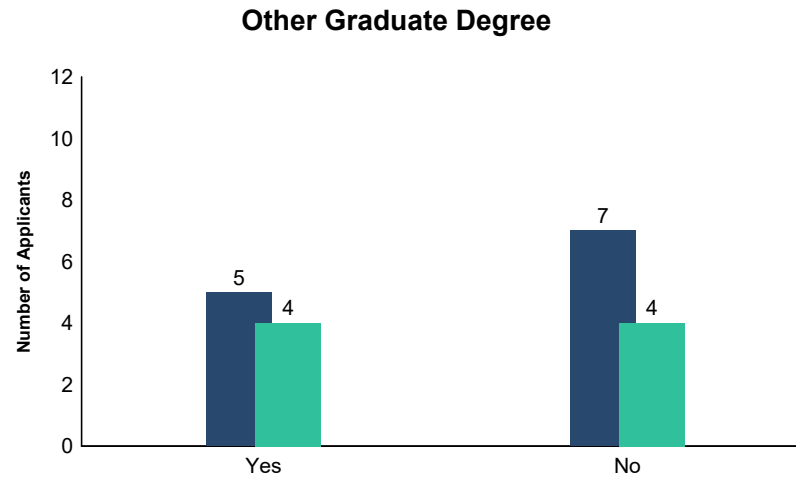
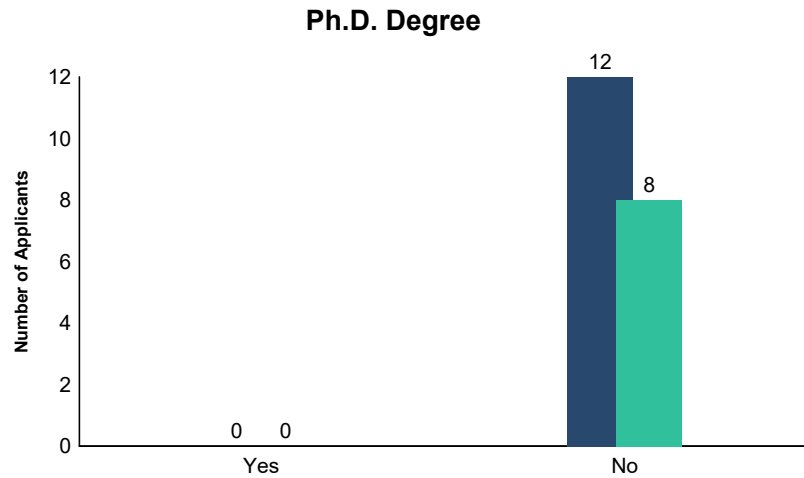
Source: NRMP Data Warehouse



**Chart  
RO-9**

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

**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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**VS** **Vascular Surgery**

