Charting Outcomes™:
Characterstics of International Medical Graduates Who Matched to Their Preferred Specialty

2024 Main Residency Match®

5th Edition

Prepared by:
National Resident Matching Program
www.nrmp.org

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2024 Introduction

Background

The first edition of *Charting Outcomes in the Match* was published in August 2006 to document how applicant qualifications affect success in the Main Residency Match®. The report was published biennially between 2007 and 2011 and was a collaboration of the National Resident Matching Program® (NRMP®) and the Association of American Medical Colleges® (AAMC®). Match outcome data from the NRMP were combined with applicant characteristics from the AAMC's Electronic Residency Application Service (ERAS®) and United States Medical Licensing Examination (USMLE®) scores from the AAMC data warehouse. In 2013, NRMP collaborated with the Educational Commission for Foreign Medical Graduates (ECFMG®) to produce the first edition of *Charting Outcomes in the Match for International Medical Graduates* using some variables unique to U.S. citizen and non-U.S. citizen students and graduates of international medical schools (IMGs). Starting with the 2014 Main Residency Match, the NRMP added a Professional Profile section to its Match registration process to collect USMLE scores and other applicant characteristics, and those have been used to independently produce all subsequent *Charting Outcomes in the Match* reports.

With the exception of the 2013 report, all versions of *Charting Outcomes in the Match* published prior to 2016 examined the Match success of only two applicant groups: senior students from U.S. MD medical schools and independent applicants. Independent applicants included all applicant types other than U.S. MD seniors: graduates of U.S. MD medical schools, students/graduates of U.S. DO medical schools, students/graduates of Fifth Pathway programs, students/graduates of Canadian medical schools, and U.S. citizen and non-U.S. citizen students/graduates of international medical schools. Because independent applicants are a heterogeneous group, a decision was made in 2016 to report data separately for U.S. MD medical school seniors, students/graduates of U.S. DO medical schools, and U.S. citizen and non-U.S. citizen students/graduates of international medical schools. In 2018, reports were further refined to highlight senior students of U.S. DO medical schools separately and eliminating reporting on U.S. DO medical school graduates because their numbers are so small. This report is the fifth edition of the *Charting Outcomes in the Match* for International Medical Graduates.

Definition of International Medical Graduate (IMG)

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

Data

Match success, specialty preference, and ranking information were collected through the Main Residency Match. Other applicant characteristics, including USMLE Step 1 and Step 2 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. Completion of the form was optional.

It is important to note that due to the transition of USMLE Step 1 to pass/fail (i.e., tests taken after January 26, 2022 only receive a pass/fail rather than a numeric score), the number of applicants reporting Step 1 scores is decreasing and will continue to decrease in upcoming years. In 2024, only 59.0 percent of IMG applicants (62.6 percent of U.S. IMGs, and 57.4 percent non-U.S. IMGs) who consented to provide their academic information upon registration to the Match self-reported numeric Step 1 scores.

A total of 14,772 IMG applicants (4,751 U.S. IMGs and 10,021 non-U.S. IMGs) submitted certified rank order lists in the 2024 Main Residency Match. After excluding the 24.3 percent of U.S. IMGs and 20.0 percent of non-U.S. IMGs who did not give consent to participate in NRMP research, 11,613 IMG applicants (3,599 U.S. IMGs and 8,014 non-U.S. IMGs) were included in the final dataset. Missing data were found in Step 2 scores (8.7% and 2.7%), number of research experiences (18.5% and 13.9%), number of abstracts, presentations, and publications (18.5% and 11.6%), number of work experiences (15.3% and 9.4%), number of volunteer experiences (15.9% and 10.3%), Ph.D. degree (8.4% and 6.0%), and other graduate degree (7.7% and 5.6%).

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 2024 Main Residency Match are included in this report. Although Otolaryngology offered more than 50 positions, they are excluded from the specialty-specific analyses in this report because very few IMGs preferred those specialties. There were three specialties that did not meet these criteria among U.S. IMGs only including Child Neurology, Radiation Oncology, and Vascular Surgery. There were no specialties that did not meet these criteria for non-U.S. IMGs. Transitional Year programs are excluded because they are not viewed as a preferred specialty choice.

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Ten measures are incorporated in this report. 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 2022, 2023, and 2024.

It is important to note that for purposes of this report, Match success is defined as a match to the specialty of the applicant's first-ranked program, or "preferred specialty," because that is assumed to be the specialty of choice. No distinction was made based on applicants' program choice.

Summary

Some general observations apply to all specialties in this report. IMGs who are successful in matching to their preferred specialty (compared to those who do not match to their preferred specialty) are more likely to:

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

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

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

The data in this report support the following straightforward advice for applicants:

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

For questions, comments or more information, please contact:

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Tables and Charts for All Specialties

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Chart 1

Active Applicants in the 2024 Main Residency Match
by Applicant Type

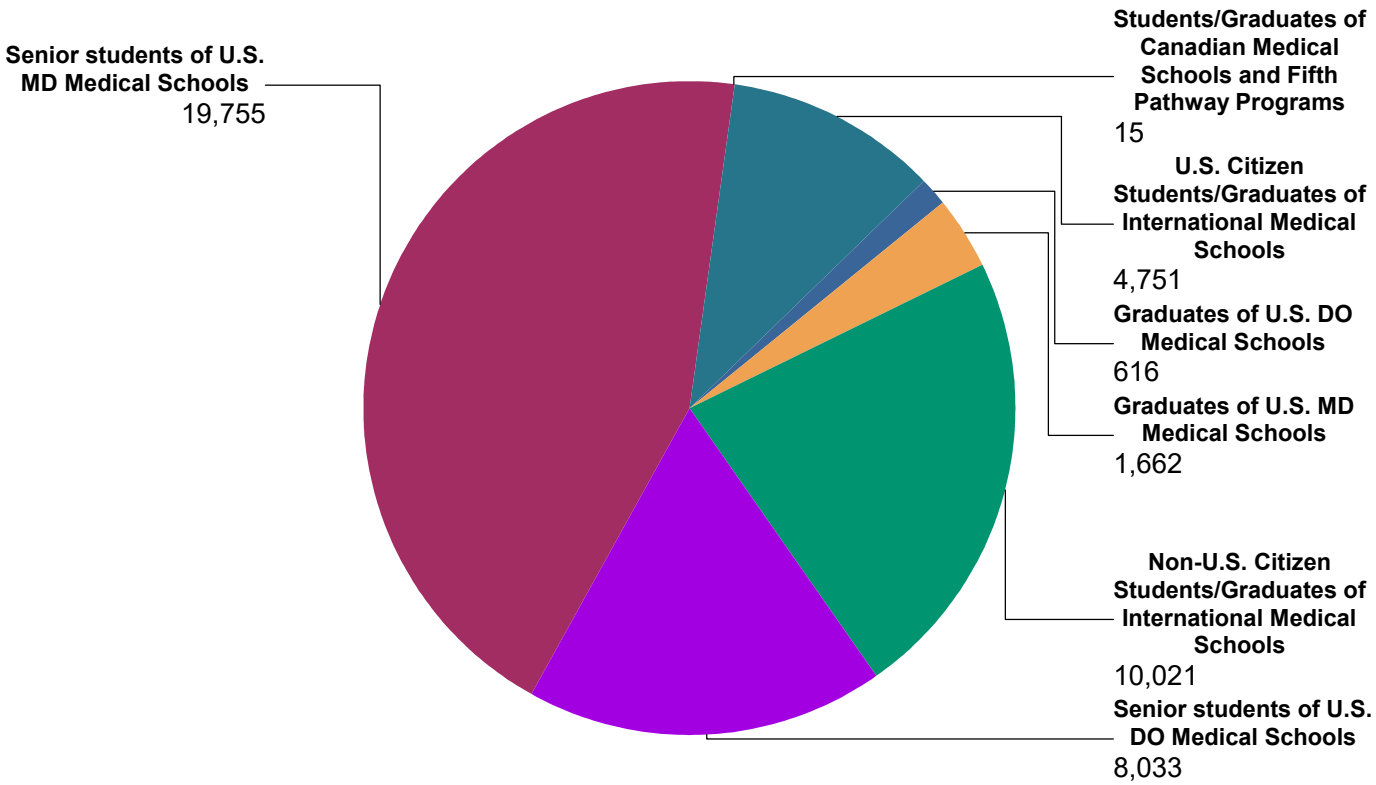

Chart 1 shows the number of active applicants (i.e., applicants who have certified a rank order list) by applicant type in the 2024 Main Residency Match. A total of 44,853 active applicants participated in the 2024 Main Residency Match. Non-U.S. IMGs constituted 22.3 percent of all applicants in the Match, the second largest group after U.S. MD Seniors. U.S. IMGs accounted for 10.6 percent of the applicant pool. The number of students and graduates of Canadian medical schools and Fifth Pathway programs remains small (n=15).

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Table 1 Number of Applicants and Positions in the 2024 Main Residency Match *by Preferred Specialty**

Preferred Specialty	Total Positions Offered	Total Number of All Applicants	Number of All Applicants Per Position	U.S. IMGs			Non-U.S. IMGs		
				Matched	Not Matched	Total	Matched	Not Matched	Total
Anesthesiology	2,135	2,933	1.37	90	93	183	91	119	210
Child Neurology	212	211	1.00	Data not shown			13	14	27
Dermatology	576	916	1.59	8	14	22	11	20	31
Diagnostic Radiology	1,186	1,566	1.32	28	52	80	76	92	168
Emergency Medicine	3,026	2,980	0.98	295	77	372	104	96	200
Family Medicine	5,213	4,702	0.90	614	309	923	505	326	831
General Surgery	1,717	2,529	1.47	74	165	239	93	256	349
Internal Medicine	10,681	13,143	1.23	1,036	645	1,681	3,076	2,661	5,737
Internal Medicine/Pediatrics	390	488	1.25	7	4	11	10	26	36
Interventional Radiology	190	256	1.35	4	11	15	8	13	21
Neurological Surgery	241	414	1.72	4	7	11	16	35	51
Neurology	1,126	1,476	1.31	61	53	114	238	251	489
Obstetrics and Gynecology	1,539	2,034	1.32	51	72	123	42	80	122
Orthopaedic Surgery	916	1,448	1.58	6	25	31	2	14	16
Pathology	628	942	1.50	60	76	136	165	212	377
Pediatrics	3,139	2,904	0.93	212	42	254	458	132	590
Physical Medicine and Rehabilitation	577	740	1.28	18	21	39	16	19	35
Plastic Surgery	213	350	1.64	2	11	13	8	23	31
Psychiatry	2,261	2,859	1.26	175	155	330	175	164	339
Radiation Oncology	203	201	0.99	Data not shown			23	13	36
Vascular Surgery	100	139	1.39	Data not shown			8	18	26

* 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 positions offered in selected specialties, the number of applicants who preferred each specialty (i.e., specialty of the first-ranked program on an applicant's rank order list), and the number of U.S. IMGs and non-U.S. IMGs who preferred each specialty. For example, a total of 2,933 applicants preferred Anesthesiology, among whom 183 are U.S. IMGs (90 matched and 91 not matched to Anesthesiology) and 210 are non-U.S. IMGs (91 matched and 119 not matched to Anesthesiology). For each of the 2,135 positions offered, there were 1.37 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 Child Neurology, Radiation Oncology, or Vascular Surgery. As a result, only the non-U.S. IMG data are displayed in most charts throughout this report for those specialties. For specialties offering both PGY-1 and PGY-2 positions (including Physician (R) positions), all position types have been combined.

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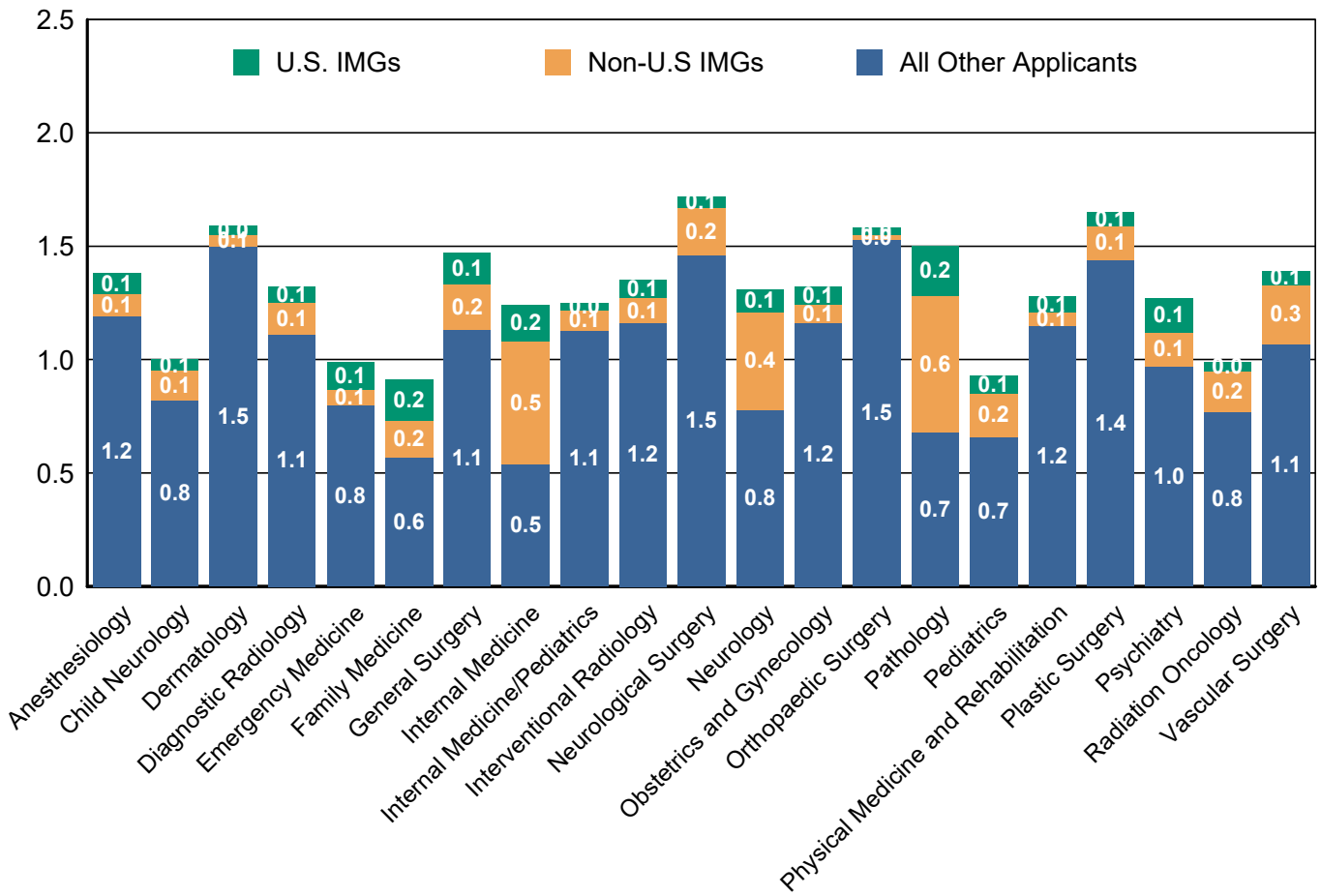
Chart 2

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 who preferred each specialty to available positions in that specialty. For all specialties displayed in the chart, the number of applicants preferring each specialty was equal to or more than the number of available positions. For all applicants, Neurological Surgery had the highest ratio of applicants per position; however, the highest ratios for U.S. IMGs were tied for Family Medicine, Internal Medicine, and Pathology and for non-U.S. IMGs, Pathology.

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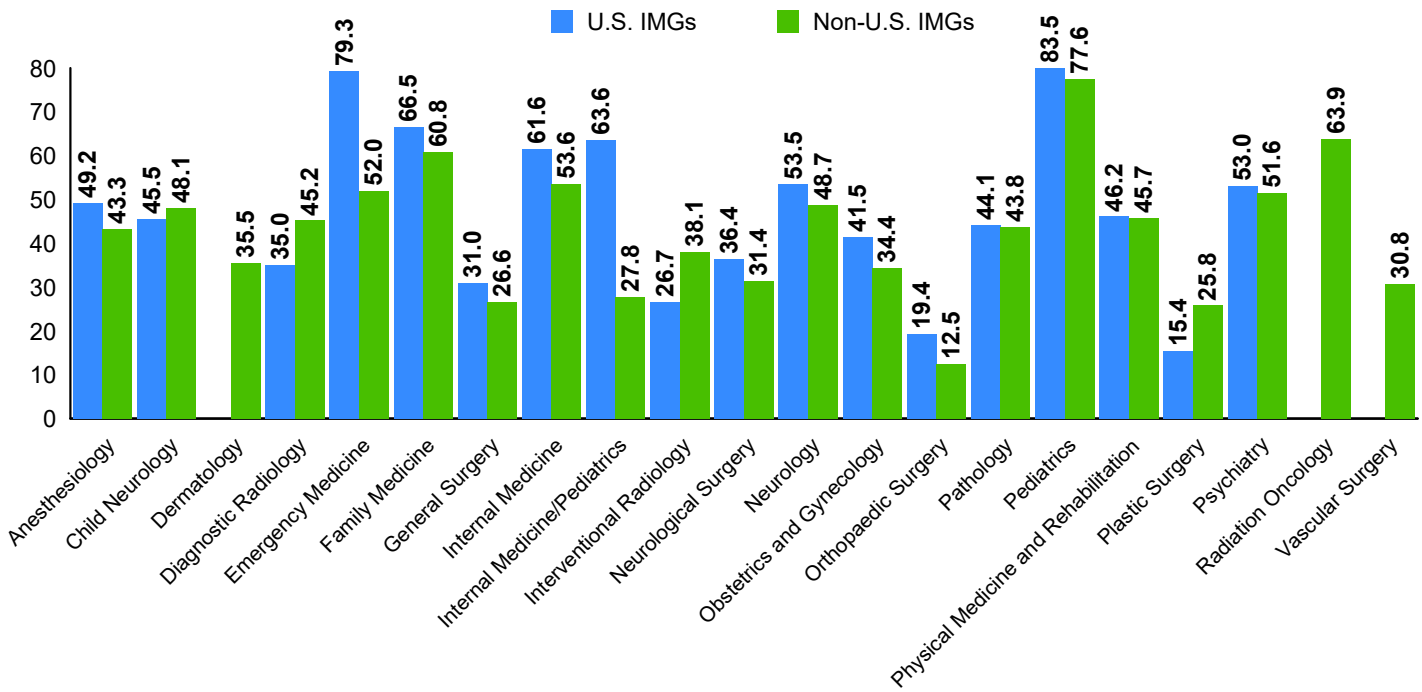
Chart 3

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, 59.9 percent of U.S. IMGs matched to their preferred specialty, ranging from a high of 83.5 percent in Pediatrics to a low of 15.4 percent in Plastic Surgery. For non-U.S. IMGs, the overall match rate was 52.8 percent, ranging from a high of 77.6 percent in Pediatrics to a low of 12.5 percent in Orthopaedic Surgery. Match rates were lower for U.S. IMGs than non-U.S. IMGs only in Child Neurology, Diagnostic Radiology, Interventional Radiology, and Plastic Surgery. The numbers of U.S. IMGs who preferred Dermatology, Radiation Oncology, and Vascular Surgery were too low to be shown on this chart.

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Table 2 Summary Statistics
All Specialties Combined

Measure	U.S. IMGs		Non-U.S. IMGs	
	Matched (n=2,159)	Unmatched (n=1,378)	Matched (n=4,196)	Unmatched (n=3,656)
1. Mean number of contiguous ranks	8.8	2.4	6.2	2.5
2. Mean number of distinct specialties ranked	1.3	1.5	1.3	1.4
3. Mean USMLE Step 1 score*	217	215	234	228
4. Mean USMLE Step 2 score	236	228	245	240
5. Mean number of research experiences	2.1	2.9	2.8	3.1
6. Mean number of abstracts, presentations, and publications	4.0	6.0	8.3	7.3
7. Mean number of work experiences	3.5	4.6	4.1	4.3
8. Mean number of volunteer experiences	3.6	3.4	2.8	2.8
9. Percentage who have a Ph.D. degree	0.9	2.6	1.8	2.4
10. Percentage who have another graduate degree	22.2	30.4	19.4	22.0

Source. NRMP Data Warehouse
* Only applicants who indicated completion of the USMLE Step 1 exam prior to the transition to pass/fail (i.e., prior to January 26, 2022) had the option to self-report their Step 1 numeric score. In 2024, 6,845 IMGs (2,248 U.S. IMGs and 4,597 non-U.S. IMGs) self-reported Step 1 numeric scores.

Table 2 provides summary statistics for all specialties by IMG type and Match outcome on the 10 measures presented in this report. Data for table items 3-10 were self-reported by applicants during the Main Residency Match registration process. Data on each of these measures are displayed graphically by preferred specialty on the following pages. Only IMGs who gave consent to use their academic information for use in research are included in this table and the rest of the report. When interpreting data on USMLE Step 1 scores, it is important to note that due to the transition from numeric scores to pass/fail, 6,845 IMGs (2,248 U.S. IMGs and 4,597 non-U.S. IMGs) self-reported their Step 1 numeric score in 2024.

Compared to U.S. IMGs who did not match, those who matched had higher mean numbers of contiguous ranks and USMLE Step 2 scores. U.S. IMGs who did not match had higher mean numbers of abstracts/presentations/publications as well as higher percentages of applicants who have a Ph.D. or other graduate degree.

When looking at non-U.S. IMGs, those who matched had higher mean numbers of contiguous ranks compared to those who did not match. Non-U.S. IMGs who did not match had higher percentages of applicants who have graduated with a graduate degree other than a Ph.D.

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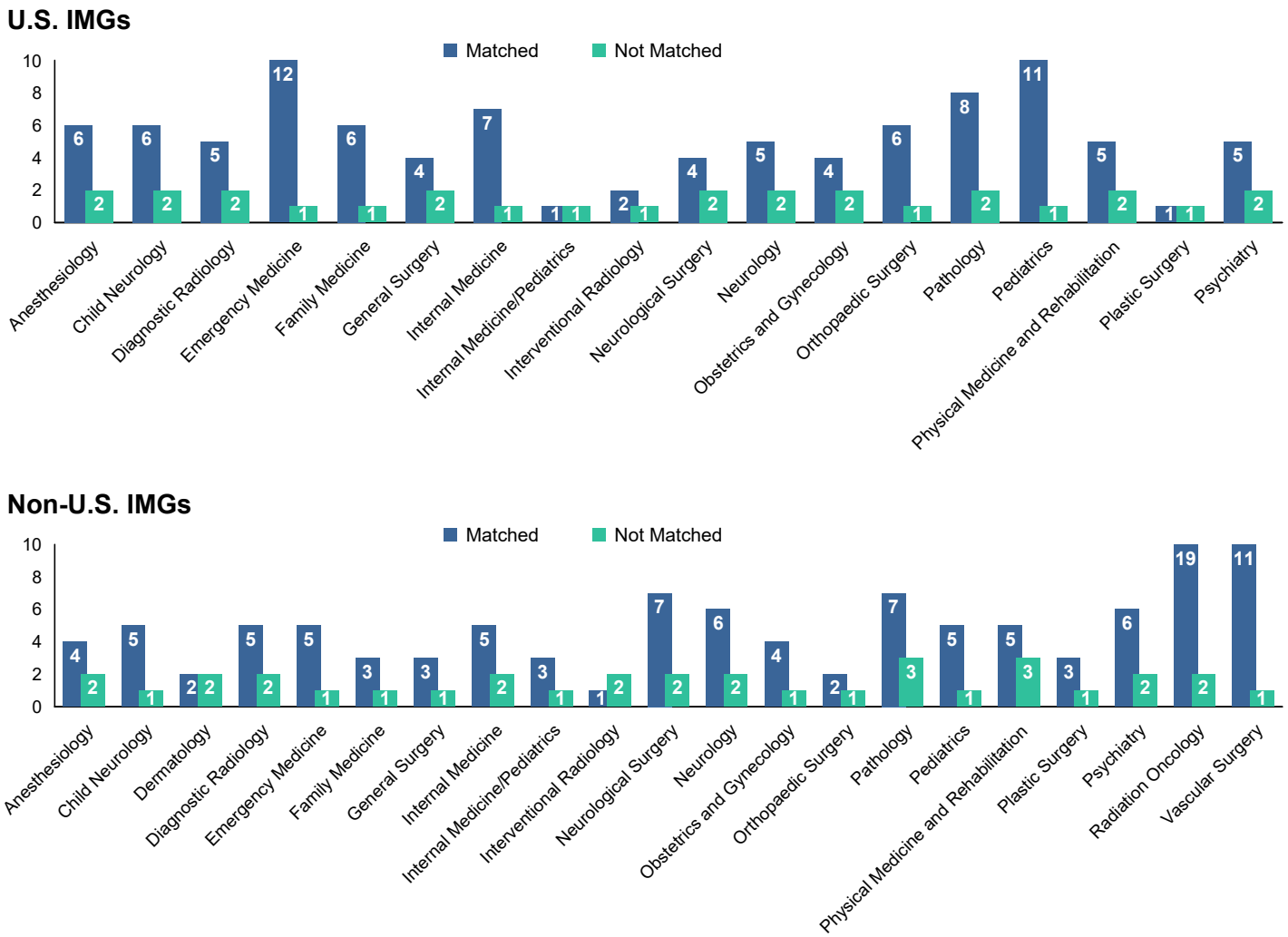
Chart 4

Median Number of Contiguous Ranks of International Medical Graduates

by Preferred Specialty, IMG Applicant Type, and Match Status



Source: NRMP Data Warehouse

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

Chart 4 displays the median number of contiguous ranks by preferred specialty for U.S. 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 except Internal Medicine/Pediatrics and Plastic Surgery, 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, exceptions being Dermatology and Interventional Radiology, 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 is that applicants with longer rank order lists are more successful than those with shorter rank order lists.

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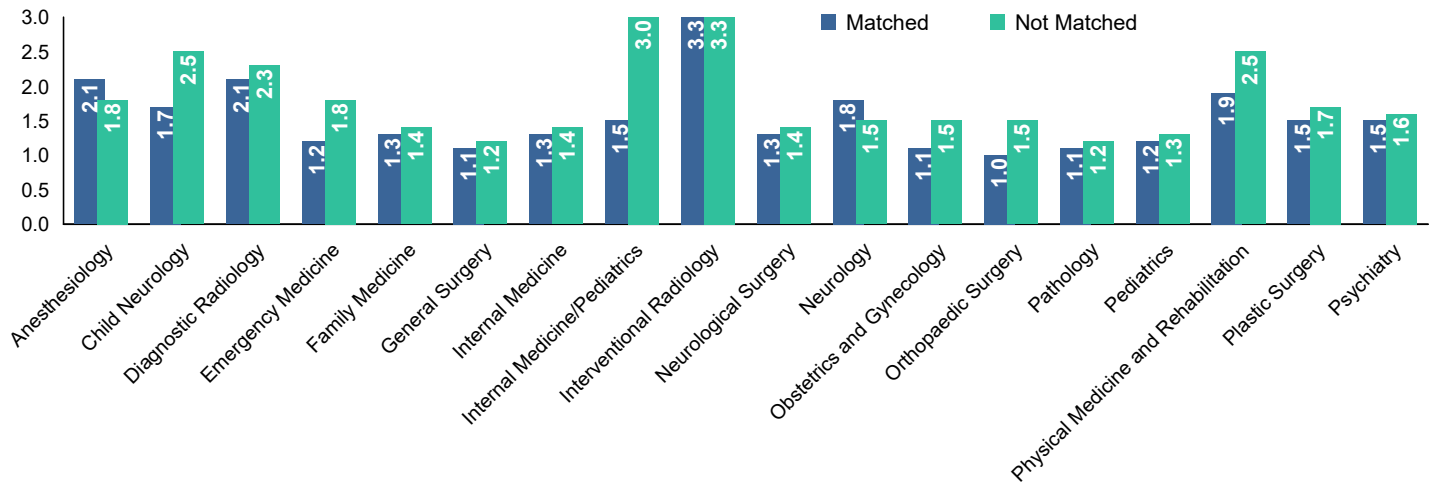
Chart 5

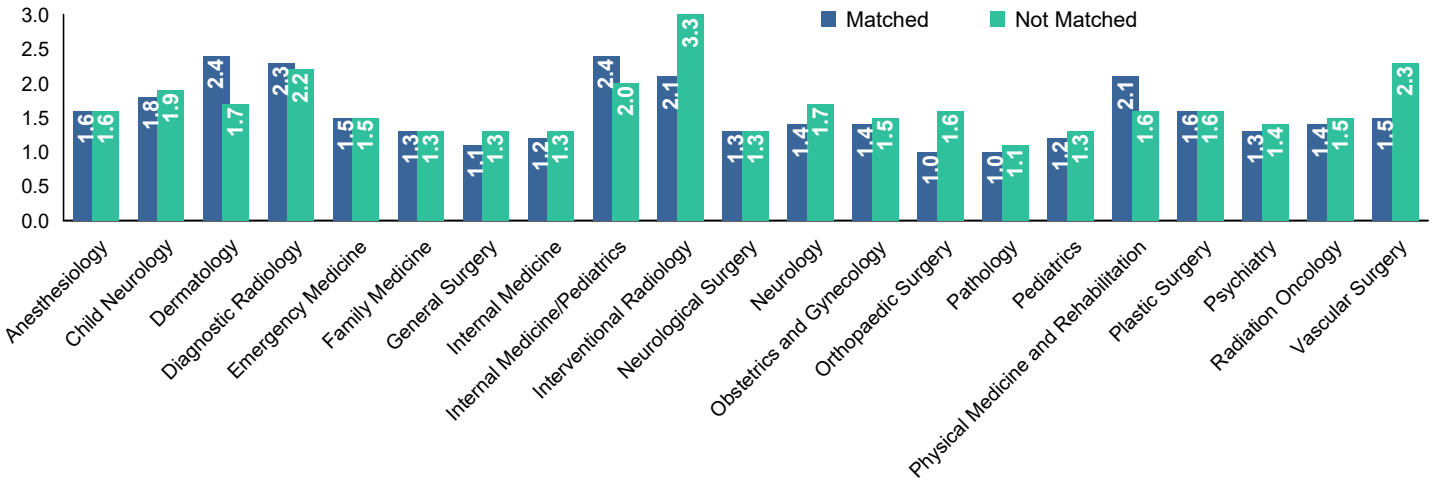
Mean Number of Different Specialties Ranked by International Medical Graduates

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: Child Neurology, Internal Medicine/Pediatrics, and Physical Medicine and Rehabilitation for U.S. IMGs, and Child Neurology, Orthopaedic Surgery and Dermatology, Interventional Radiology, and Vascular Surgery for non-U.S. IMGs.

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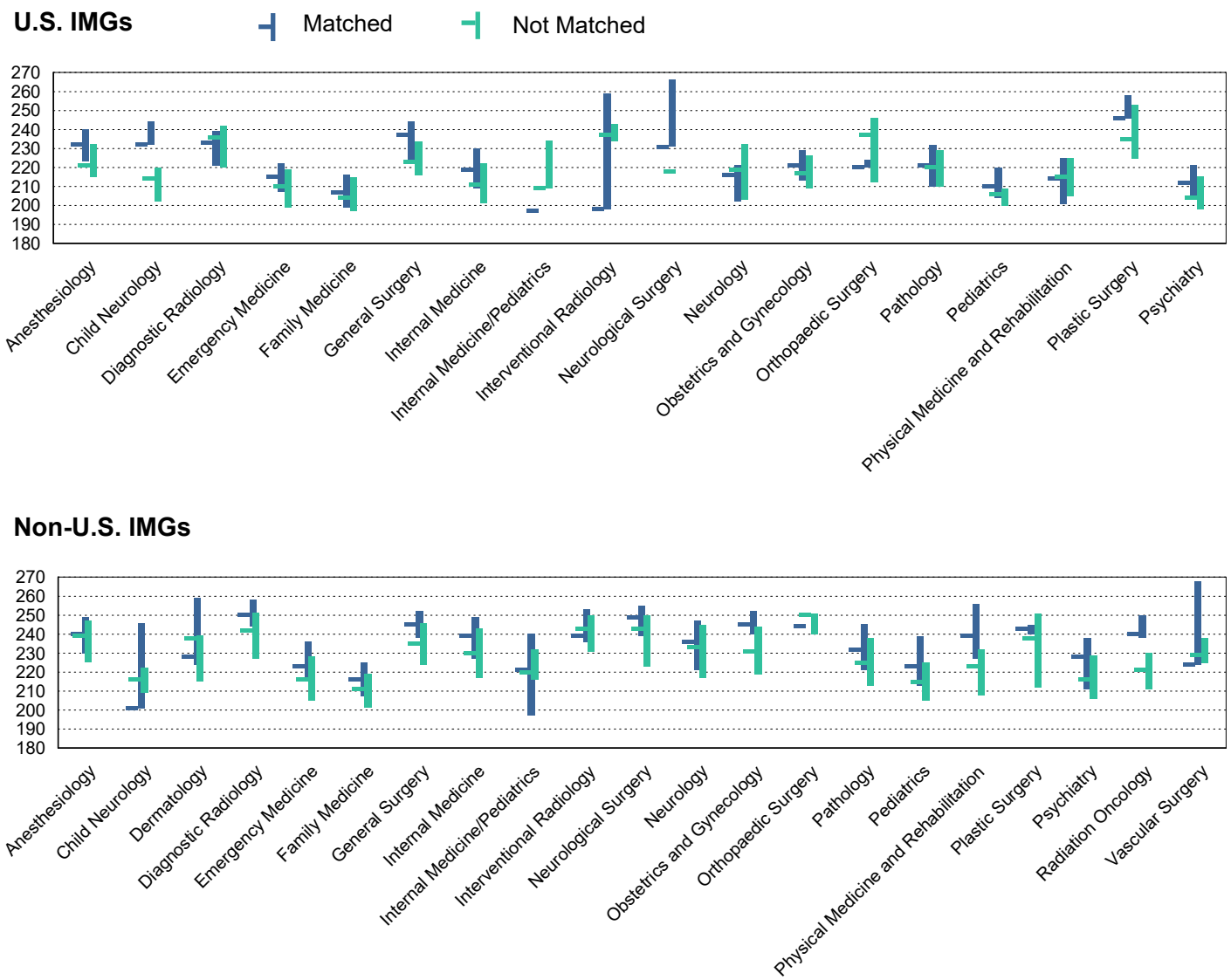
Chart 6 USMLE Step 1 Scores of International Medical Graduates
by Preferred Specialty, Match Status, and IMG Applicant Type



Source: NRMP Data Warehouse

The USMLE Step 1 exam aims to measure a student's understanding of important basic science concepts and the ability to apply that knowledge to the practice of medicine. USMLE Step 1 exams taken prior to January 26, 2022 produced a numeric score. From this date forward, Step 1 exam results transitioned to pass/fail, resulting in numeric score information not being available to applicants nor programs. In 2024, 6,845 IMGs (2,248 U.S. IMGs and 4,597 non-U.S. IMGs) self-reported Step 1 scores from exams taken prior to the transition. The results presented in Chart 6 and below should be interpreted with this in mind.

Overall, matched U.S. IMGs who matched to their preferred specialty had *mean* USMLE Step 1 scores of 216.6 (s.d. = 15.4) and matched non-U.S. IMGs had *mean* USMLE Step 1 scores of 233.8 (s.d. = 17.5). Chart 6 displays the Step 1 scores by preferred specialty for matched and unmatched U.S. IMGs (top panel) and non-U.S. IMGs (bottom panel). The horizontal bars are the *median* values and the vertical lines show the interquartile ranges (IQR, the range of scores for applicants excluding the top and bottom quarters of the distribution). Specialties with too few data points lack the vertical bar. Across 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.

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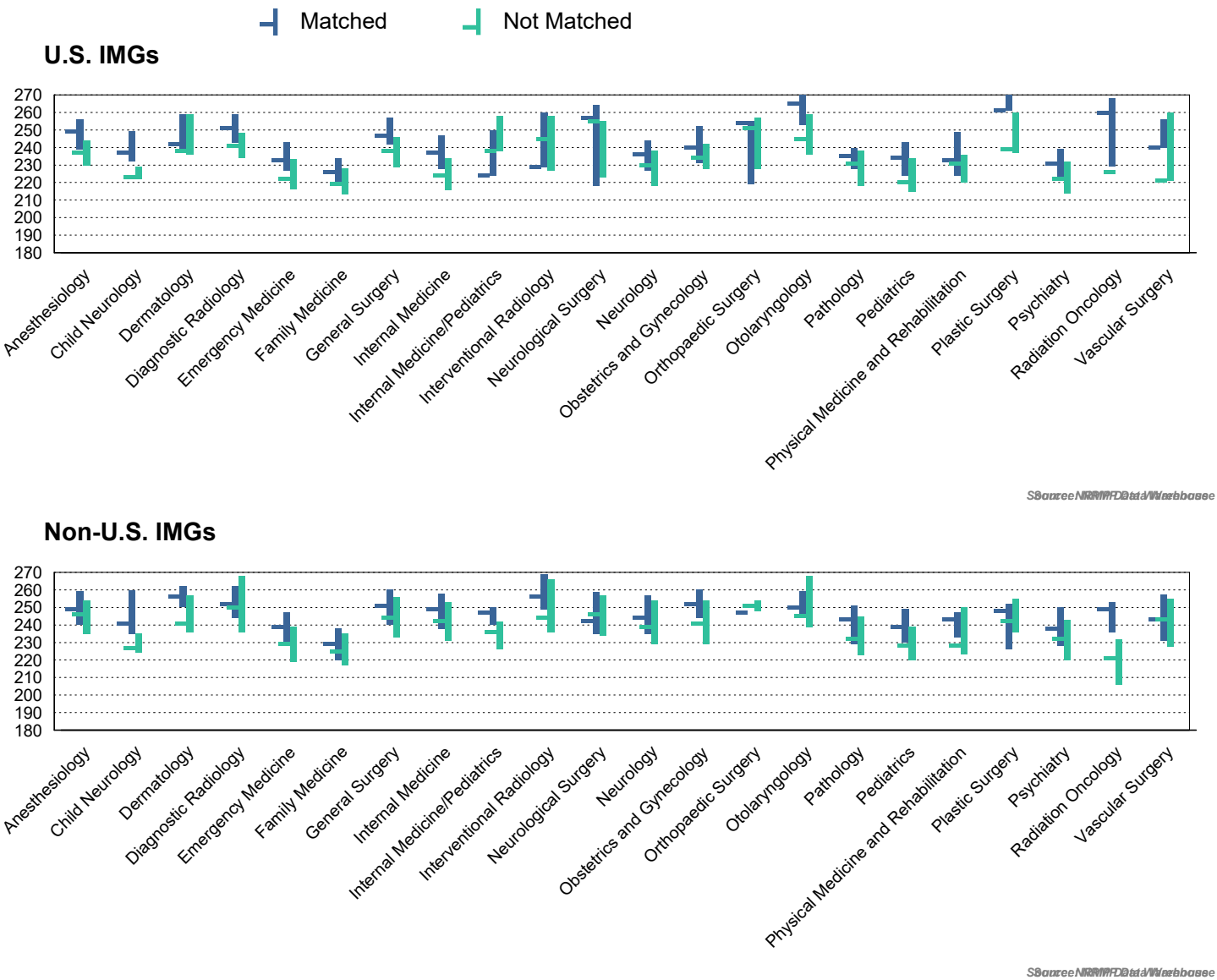
Chart 7 USMLE Step 2 CK Scores of International Medical Graduates
by Preferred Specialty, Match Status, and IMG Applicant Type



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 235.6 (s.d. = 14.2) and matched non-U.S. IMGs had *mean* USMLE Step 2 scores of 244.8 (s.d. = 15.4), both well above the 2024 minimum passing score of 214. Step 2 scores were available for 91.1 percent of U.S. IMGs and 97.2 percent of non-U.S. IMGs who gave consented to provide this information.

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.

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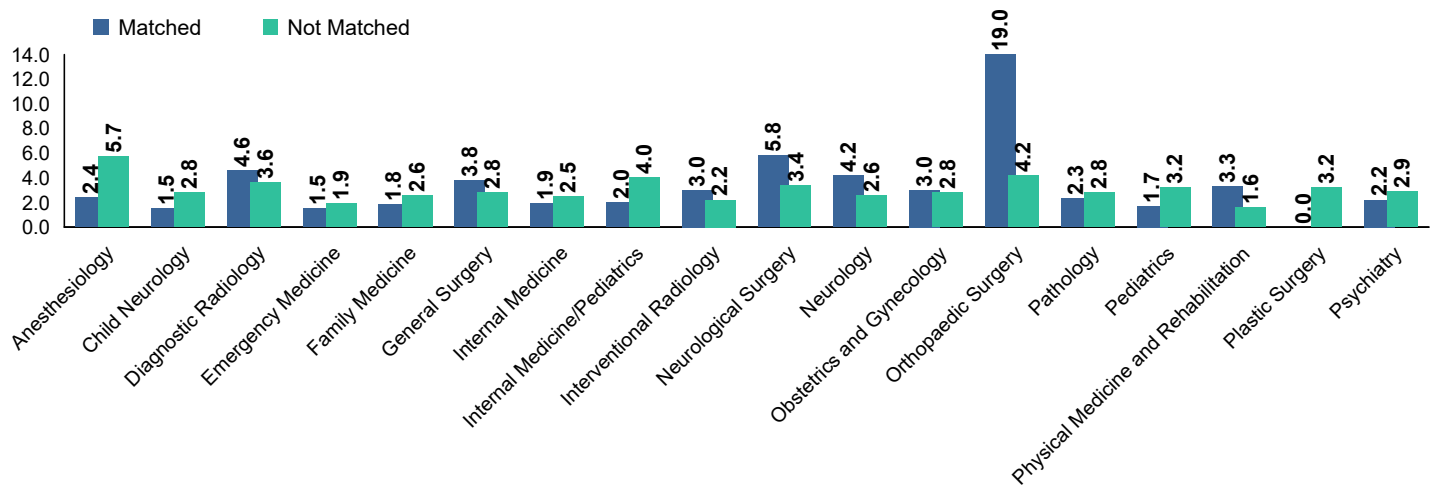
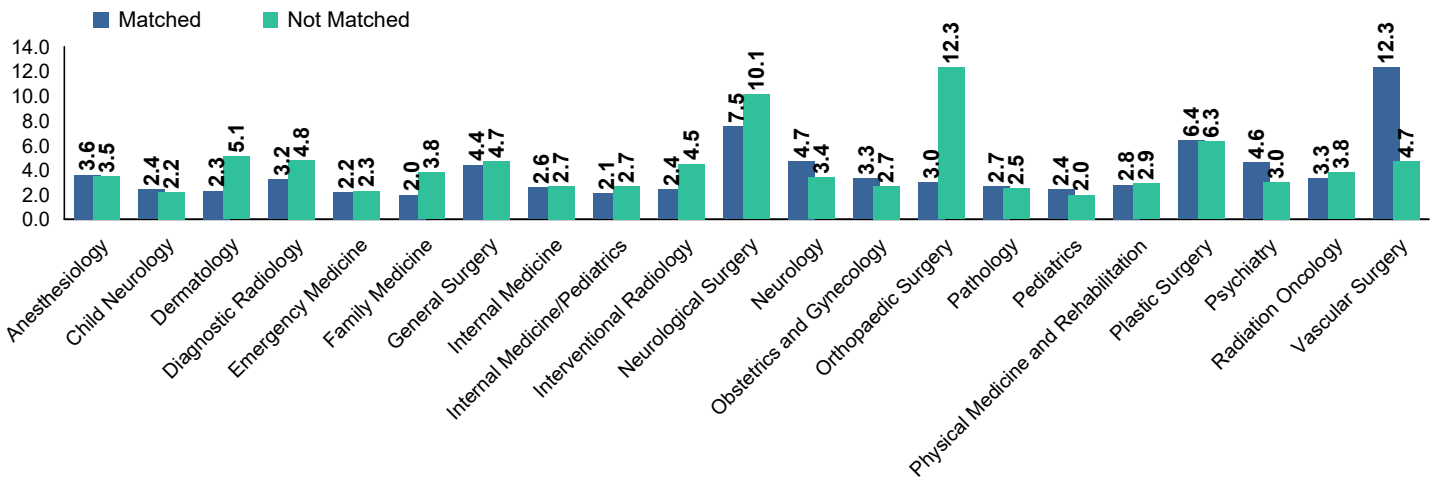
Chart 8 Mean Number of Research Experiences of International Medical Graduates

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 applications. The experiences are not verified or evaluated and quality may vary greatly. Chart 8 shows the average number of research experiences by IMG applicant type, preferred specialty, and Match outcome. U.S. IMGs averaged 2.4 research experiences, with 64.7 percent reporting at least one research experience. Non-U.S. IMGs averaged 2.9 research experiences, with 76.4 percent reporting at least one research experience. Among both U.S. and non-U.S. IMGs, whether those who were matched reported greater numbers of research experiences compared to their unmatched counterparts varied widely by preferred specialty, with unmatched applicants exceeding matched applicants in more than half of the specialties reported.

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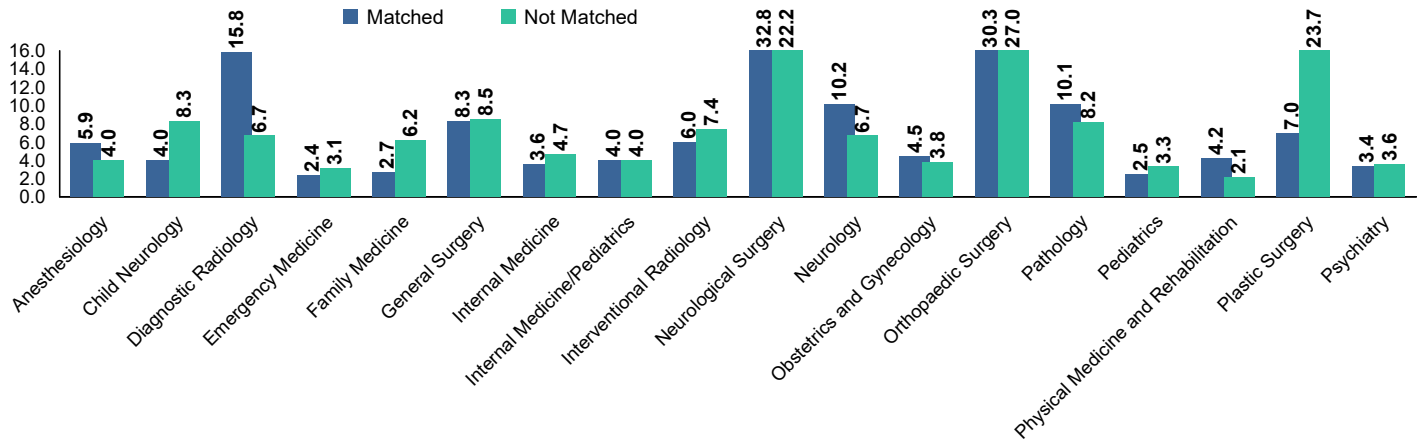
Chart 9

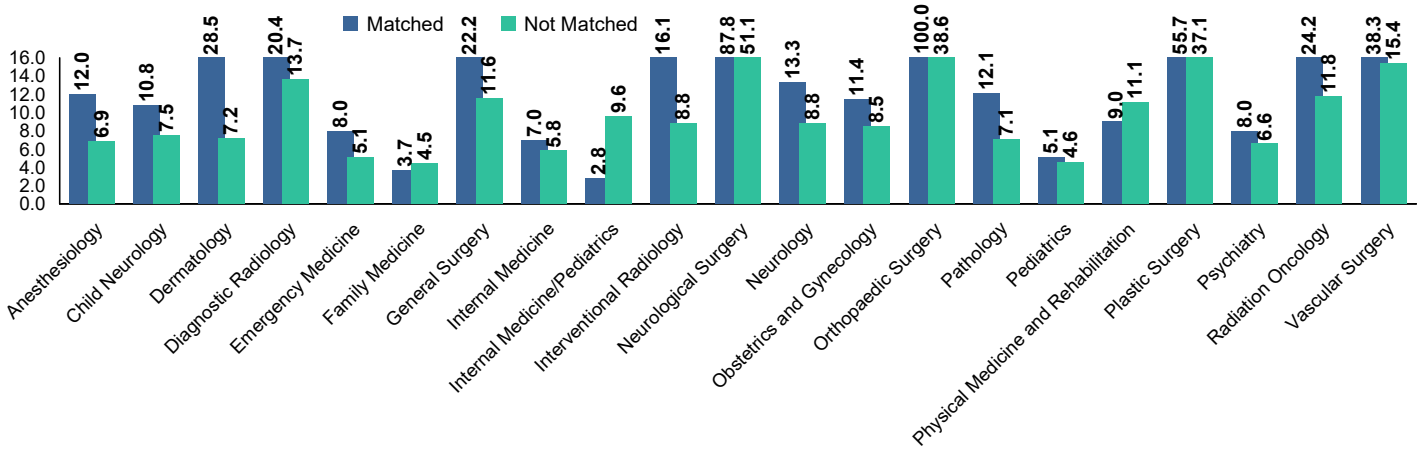
Mean Number of Abstracts, Presentations, and Publications of International Medical Graduates

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 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.

61.7 percent of U.S. IMGs reported at least one publication, compared to 79.8 percent of non-U.S. IMGs. The average number of publications was 4.7 for U.S. IMGs and 7.9 for non-U.S. IMGs. Large numbers of publications can be found in surgical specialties such as Neurological Surgery, Orthopaedic Surgery, Plastic Surgery, and Vascular Surgery. The sample sizes for those specialties are generally small for IMGs. In those specialties, matched IMGs generally had more publications than IMGs who did not match in their preferred specialty. In other specialties, however, there is no distinctive pattern in either applicant group.

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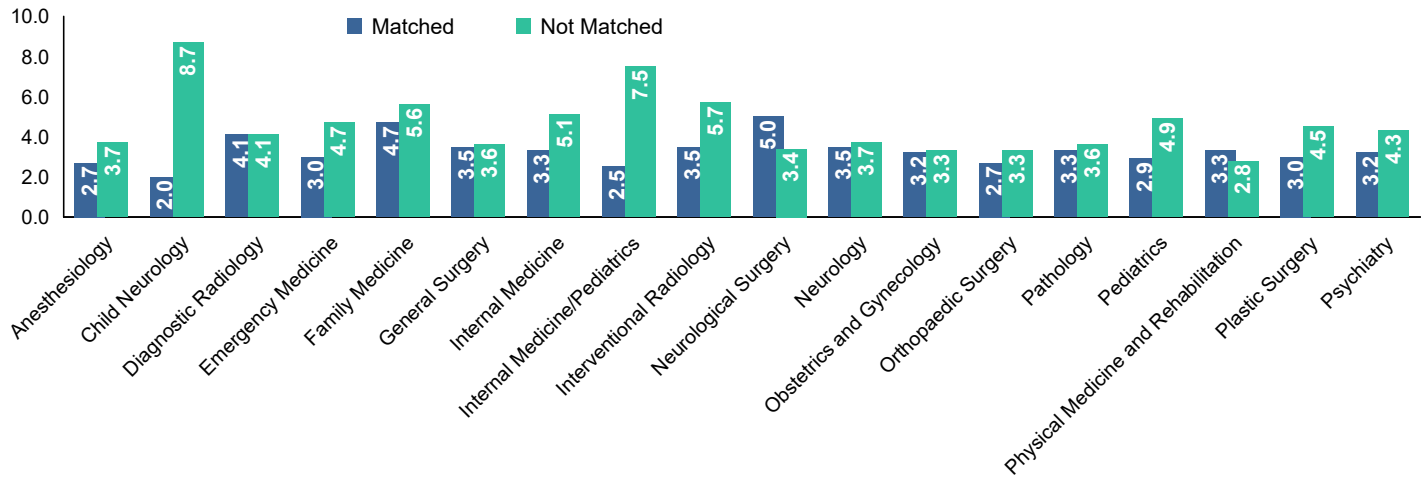
Chart 10

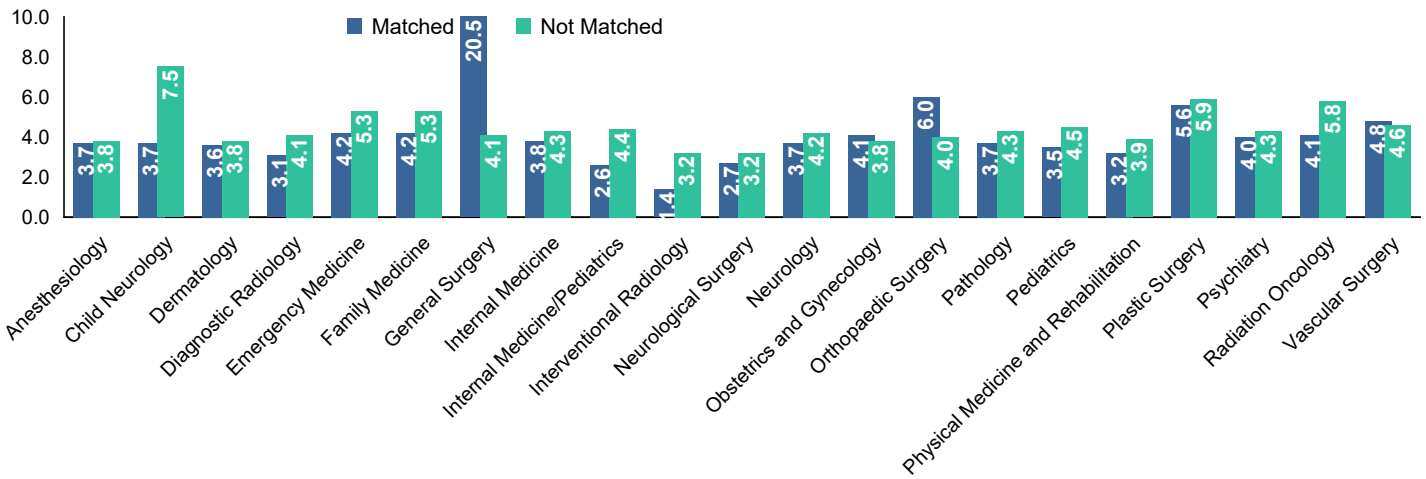
Mean Number of Work Experiences of International Medical Graduates

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 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 (4.2 compared to 4.0). A larger percentage of non-U.S. IMGs reported at least one work experience (87.6% compared to 80.7% for U.S. IMGs).

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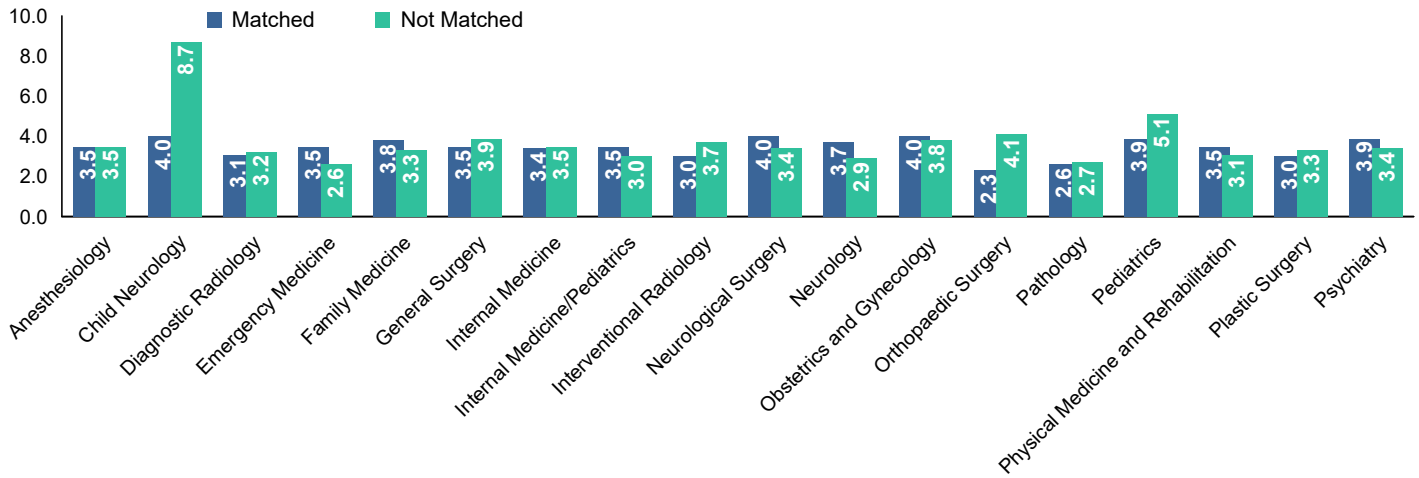
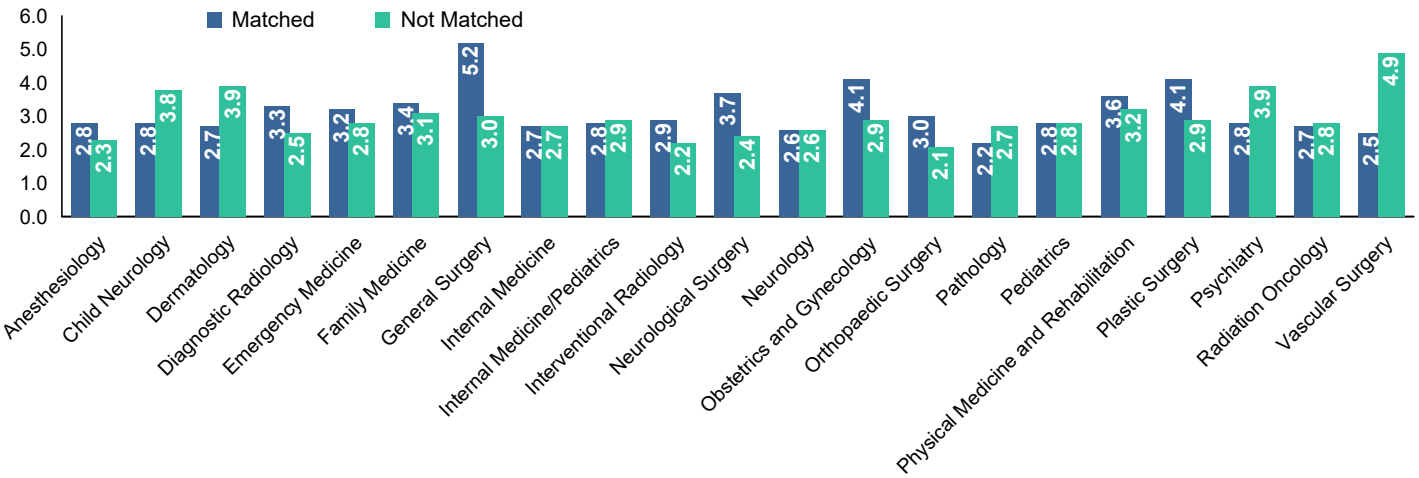
Chart 11 Mean Number of Volunteer Experiences of International Medical Graduates

U.S. IMGs



Non-U.S. IMGs



Source: NRMP Data Warehouse

Applicants were asked to list the number of volunteer experiences they reported in their applications. Chart 11 displays the average number of volunteer experiences by IMG applicant type, preferred specialty, and Match outcome. In most specialties, both matched and unmatched applicants had similar average numbers of volunteer experiences. Overall, U.S. IMGs averaged 3.5 volunteer experiences and non-U.S. IMGs averaged 2.8 volunteer experiences. At least one volunteer experience was reported by 81.1 percent of U.S. IMGs and 86.9 percent of non-U.S. IMGs.

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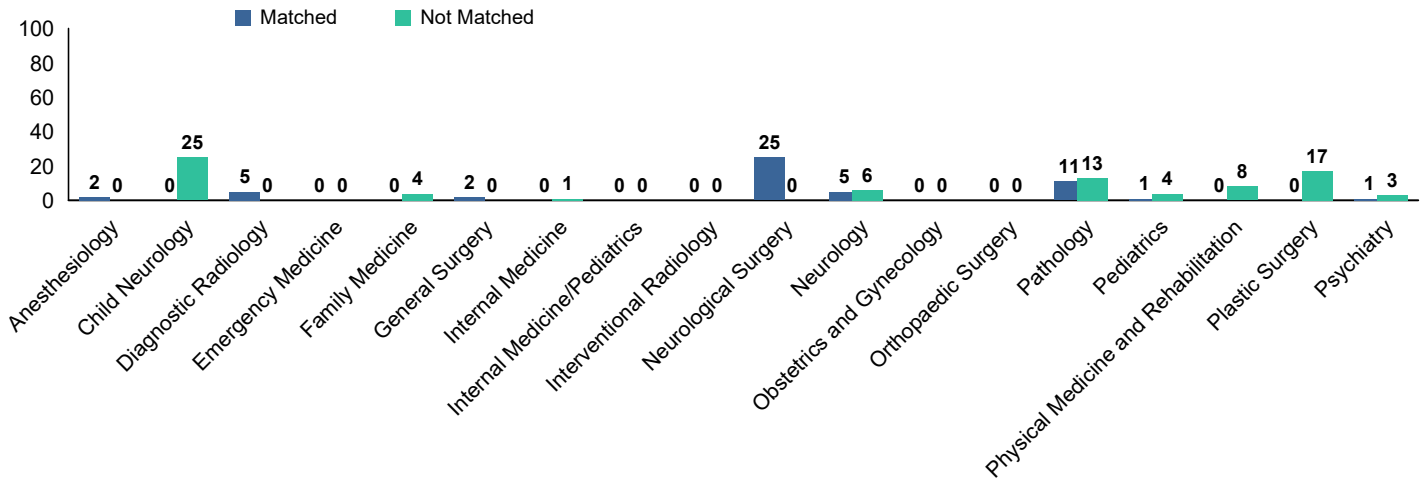
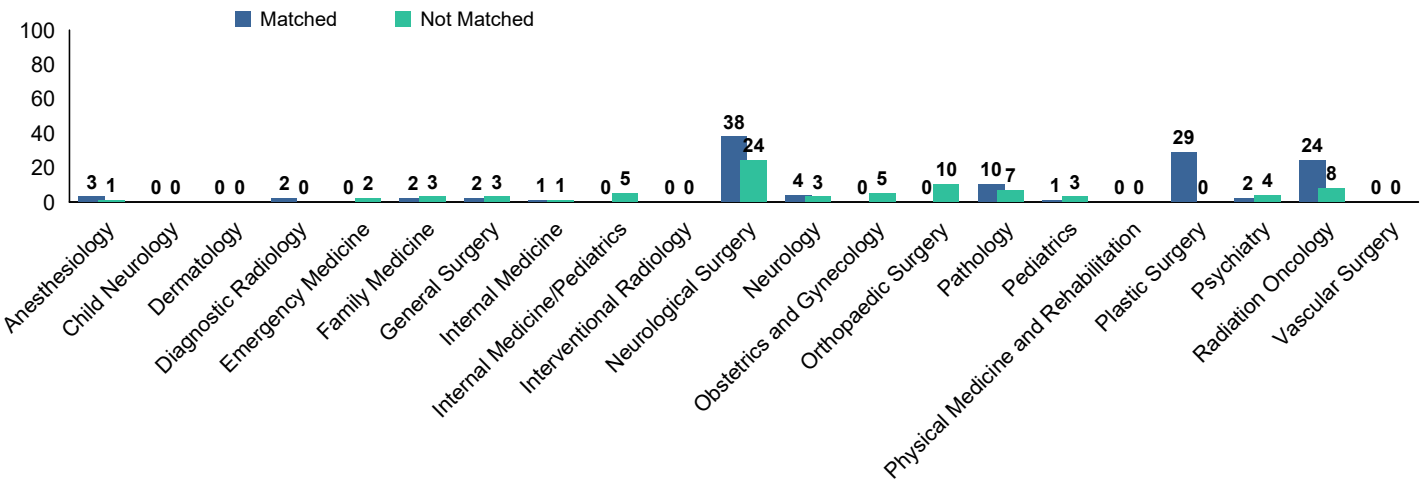
Chart 12 Percentage of International Medical Graduates Who Have a Ph.D. Degree *by Preferred Specialty, Match Status, and IMG Applicant Type*

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 (2.0) reported Ph.D. degrees than U.S. IMGs (1.4%) 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.

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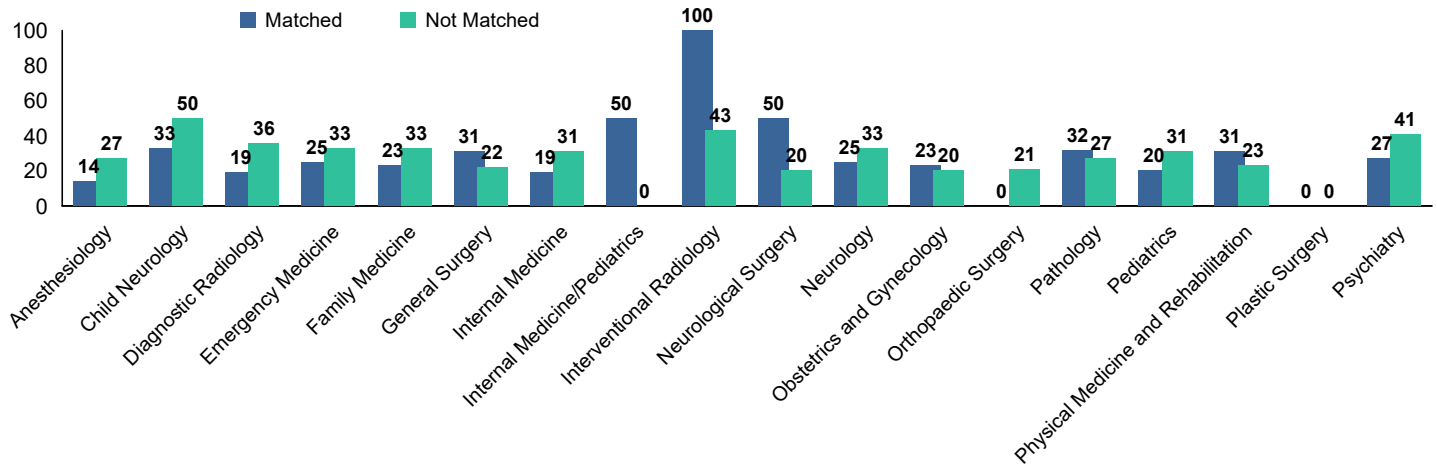
Chart 13

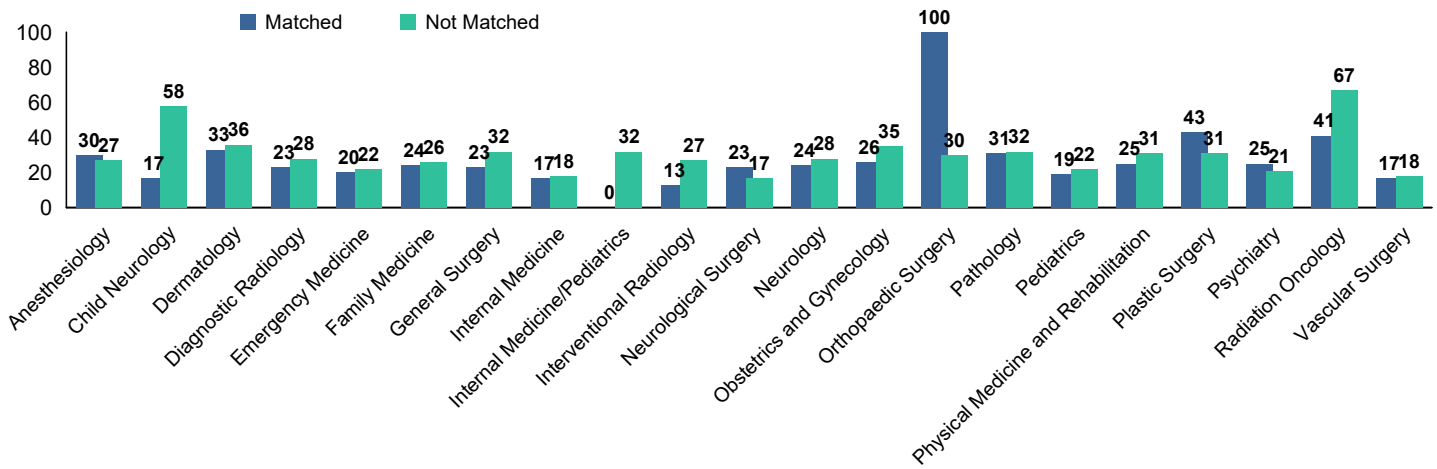
Percentage of International Medical Graduates Who Have Another Graduate Degree

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

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Table AN-1 Summary Statistics
Anesthesiology

Measure	U.S. IMGs		Non-U.S. IMGs	
	Matched (n=68)	Unmatched (n=70)	Matched (n=77)	Unmatched (n=94)
1. Mean number of contiguous ranks	7.2	3.0	5.1	2.5
2. Mean number of distinct specialties ranked	2.1	1.8	1.6	1.6
3. Mean USMLE Step 1 score*	232	224	239	235
4. Mean USMLE Step 2 score	248	237	248	245
5. Mean number of research experiences	2.4	5.7	3.6	3.5
6. Mean number of abstracts, presentations, and publications	5.9	4.0	12.0	6.9
7. Mean number of work experiences	2.7	3.7	3.7	3.8
8. Mean number of volunteer experiences	3.5	3.5	2.8	2.3
9. Percentage who have a Ph.D. degree	1.5	0.0	2.6	1.1
10. Percentage who have another graduate degree	13.6	26.6	30.3	26.7

Note: * Only applicants who gave consent to use their information in research are included.
*Only applicants who indicated completion of the USMLE Step 1 exam prior to the transition to pass/fail (i.e., prior to January 26, 2022) had the option to self-report their Step 1 numeric score. In 2024, 6,845 IMGs (2,248 U.S. IMGs and 4,597 non-U.S. IMGs) self-reported Step 1 numeric scores.
Source. NRMP Data Warehouse

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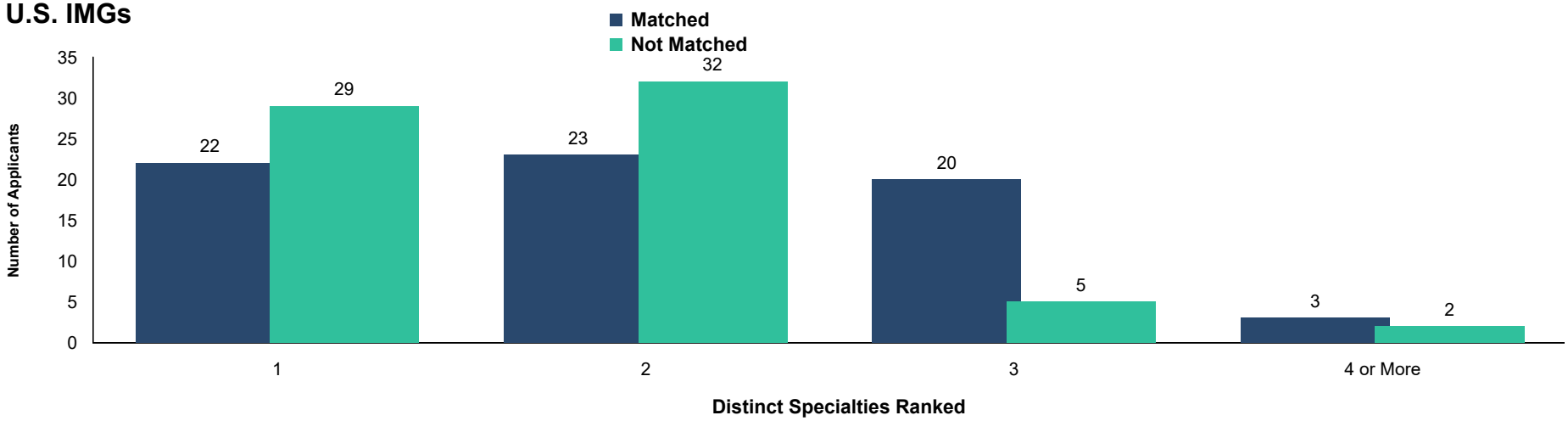
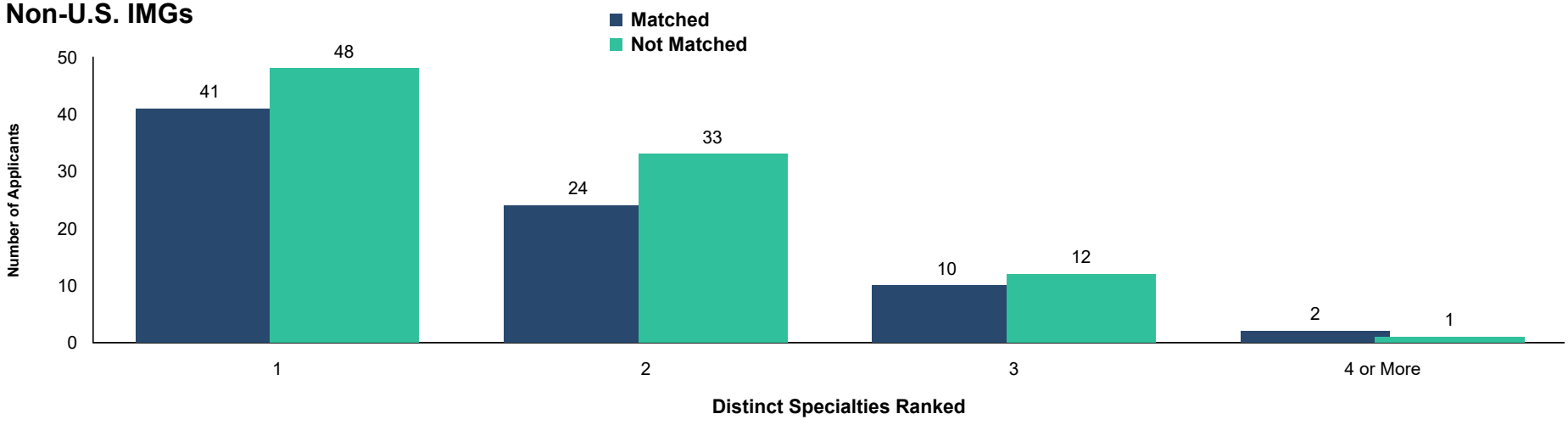
Chart AN-1 Number of Distinct Specialties Ranked by International Medical Graduates Anesthesiology

U.S. IMGs



Non-U.S. IMGs



Source: NRMP Data Warehouse

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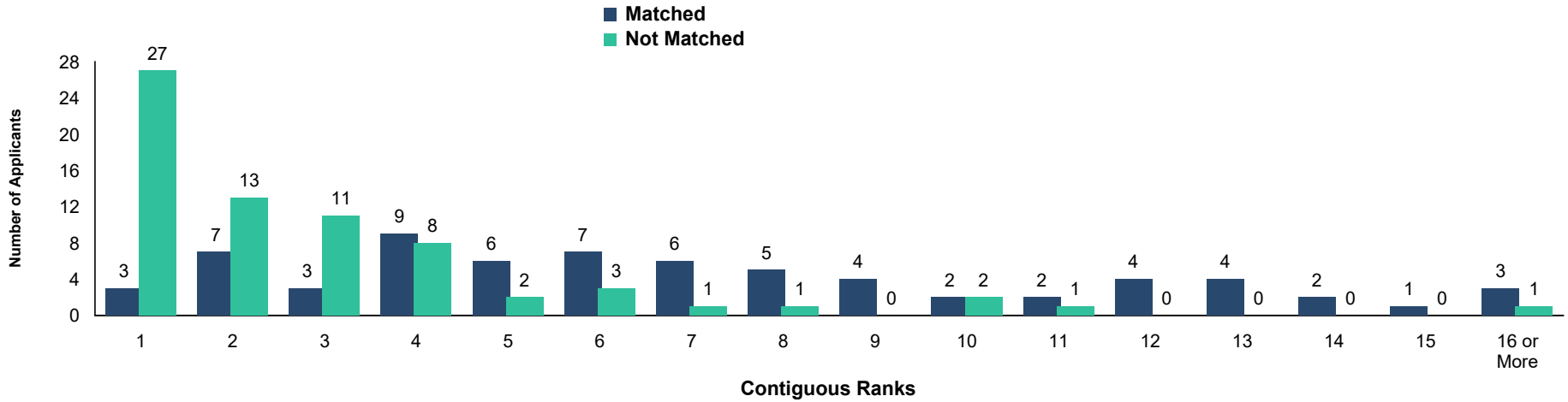
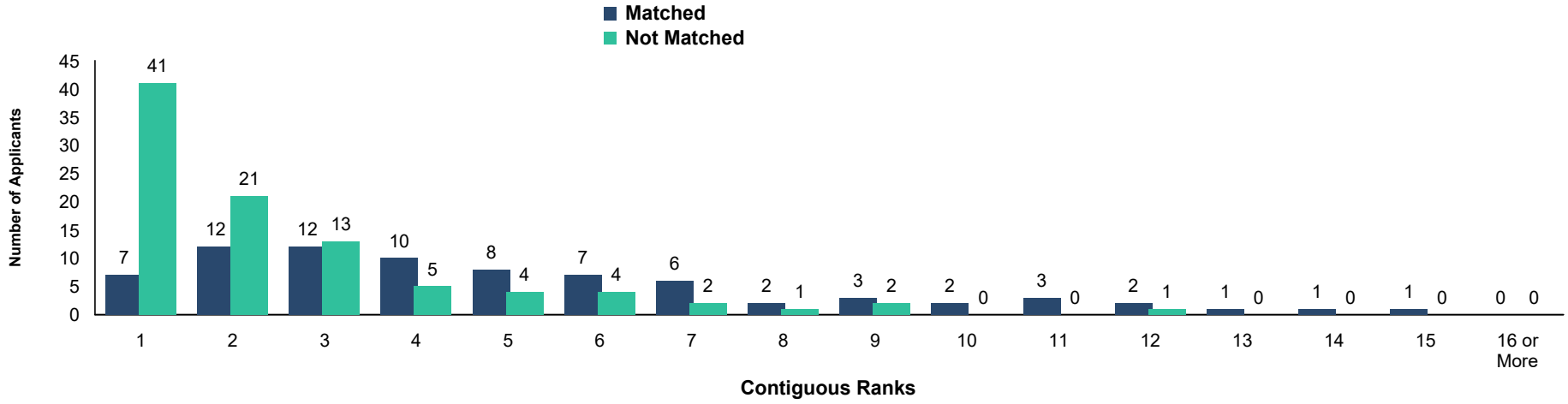
Chart AN-2 Number of Contiguous Ranks of International Medical Graduates Anesthesiology

U.S. IMGs



Non-U.S. IMGs



Source: NRMP Data Warehouse

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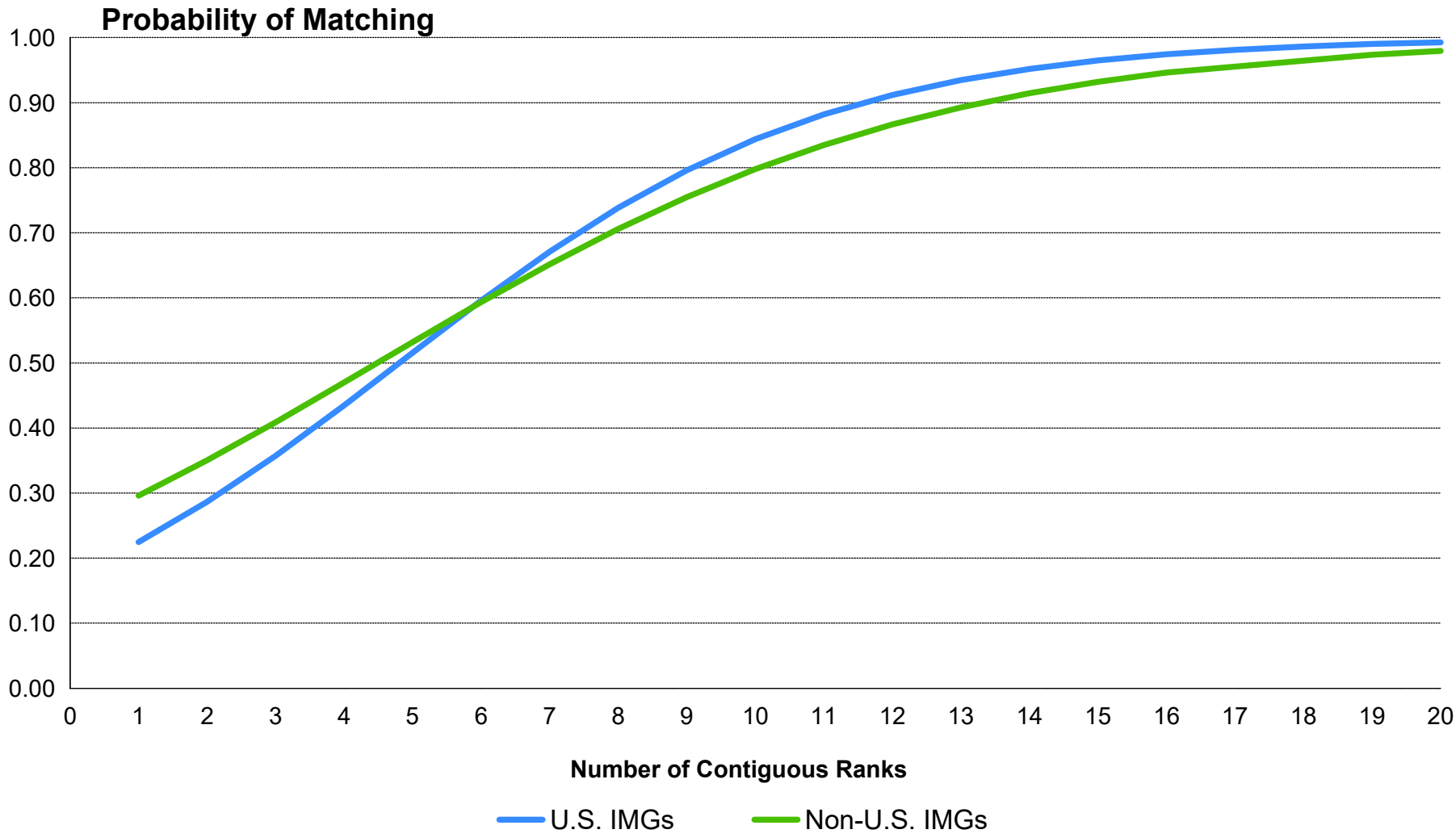
Graph AN-1

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

Anesthesiology



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

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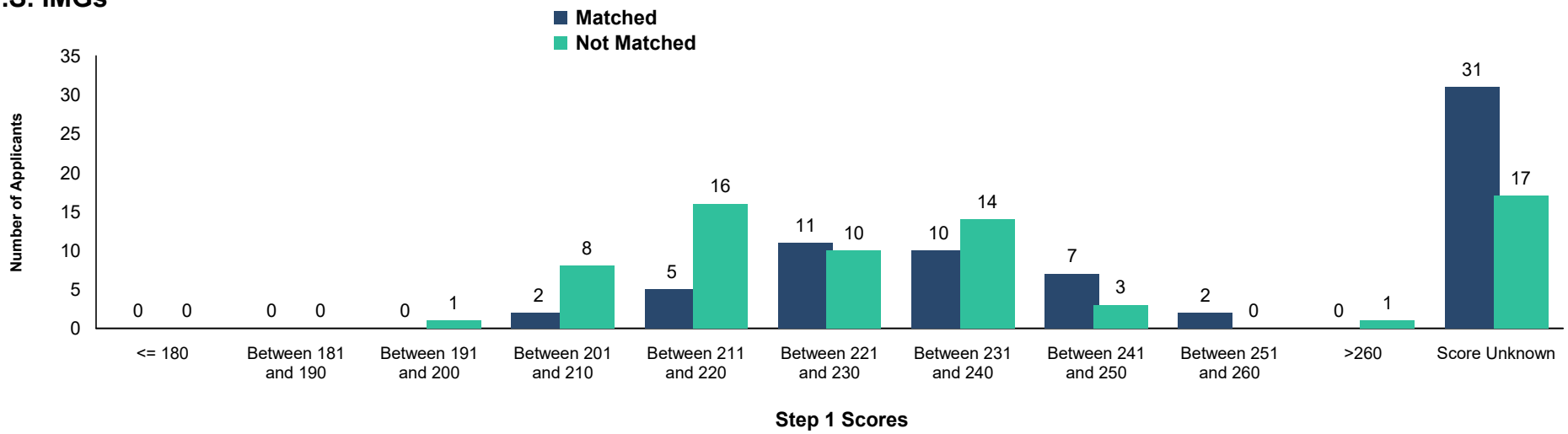
Chart AN-3

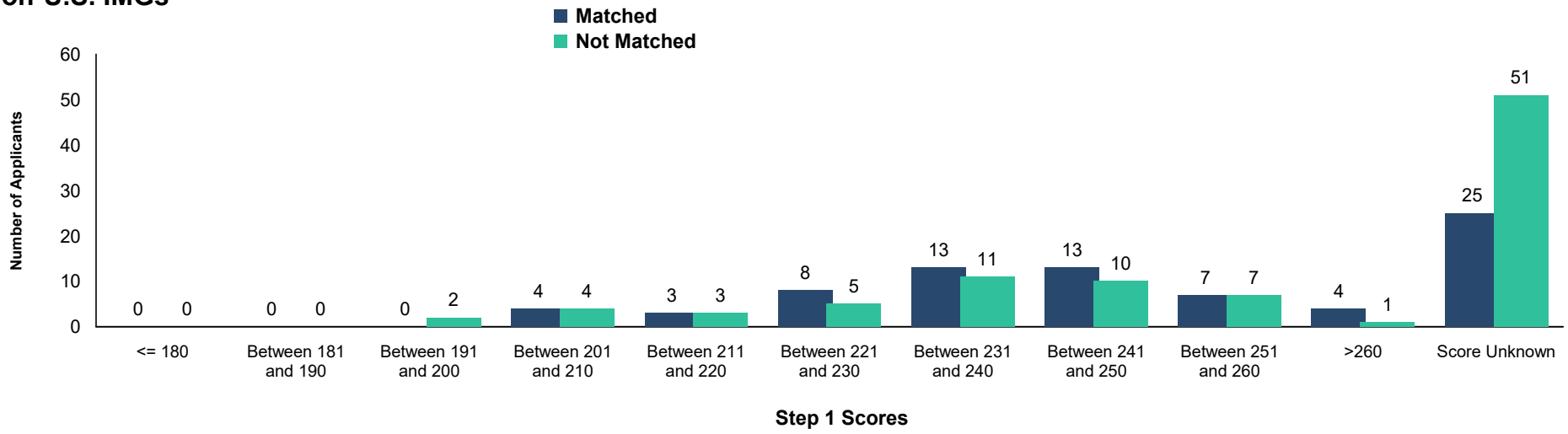
USMLE Step 1 Scores of International Medical Graduates

Anesthesiology

U.S. IMGs



Non-U.S. IMGs



Source: NRMP Data Warehouse

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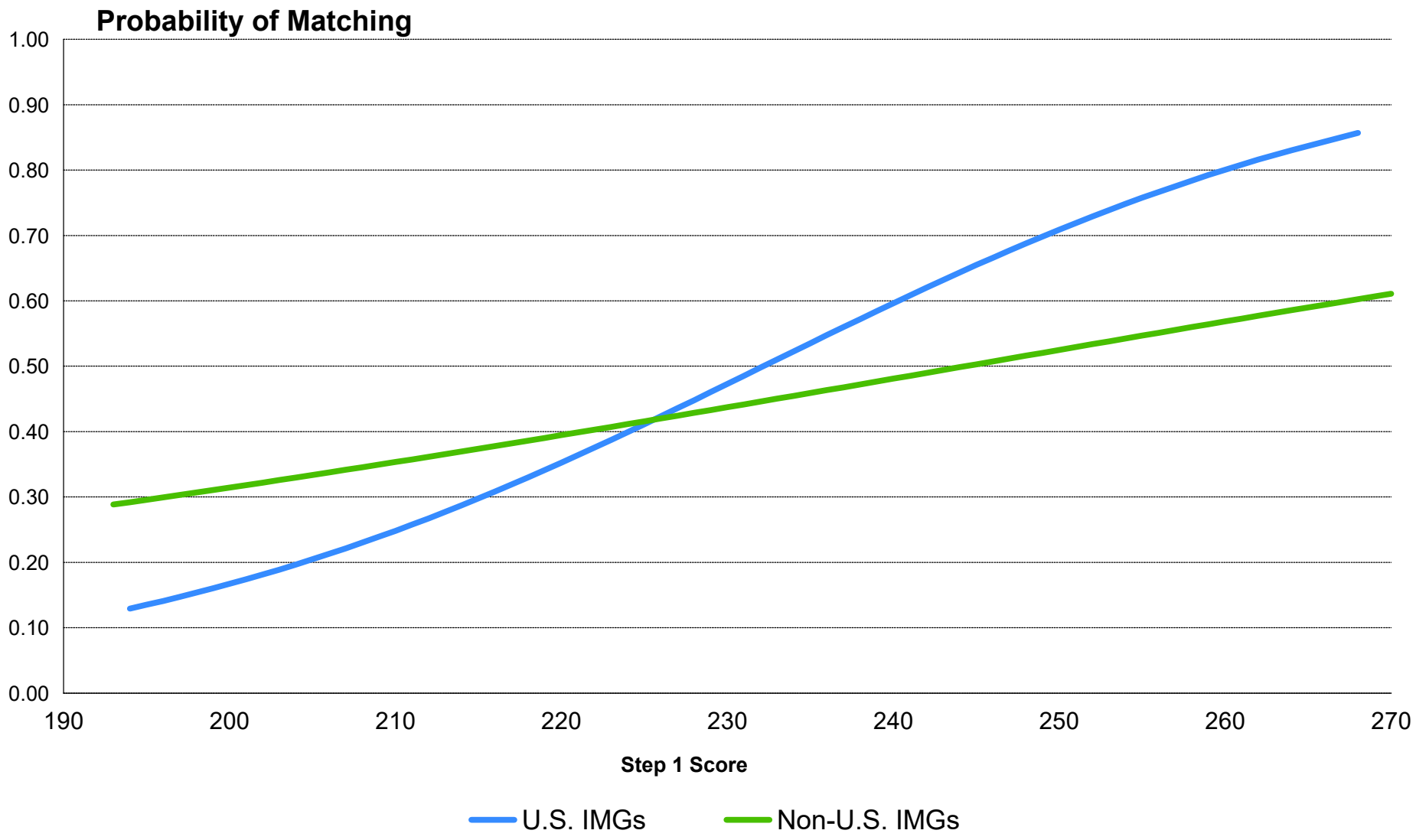
Graph AN-2

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

Anesthesiology



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

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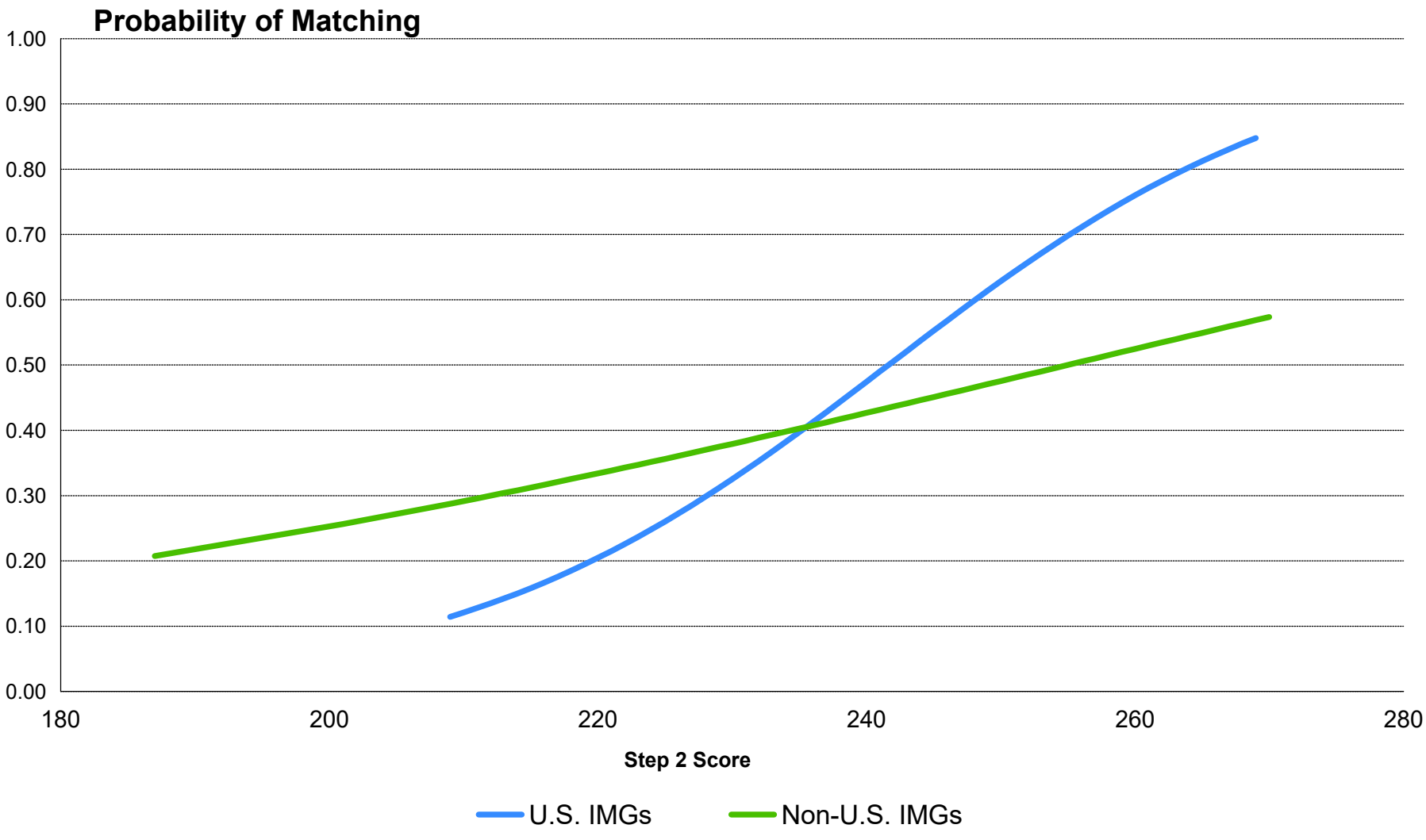
Graph AN-3

Probability of International Medical Graduates Matching to Preferred Specialty by USMLE Step 2 Score

Anesthesiology



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

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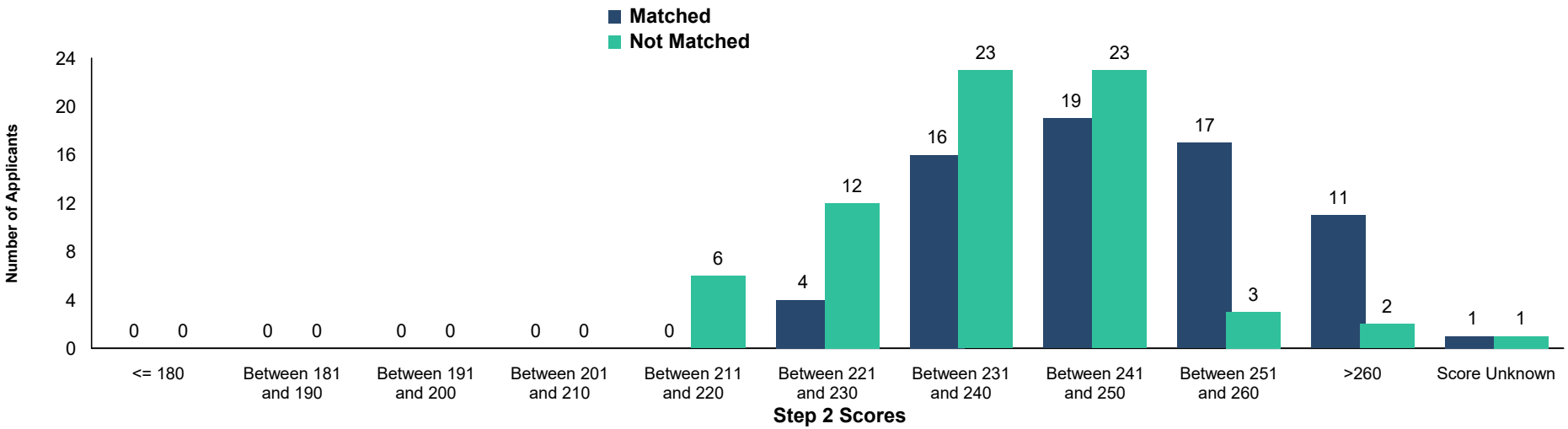
Chart AN-4