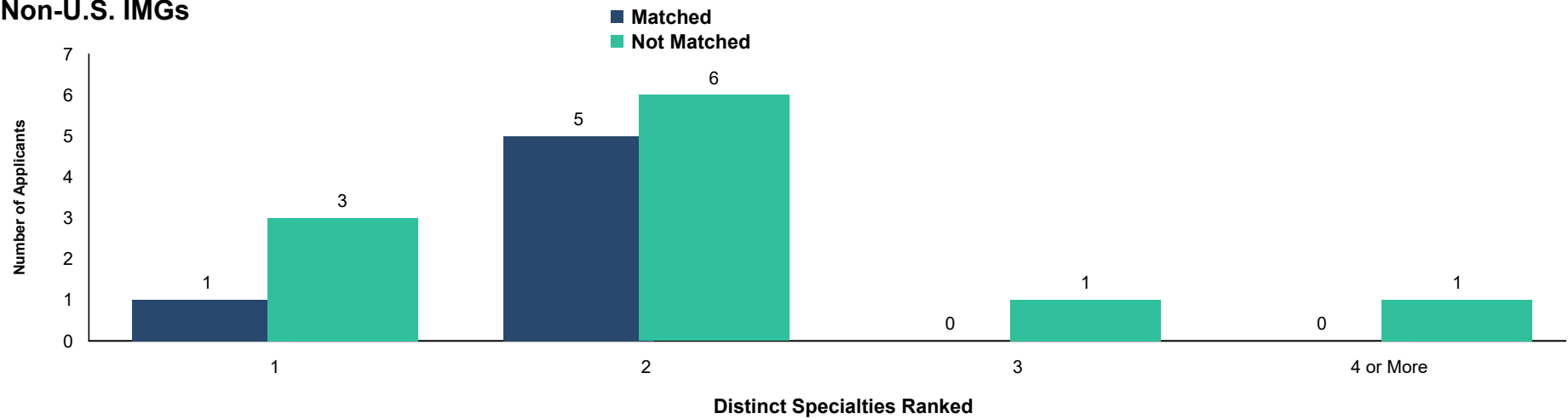
Measure	U.S. IMGs	Non-U.S. IMGs	
	Data not shown due to the small sample size	Matched (n=6)	Unmatched (n=11)
1. Mean number of contiguous ranks		7.7	3.5
2. Mean number of distinct specialties ranked		1.8	2.0
3. Mean USMLE Step 1 score		241	242
4. Mean USMLE Step 2 score		251	247
5. Mean number of research experiences		9.2	4.8
6. Mean number of abstracts, presentations, and publications		26.2	28.7
7. Mean number of work experiences		5.4	6.7
8. Mean number of volunteer experiences		4.2	4.8
9. Percentage who have a Ph.D. degree		0.0	10.0
10. Percentage who have another graduate degree		20.0	30.0

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



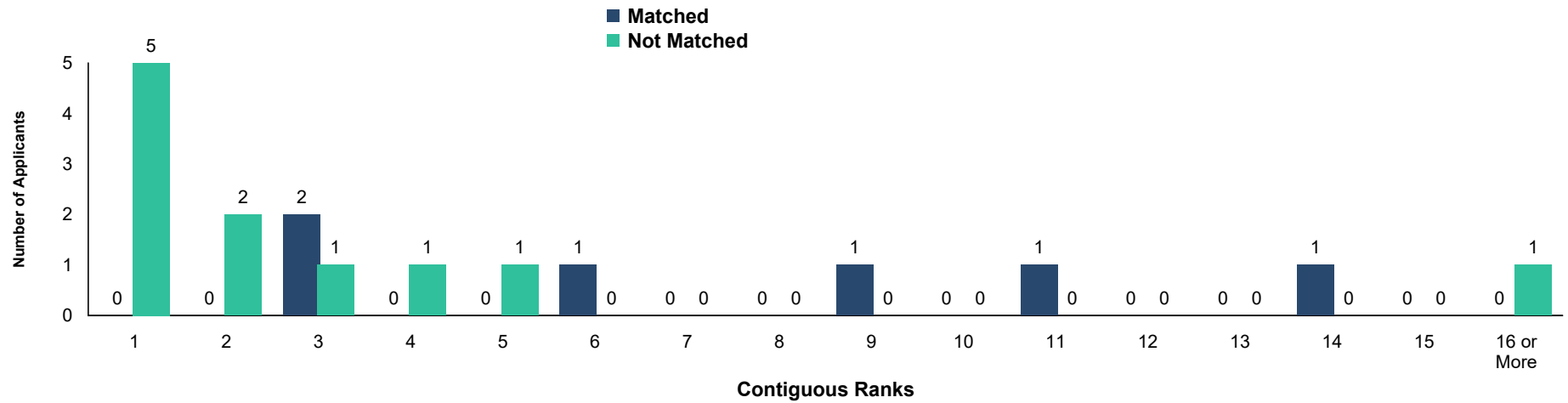
**Note:** Data for U.S. IMGs are not shown due to the small sample size.