USMLE Step 2 CK Scores of International Medical Graduates

Anesthesiology

U.S. IMGs



Non-U.S. IMGs

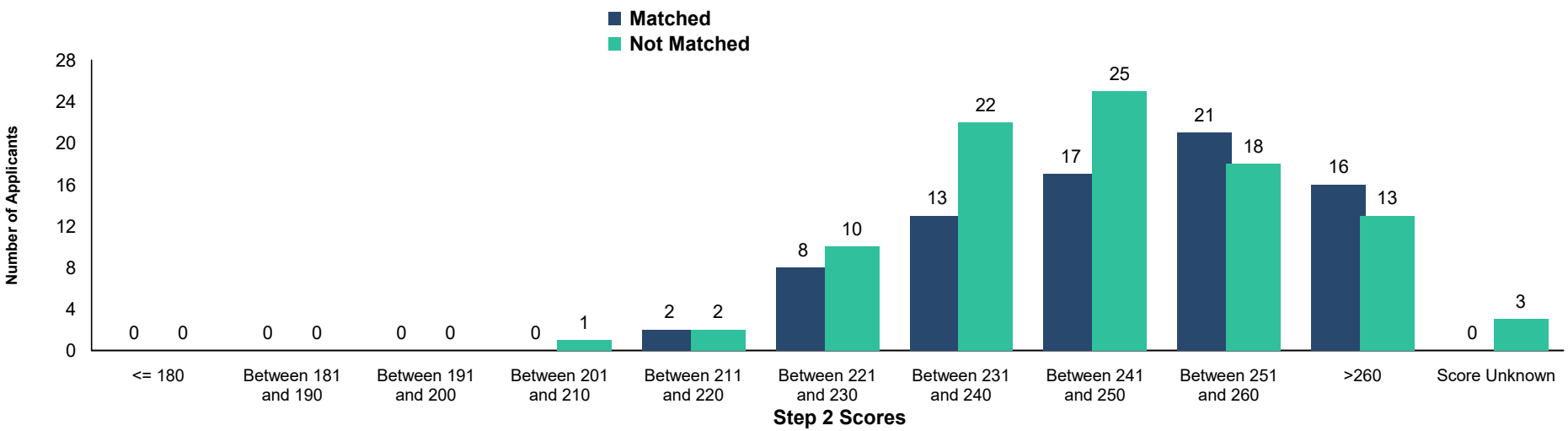


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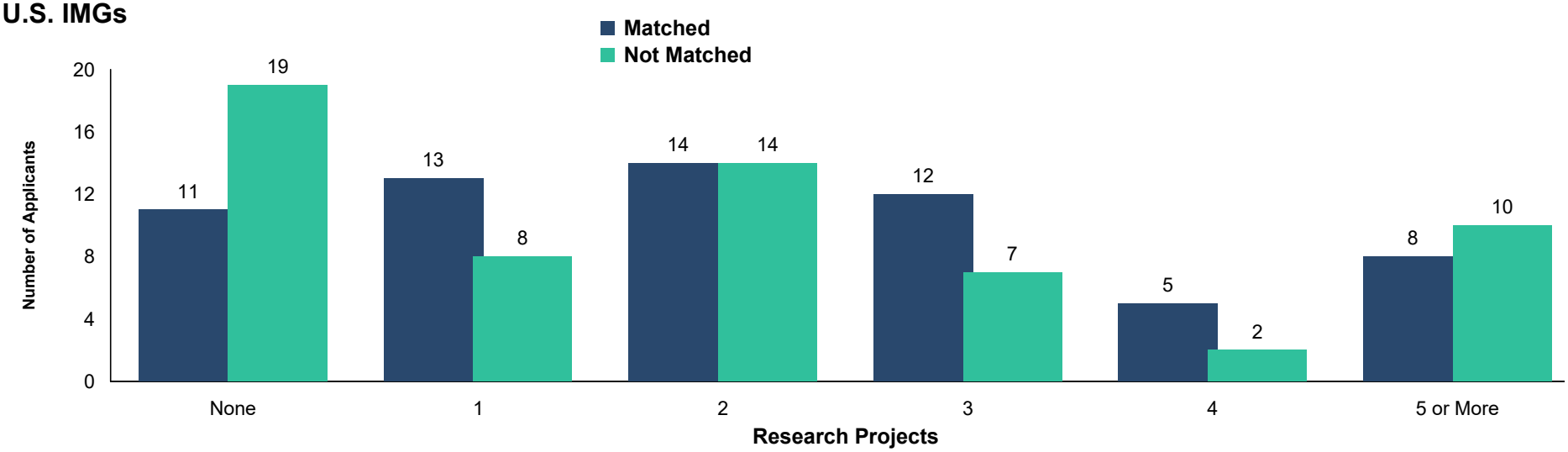
Chart AN-5

Number of Research Projects of International Medical Graduates

Anesthesiology

U.S. IMGs



Non-U.S. IMGs

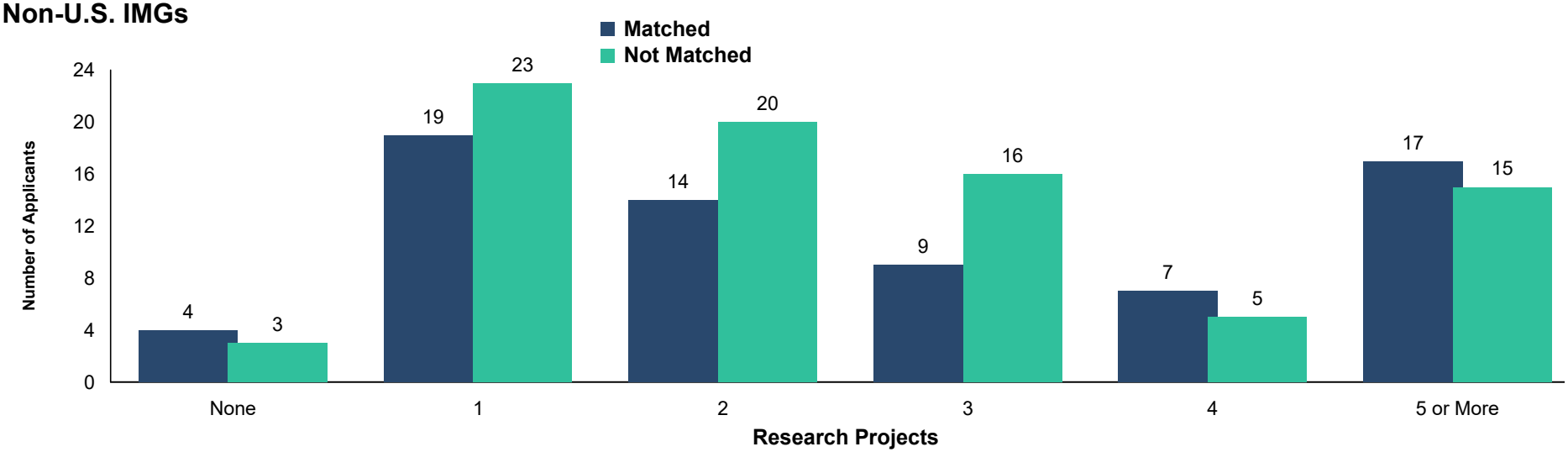


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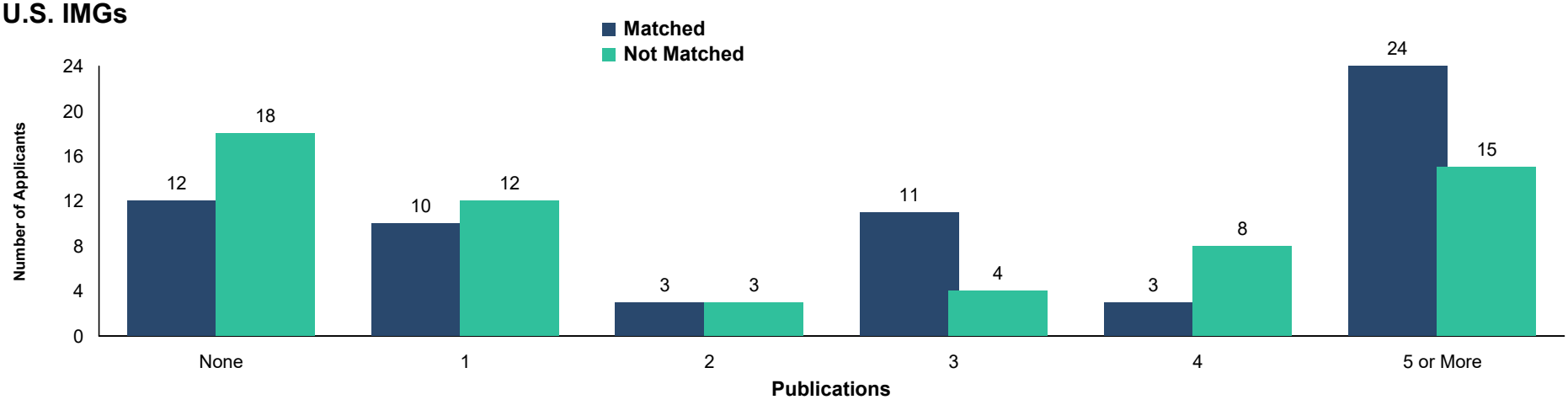
Chart AN-6

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

Anesthesiology

U.S. IMGs



Non-U.S. IMGs

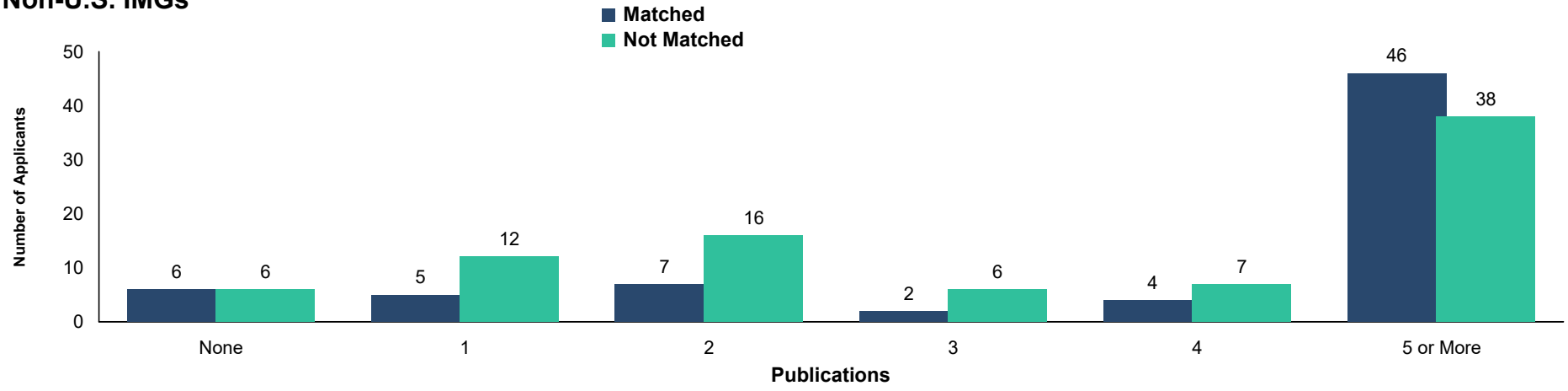


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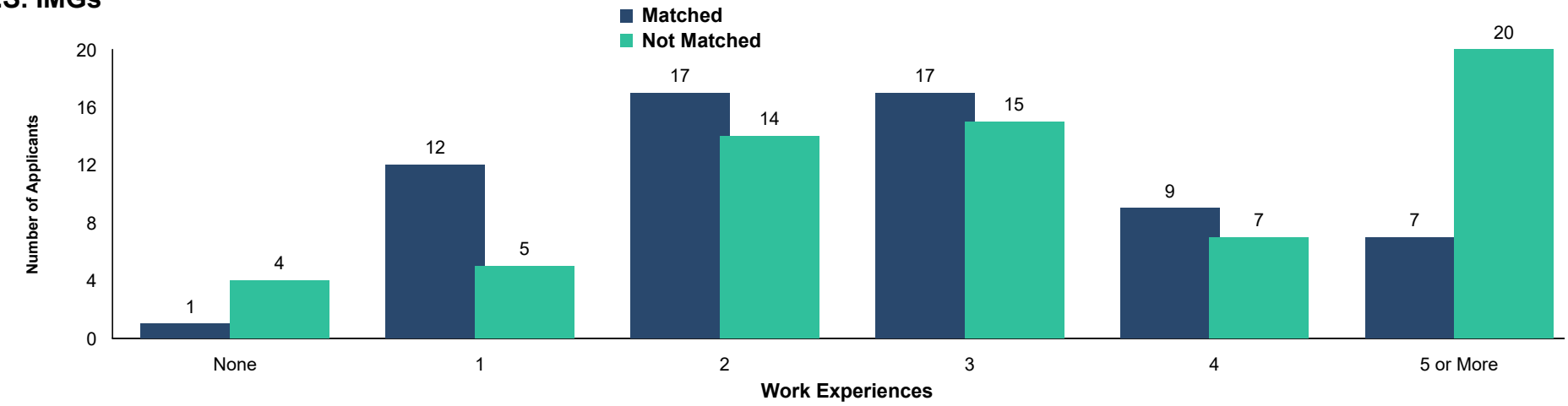
Chart AN-7

Number of Work Experiences of International Medical Graduates

Anesthesiology

U.S. IMGs



Non-U.S. IMGs

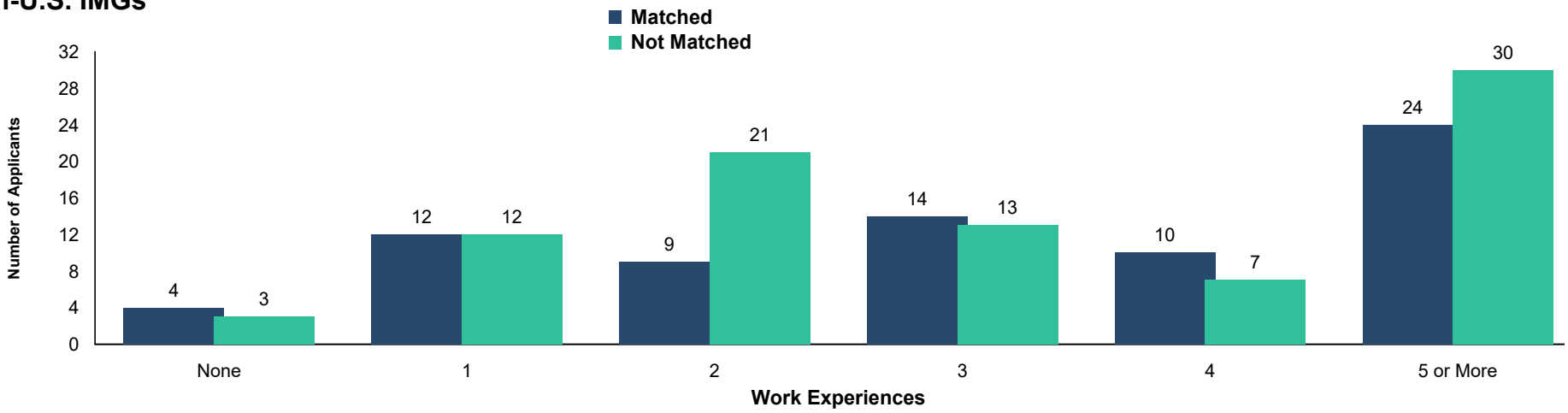


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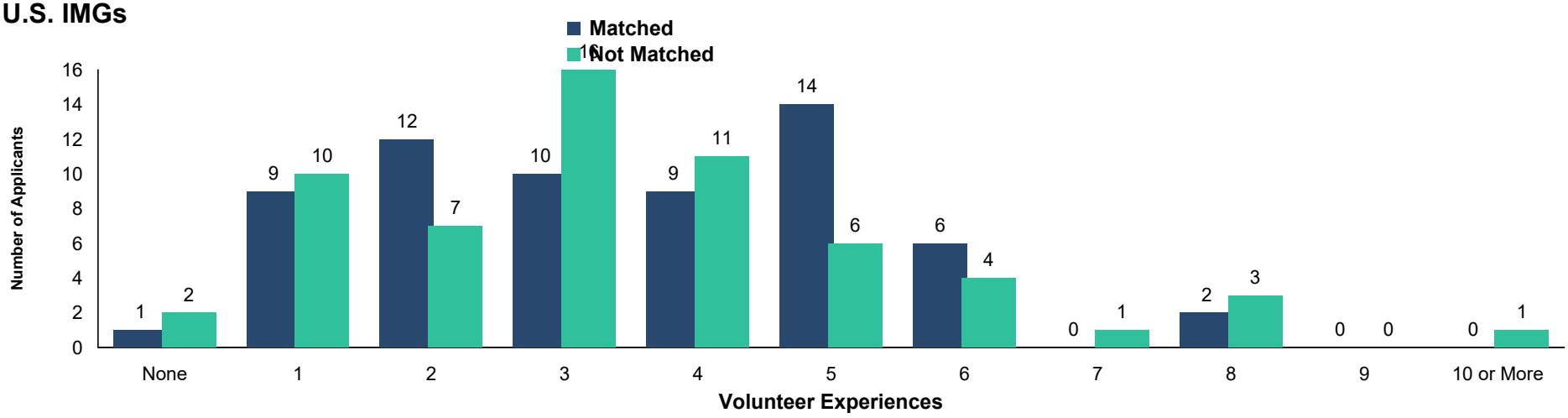
Chart AN-8

Number of Volunteer Experiences of International Medical Graduates

Anesthesiology

U.S. IMGs



Non-U.S. IMGs

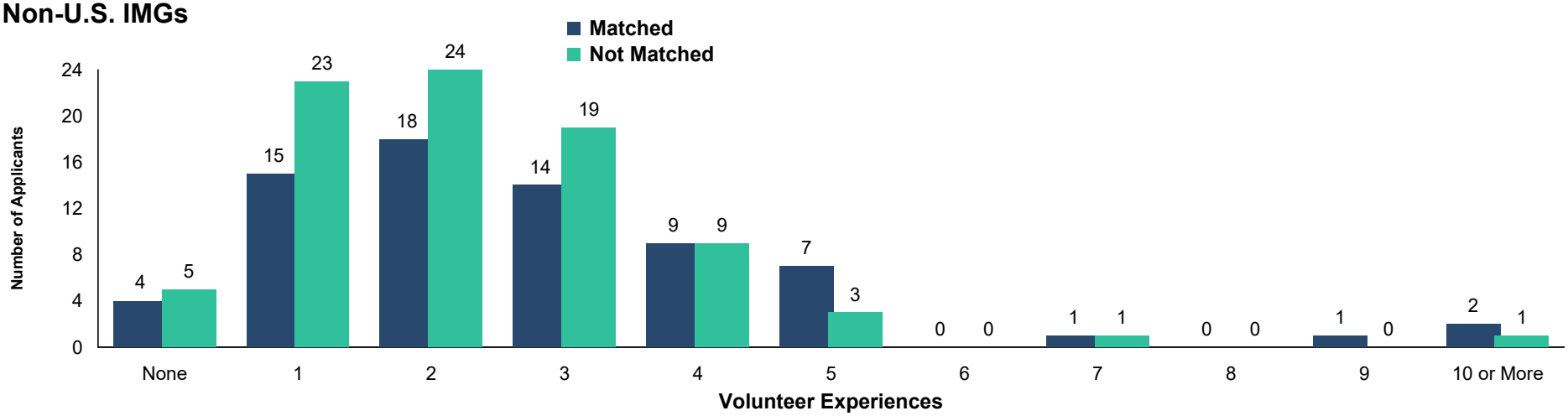


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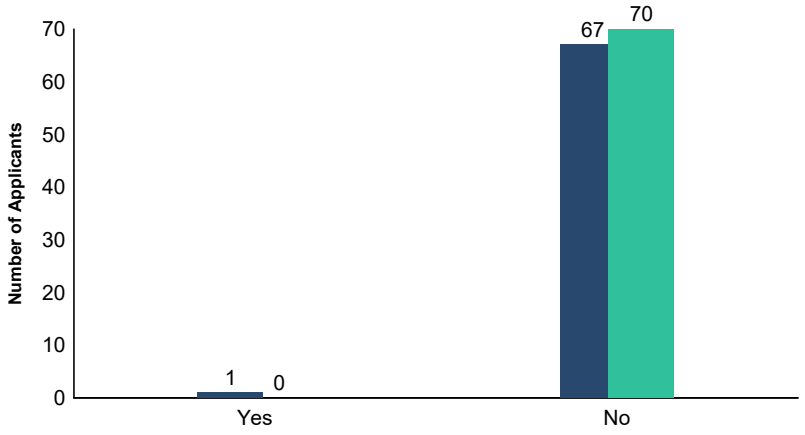
Chart AN-9

Other Characteristics of International Medical Graduates

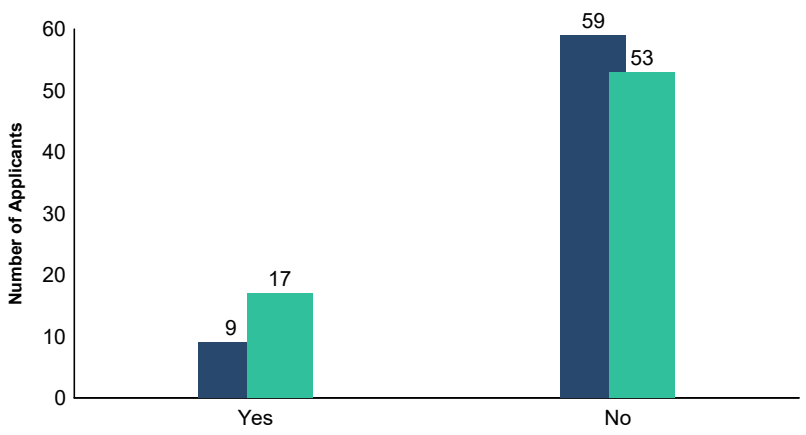
Anesthesiology

U.S. IMGs

Ph.D. Degree

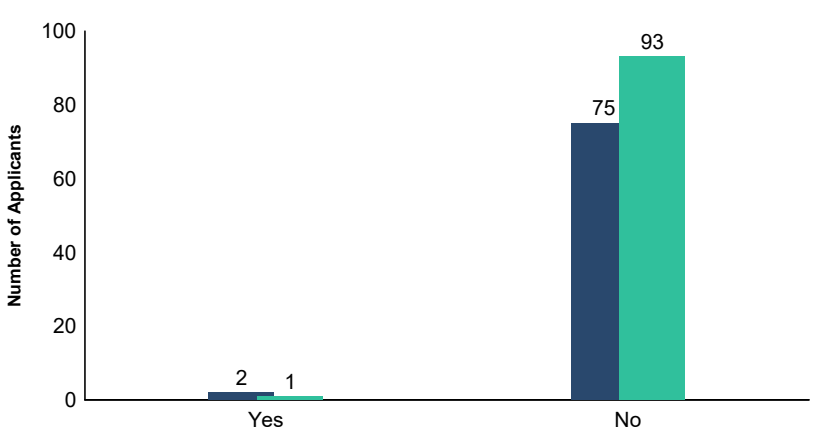


Other Graduate Degree

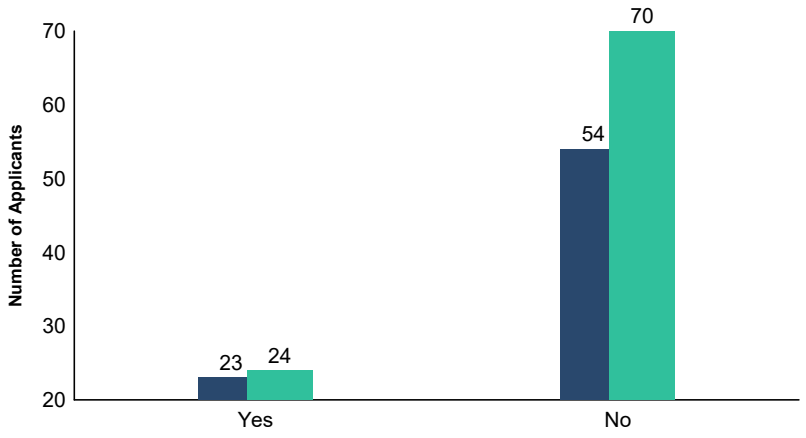


Non-U.S. IMGs

Ph.D. Degree



Other Graduate Degree



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CN Child Neurology

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Table CN-1 Summary Statistics
Child Neurology

Measure	U.S. IMGs		Non-U.S. IMGs	
	Matched (n=3)	Unmatched (n=4)	Matched (n=12)	Unmatched (n=12)
1. Mean number of contiguous ranks	5.7	2.3	7.3	1.8
2. Mean number of distinct specialties ranked	1.7	2.5	1.8	1.9
3. Mean USMLE Step 1 score*	238	212	224	214
4. Mean USMLE Step 2 score	239	225	247	231
5. Mean number of research experiences	1.5	2.8	2.4	2.2
6. Mean number of abstracts, presentations, and publications	4.0	8.3	10.8	7.5
7. Mean number of work experiences	2.0	8.7	3.7	7.5
8. Mean number of volunteer experiences	4.0	8.7	2.8	3.8
9. Percentage who have a Ph.D. degree	0.0	25.0	0.0	0.0
10. Percentage who have another graduate degree	33.3	50.0	16.7	58.3

Note: * Only applicants who gave consent to use their information in research are included.
*Only applicants who indicated completion of the USMLE Step 1 exam prior to the transition to pass/fail (i.e., prior to January 26, 2022) had the option to self-report their Step 1 numeric score. In 2024, 6,845 IMGs (2,248 U.S. IMGs and 4,597 non-U.S. IMGs) self-reported Step 1 numeric scores.
Source. NRMP Data Warehouse

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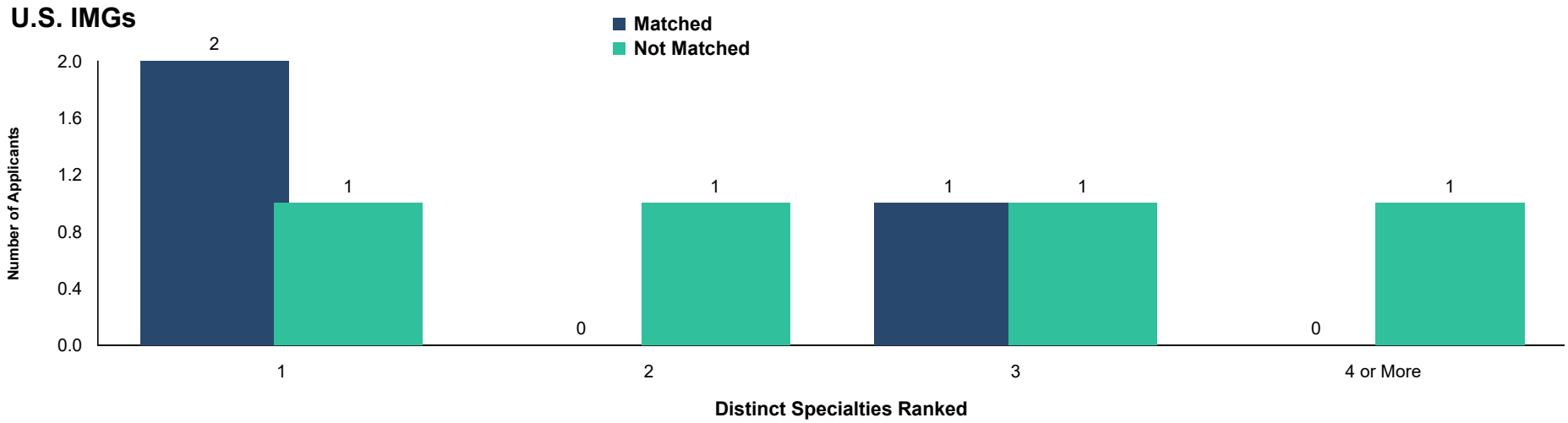
Chart CN-1 Number of Distinct Specialties Ranked by International Medical Graduates Child Neurology



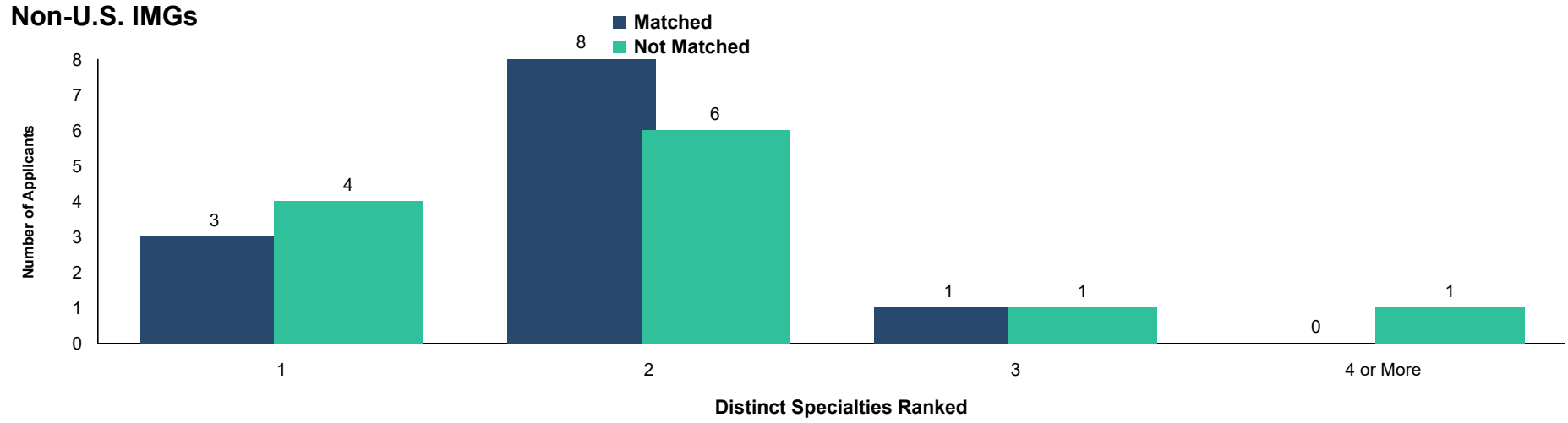


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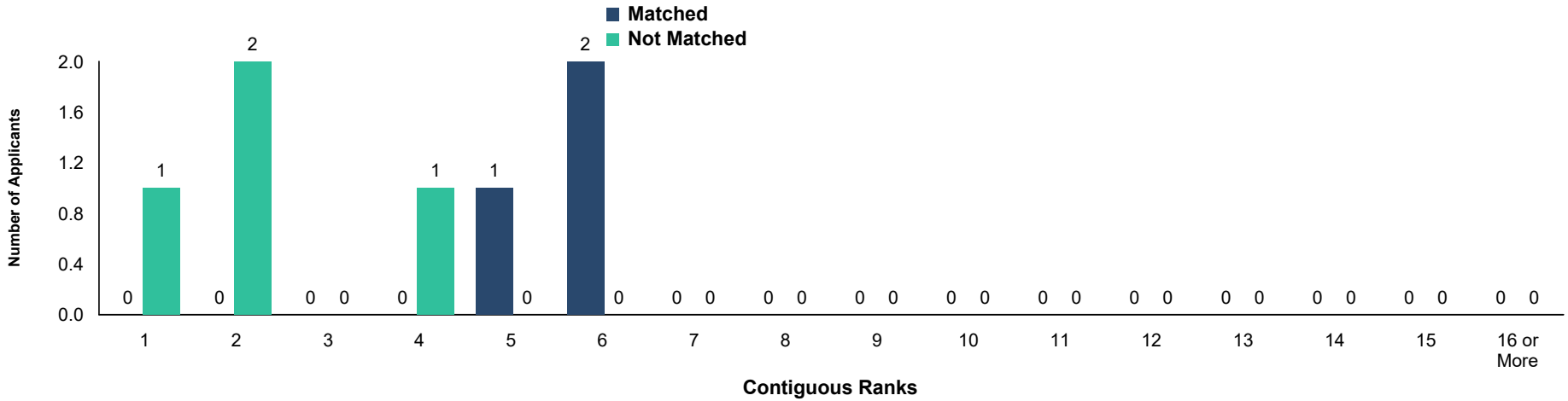
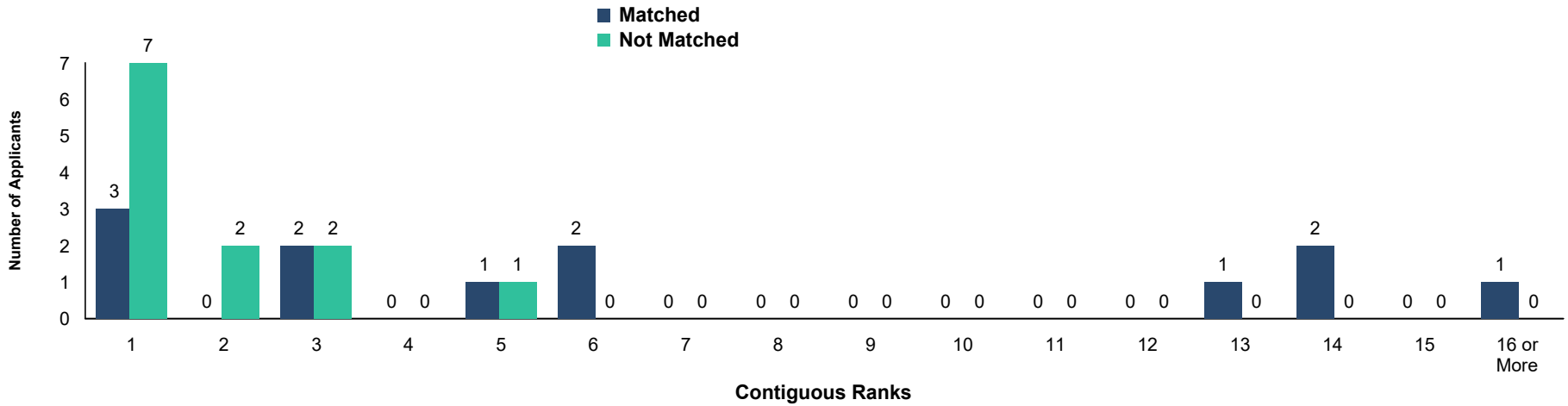
Chart CN-2 Number of Contiguous Ranks of International Medical Graduates Child Neurology

U.S. IMGs



Non-U.S. IMGs



Source: NRMP Data Warehouse

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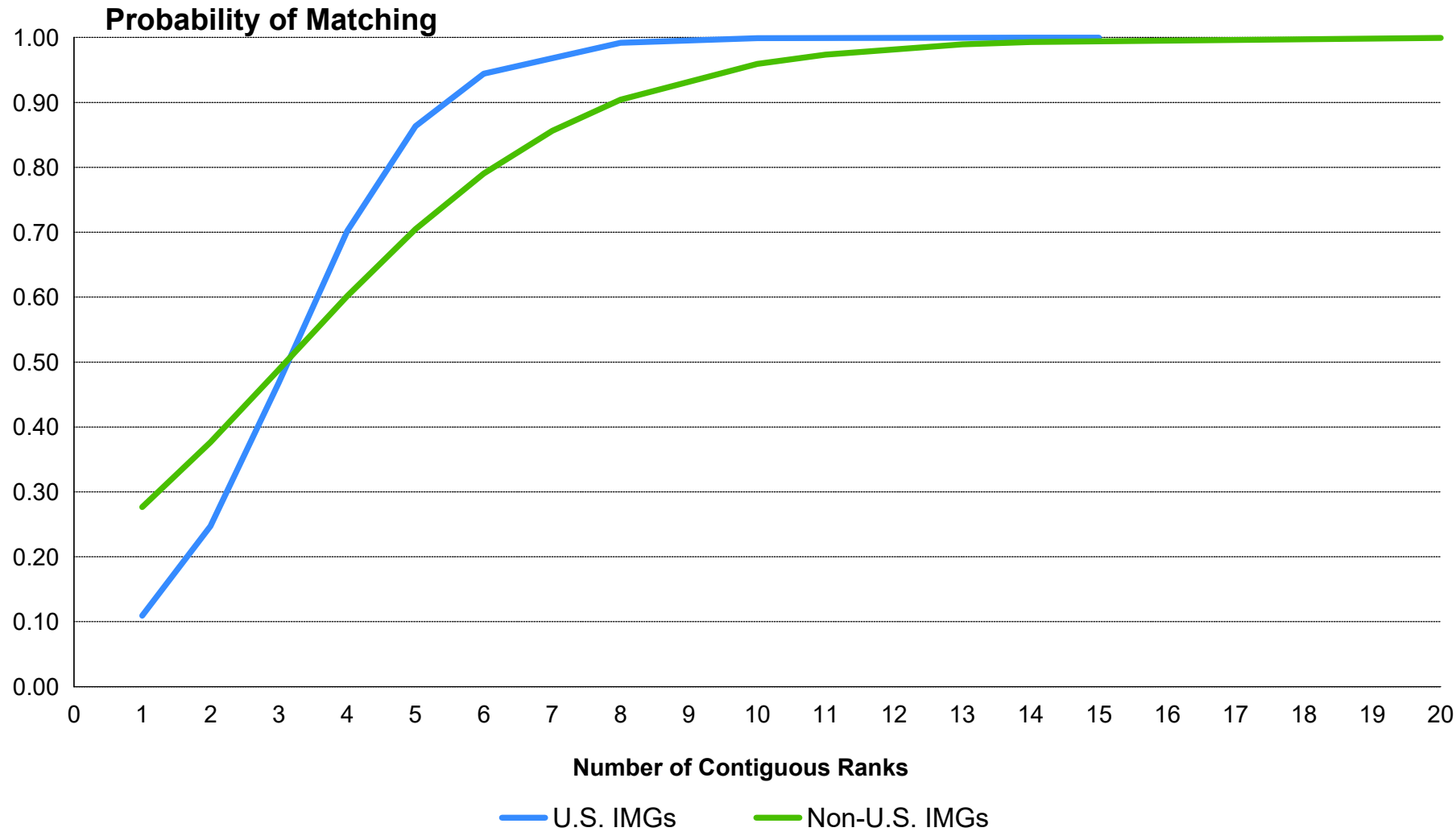
Graph CN-1

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 2022-2024 applicants

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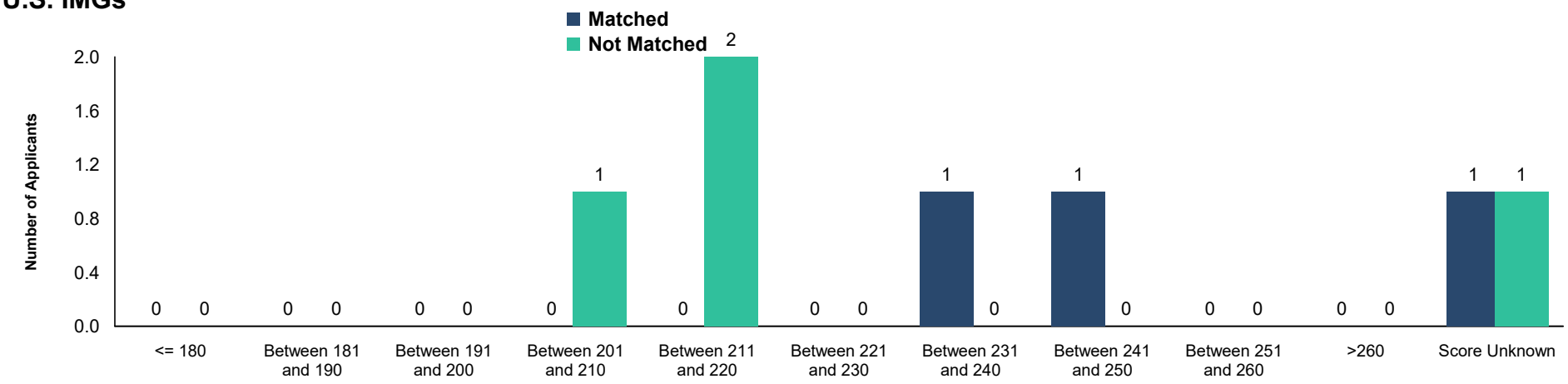
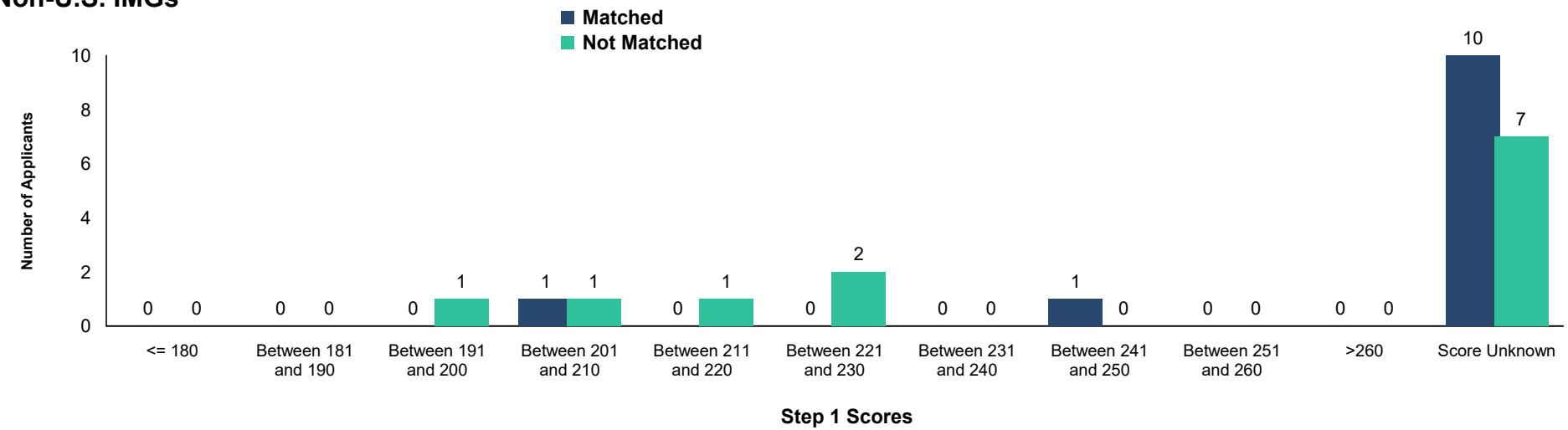
Chart CN-3 USMLE Step 1 Scores of International Medical Graduates

Child Neurology

U.S. IMGs



Non-U.S. IMGs



Source: NRMP Data Warehouse

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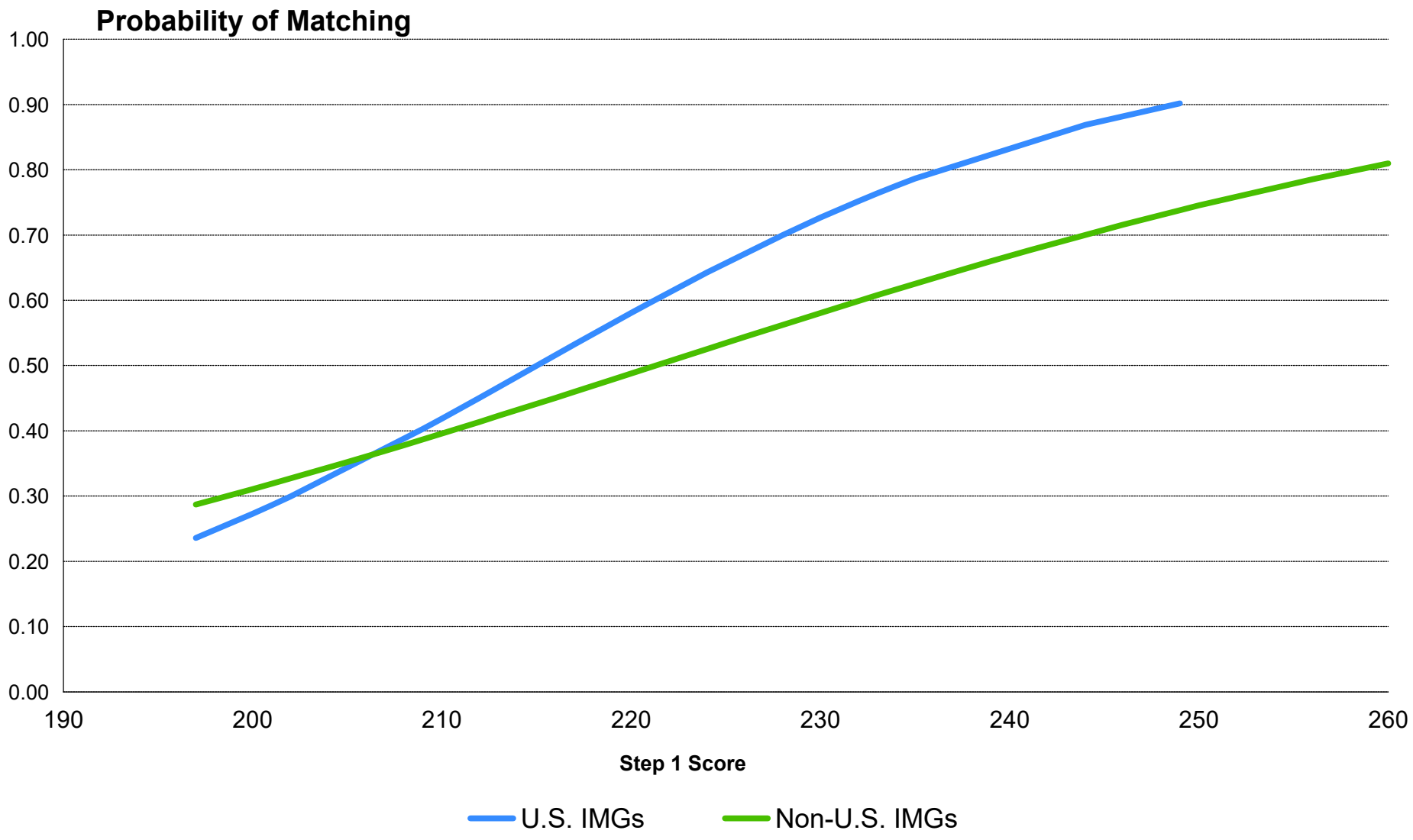
Graph CN-2

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 2022-2024 applicants.

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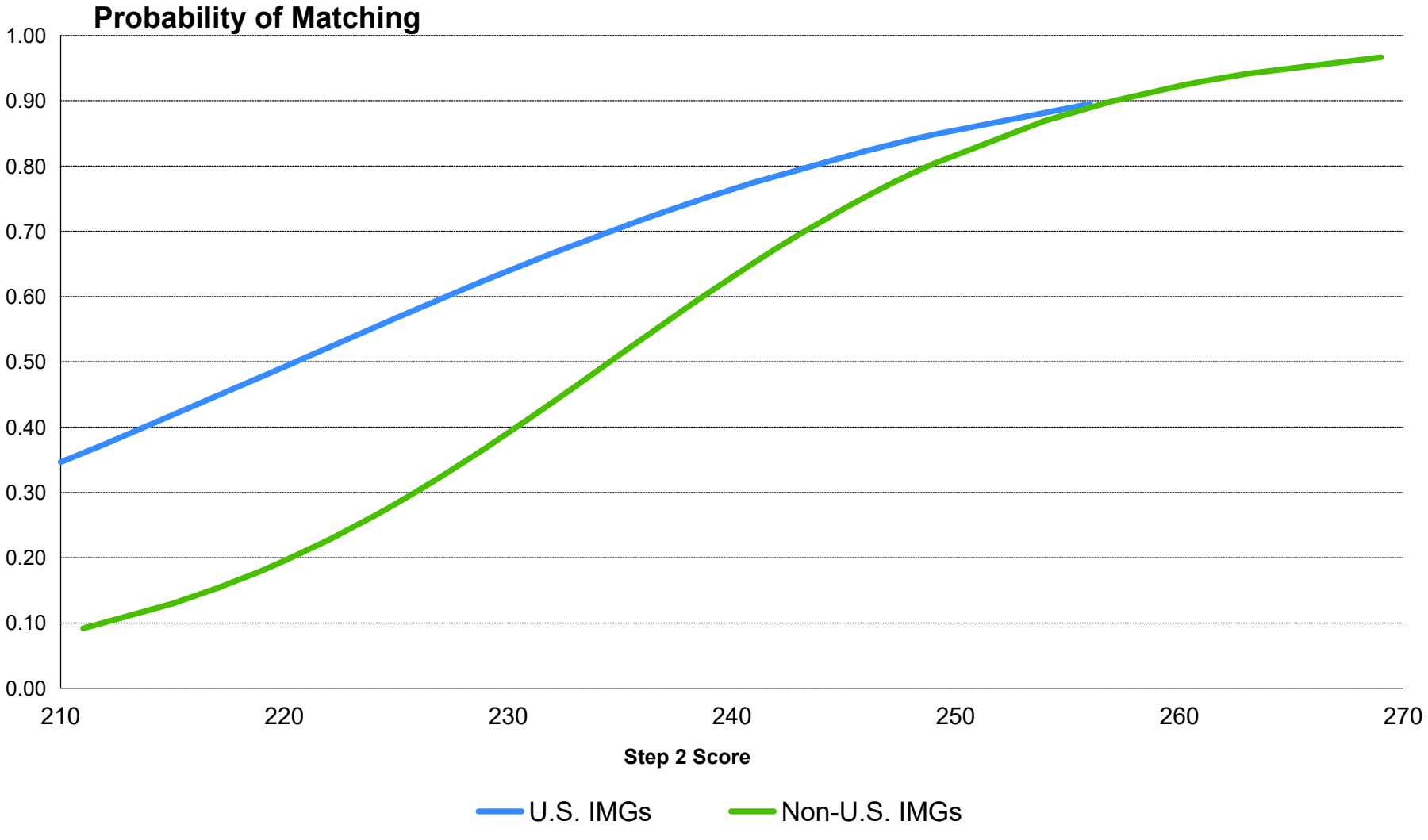
Graph CN-3

Probability of International Medical Graduates Matching to Preferred Specialty by USMLE Step 2 Score

Child Neurology



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

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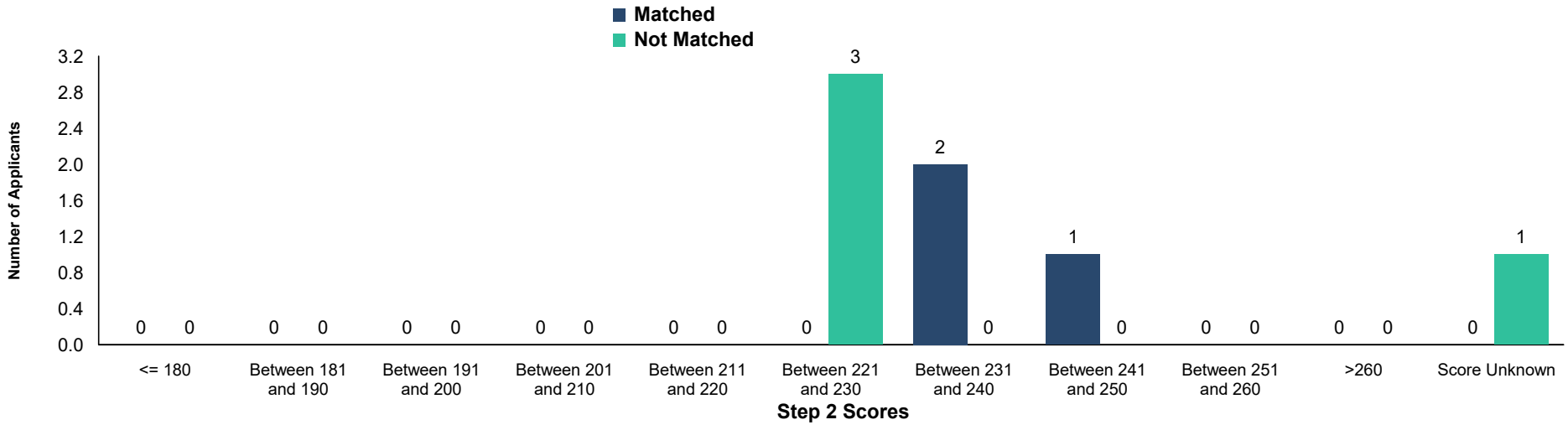
Chart CN-4

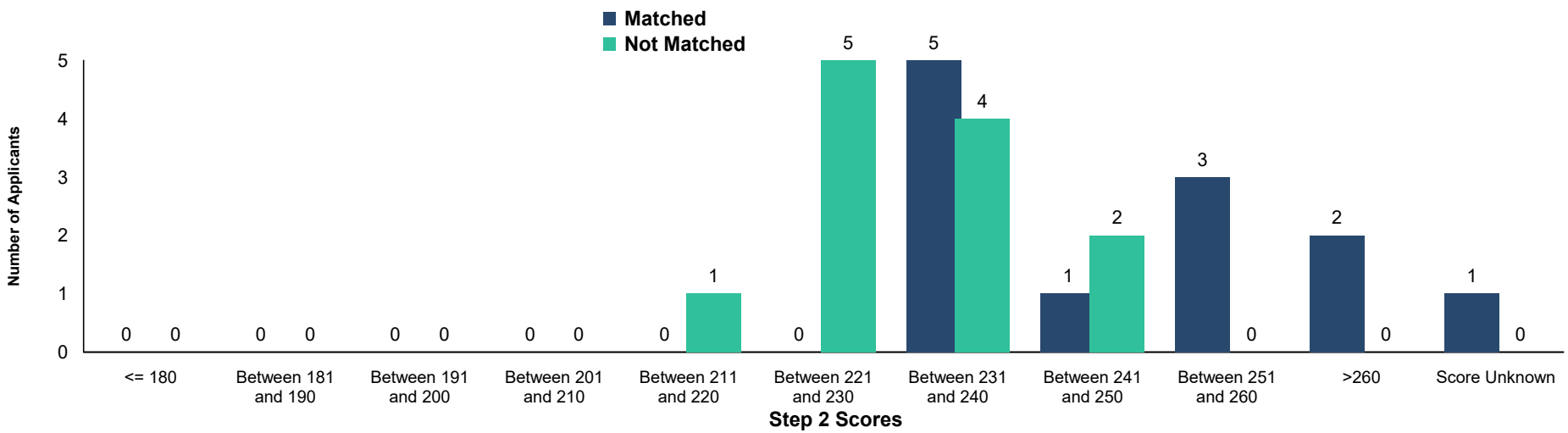
USMLE Step 2 CK Scores of International Medical Graduates

Child Neurology

U.S. IMGs



Non-U.S. IMGs



Source: NRMP Data Warehouse

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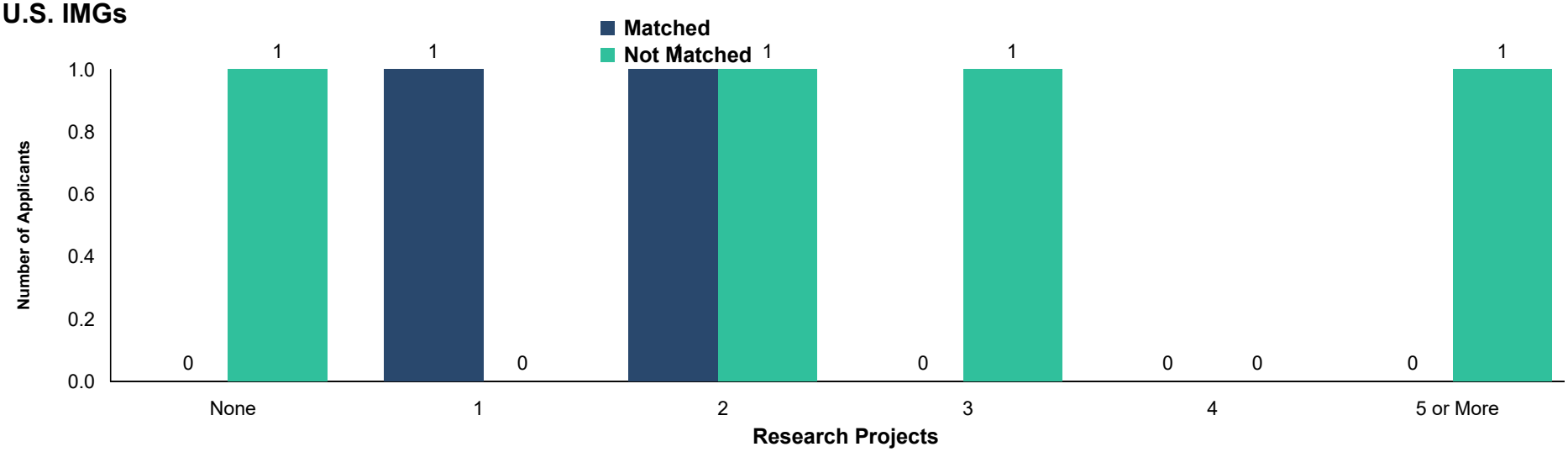
Chart CN-5

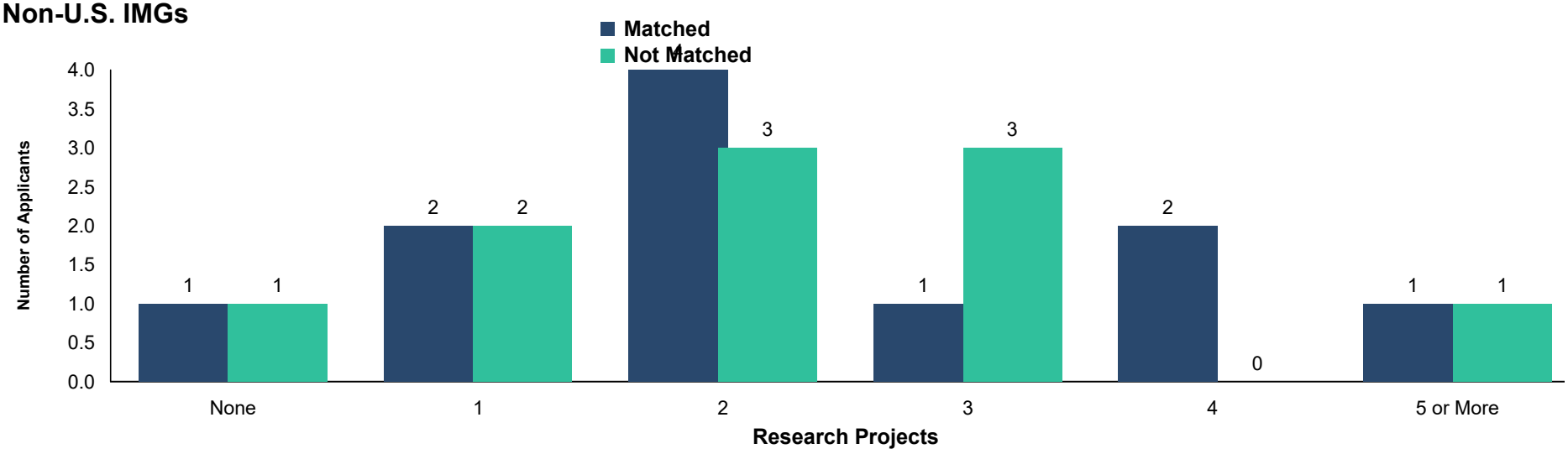
Number of Research Projects of International Medical Graduates

Child Neurology

U.S. IMGs



Non-U.S. IMGs



Source: NRMP Data Warehouse

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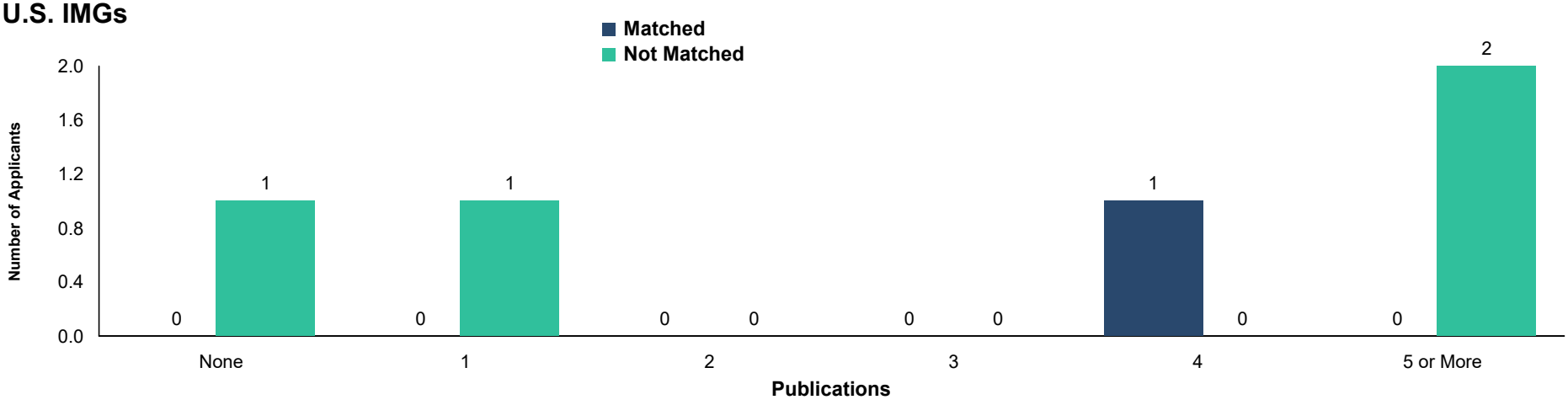
Chart CN-6

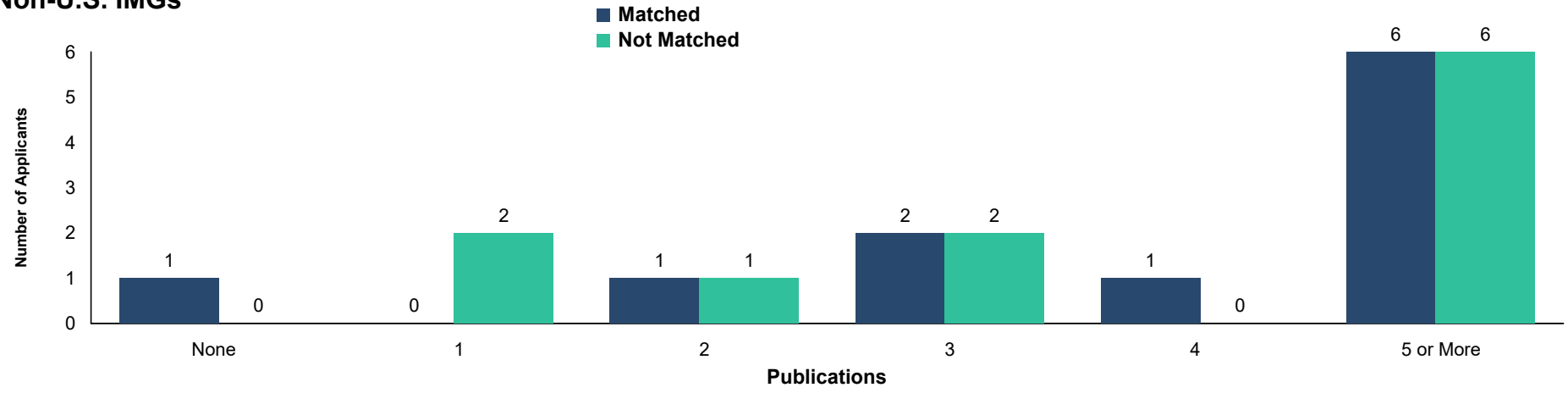
Number of Abstracts, Presentations, and Publications of International Medical Graduates

Child Neurology

U.S. IMGs



Non-U.S. IMGs



Source: NRMP Data Warehouse

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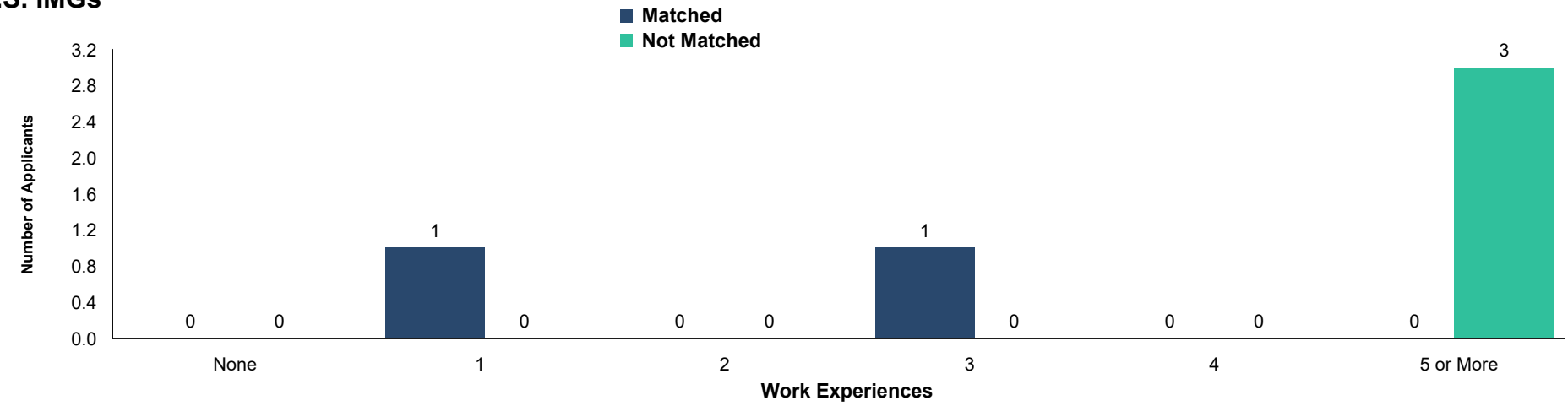
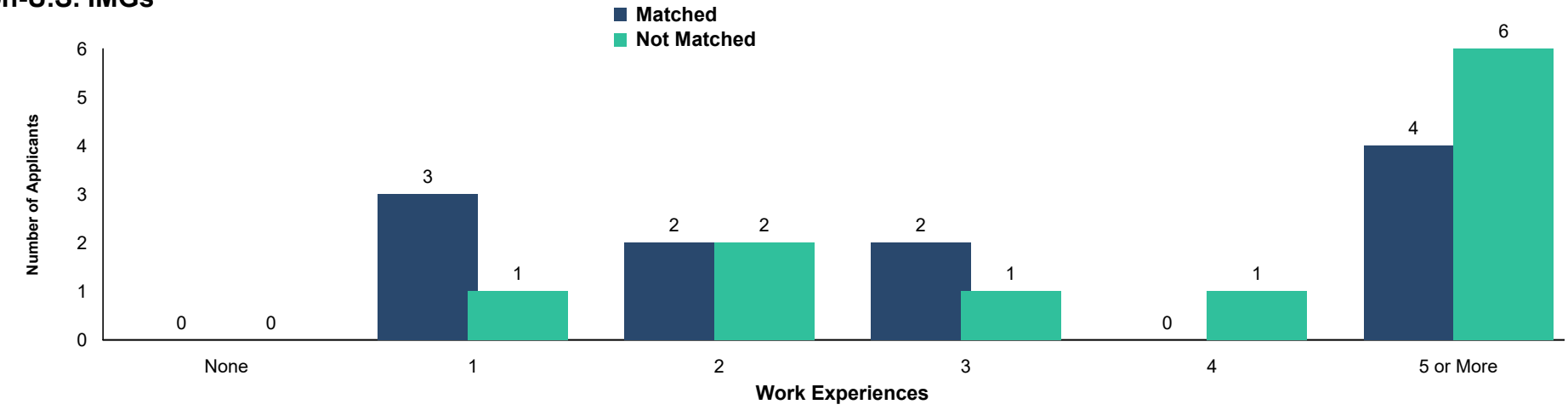
Chart CN-7 Number of Work Experiences of International Medical Graduates

Child Neurology

U.S. IMGs



Non-U.S. IMGs



Source: NRMP Data Warehouse

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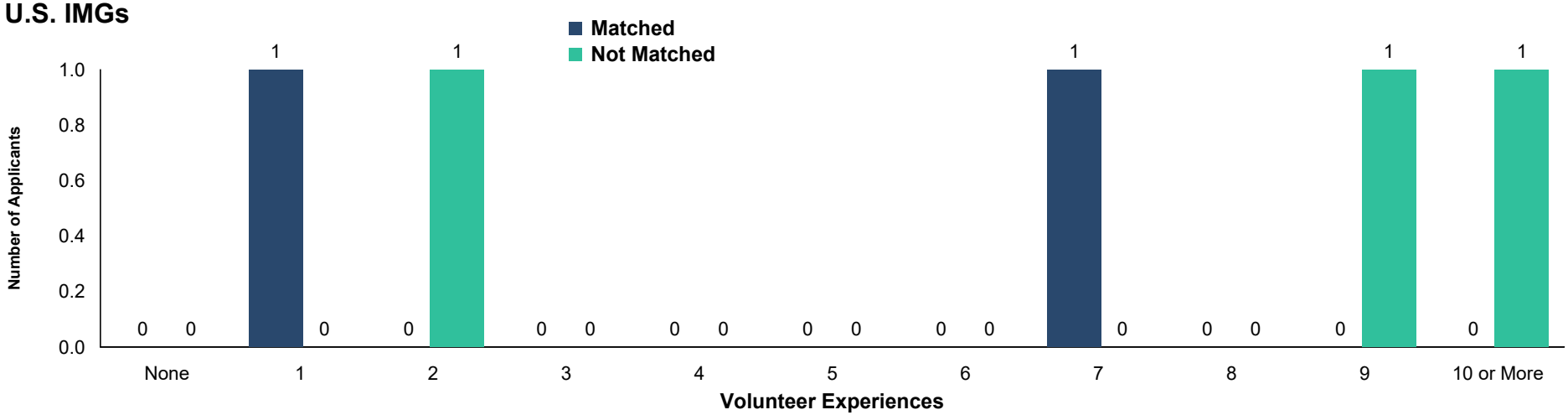
Chart CN-8

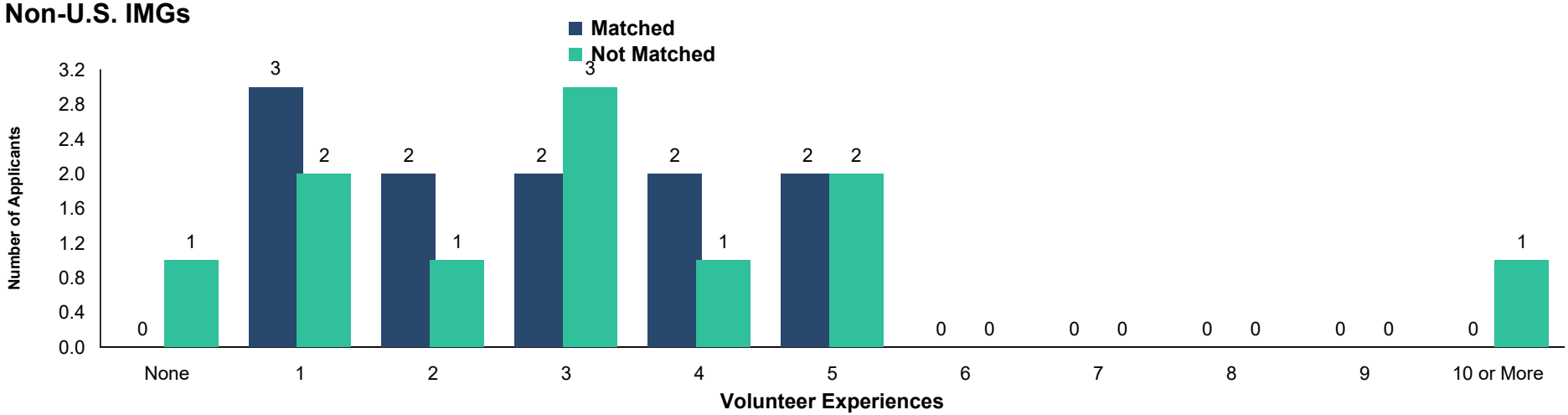
Number of Volunteer Experiences of International Medical Graduates

Child Neurology

U.S. IMGs



Non-U.S. IMGs



Source: NRMP Data Warehouse

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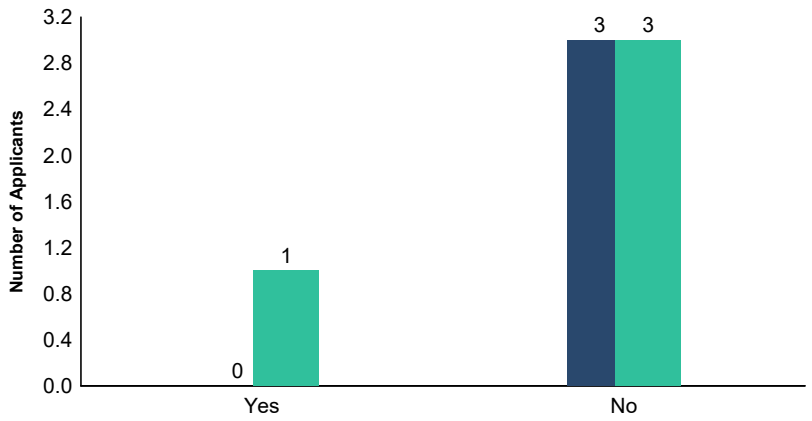
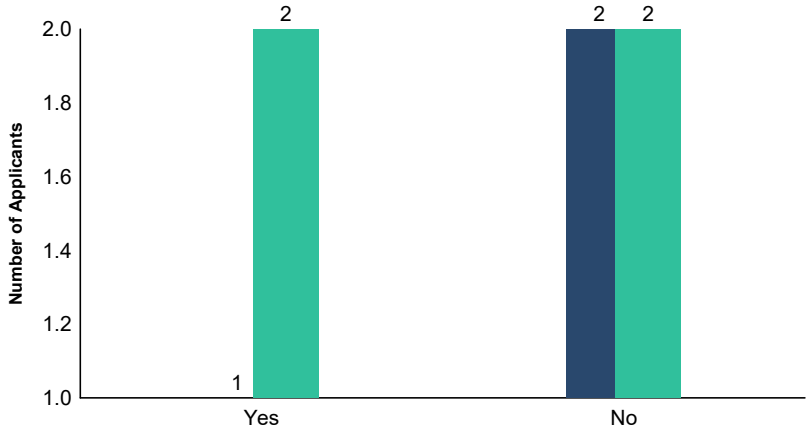
Chart CN-9 Other Characteristics of International Medical Graduates

Child Neurology

Ph.D. Degree

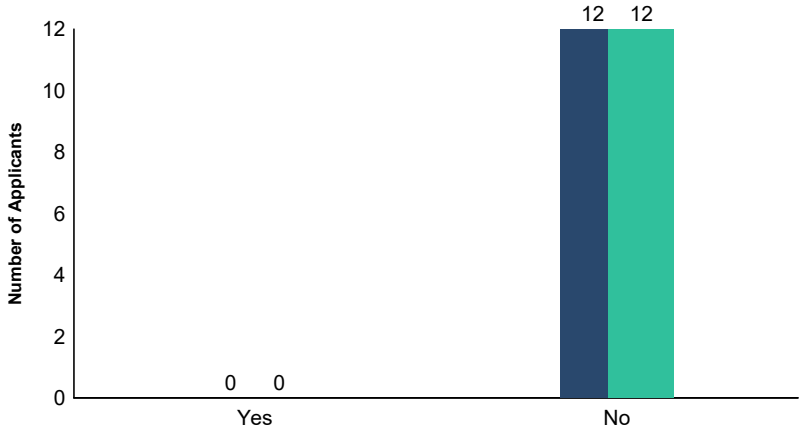


Other Graduate Degree

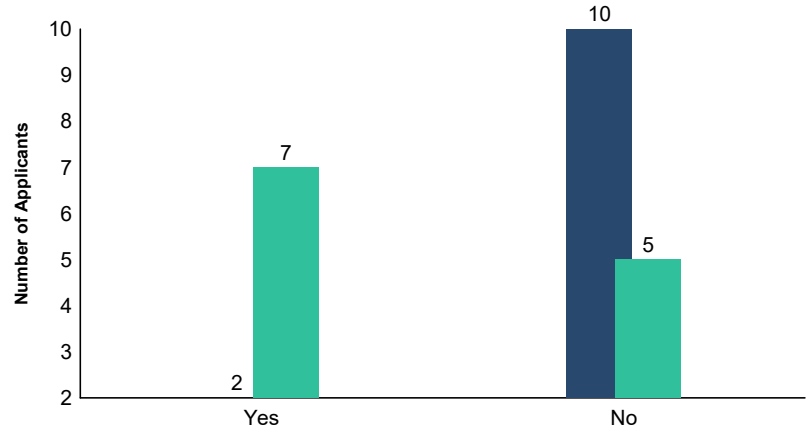


Non-U.S. IMGs

Ph.D. Degree



Other Graduate Degree



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DM Dermatology

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Table DM-1 Summary Statistics
Dermatology

Measure	U.S. IMGs	Non-U.S. IMGs	
	Data not shown due to the small sample size	Matched (n=10)	Unmatched (n=11)
1. Mean number of contiguous ranks		3.9	3.7
2. Mean number of distinct specialties ranked		2.4	1.7
3. Mean USMLE Step 1 score*		239	234
4. Mean USMLE Step 2 score		256	245
5. Mean number of research experiences		2.3	5.1
6. Mean number of abstracts, presentations, and publications		28.5	7.2
7. Mean number of work experiences		3.6	3.8
8. Mean number of volunteer experiences		2.7	3.9
9. Percentage who have a Ph.D. degree		0.0	0.0
10. Percentage who have another graduate degree		33.3	36.4

Note: * Only applicants who gave consent to use their information in research are included.
*Only applicants who indicated completion of the USMLE Step 1 exam prior to the transition to pass/fail (i.e., prior to January 26, 2022) had the option to self-report their Step 1 numeric score. In 2024, 6,845 IMGs (2,248 U.S. IMGs and 4,597 non-U.S. IMGs) self-reported Step 1 numeric scores.
Source. NRMP Data Warehouse

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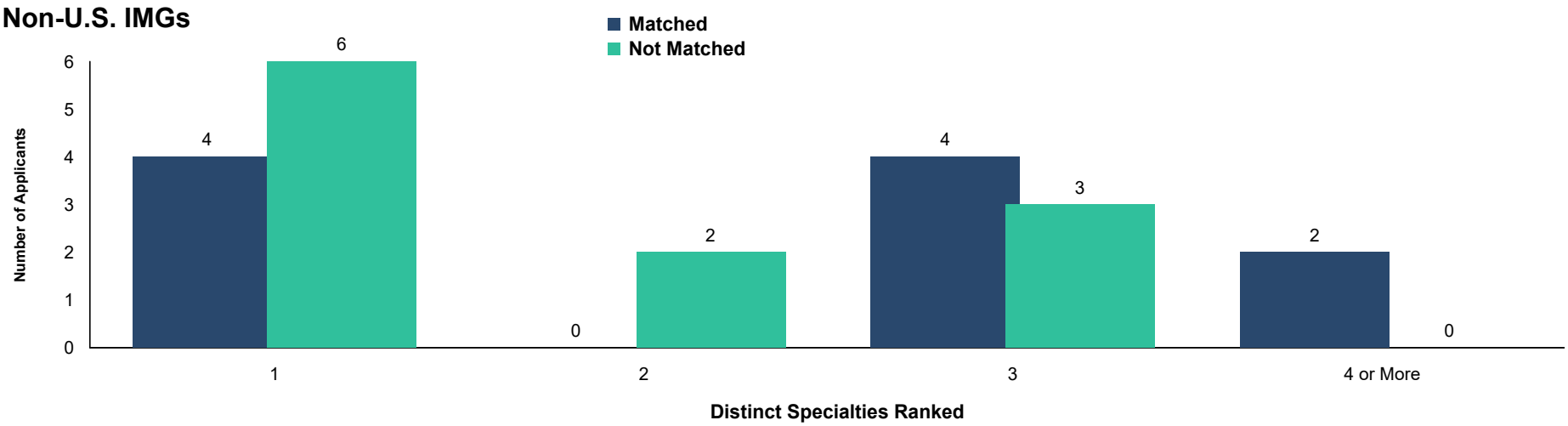
Chart DM-1 Number of Distinct Specialties Ranked by International Medical Graduates Dermatology



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

Source: NRMP Data Warehouse

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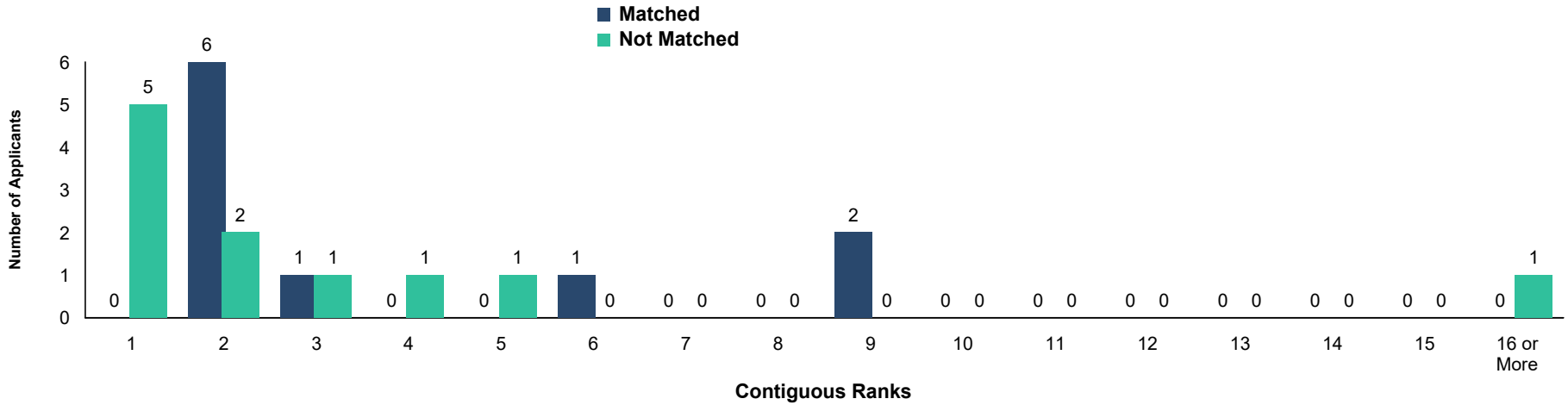
Chart DM-2 Number of Contiguous Ranks of International Medical Graduates Dermatology

Non-U.S. IMGs



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

Source: NRMP Data Warehouse

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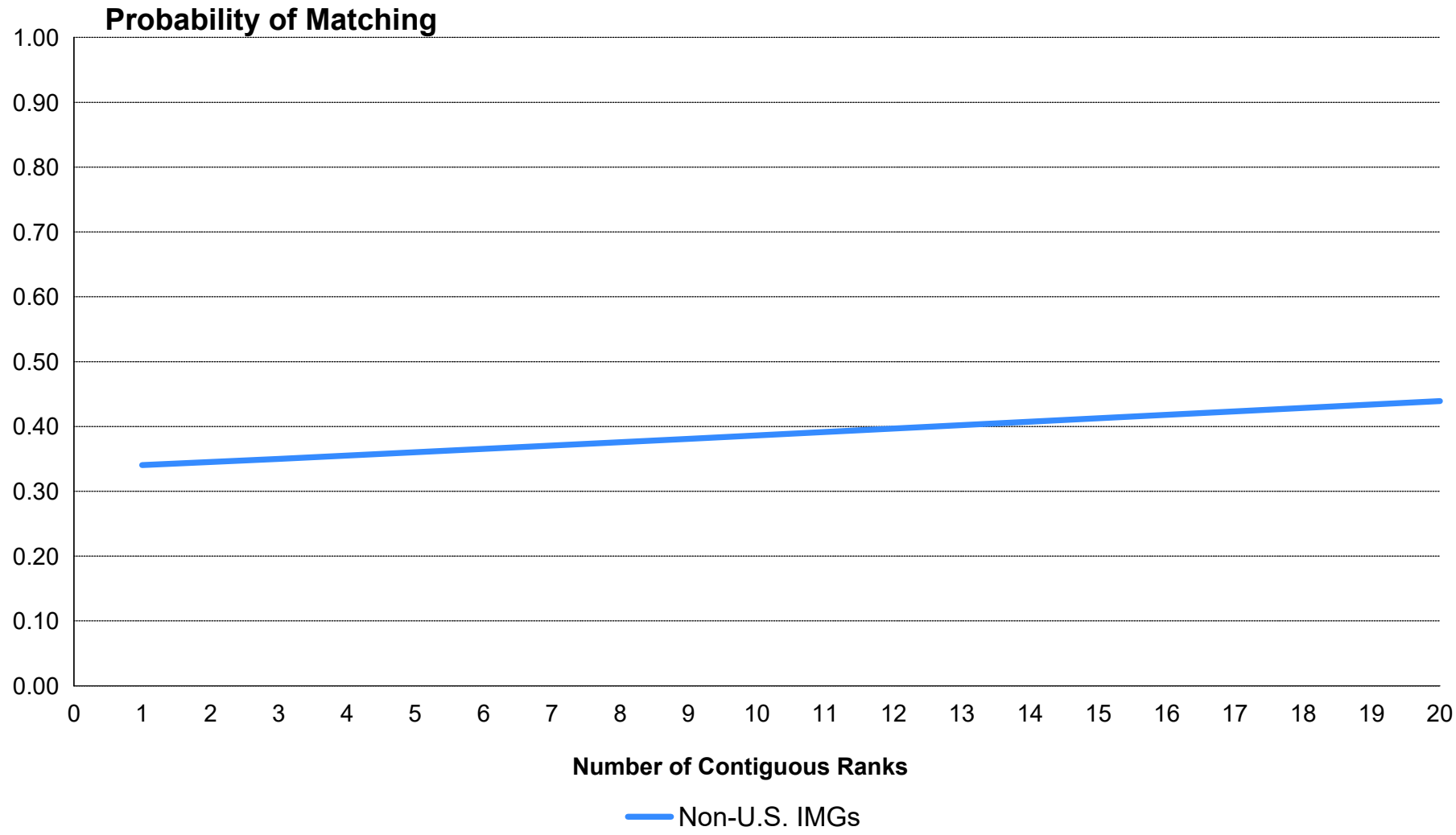
Graph DM-1

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 2022-2024 applicants

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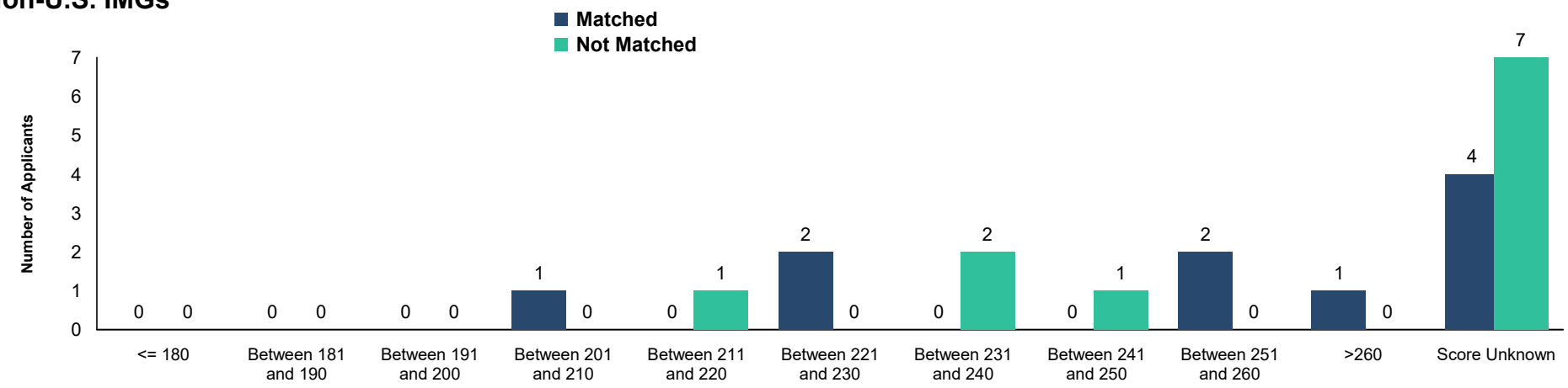
Chart DM-3 USMLE Step 1 Scores of International Medical Graduates

Dermatology

Non-U.S. IMGs



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

Source: NRMP Data Warehouse

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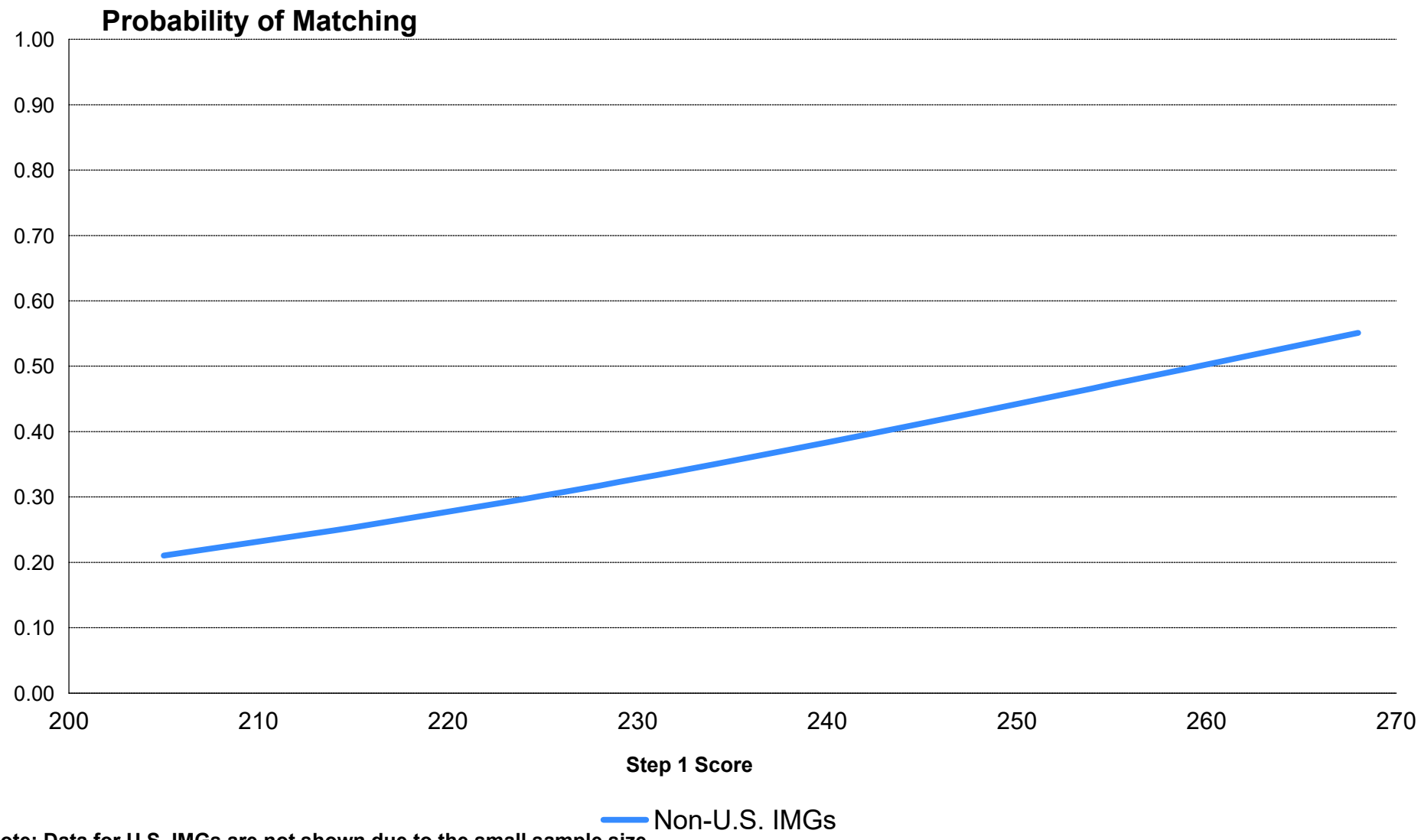
Graph DM-2

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 2022-2024 applicants.

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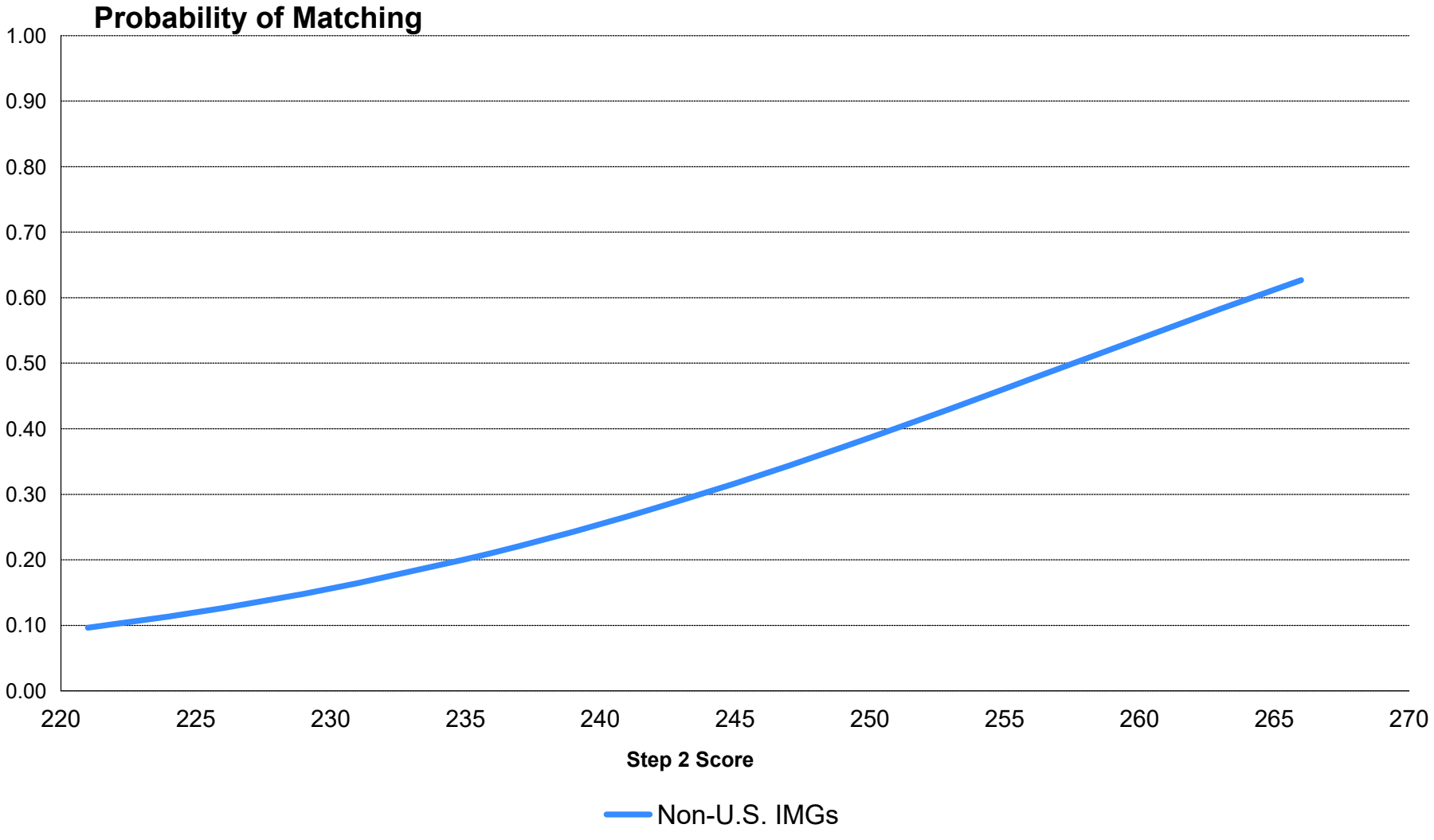
Graph DM-3

Probability of International Medical Graduates Matching to Preferred Specialty by USMLE Step 2 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 2022-2024 applicants.

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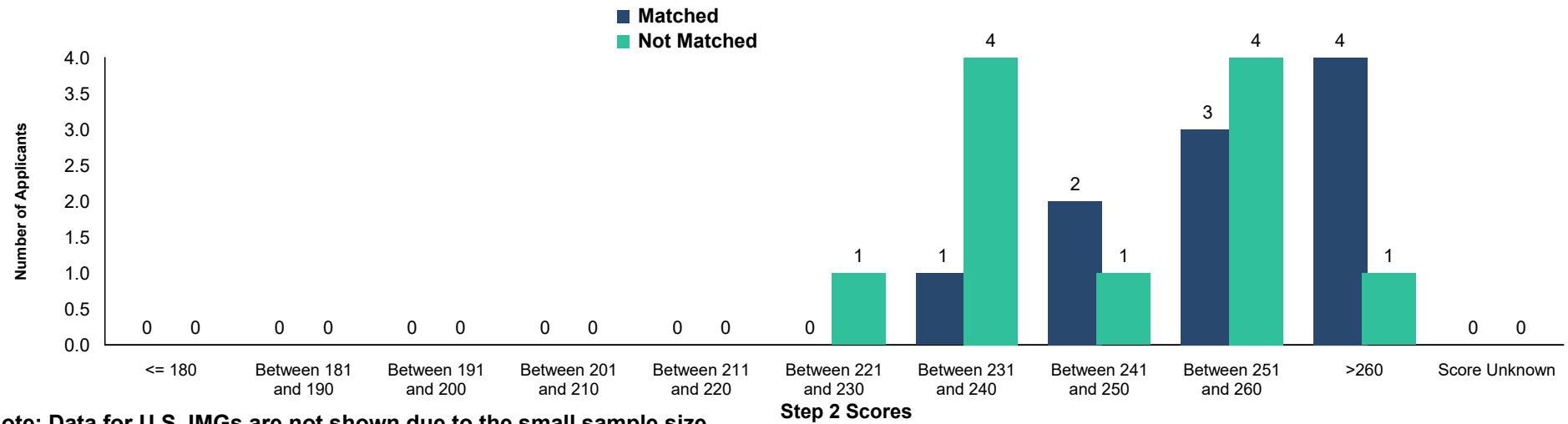
Chart DM-4

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

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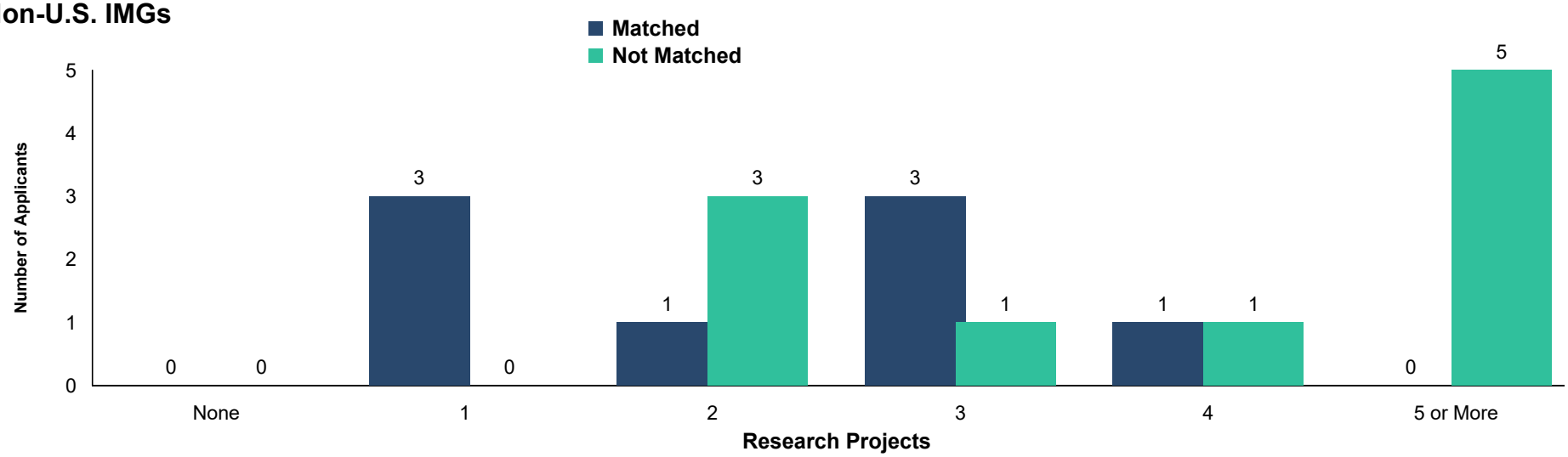
Chart DM-5

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

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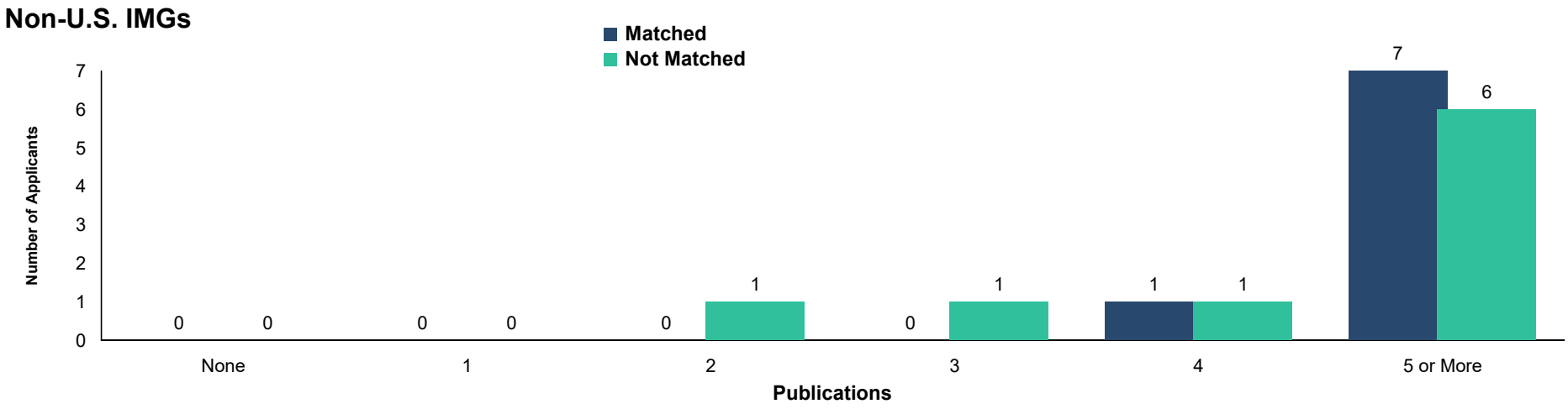
Chart DM-6

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

Dermatology



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

Source: NRMP Data Warehouse

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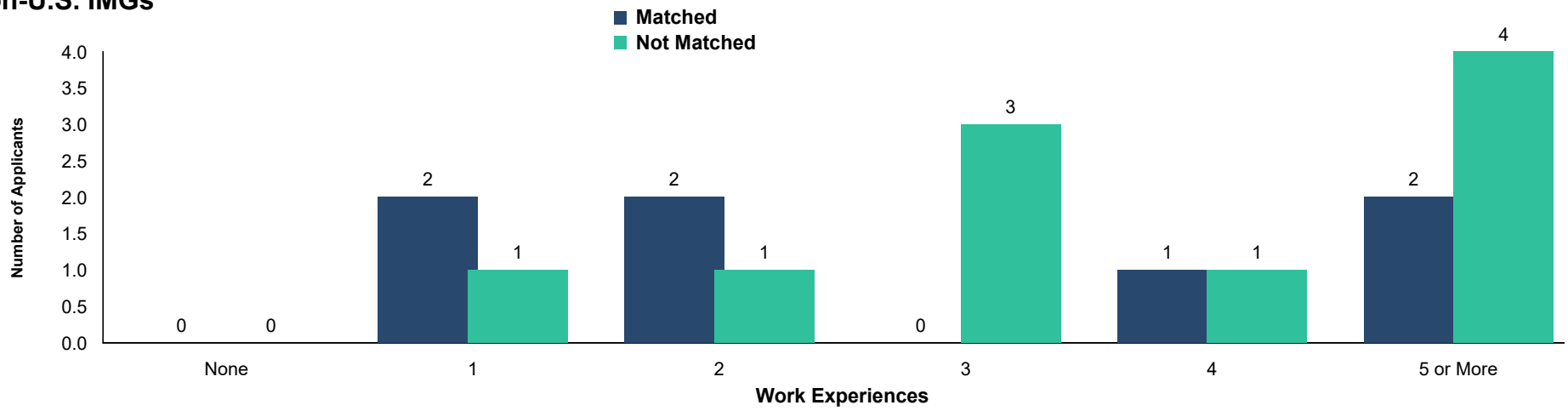
Chart DM-7 Number of Work Experiences of International Medical Graduates

Dermatology

Non-U.S. IMGs



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

Source: NRMP Data Warehouse

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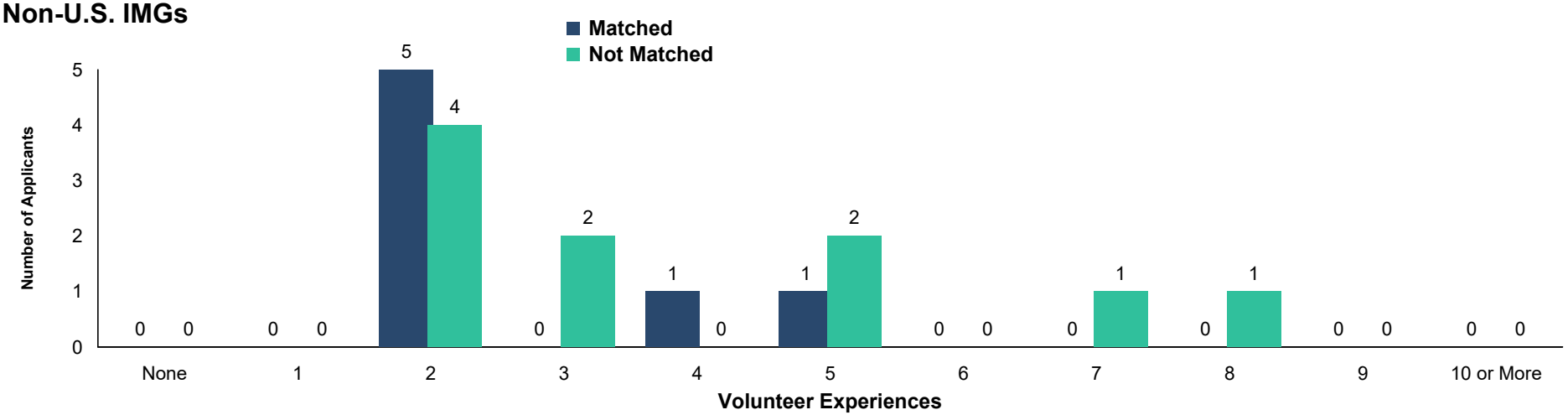
Chart DM-8

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

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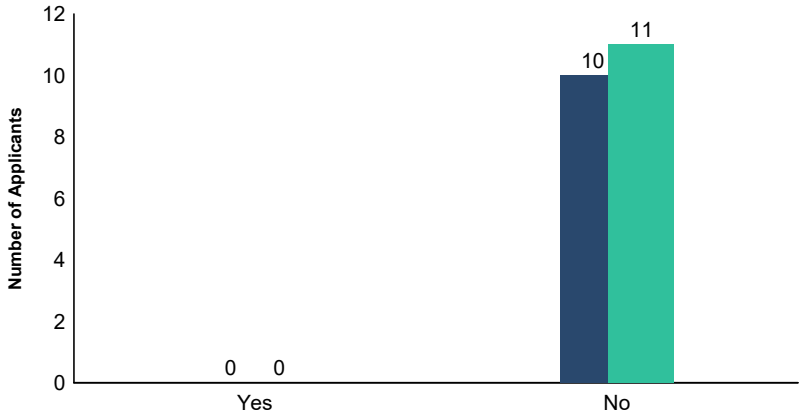
Chart DM-9 Other Characteristics of International Medical Graduates

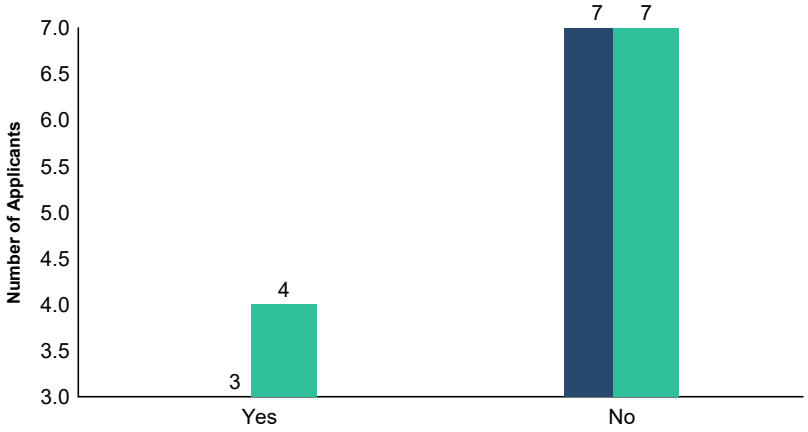
Dermatology

Non-U.S. IMGs

Ph.D. Degree



Other Graduate Degree



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

Source: NRMP Data Warehouse

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DR Diagnostic Radiology

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Table DR-1 Summary Statistics
Diagnostic Radiology

Measure	U.S. IMGs		Non-U.S. IMGs	
	Matched (n=23)	Unmatched (n=45)	Matched (n=64)	Unmatched (n=70)
1. Mean number of contiguous ranks	5.6	2.7	6.2	2.6
2. Mean number of distinct specialties ranked	2.1	2.3	2.3	2.2
3. Mean USMLE Step 1 score*	233	232	249	240
4. Mean USMLE Step 2 score	250	242	252	250
5. Mean number of research experiences	4.6	3.6	3.2	4.8
6. Mean number of abstracts, presentations, and publications	15.8	6.7	20.4	13.7
7. Mean number of work experiences	4.1	4.1	3.1	4.1
8. Mean number of volunteer experiences	3.1	3.2	3.3	2.5
9. Percentage who have a Ph.D. degree	4.8	0.0	1.6	0.0
10. Percentage who have another graduate degree	19.0	35.7	22.6	27.7

Note: * Only applicants who gave consent to use their information in research are included.
*Only applicants who indicated completion of the USMLE Step 1 exam prior to the transition to pass/fail (i.e., prior to January 26, 2022) had the option to self-report their Step 1 numeric score. In 2024, 6,845 IMGs (2,248 U.S. IMGs and 4,597 non-U.S. IMGs) self-reported Step 1 numeric scores.
Source. NRMP Data Warehouse

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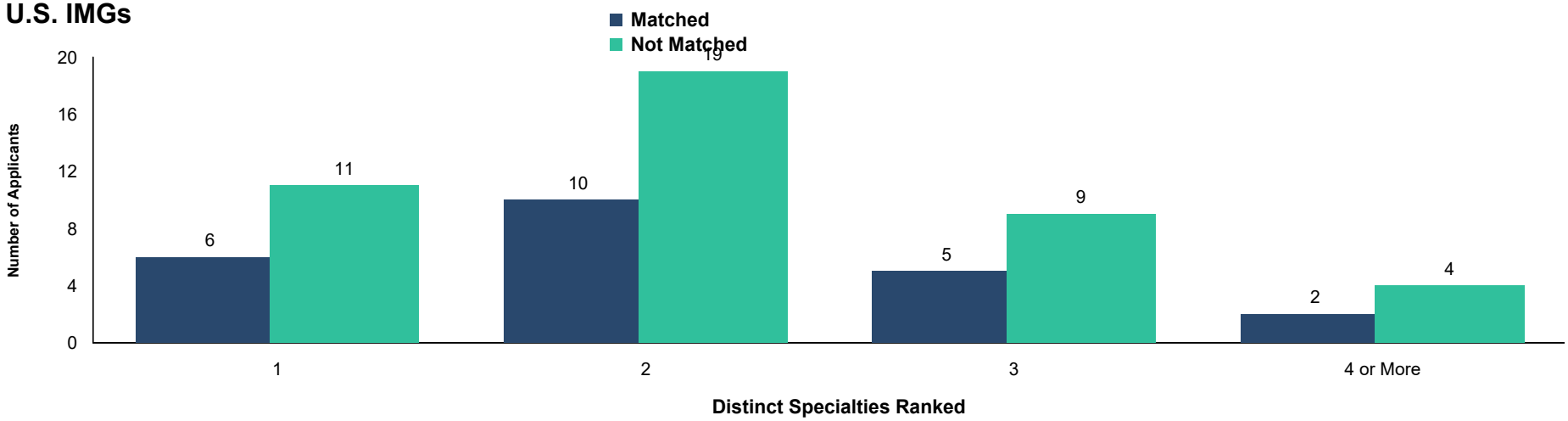
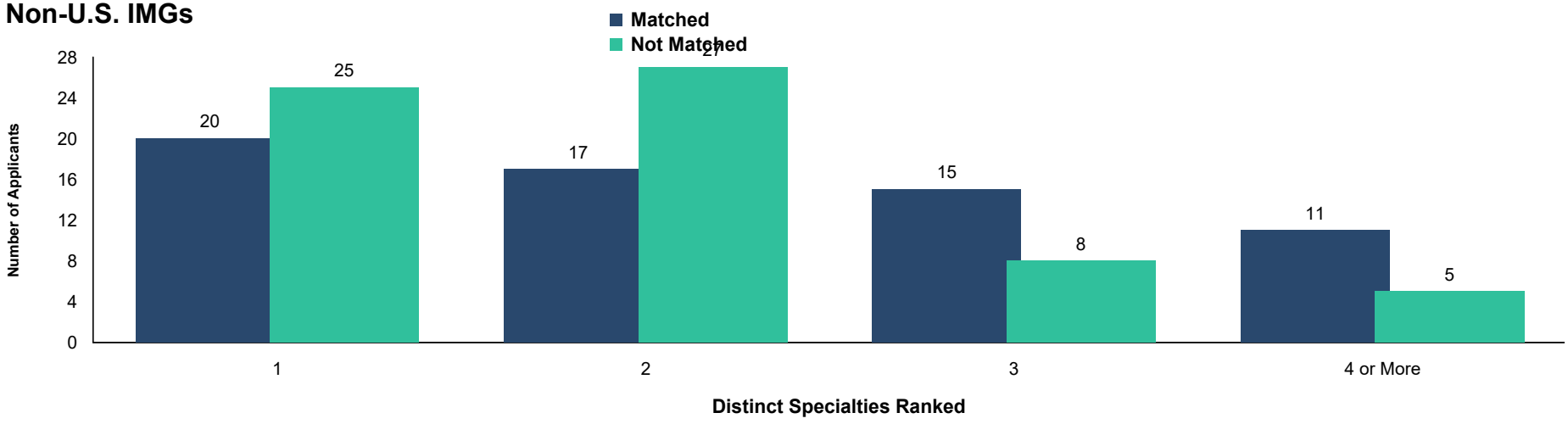
Chart DR-1 Number of Distinct Specialties Ranked by International Medical Graduates Diagnostic Radiology

U.S. IMGs



Non-U.S. IMGs



Source: NRMP Data Warehouse

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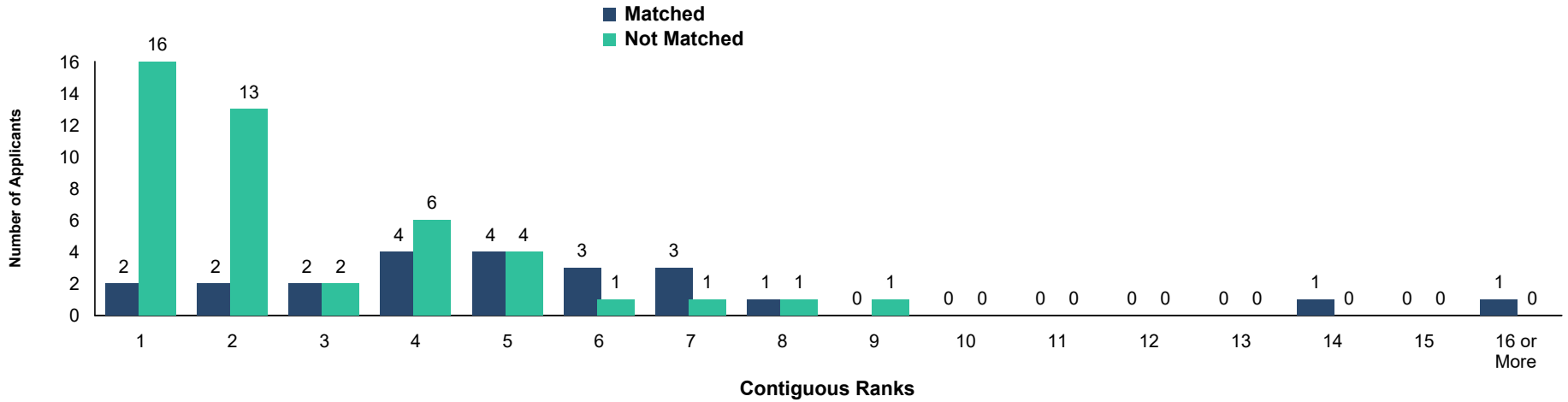
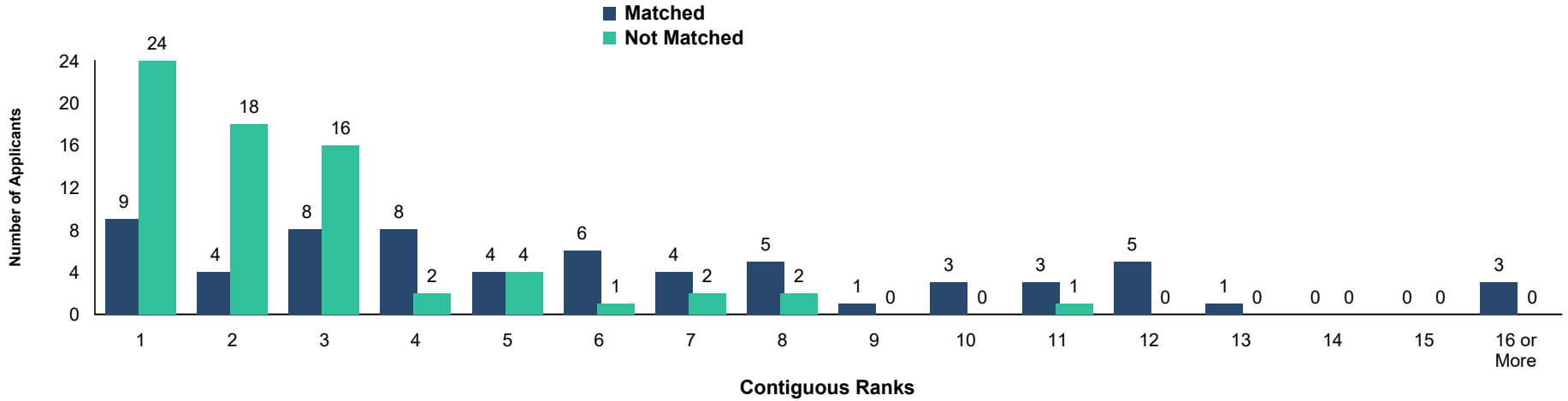
Chart DR-2 Number of Contiguous Ranks of International Medical Graduates Diagnostic Radiology

U.S. IMGs



Non-U.S. IMGs



Source: NRMP Data Warehouse

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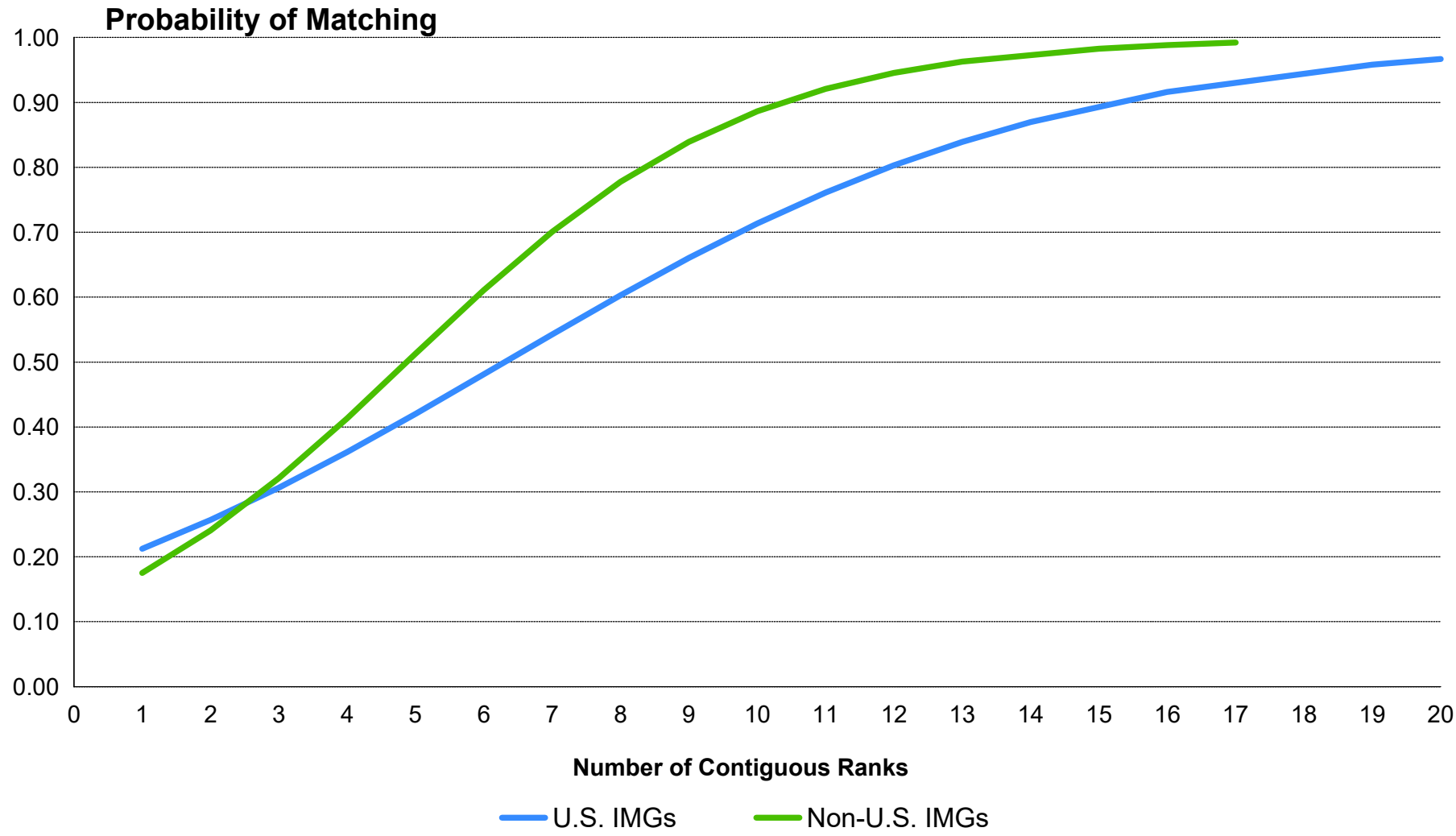
Graph DR-1

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 2022-2024 applicants

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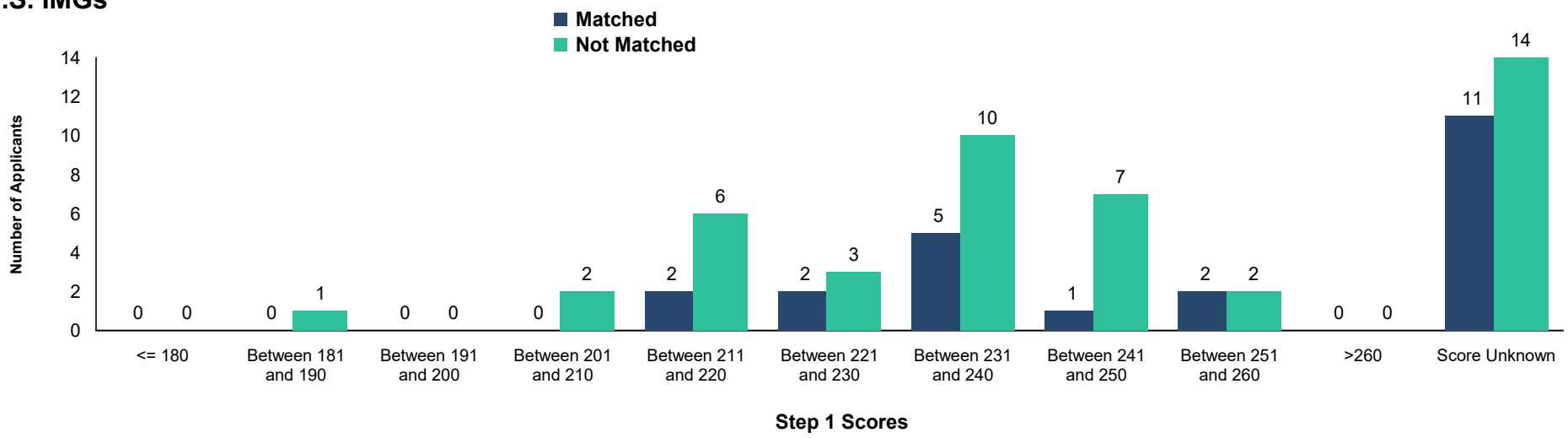
Chart DR-3

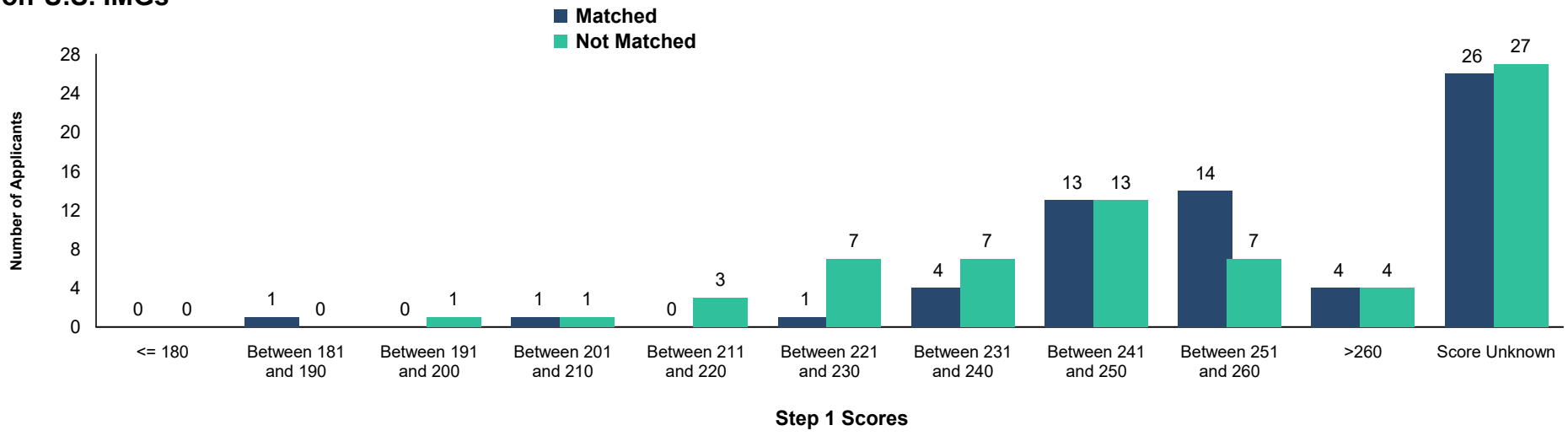
USMLE Step 1 Scores of International Medical Graduates

Diagnostic Radiology

U.S. IMGs



Non-U.S. IMGs



Source: NRMP Data Warehouse

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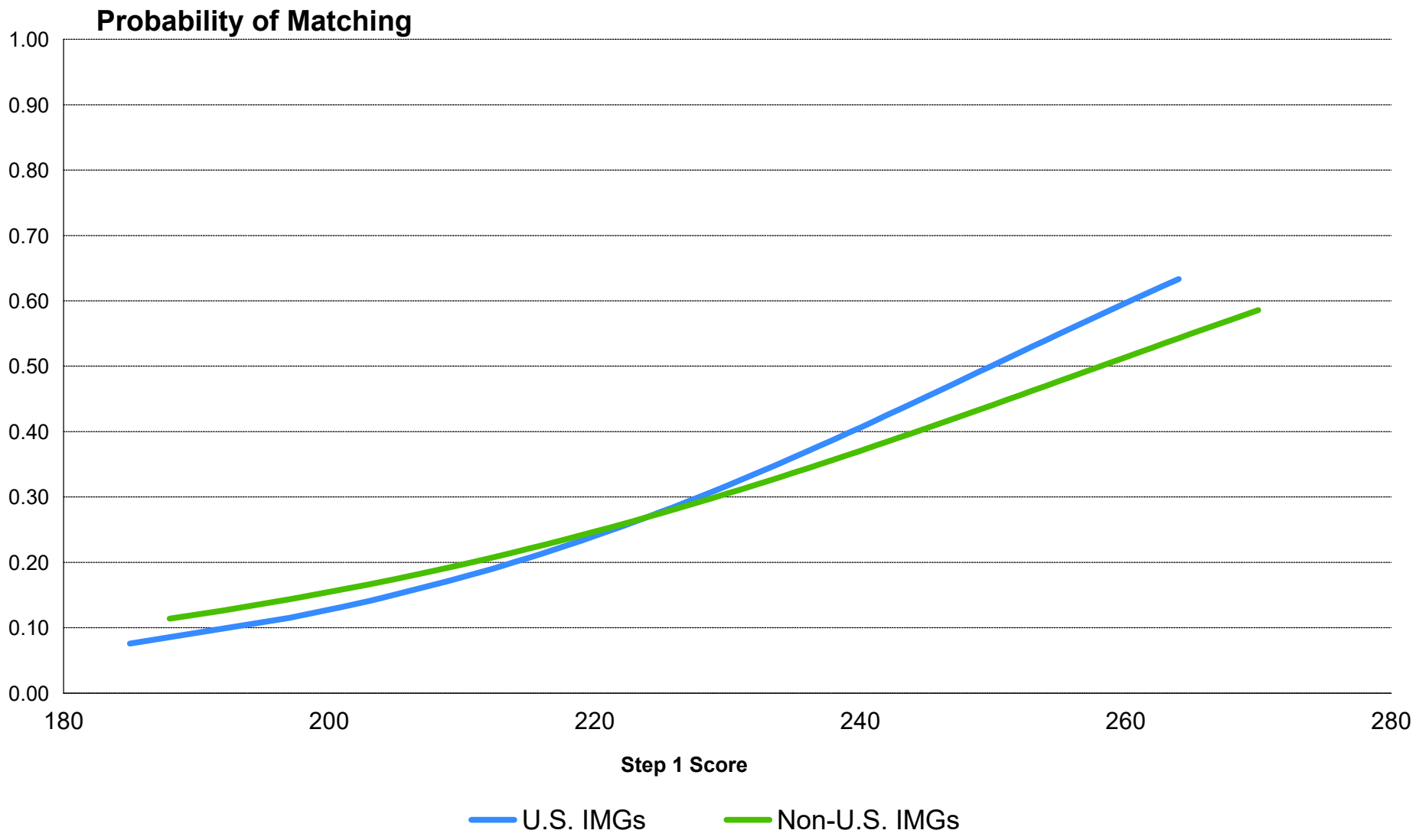
Graph DR-2

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 2022-2024 applicants.

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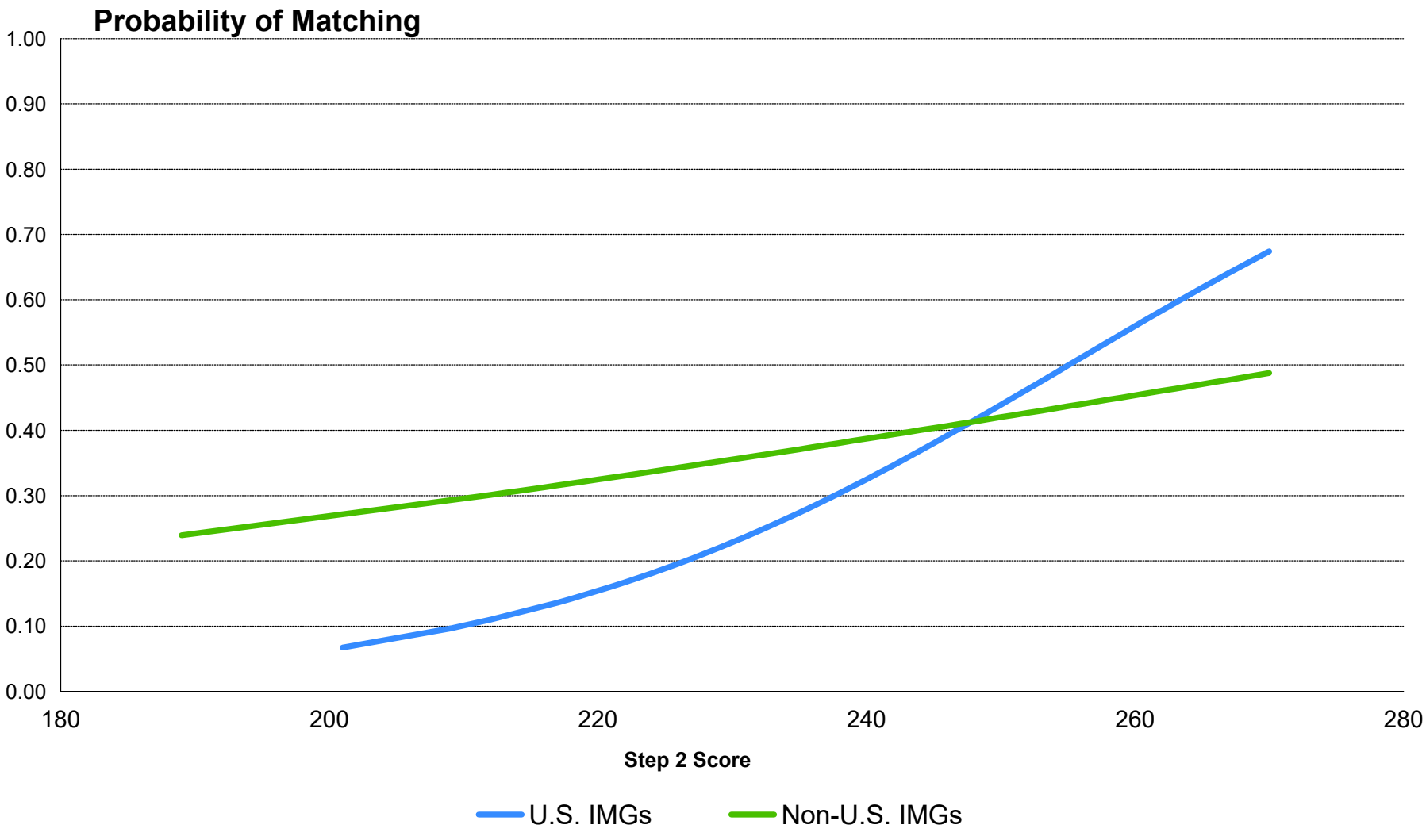
Graph DR-3

Probability of International Medical Graduates Matching to Preferred Specialty by USMLE Step 2 Score

Diagnostic Radiology



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

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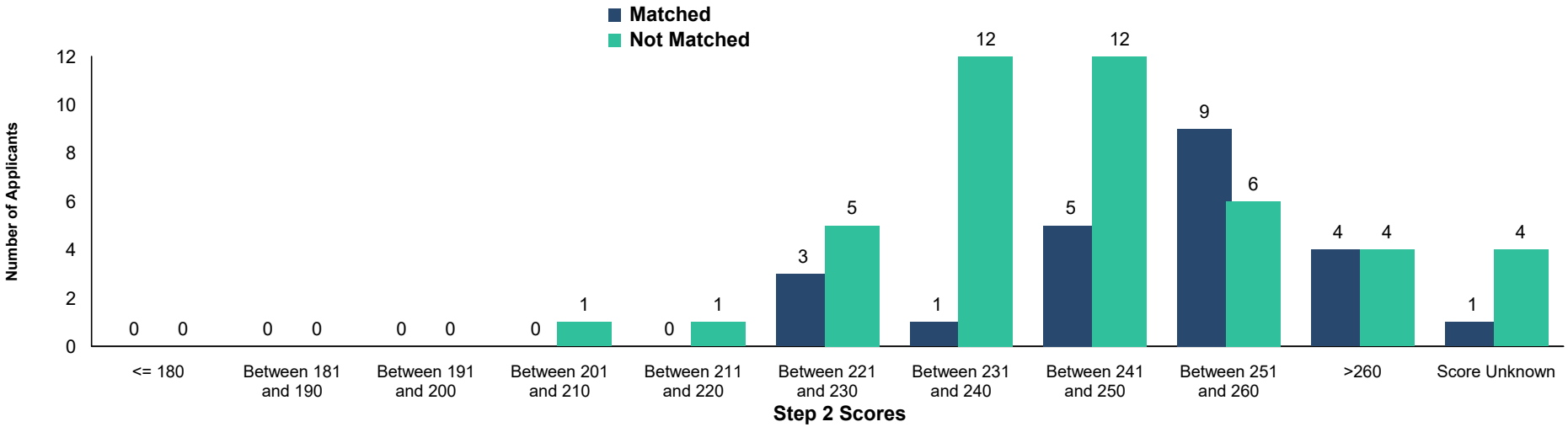
Chart DR-4

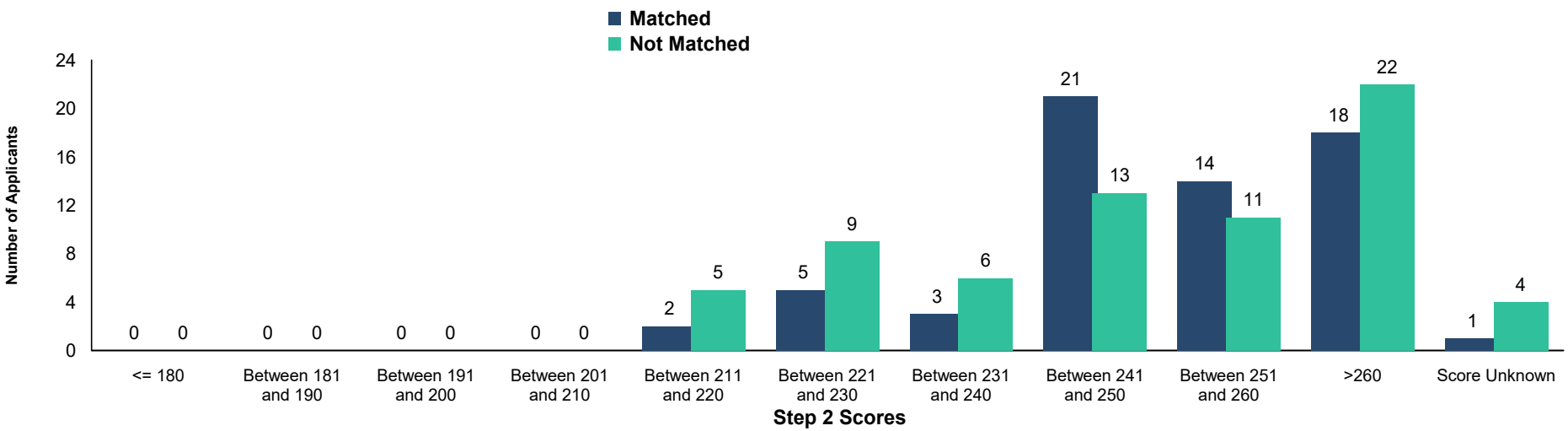
USMLE Step 2 CK Scores of International Medical Graduates

Diagnostic Radiology

U.S. IMGs



Non-U.S. IMGs



Source: NRMP Data Warehouse

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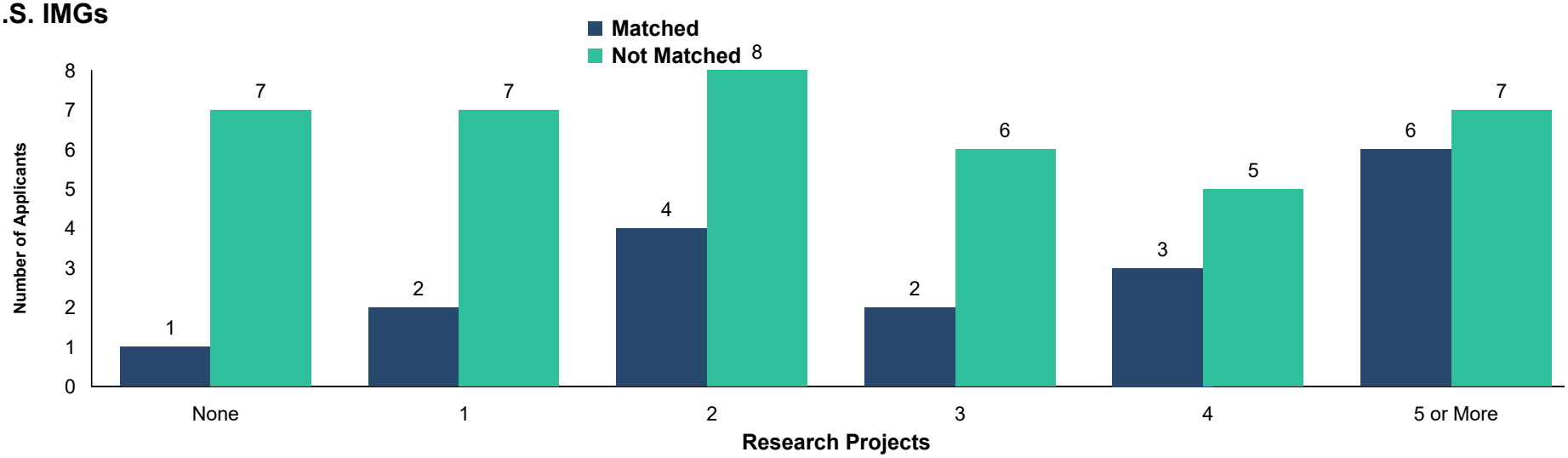
Chart DR-5

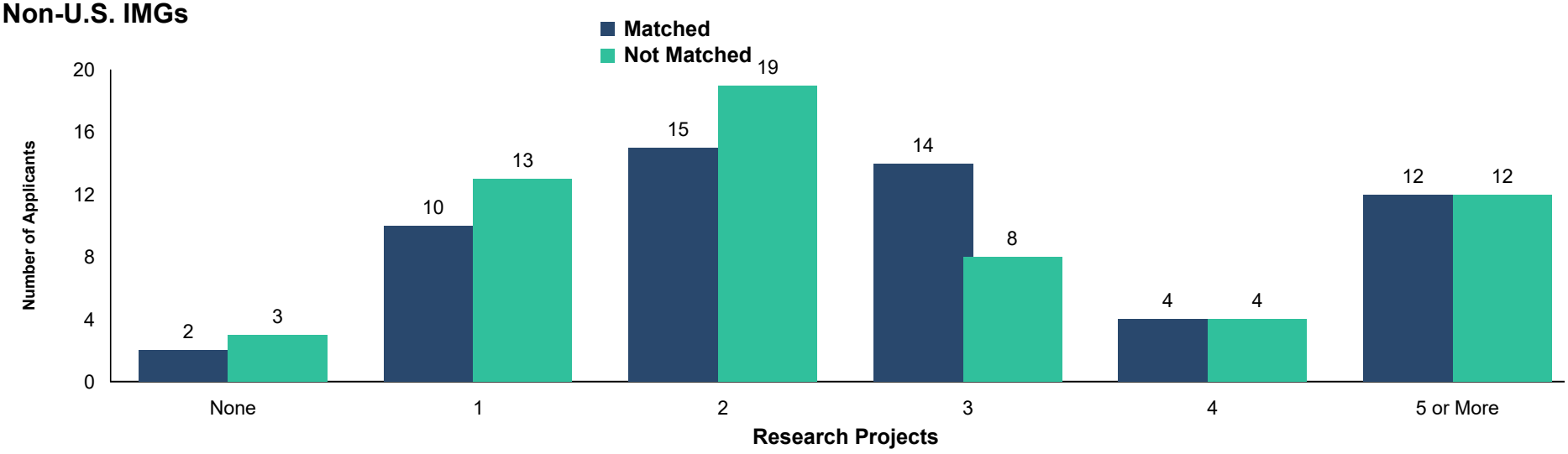
Number of Research Projects of International Medical Graduates

Diagnostic Radiology

U.S. IMGs



Non-U.S. IMGs



Source: NRMP Data Warehouse

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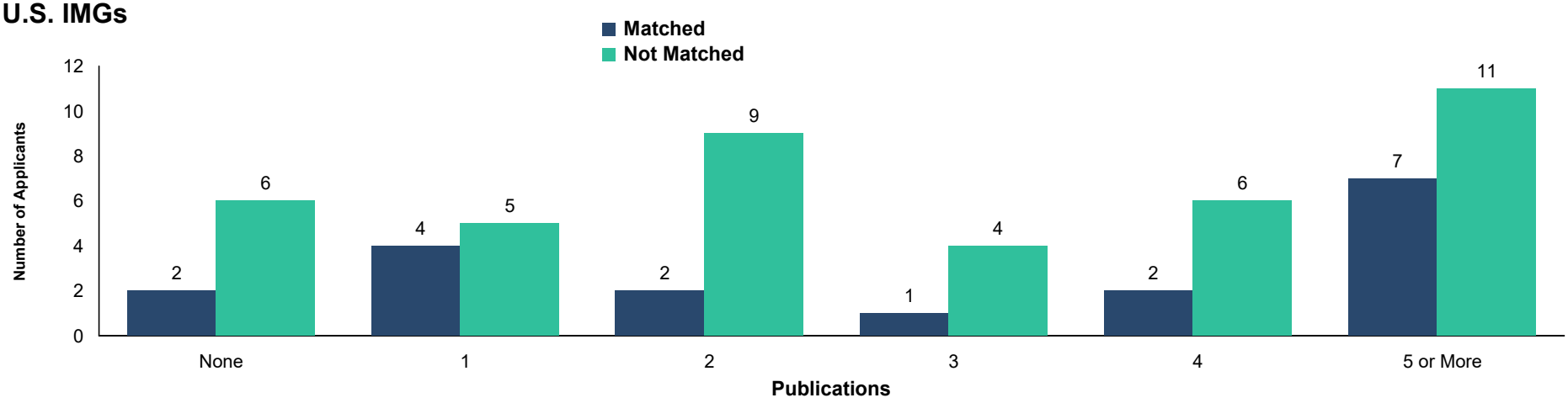
Chart DR-6

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

Diagnostic Radiology

U.S. IMGs



Non-U.S. IMGs

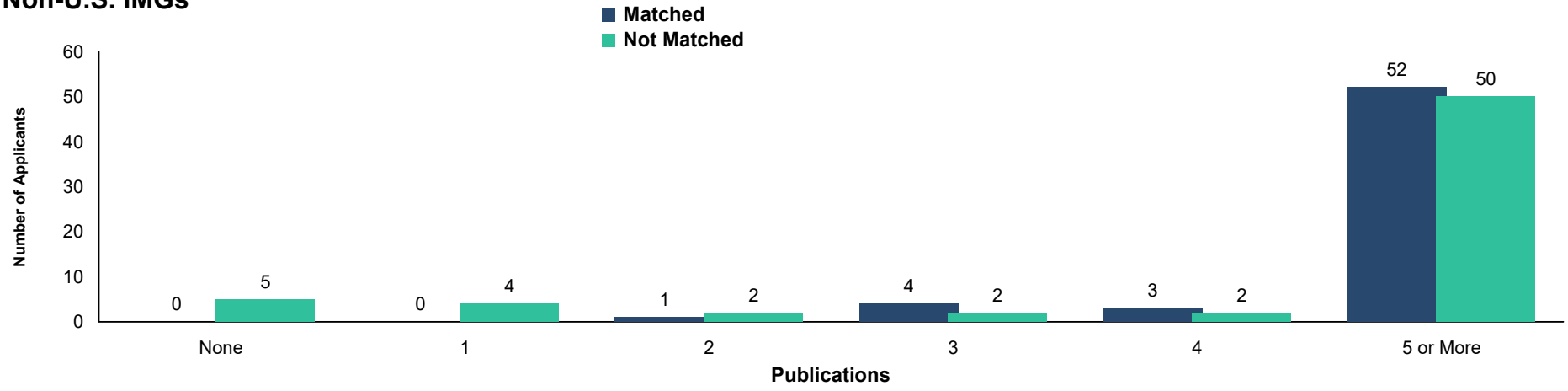


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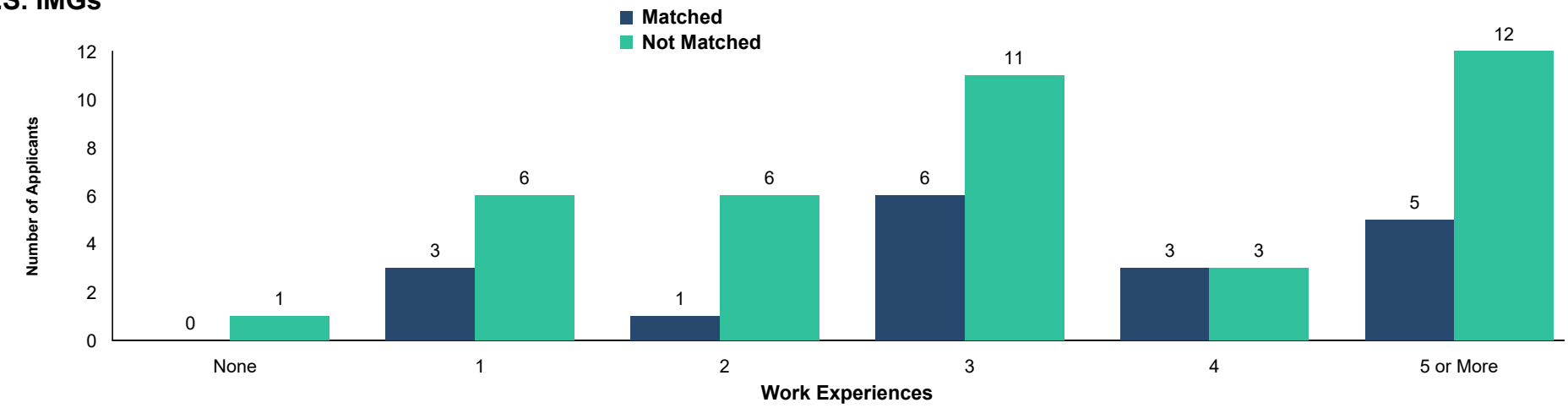
Chart DR-7

Number of Work Experiences of International Medical Graduates

Diagnostic Radiology

U.S. IMGs



Non-U.S. IMGs

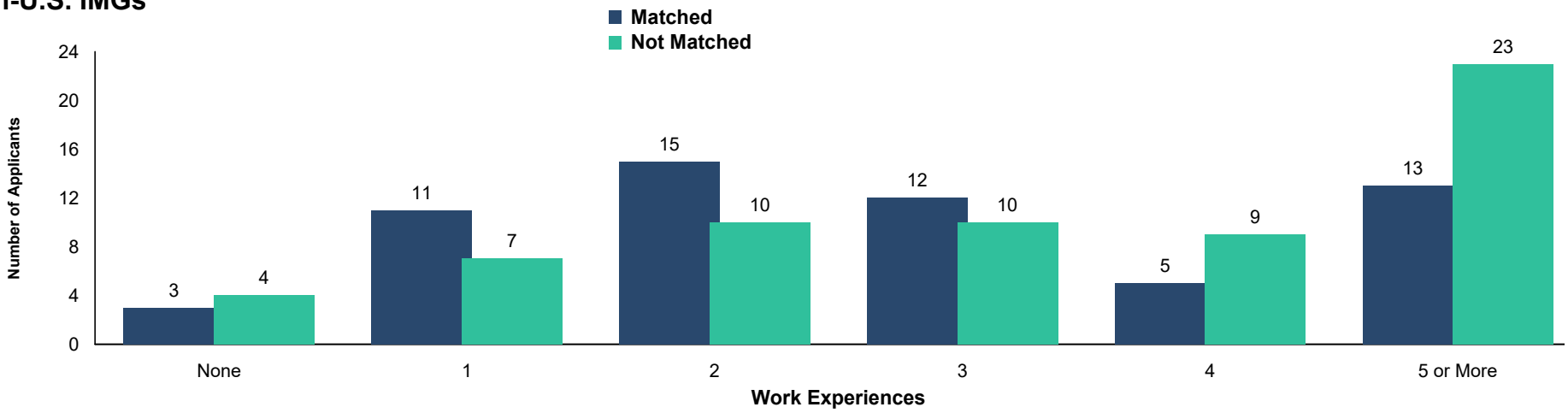


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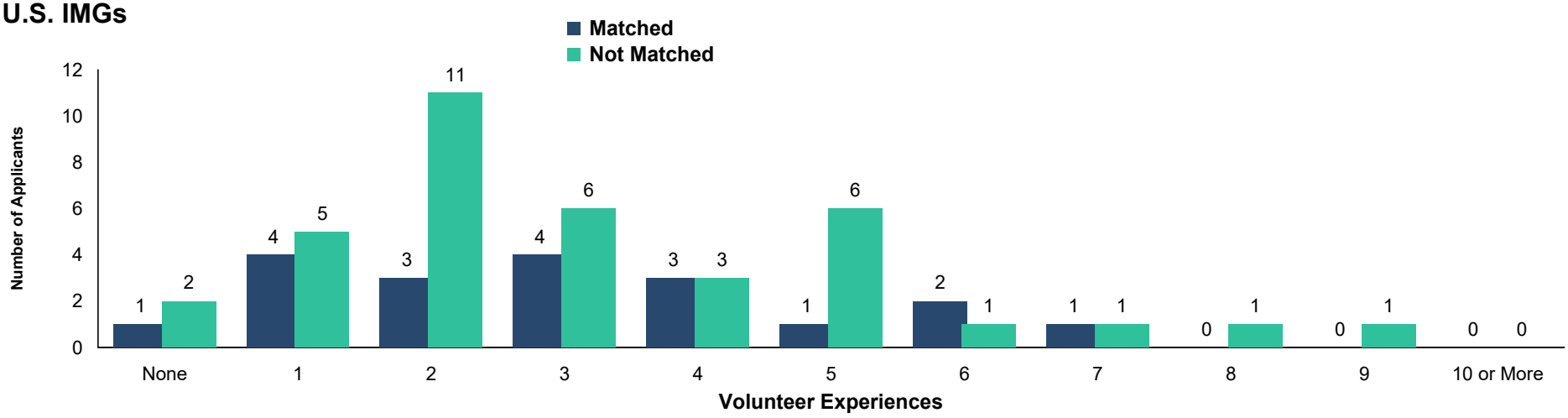
Chart DR-8

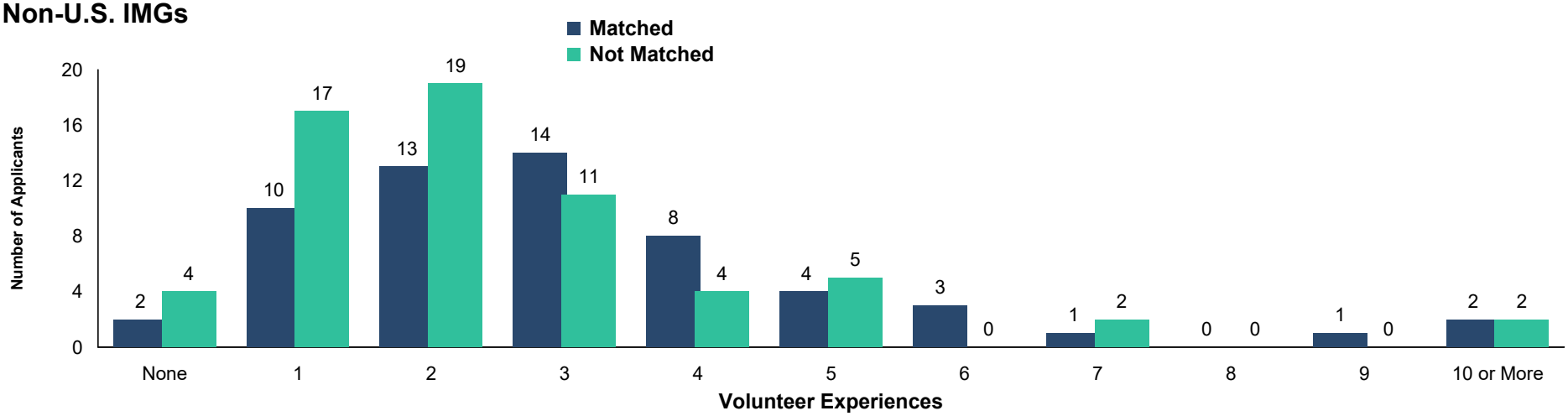
Number of Volunteer Experiences of International Medical Graduates

Diagnostic Radiology

U.S. IMGs



Non-U.S. IMGs



Source: NRMP Data Warehouse

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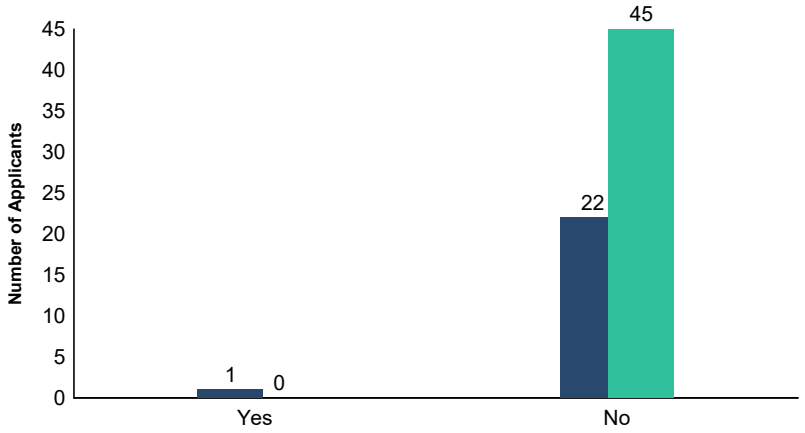
Chart DR-9 Other Characteristics of International Medical Graduates

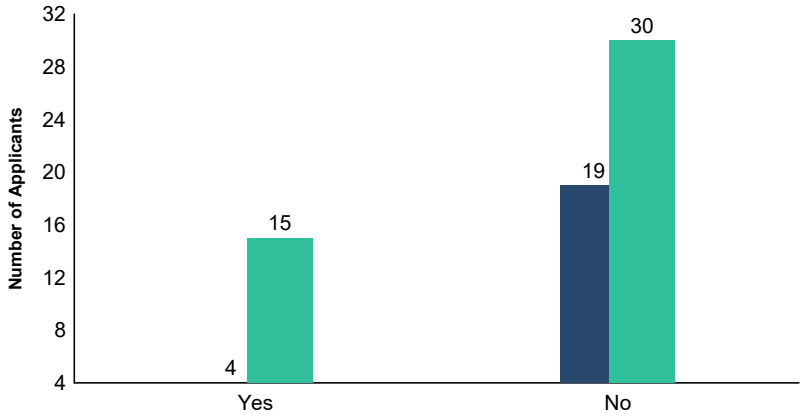
Diagnostic Radiology

U.S. IMGs

Ph.D. Degree

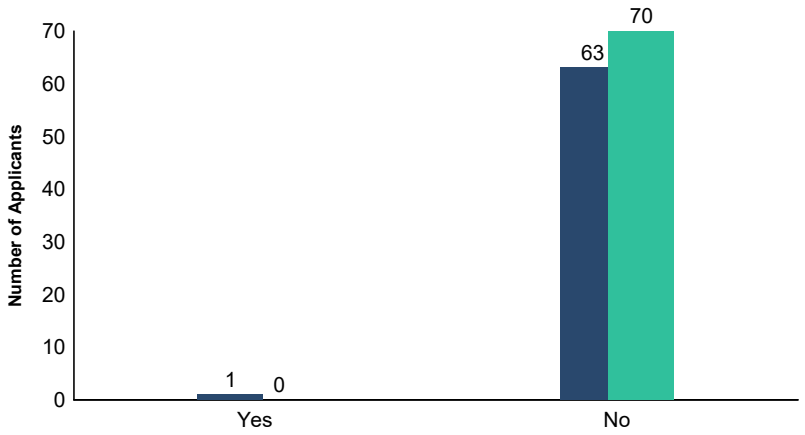


Other Graduate Degree

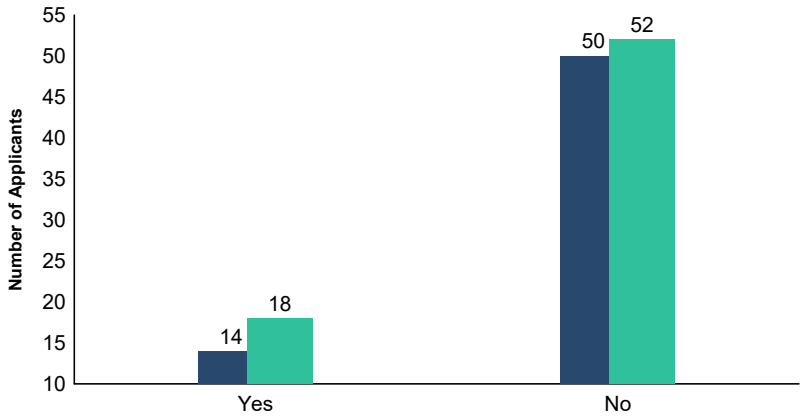


Non-U.S. IMGs

Ph.D. Degree



Other Graduate Degree



Source: NRMP Data Warehouse

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EM Emergency Medicine

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Table EM-1 Summary Statistics
Emergency Medicine

Measure	U.S. IMGs		Non-U.S. IMGs	
	Matched (n=232)	Unmatched (n=56)	Matched (n=84)	Unmatched (n=70)
1. Mean number of contiguous ranks	11.8	1.9	6.7	1.8
2. Mean number of distinct specialties ranked	1.2	1.8	1.5	1.5
3. Mean USMLE Step 1 score*	215	210	226	218
4. Mean USMLE Step 2 score	235	226	239	233
5. Mean number of research experiences	1.5	1.9	2.2	2.3
6. Mean number of abstracts, presentations, and publications	2.4	3.1	8.0	5.1
7. Mean number of work experiences	3.0	4.7	4.2	5.3
8. Mean number of volunteer experiences	3.5	2.6	3.2	2.8
9. Percentage who have a Ph.D. degree	0.5	0.0	0.0	1.6
10. Percentage who have another graduate degree	25.1	32.7	20.5	21.9

Note: * Only applicants who gave consent to use their information in research are included.
*Only applicants who indicated completion of the USMLE Step 1 exam prior to the transition to pass/fail (i.e., prior to January 26, 2022) had the option to self-report their Step 1 numeric score. In 2024, 6,845 IMGs (2,248 U.S. IMGs and 4,597 non-U.S. IMGs) self-reported Step 1 numeric scores.
Source. NRMP Data Warehouse

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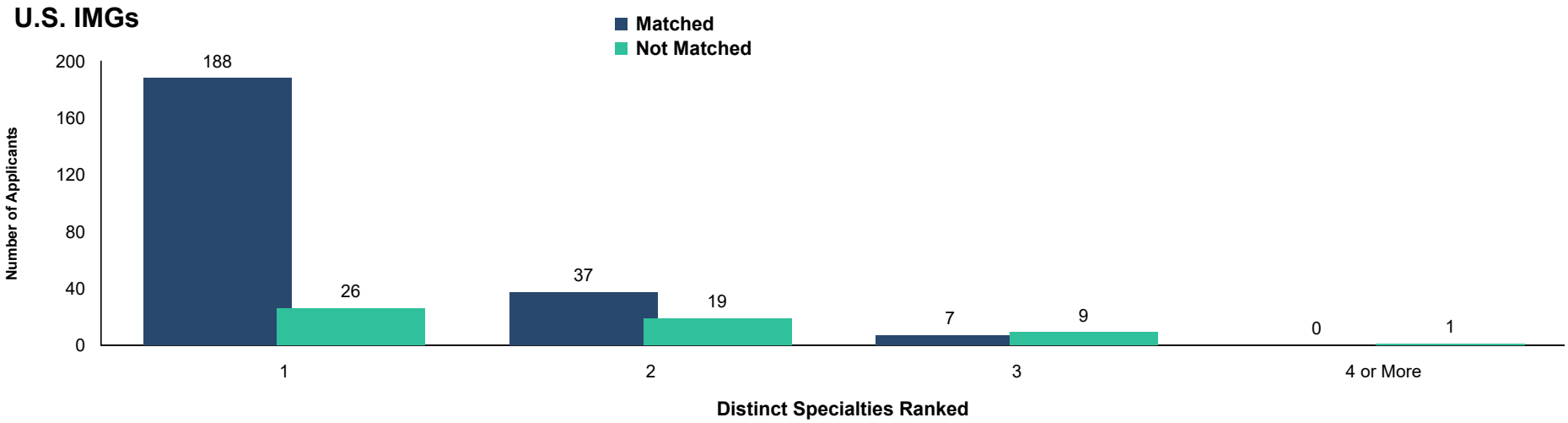
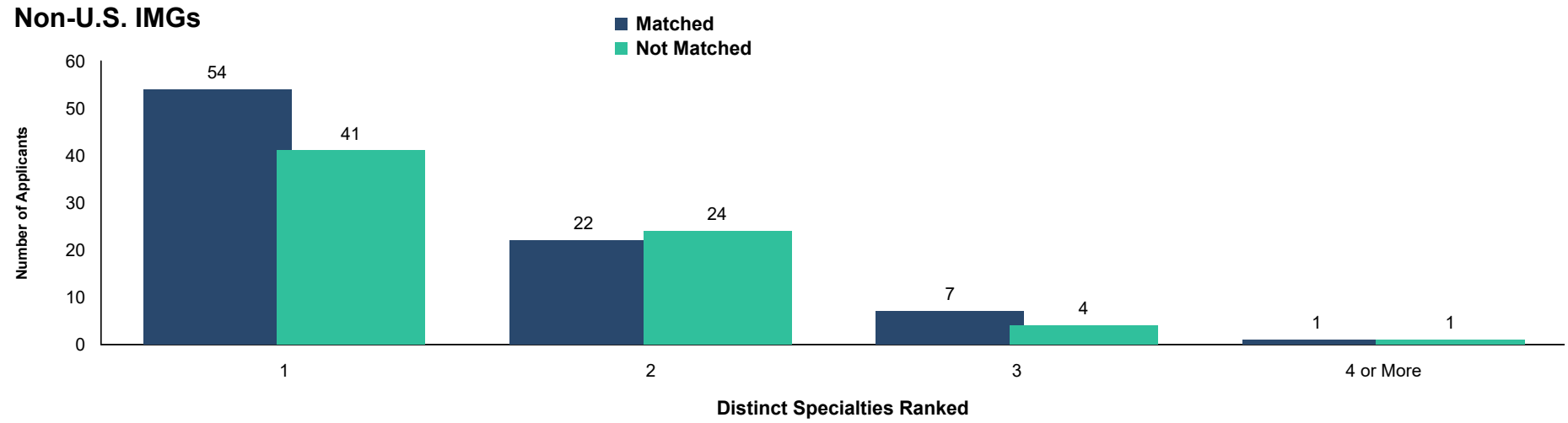
Chart EM-1
Number of Distinct Specialties Ranked by International Medical Graduates
Emergency Medicine





Source: NRMP Data Warehouse

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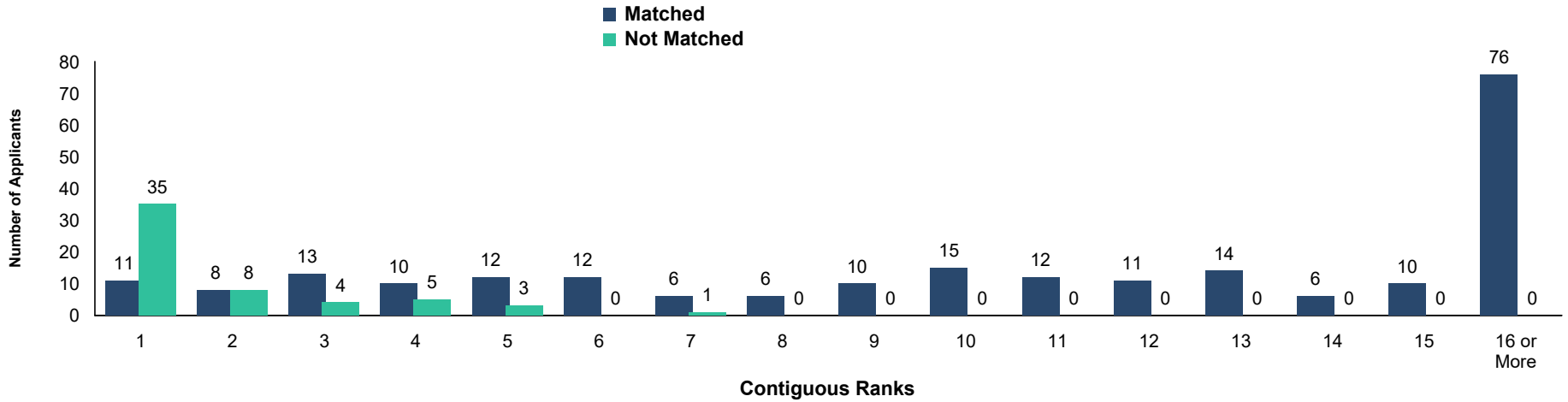
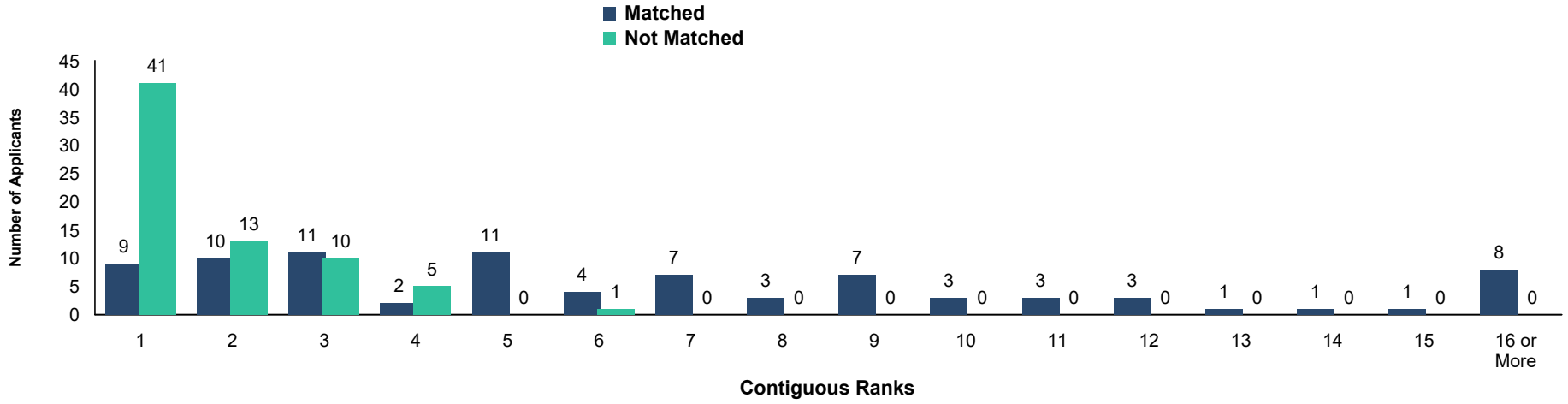
Chart EM-2 Number of Contiguous Ranks of International Medical Graduates Emergency Medicine

U.S. IMGs



Non-U.S. IMGs



Source: NRMP Data Warehouse

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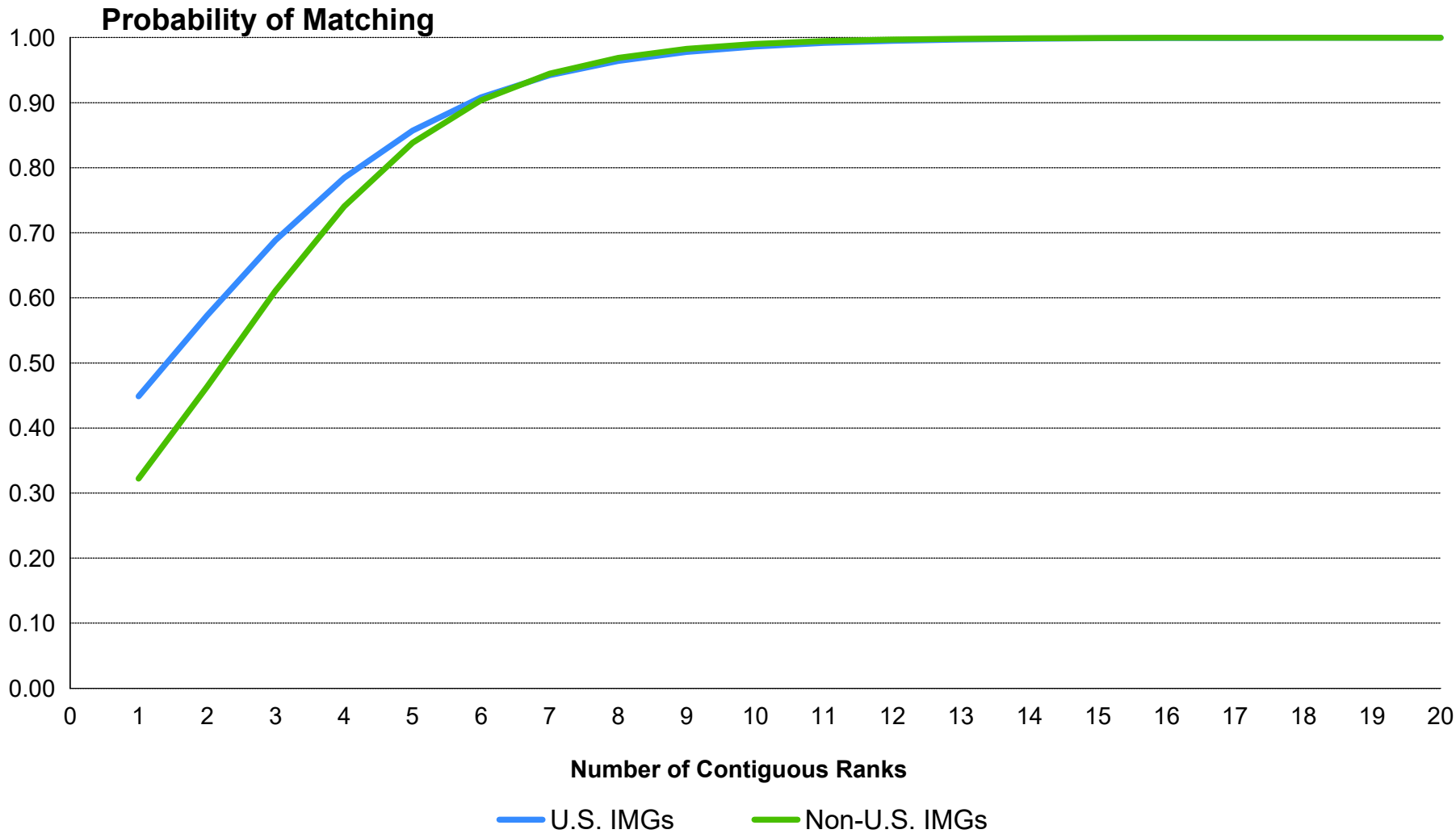
Graph EM-1

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 2022-2024 applicants

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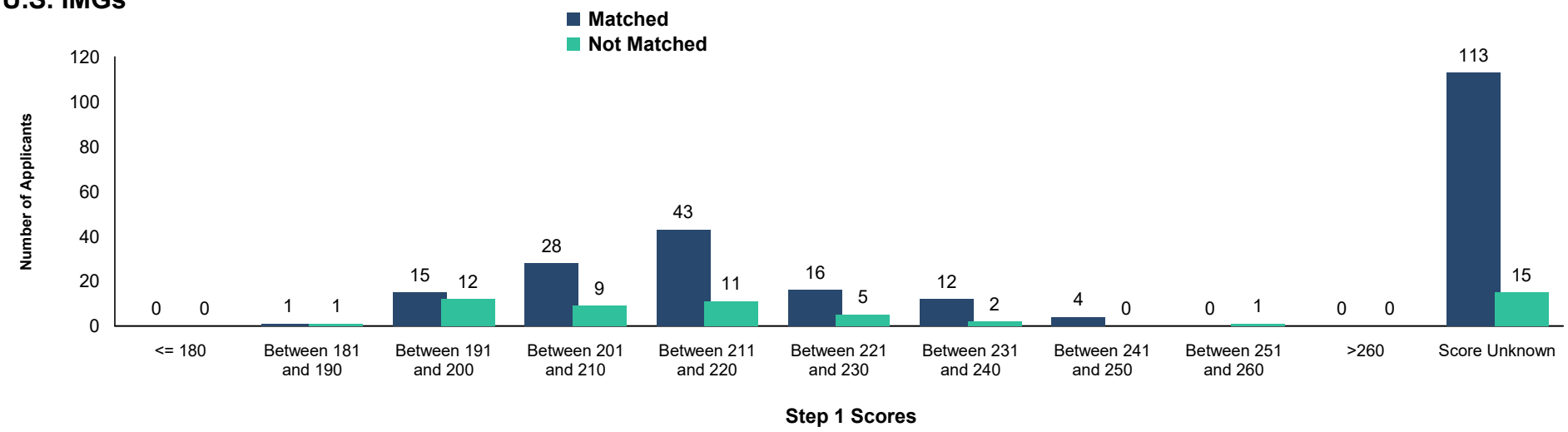
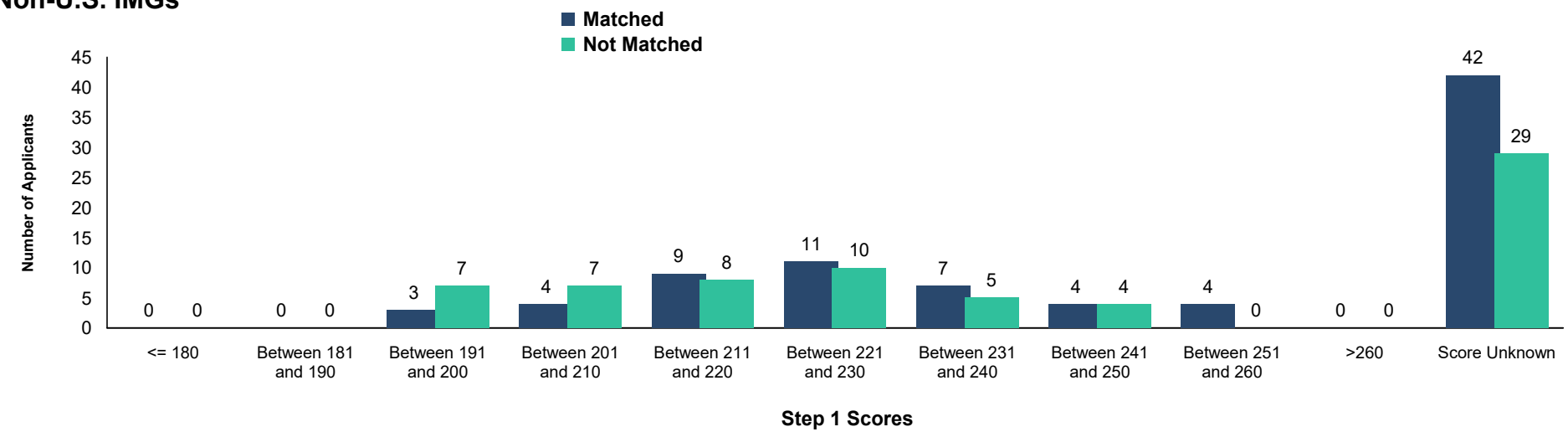
Chart EM-3 USMLE Step 1 Scores of International Medical Graduates

Emergency Medicine

U.S. IMGs



Non-U.S. IMGs



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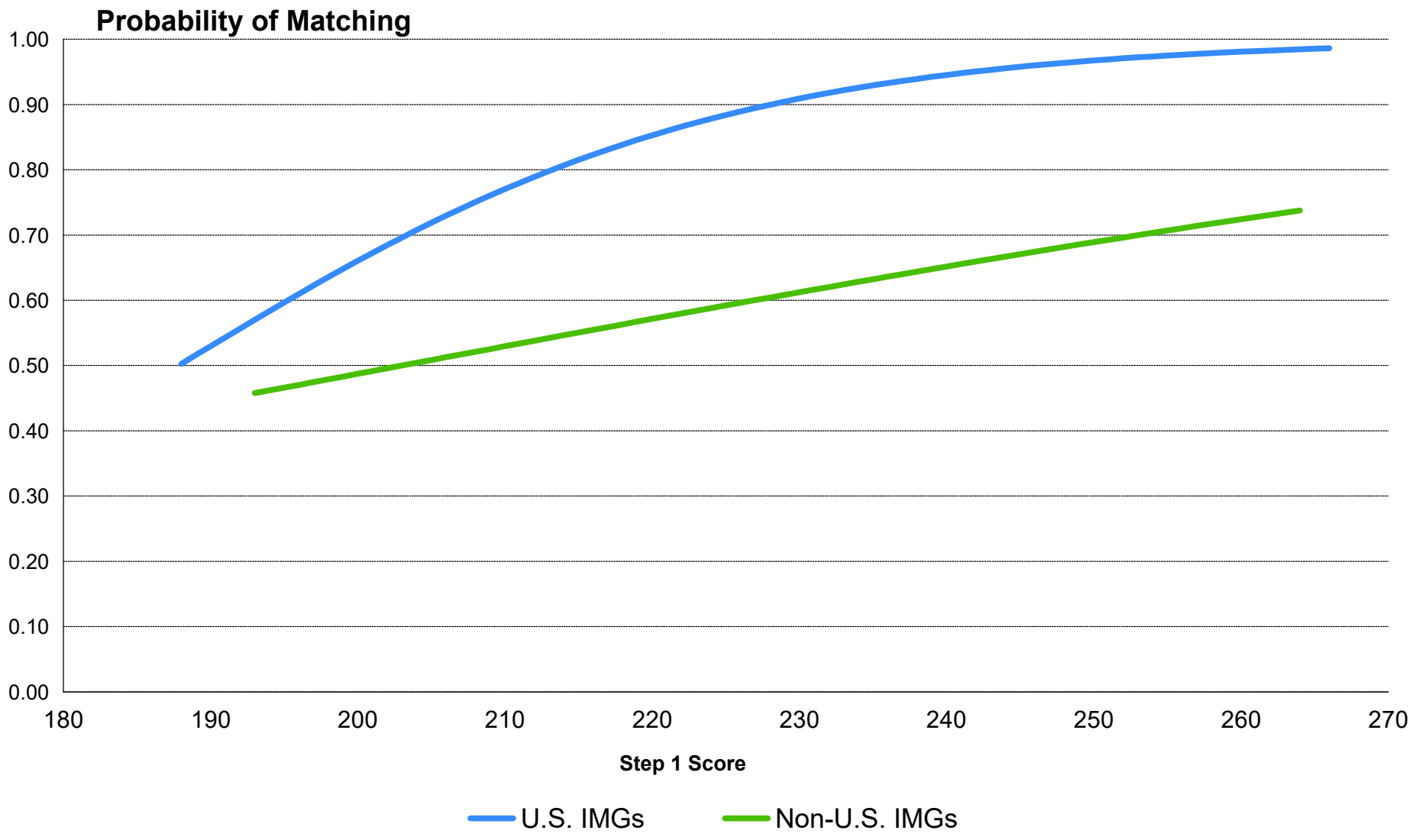
Graph EM-2

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 2022-2024 applicants.