Source: NRMP Data Warehouse

**Chart  
VS-2**

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

**Non-U.S. IMGs**

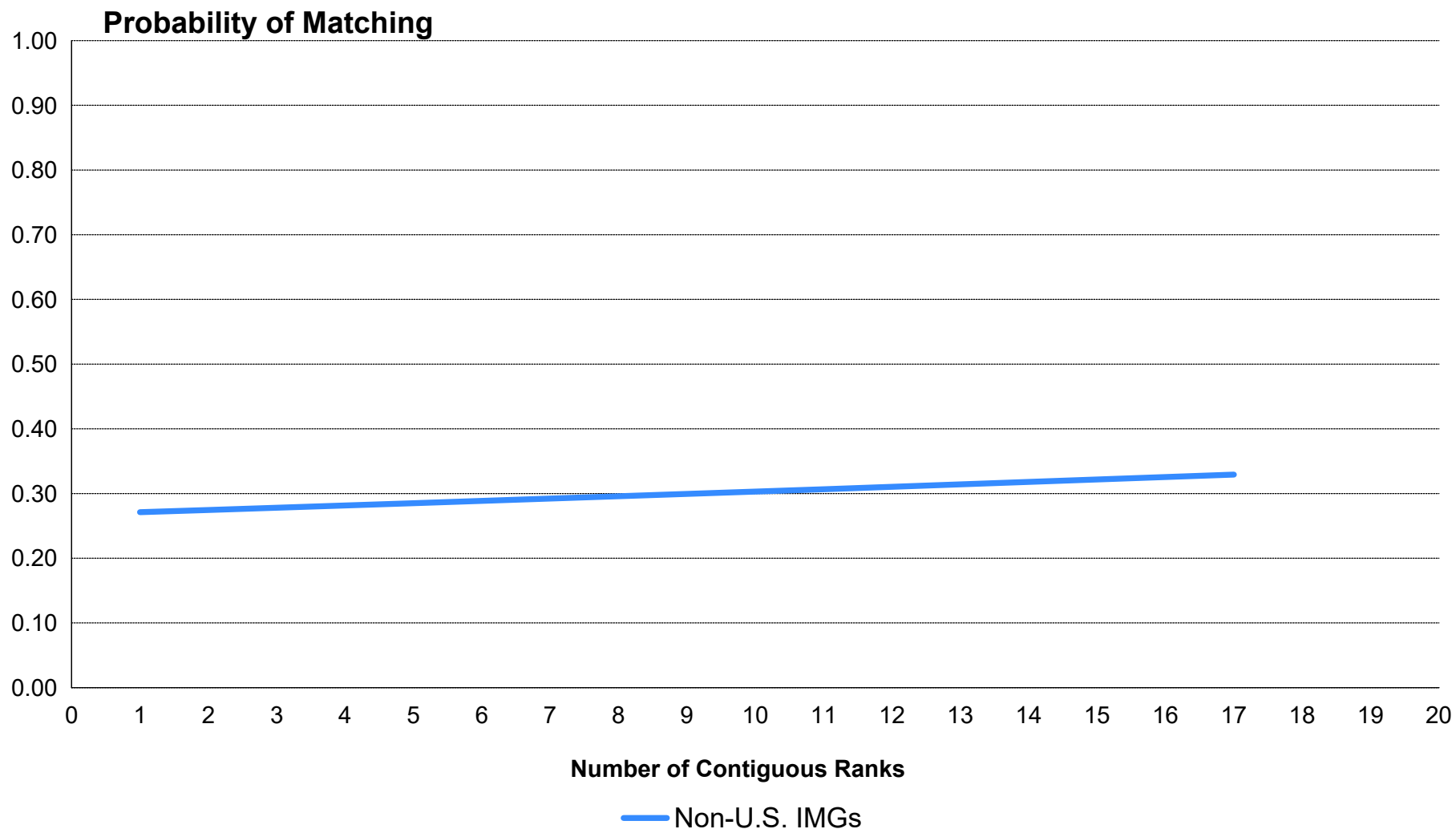


**Note: Data for U.S. IMGs are not shown due to the small sample size.**

Source: NRMP Data Warehouse

**Graph  
VS-1**

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