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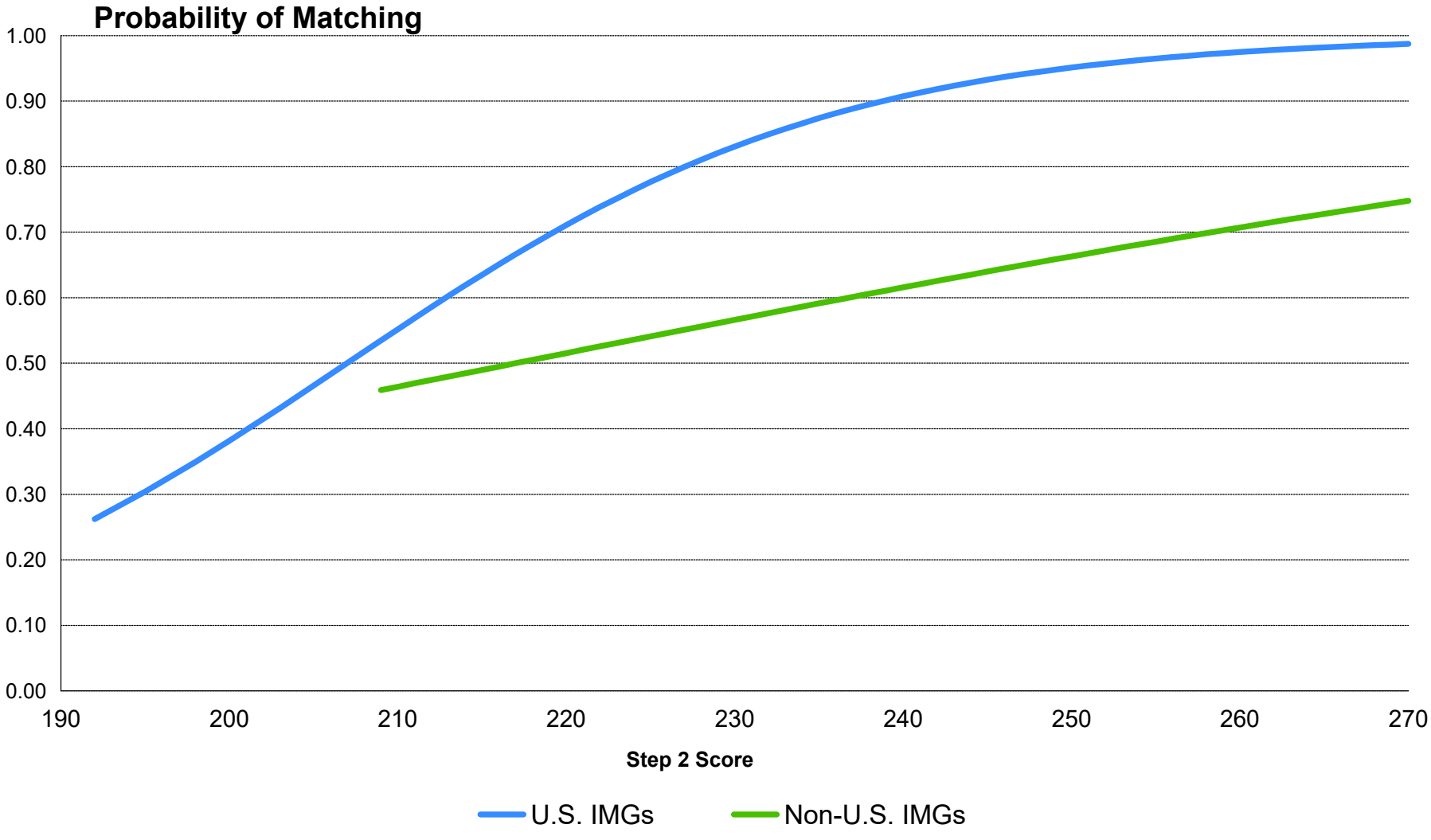
Graph EM-3

Probability of International Medical Graduates Matching to Preferred Specialty by USMLE Step 2 Score

Emergency Medicine



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

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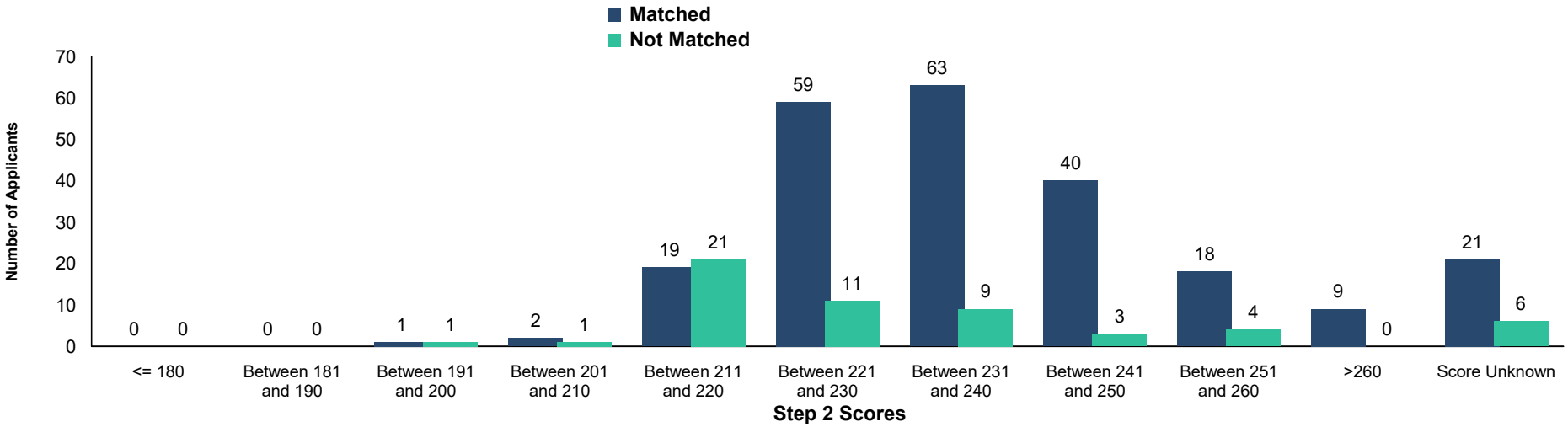
Chart EM-4

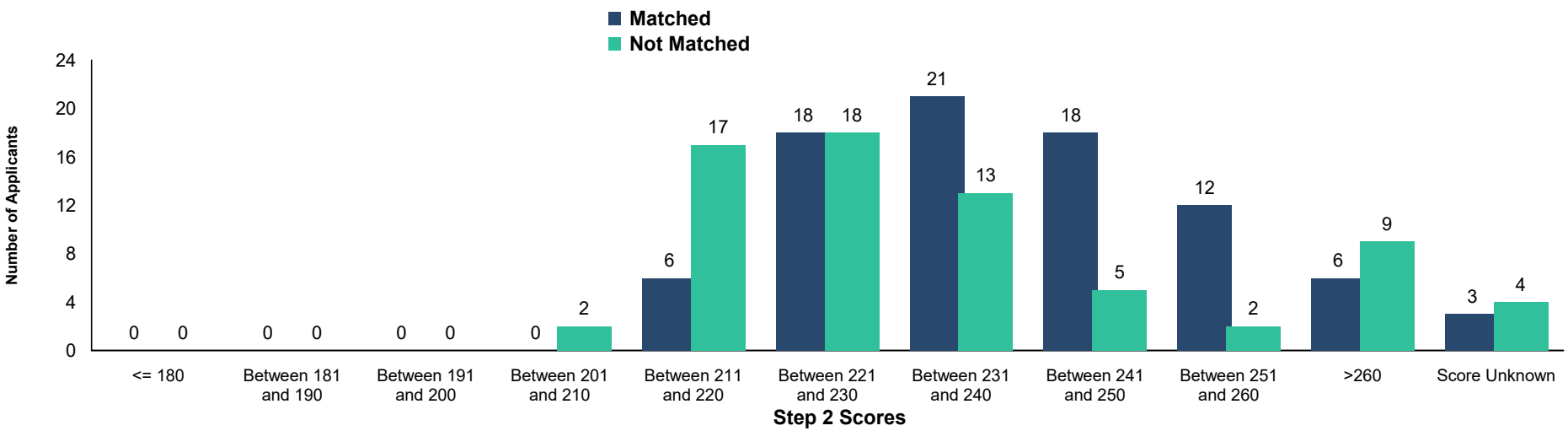
USMLE Step 2 CK Scores of International Medical Graduates

Emergency Medicine

U.S. IMGs



Non-U.S. IMGs



Source: NRMP Data Warehouse

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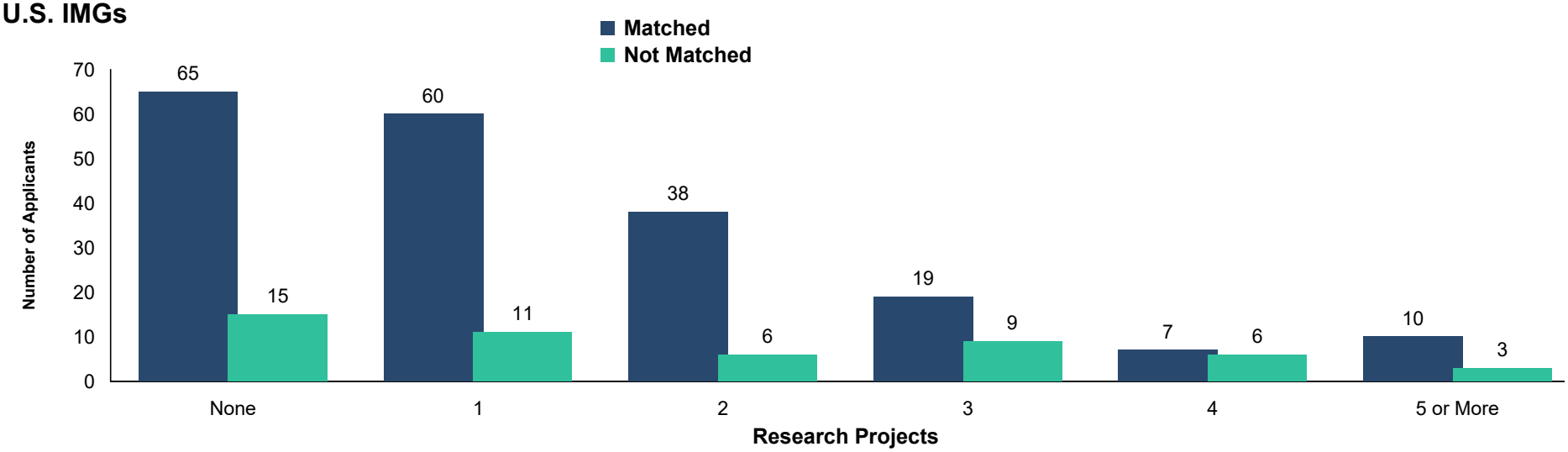
Chart EM-5

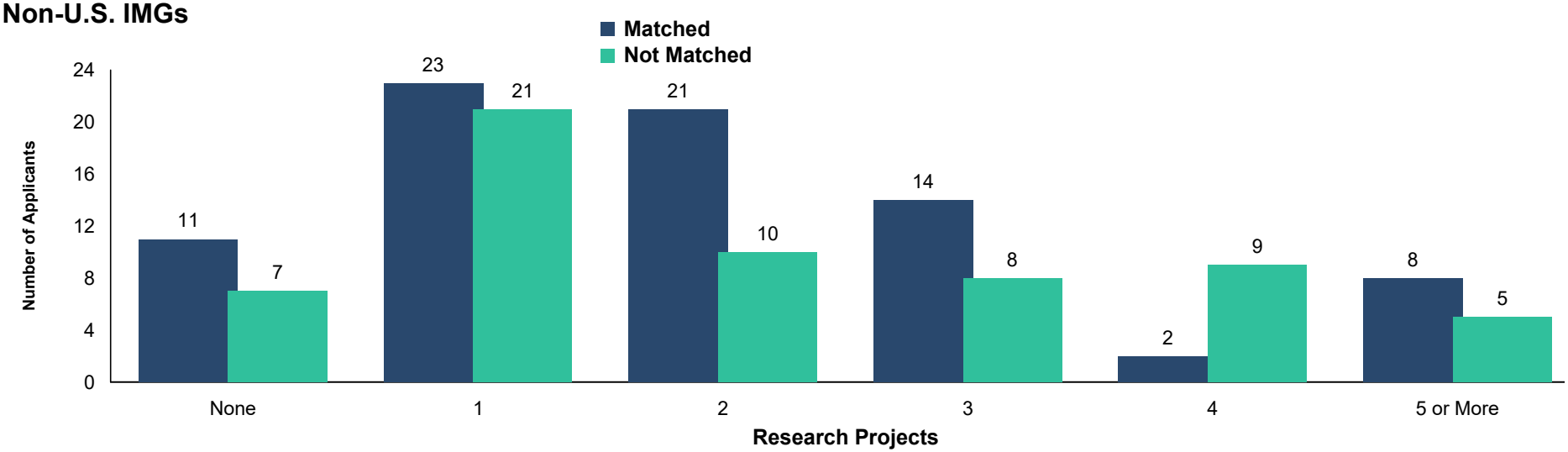
Number of Research Projects of International Medical Graduates

Emergency Medicine

U.S. IMGs



Non-U.S. IMGs



Source: NRMP Data Warehouse

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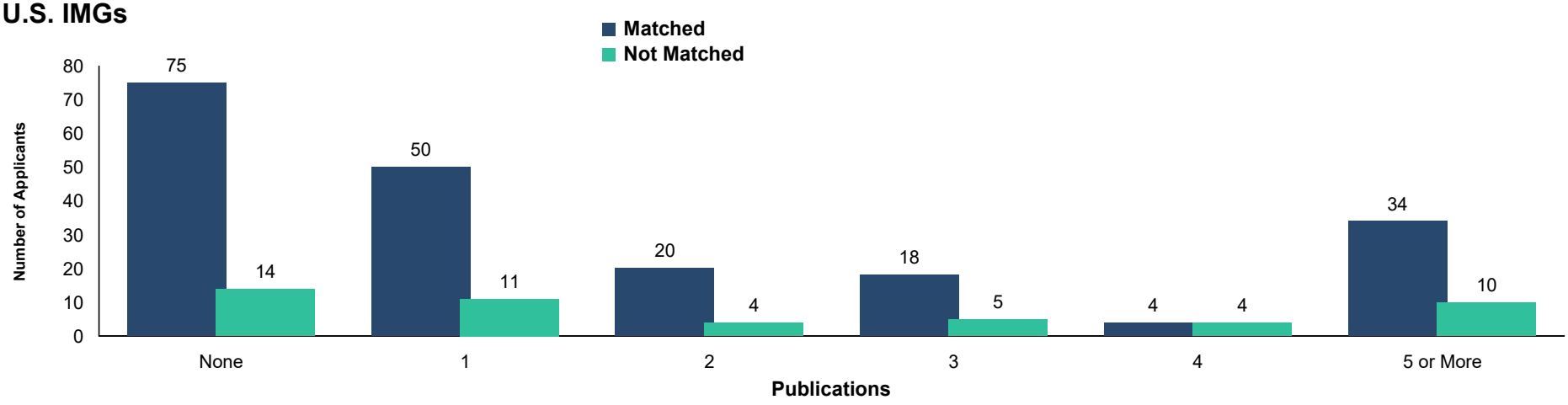
Chart EM-6

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

Emergency Medicine

U.S. IMGs



Non-U.S. IMGs

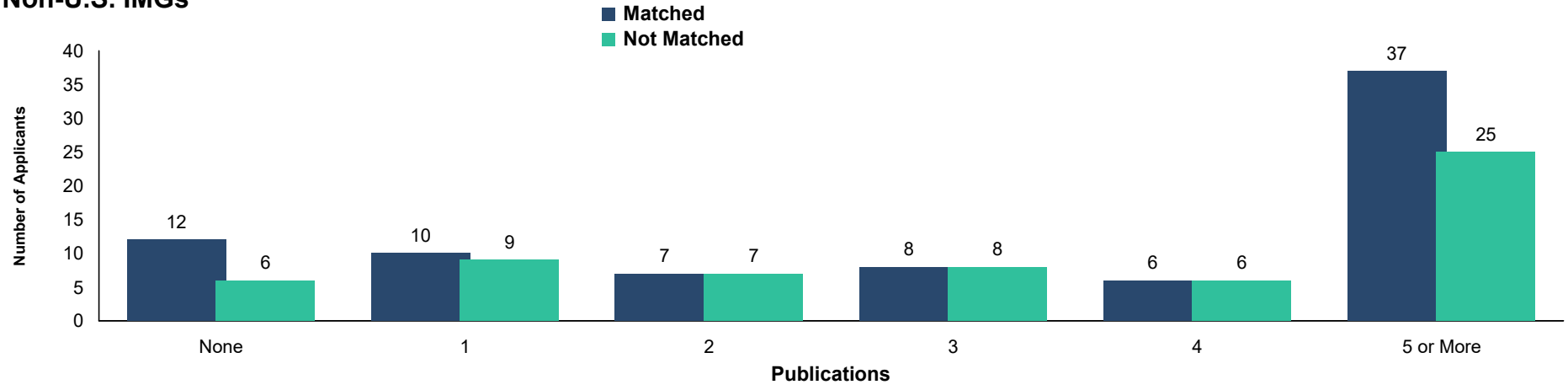


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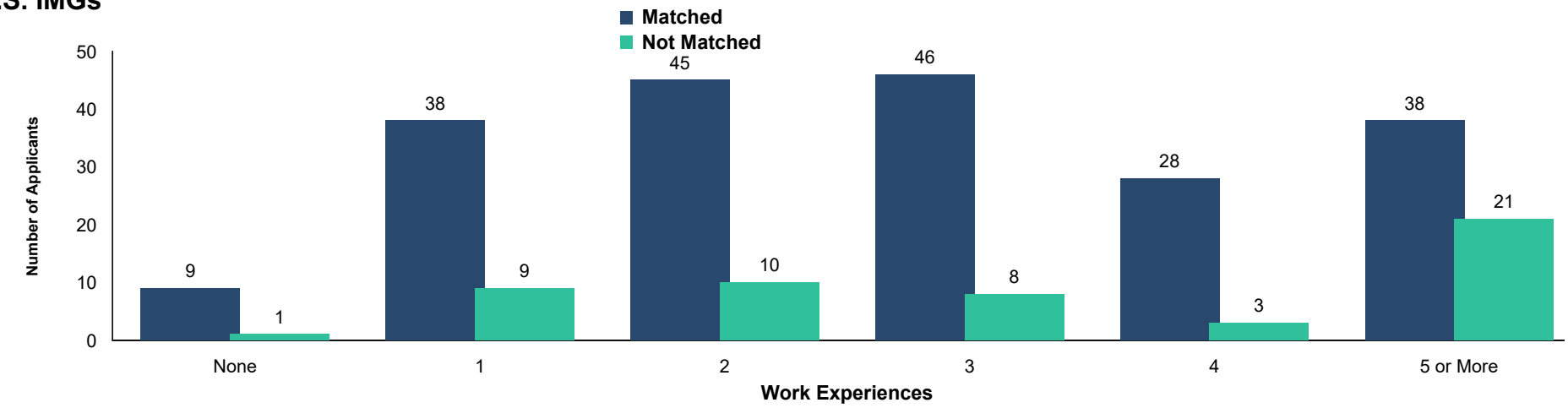
Chart EM-7

Number of Work Experiences of International Medical Graduates

Emergency Medicine

U.S. IMGs



Non-U.S. IMGs

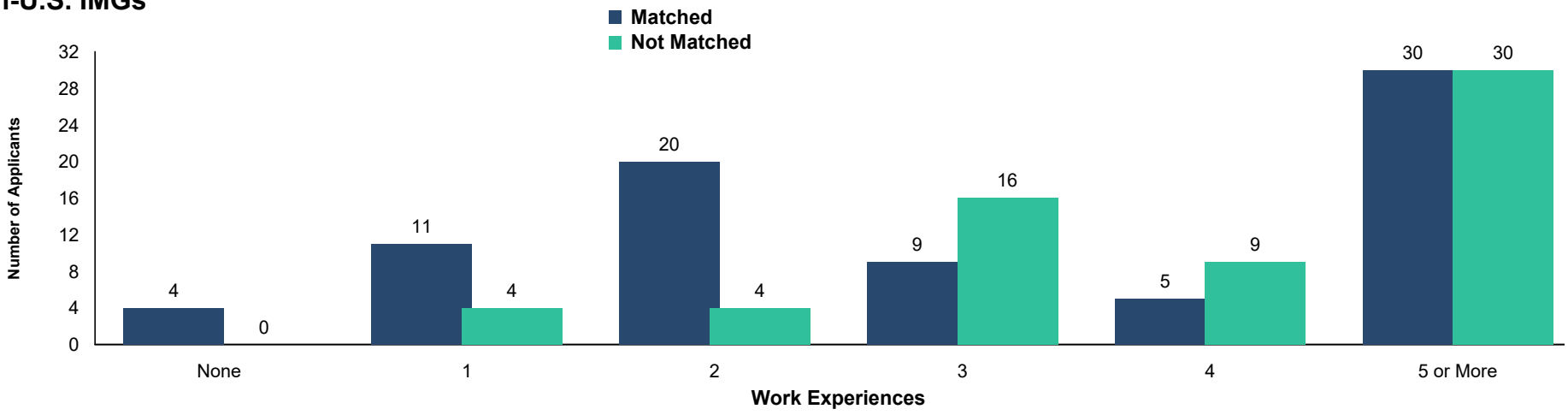


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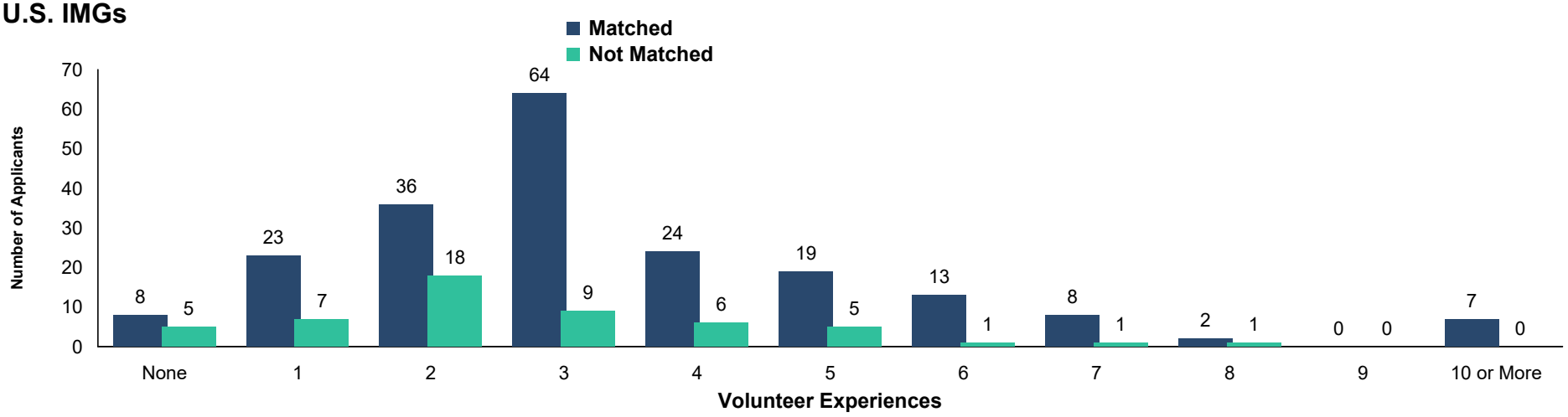
Chart EM-8

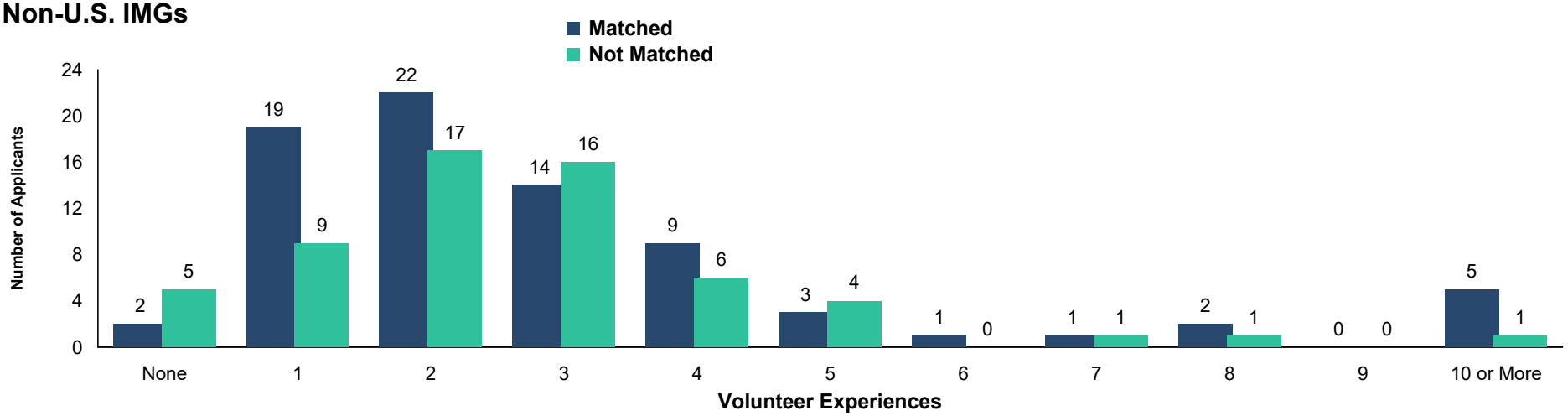
Number of Volunteer Experiences of International Medical Graduates

Emergency Medicine

U.S. IMGs



Non-U.S. IMGs



Source: NRMP Data Warehouse

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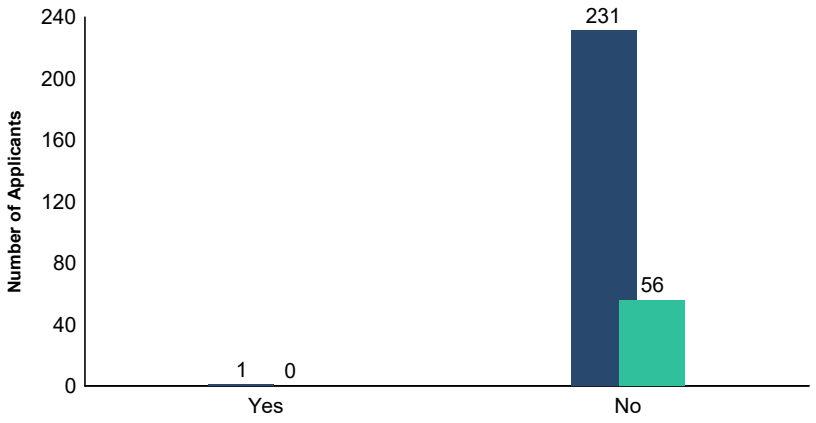
Chart EM-9 Other Characteristics of International Medical Graduates

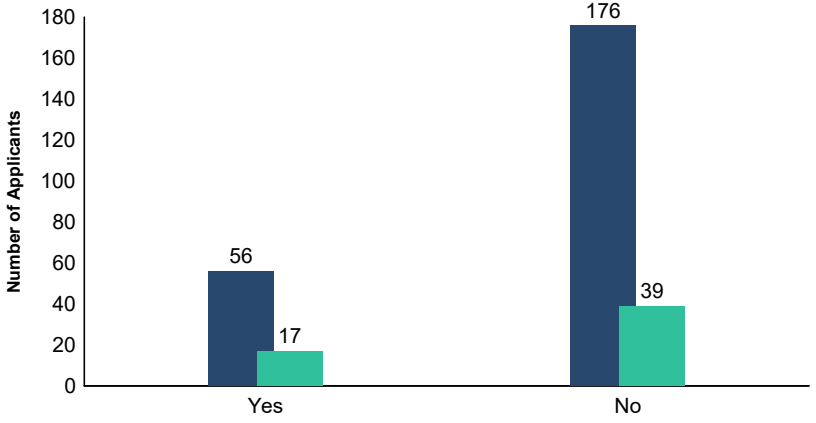
Emergency Medicine

U.S. IMGs

Ph.D. Degree

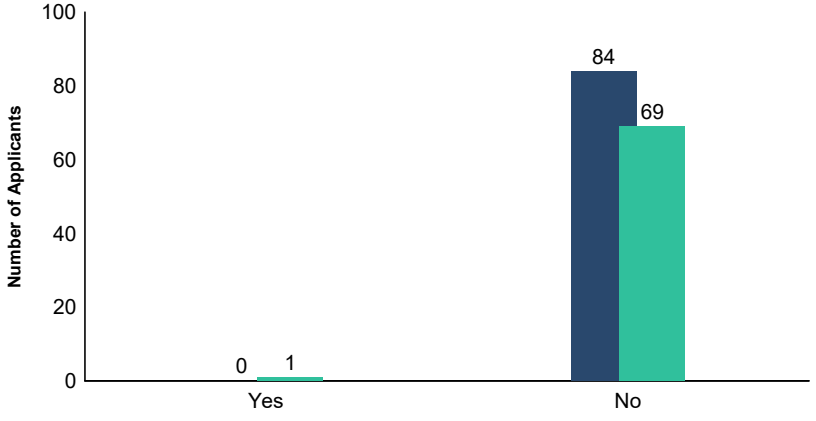


Other Graduate Degree

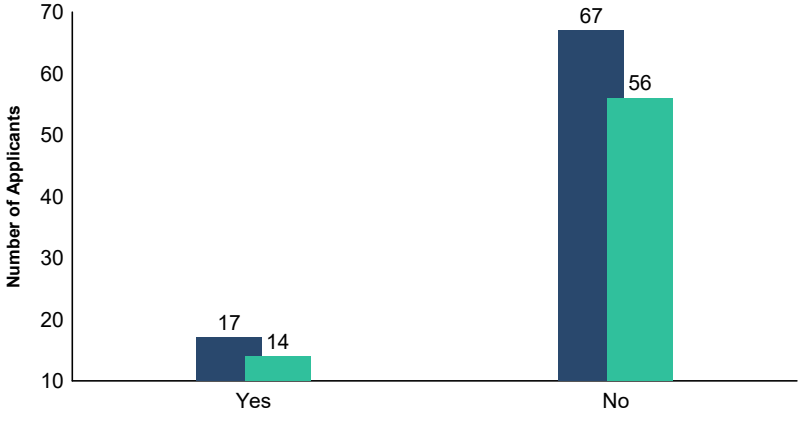


Non-U.S. IMGs

Ph.D. Degree



Other Graduate Degree



Source: NRMP Data Warehouse

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FM Family Medicine

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Table FM-1 Summary Statistics
Family Medicine

Measure	U.S. IMGs		Non-U.S. IMGs	
	Matched (n=470)	Unmatched (n=223)	Matched (n=386)	Unmatched (n=250)
1. Mean number of contiguous ranks	8.7	2.3	5.6	1.8
2. Mean number of distinct specialties ranked	1.3	1.4	1.3	1.3
3. Mean USMLE Step 1 score*	209	207	217	212
4. Mean USMLE Step 2 score	228	220	231	227
5. Mean number of research experiences	1.8	2.6	2.0	3.8
6. Mean number of abstracts, presentations, and publications	2.7	6.2	3.7	4.5
7. Mean number of work experiences	4.7	5.6	4.2	5.3
8. Mean number of volunteer experiences	3.8	3.3	3.4	3.1
9. Percentage who have a Ph.D. degree	0.2	4.2	1.7	2.6
10. Percentage who have another graduate degree	22.7	33.2	24.1	25.8

Note: * Only applicants who gave consent to use their information in research are included.
*Only applicants who indicated completion of the USMLE Step 1 exam prior to the transition to pass/fail (i.e., prior to January 26, 2022) had the option to self-report their Step 1 numeric score. In 2024, 6,845 IMGs (2,248 U.S. IMGs and 4,597 non-U.S. IMGs) self-reported Step 1 numeric scores.
Source. NRMP Data Warehouse

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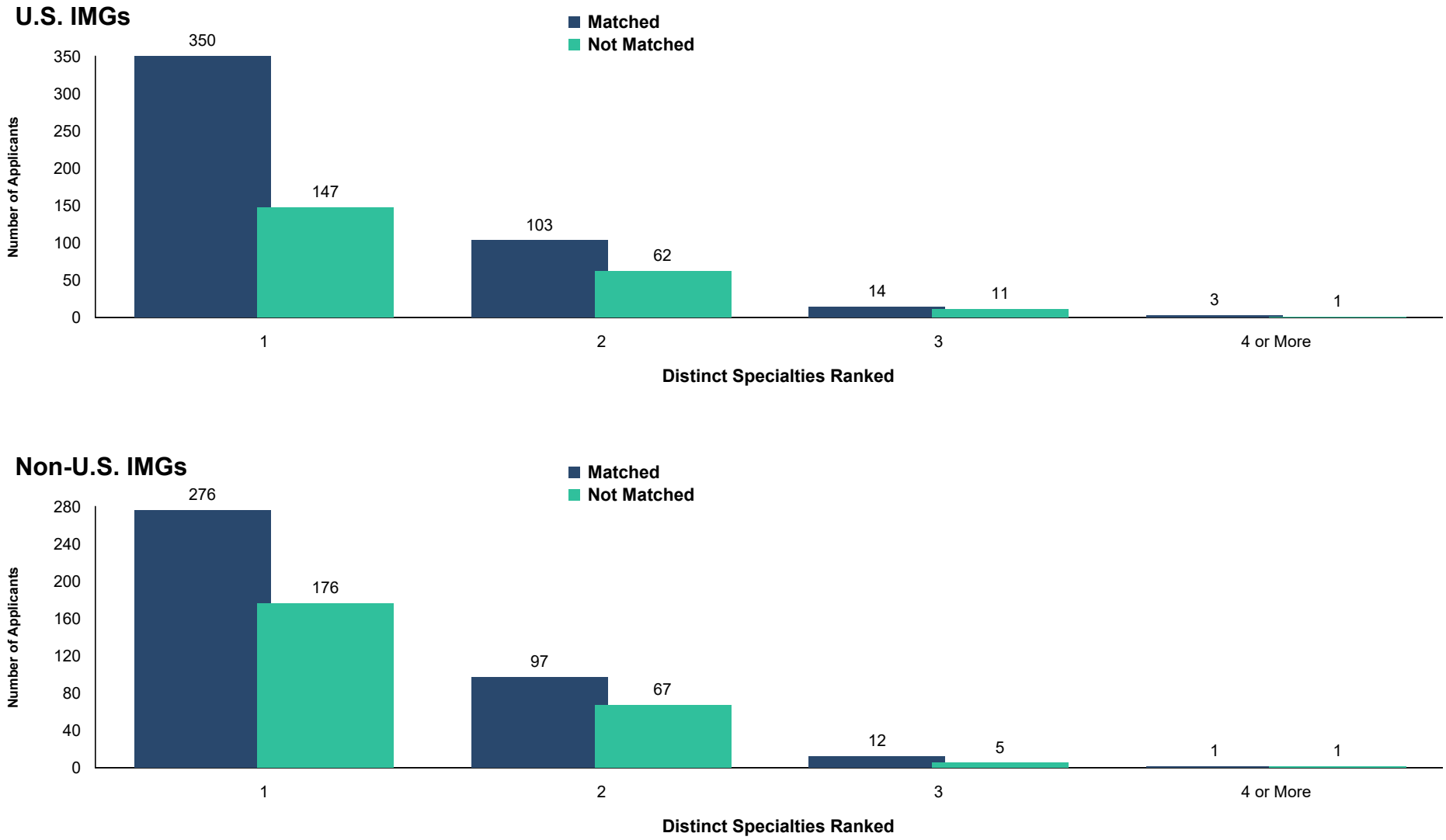
Chart FM-1 Number of Distinct Specialties Ranked by International Medical Graduates Family Medicine



Source: NRMP Data Warehouse

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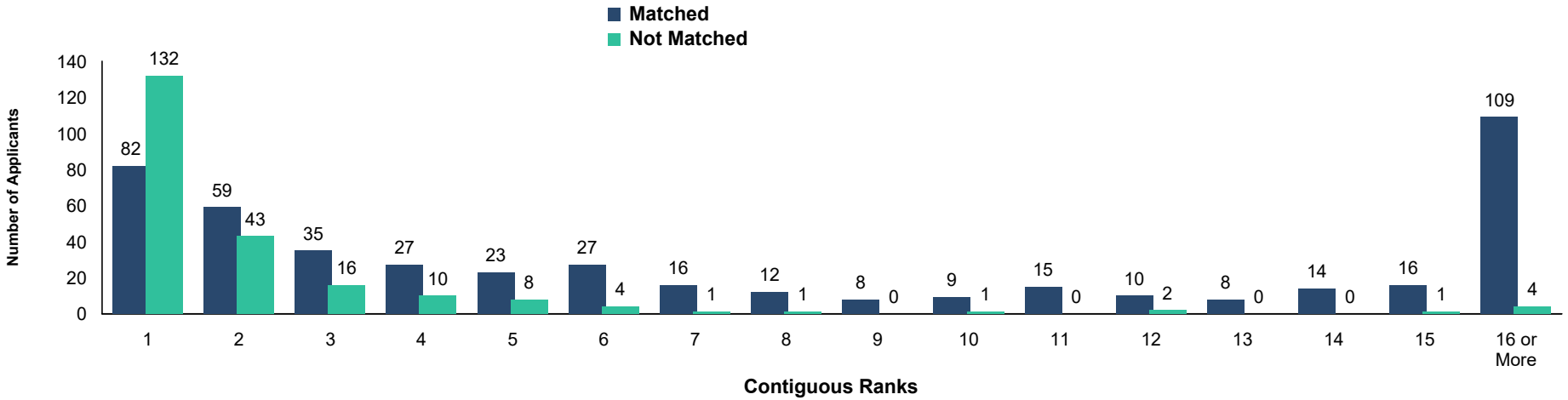
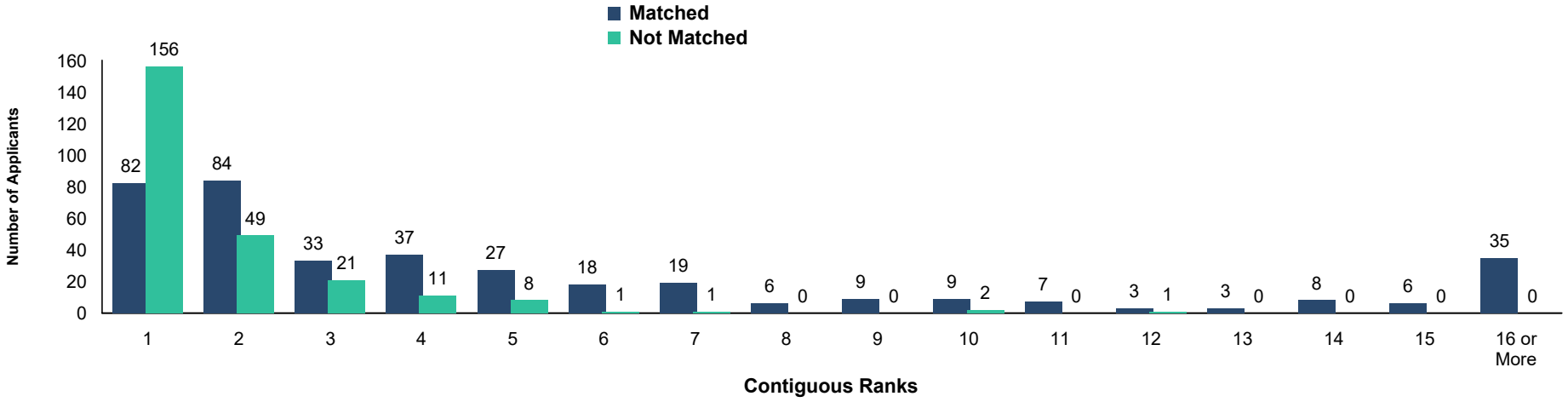
Chart FM-2 Number of Contiguous Ranks of International Medical Graduates Family Medicine

U.S. IMGs



Non-U.S. IMGs



Source: NRMP Data Warehouse

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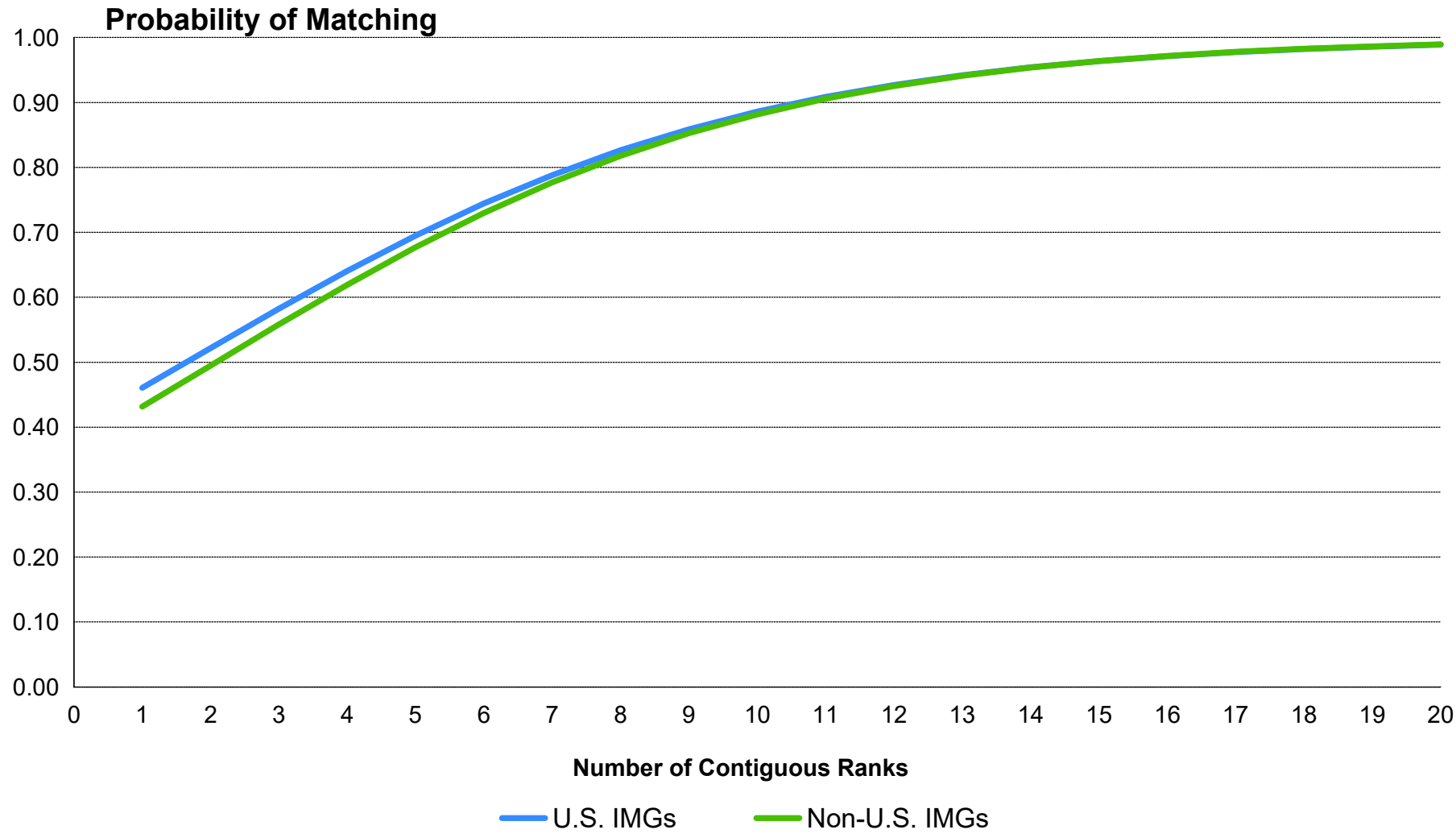
Graph FM-1

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 2022-2024 applicants

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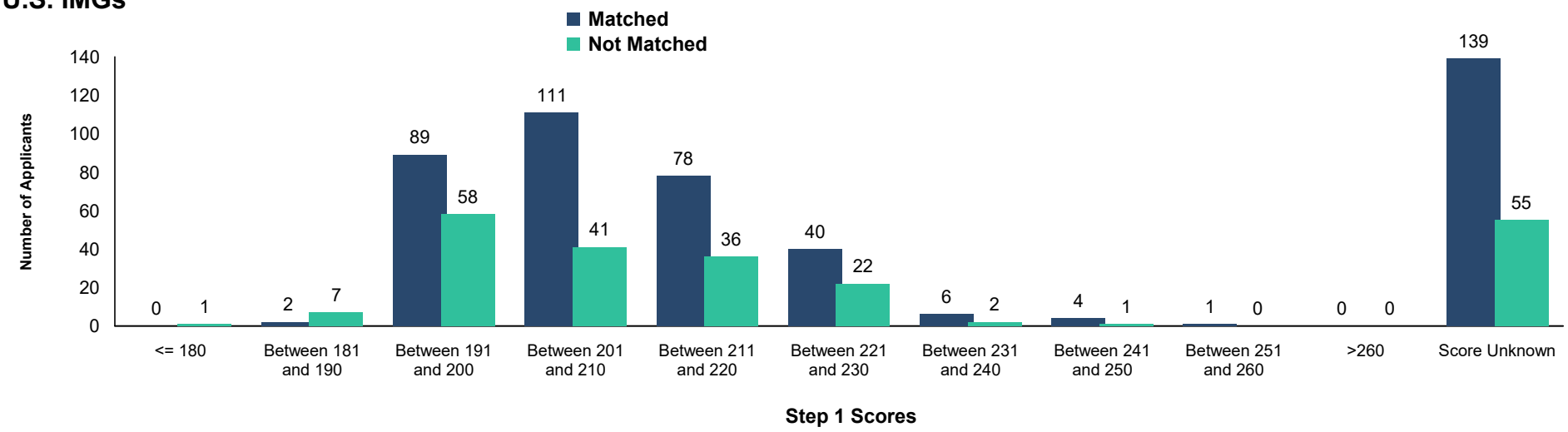
Chart FM-3

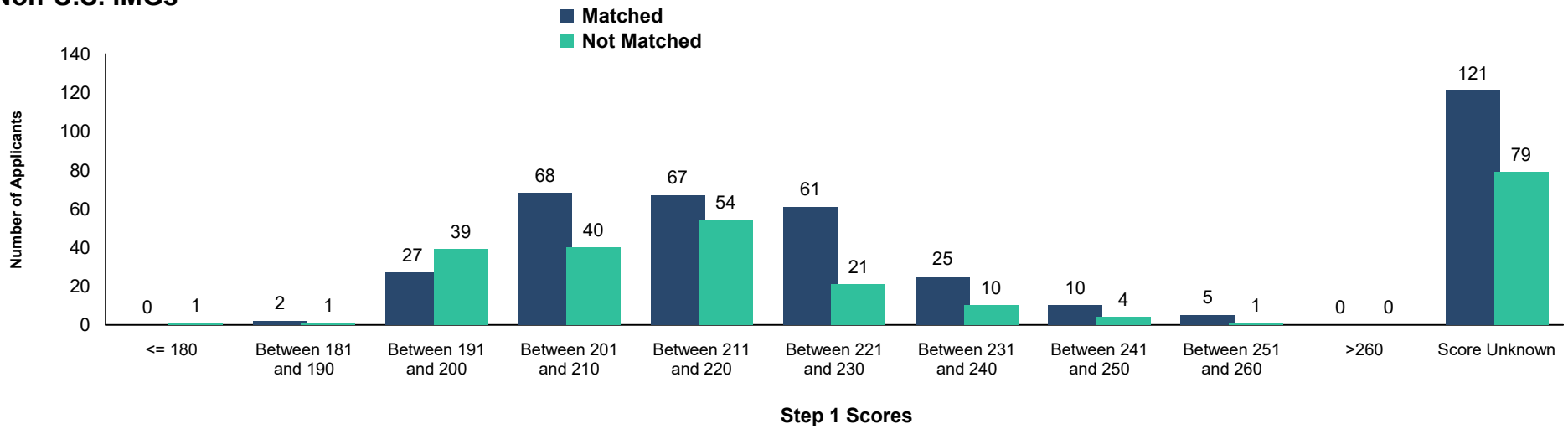
USMLE Step 1 Scores of International Medical Graduates

Family Medicine

U.S. IMGs



Non-U.S. IMGs



Source: NRMP Data Warehouse

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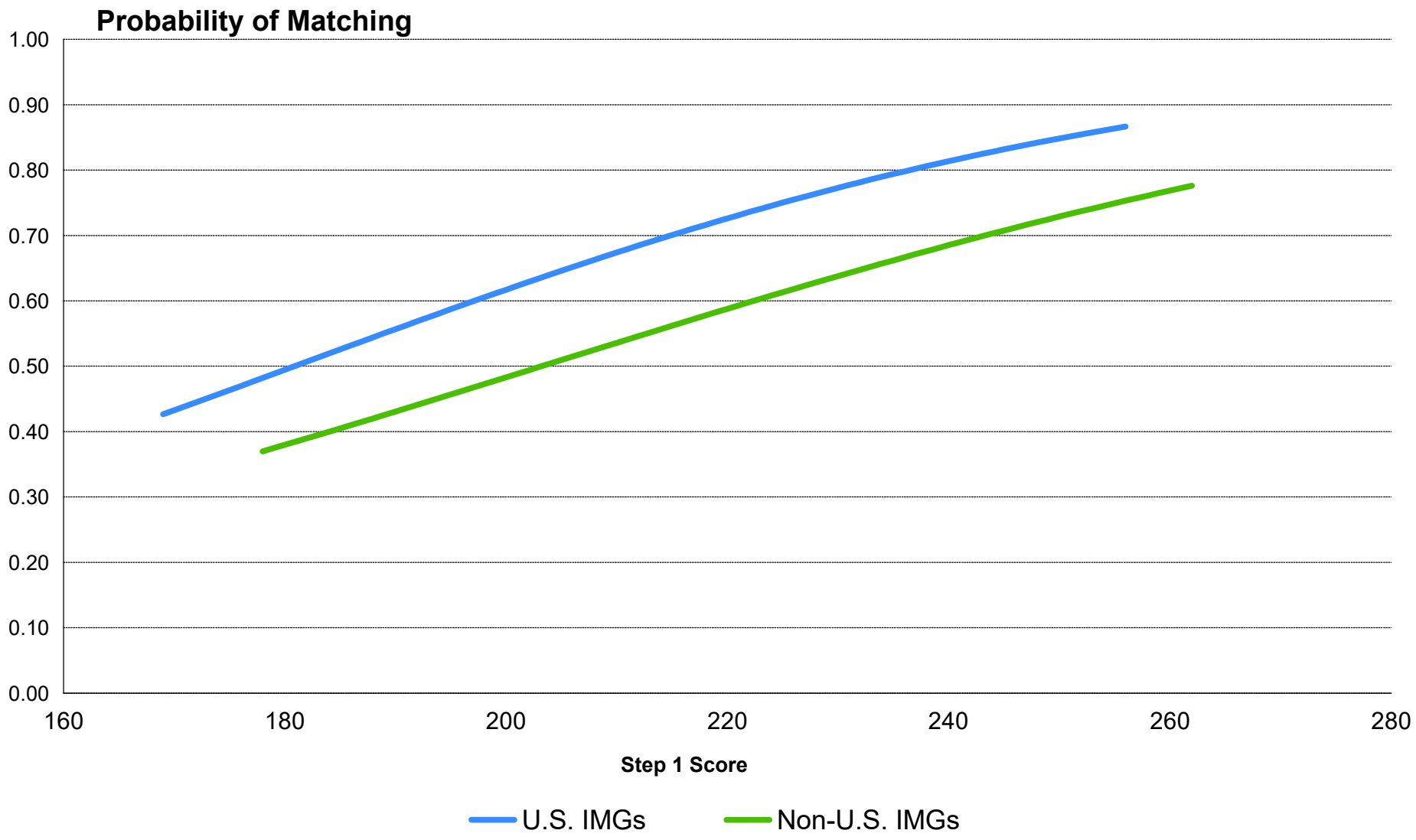
Graph FM-2

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 2022-2024 applicants.

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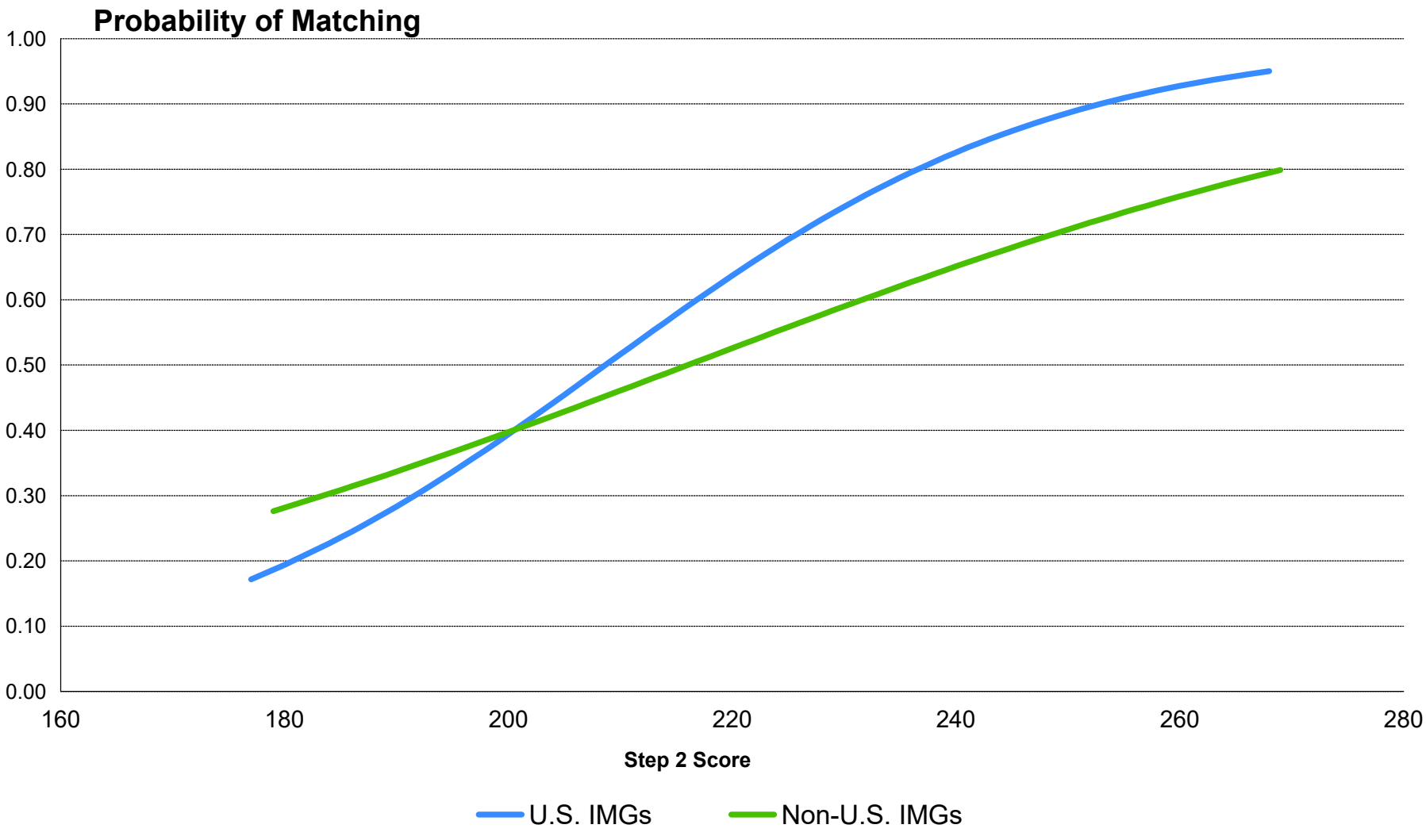
Graph FM-3

Probability of International Medical Graduates Matching to Preferred Specialty by USMLE Step 2 Score

Family Medicine



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

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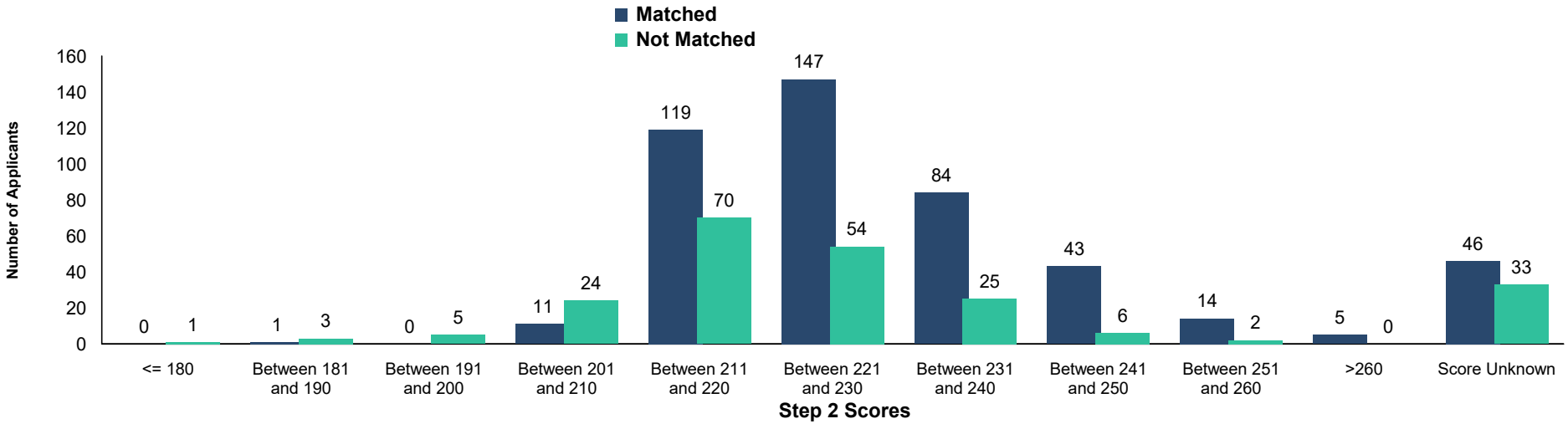
Chart FM-4

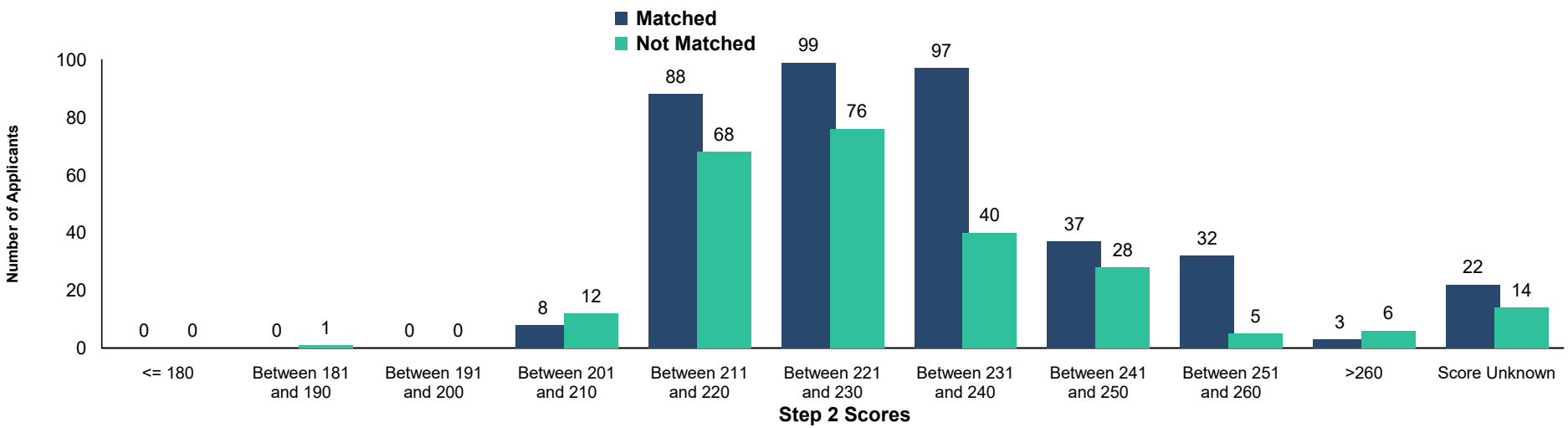
USMLE Step 2 CK Scores of International Medical Graduates

Family Medicine

U.S. IMGs



Non-U.S. IMGs



Source: NRMP Data Warehouse

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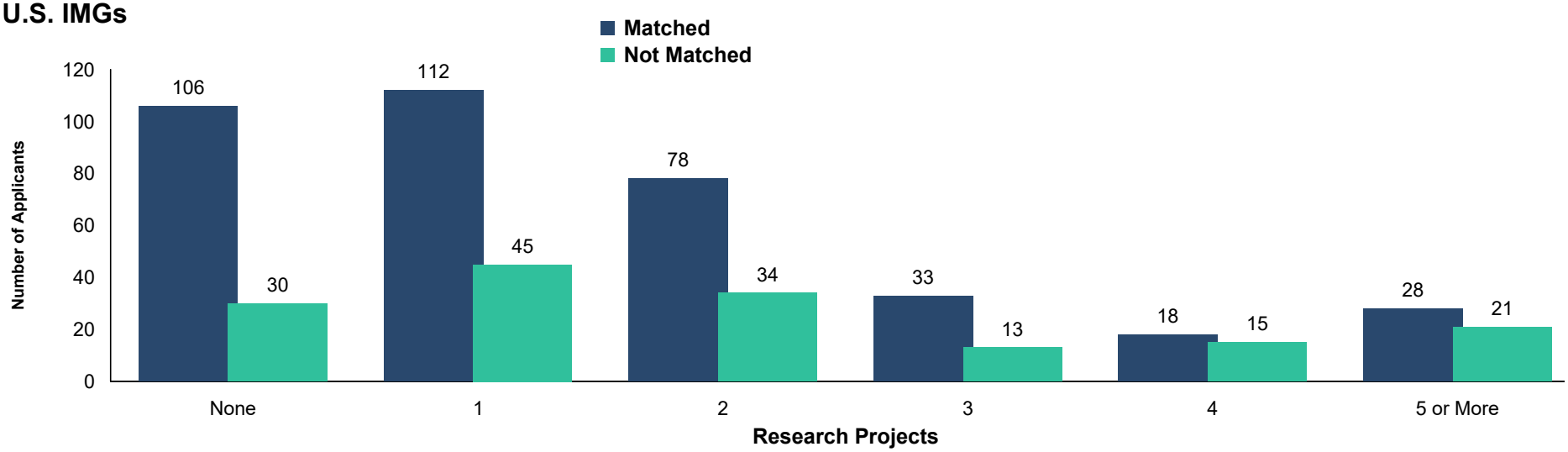
Chart FM-5

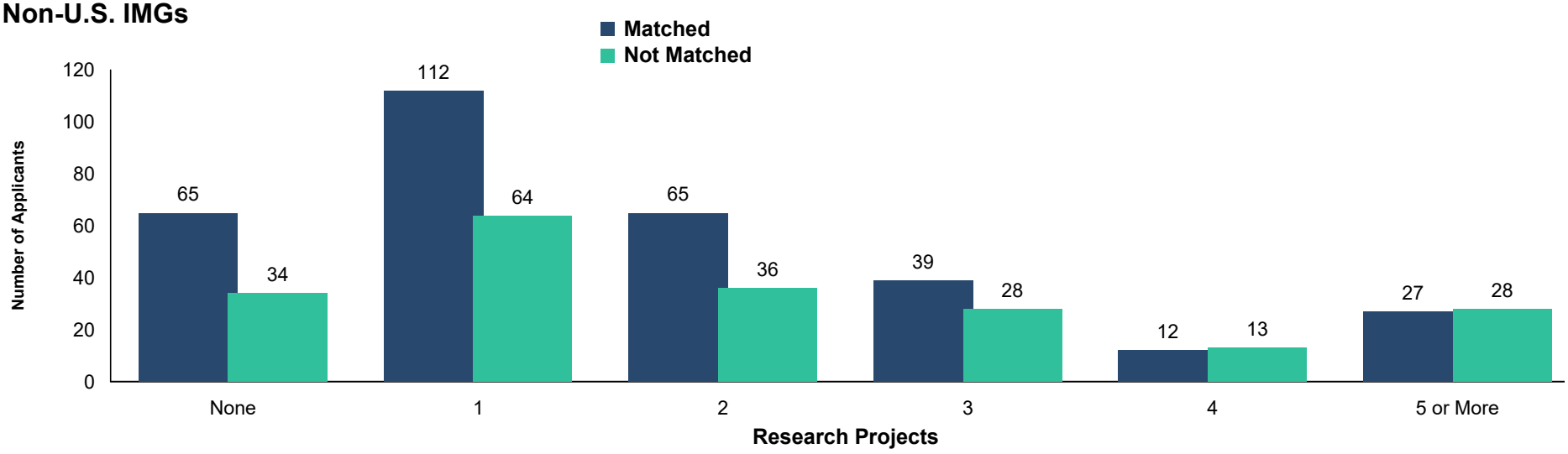
Number of Research Projects of International Medical Graduates

Family Medicine

U.S. IMGs



Non-U.S. IMGs



Source: NRMP Data Warehouse

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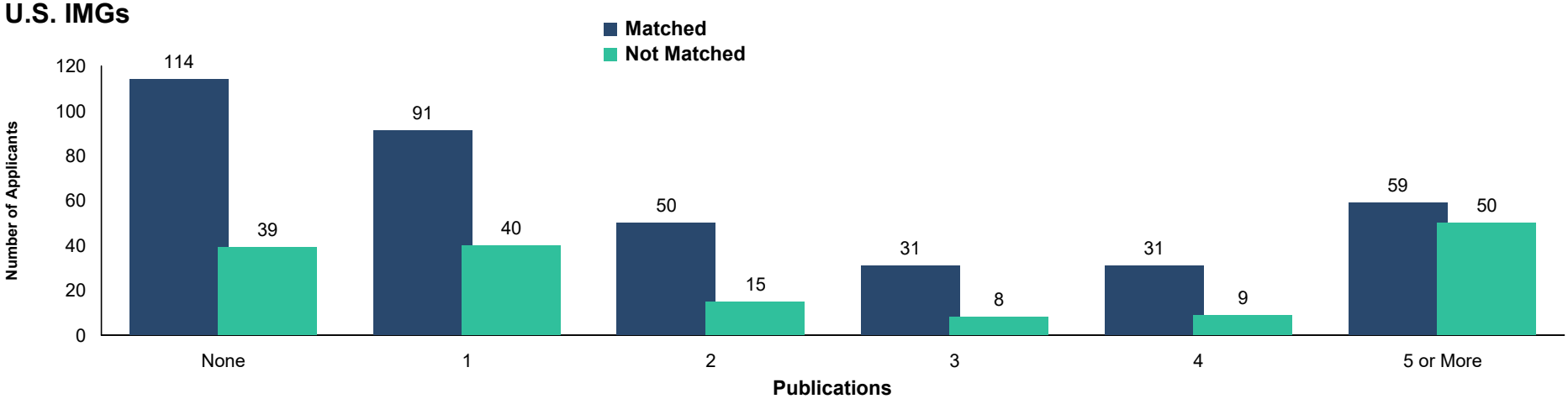
Chart FM-6

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

Family Medicine

U.S. IMGs



Non-U.S. IMGs

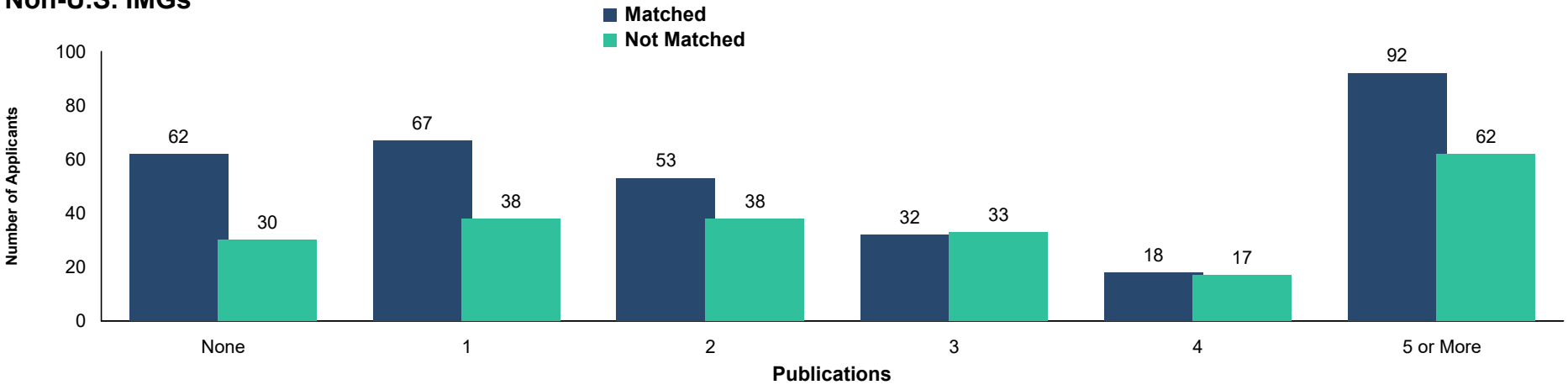


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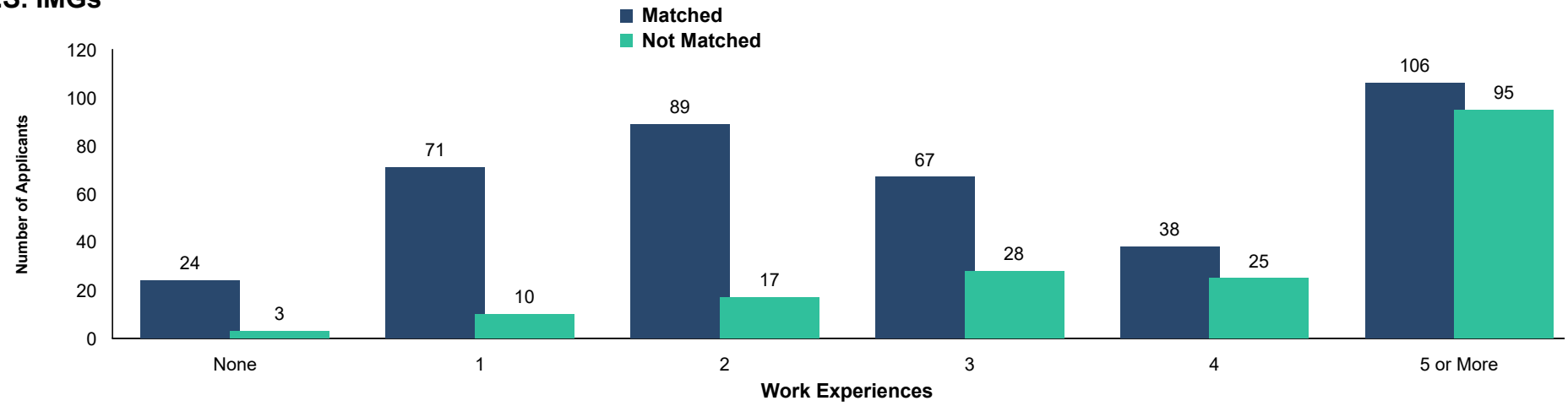
Chart FM-7

Number of Work Experiences of International Medical Graduates

Family Medicine

U.S. IMGs



Non-U.S. IMGs

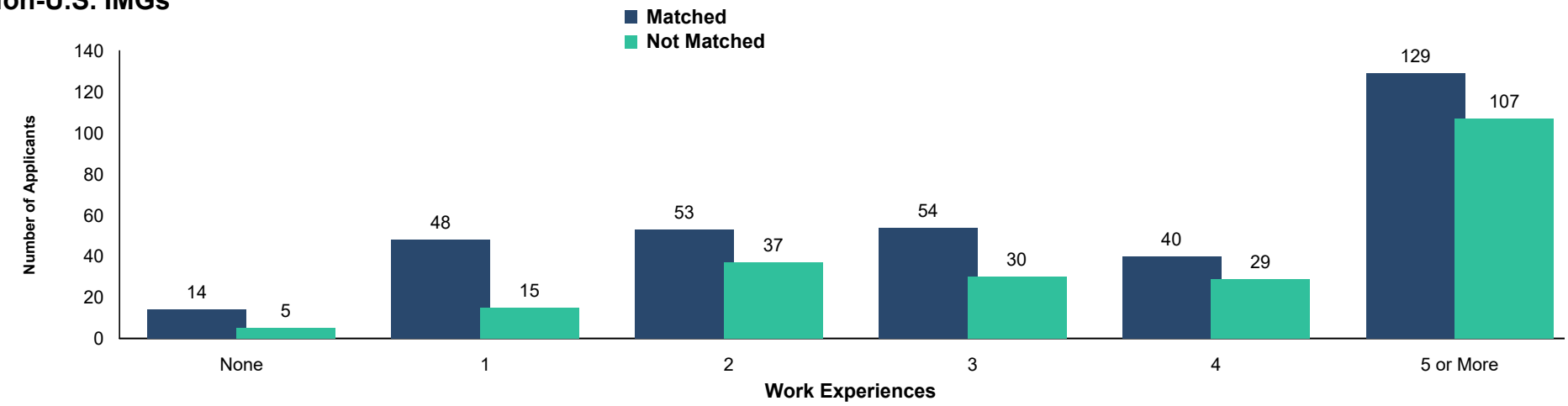


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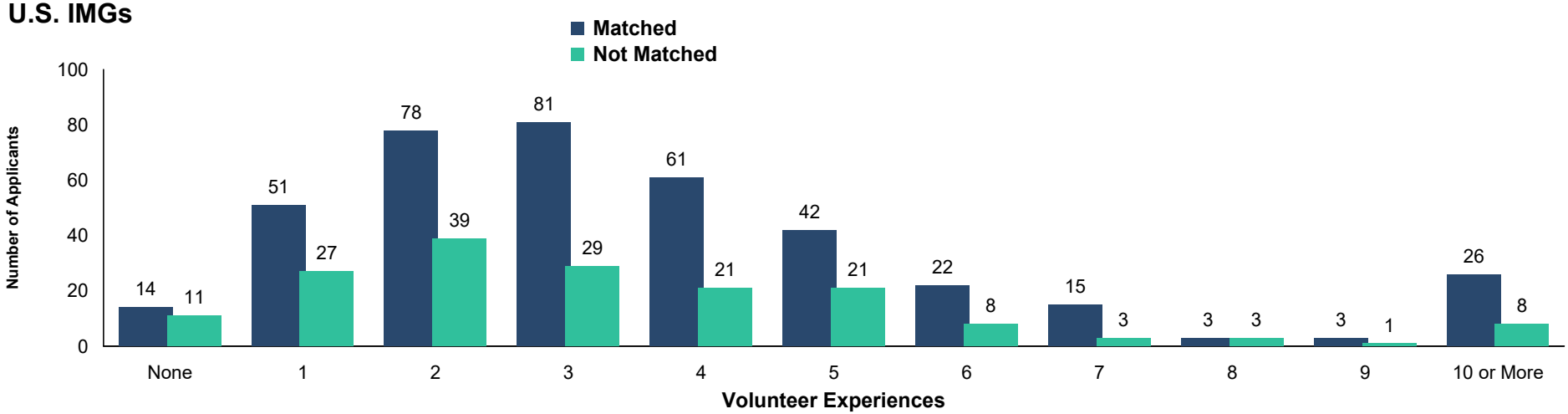
Chart FM-8

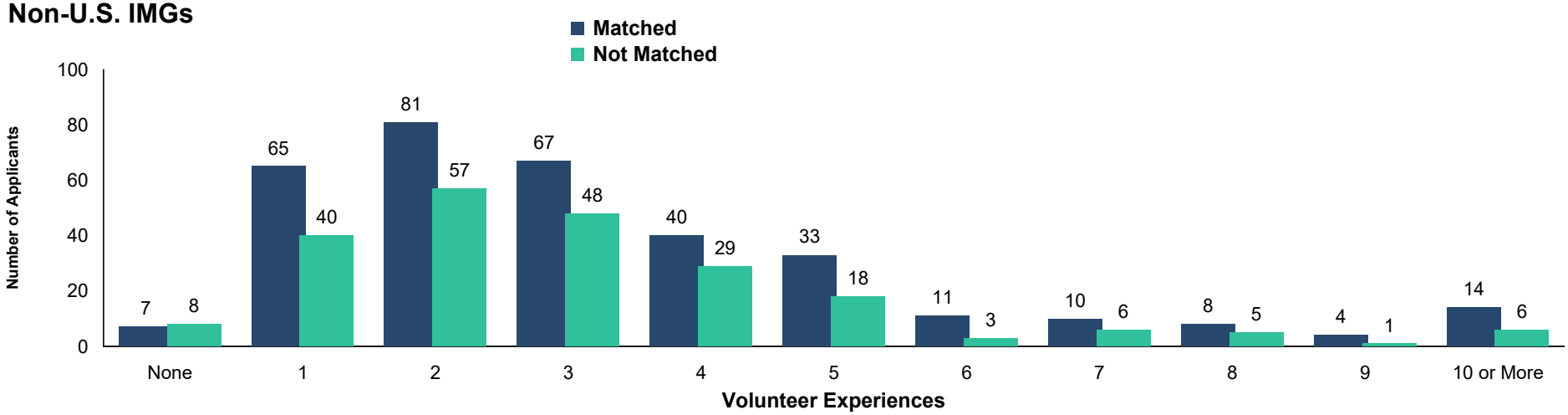
Number of Volunteer Experiences of International Medical Graduates

Family Medicine

U.S. IMGs



Non-U.S. IMGs



Source: NRMP Data Warehouse

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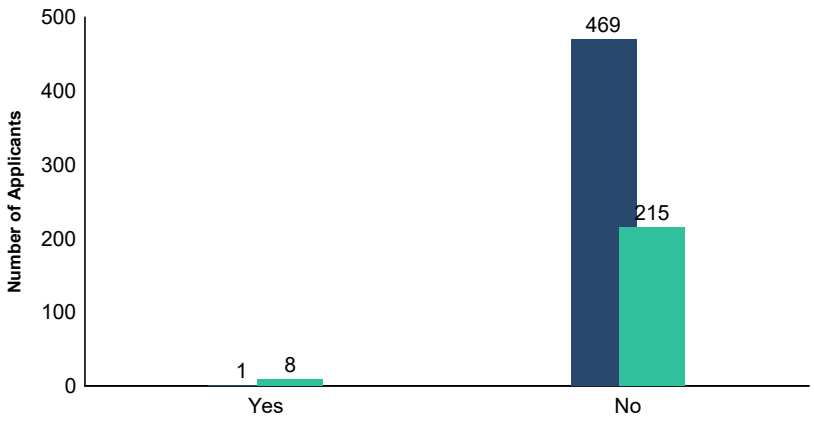
Chart FM-9 Other Characteristics of International Medical Graduates

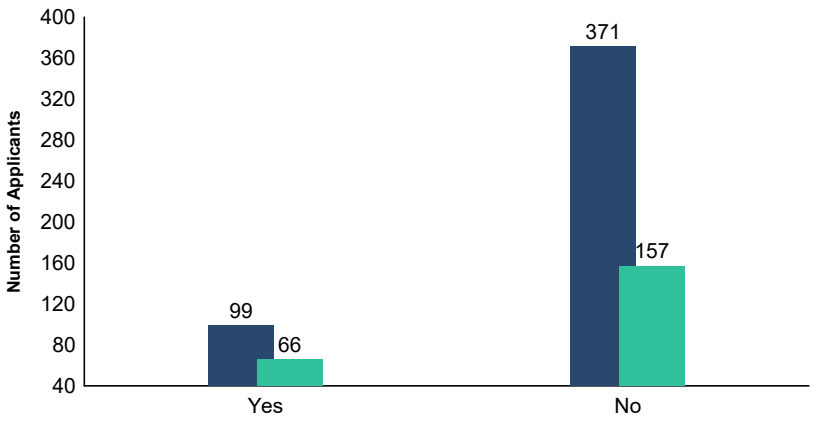
Family Medicine

U.S. IMGs

Ph.D. Degree

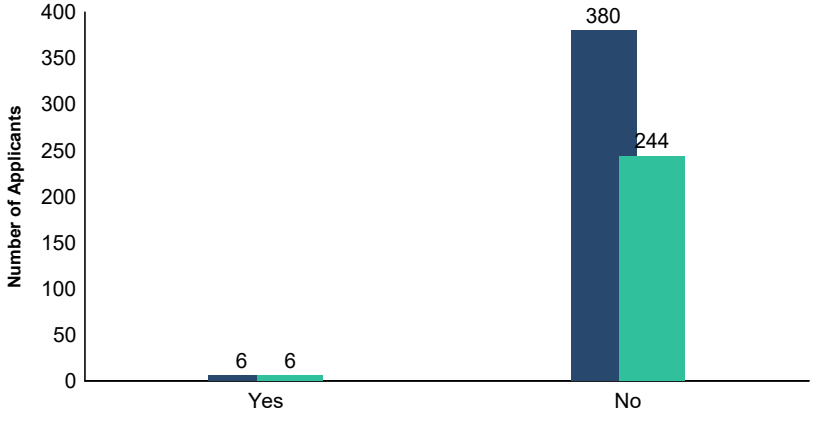


Other Graduate Degree

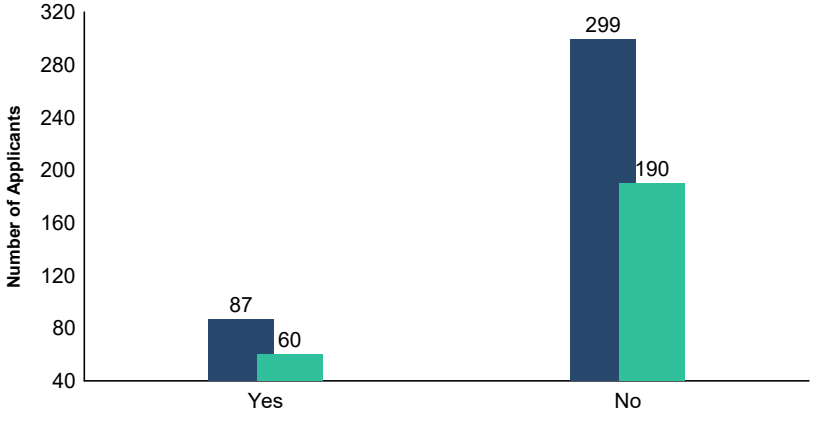


Non-U.S. IMGs

Ph.D. Degree



Other Graduate Degree



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GS General Surgery

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Table GS-1 Summary Statistics
General Surgery

Measure	U.S. IMGs		Non-U.S. IMGs	
	Matched (n=57)	Unmatched (n=128)	Matched (n=69)	Unmatched (n=200)
1. Mean number of contiguous ranks	5.6	2.5	3.7	2.5
2. Mean number of distinct specialties ranked	1.1	1.2	1.1	1.3
3. Mean USMLE Step 1 score*	235	225	243	234
4. Mean USMLE Step 2 score	248	237	249	244
5. Mean number of research experiences	3.8	2.8	4.4	4.7
6. Mean number of abstracts, presentations, and publications	8.3	8.5	22.2	11.6
7. Mean number of work experiences	3.5	3.6	20.5	4.1
8. Mean number of volunteer experiences	3.5	3.9	5.2	3.0
9. Percentage who have a Ph.D. degree	1.9	0.0	1.6	2.7
10. Percentage who have another graduate degree	31.4	22.0	23.0	32.0

Note: * Only applicants who gave consent to use their information in research are included.
*Only applicants who indicated completion of the USMLE Step 1 exam prior to the transition to pass/fail (i.e., prior to January 26, 2022) had the option to self-report their Step 1 numeric score. In 2024, 6,845 IMGs (2,248 U.S. IMGs and 4,597 non-U.S. IMGs) self-reported Step 1 numeric scores.
Source. NRMP Data Warehouse

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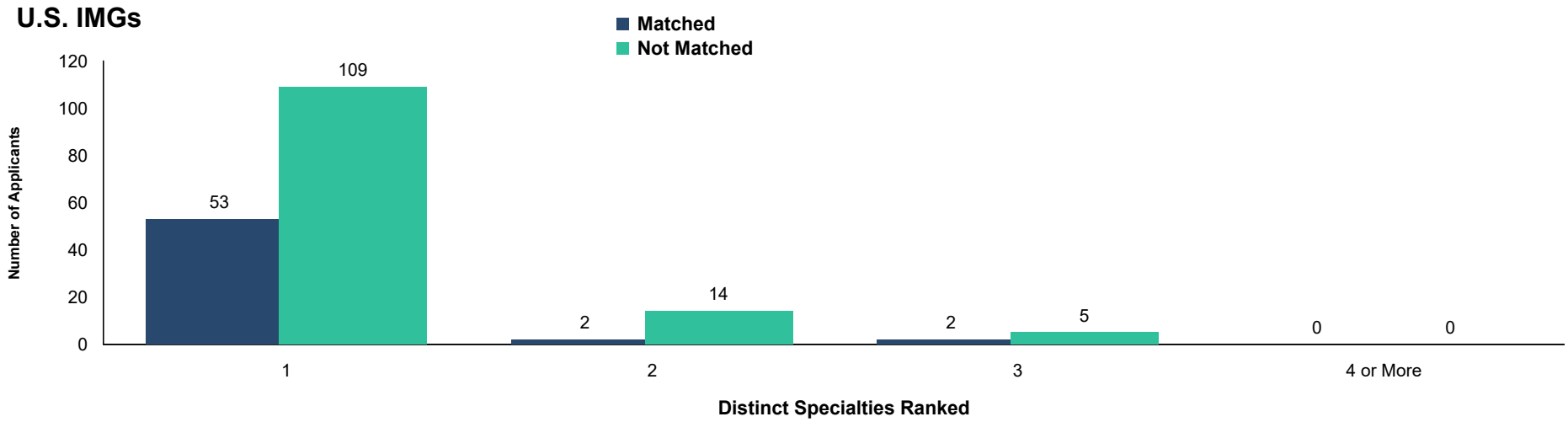
Chart GS-1 Number of Distinct Specialties Ranked by International Medical Graduates General Surgery



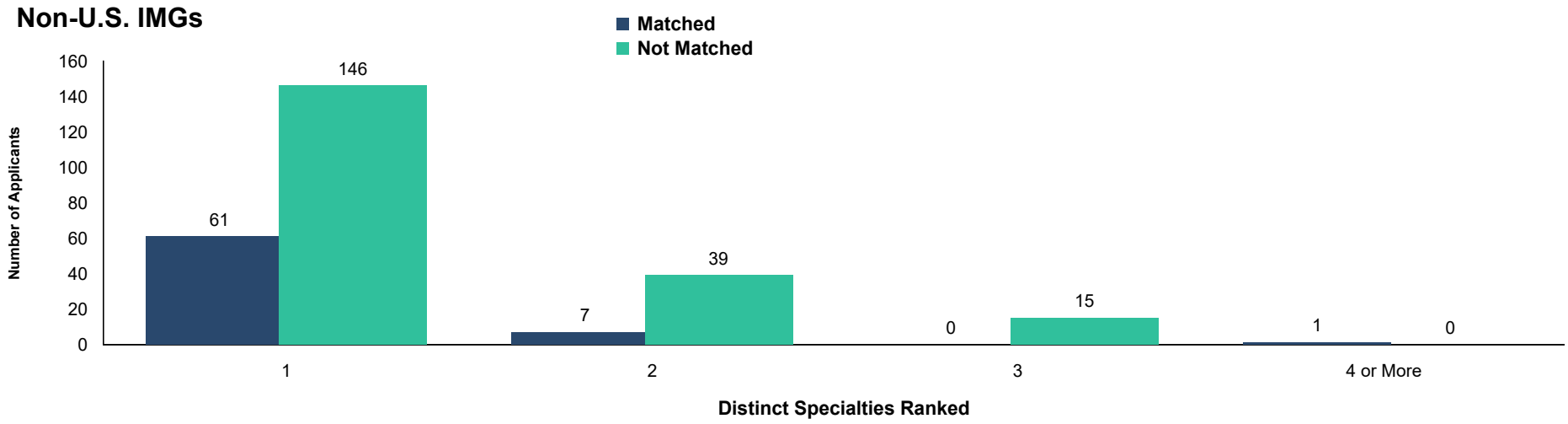


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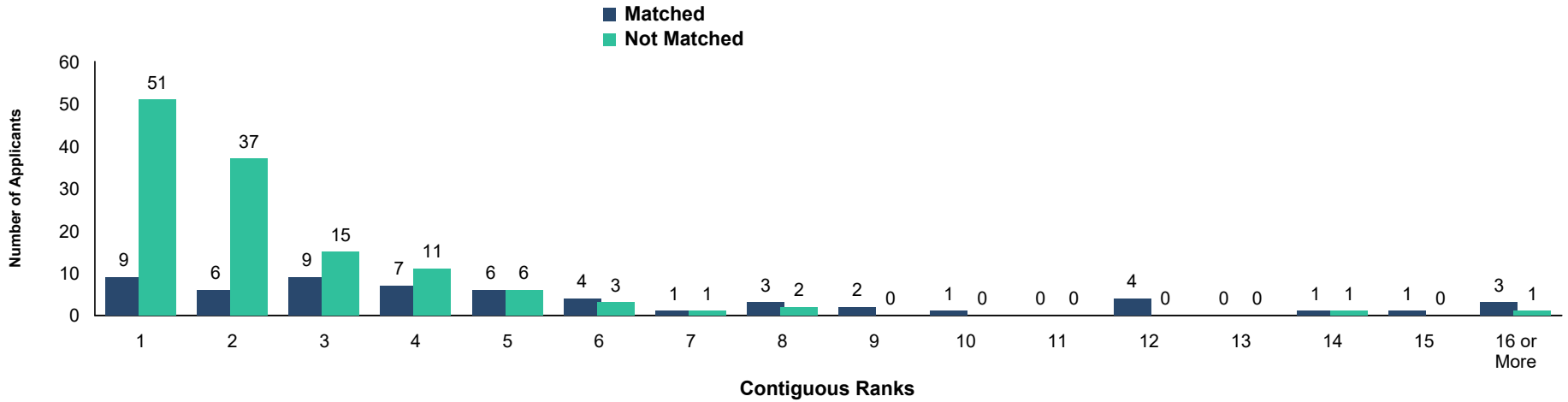
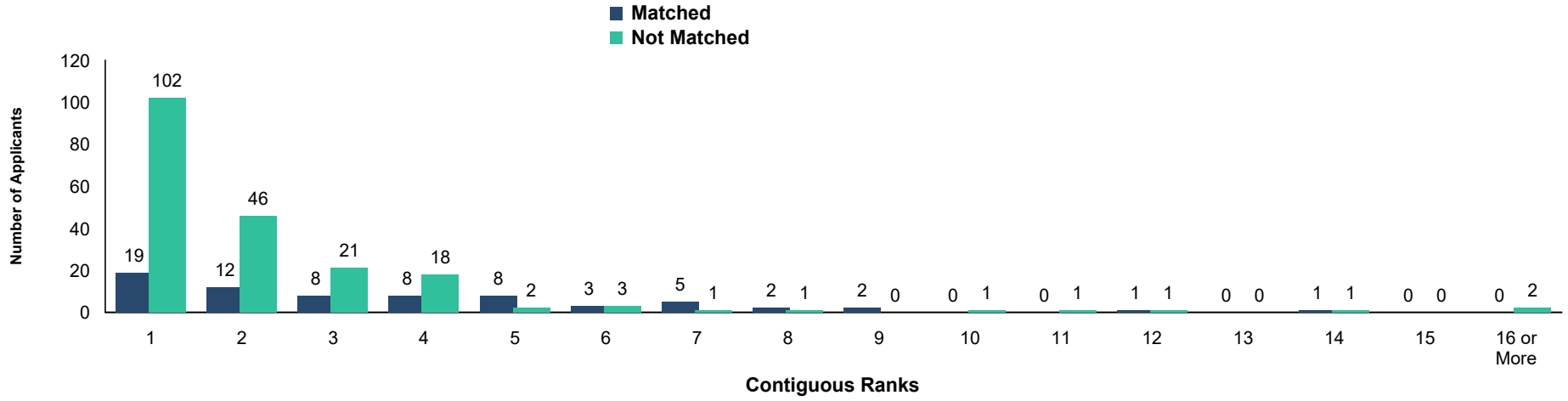
Chart GS-2 Number of Contiguous Ranks of International Medical Graduates General Surgery

U.S. IMGs



Non-U.S. IMGs



Source: NRMP Data Warehouse

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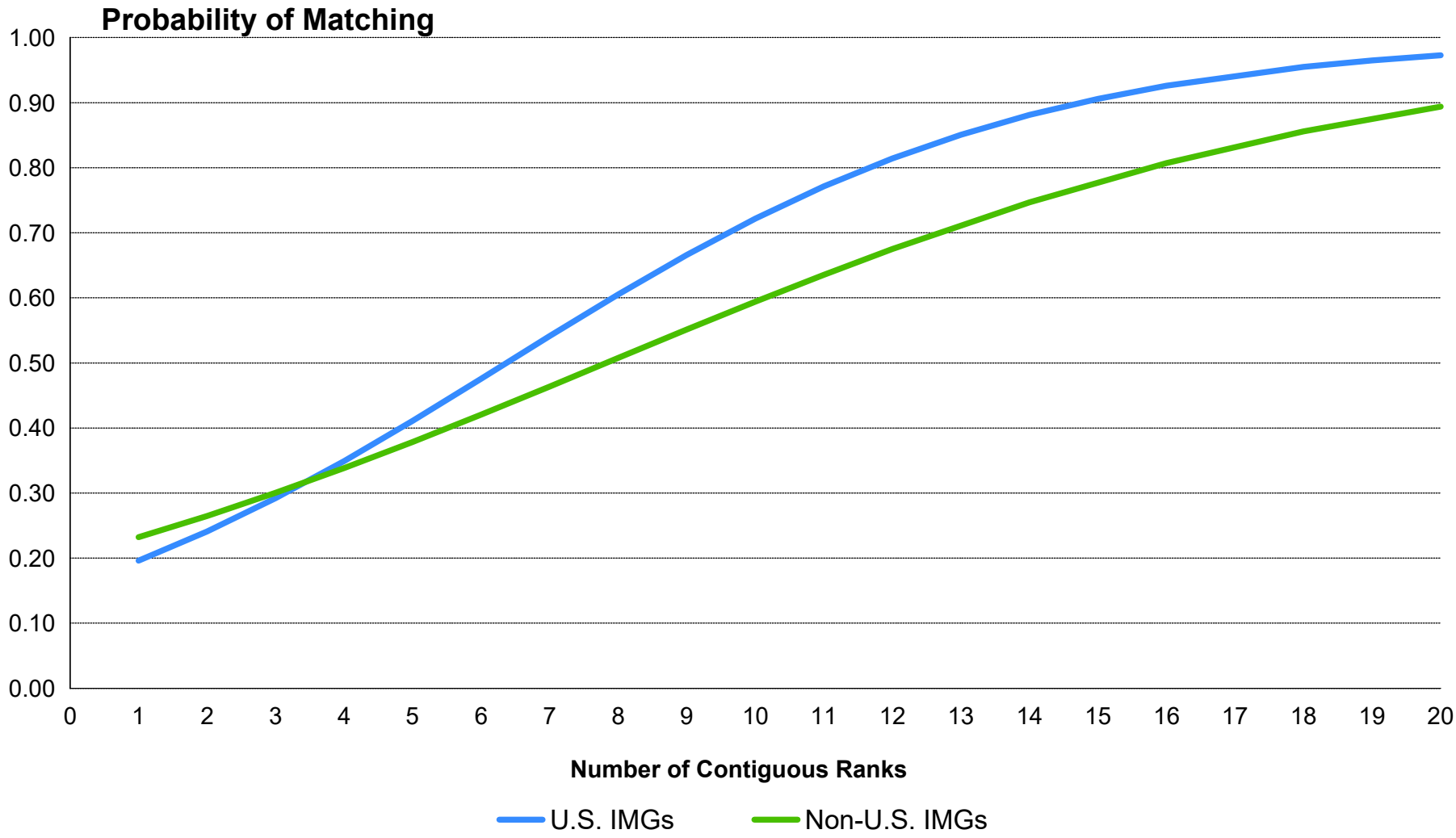
Graph GS-1

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 2022-2024 applicants

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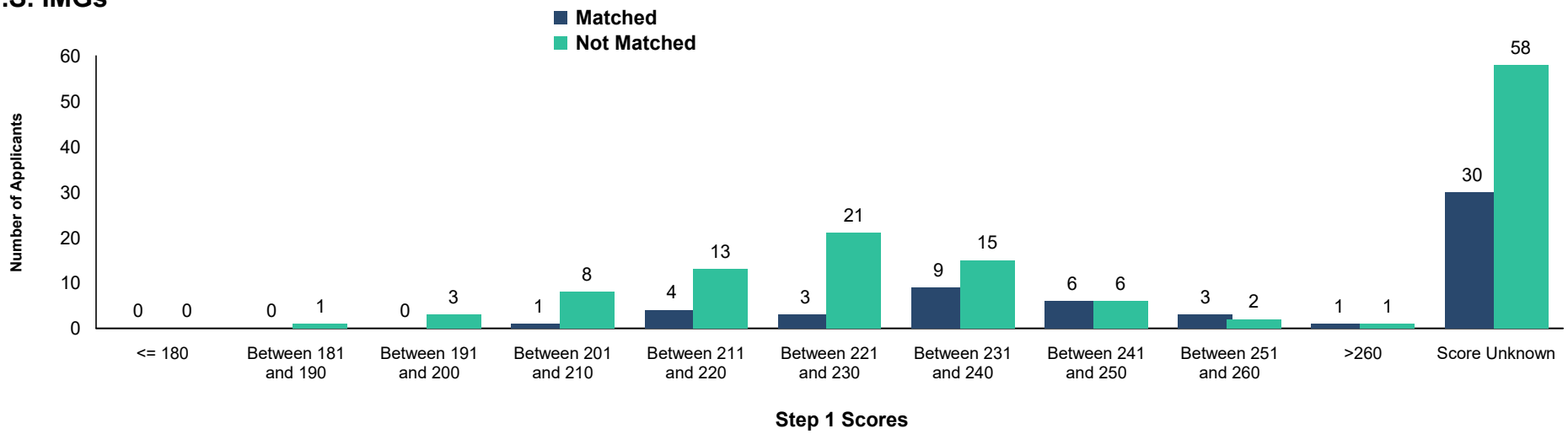
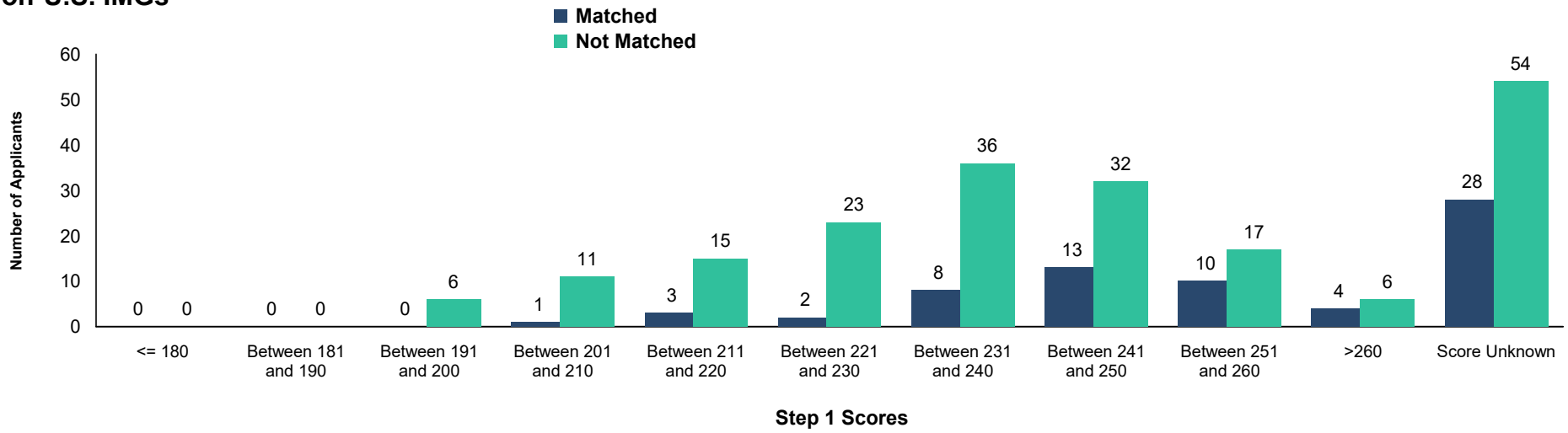
Chart GS-3 USMLE Step 1 Scores of International Medical Graduates

General Surgery

U.S. IMGs



Non-U.S. IMGs



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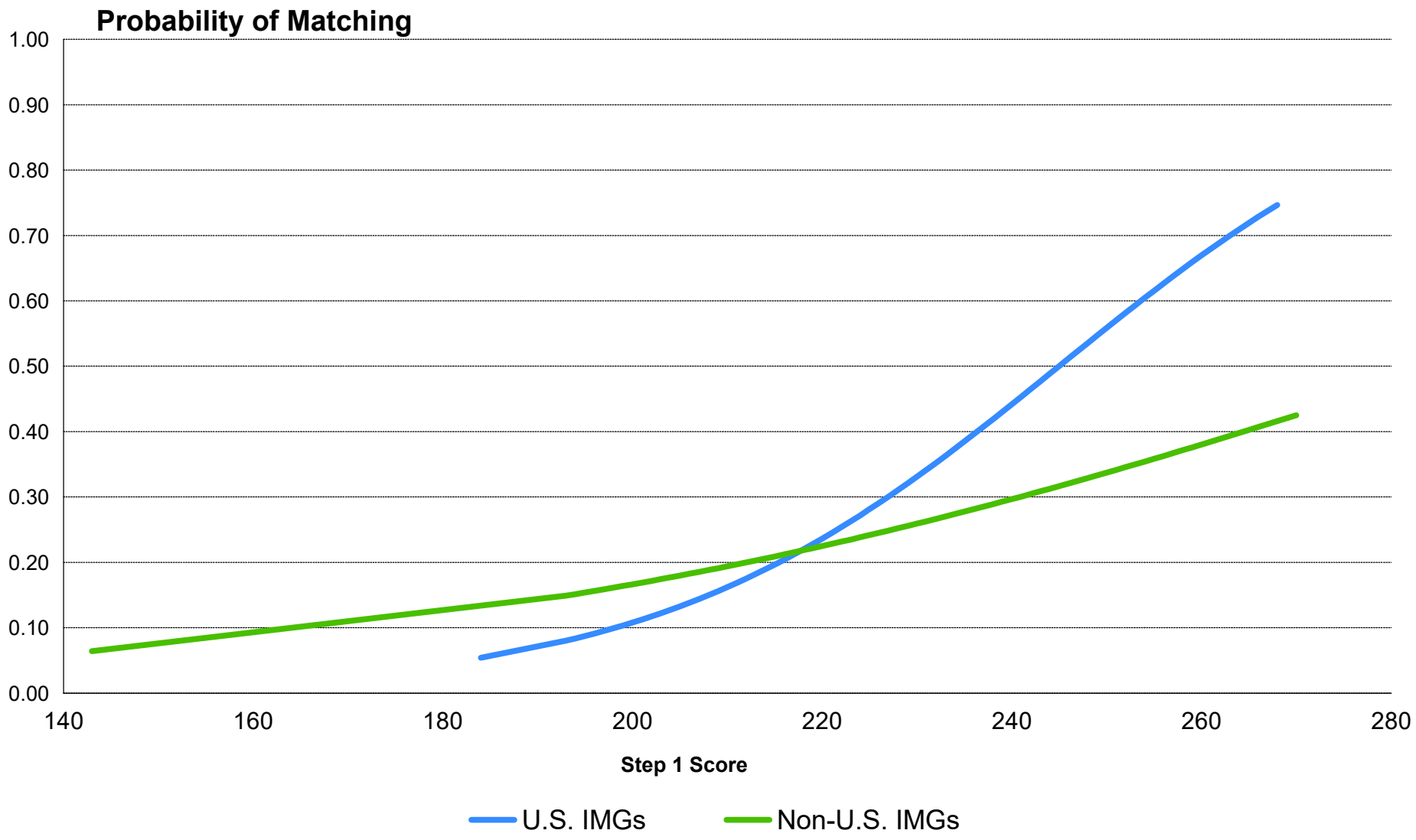
Graph GS-2

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 2022-2024 applicants.