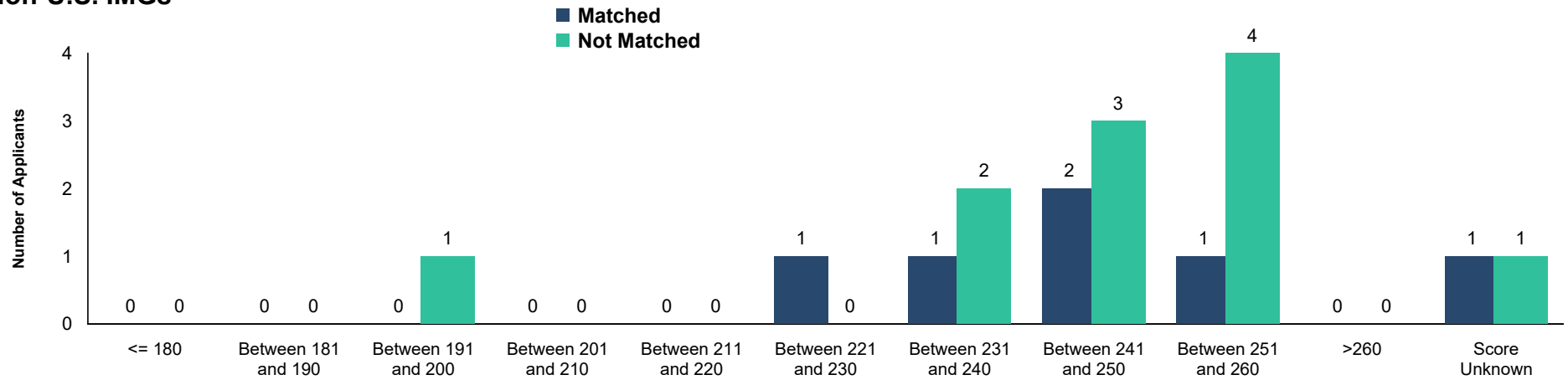
**Note: Data for U.S. IMGs are not shown due to the small sample size.**

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

**Chart  
VS-3**

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

**Non-U.S. IMGs**



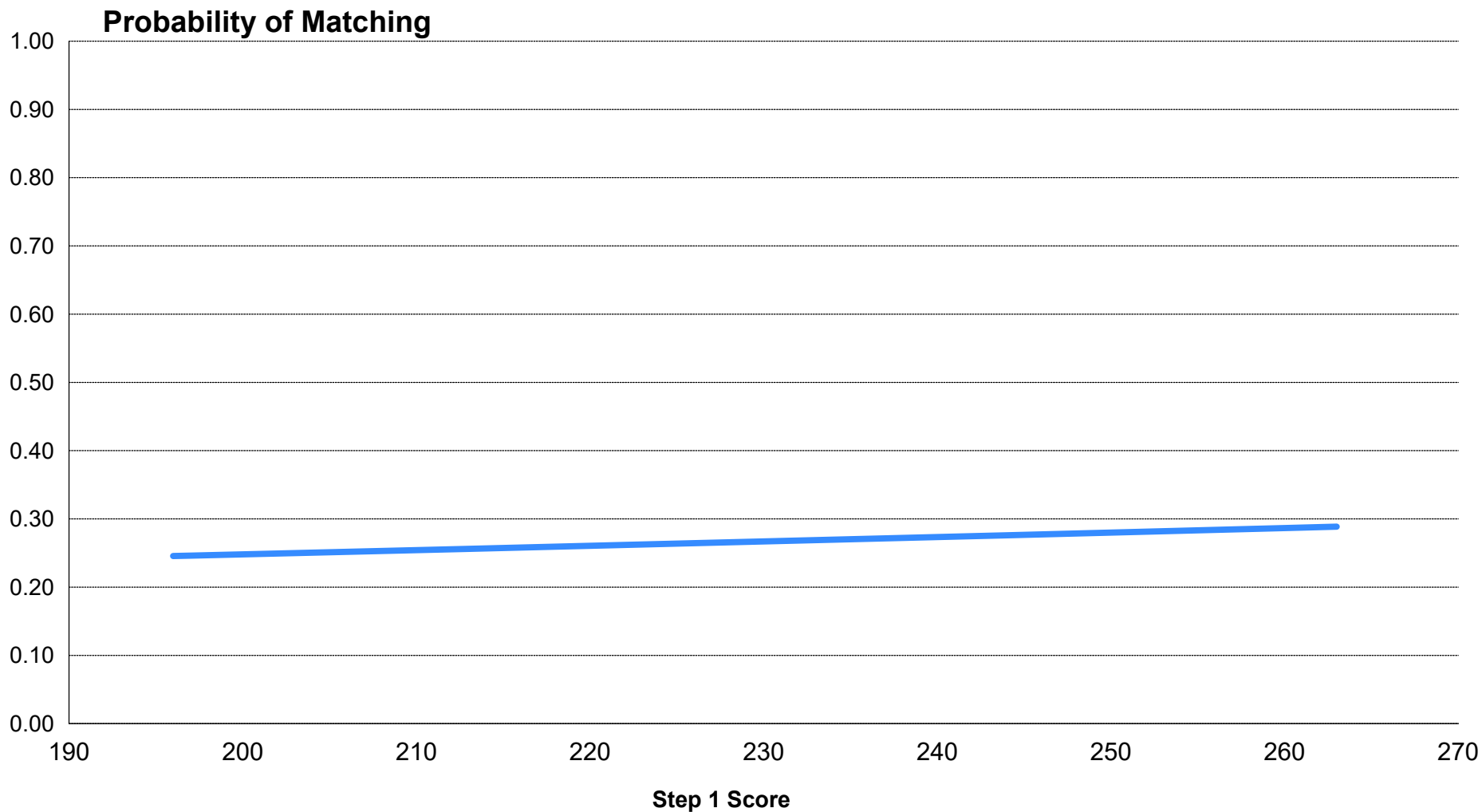
**Note: Data for U.S. IMGs are not shown due to the small sample size.**

**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*



— Non-U.S. IMGs

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

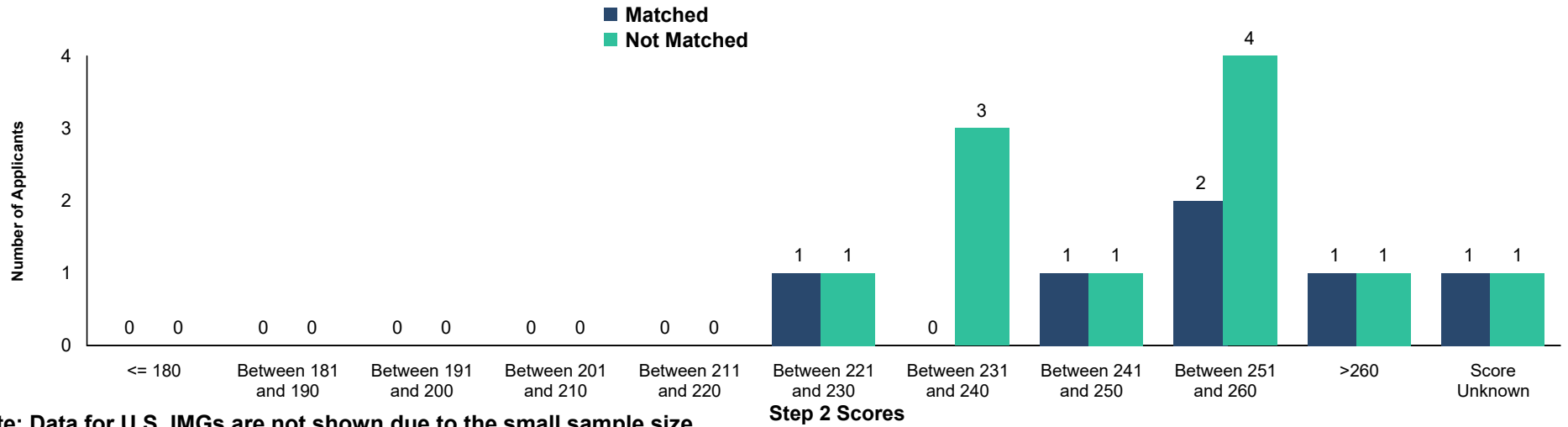
*Source: NRMP Data Warehouse. Note: Probabilities calculated based on 2020-2022 applicants.*