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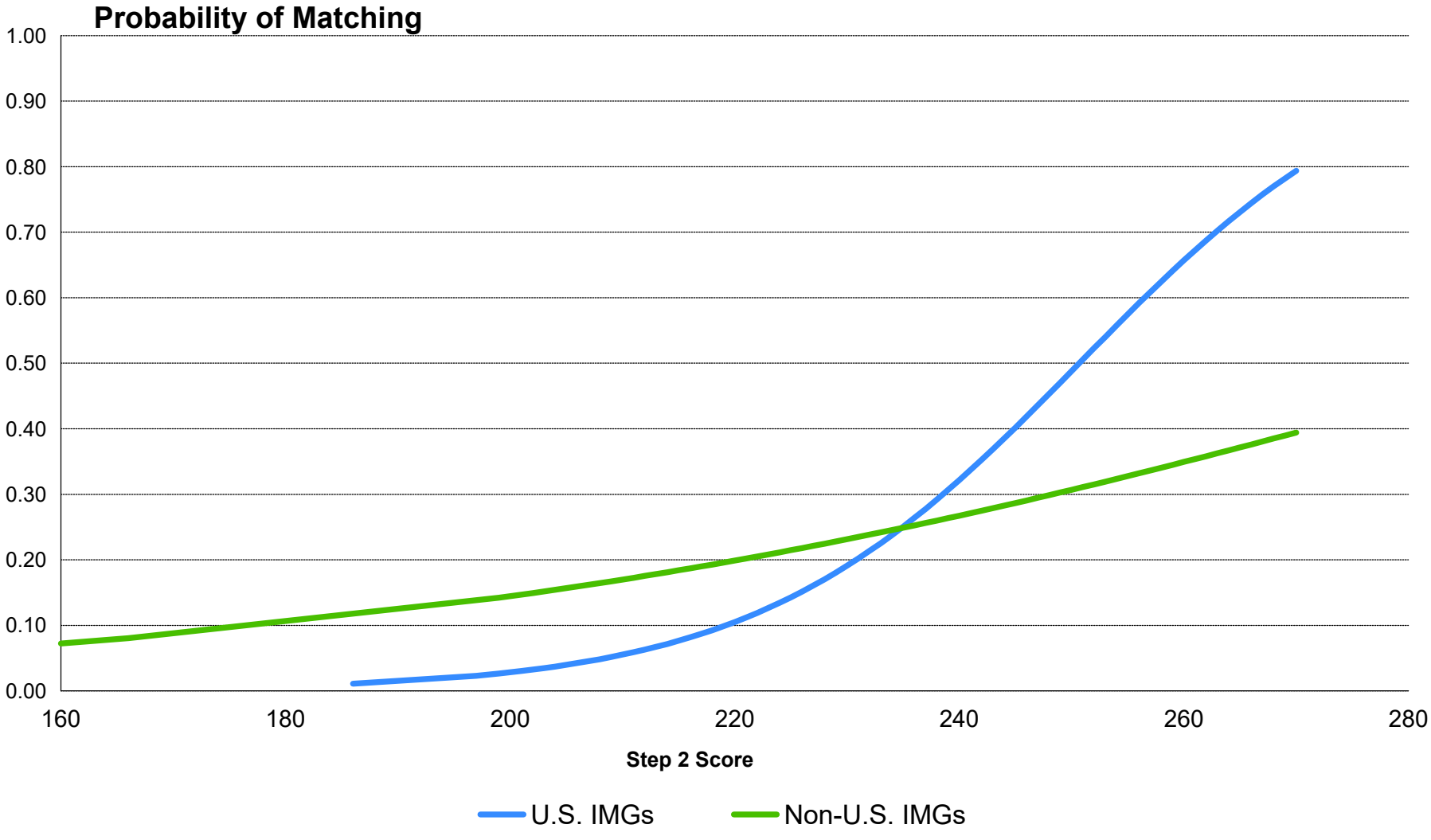
Graph GS-3

Probability of International Medical Graduates Matching to Preferred Specialty by USMLE Step 2 Score

General Surgery



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

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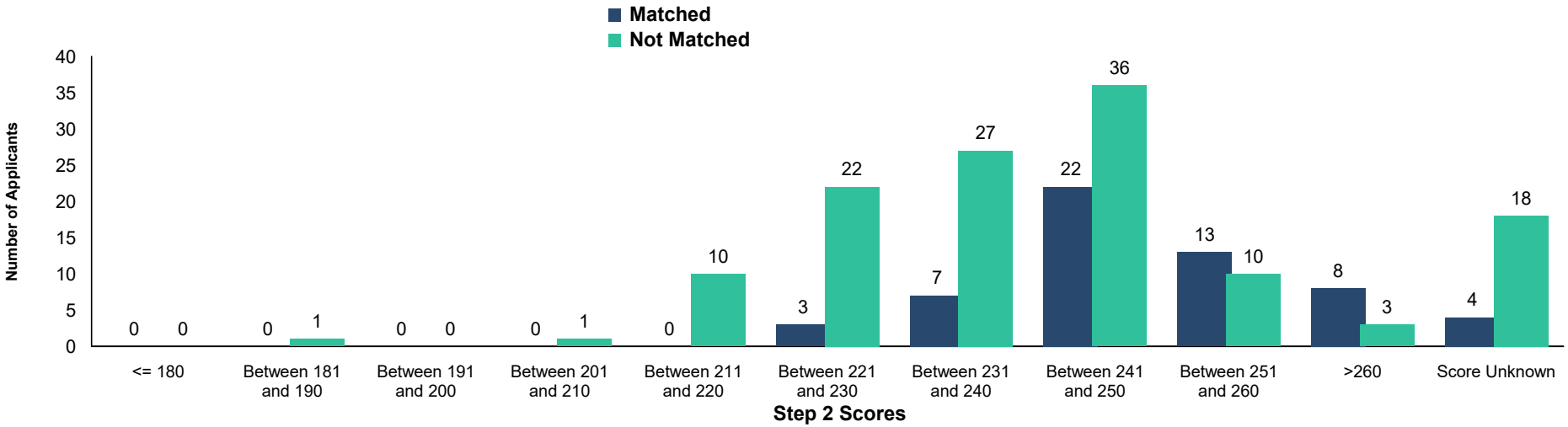
Chart GS-4

USMLE Step 2 CK Scores of International Medical Graduates

General Surgery

U.S. IMGs



Non-U.S. IMGs

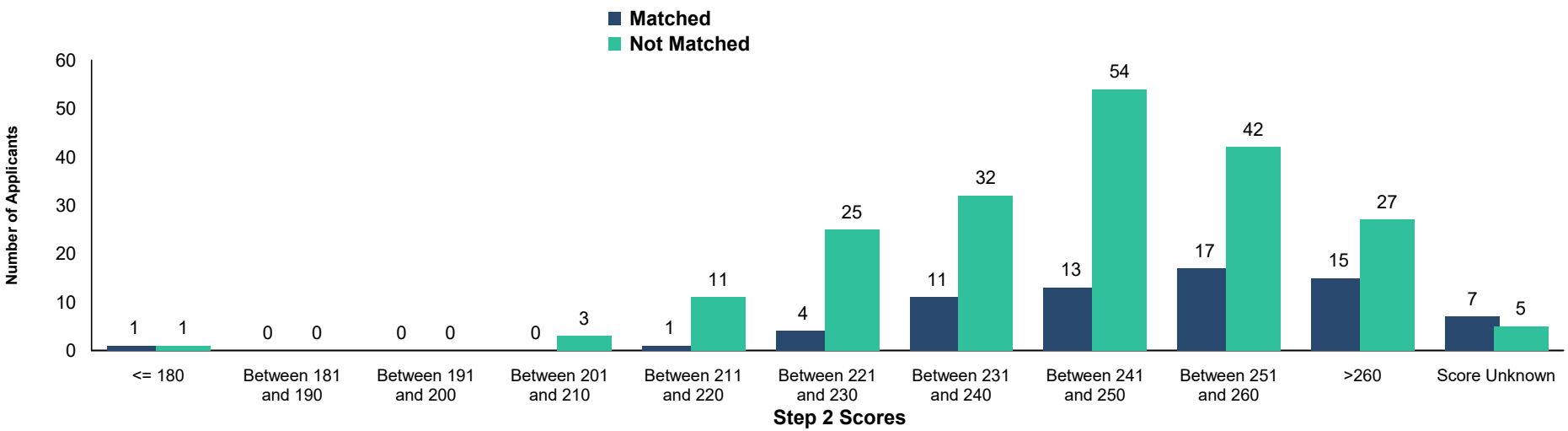


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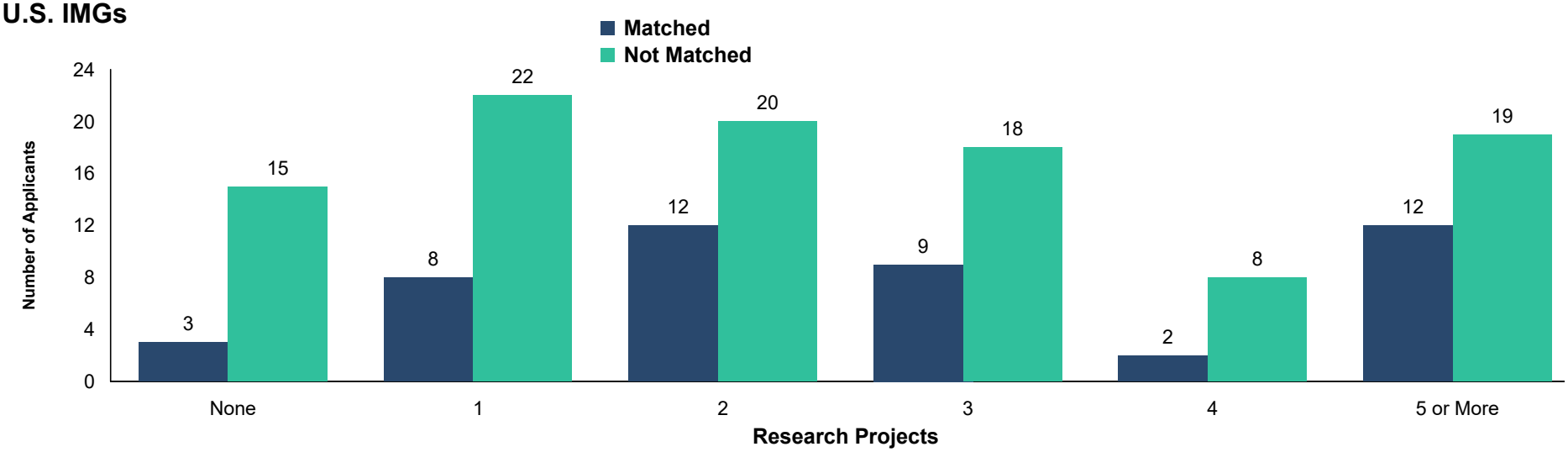
Chart GS-5

Number of Research Projects of International Medical Graduates

General Surgery

U.S. IMGs



Non-U.S. IMGs

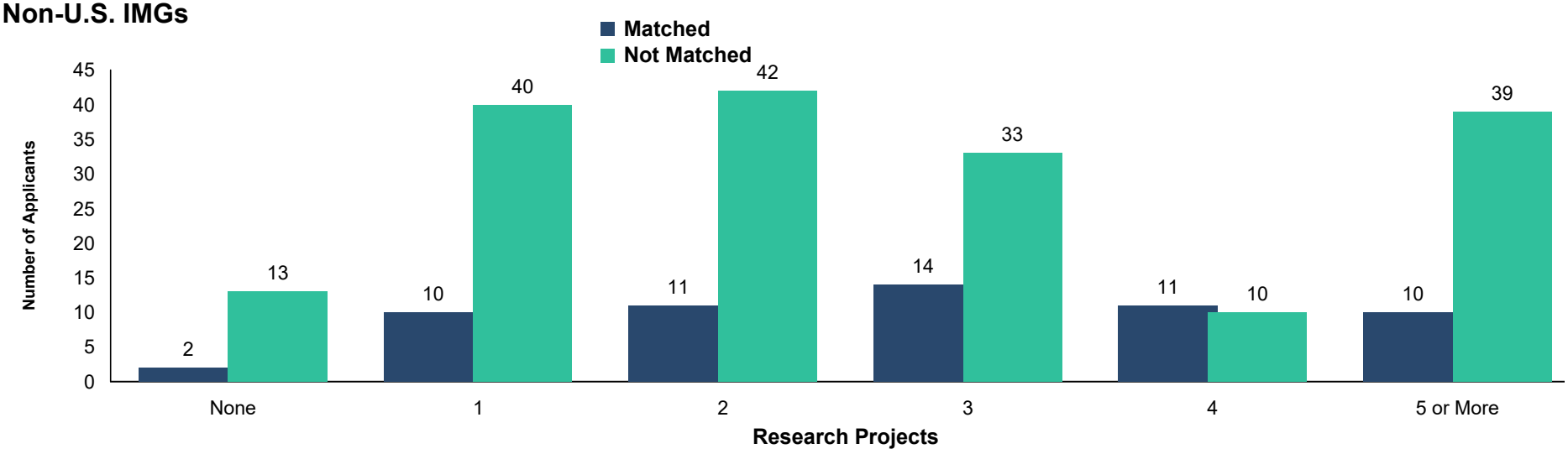


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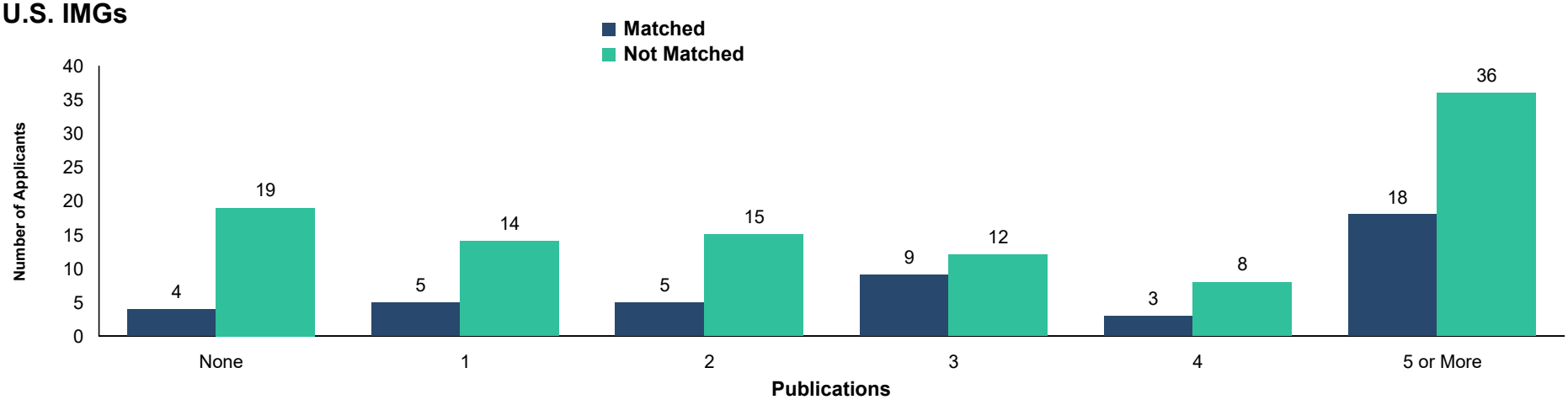
Chart GS-6

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

General Surgery

U.S. IMGs



Non-U.S. IMGs

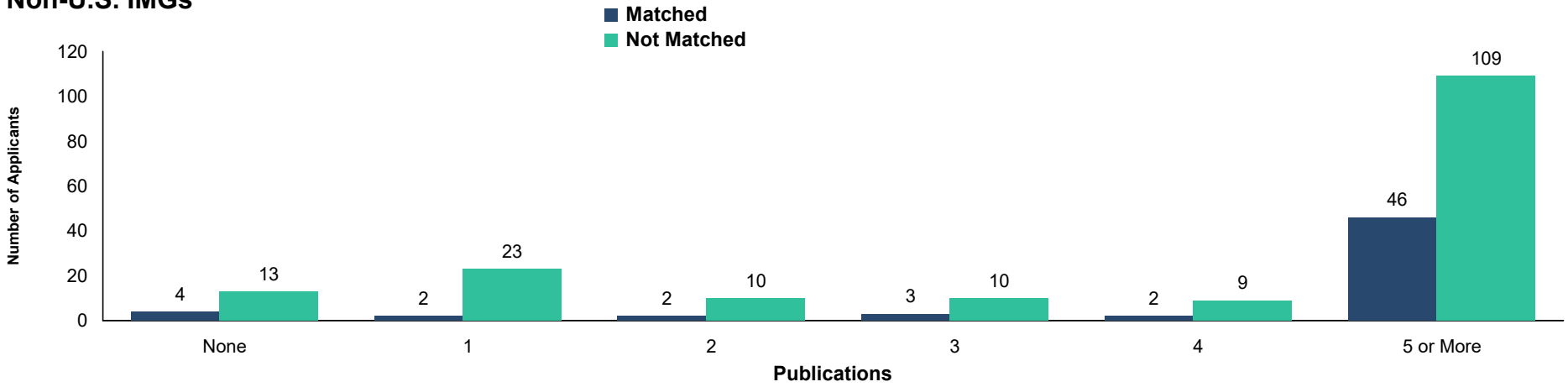


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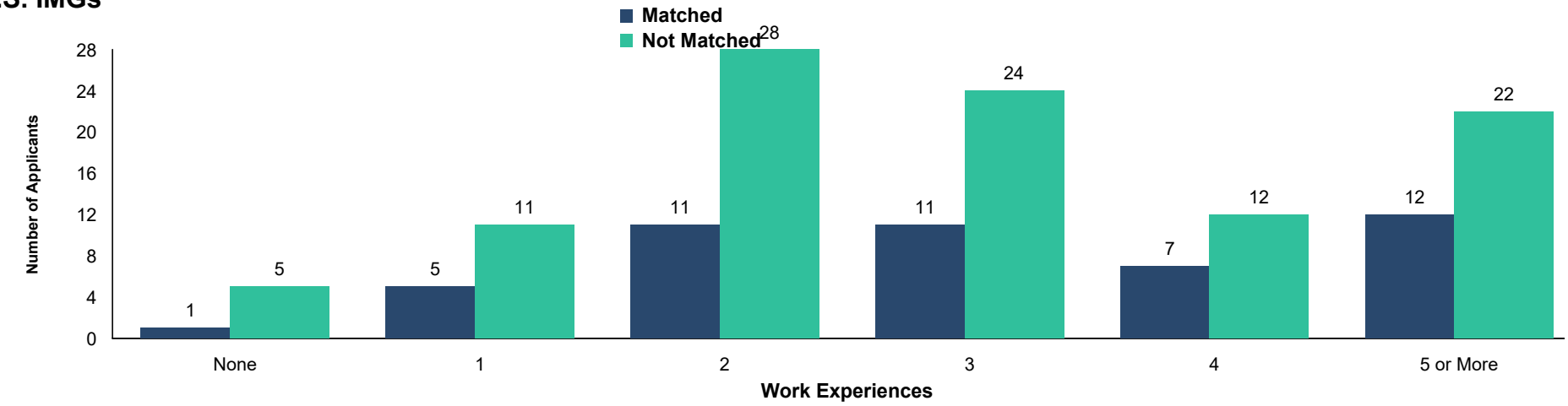
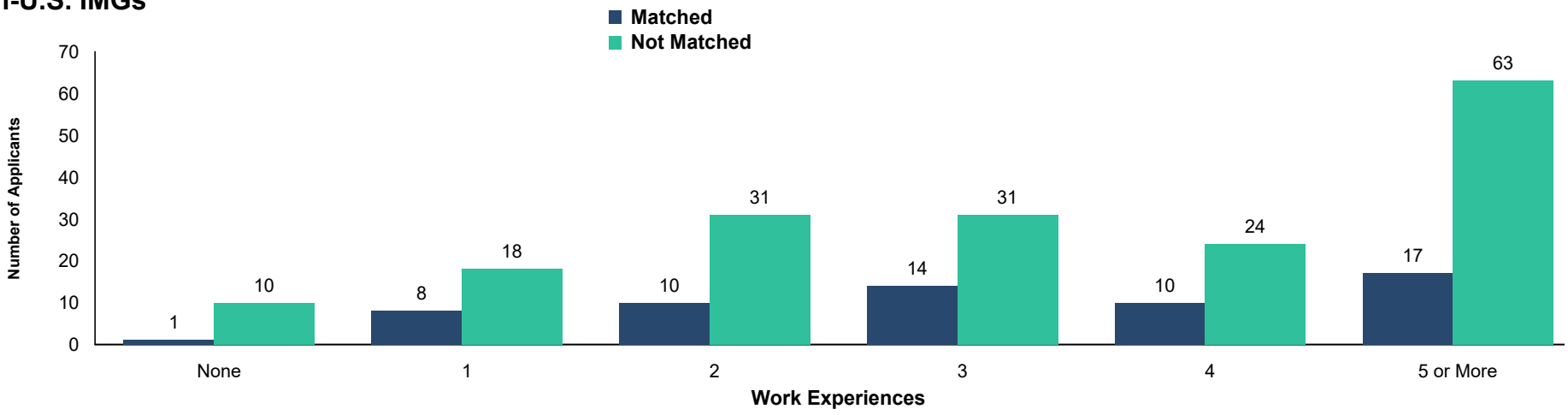
Chart GS-7 Number of Work Experiences of International Medical Graduates

General Surgery

U.S. IMGs



Non-U.S. IMGs



Source: NRMP Data Warehouse

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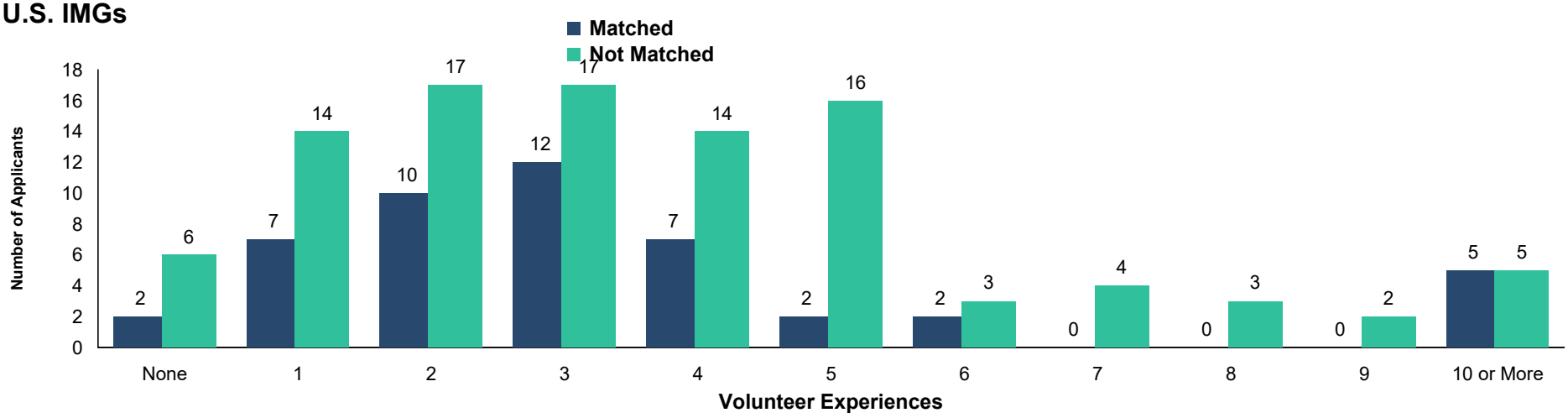
Chart GS-8

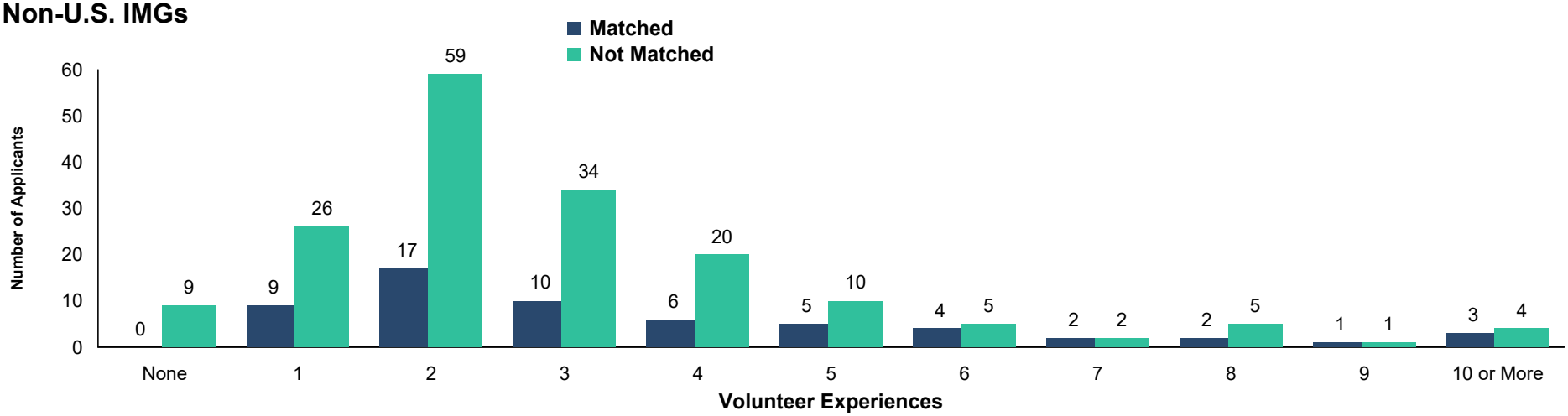
Number of Volunteer Experiences of International Medical Graduates

General Surgery

U.S. IMGs



Non-U.S. IMGs



Source: NRMP Data Warehouse

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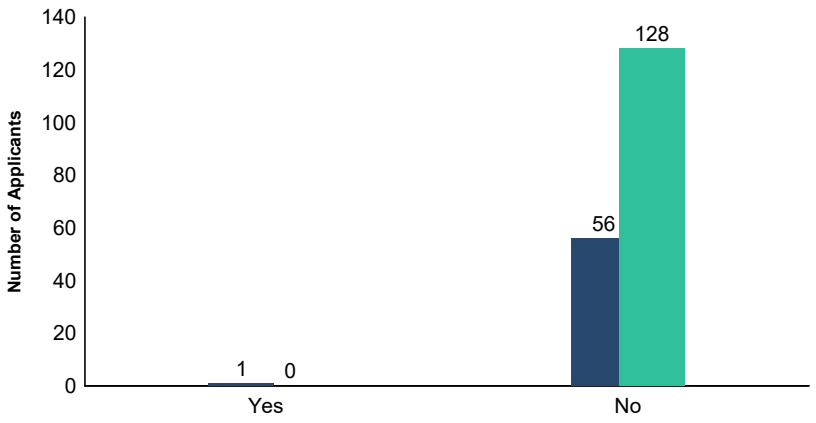
Chart GS-9 Other Characteristics of International Medical Graduates

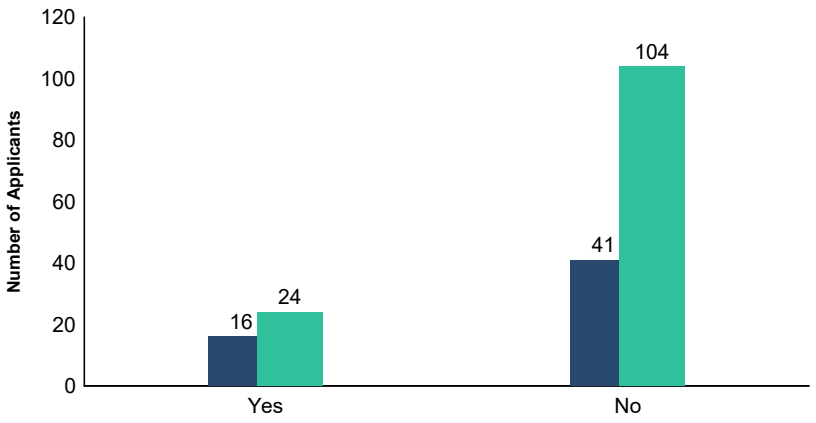
General Surgery

U.S. IMGs

Ph.D. Degree

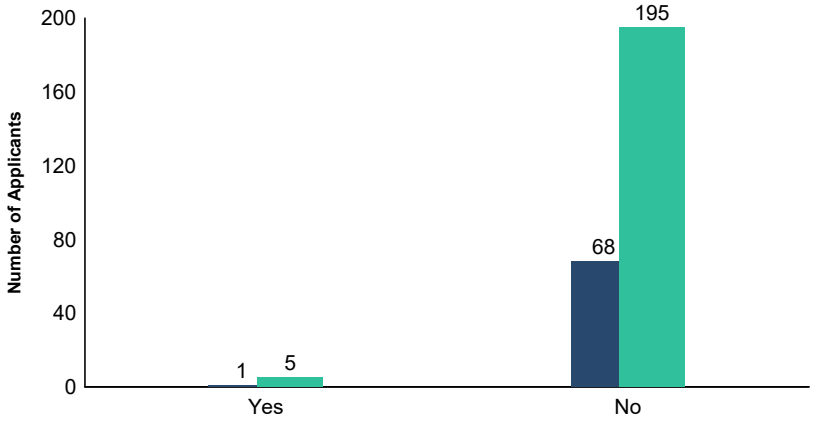


Other Graduate Degree

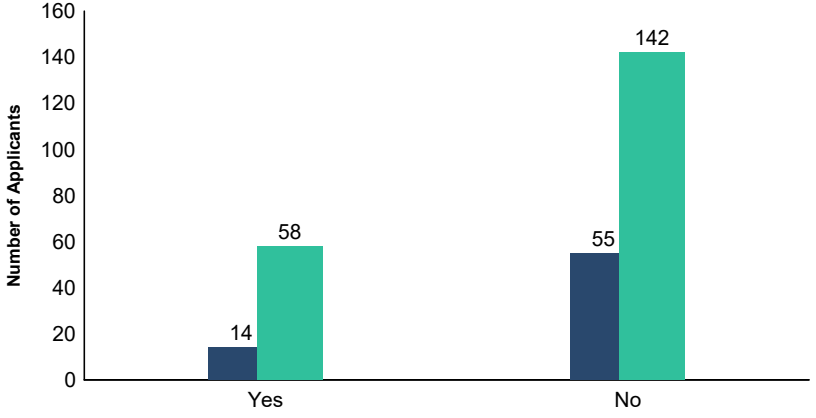


Non-U.S. IMGs

Ph.D. Degree



Other Graduate Degree



Source: NRMP Data Warehouse

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IM Internal Medicine

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Table IM-1 Summary Statistics
Internal Medicine

Measure	U.S. IMGs		Non-U.S. IMGs	
	Matched (n=816)	Unmatched (n=478)	Matched (n=2,535)	Unmatched (n=2,136)
1. Mean number of contiguous ranks	9.1	2.1	6.1	2.5
2. Mean number of distinct specialties ranked	1.3	1.4	1.2	1.3
3. Mean USMLE Step 1 score*	220	213	237	230
4. Mean USMLE Step 2 score	238	226	248	242
5. Mean number of research experiences	1.9	2.5	2.6	2.7
6. Mean number of abstracts, presentations, and publications	3.6	4.7	7.0	5.8
7. Mean number of work experiences	3.3	5.1	3.8	4.3
8. Mean number of volunteer experiences	3.4	3.5	2.7	2.7
9. Percentage who have a Ph.D. degree	0.4	1.4	1.1	1.5
10. Percentage who have another graduate degree	19.3	30.6	16.6	17.7

Note: * Only applicants who gave consent to use their information in research are included.
*Only applicants who indicated completion of the USMLE Step 1 exam prior to the transition to pass/fail (i.e., prior to January 26, 2022) had the option to self-report their Step 1 numeric score. In 2024, 6,845 IMGs (2,248 U.S. IMGs and 4,597 non-U.S. IMGs) self-reported Step 1 numeric scores.
Source. NRMP Data Warehouse

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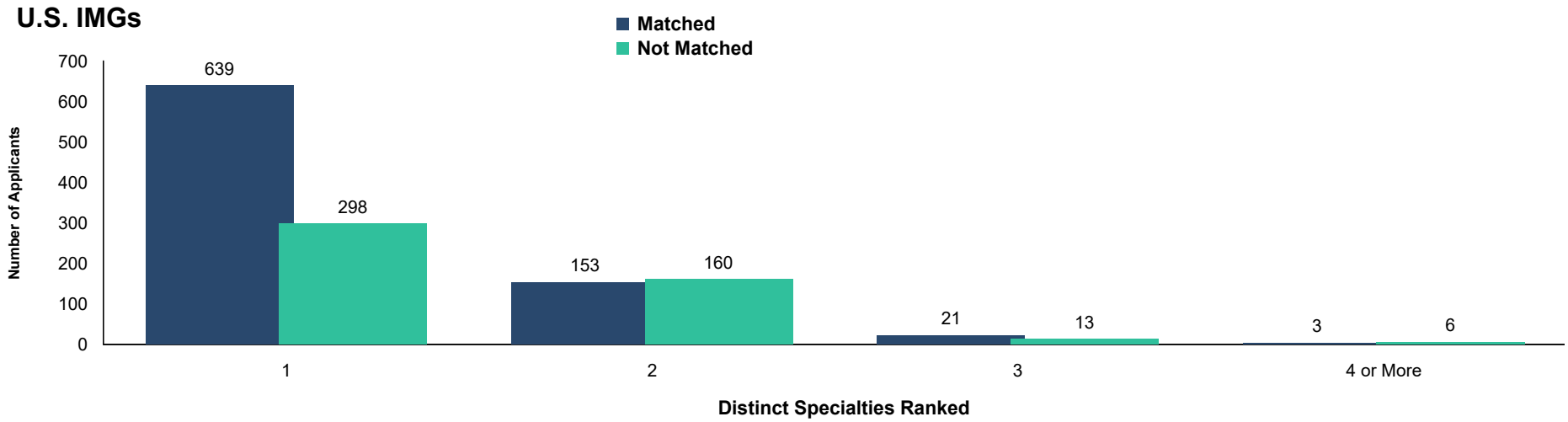
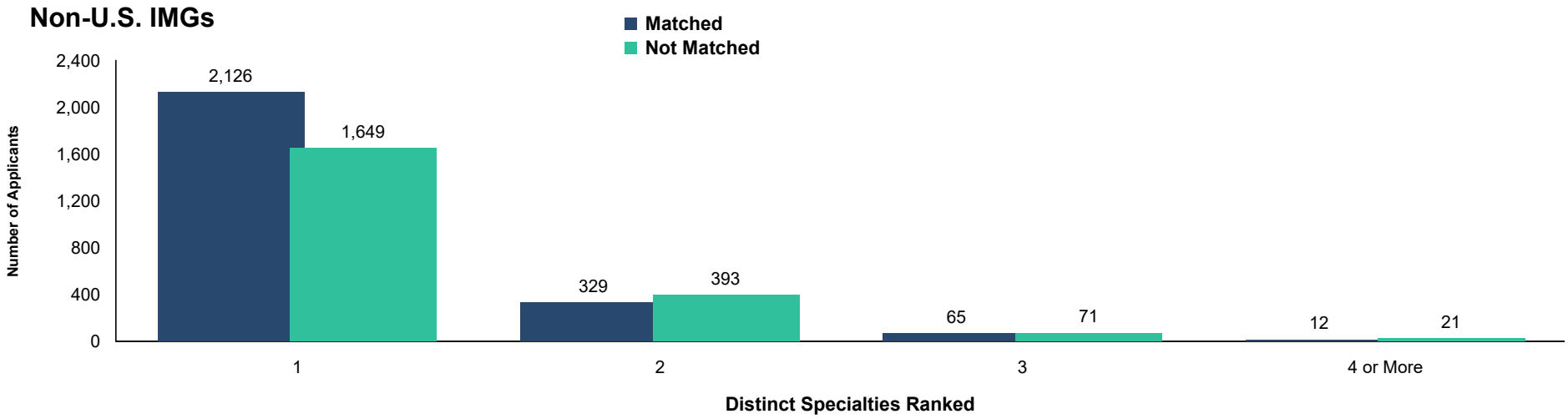
Chart IM-1

Number of Distinct Specialties Ranked by International Medical Graduates Internal Medicine





Source: NRMP Data Warehouse

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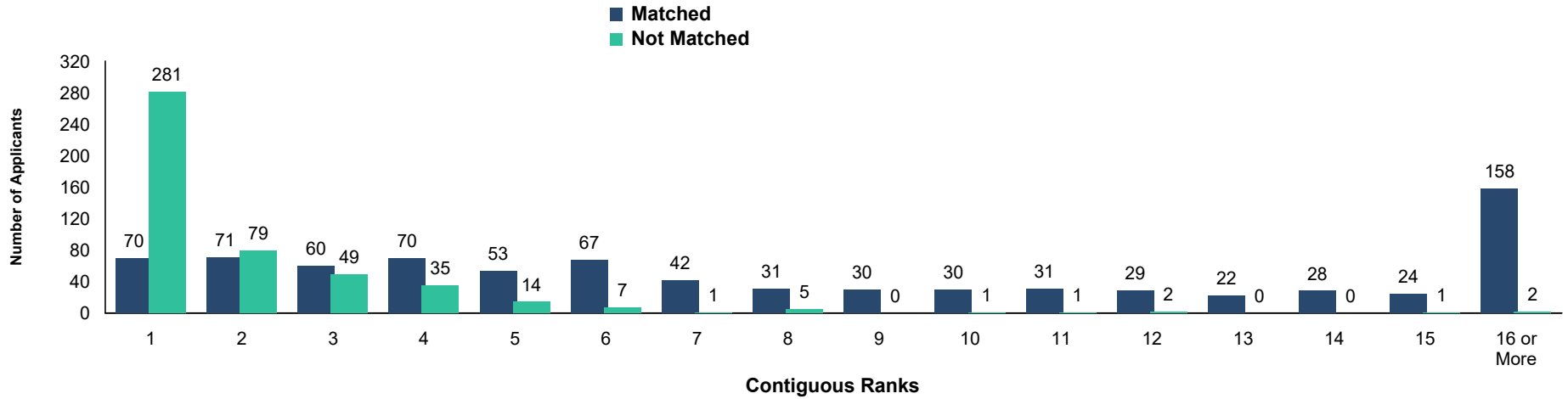
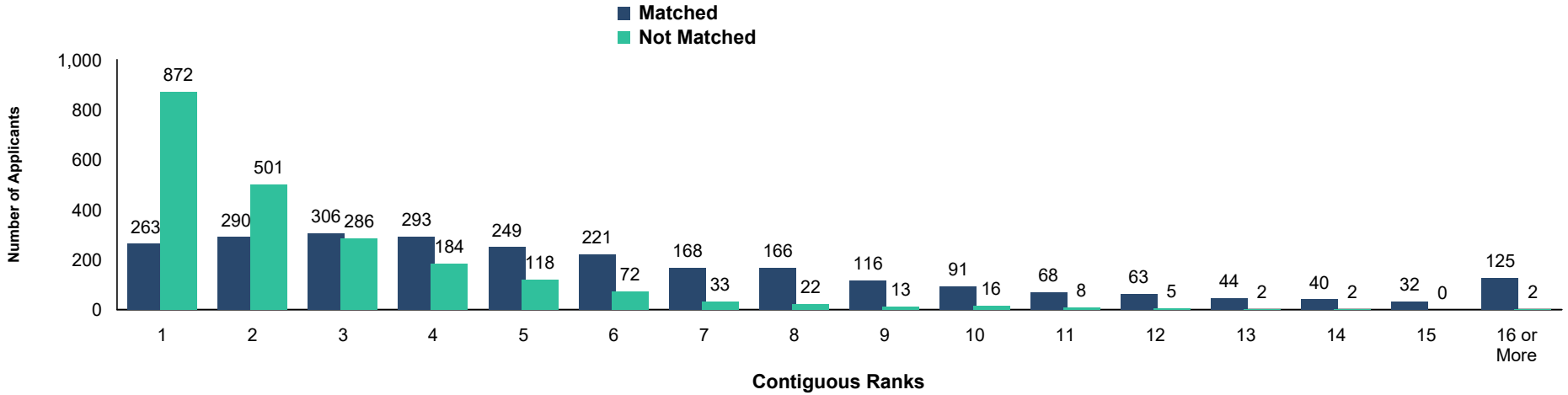
Chart IM-2 Number of Contiguous Ranks of International Medical Graduates Internal Medicine

U.S. IMGs



Non-U.S. IMGs



Source: NRMP Data Warehouse

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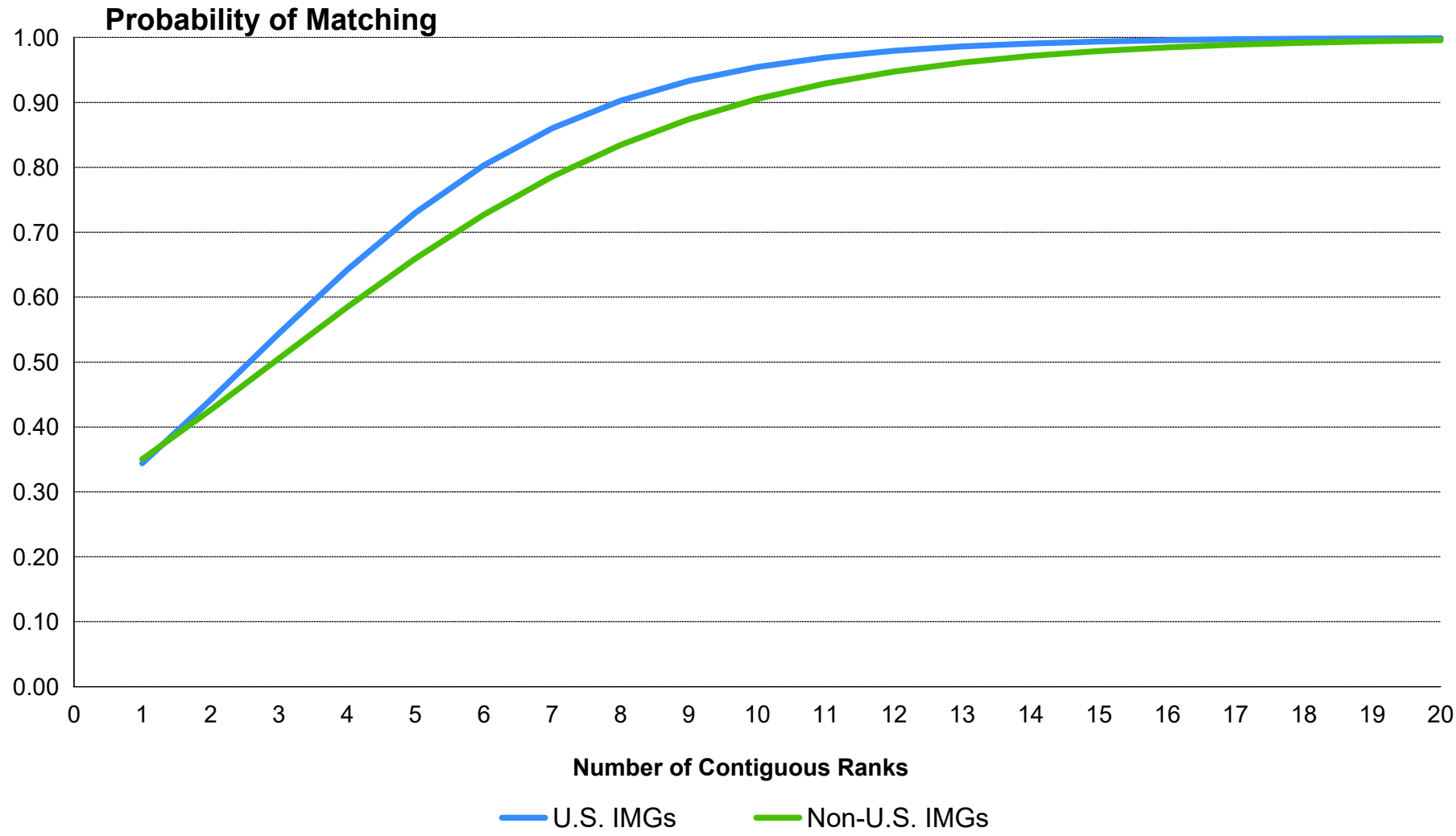
Graph IM-1

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 2022-2024 applicants

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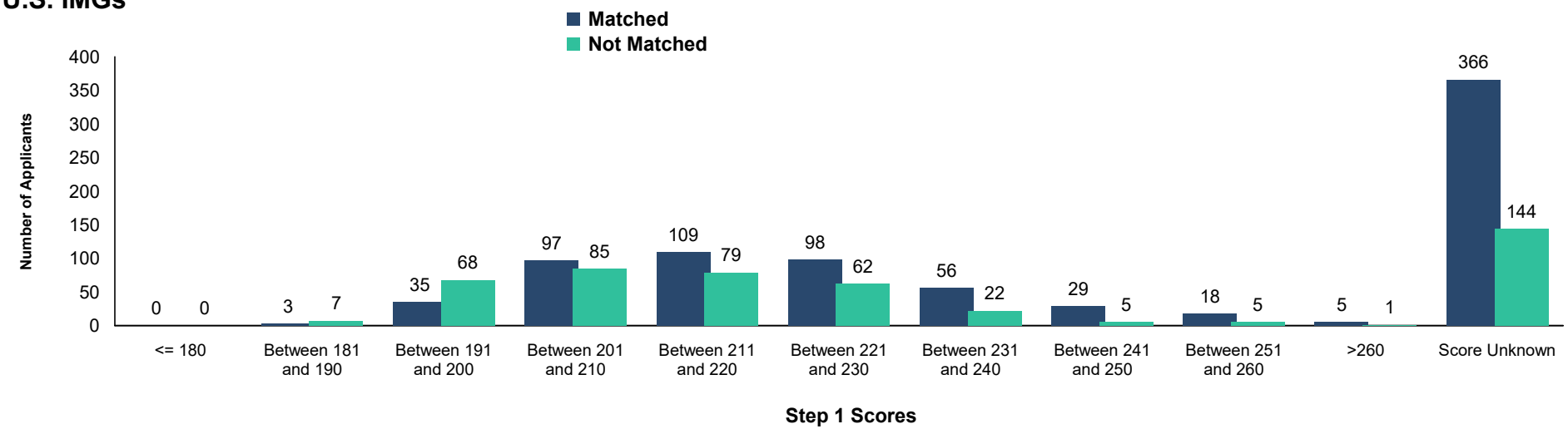
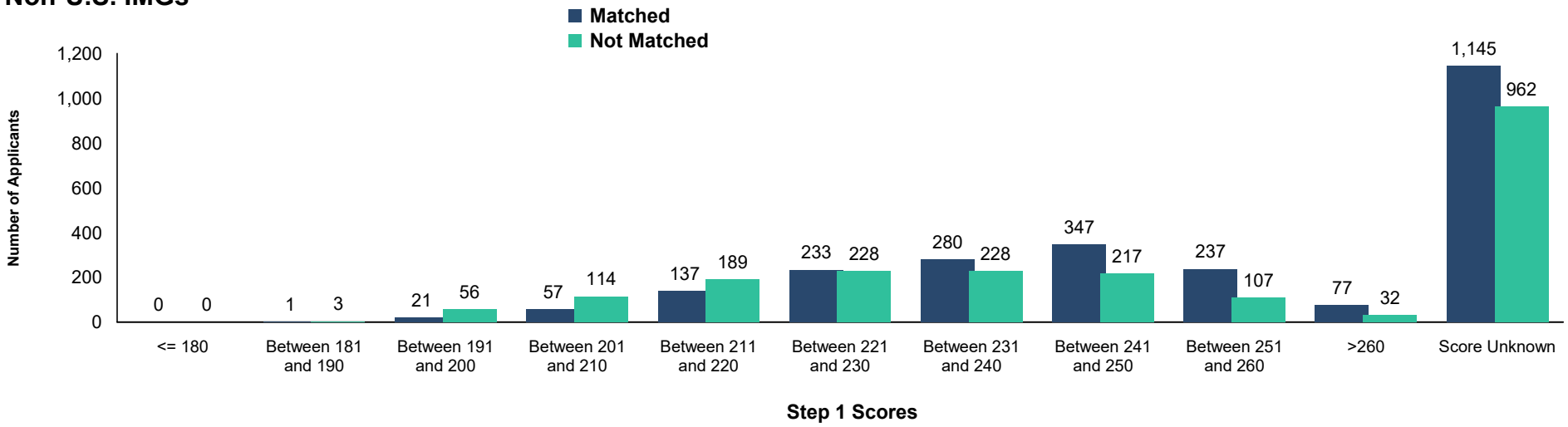
Chart IM-3 USMLE Step 1 Scores of International Medical Graduates

Internal Medicine

U.S. IMGs



Non-U.S. IMGs



Source: NRMP Data Warehouse

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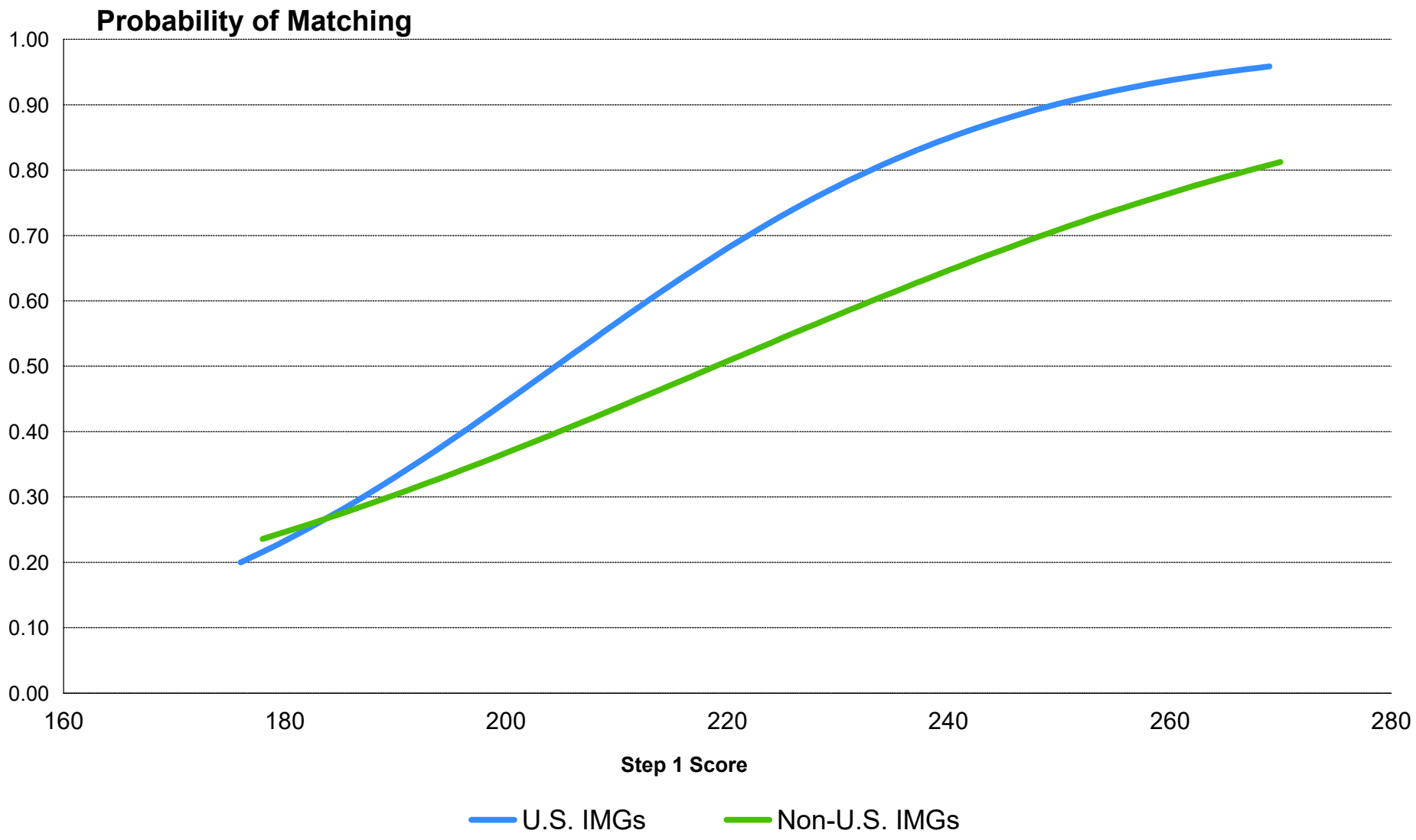
Graph IM-2

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 2022-2024 applicants.

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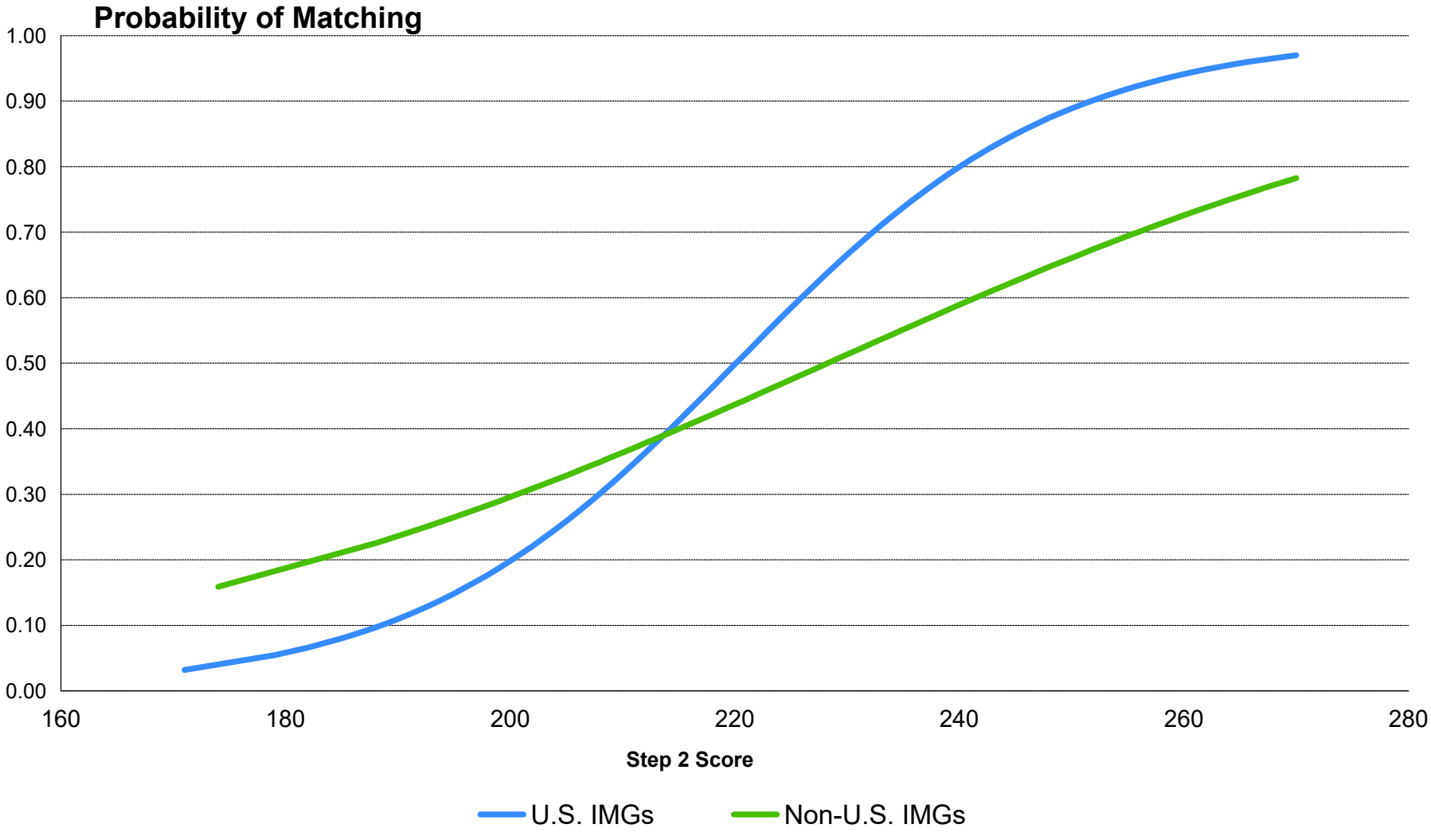
Graph IM-3

Probability of International Medical Graduates Matching to Preferred Specialty by USMLE Step 2 Score

Internal Medicine



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

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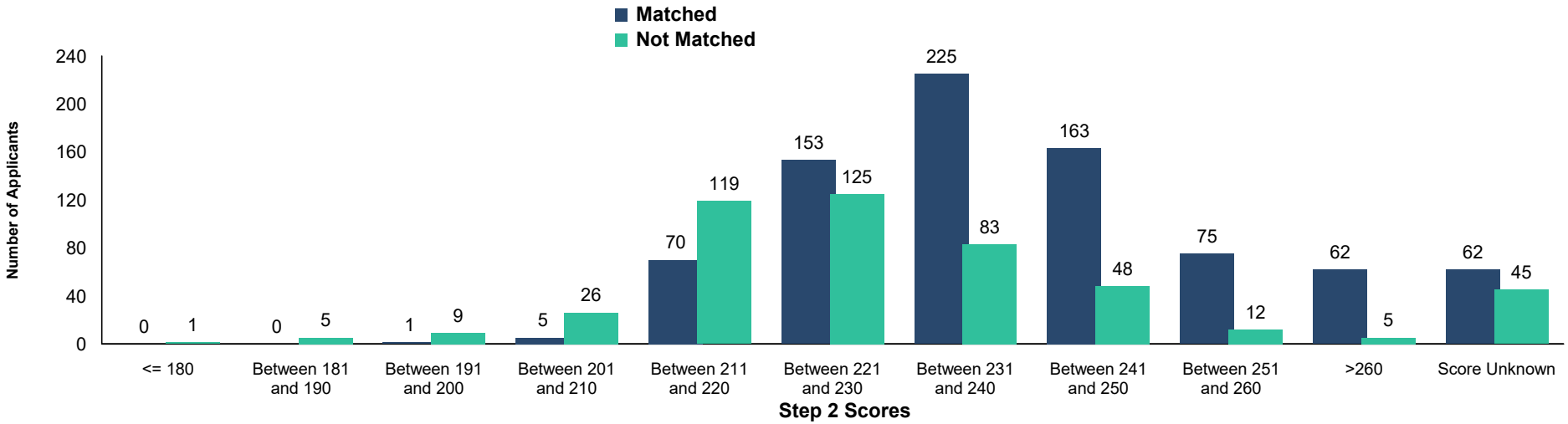
Chart IM-4

USMLE Step 2 CK Scores of International Medical Graduates

Internal Medicine

U.S. IMGs



Non-U.S. IMGs

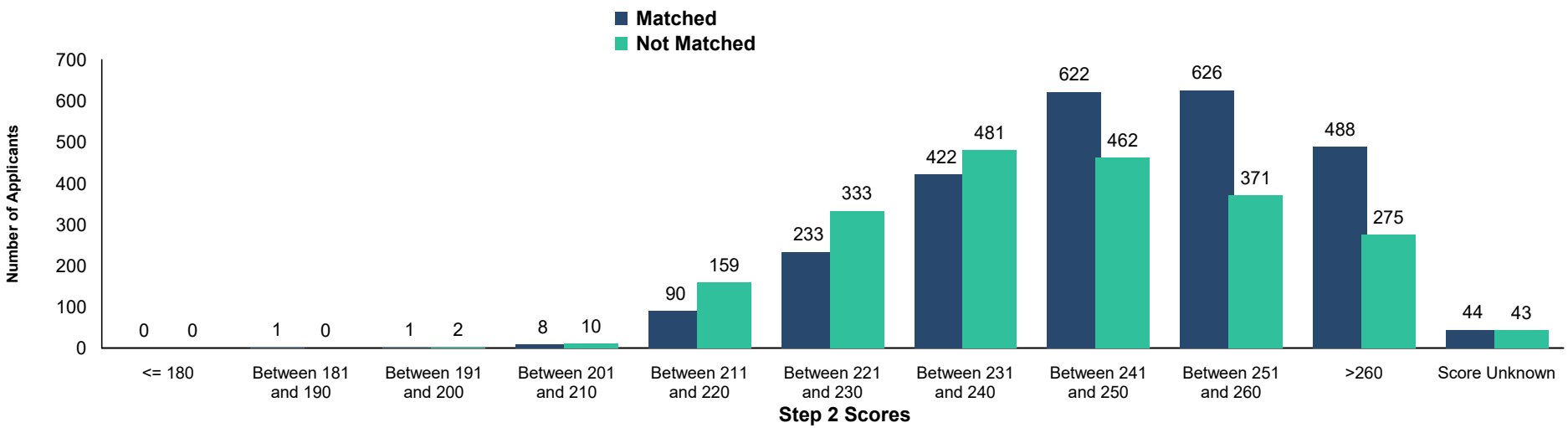


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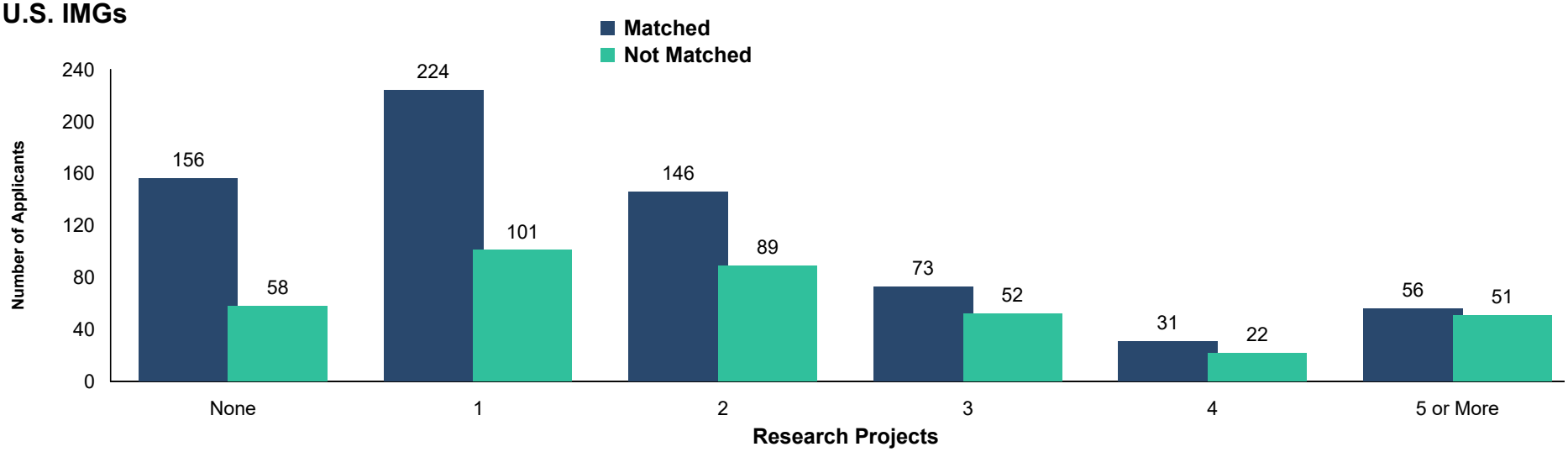
Chart IM-5

Number of Research Projects of International Medical Graduates

Internal Medicine

U.S. IMGs



Non-U.S. IMGs

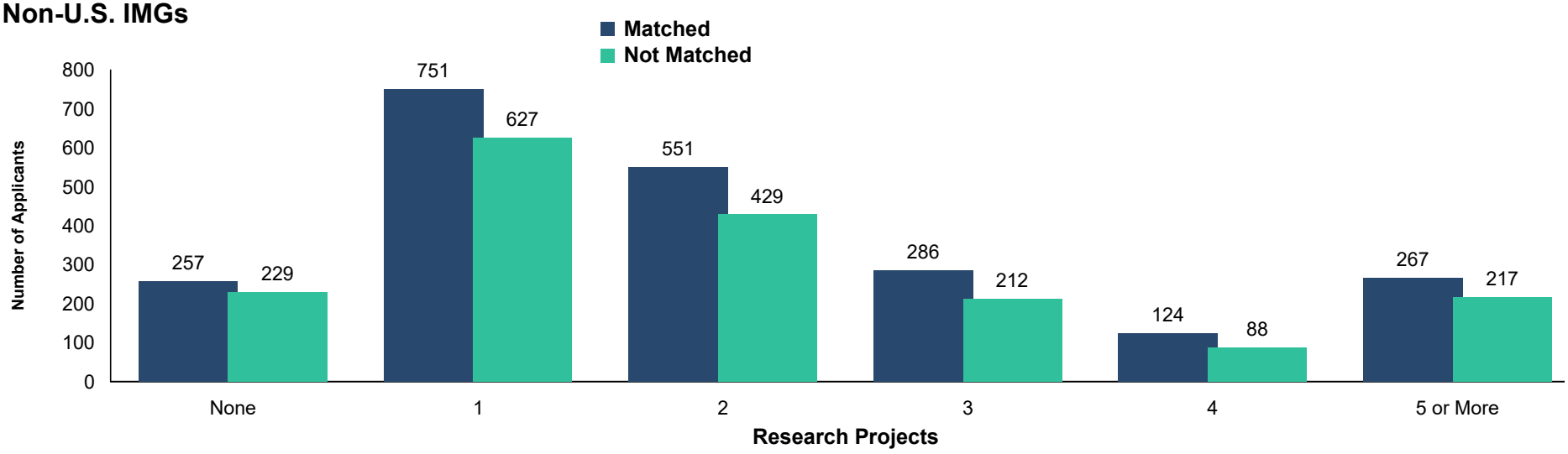


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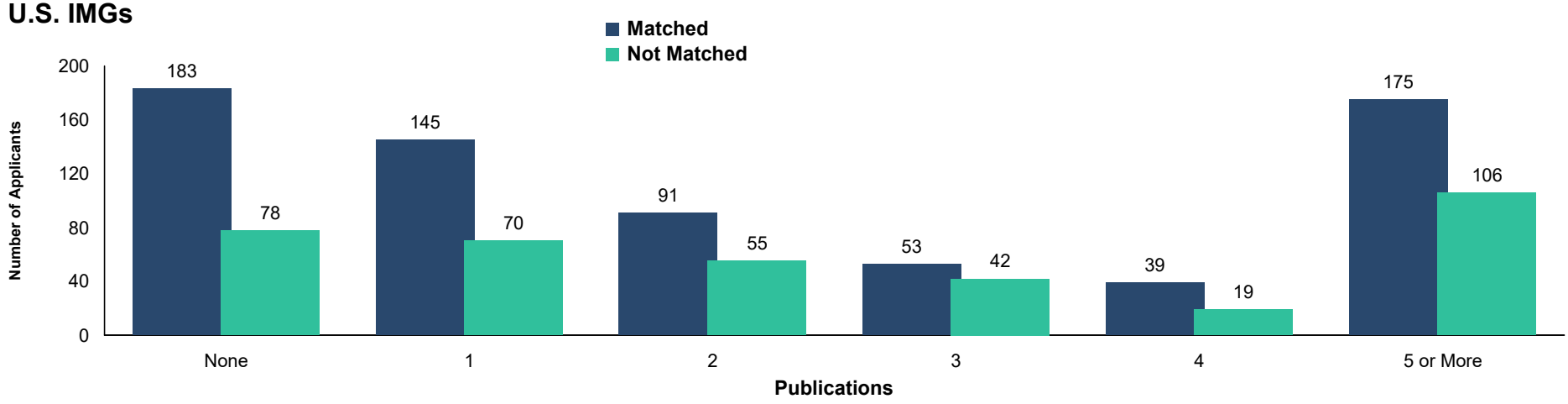
Chart IM-6

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

Internal Medicine

U.S. IMGs



Non-U.S. IMGs

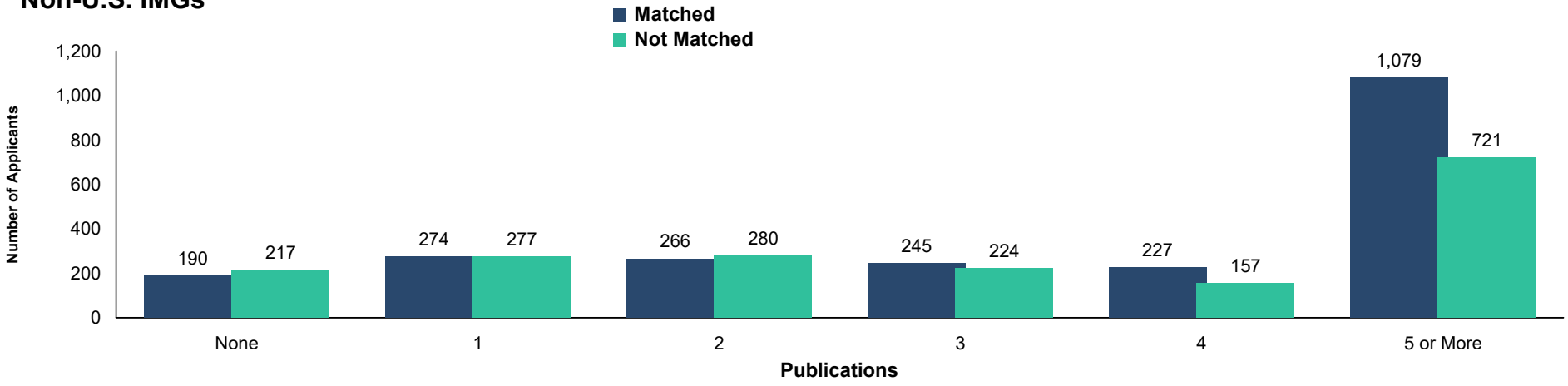


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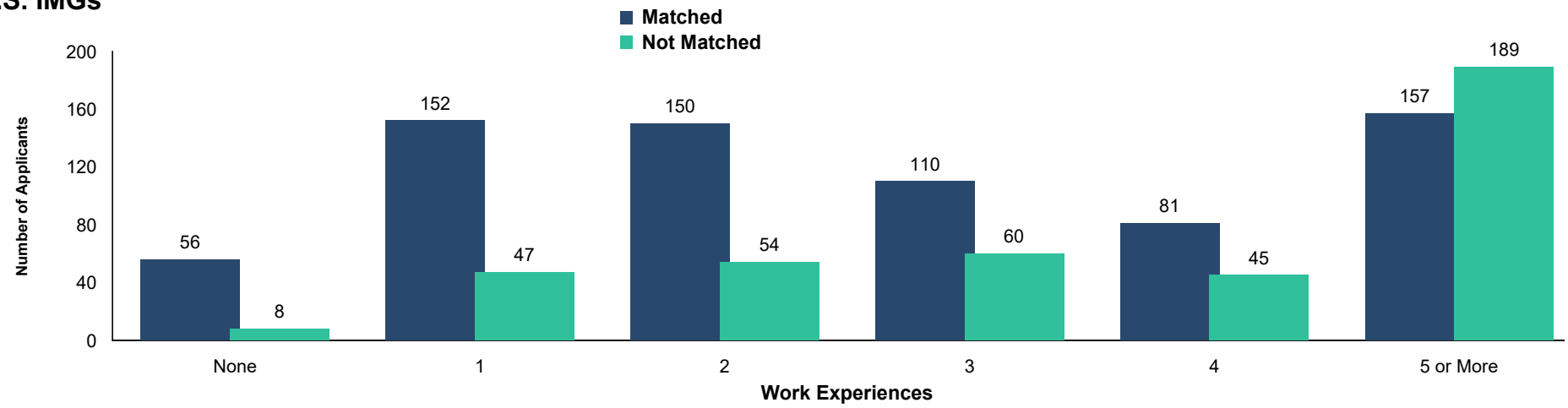
Chart IM-7

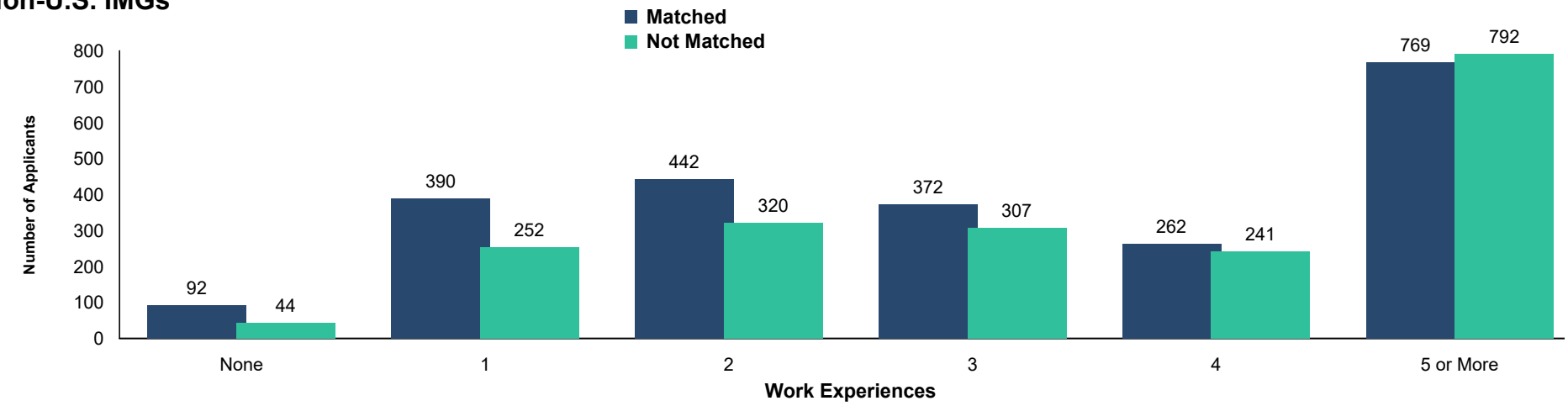
Number of Work Experiences of International Medical Graduates

Internal Medicine

U.S. IMGs



Non-U.S. IMGs



Source: NRMP Data Warehouse

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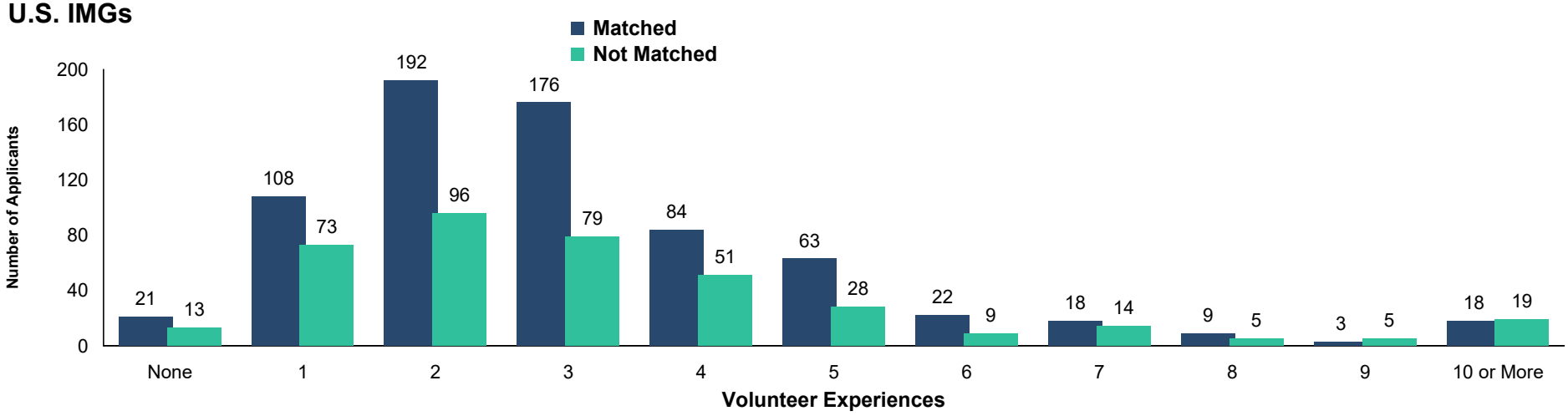
Chart IM-8

Number of Volunteer Experiences of International Medical Graduates

Internal Medicine

U.S. IMGs



Non-U.S. IMGs

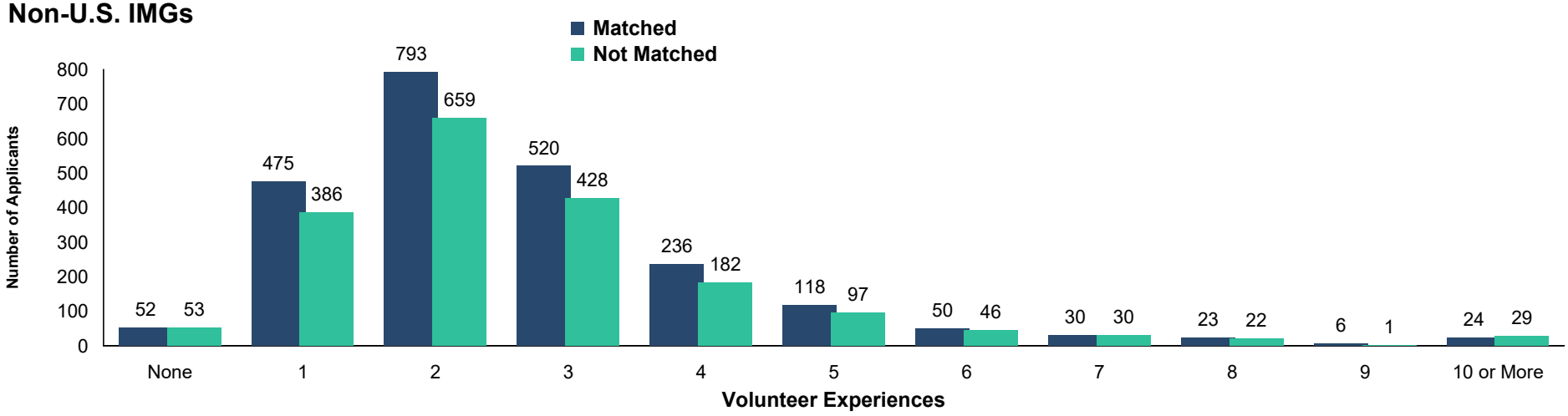


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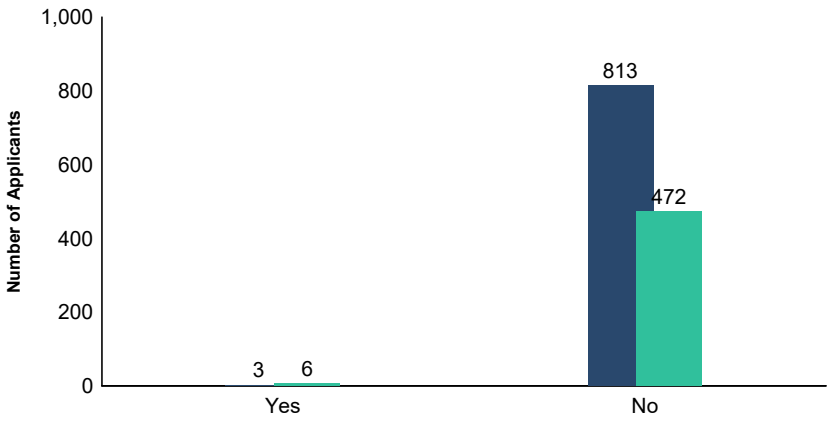
Chart IM-9

Other Characteristics of International Medical Graduates

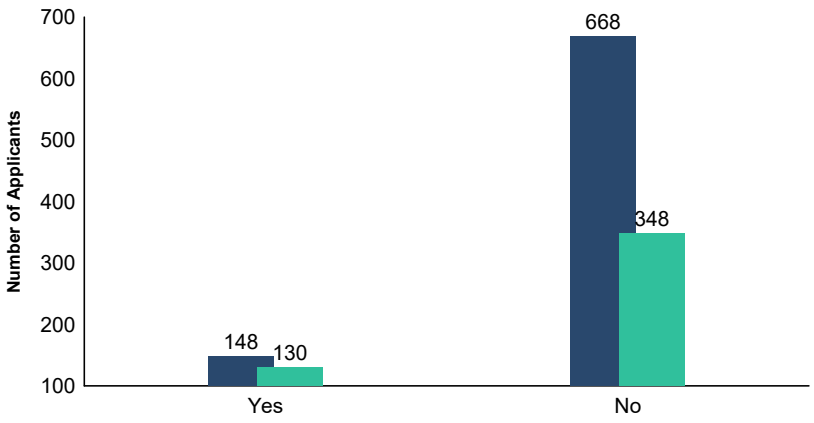
Internal Medicine

U.S. IMGs

Ph.D. Degree

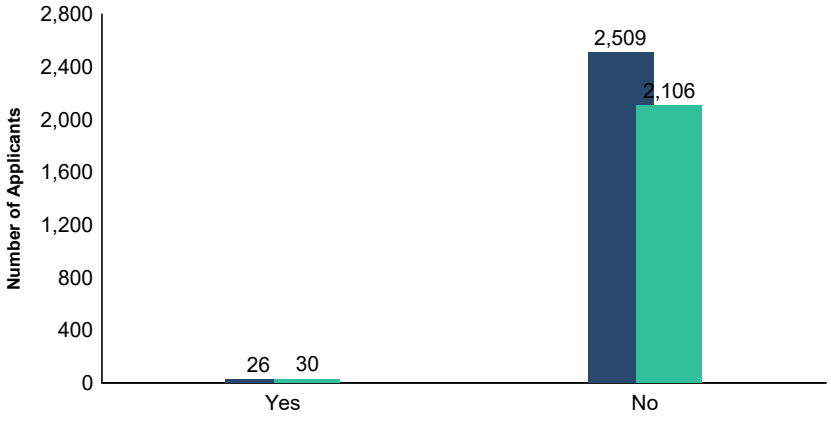


Other Graduate Degree

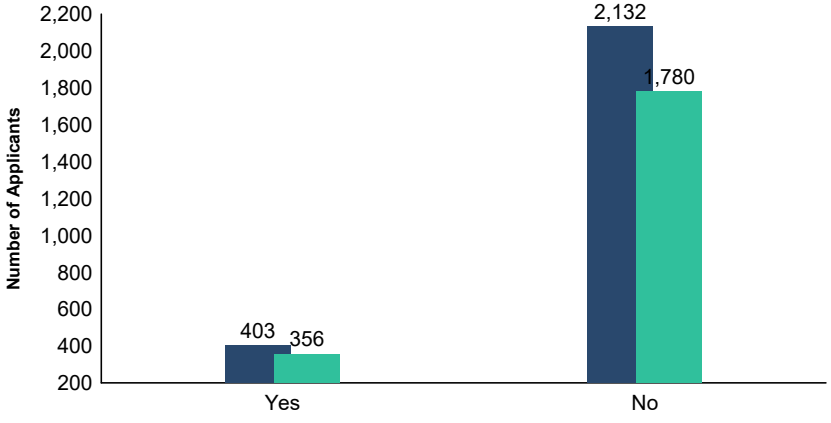


Non-U.S. IMGs

Ph.D. Degree



Other Graduate Degree



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IP Internal Medicine/Pediatrics

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Table IP-1 Summary Statistics
Internal Medicine/Pediatrics

Measure	U.S. IMGs		Non-U.S. IMGs	
	Matched (n=2)	Unmatched (n=2)	Matched (n=10)	Unmatched (n=23)
1. Mean number of contiguous ranks	2.5	1.0	3.4	1.7
2. Mean number of distinct specialties ranked	1.5	3.0	2.4	2.0
3. Mean USMLE Step 1 score*	197	222	225	223
4. Mean USMLE Step 2 score	237	248	246	235
5. Mean number of research experiences	2.0	4.0	2.1	2.7
6. Mean number of abstracts, presentations, and publications	4.0	4.0	2.8	9.6
7. Mean number of work experiences	2.5	7.5	2.6	4.4
8. Mean number of volunteer experiences	3.5	3.0	2.8	2.9
9. Percentage who have a Ph.D. degree	0.0	0.0	0.0	4.5
10. Percentage who have another graduate degree	50.0	0.0	0.0	31.8

Note: * Only applicants who gave consent to use their information in research are included.
*Only applicants who indicated completion of the USMLE Step 1 exam prior to the transition to pass/fail (i.e., prior to January 26, 2022) had the option to self-report their Step 1 numeric score. In 2024, 6,845 IMGs (2,248 U.S. IMGs and 4,597 non-U.S. IMGs) self-reported Step 1 numeric scores.
Source. NRMP Data Warehouse

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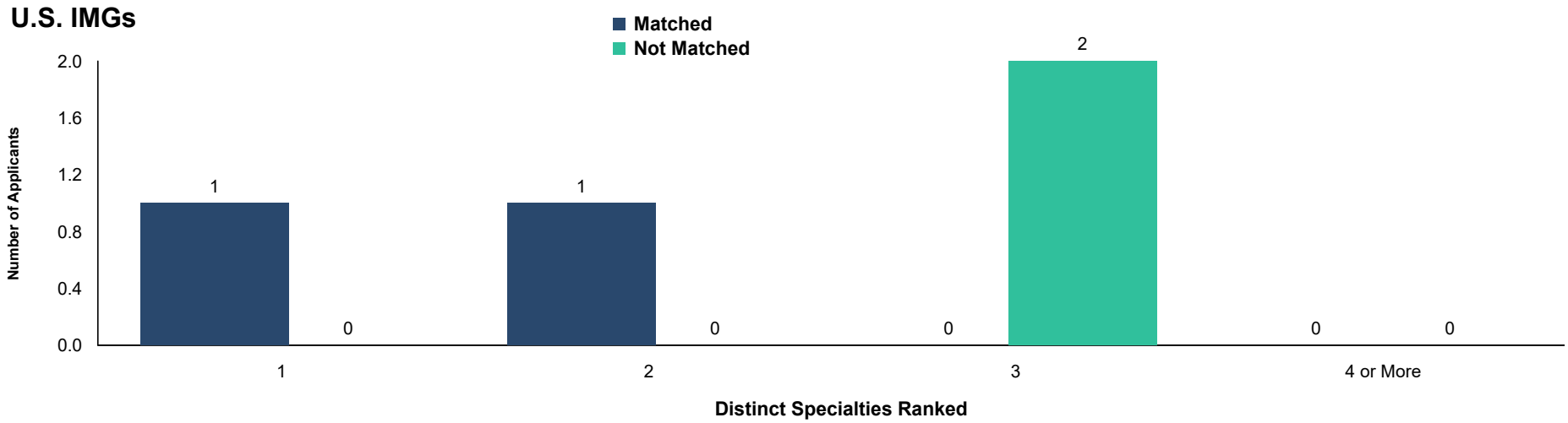
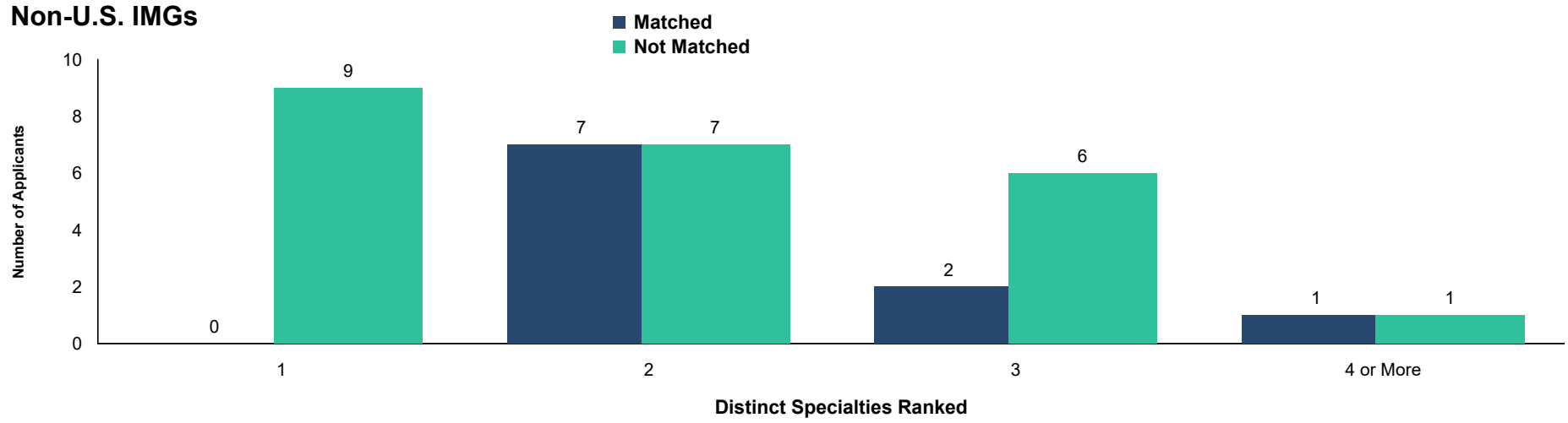
Chart IP-1 Number of Distinct Specialties Ranked by International Medical Graduates Internal Medicine/Pediatrics





Source: NRMP Data Warehouse

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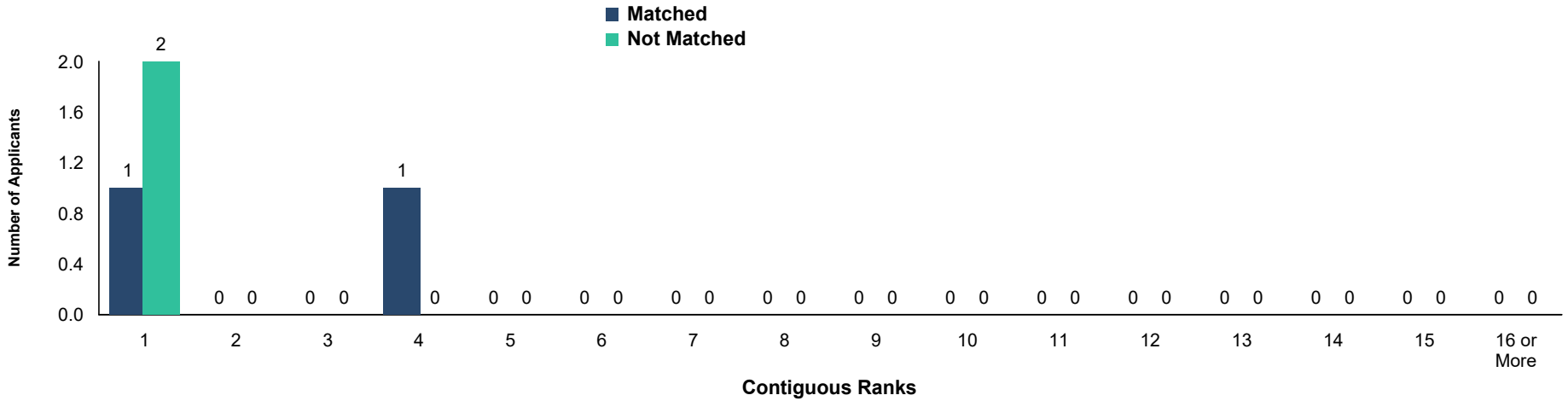
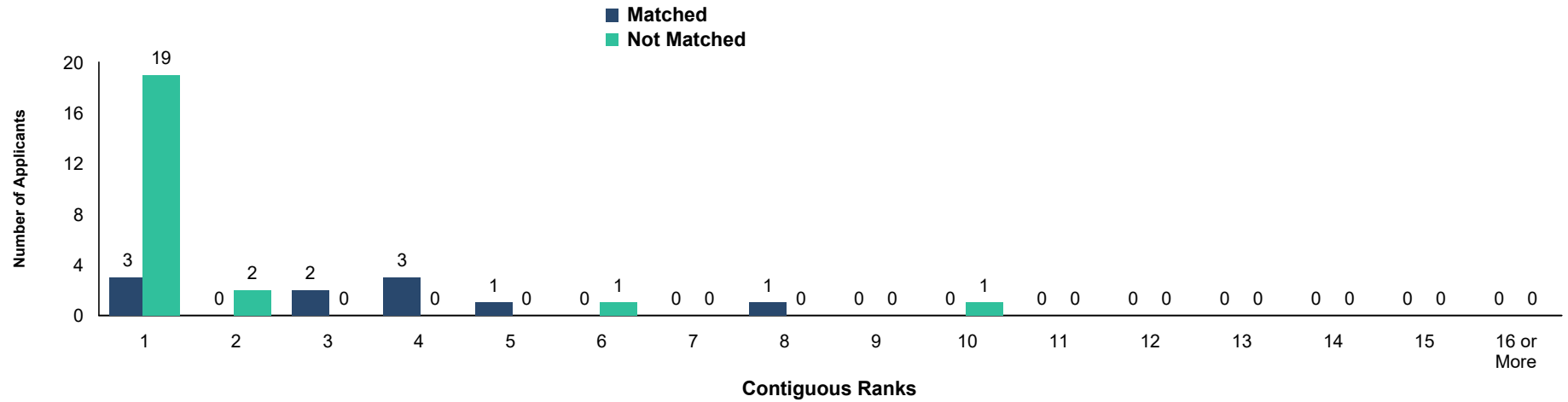
Chart IP-2 Number of Contiguous Ranks of International Medical Graduates Internal Medicine/Pediatrics

U.S. IMGs



Non-U.S. IMGs



Source: NRMP Data Warehouse

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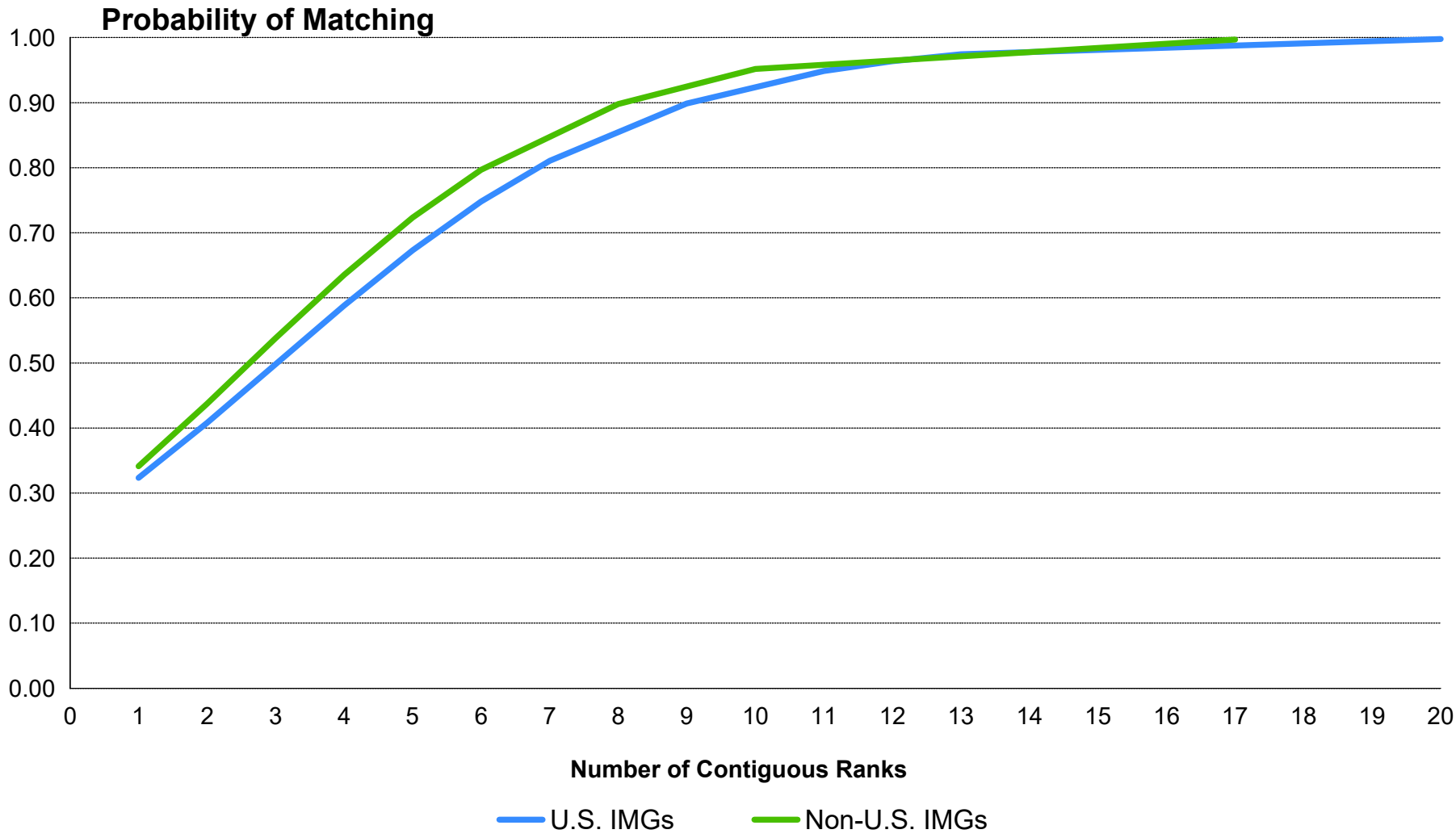
Graph IP-1

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 2022-2024 applicants

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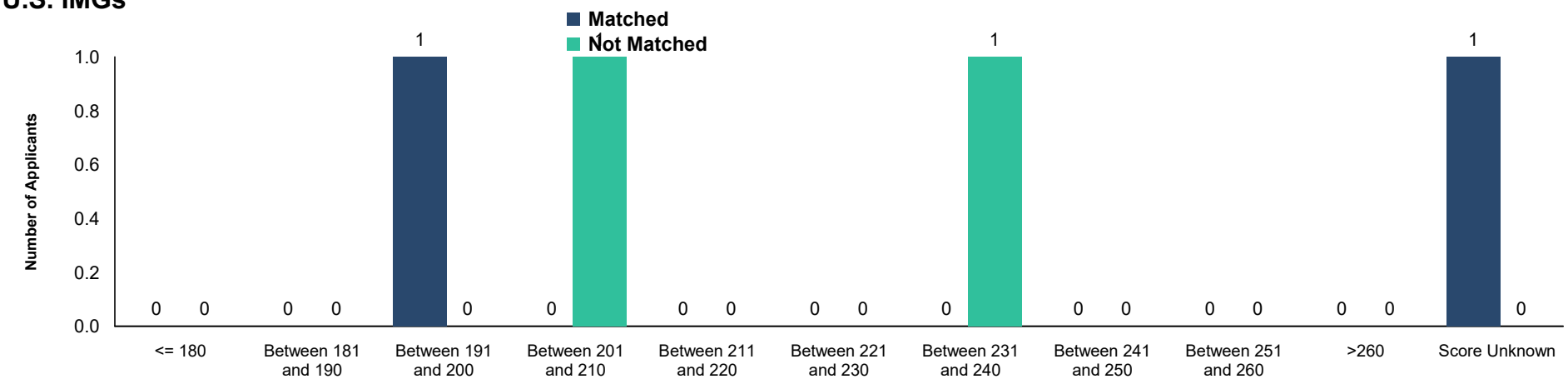
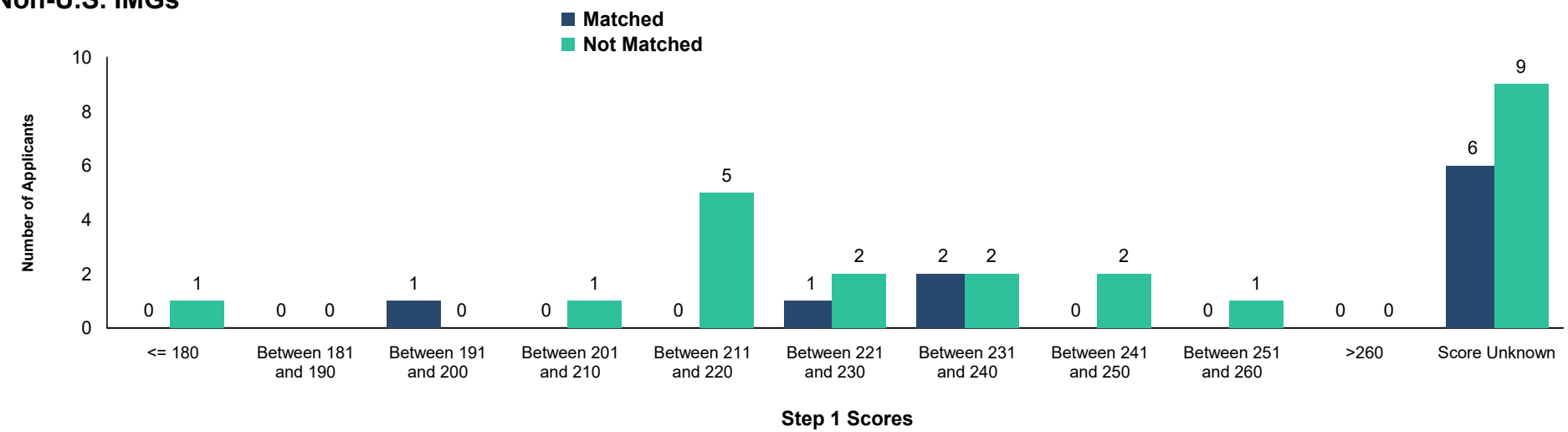
Chart IP-3 USMLE Step 1 Scores of International Medical Graduates

Internal Medicine/Pediatrics

U.S. IMGs



Non-U.S. IMGs



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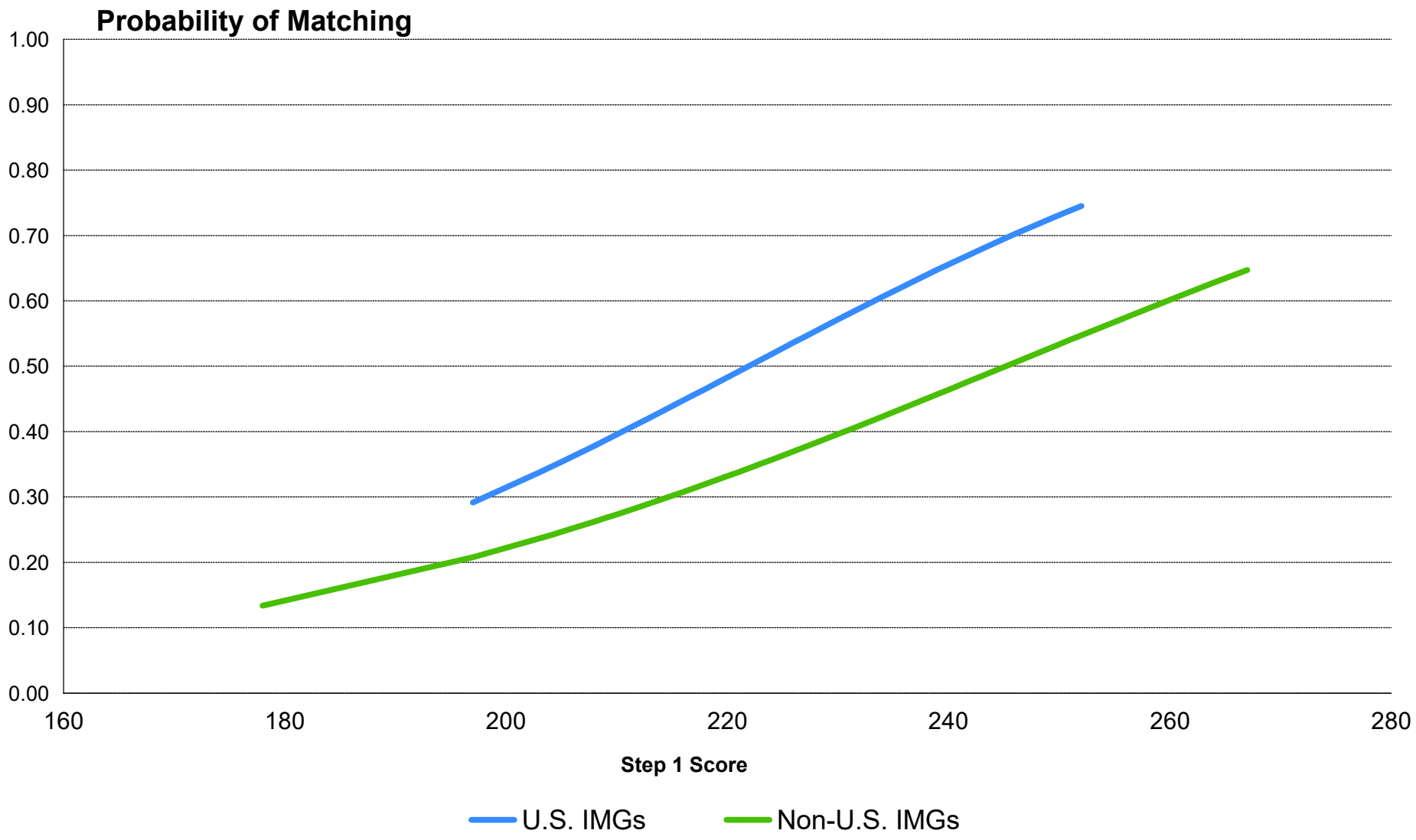
Graph IP-2

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 2022-2024 applicants.