**Chart  
VS-4**

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

**Non-U.S. IMGs**

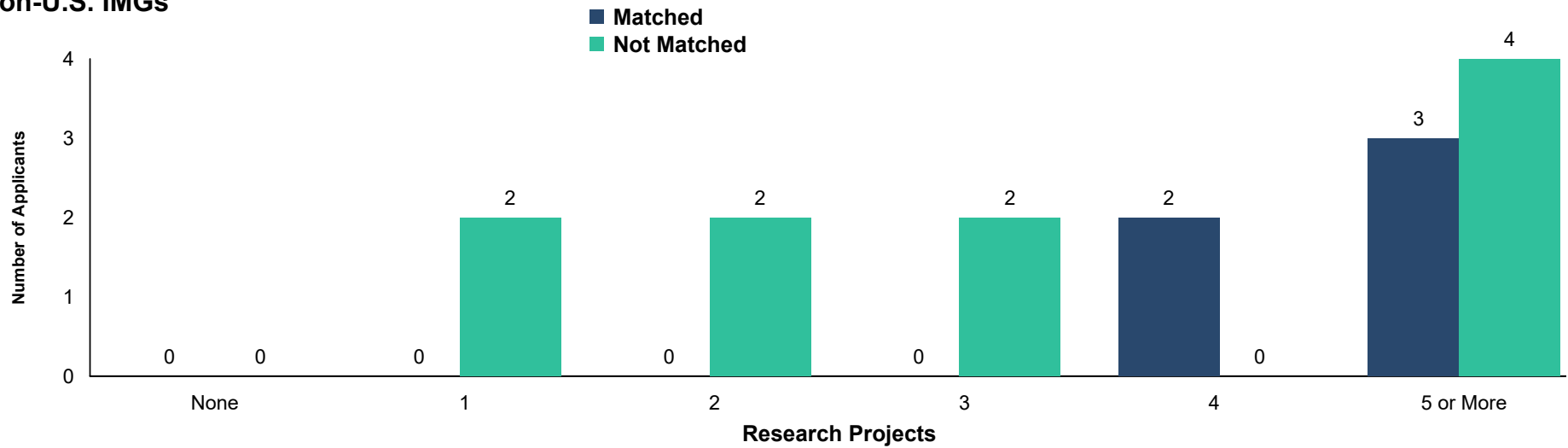


Source: NRMP Data Warehouse

**Chart  
VS-5**

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

**Non-U.S. IMGs**

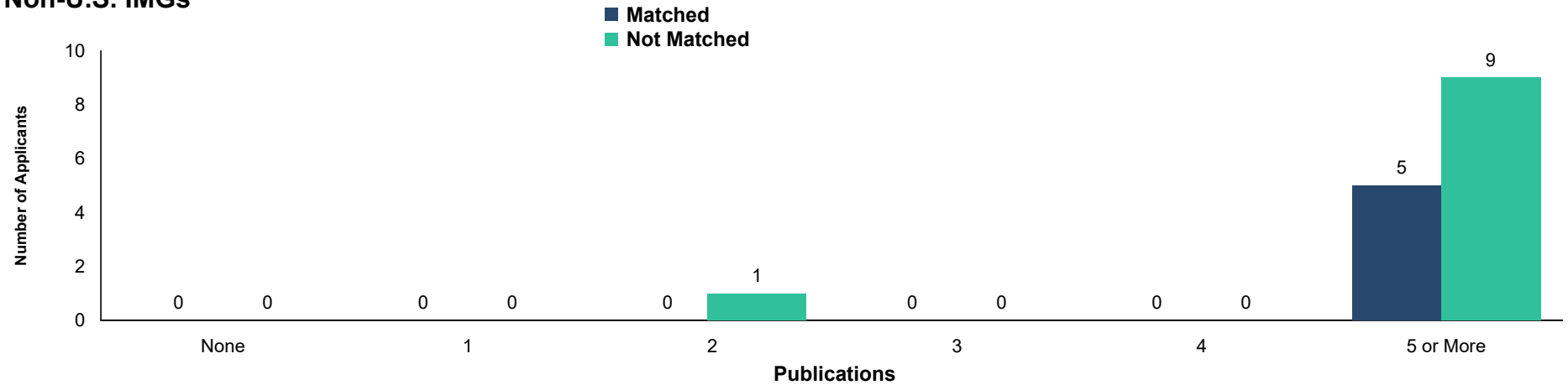


**Note: Data for U.S. IMGs are not shown due to the small sample size.**

**Chart  
VS-6**

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

**Non-U.S. IMGs**



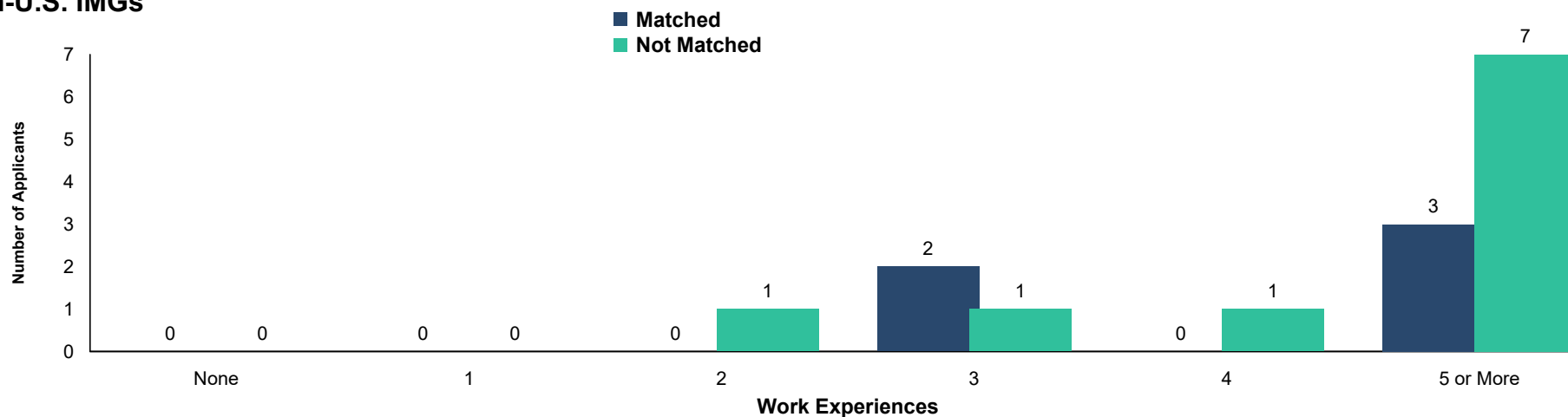
**Note:** Data for U.S. IMGs are not shown due to the small sample size.