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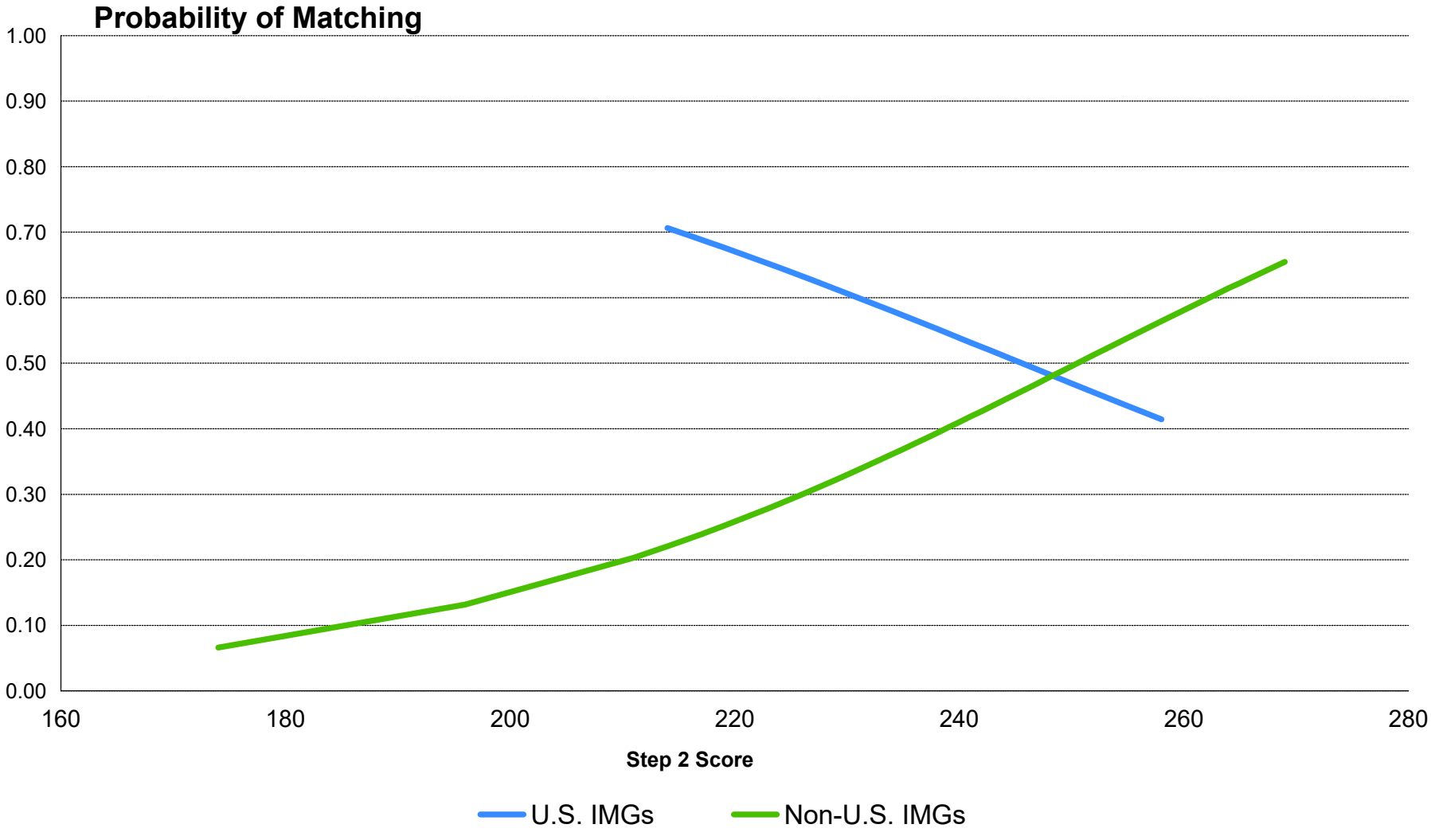
Graph IP-3

Probability of International Medical Graduates Matching to Preferred Specialty by USMLE Step 2 Score

Internal Medicine/Pediatrics



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

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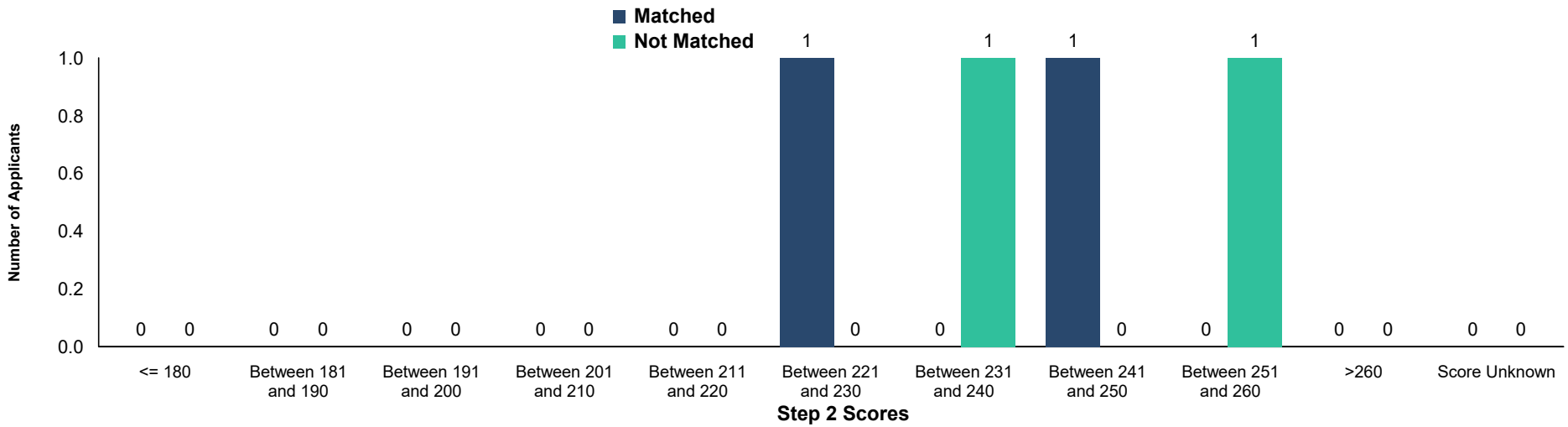
Chart IP-4

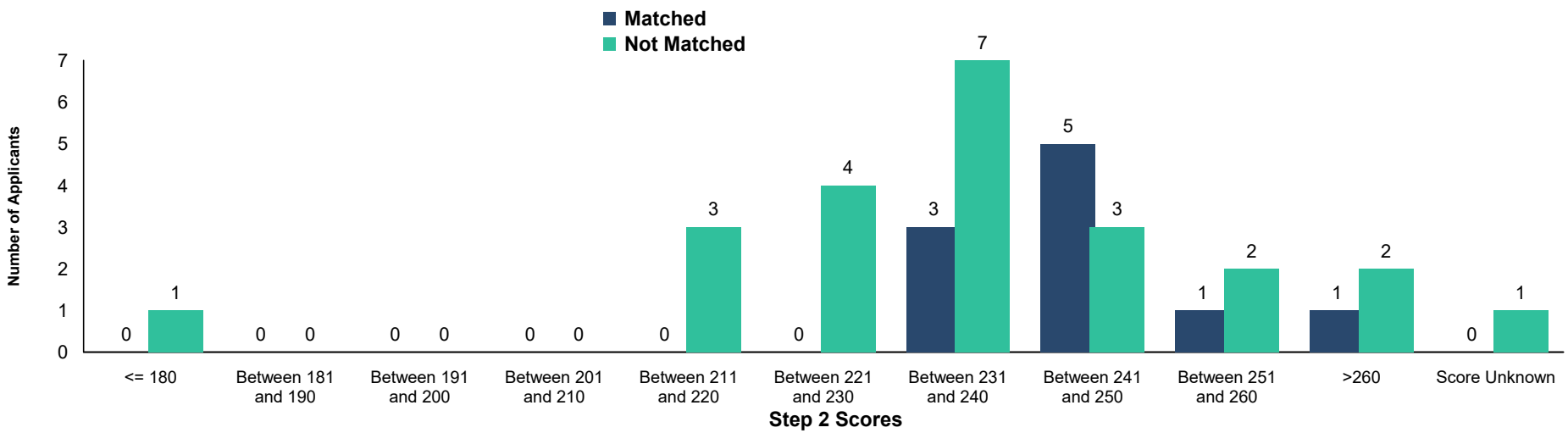
USMLE Step 2 CK Scores of International Medical Graduates

Internal Medicine/Pediatrics

U.S. IMGs



Non-U.S. IMGs



Source: NRMP Data Warehouse

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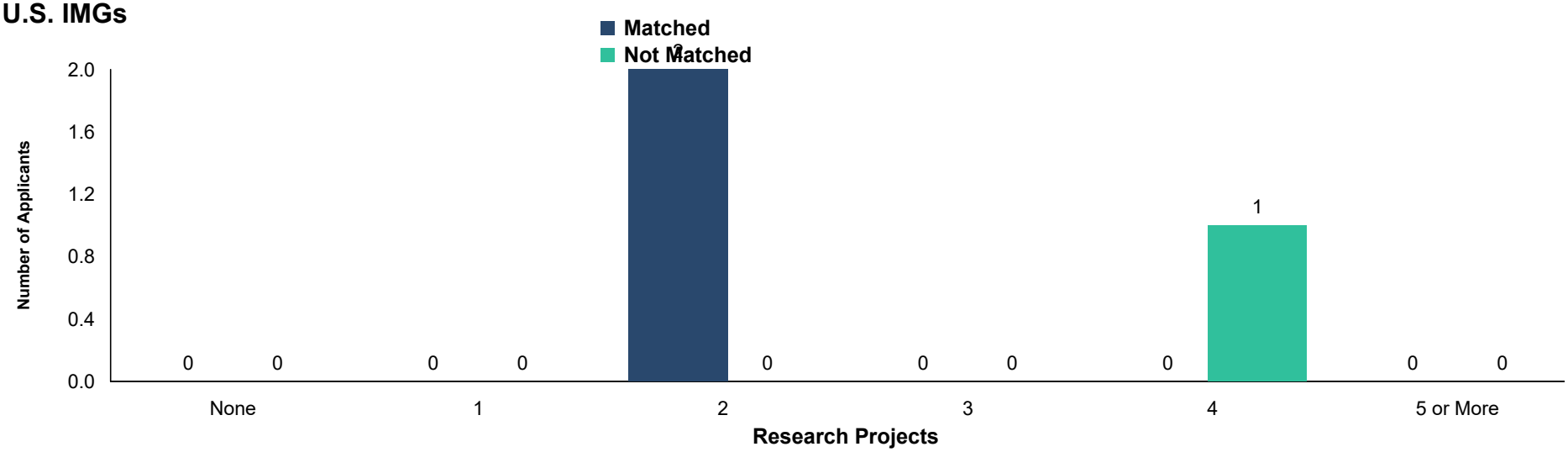
Chart IP-5

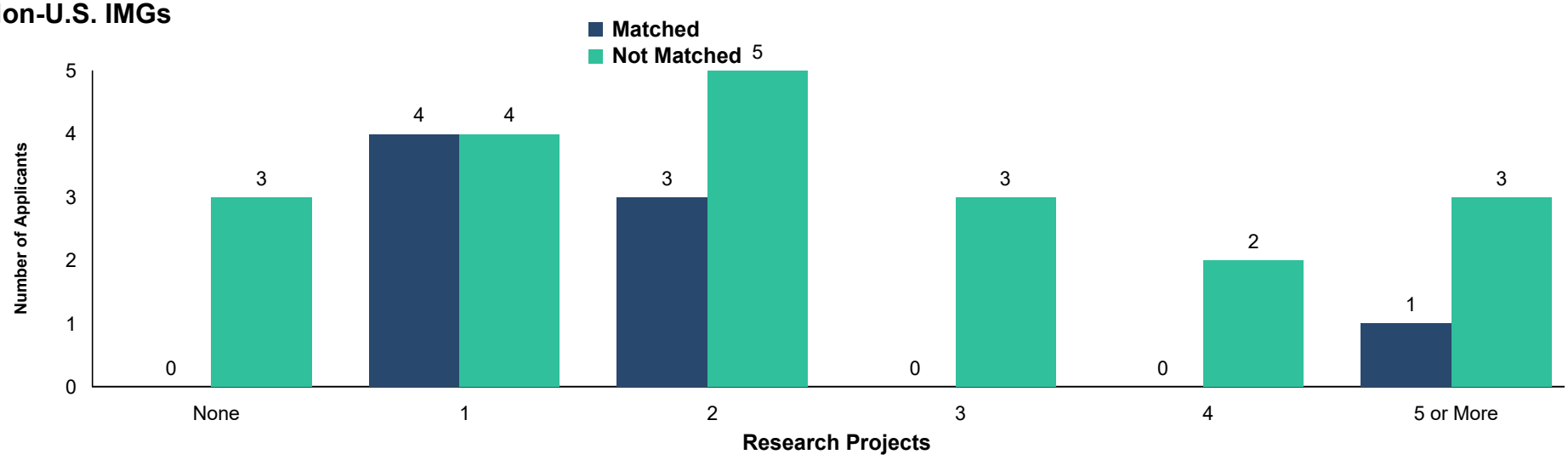
Number of Research Projects of International Medical Graduates

Internal Medicine/Pediatrics

U.S. IMGs



Non-U.S. IMGs



Source: NRMP Data Warehouse

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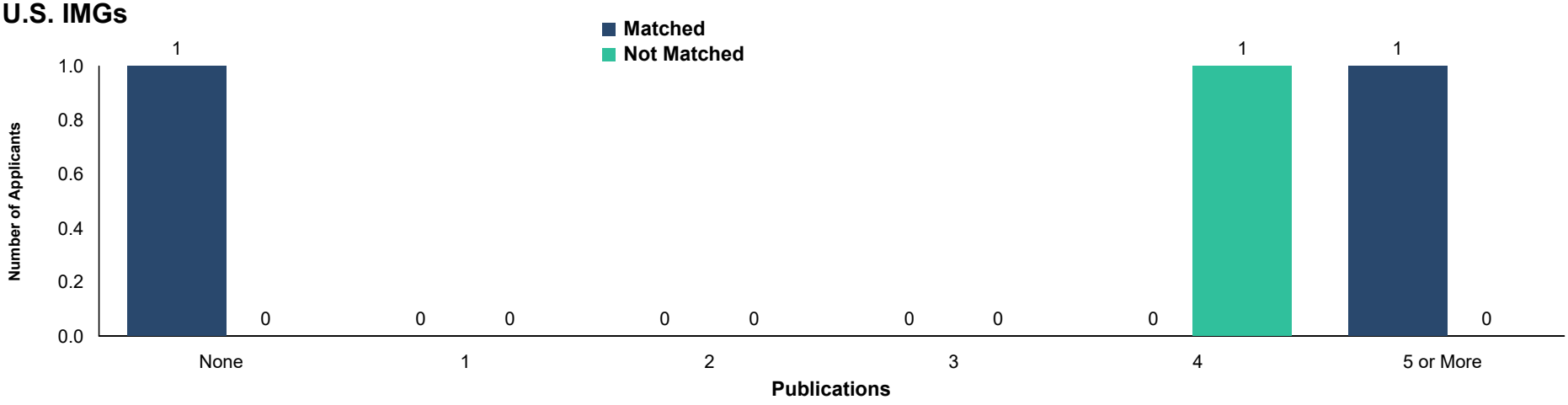
Chart IP-6

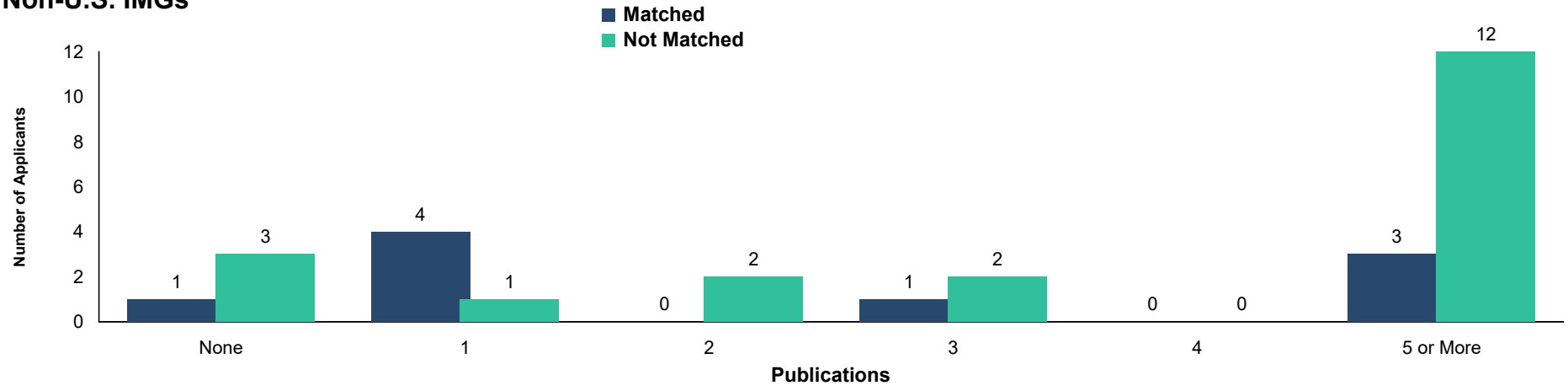
Number of Abstracts, Presentations, and Publications of International Medical Graduates

Internal Medicine/Pediatrics

U.S. IMGs



Non-U.S. IMGs



Source: NRMP Data Warehouse

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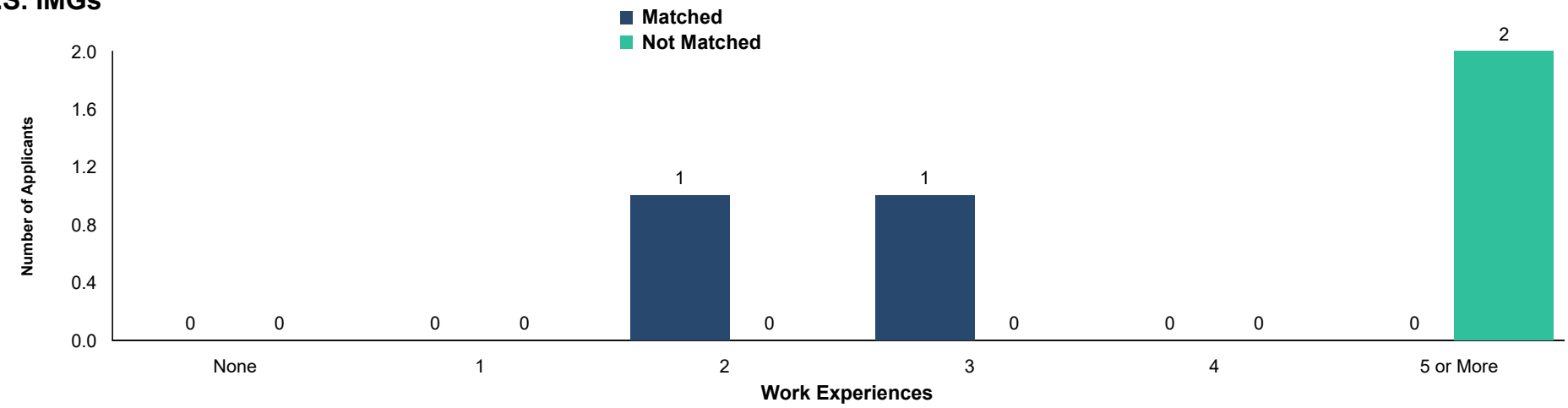
Chart IP-7

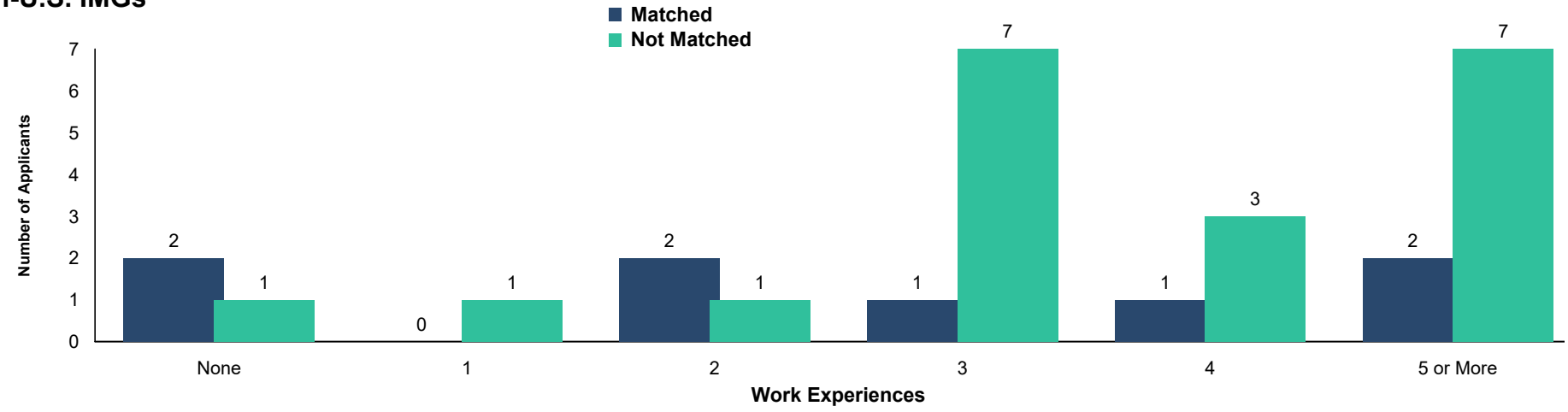
Number of Work Experiences of International Medical Graduates

Internal Medicine/Pediatrics

U.S. IMGs



Non-U.S. IMGs



Source: NRMP Data Warehouse

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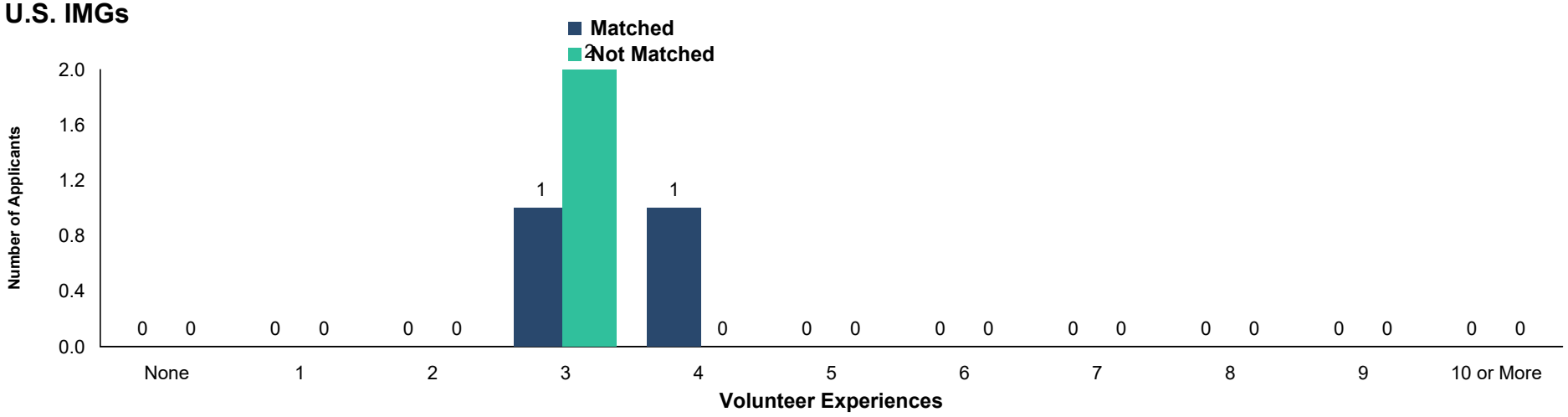
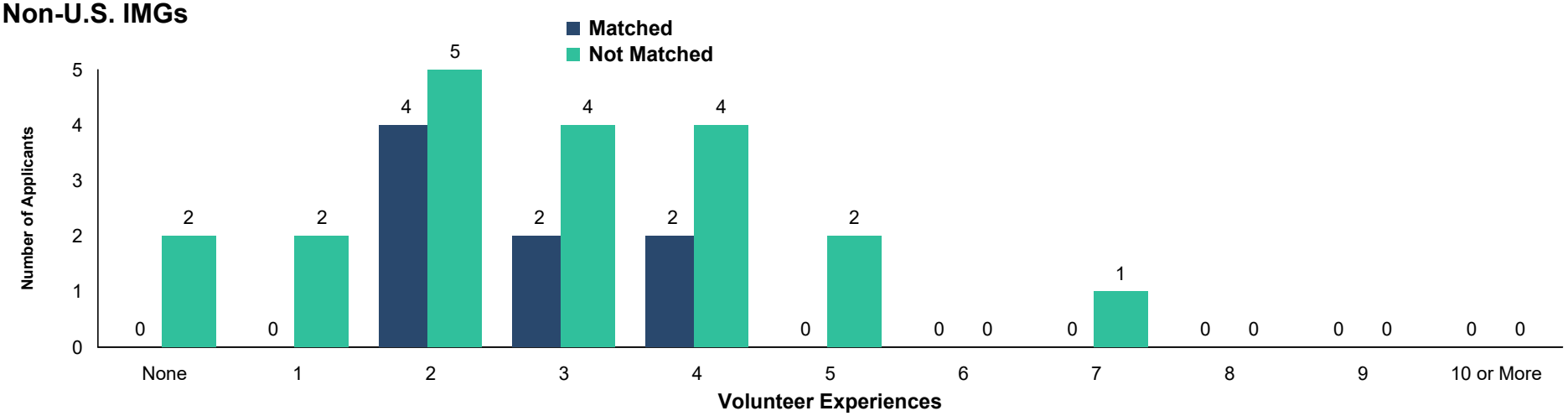
Chart IP-8 Number of Volunteer Experiences of International Medical Graduates

Internal Medicine/Pediatrics

U.S. IMGs



Non-U.S. IMGs



Source: NRMP Data Warehouse

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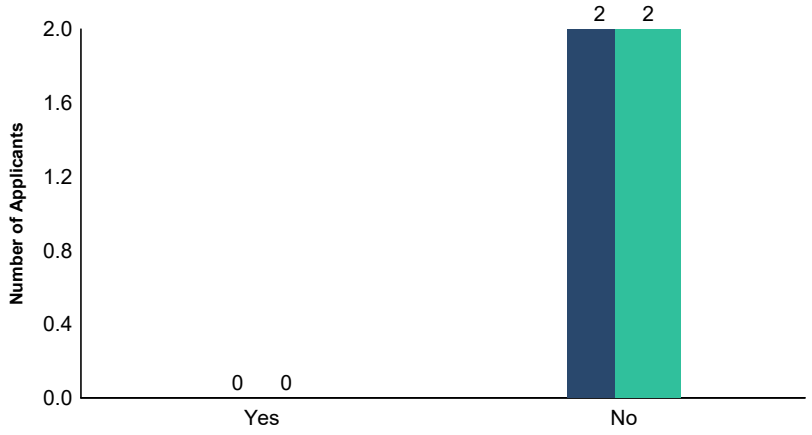
Chart IP-9 Other Characteristics of International Medical Graduates

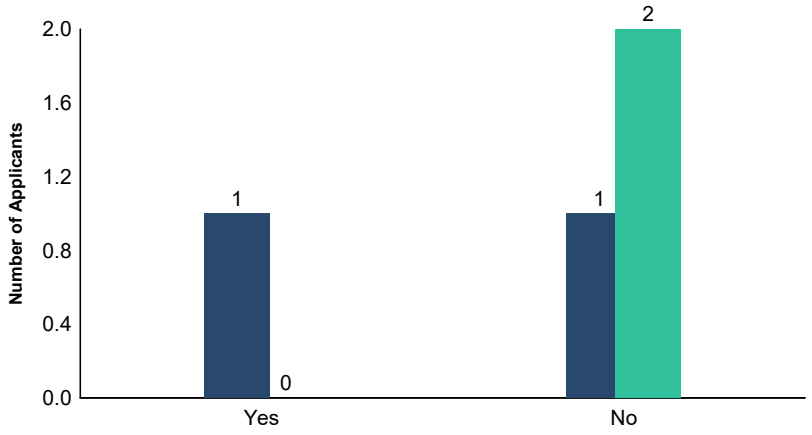
Internal Medicine/Pediatrics

U.S. IMGs

Ph.D. Degree

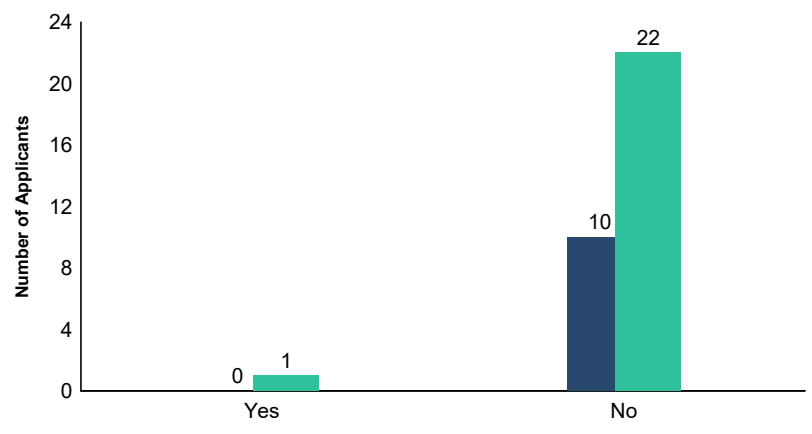


Other Graduate Degree

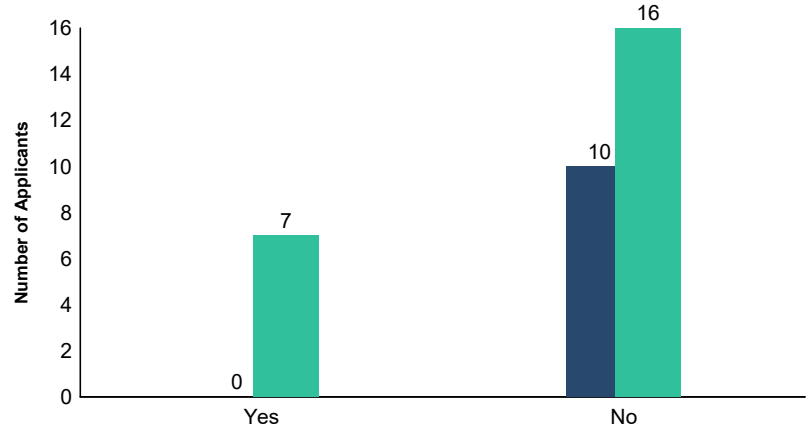


Non-U.S. IMGs

Ph.D. Degree



Other Graduate Degree



Source: NRMP Data Warehouse

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IR Interventional Radiology

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Table IR-1 Summary Statistics
Interventional Radiology

Measure	U.S. IMGs		Non-U.S. IMGs	
	Matched (n=3)	Unmatched (n=8)	Matched (n=8)	Unmatched (n=11)
1. Mean number of contiguous ranks	2.3	1.8	4.0	1.6
2. Mean number of distinct specialties ranked	3.3	3.3	2.1	3.3
3. Mean USMLE Step 1 score*	229	234	244	246
4. Mean USMLE Step 2 score	245	243	259	249
5. Mean number of research experiences	3.0	2.2	2.4	4.5
6. Mean number of abstracts, presentations, and publications	6.0	7.4	16.1	8.8
7. Mean number of work experiences	3.5	5.7	1.4	3.2
8. Mean number of volunteer experiences	3.0	3.7	2.9	2.2
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	42.9	12.5	27.3

Note: * Only applicants who gave consent to use their information in research are included.
*Only applicants who indicated completion of the USMLE Step 1 exam prior to the transition to pass/fail (i.e., prior to January 26, 2022) had the option to self-report their Step 1 numeric score. In 2024, 6,845 IMGs (2,248 U.S. IMGs and 4,597 non-U.S. IMGs) self-reported Step 1 numeric scores.
Source. NRMP Data Warehouse

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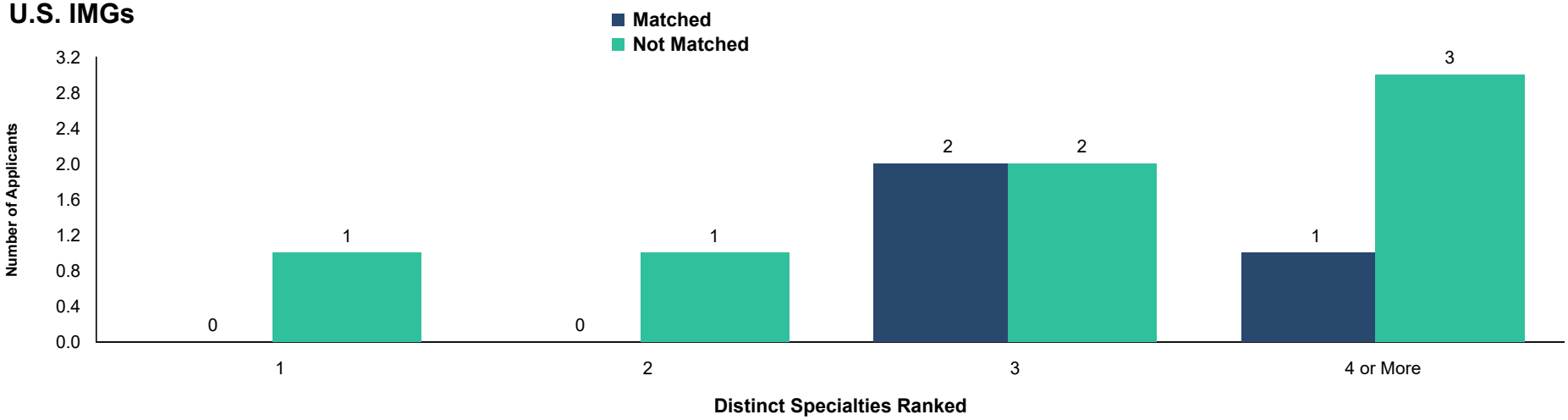
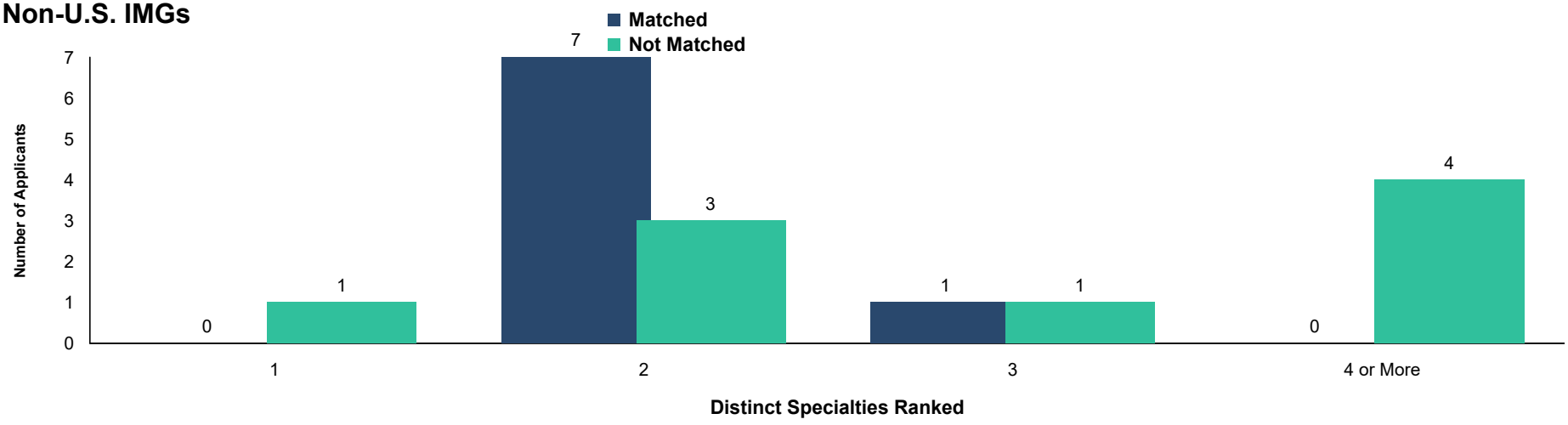
Chart IR-1 Number of Distinct Specialties Ranked by International Medical Graduates Interventional Radiology

U.S. IMGs



Non-U.S. IMGs



Source: NRMP Data Warehouse

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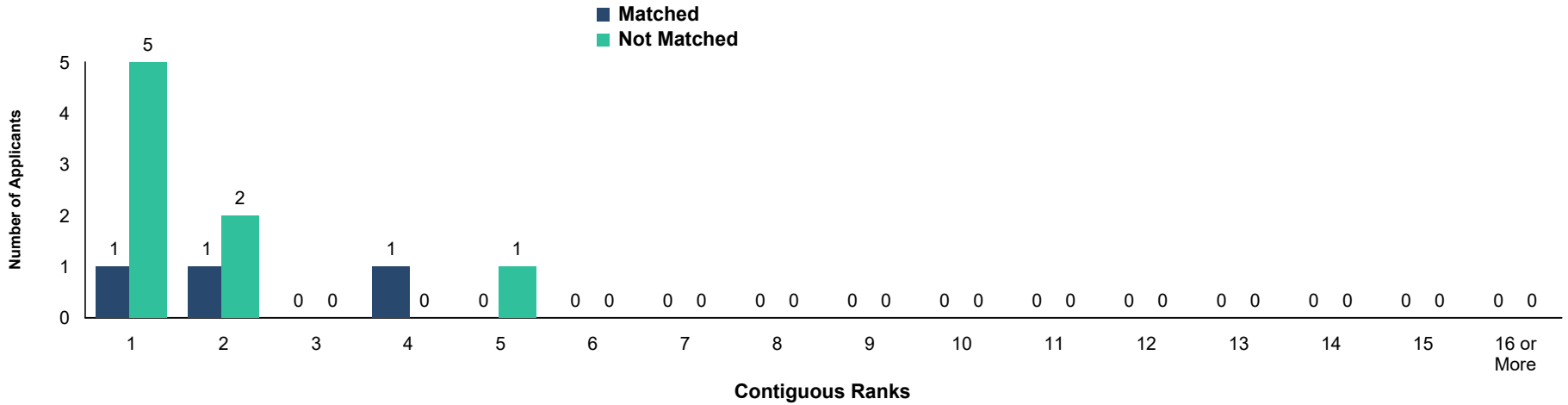
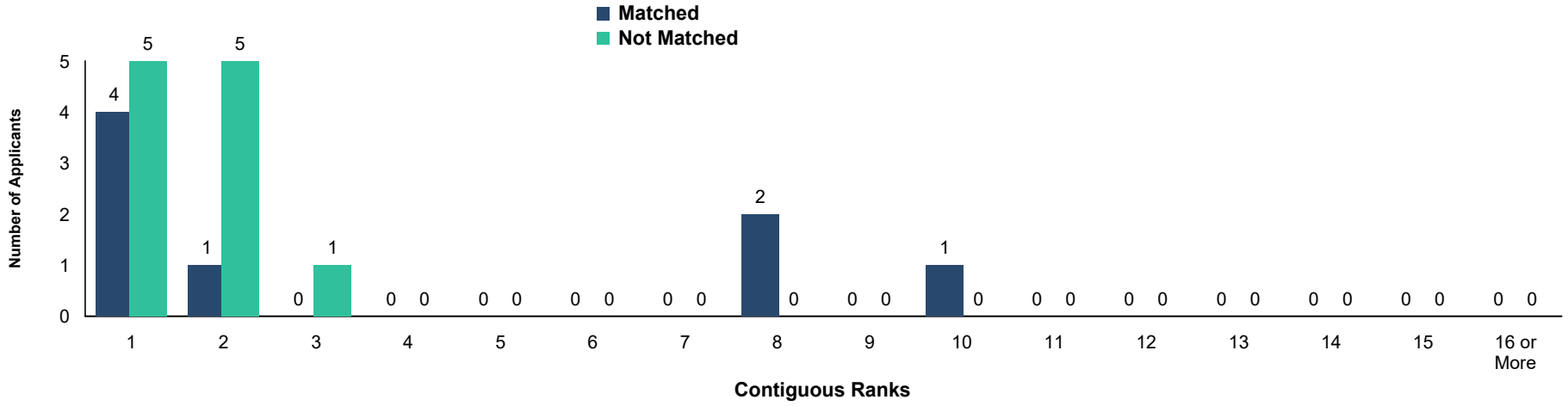
Chart IR-2 Number of Contiguous Ranks of International Medical Graduates Interventional Radiology

U.S. IMGs



Non-U.S. IMGs



Source: NRMP Data Warehouse

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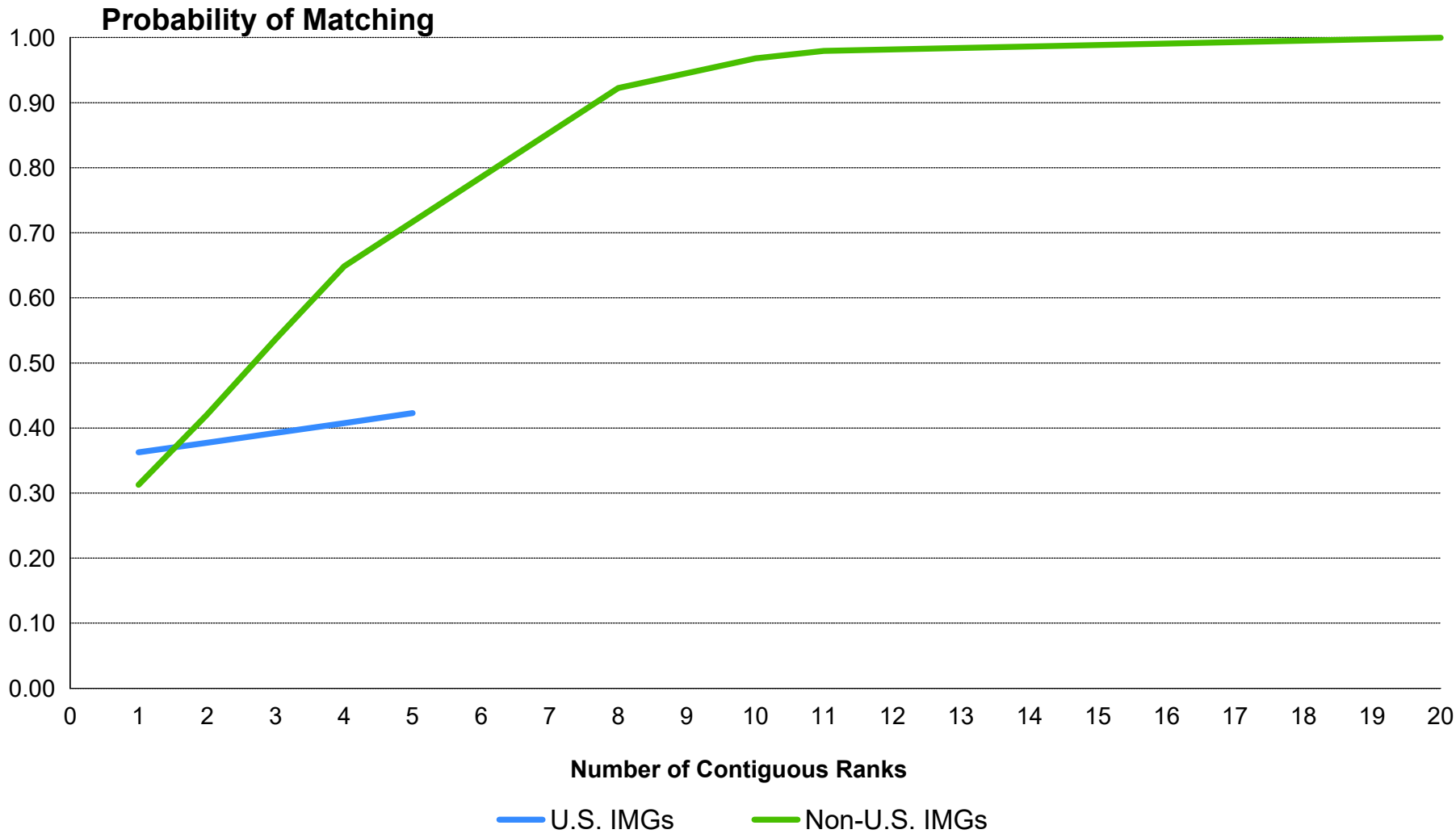
Graph IR-1

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 2022-2024 applicants

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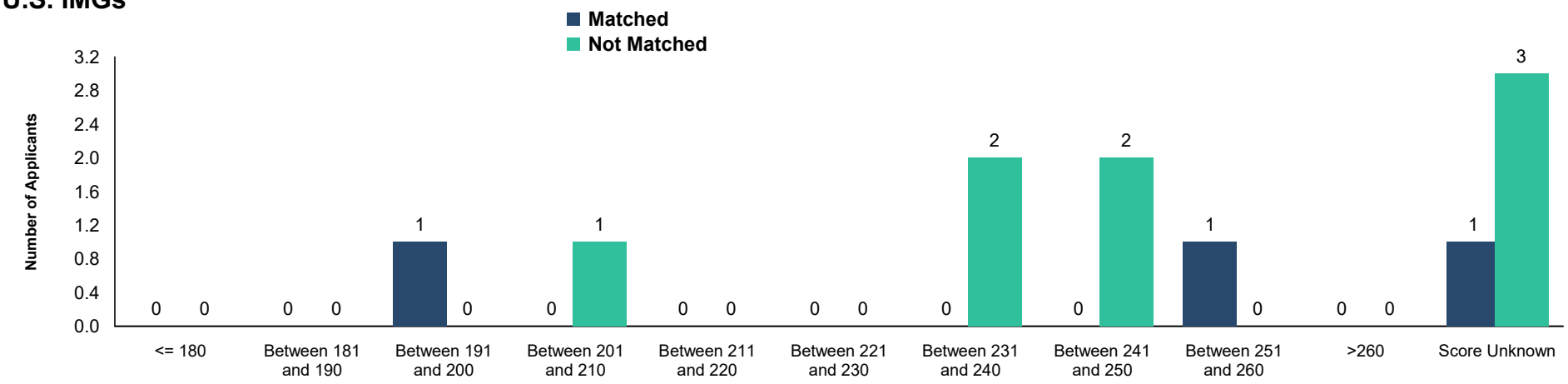
Chart IR-3

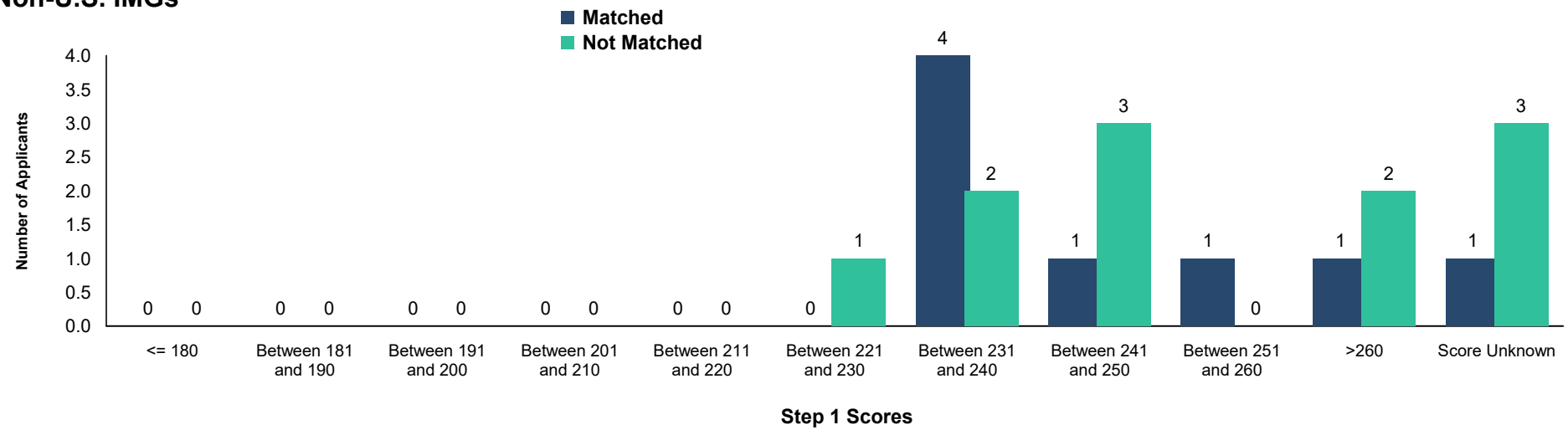
USMLE Step 1 Scores of International Medical Graduates

Interventional Radiology

U.S. IMGs



Non-U.S. IMGs



Source: NRMP Data Warehouse

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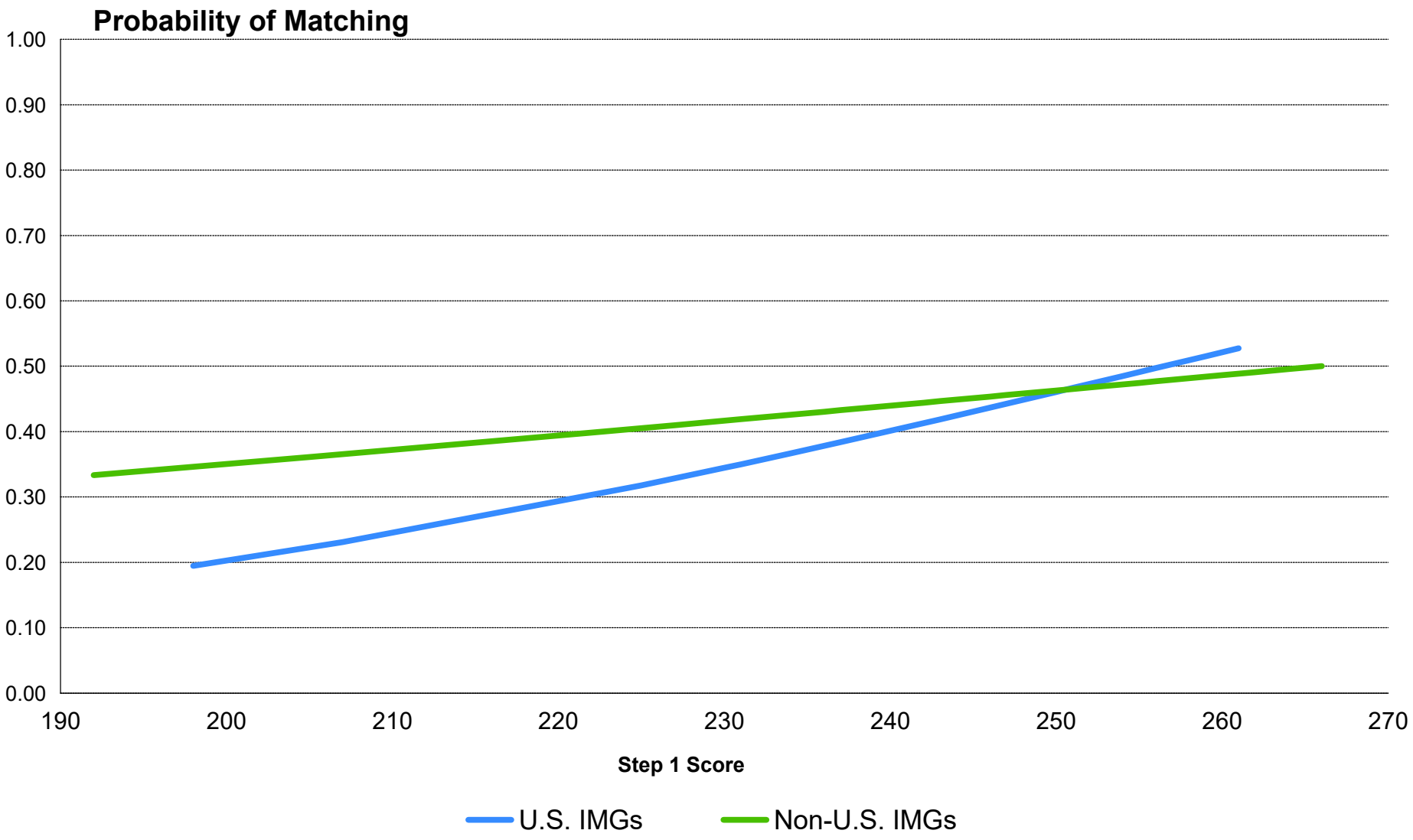
Graph IR-2

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 2022-2024 applicants.

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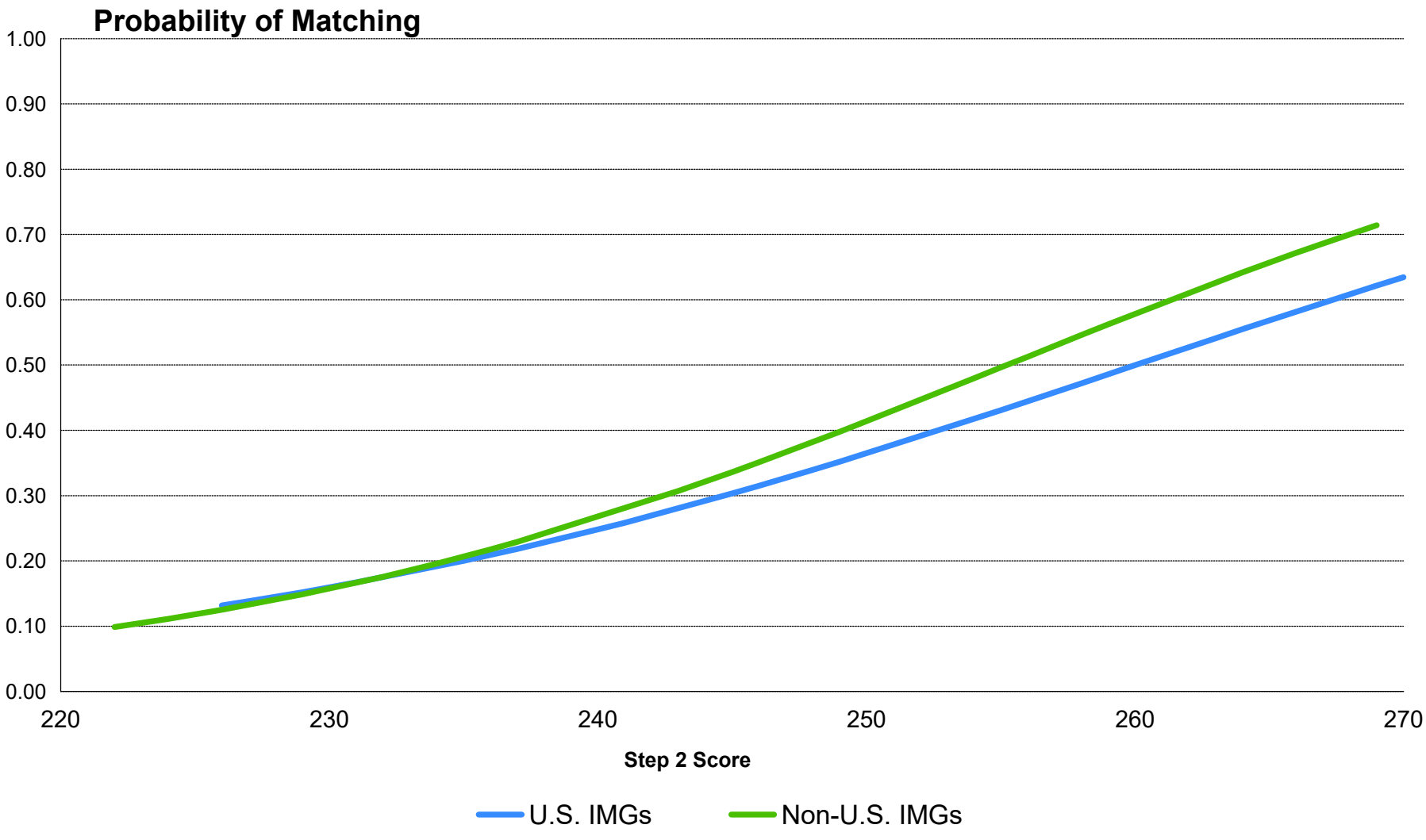
Graph IR-3

Probability of International Medical Graduates Matching to Preferred Specialty by USMLE Step 2 Score

Interventional Radiology



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

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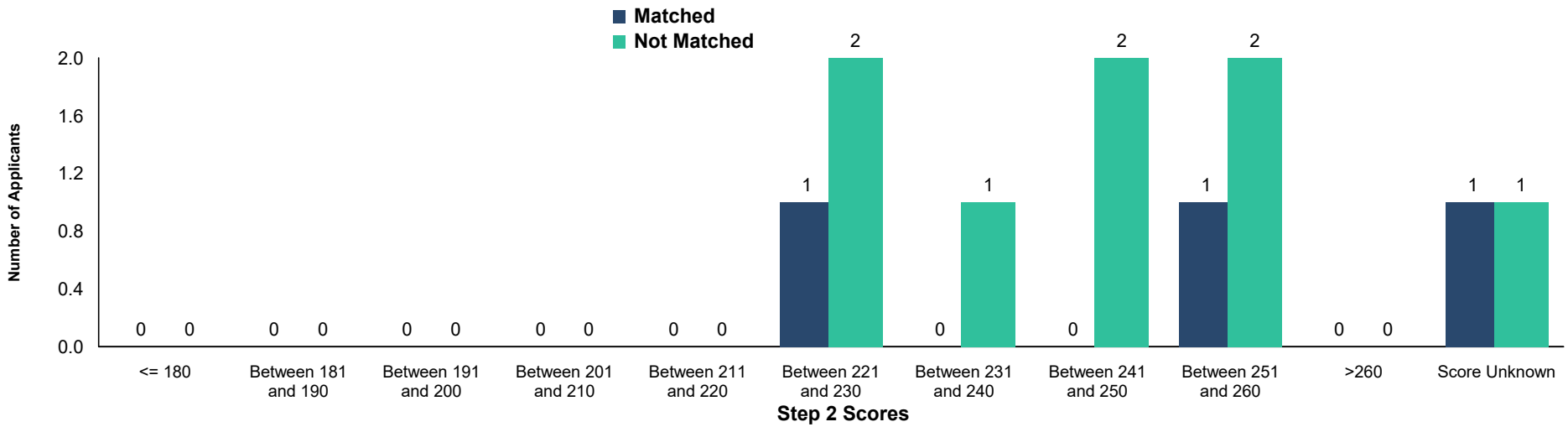
Chart IR-4

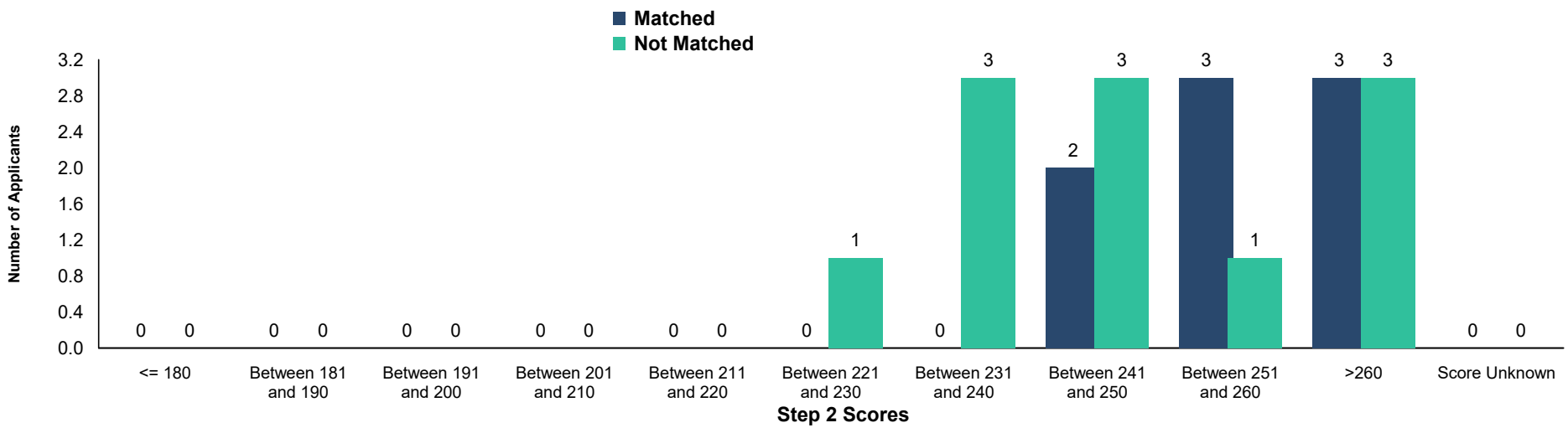
USMLE Step 2 CK Scores of International Medical Graduates

Interventional Radiology

U.S. IMGs



Non-U.S. IMGs



Source: NRMP Data Warehouse

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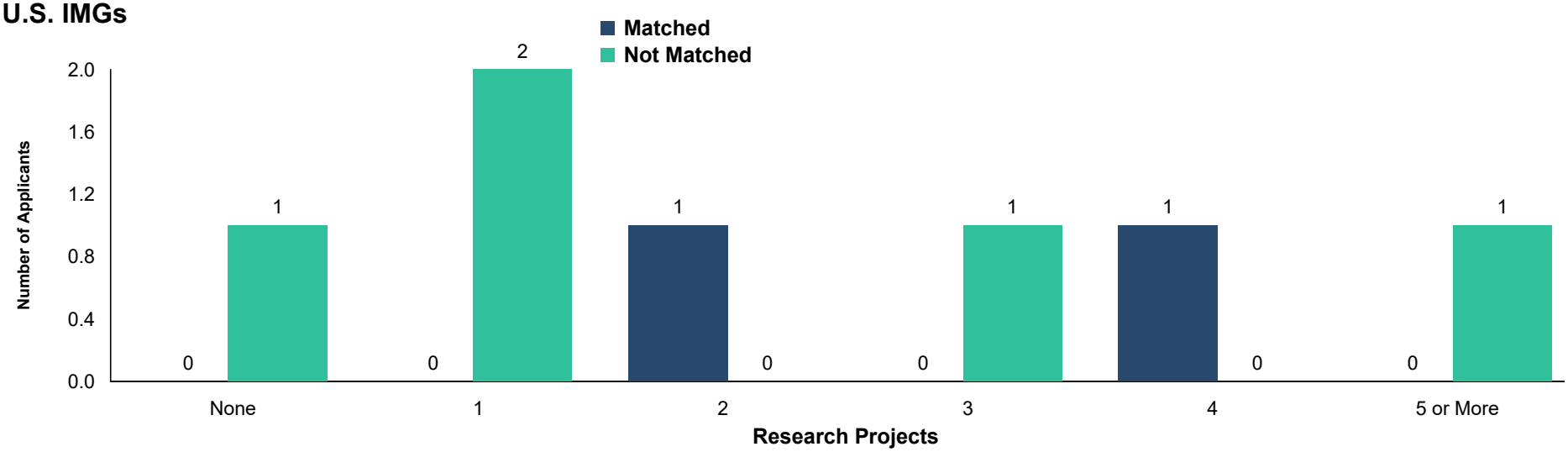
Chart IR-5

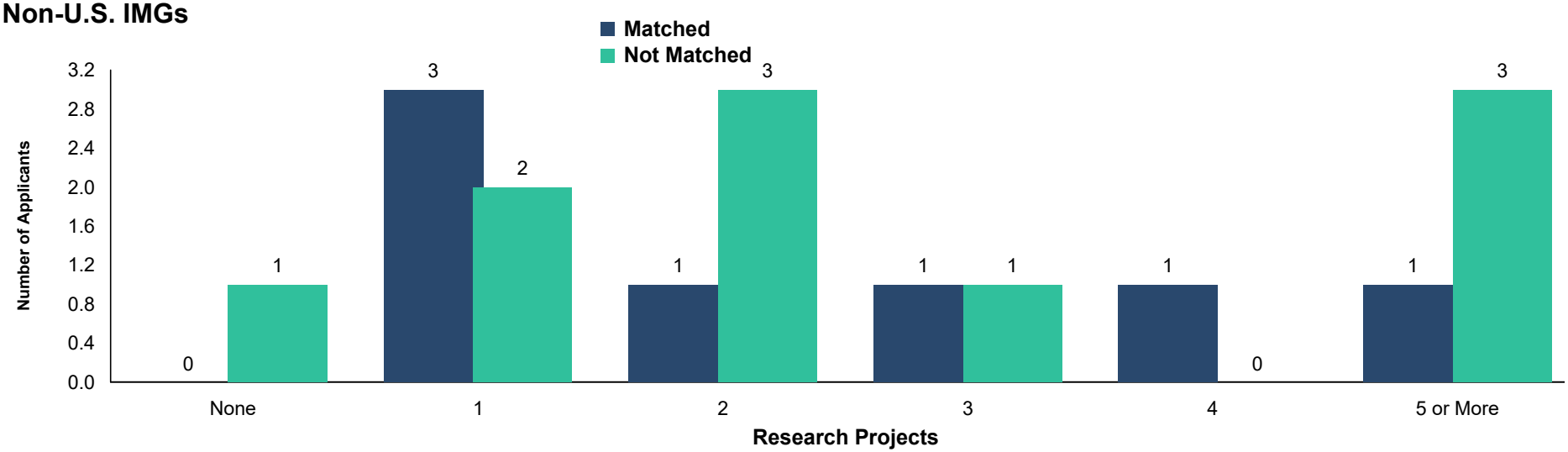
Number of Research Projects of International Medical Graduates

Interventional Radiology

U.S. IMGs



Non-U.S. IMGs



Source: NRMP Data Warehouse

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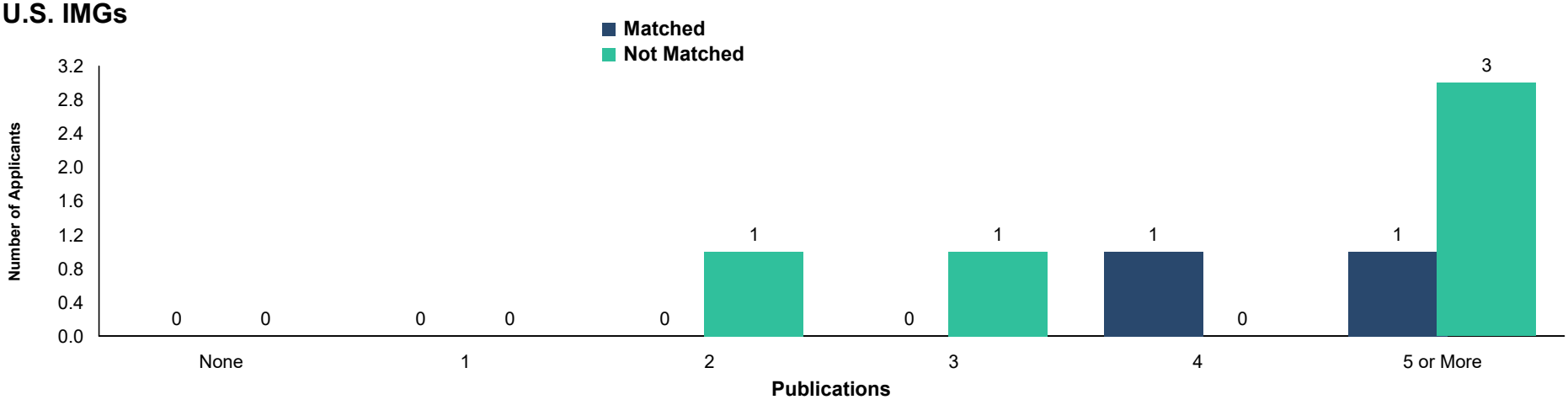
Chart IR-6

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

Interventional Radiology

U.S. IMGs



Non-U.S. IMGs

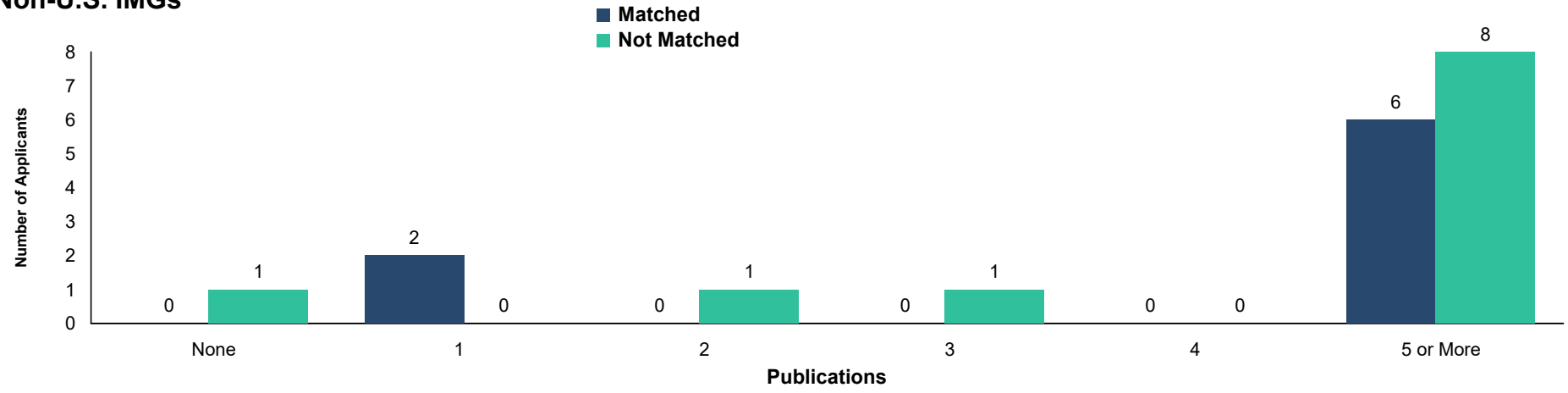


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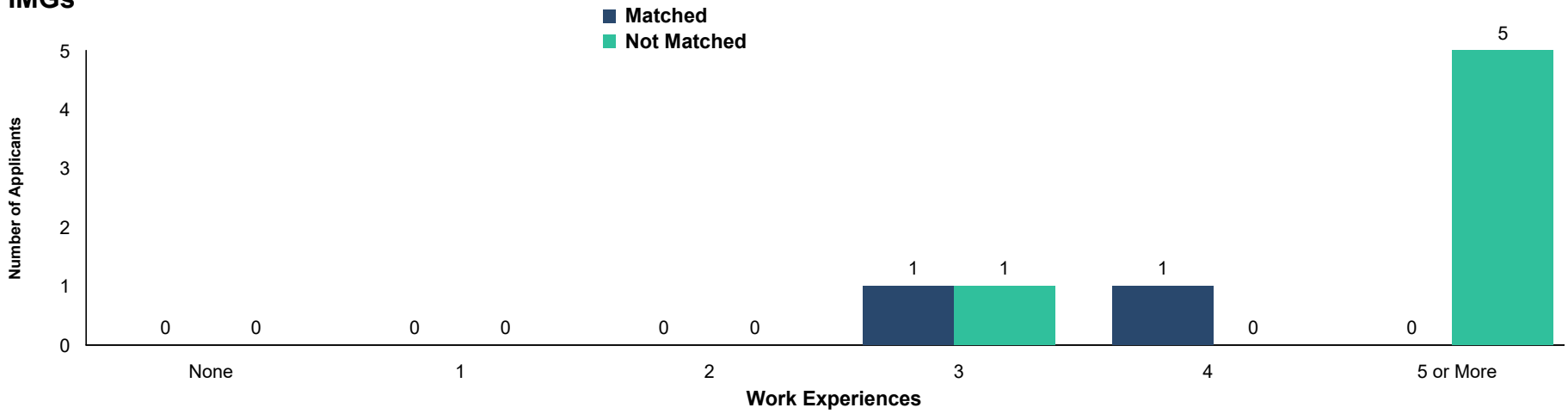
Chart IR-7

Number of Work Experiences of International Medical Graduates

Interventional Radiology

U.S. IMGs



Non-U.S. IMGs

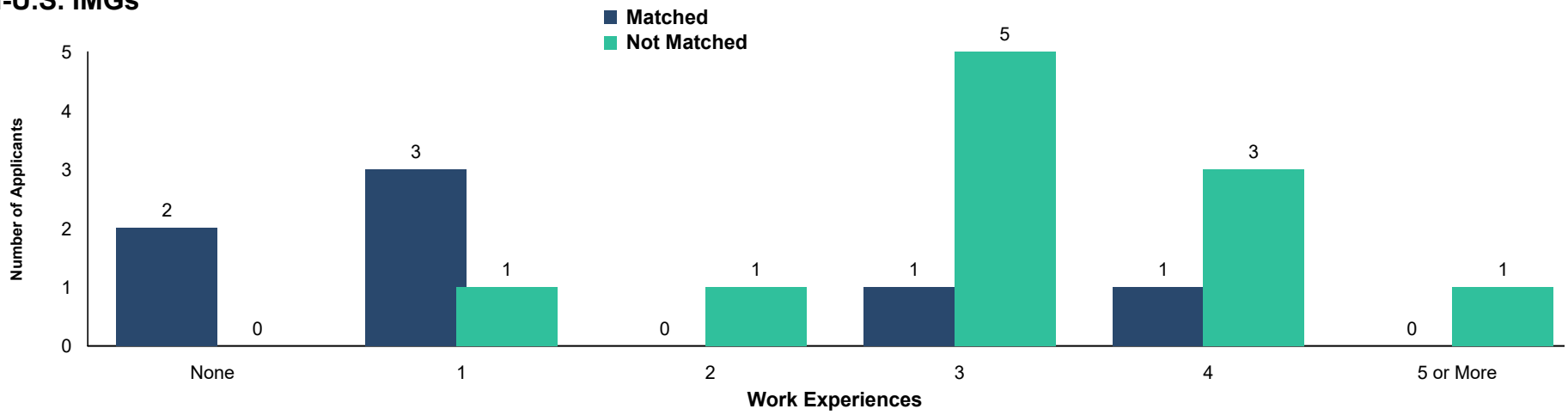


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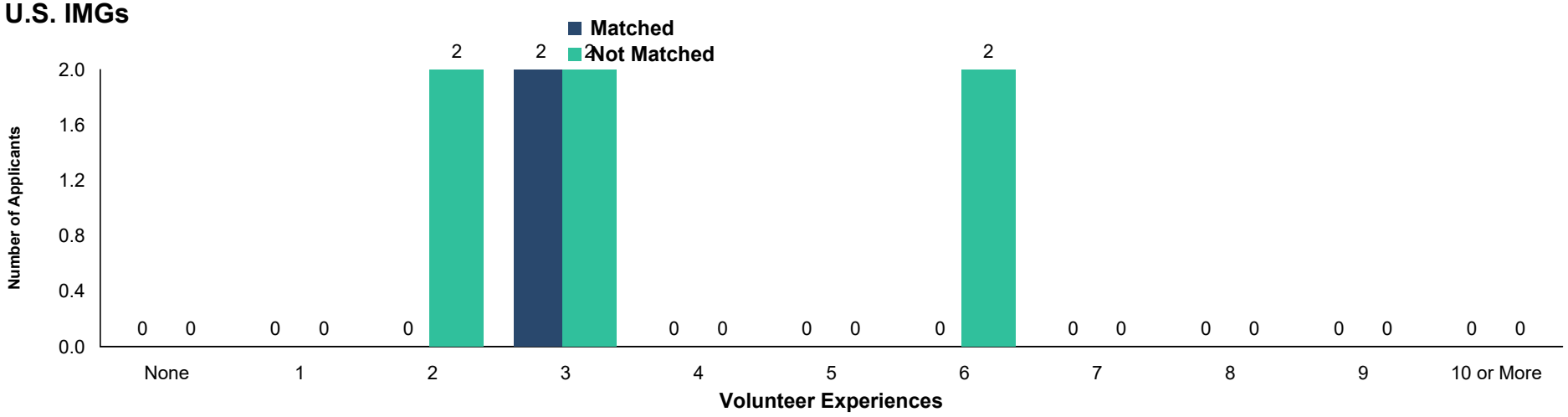
Chart IR-8

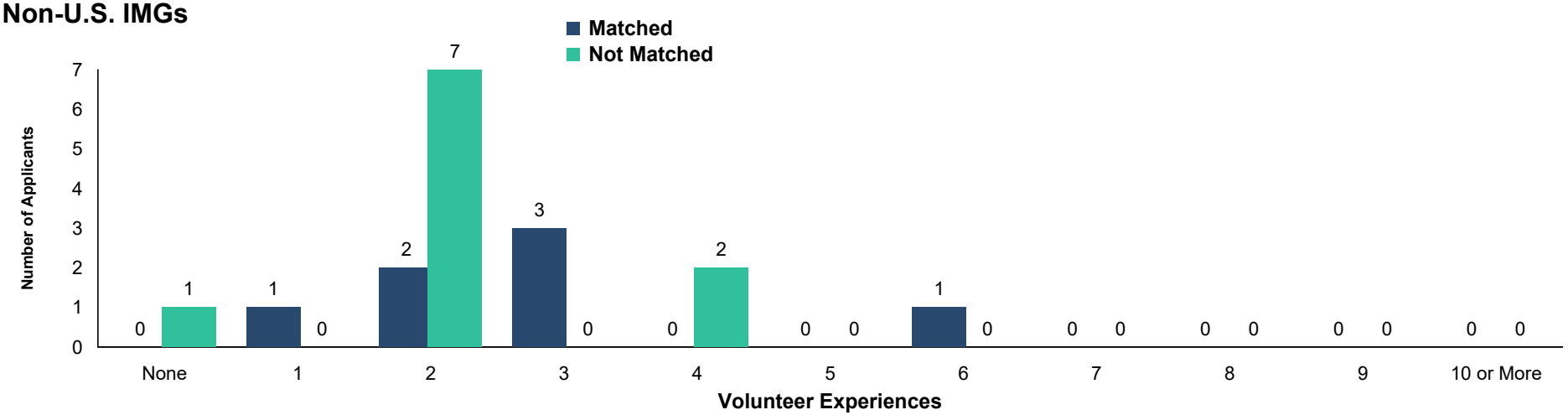
Number of Volunteer Experiences of International Medical Graduates

Interventional Radiology

U.S. IMGs



Non-U.S. IMGs



Source: NRMP Data Warehouse

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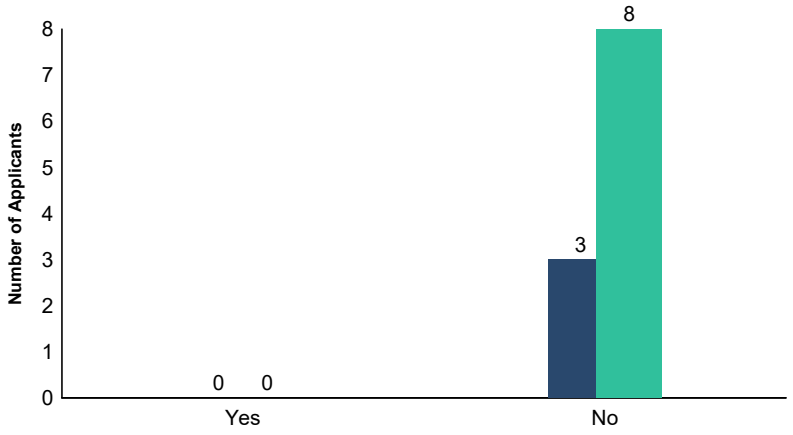
Chart IR-9 Other Characteristics of International Medical Graduates

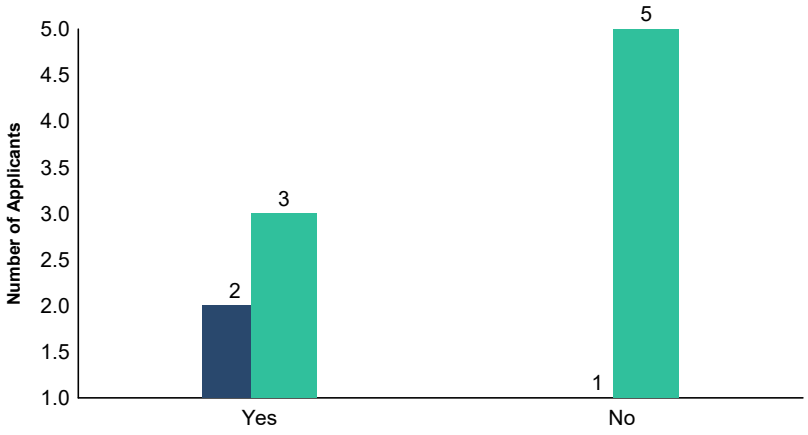
Interventional Radiology

U.S. IMGs

Ph.D. Degree

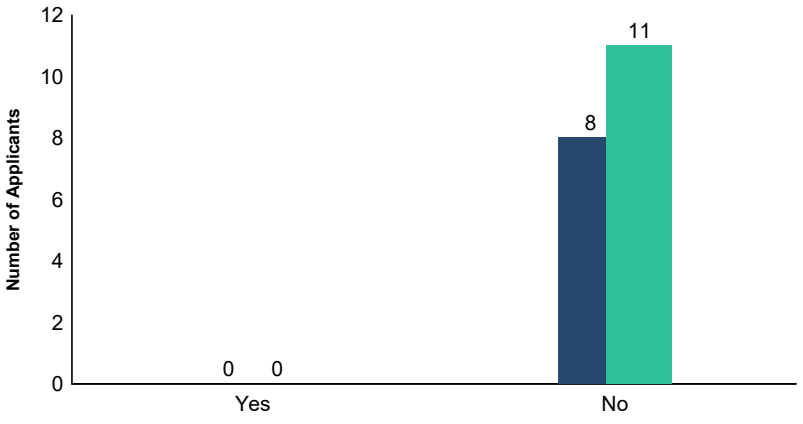


Other Graduate Degree

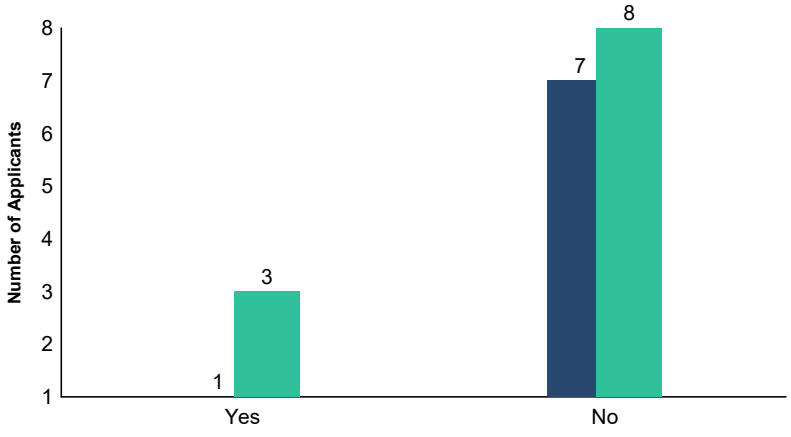


Non-U.S. IMGs

Ph.D. Degree



Other Graduate Degree



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NS Neurological Surgery

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Table NS-1 Summary Statistics
Neurological Surgery

Measure	U.S. IMGs		Non-U.S. IMGs	
	Matched (n=4)	Unmatched (n=5)	Matched (n=14)	Unmatched (n=26)
1. Mean number of contiguous ranks	7.5	2.6	7.4	3.4
2. Mean number of distinct specialties ranked	1.3	1.4	1.3	1.3
3. Mean USMLE Step 1 score*	249	218	247	239
4. Mean USMLE Step 2 score	252	242	246	246
5. Mean number of research experiences	5.8	3.4	7.5	10.1
6. Mean number of abstracts, presentations, and publications	32.8	22.2	87.8	51.1
7. Mean number of work experiences	5.0	3.4	2.7	3.2
8. Mean number of volunteer experiences	4.0	3.4	3.7	2.4
9. Percentage who have a Ph.D. degree	25.0	0.0	38.5	24.0
10. Percentage who have another graduate degree	50.0	20.0	23.1	16.7

Note: * Only applicants who gave consent to use their information in research are included.
*Only applicants who indicated completion of the USMLE Step 1 exam prior to the transition to pass/fail (i.e., prior to January 26, 2022) had the option to self-report their Step 1 numeric score. In 2024, 6,845 IMGs (2,248 U.S. IMGs and 4,597 non-U.S. IMGs) self-reported Step 1 numeric scores.
Source. NRMP Data Warehouse