Source: NRMP Data Warehouse

**Chart  
VS-7**

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

**Non-U.S. IMGs**

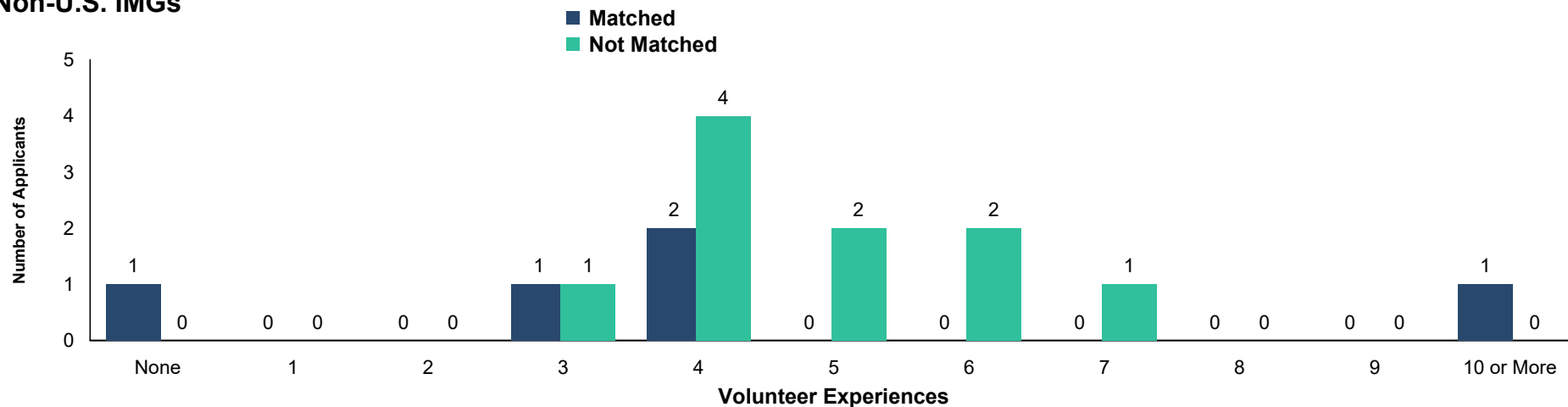


**Note:** Data for U.S. IMGs are not shown due to the small sample size.

**Chart  
VS-8**

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

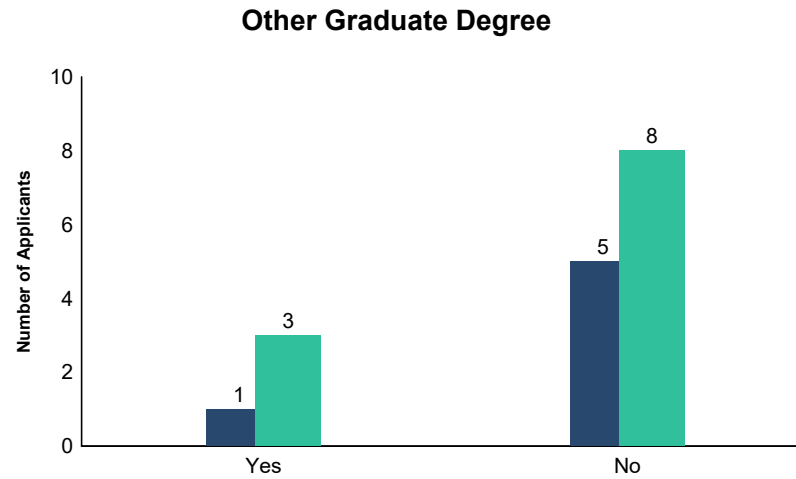
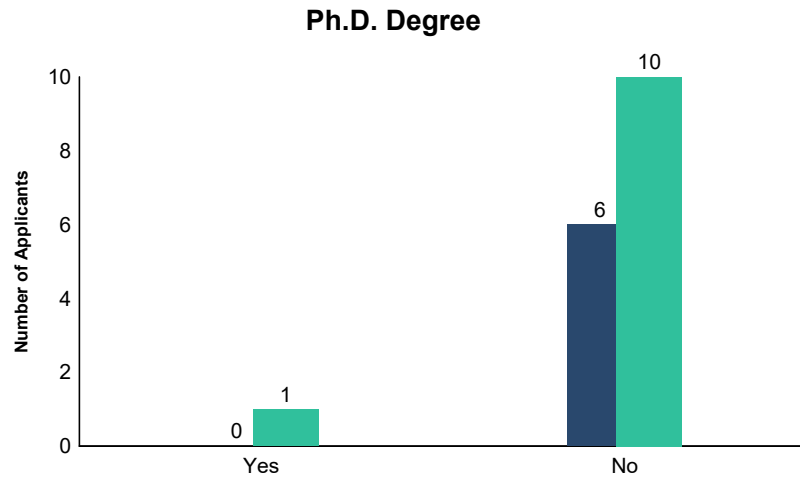
**Non-U.S. IMGs**



**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