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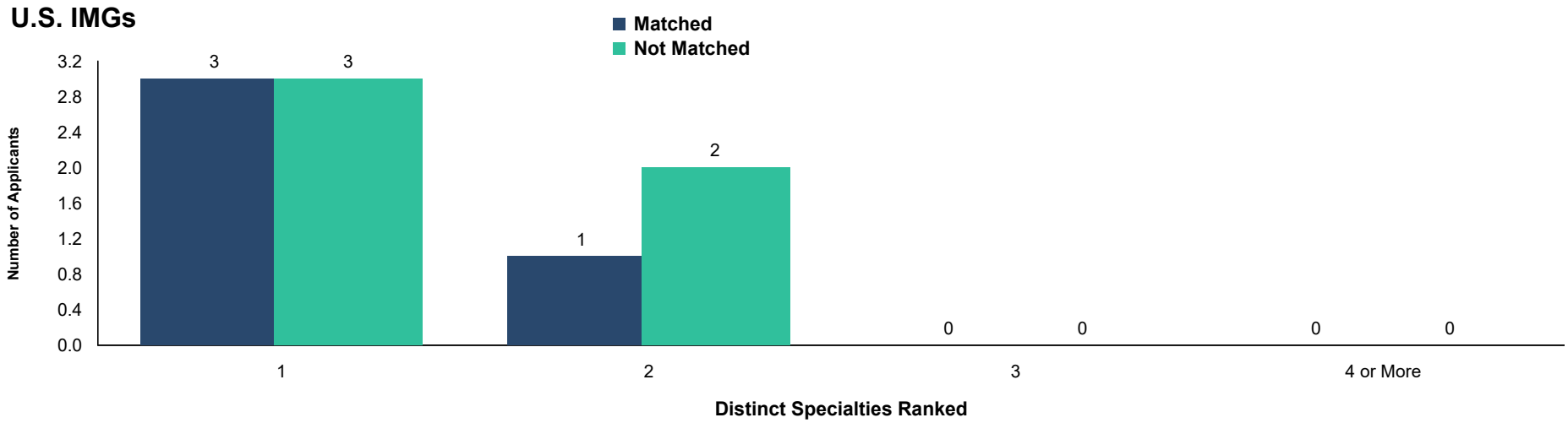
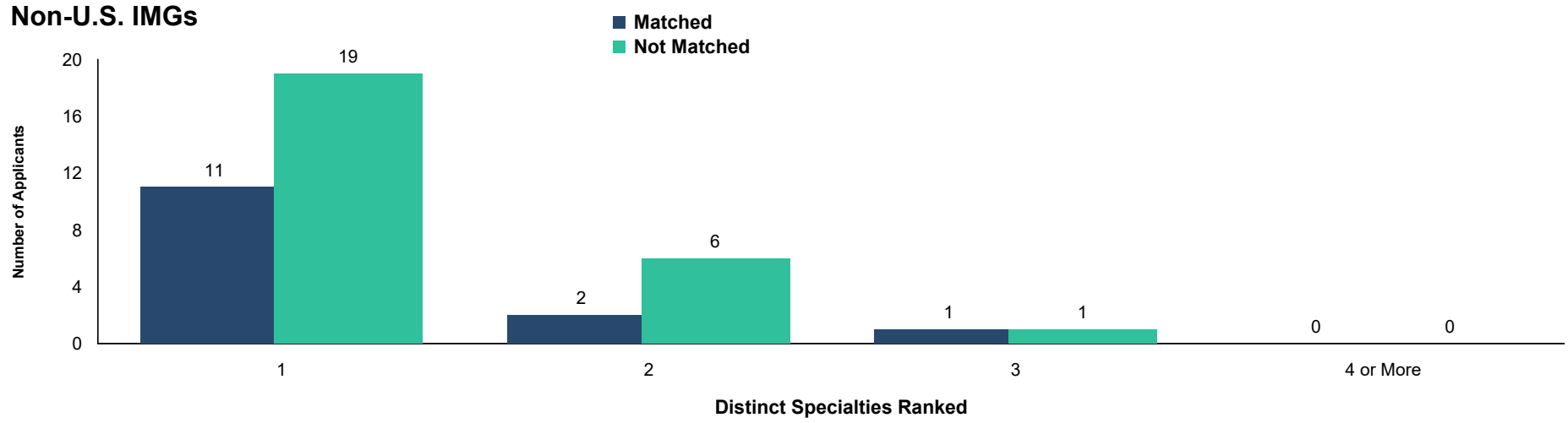
Chart NS-1 Number of Distinct Specialties Ranked by International Medical Graduates Neurological Surgery





Source: NRMP Data Warehouse

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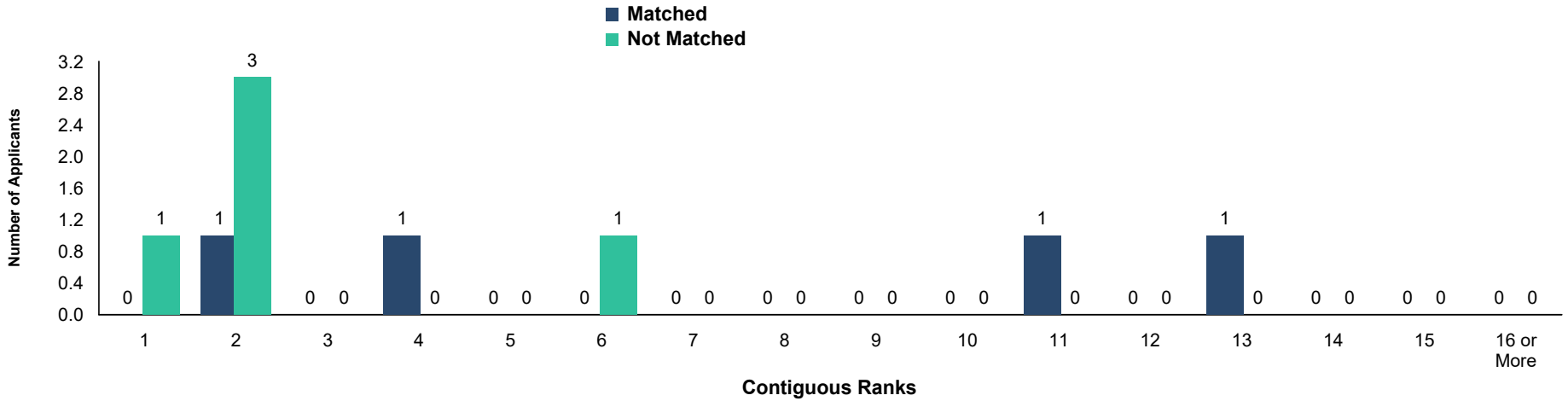
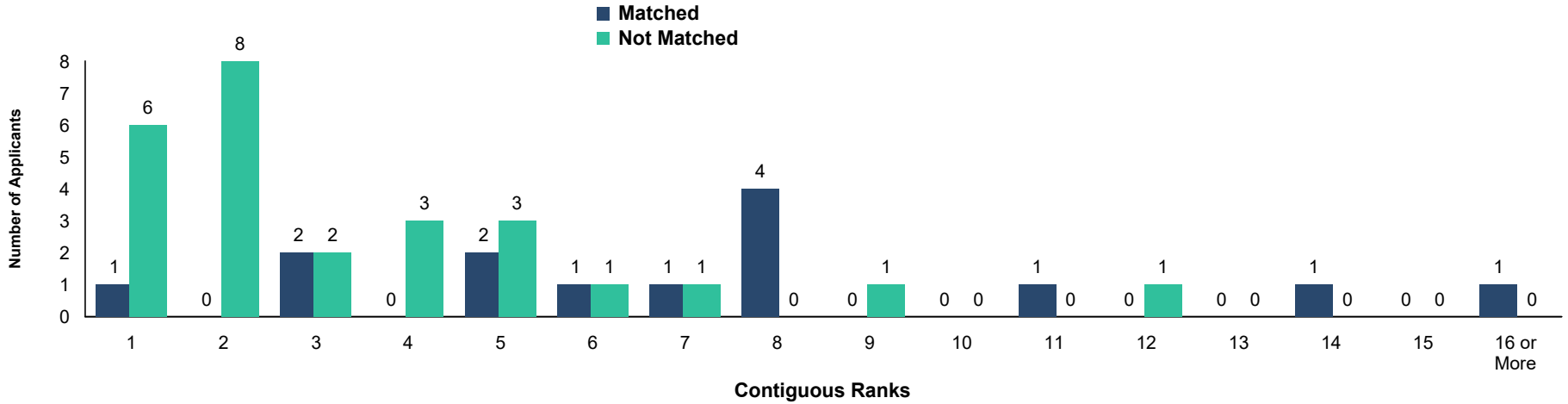
Chart NS-2 Number of Contiguous Ranks of International Medical Graduates Neurological Surgery

U.S. IMGs



Non-U.S. IMGs



Source: NRMP Data Warehouse

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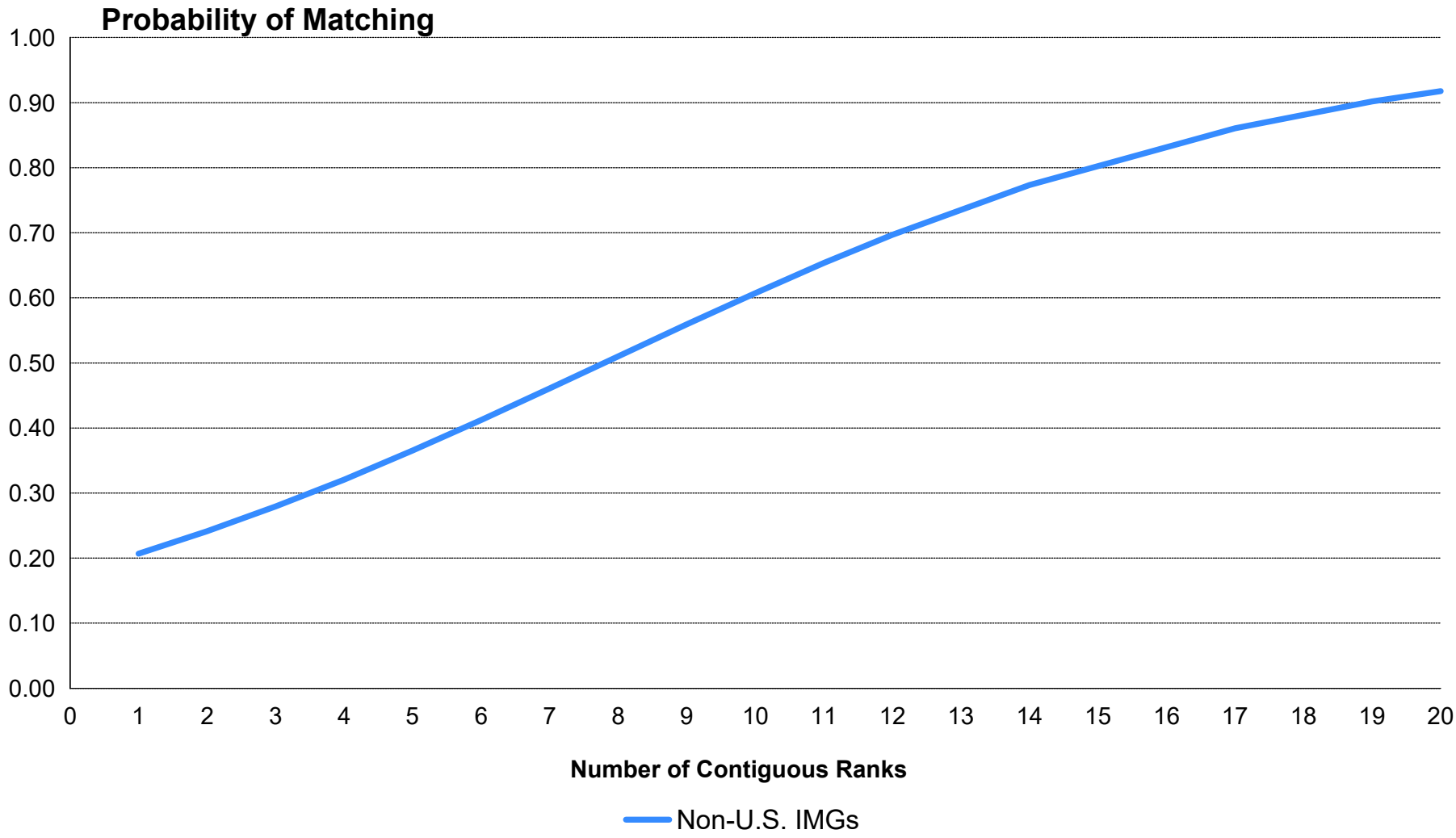
Graph NS-1

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 2022-2024 applicants

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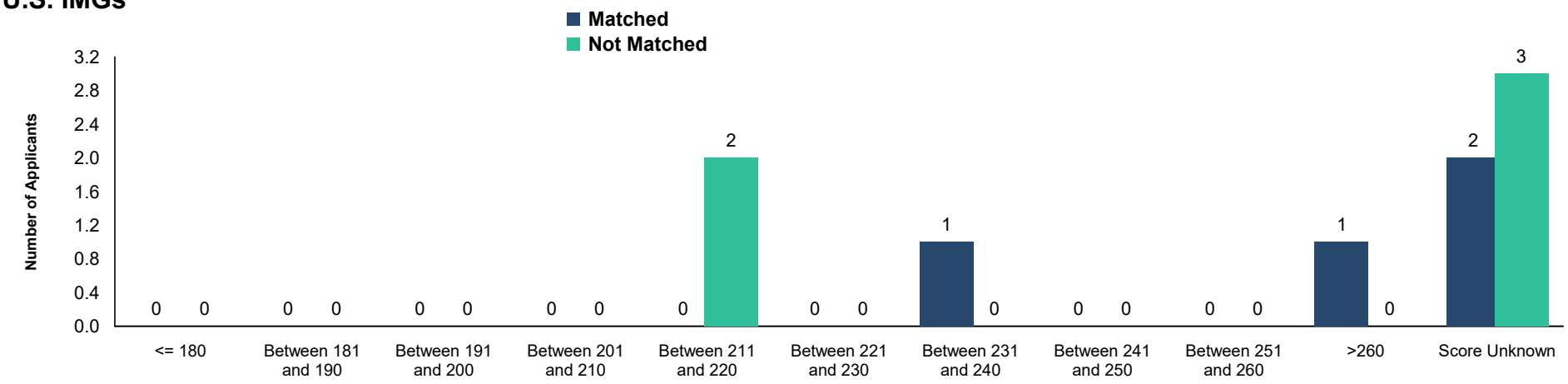
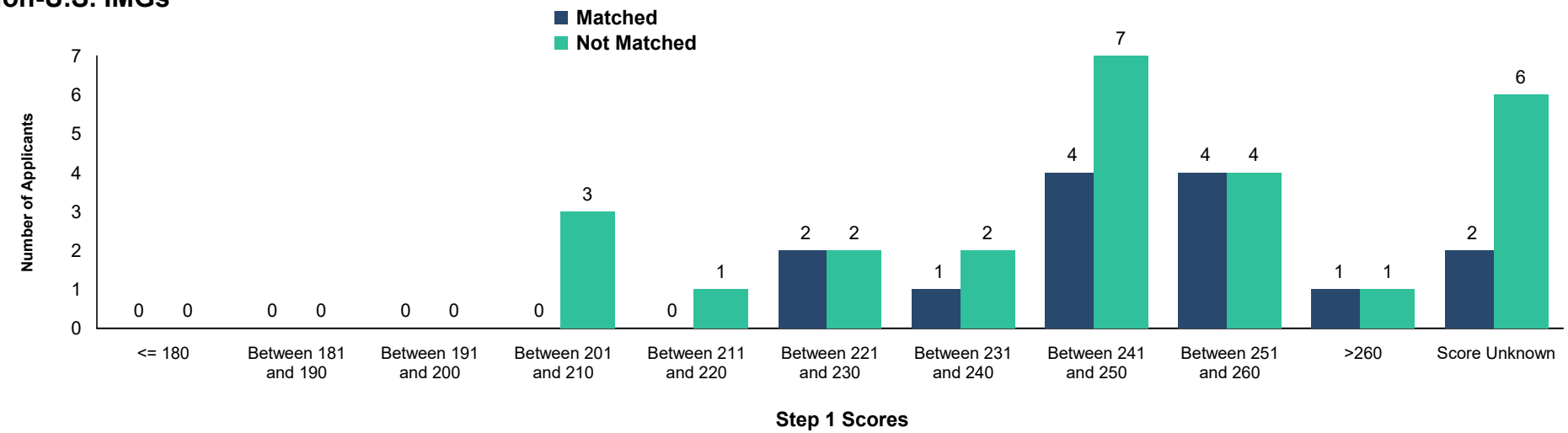
Chart NS-3 USMLE Step 1 Scores of International Medical Graduates

Neurological Surgery

U.S. IMGs



Non-U.S. IMGs



Source: NRMP Data Warehouse

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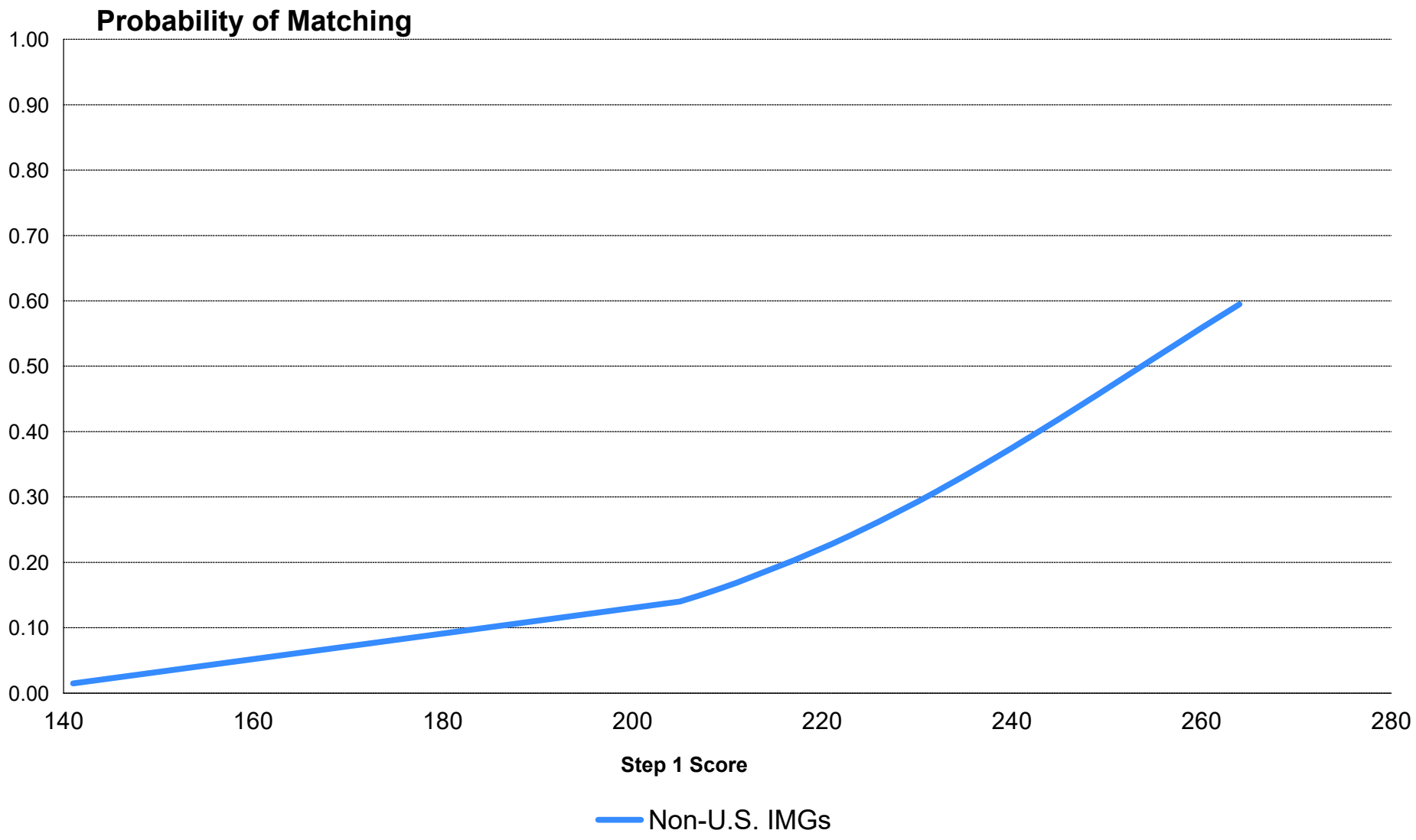
Graph NS-2

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 2022-2024 applicants.

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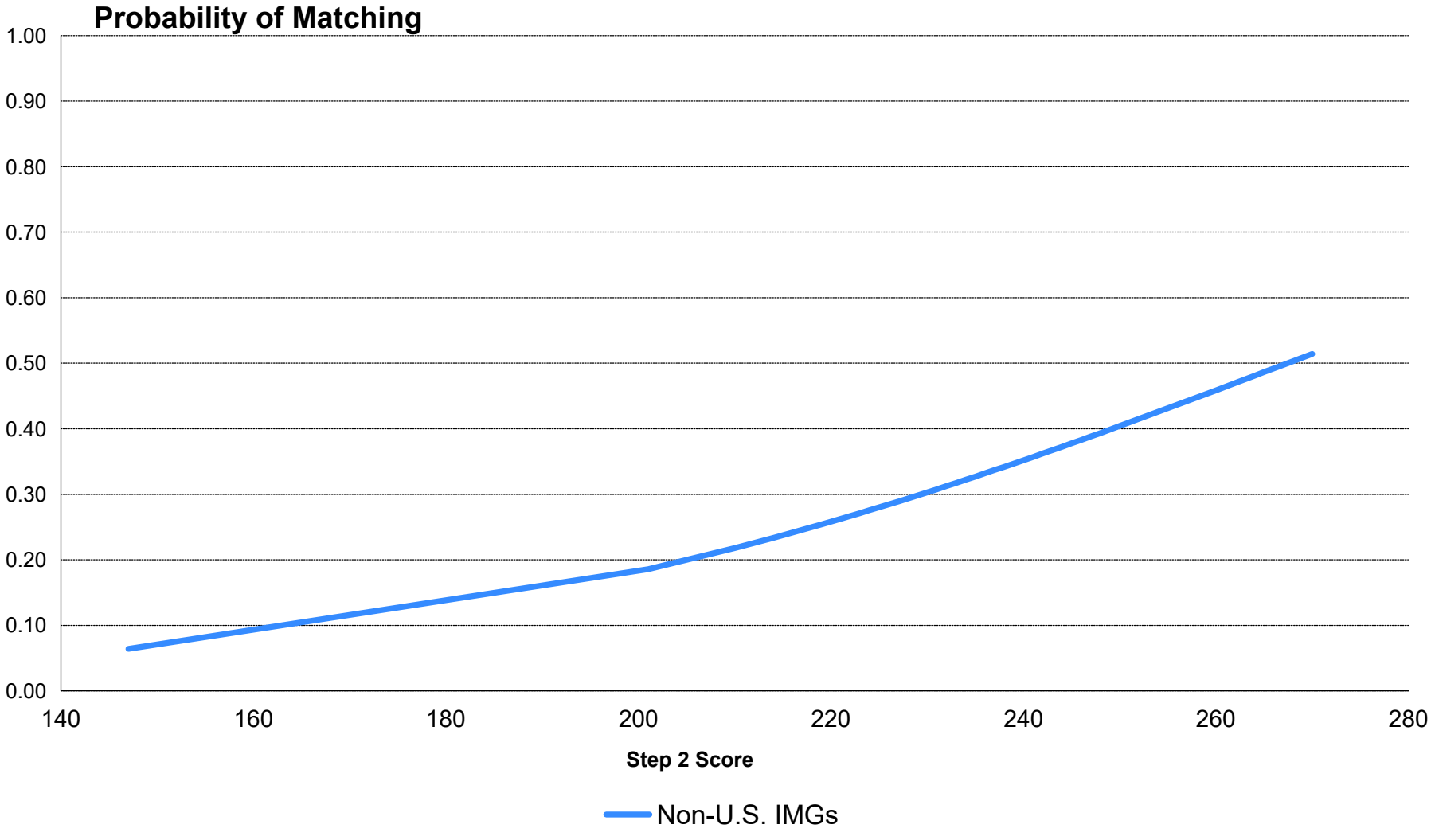
Graph NS-3

Probability of International Medical Graduates Matching to Preferred Specialty by USMLE Step 2 Score

Neurological Surgery



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

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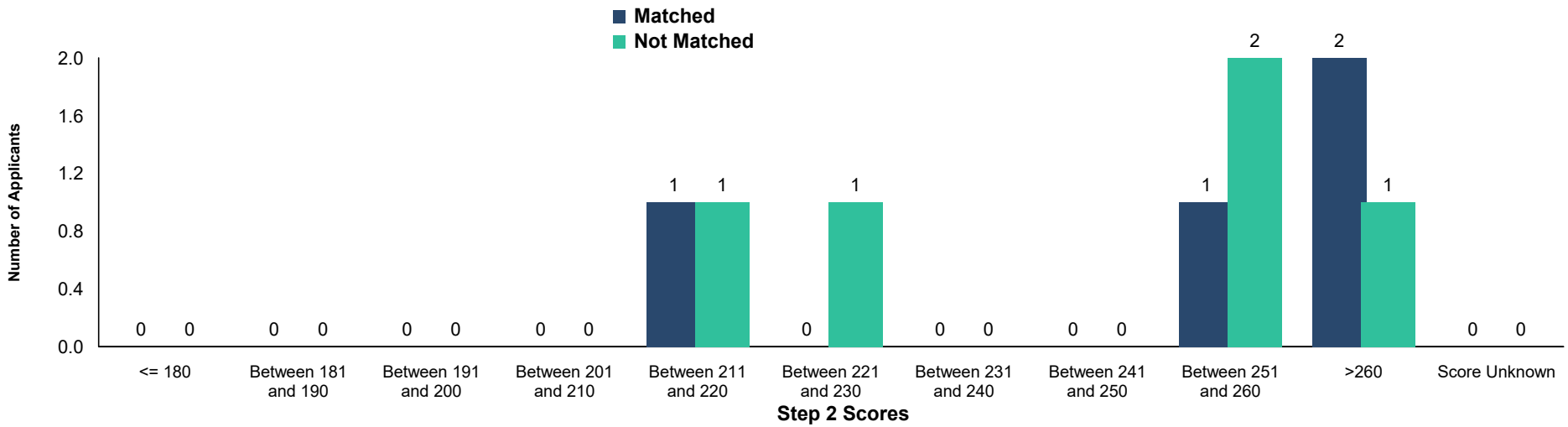
Chart NS-4

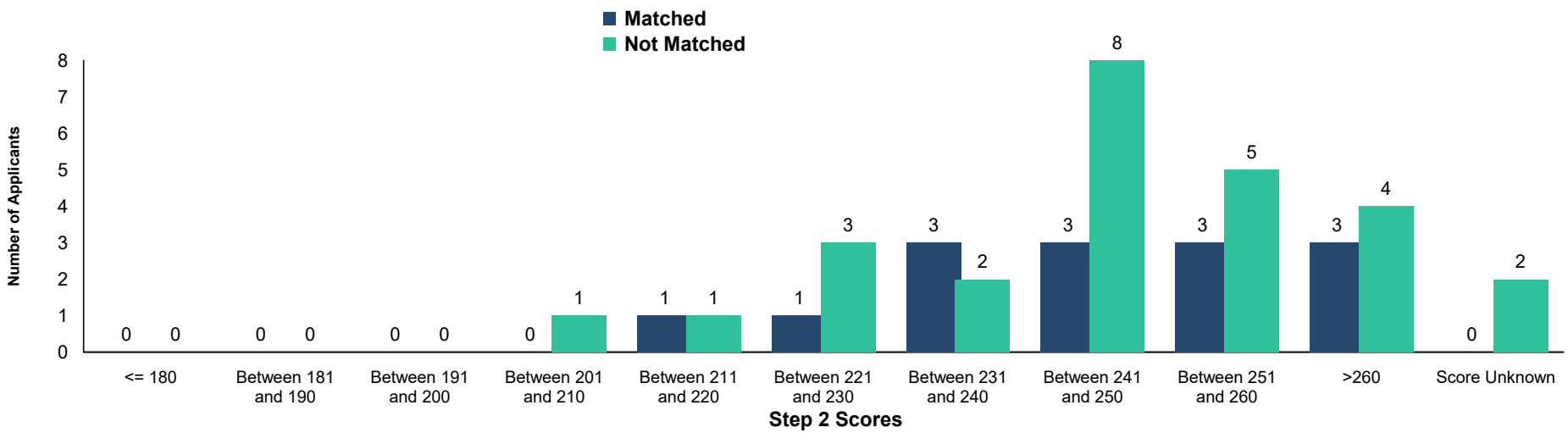
USMLE Step 2 CK Scores of International Medical Graduates

Neurological Surgery

U.S. IMGs



Non-U.S. IMGs



Source: NRMP Data Warehouse

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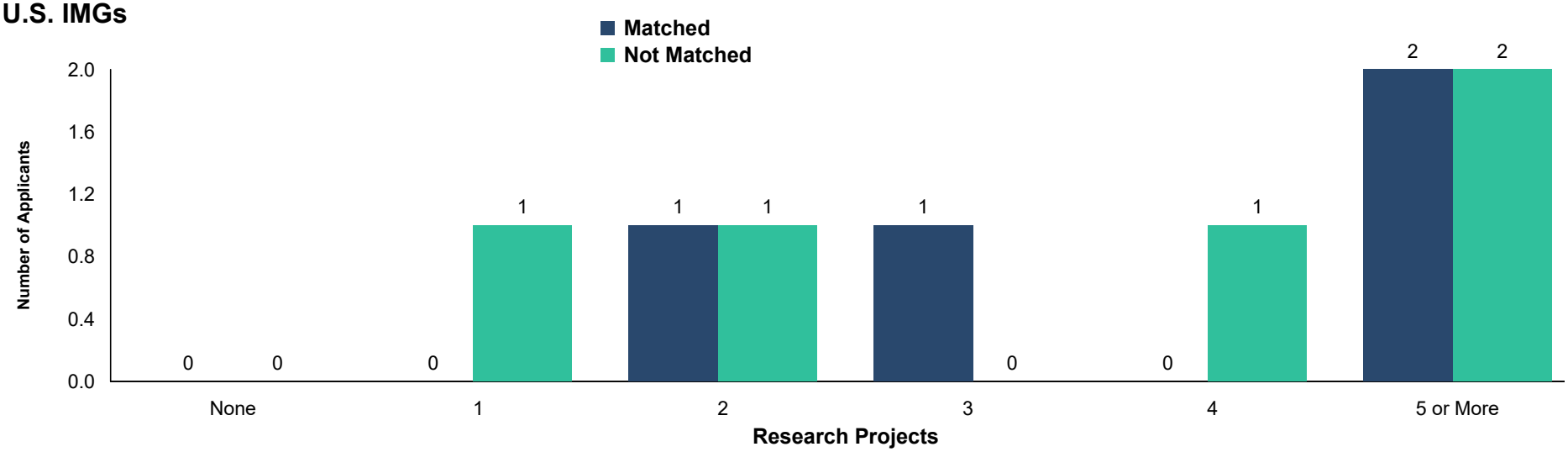
Chart NS-5

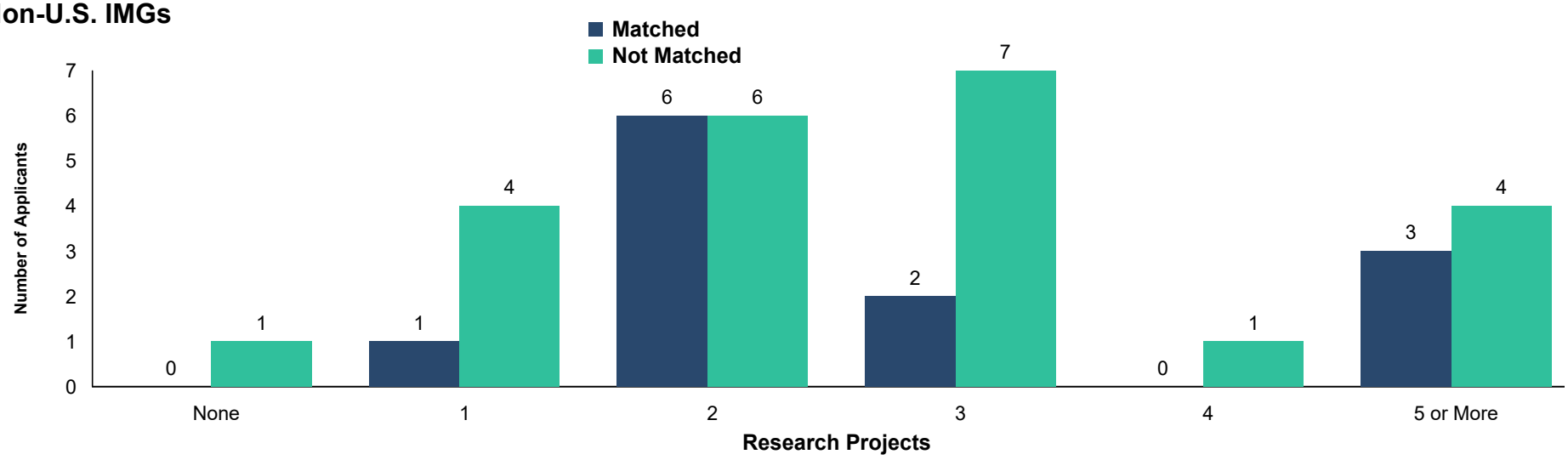
Number of Research Projects of International Medical Graduates

Neurological Surgery

U.S. IMGs



Non-U.S. IMGs



Source: NRMP Data Warehouse

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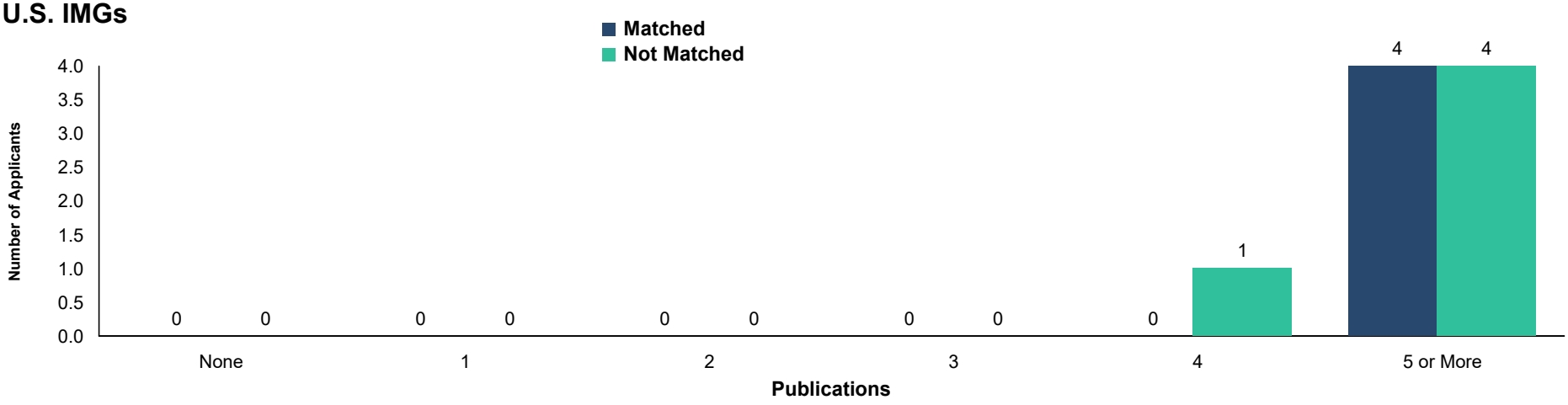
Chart NS-6

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

Neurological Surgery

U.S. IMGs



Non-U.S. IMGs

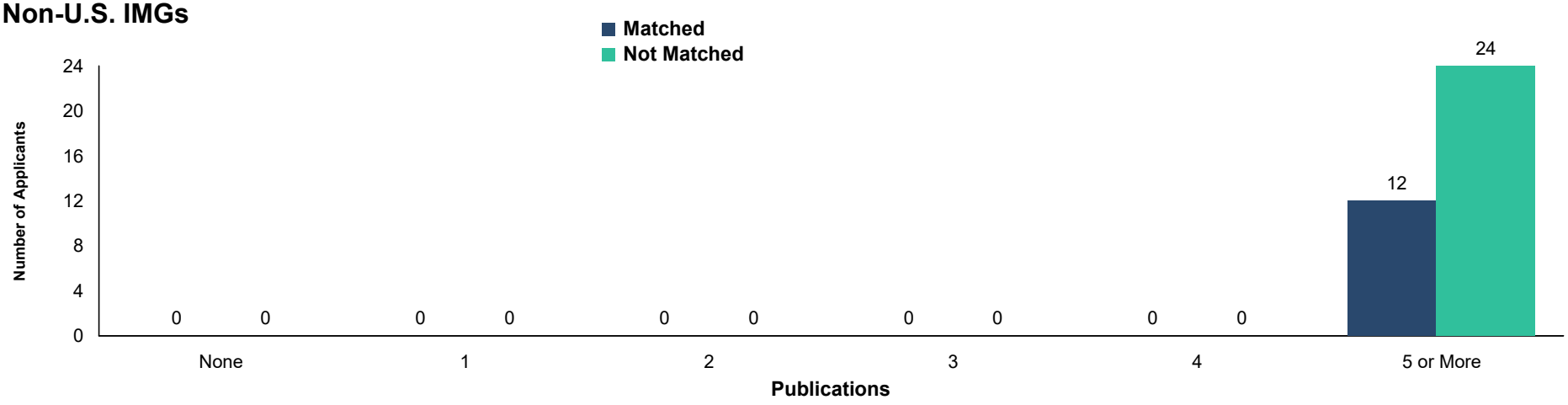


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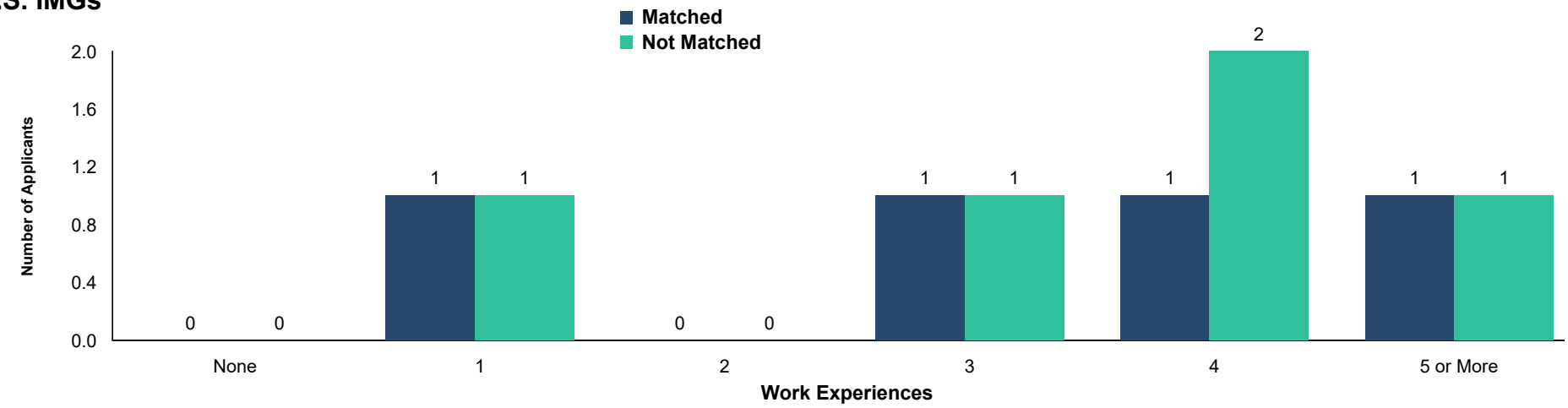
Chart NS-7 Number of Work Experiences of International Medical Graduates

Neurological Surgery

U.S. IMGs



Non-U.S. IMGs

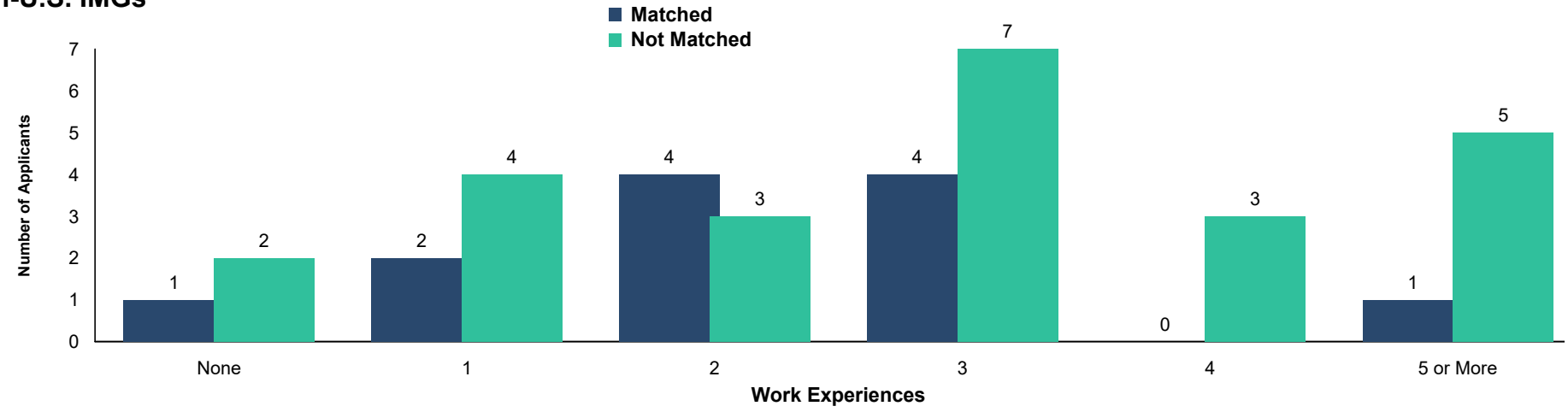


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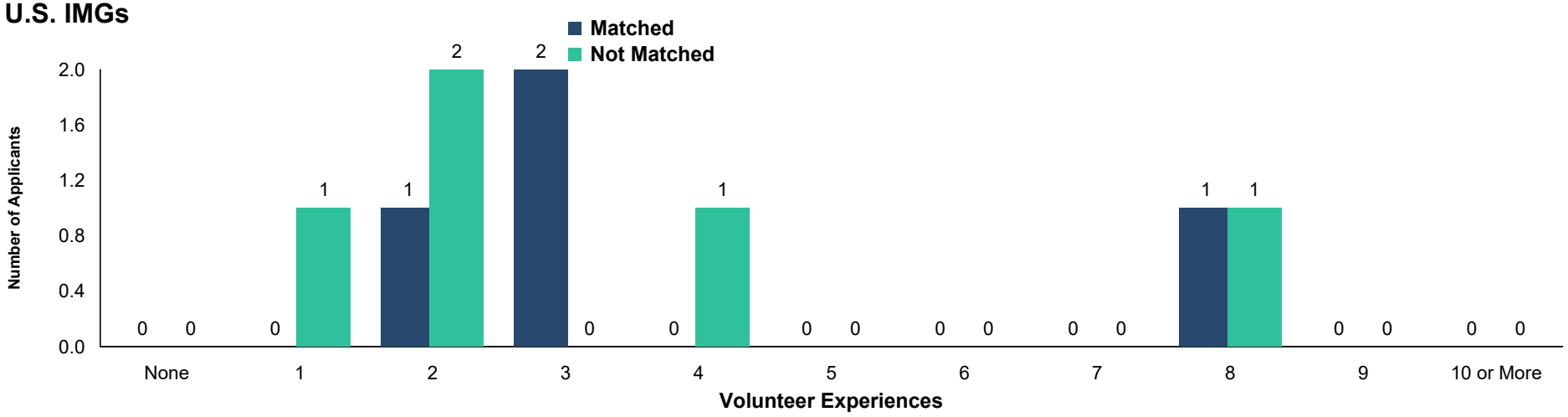
Chart NS-8

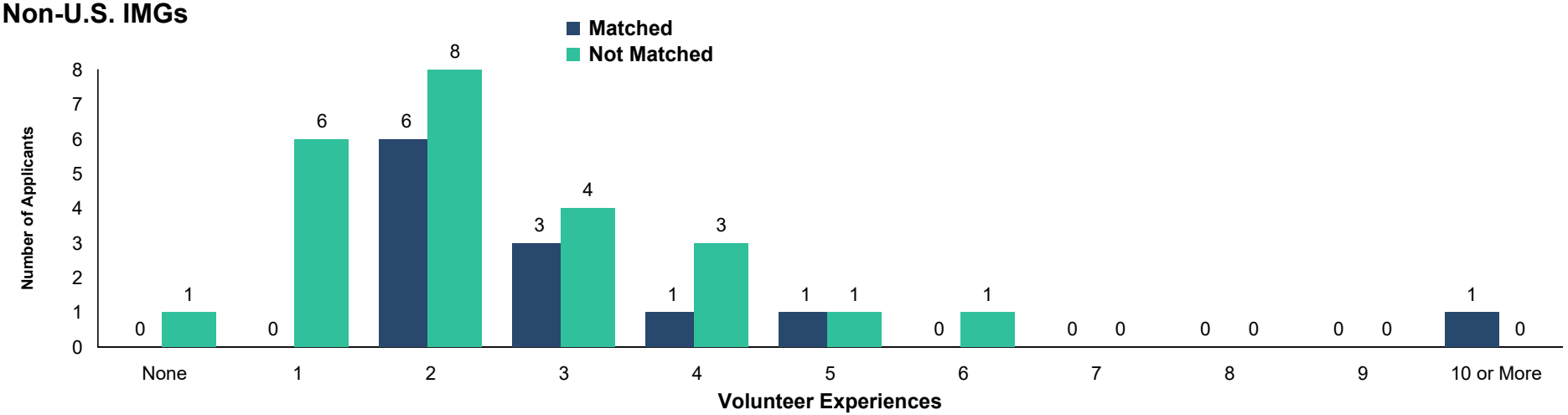
Number of Volunteer Experiences of International Medical Graduates

Neurological Surgery

U.S. IMGs



Non-U.S. IMGs



Source: NRMP Data Warehouse

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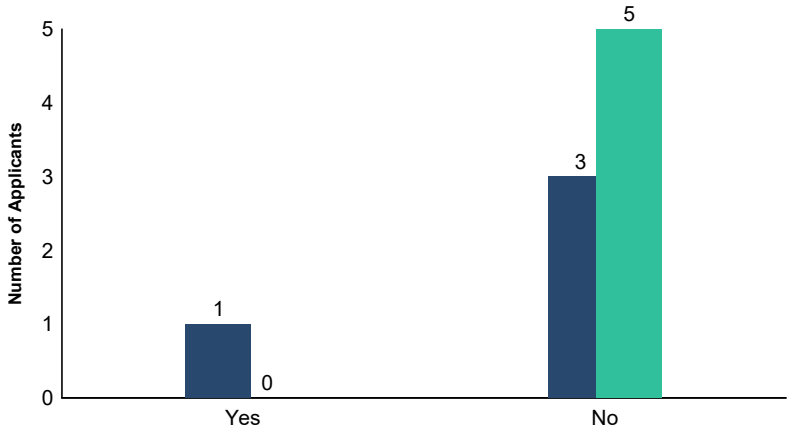
Chart NS-9 Other Characteristics of International Medical Graduates

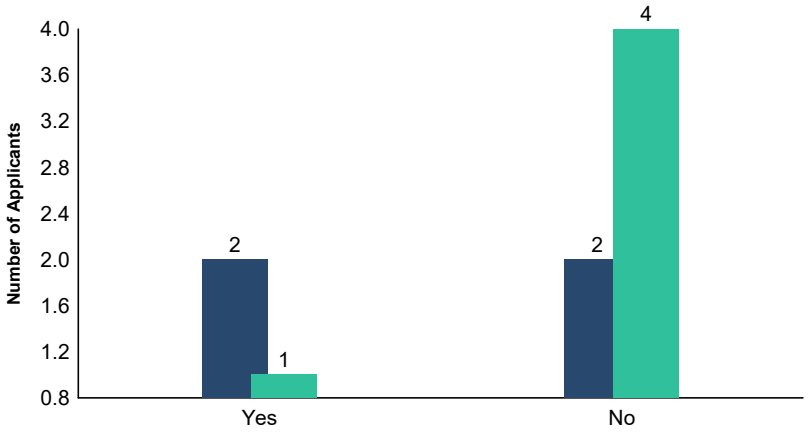
Neurological Surgery

U.S. IMGs

Ph.D. Degree

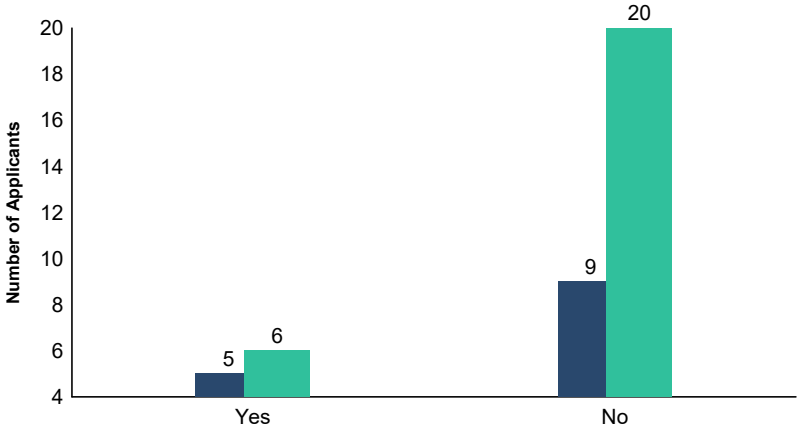


Other Graduate Degree

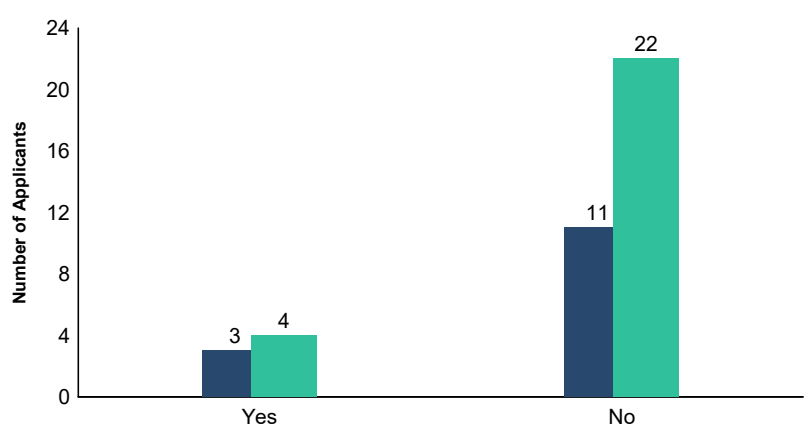


Non-U.S. IMGs

Ph.D. Degree



Other Graduate Degree



Source: NRMP Data Warehouse

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N Neurology

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Table N-1 Summary Statistics
Neurology

Measure	U.S. IMGs		Non-U.S. IMGs	
	Matched (n=47)	Unmatched (n=33)	Matched (n=184)	Unmatched (n=188)
1. Mean number of contiguous ranks	7.0	2.6	7.5	2.5
2. Mean number of distinct specialties ranked	1.8	1.5	1.4	1.7
3. Mean USMLE Step 1 score*	217	218	234	230
4. Mean USMLE Step 2 score	237	229	245	240
5. Mean number of research experiences	4.2	2.6	4.7	3.4
6. Mean number of abstracts, presentations, and publications	10.2	6.7	13.3	8.8
7. Mean number of work experiences	3.5	3.7	3.7	4.2
8. Mean number of volunteer experiences	3.7	2.9	2.6	2.6
9. Percentage who have a Ph.D. degree	4.5	6.1	4.1	3.5
10. Percentage who have another graduate degree	25.0	33.3	23.8	28.2

Note: * Only applicants who gave consent to use their information in research are included.
*Only applicants who indicated completion of the USMLE Step 1 exam prior to the transition to pass/fail (i.e., prior to January 26, 2022) had the option to self-report their Step 1 numeric score. In 2024, 6,845 IMGs (2,248 U.S. IMGs and 4,597 non-U.S. IMGs) self-reported Step 1 numeric scores.
Source. NRMP Data Warehouse

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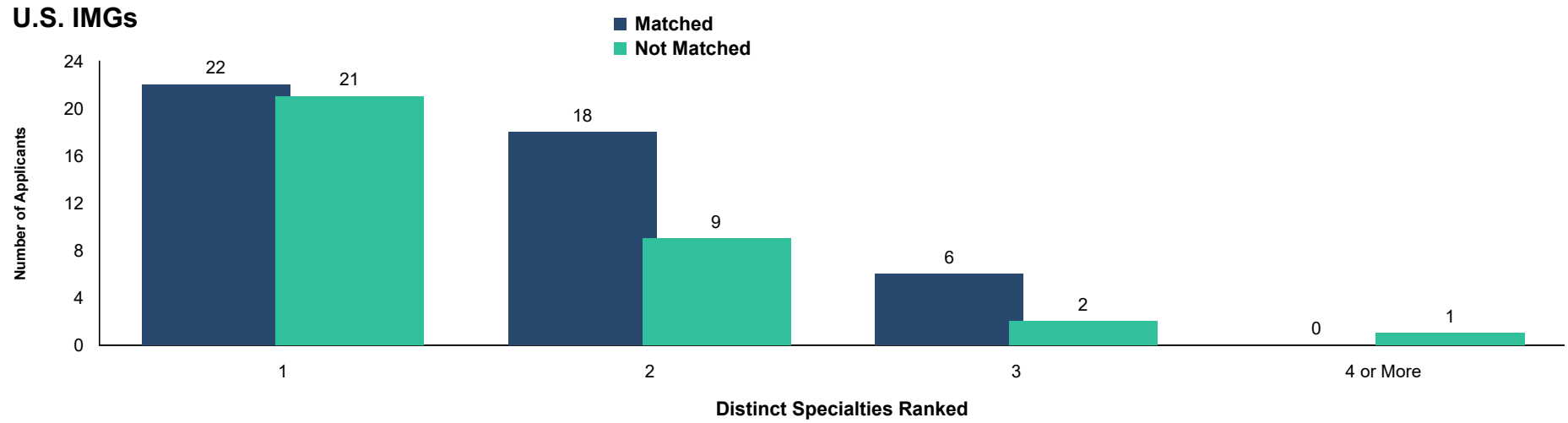
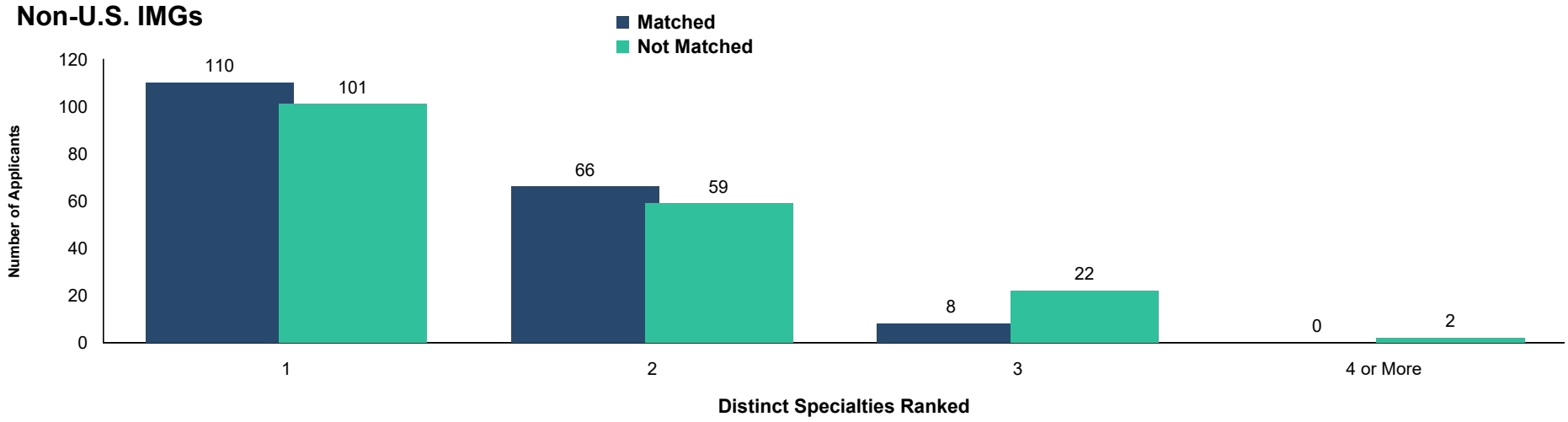
Chart N-1

Number of Distinct Specialties Ranked by International Medical Graduates
Neurology





Source: NRMP Data Warehouse

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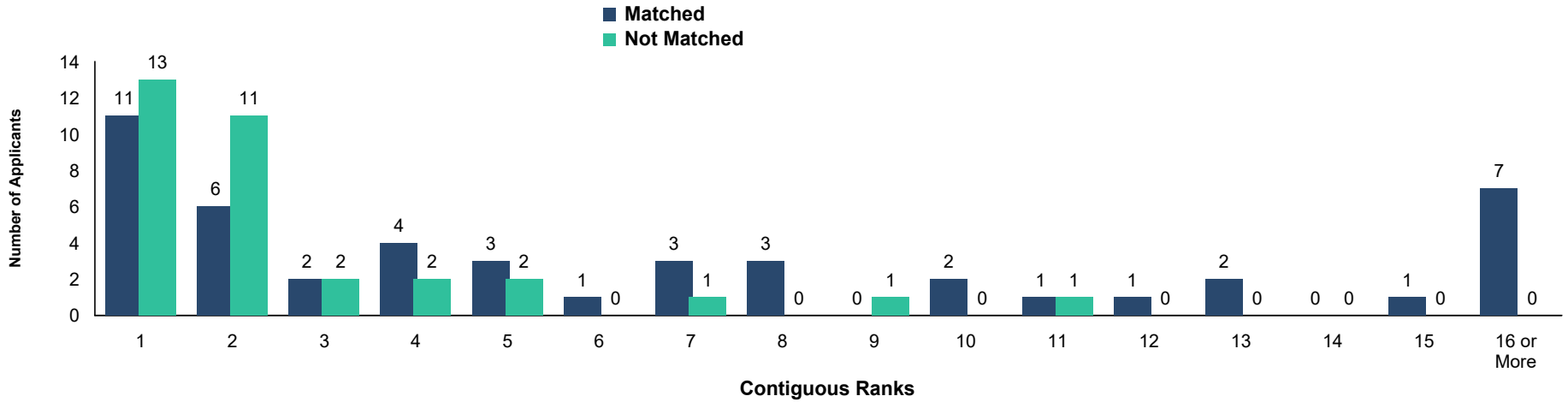
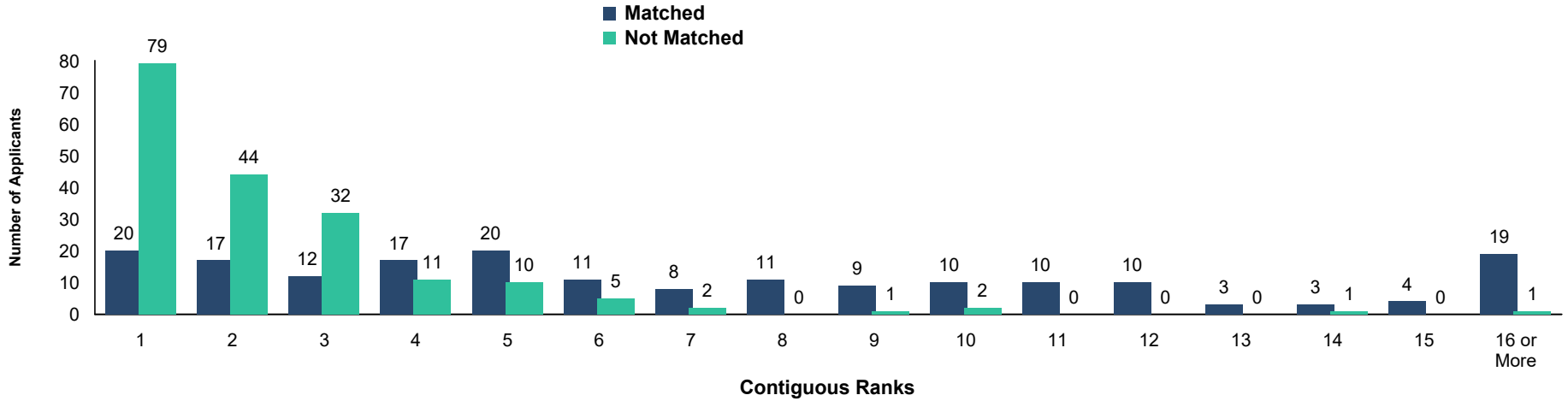
Chart N-2 Number of Contiguous Ranks of International Medical Graduates Neurology

U.S. IMGs



Non-U.S. IMGs



Source: NRMP Data Warehouse

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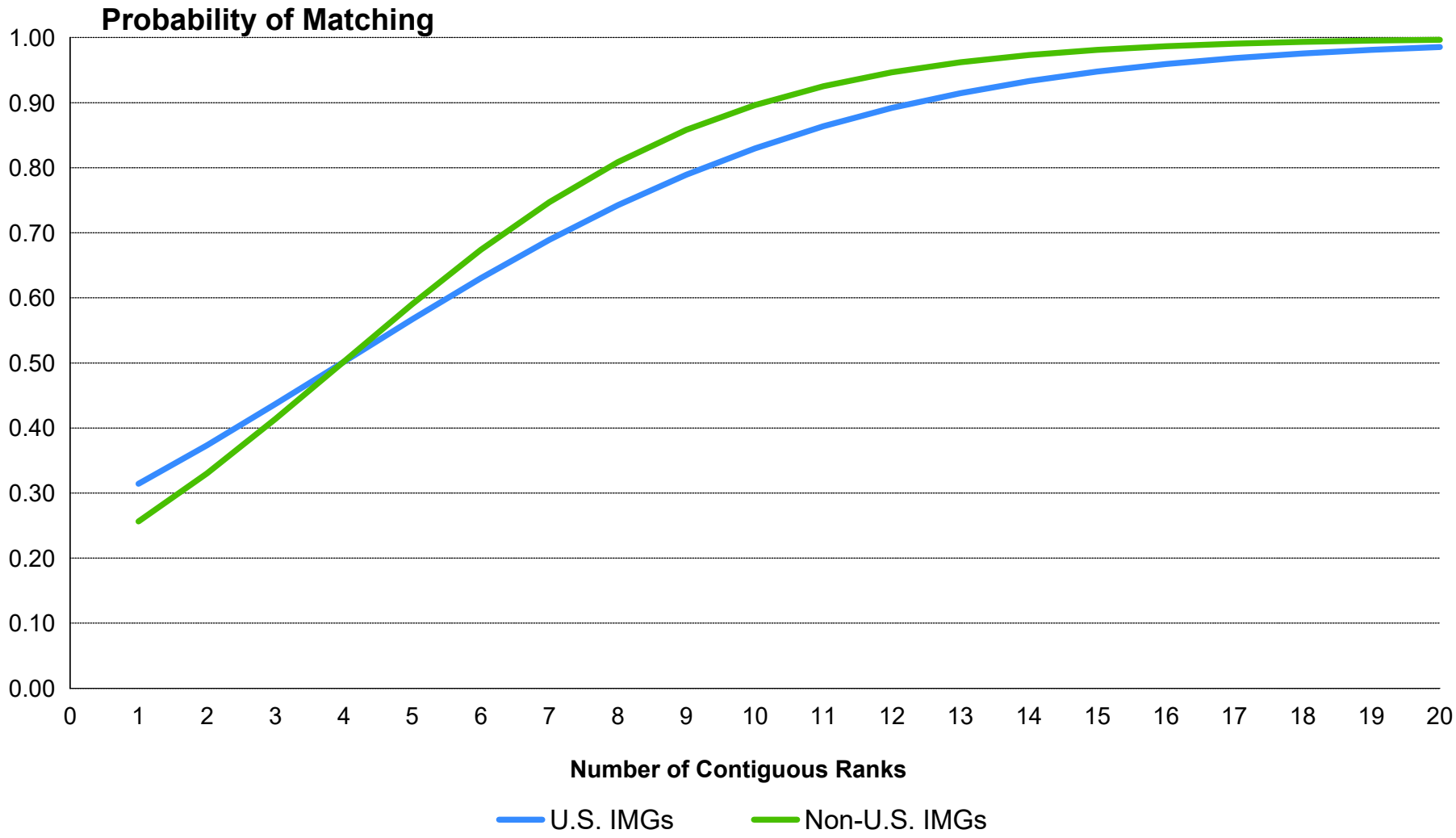
Graph N-1

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

Neurology



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

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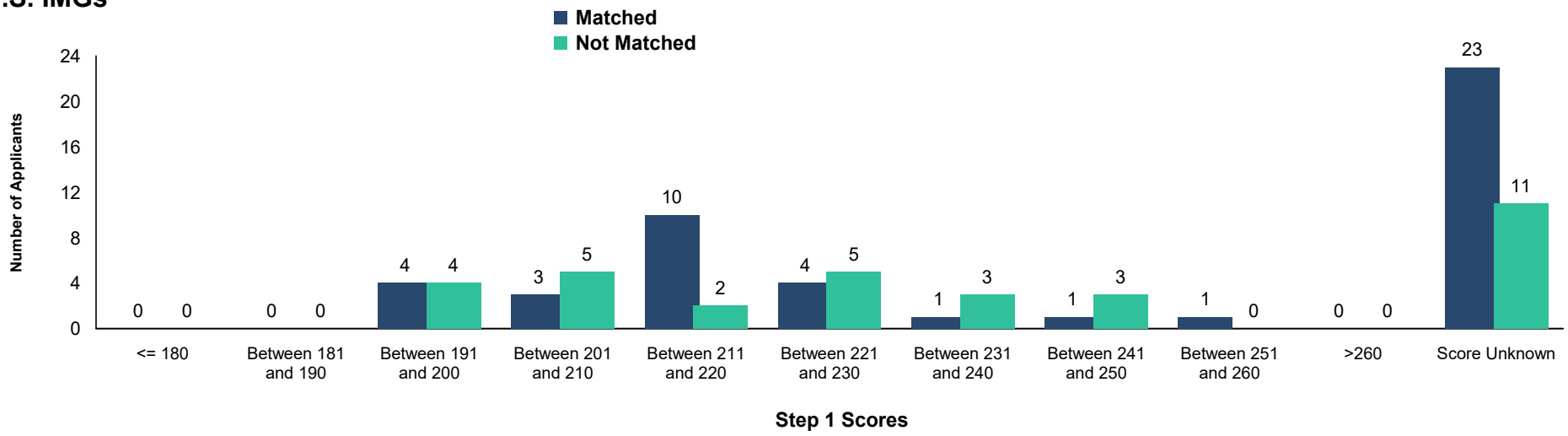
Chart N-3

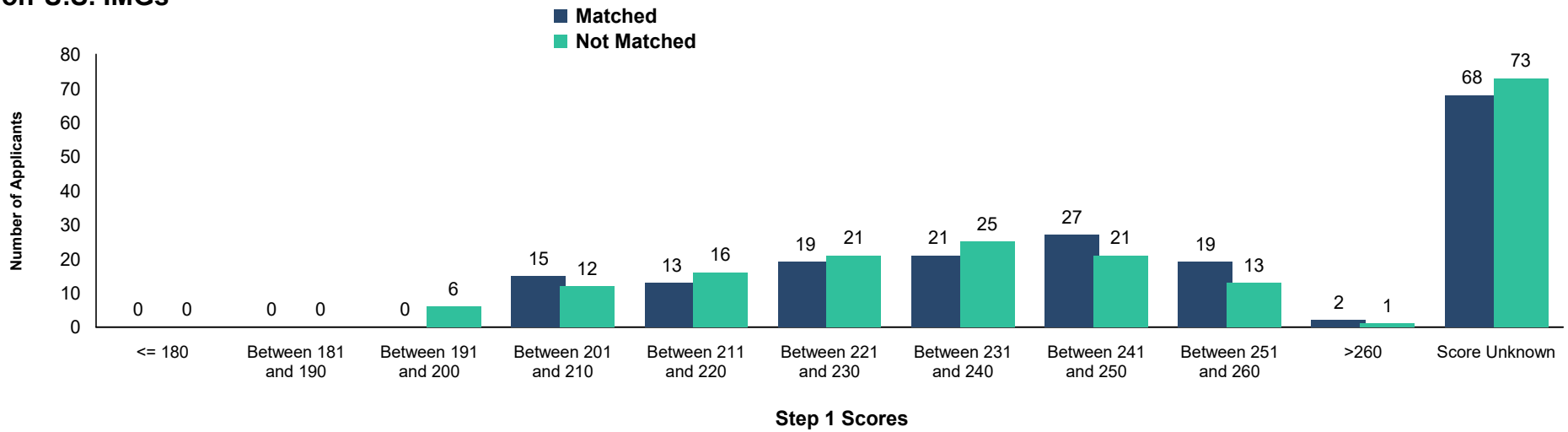
USMLE Step 1 Scores of International Medical Graduates

Neurology

U.S. IMGs



Non-U.S. IMGs



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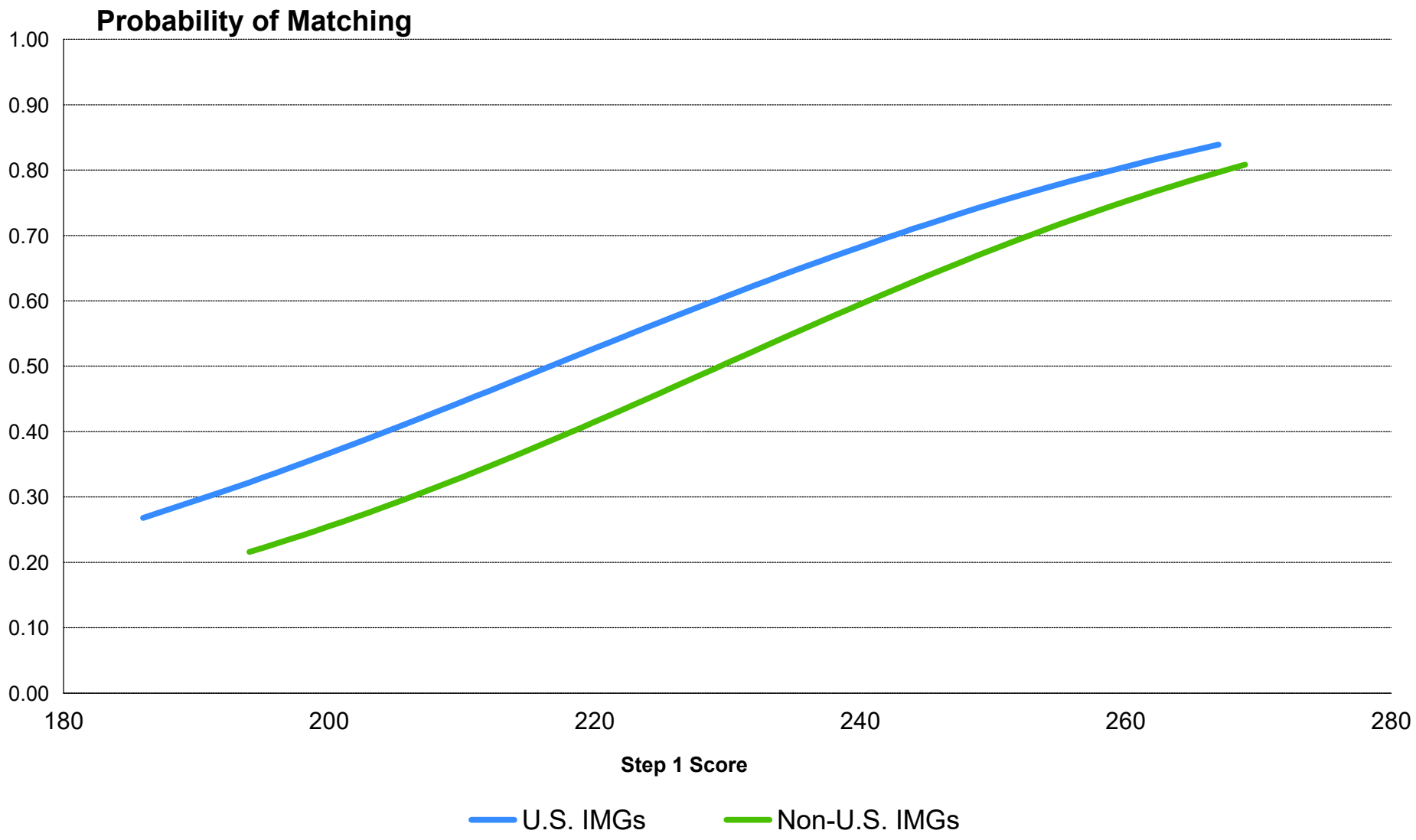
Graph N-2

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

Neurology



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

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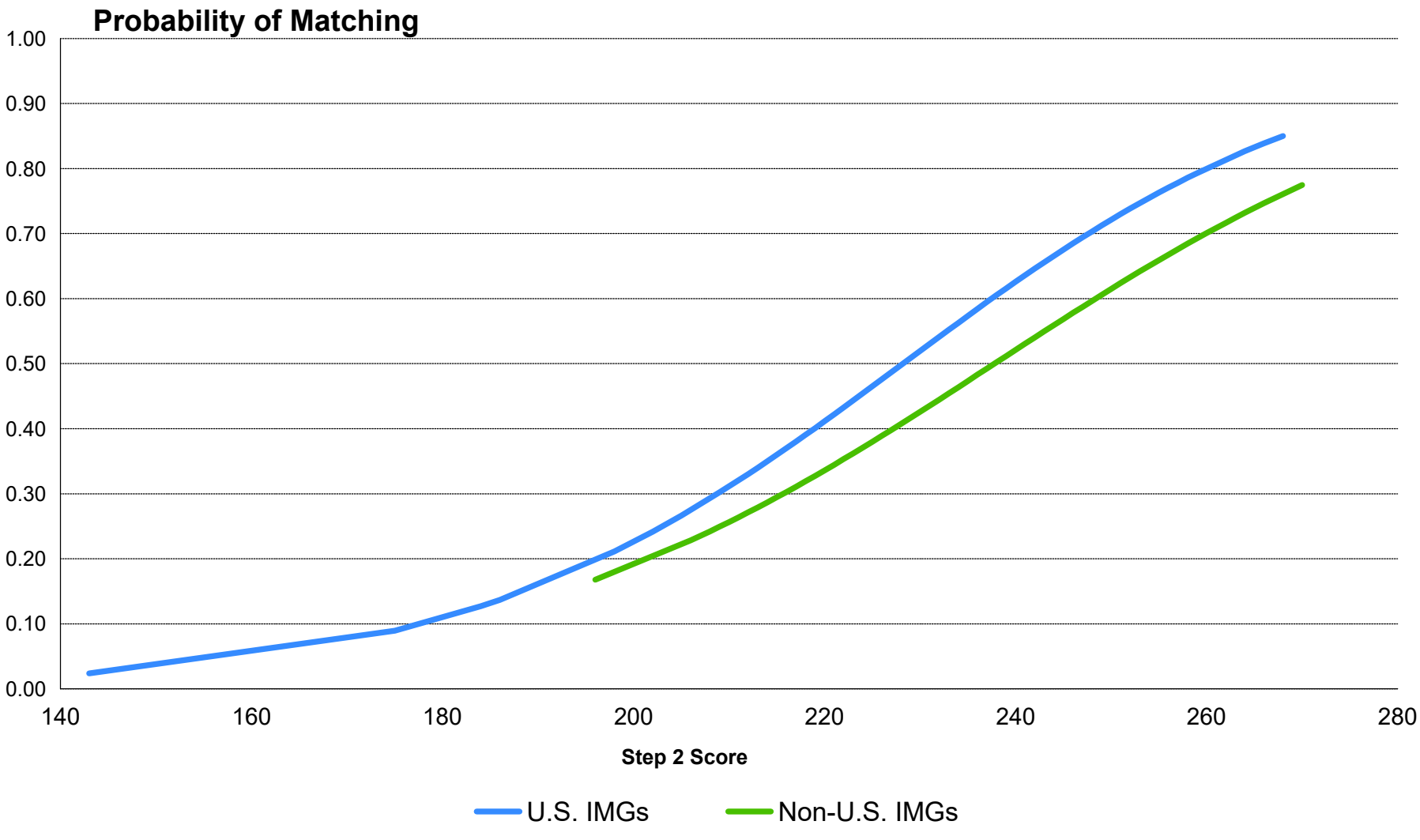
Graph N-3

Probability of International Medical Graduates Matching to Preferred Specialty by USMLE Step 2 Score

Neurology



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

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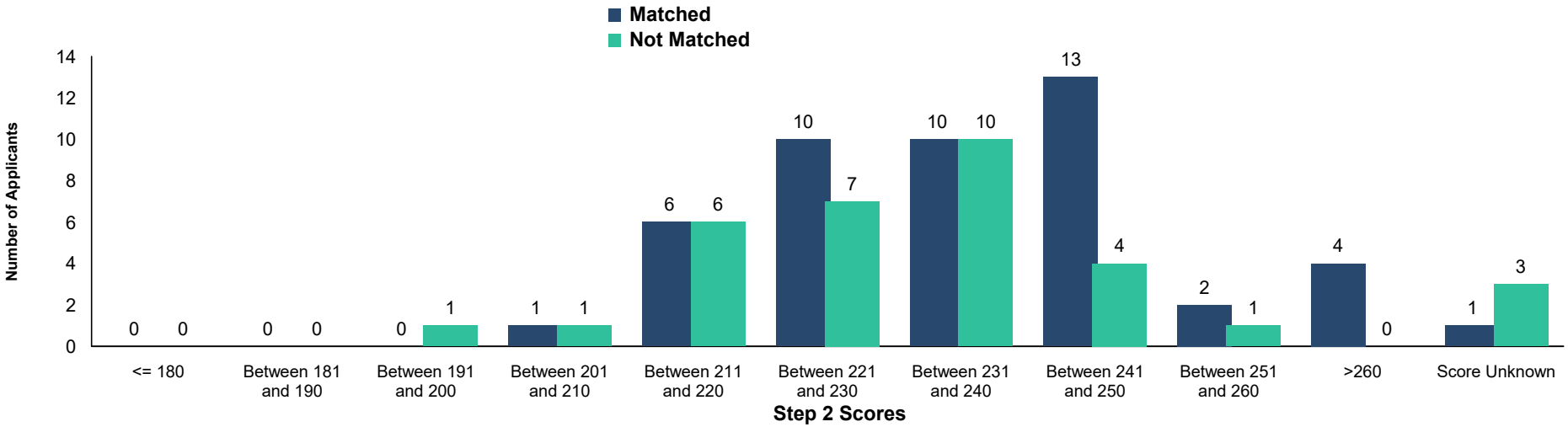
Chart N-4

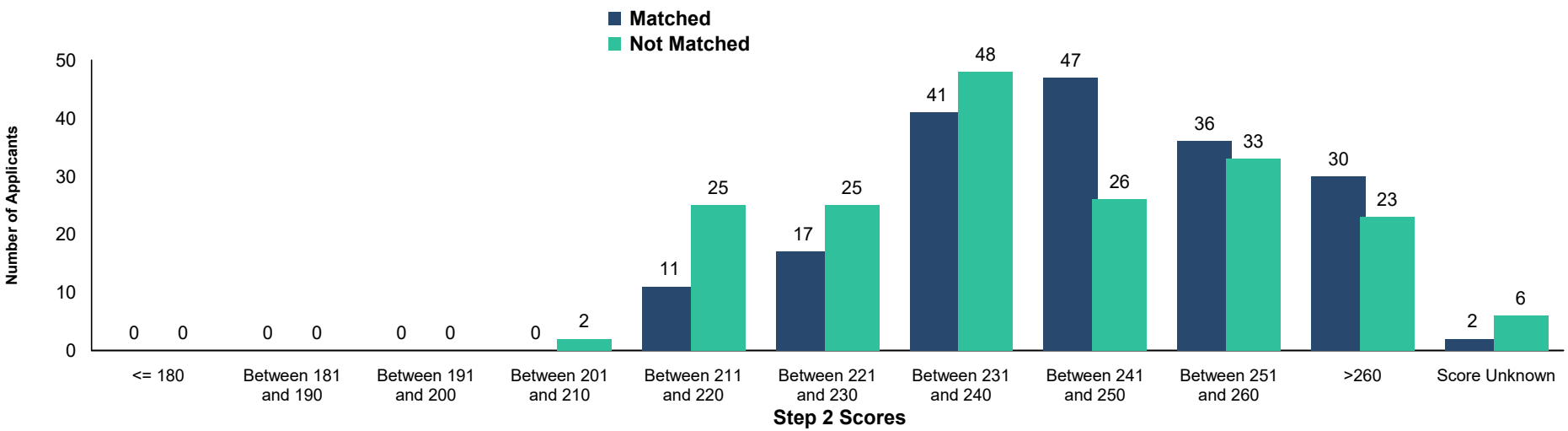
USMLE Step 2 CK Scores of International Medical Graduates

Neurology

U.S. IMGs



Non-U.S. IMGs



Source: NRMP Data Warehouse

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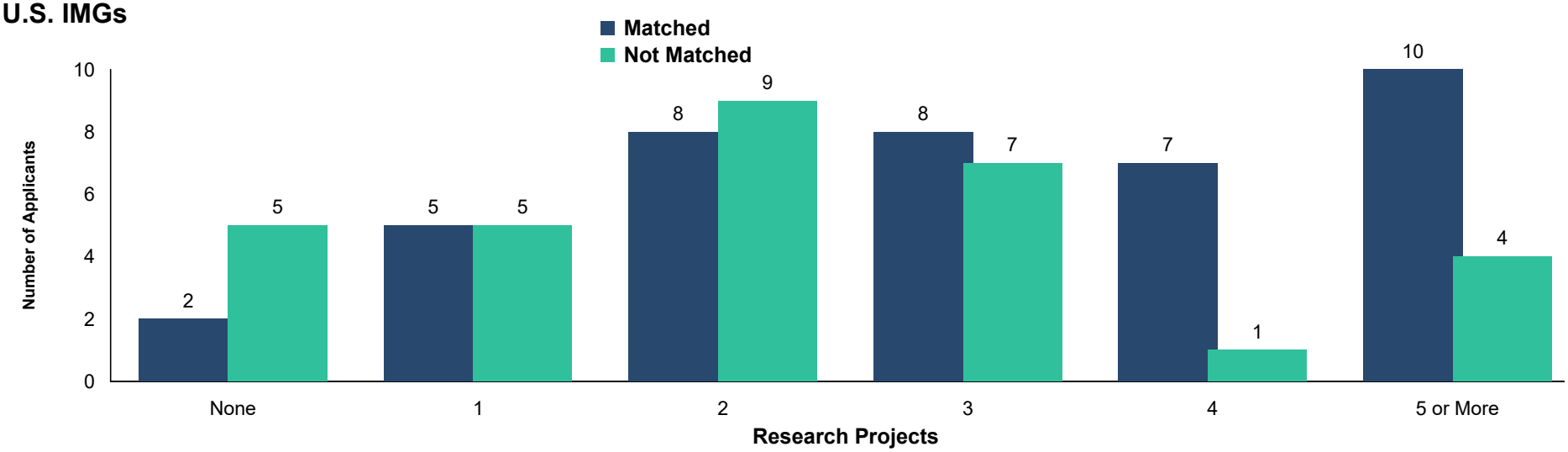
Chart N-5

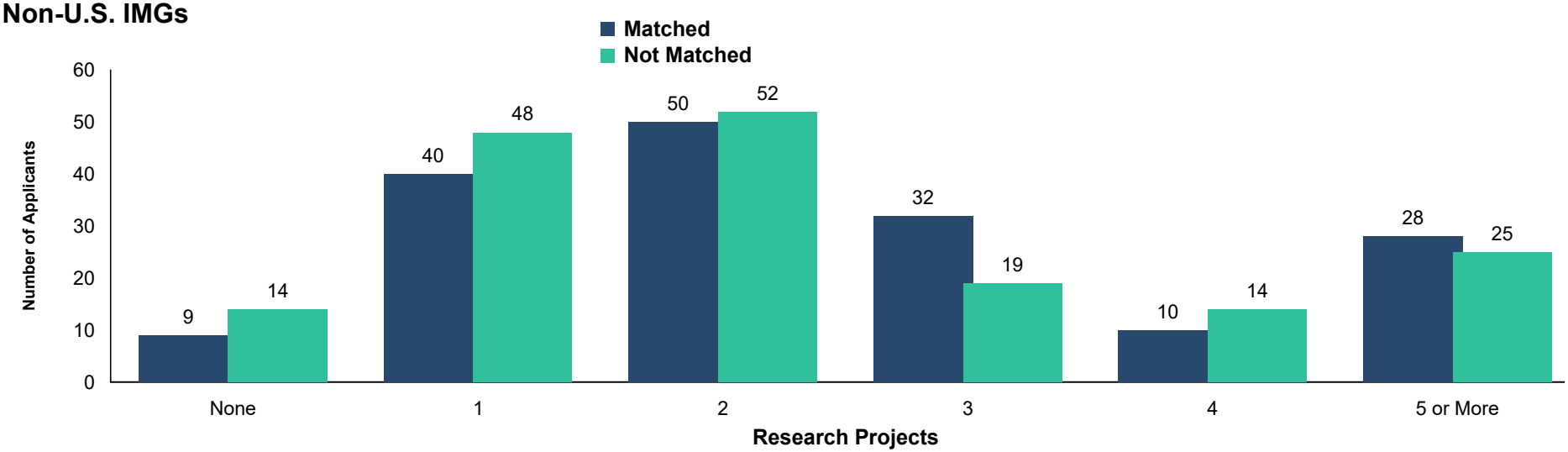
Number of Research Projects of International Medical Graduates

Neurology

U.S. IMGs



Non-U.S. IMGs



Source: NRMP Data Warehouse

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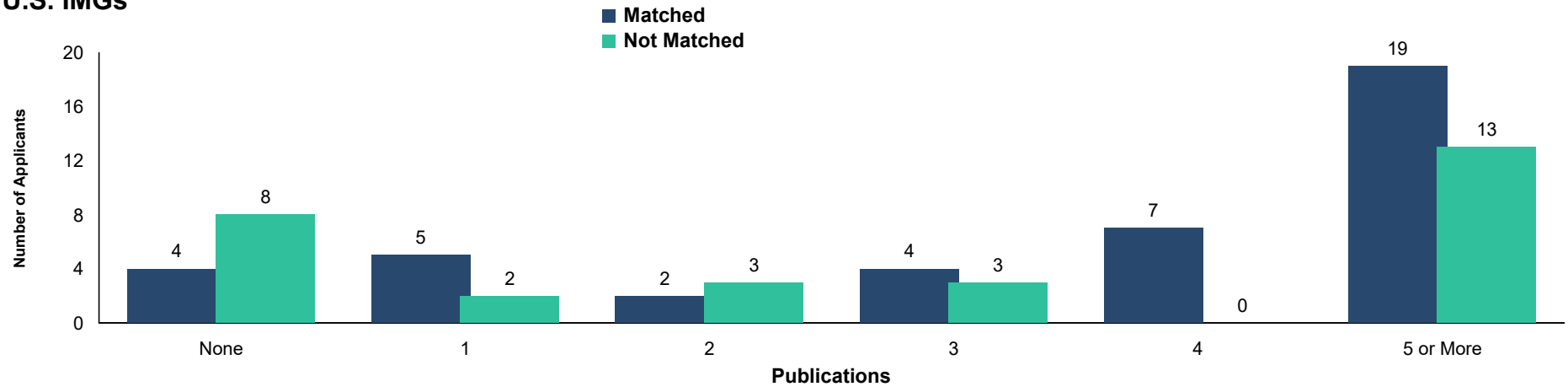
Chart N-6

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

Neurology

U.S. IMGs



Non-U.S. IMGs

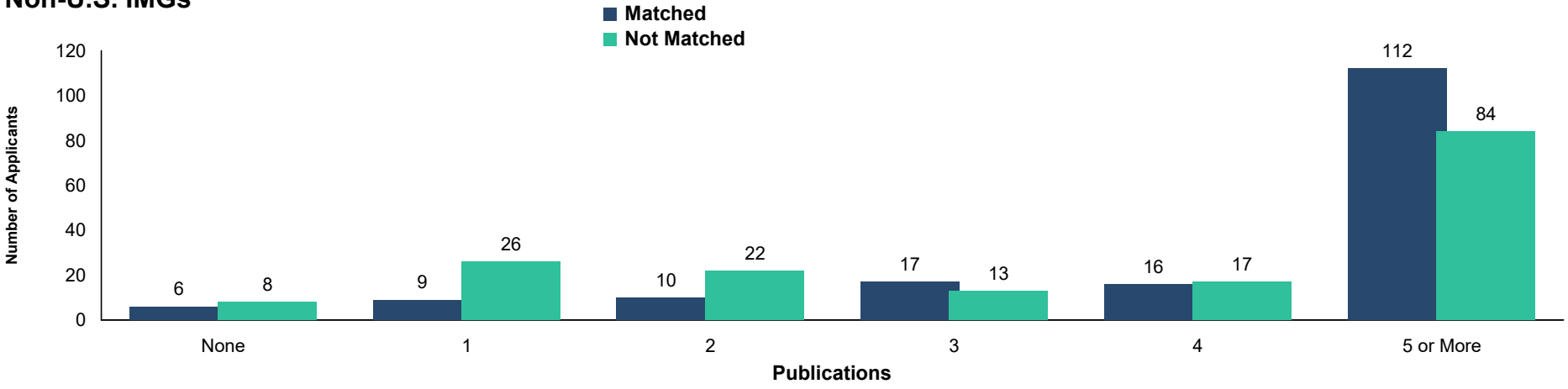


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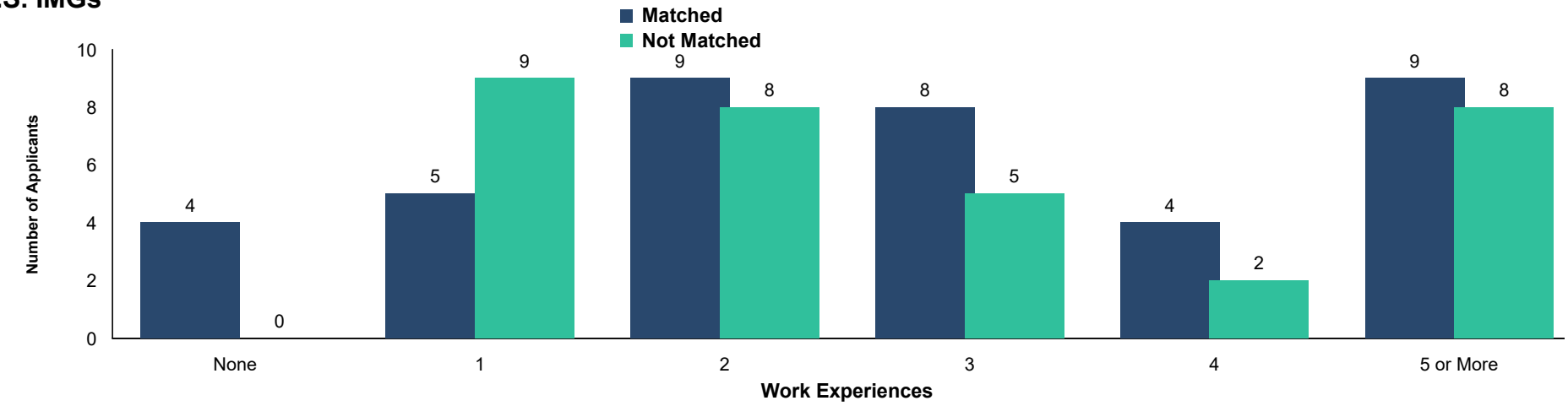
Chart N-7

Number of Work Experiences of International Medical Graduates

Neurology

U.S. IMGs



Non-U.S. IMGs

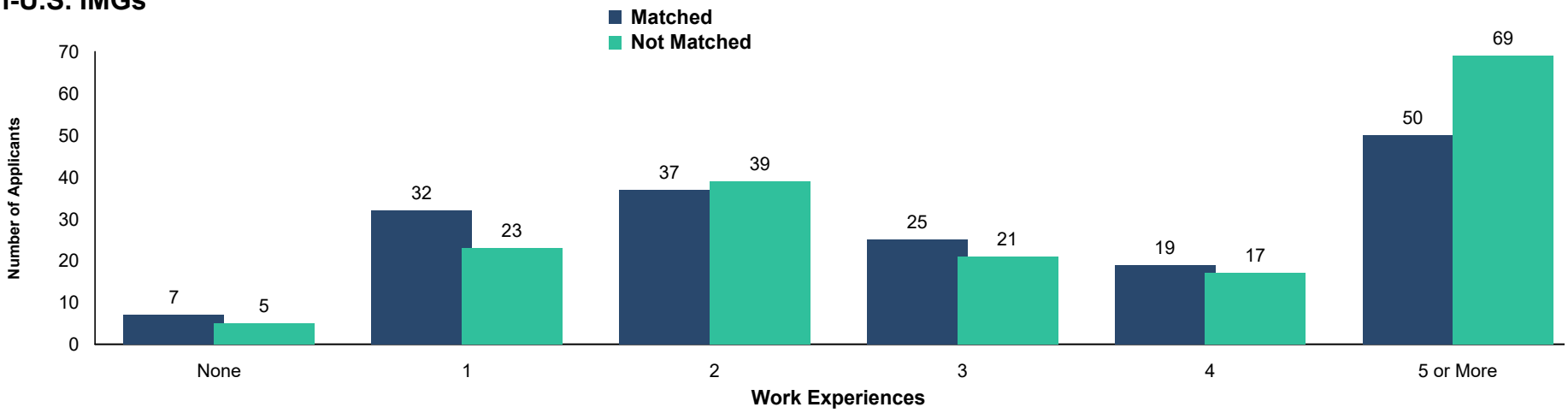


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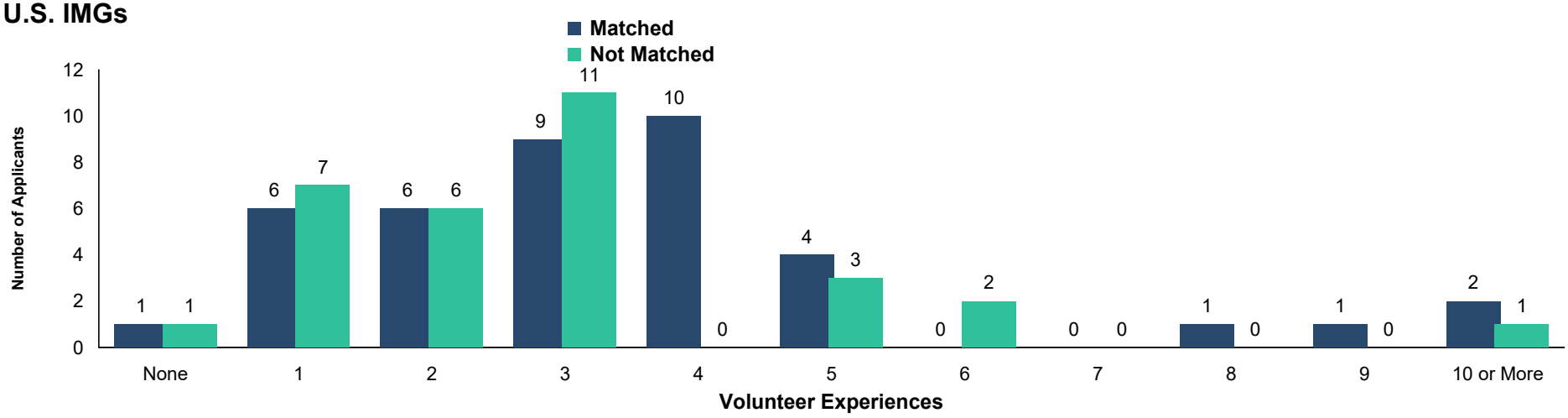
Chart N-8

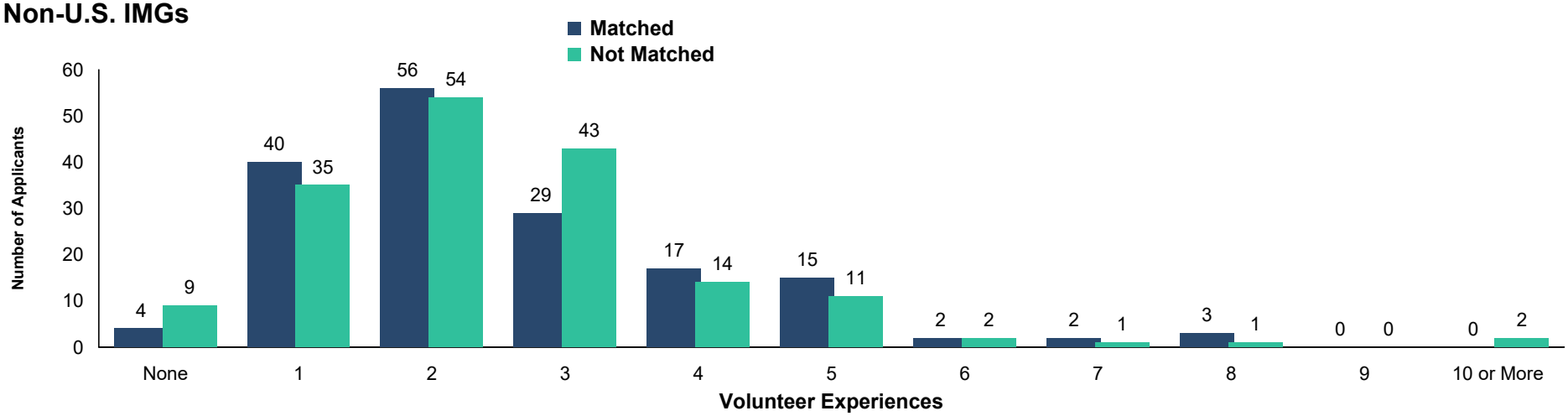
Number of Volunteer Experiences of International Medical Graduates

Neurology

U.S. IMGs



Non-U.S. IMGs



Source: NRMP Data Warehouse

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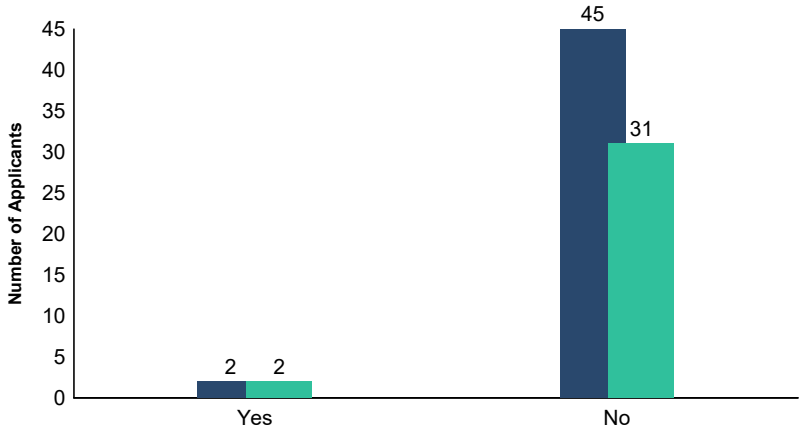
Chart N-9 Other Characteristics of International Medical Graduates

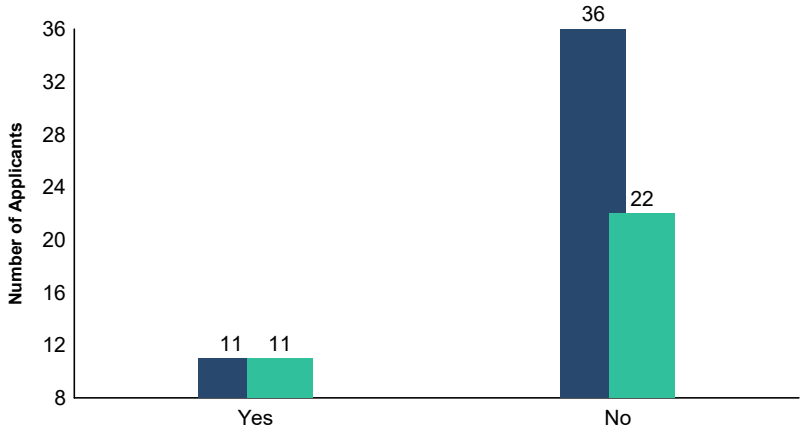
Neurology

U.S. IMGs

Ph.D. Degree

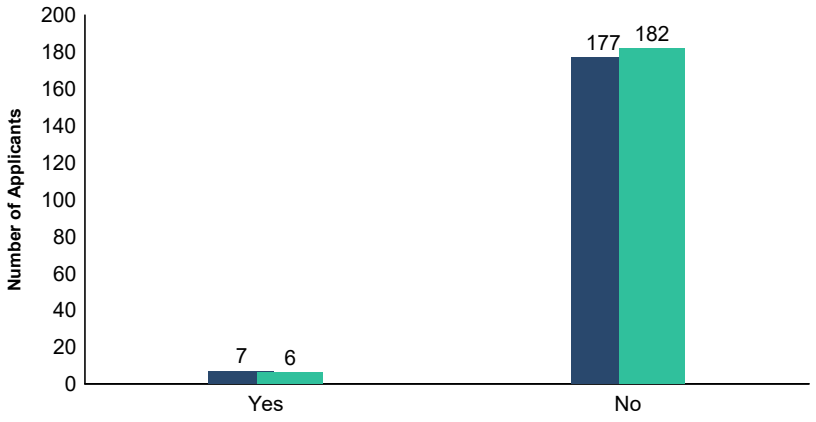


Other Graduate Degree

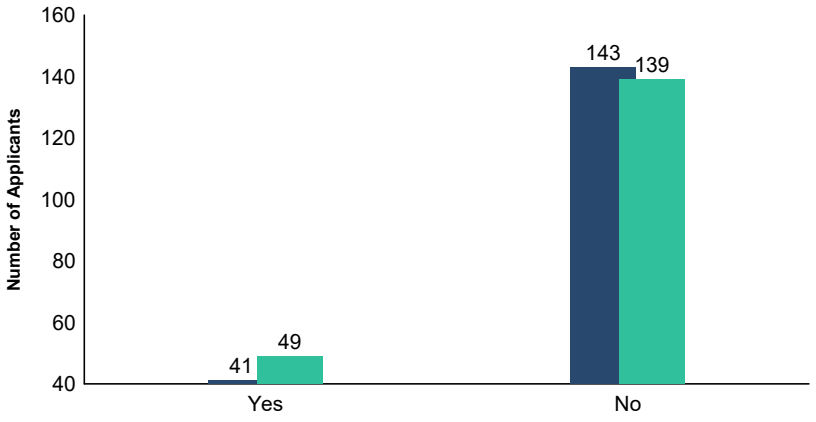


Non-U.S. IMGs

Ph.D. Degree



Other Graduate Degree



Source: NRMP Data Warehouse

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OB Obstetrics and Gynecology

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Table OB-1 Summary Statistics
Obstetrics and Gynecology

Measure	U.S. IMGs		Non-U.S. IMGs	
	Matched (n=41)	Unmatched (n=55)	Matched (n=36)	Unmatched (n=65)
1. Mean number of contiguous ranks	4.6	2.5	4.5	1.8
2. Mean number of distinct specialties ranked	1.1	1.5	1.4	1.5
3. Mean USMLE Step 1 score*	223	218	244	230
4. Mean USMLE Step 2 score	242	237	251	241
5. Mean number of research experiences	3.0	2.8	3.3	2.7
6. Mean number of abstracts, presentations, and publications	4.5	3.8	11.4	8.5
7. Mean number of work experiences	3.2	3.3	4.1	3.8
8. Mean number of volunteer experiences	4.0	3.8	4.1	2.9
9. Percentage who have a Ph.D. degree	0.0	0.0	0.0	5.1
10. Percentage who have another graduate degree	22.5	20.4	25.7	35.0

Note: * Only applicants who gave consent to use their information in research are included.
*Only applicants who indicated completion of the USMLE Step 1 exam prior to the transition to pass/fail (i.e., prior to January 26, 2022) had the option to self-report their Step 1 numeric score. In 2024, 6,845 IMGs (2,248 U.S. IMGs and 4,597 non-U.S. IMGs) self-reported Step 1 numeric scores.
Source. NRMP Data Warehouse

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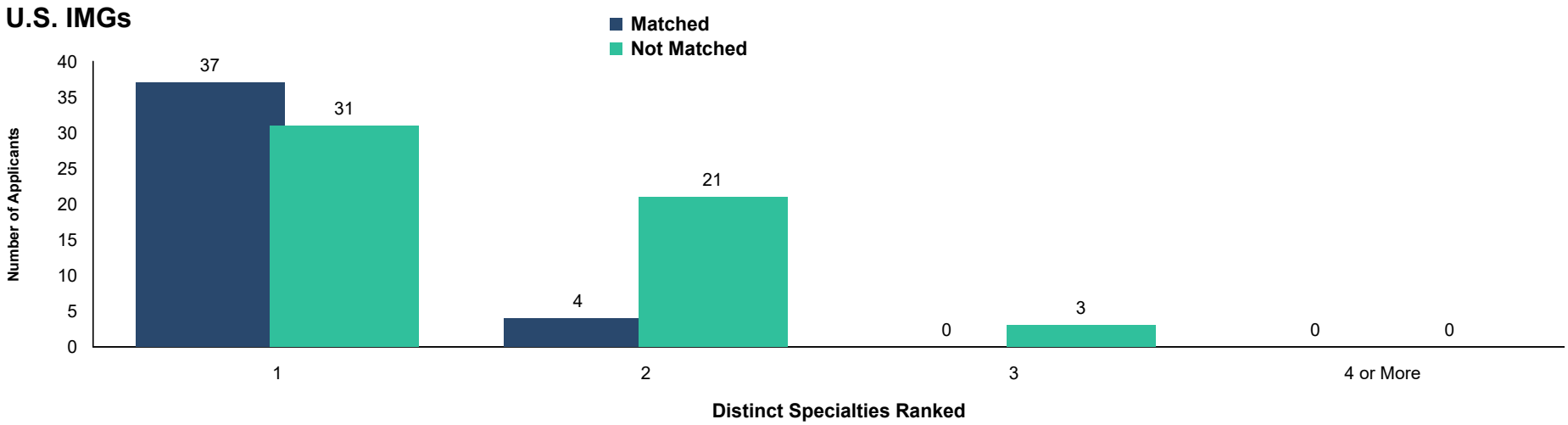
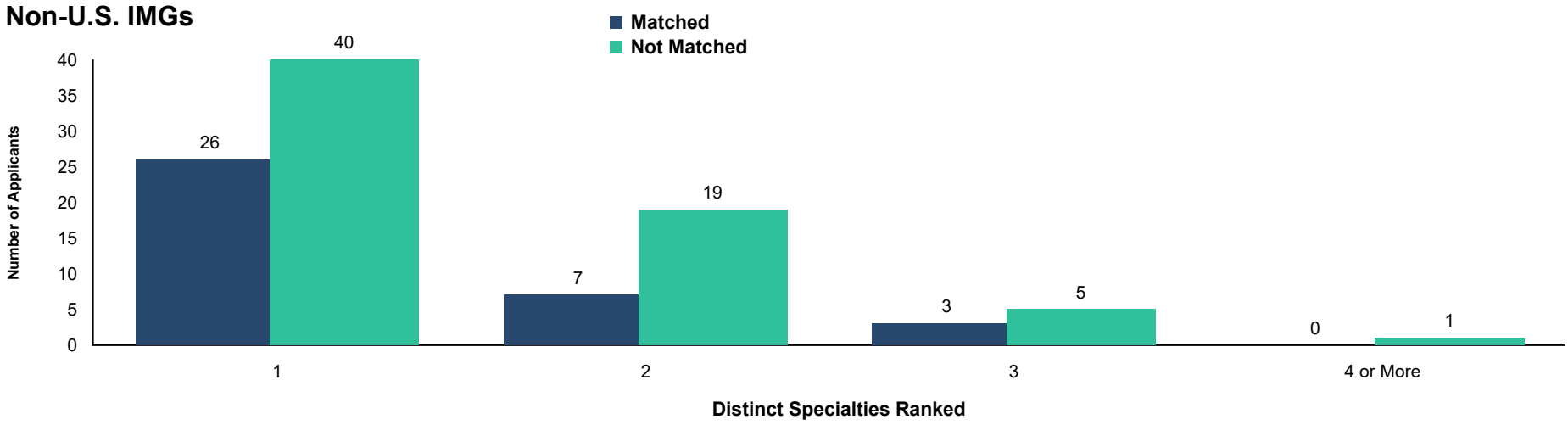
Chart OB-1 Number of Distinct Specialties Ranked by International Medical Graduates Obstetrics and Gynecology





Source: NRMP Data Warehouse

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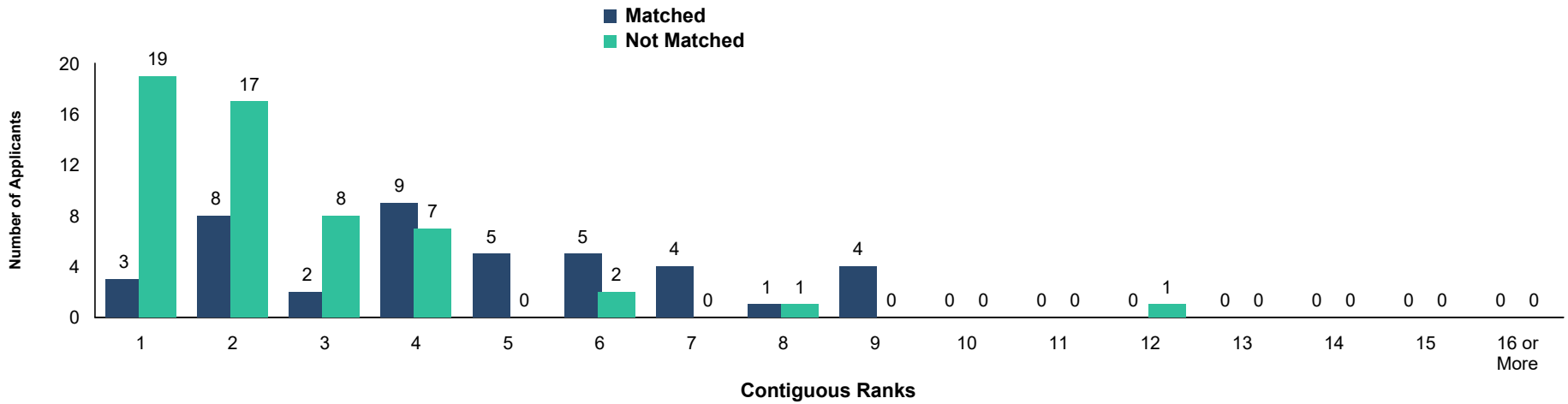
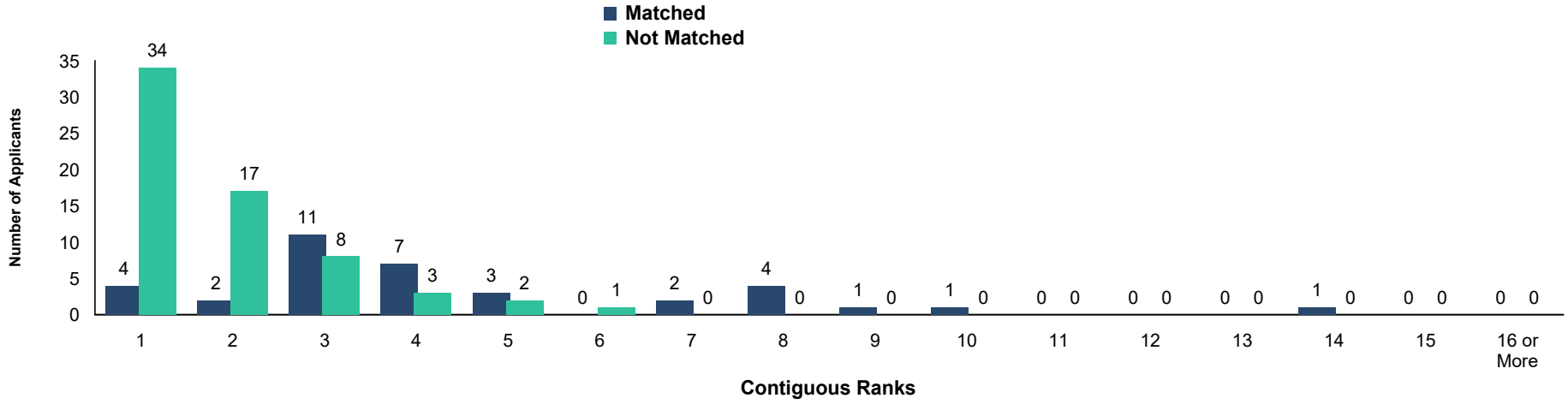
Chart OB-2 Number of Contiguous Ranks of International Medical Graduates Obstetrics and Gynecology

U.S. IMGs



Non-U.S. IMGs



Source: NRMP Data Warehouse

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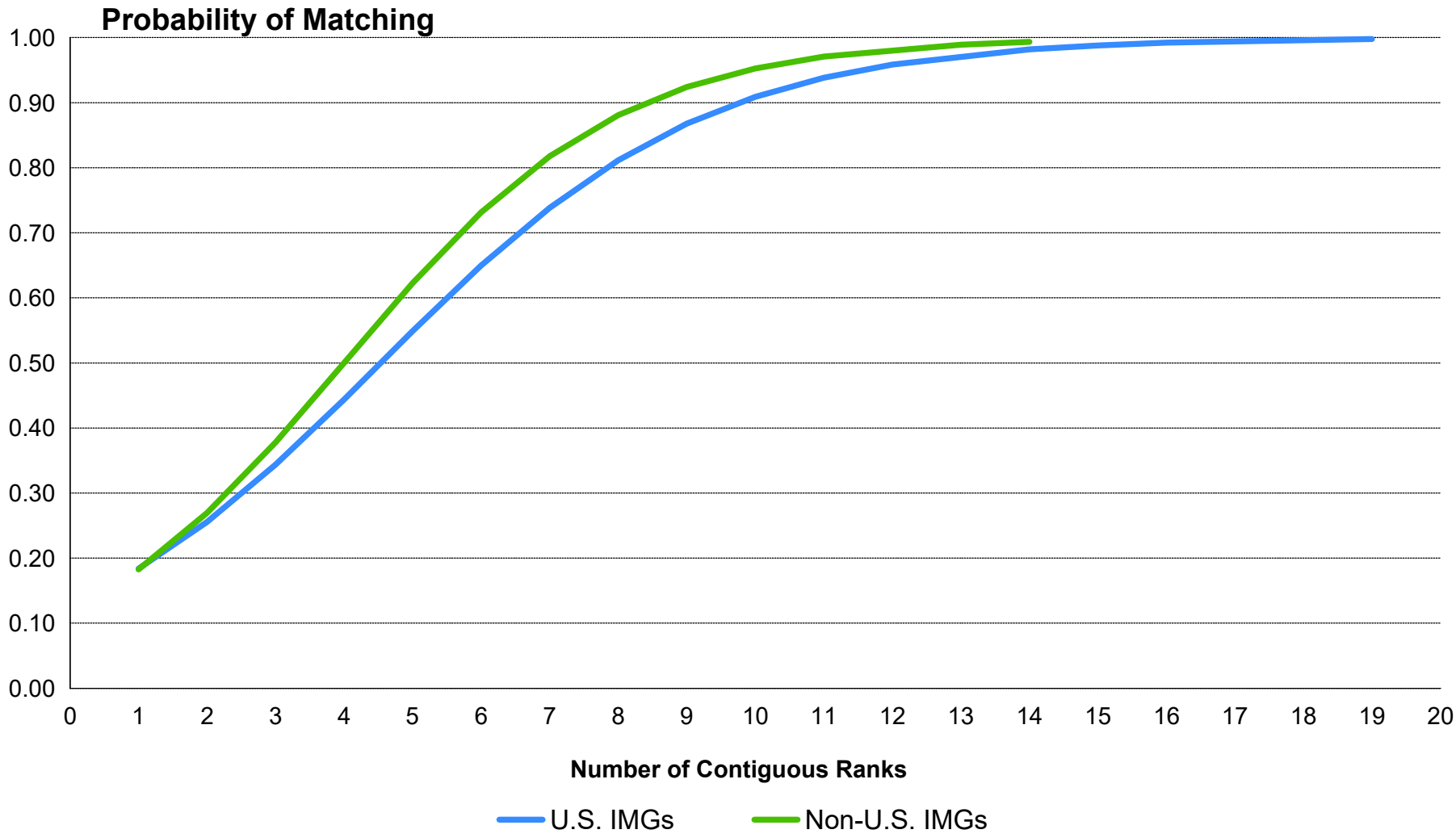
Graph OB-1

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 2022-2024 applicants

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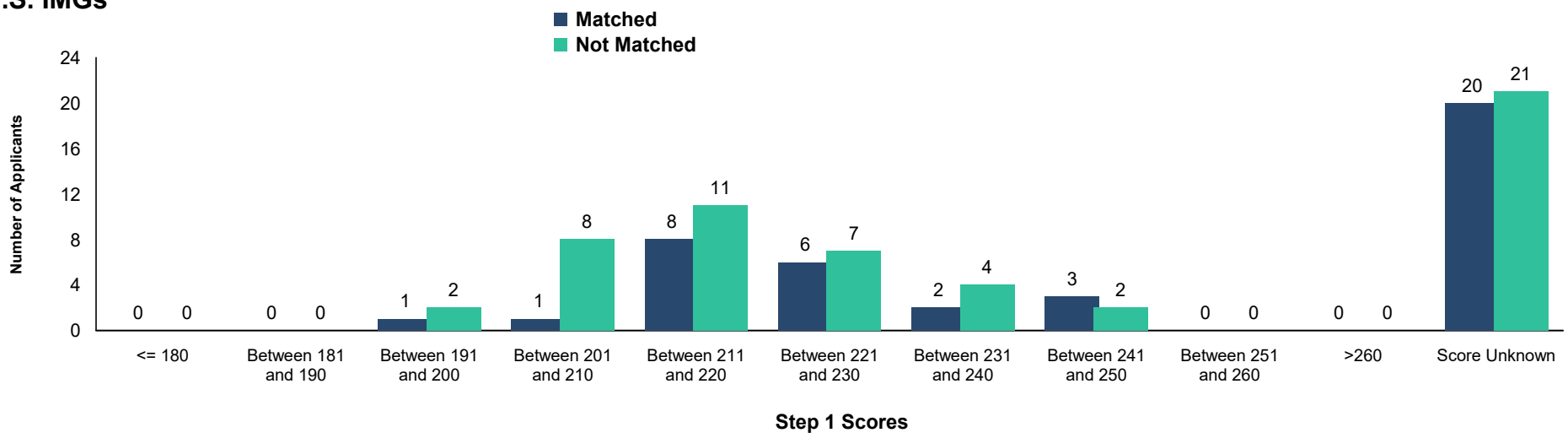
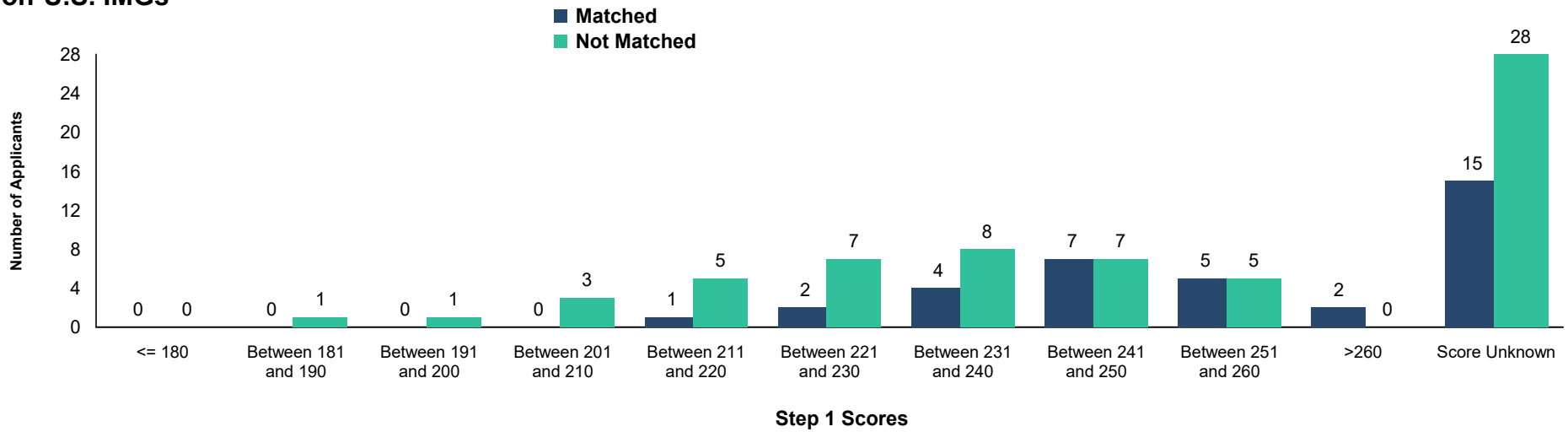
Chart OB-3 USMLE Step 1 Scores of International Medical Graduates

Obstetrics and Gynecology

U.S. IMGs



Non-U.S. IMGs



Source: NRMP Data Warehouse

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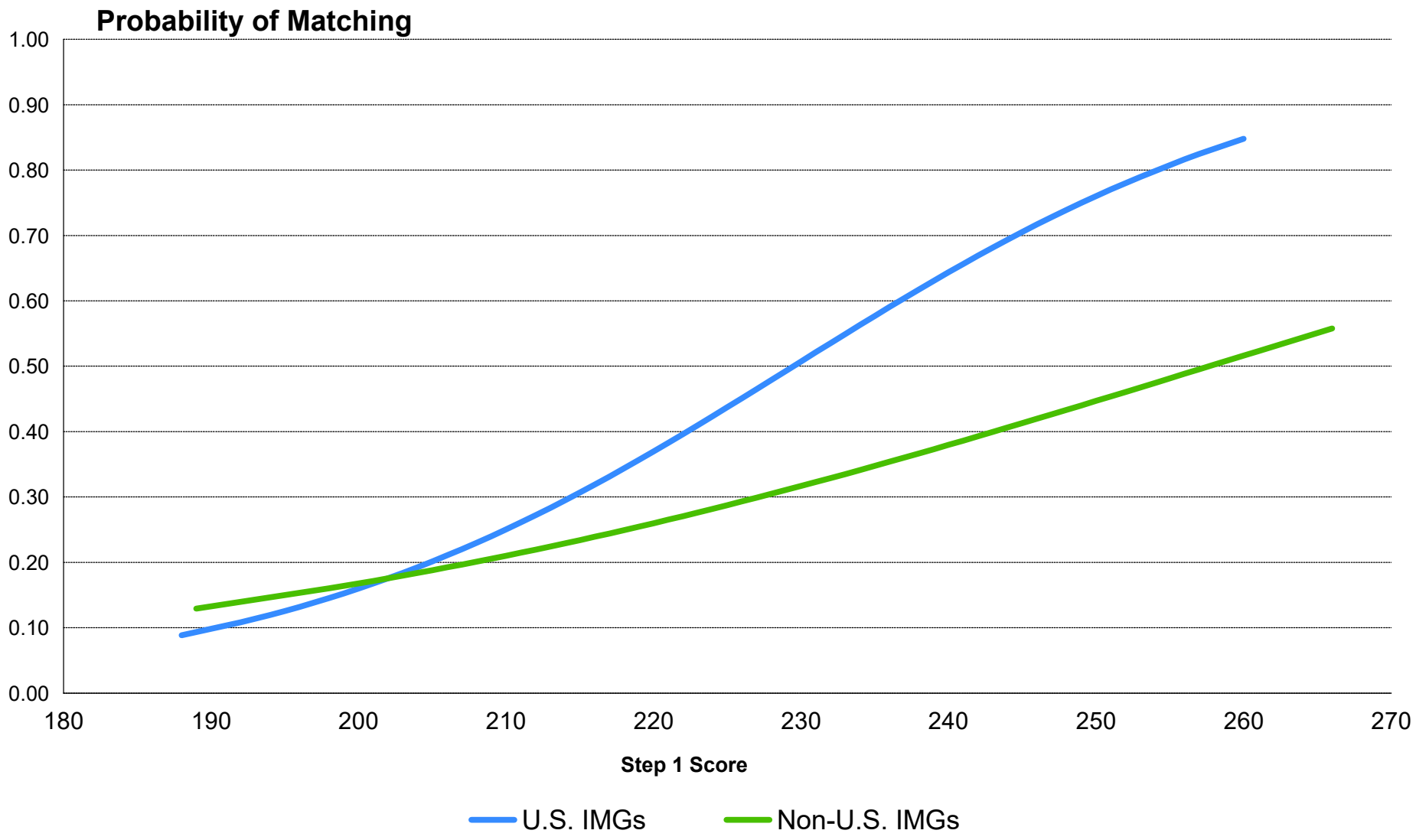
Graph OB-2

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 2022-2024 applicants.

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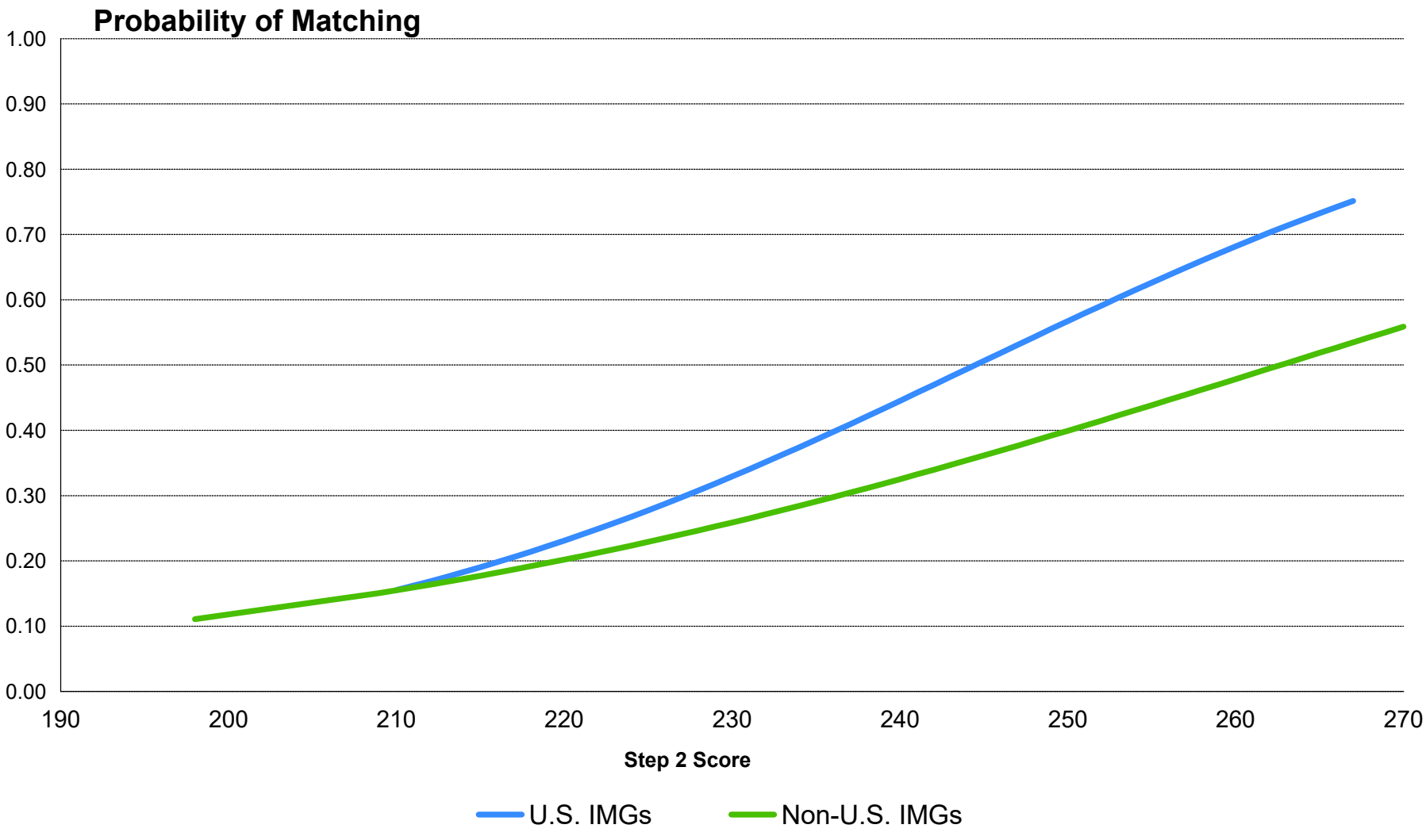
Graph OB-3

Probability of International Medical Graduates Matching to Preferred Specialty by USMLE Step 2 Score

Obstetrics and Gynecology



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

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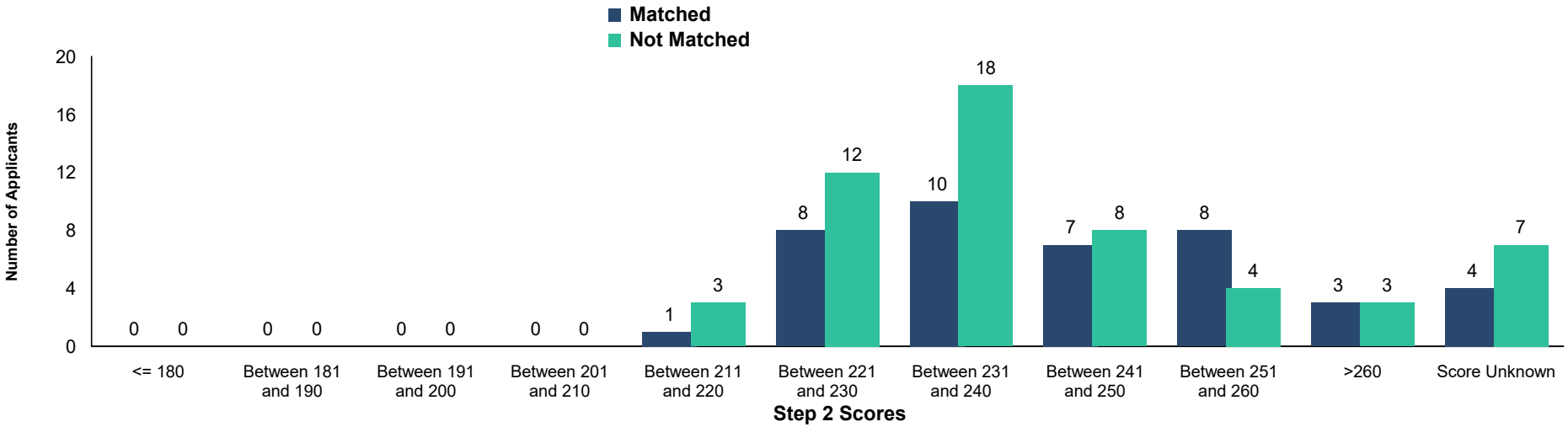
Chart OB-4

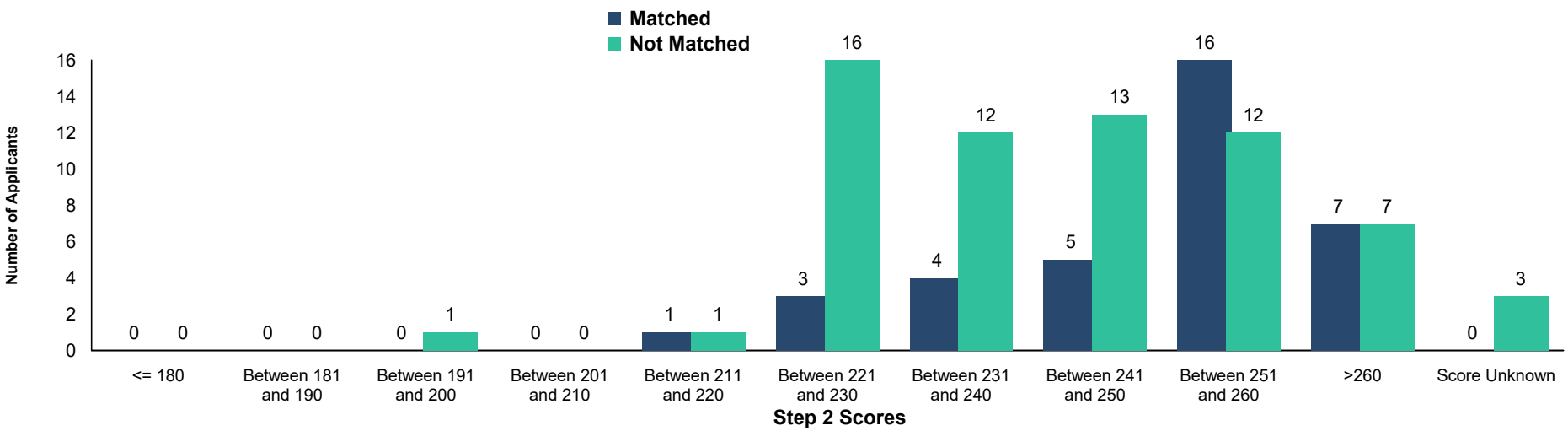
USMLE Step 2 CK Scores of International Medical Graduates

Obstetrics and Gynecology

U.S. IMGs



Non-U.S. IMGs



Source: NRMP Data Warehouse

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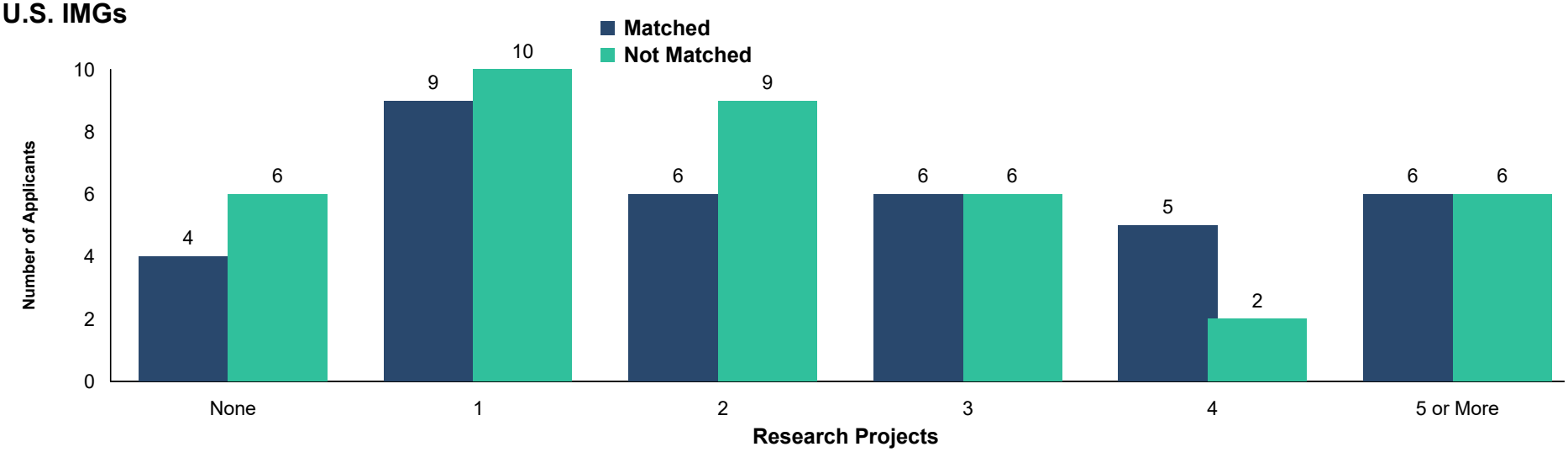
Chart OB-5

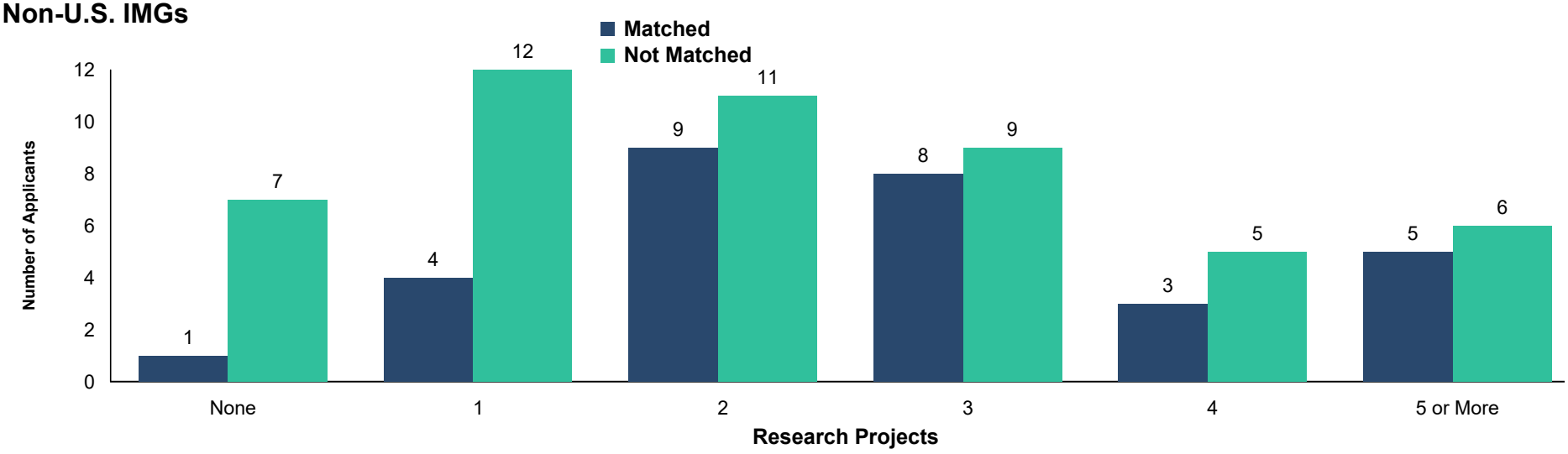
Number of Research Projects of International Medical Graduates

Obstetrics and Gynecology

U.S. IMGs



Non-U.S. IMGs



Source: NRMP Data Warehouse

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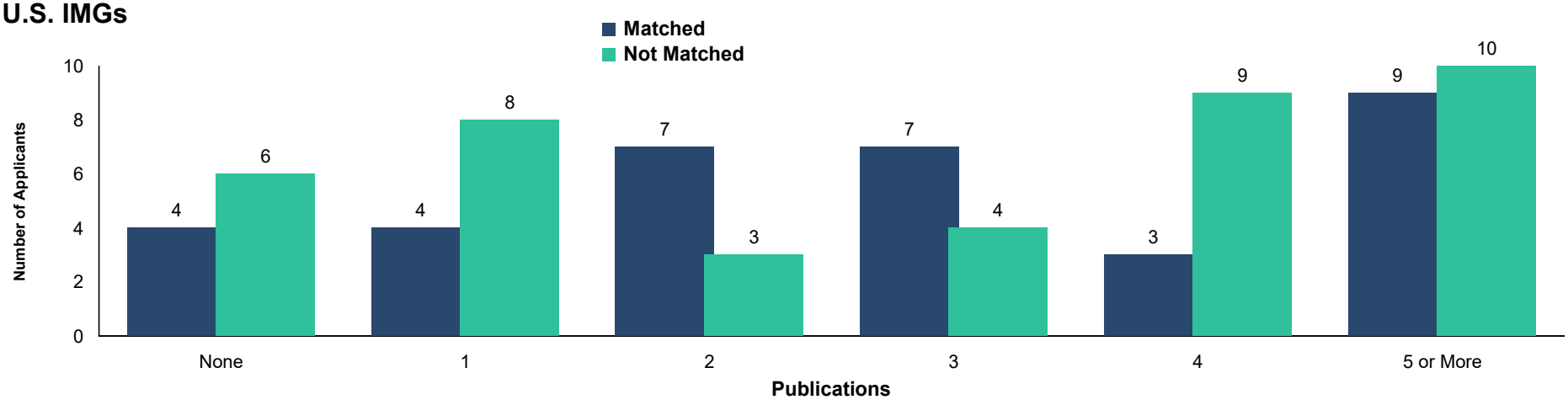
Chart OB-6

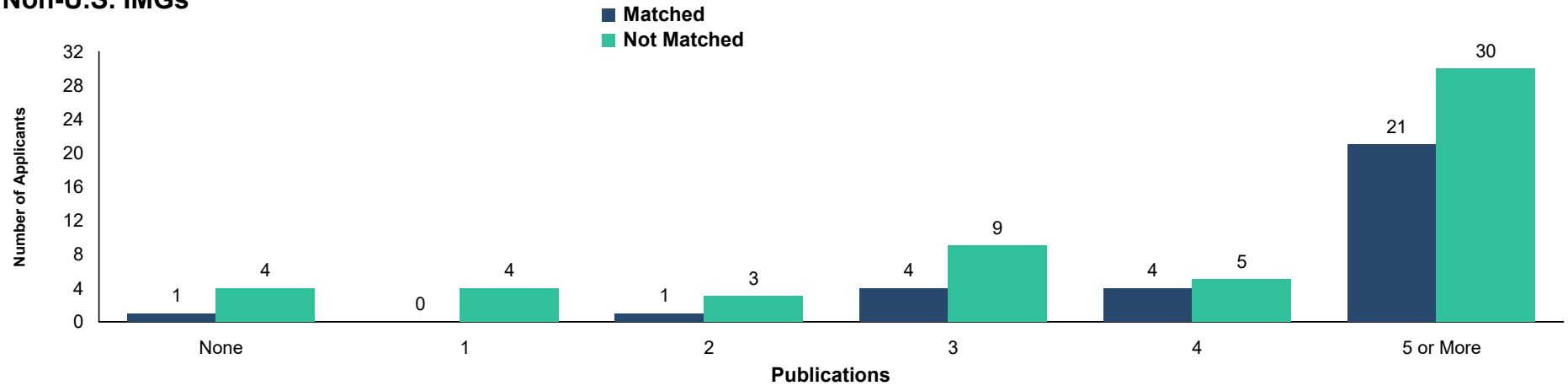
Number of Abstracts, Presentations, and Publications of International Medical Graduates

Obstetrics and Gynecology

U.S. IMGs



Non-U.S. IMGs



Source: NRMP Data Warehouse

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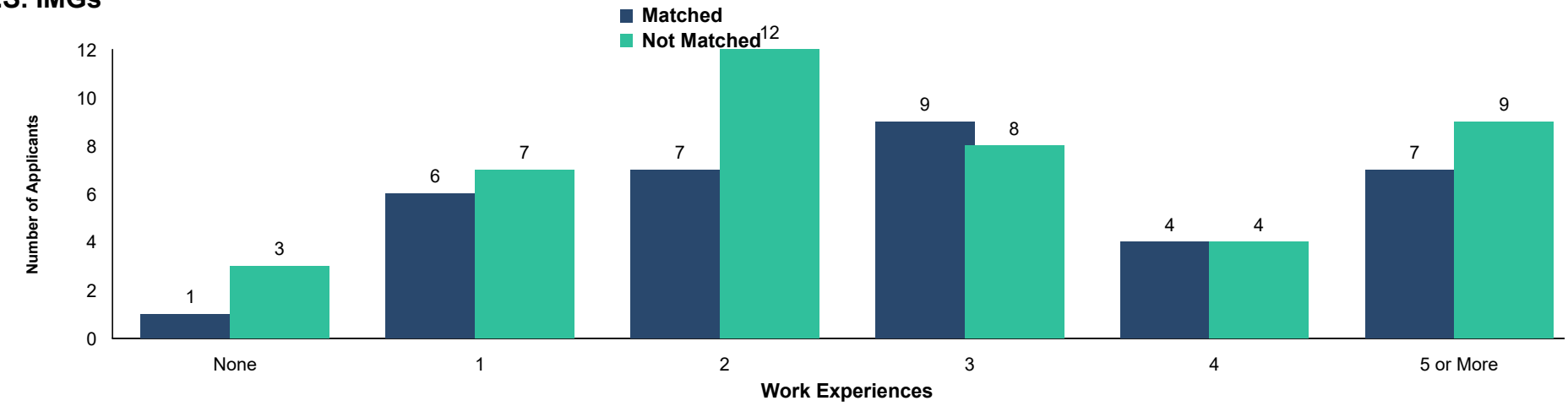
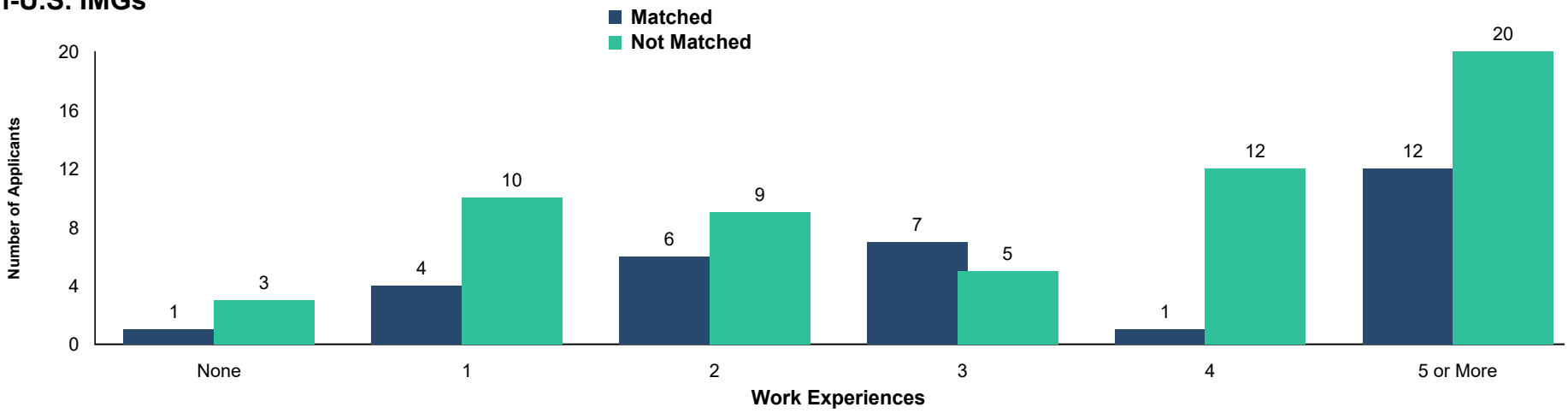
Chart OB-7 Number of Work Experiences of International Medical Graduates

Obstetrics and Gynecology

U.S. IMGs



Non-U.S. IMGs



Source: NRMP Data Warehouse

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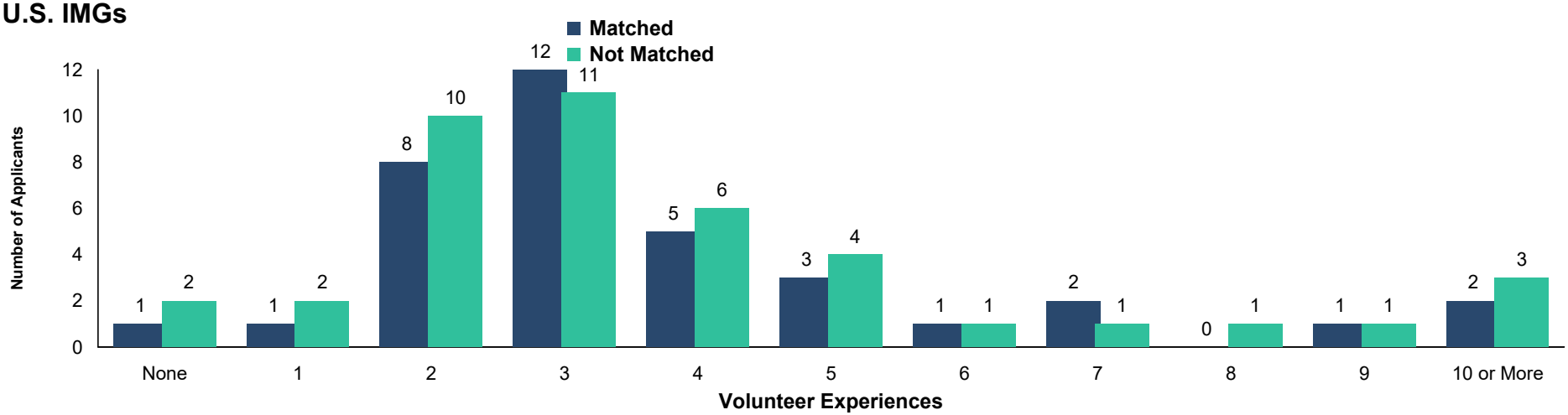
Chart OB-8

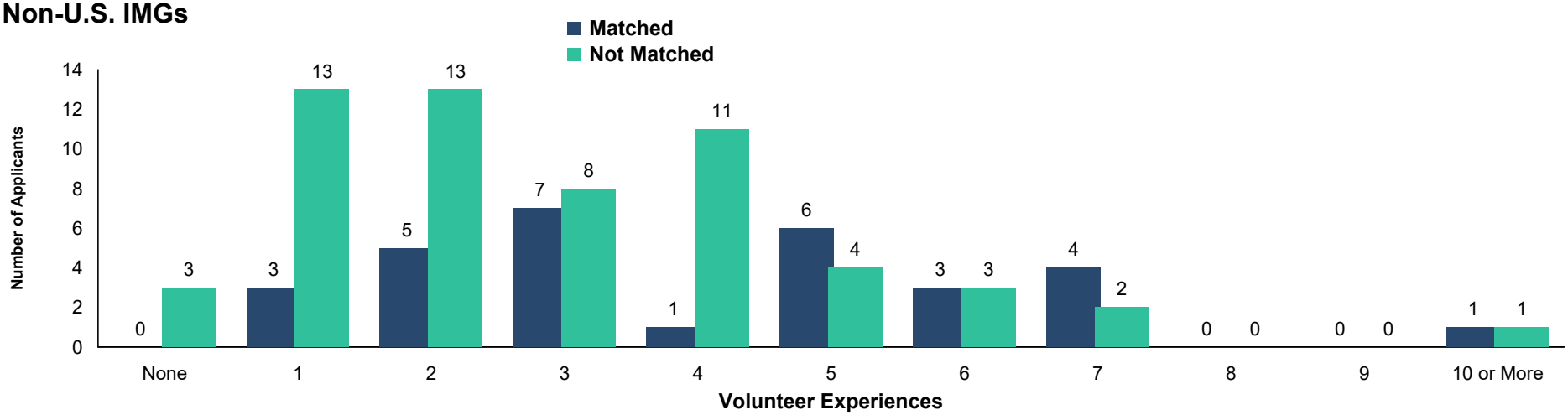
Number of Volunteer Experiences of International Medical Graduates

Obstetrics and Gynecology

U.S. IMGs



Non-U.S. IMGs



Source: NRMP Data Warehouse

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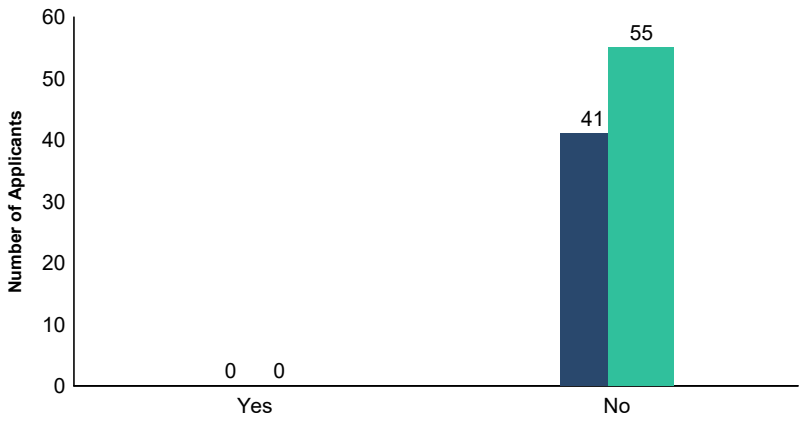
Chart OB-9 Other Characteristics of International Medical Graduates

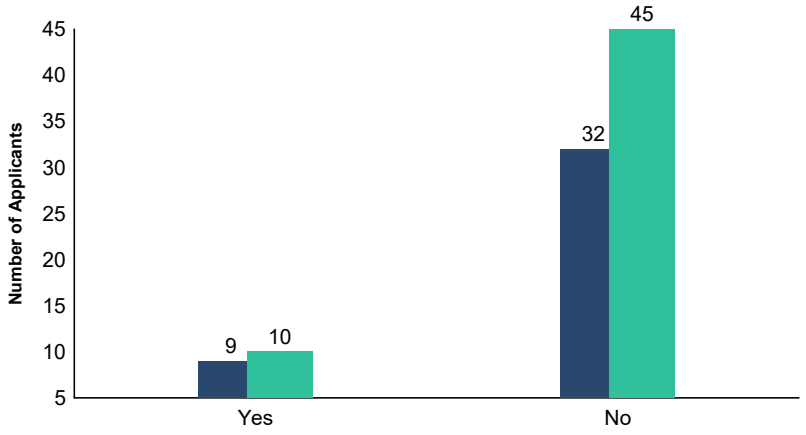
Obstetrics and Gynecology

U.S. IMGs

Ph.D. Degree

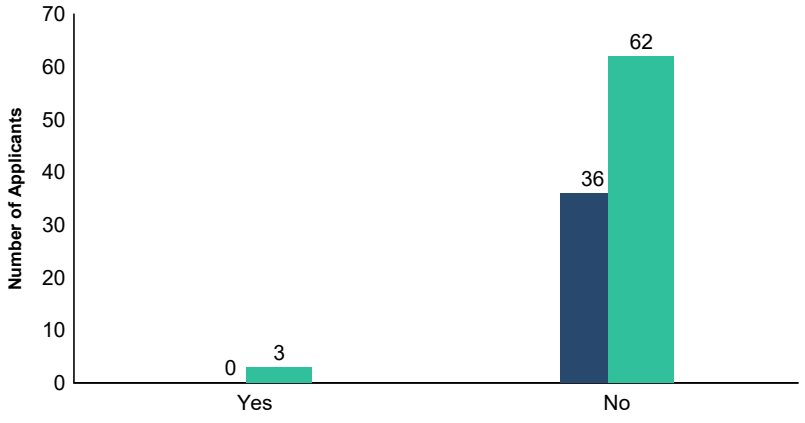


Other Graduate Degree

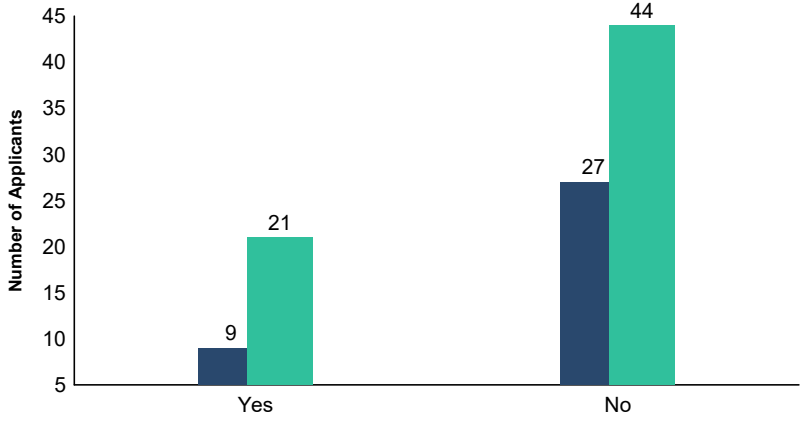


Non-U.S. IMGs

Ph.D. Degree



Other Graduate Degree



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ORS Orthopaedic Surgery

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Table ORS-1 Summary Statistics
Orthopaedic Surgery

Measure	U.S. IMGs		Non-U.S. IMGs	
	Matched (n=3)	Unmatched (n=16)	Matched (n=1)	Unmatched (n=11)
1. Mean number of contiguous ranks	5.0	2.2	2.0	5.7
2. Mean number of distinct specialties ranked	1.0	1.5	1.0	1.6
3. Mean USMLE Step 1 score*	222	235	244	243
4. Mean USMLE Step 2 score	243	246	247	249
5. Mean number of research experiences	19.0	4.2	3.0	12.3
6. Mean number of abstracts, presentations, and publications	30.3	27.0	100.0	38.6
7. Mean number of work experiences	2.7	3.3	6.0	4.0
8. Mean number of volunteer experiences	2.3	4.1	3.0	2.1
9. Percentage who have a Ph.D. degree	0.0	0.0	0.0	10.0
10. Percentage who have another graduate degree	0.0	21.4	100.0	30.0

Note: * Only applicants who gave consent to use their information in research are included.
*Only applicants who indicated completion of the USMLE Step 1 exam prior to the transition to pass/fail (i.e., prior to January 26, 2022) had the option to self-report their Step 1 numeric score. In 2024, 6,845 IMGs (2,248 U.S. IMGs and 4,597 non-U.S. IMGs) self-reported Step 1 numeric scores.
Source. NRMP Data Warehouse

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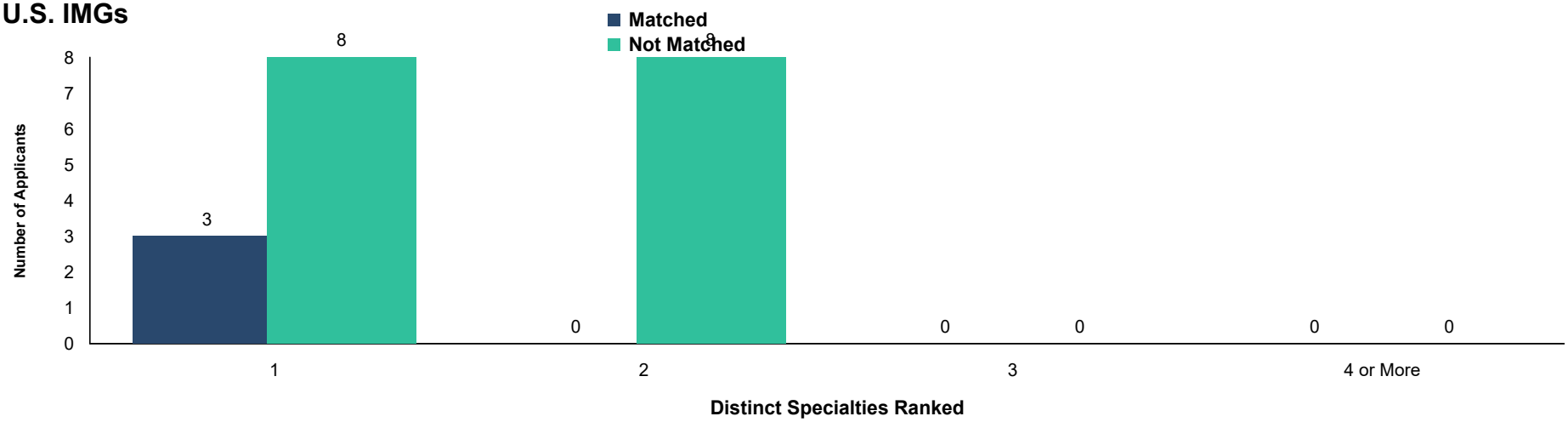
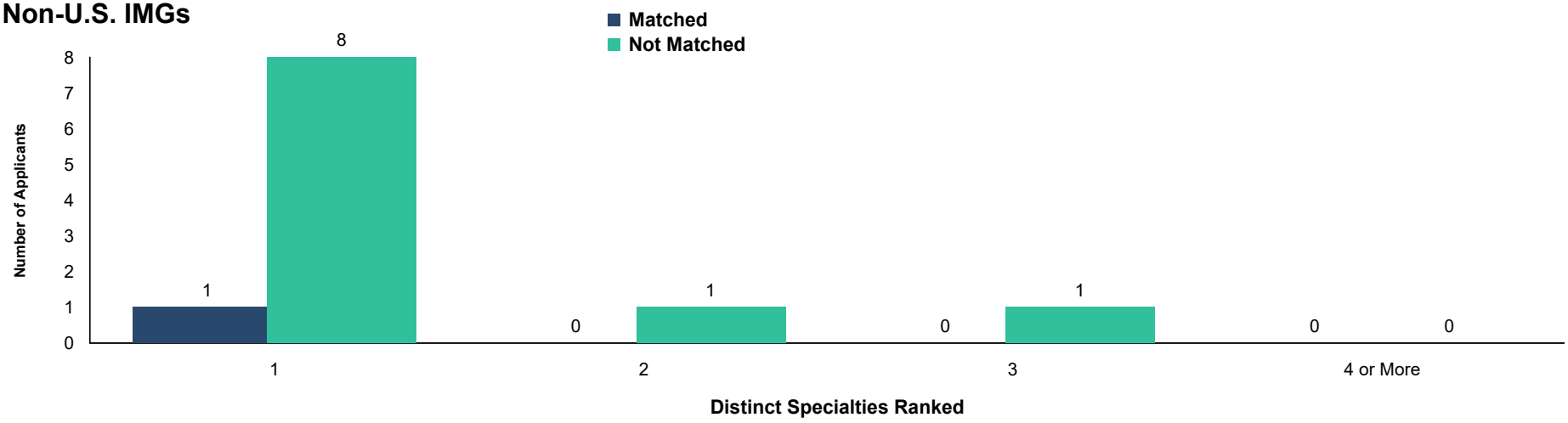
Chart ORS-1 Number of Distinct Specialties Ranked by International Medical Graduates Orthopaedic Surgery

U.S. IMGs



Non-U.S. IMGs



Source: NRMP Data Warehouse

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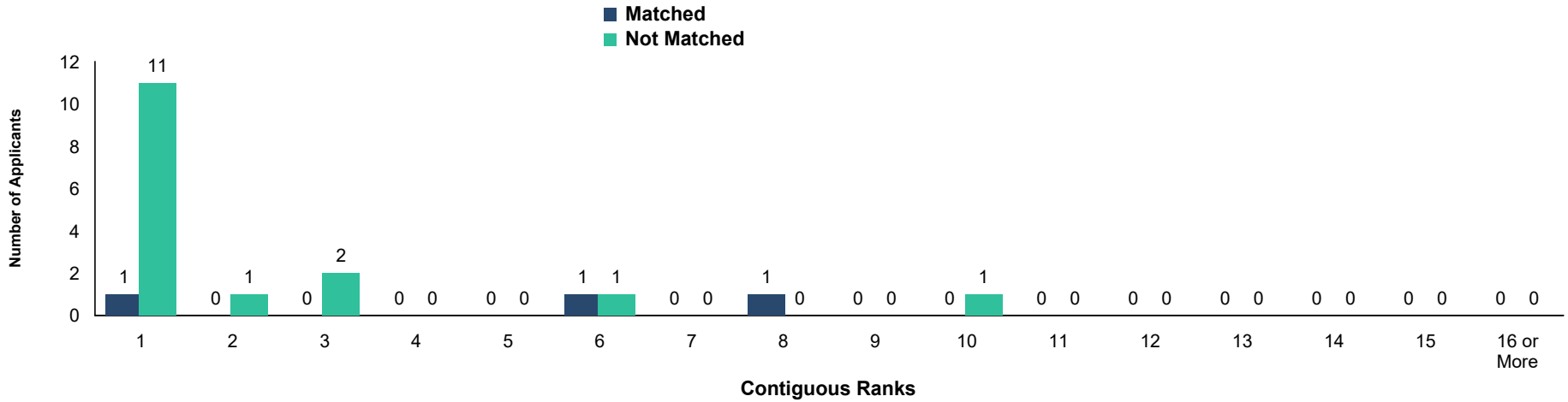
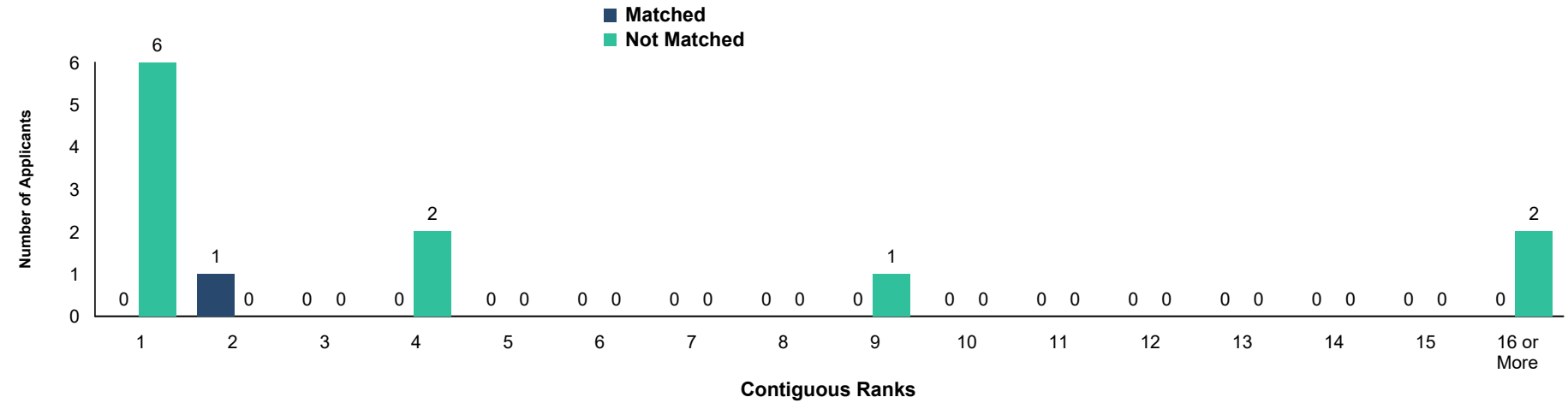
Chart ORS-2 Number of Contiguous Ranks of International Medical Graduates Orthopaedic Surgery

U.S. IMGs



Non-U.S. IMGs



Source: NRMP Data Warehouse

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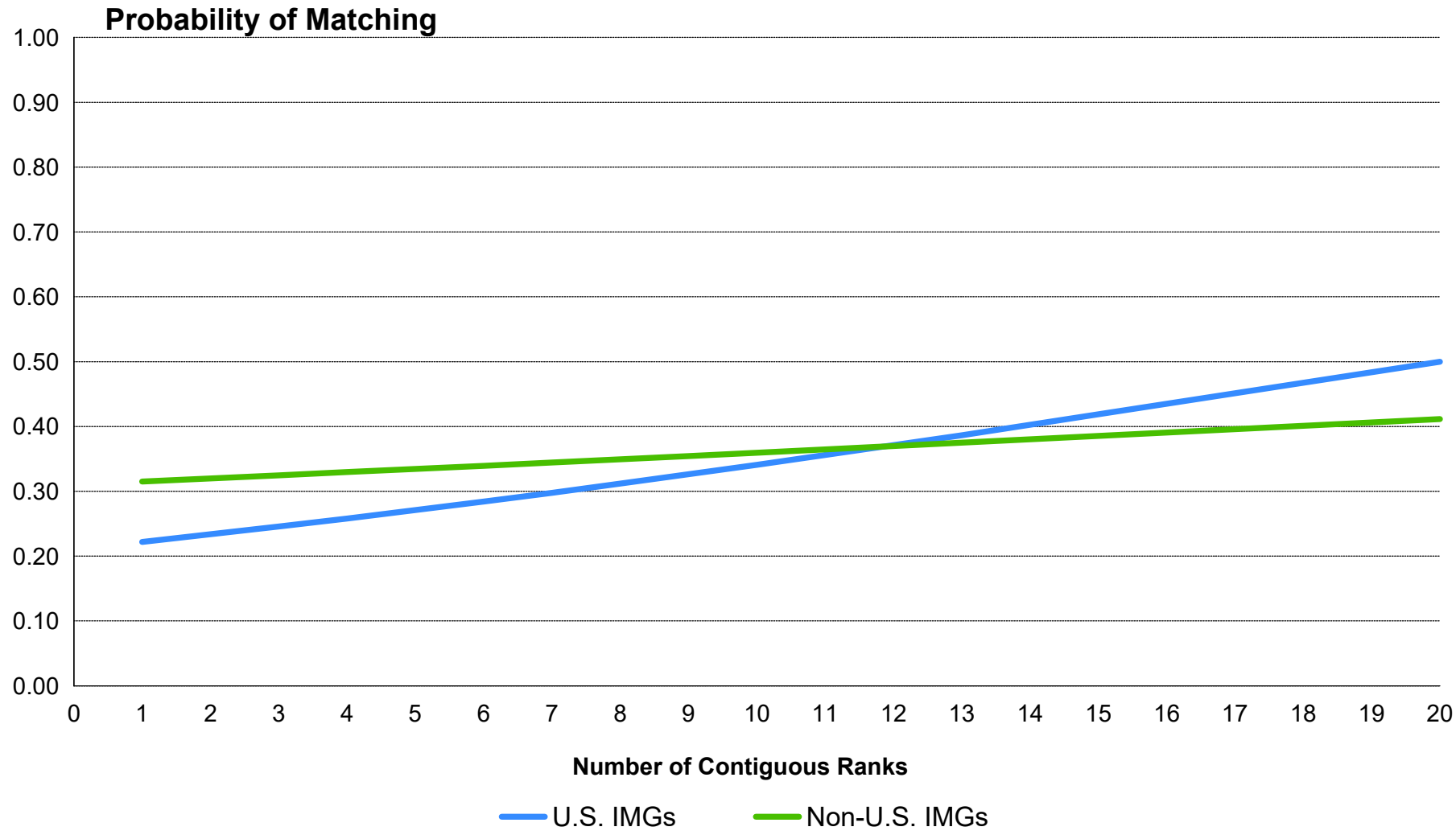
Graph ORS-1

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 2022-2024 applicants

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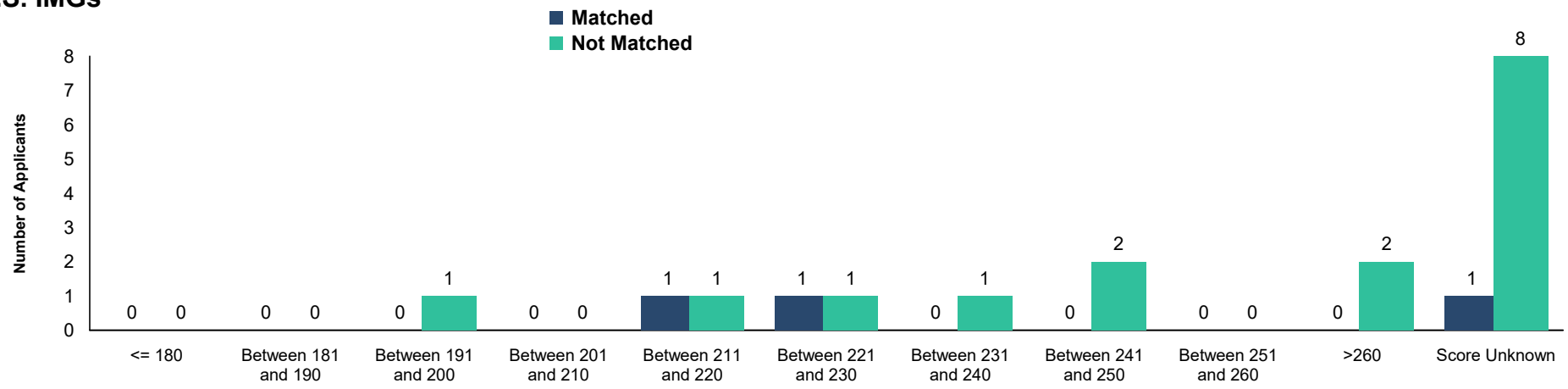
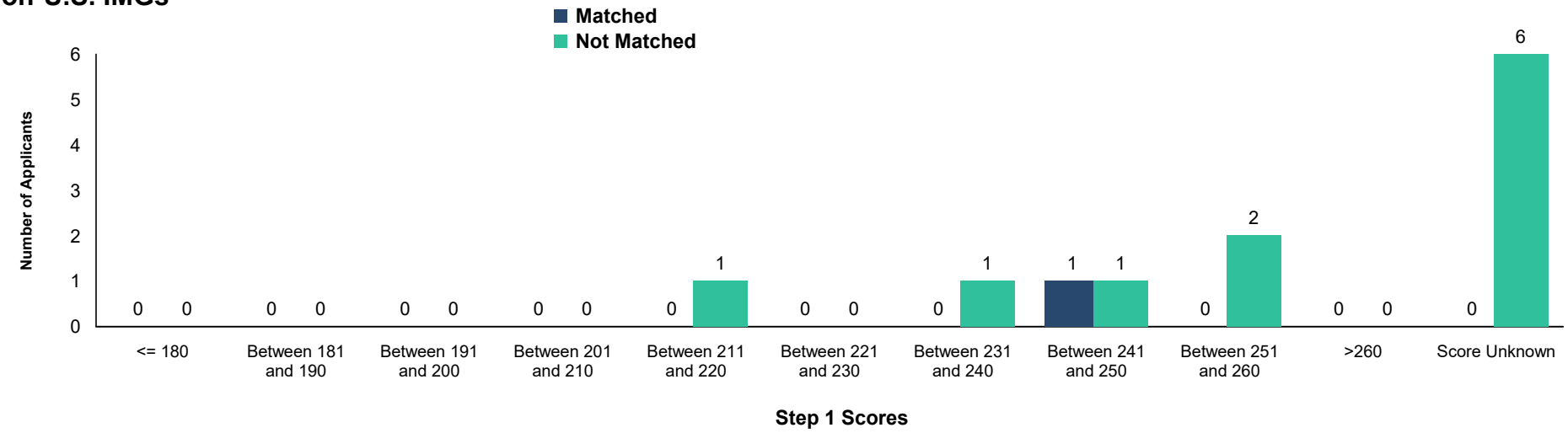
Chart ORS-3 USMLE Step 1 Scores of International Medical Graduates

Orthopaedic Surgery

U.S. IMGs



Non-U.S. IMGs



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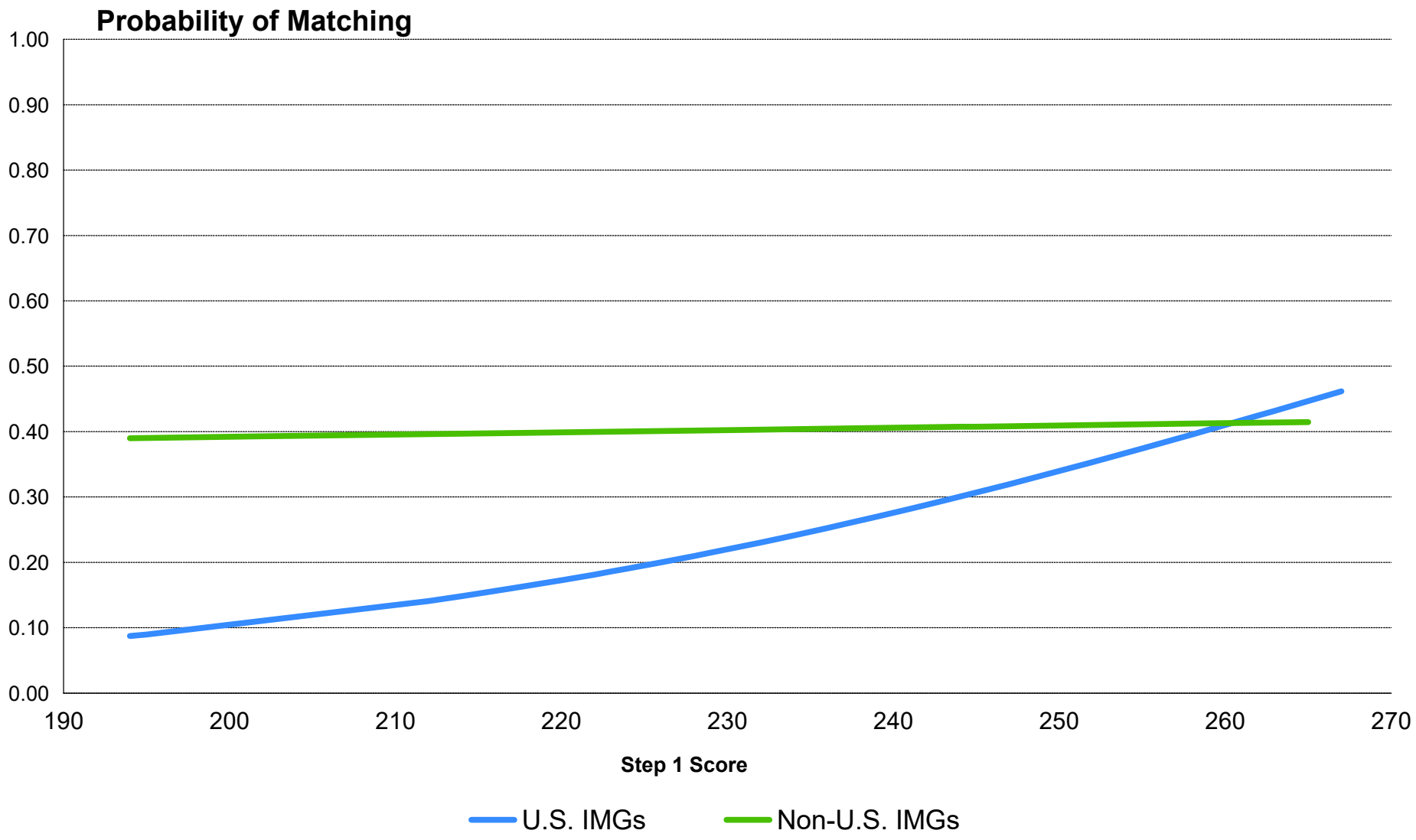
Graph ORS-2

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 2022-2024 applicants.

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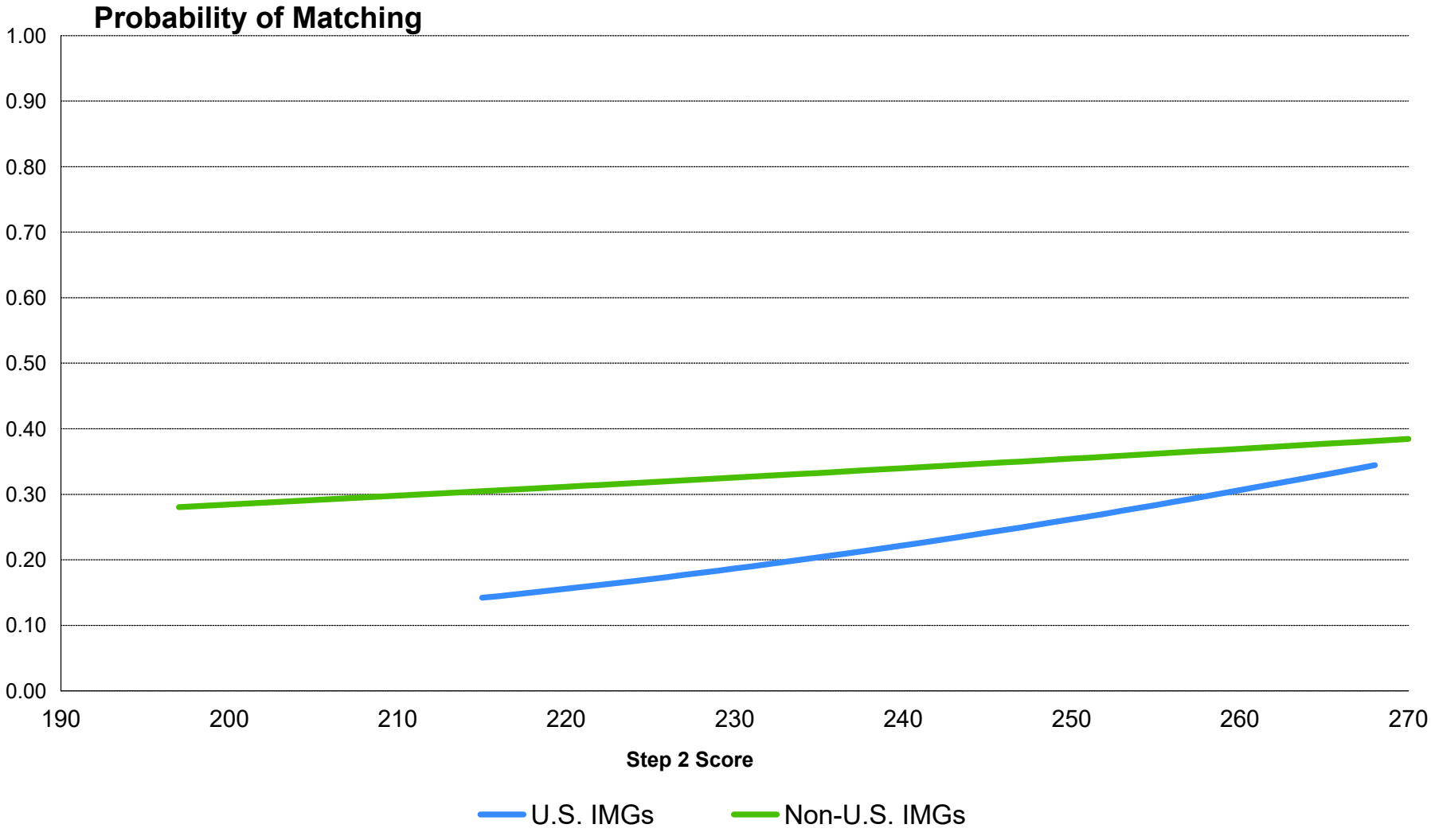
Graph ORS-3

Probability of International Medical Graduates Matching to Preferred Specialty by USMLE Step 2 Score

Orthopaedic Surgery



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

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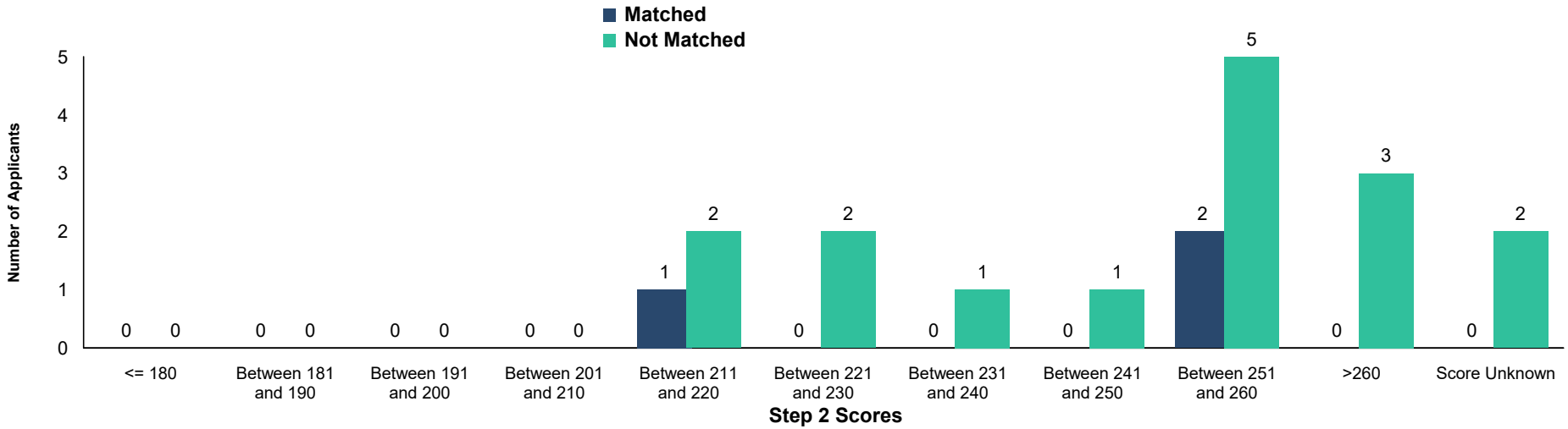
Chart ORS-4

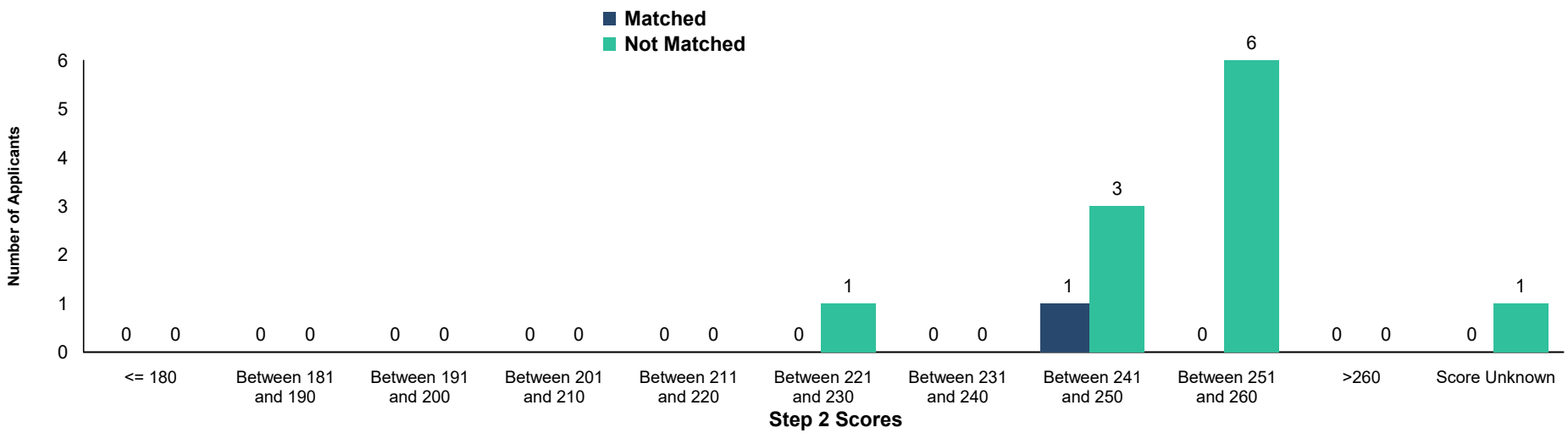
USMLE Step 2 CK Scores of International Medical Graduates

Orthopaedic Surgery

U.S. IMGs



Non-U.S. IMGs



Source: NRMP Data Warehouse

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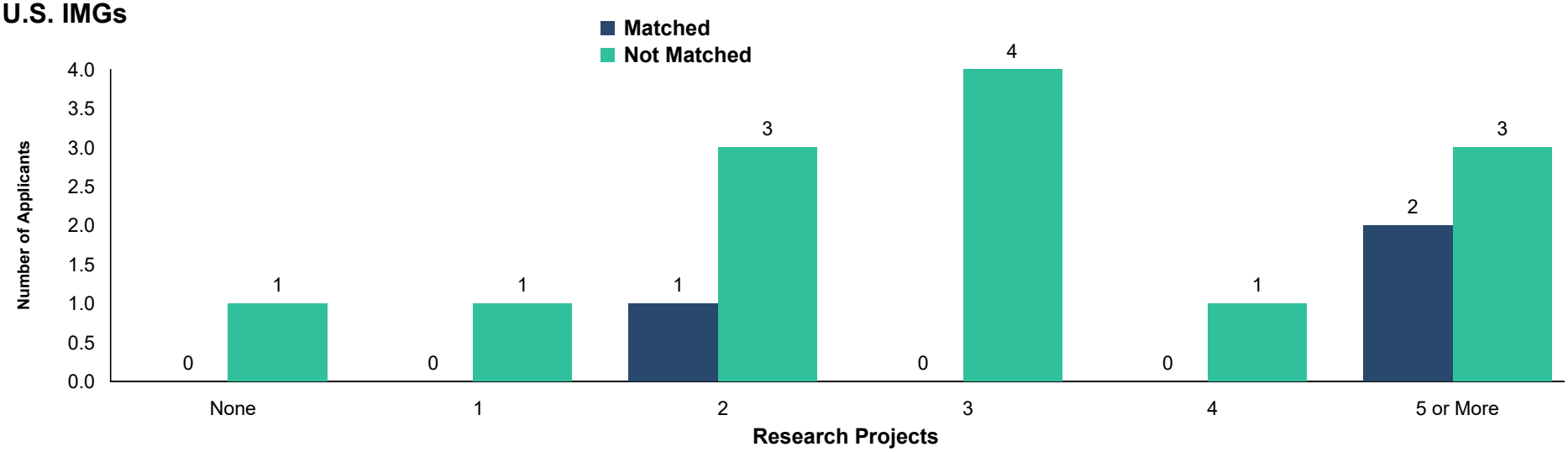
Chart ORS-5

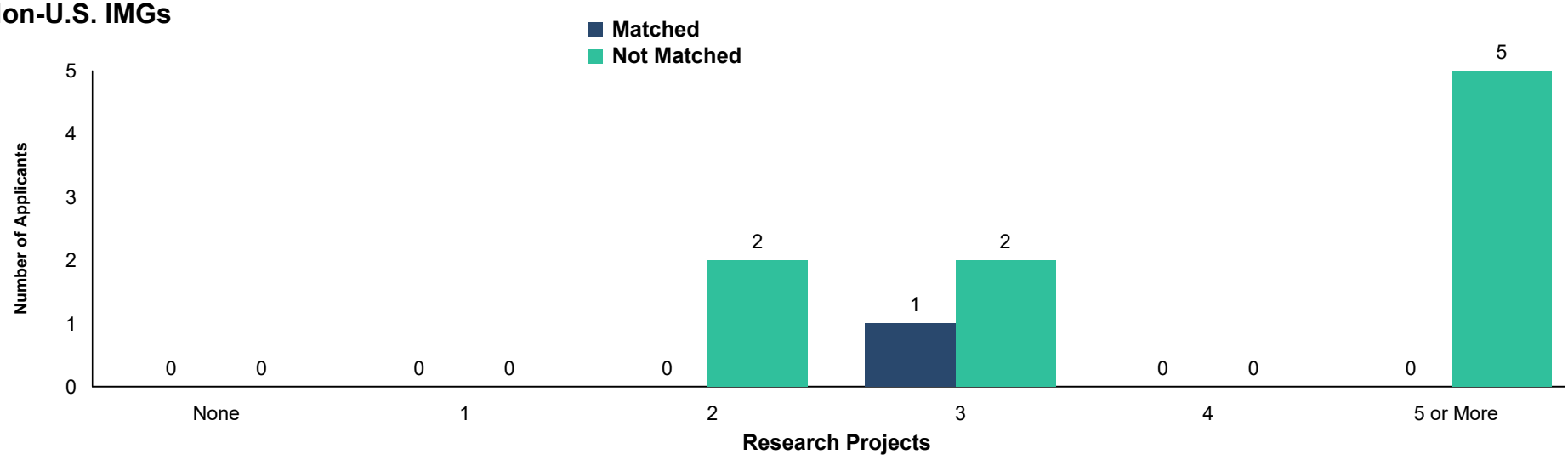
Number of Research Projects of International Medical Graduates

Orthopaedic Surgery

U.S. IMGs



Non-U.S. IMGs



Source: NRMP Data Warehouse

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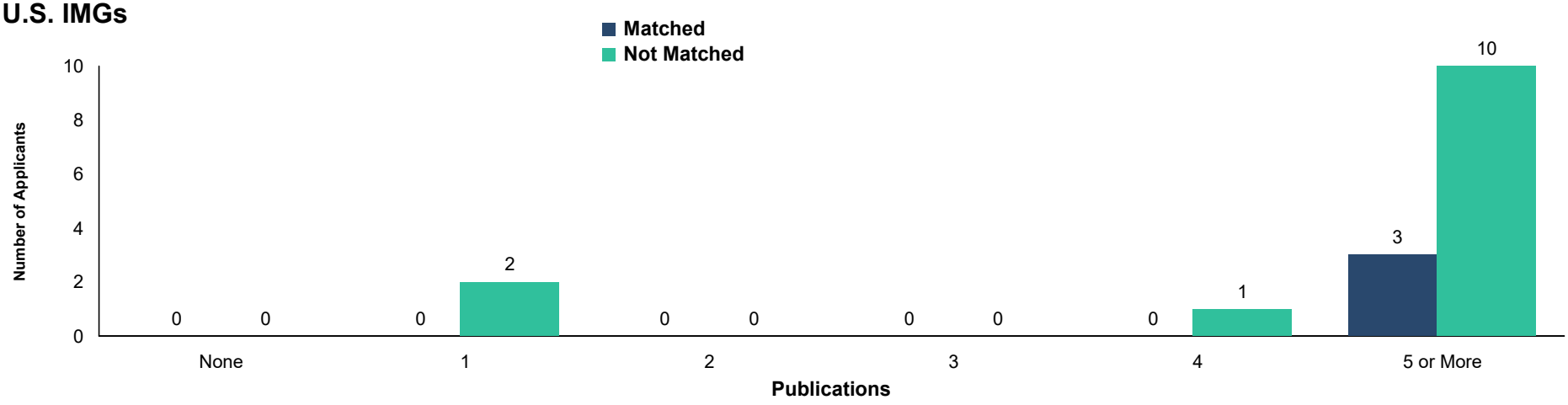
Chart ORS-6

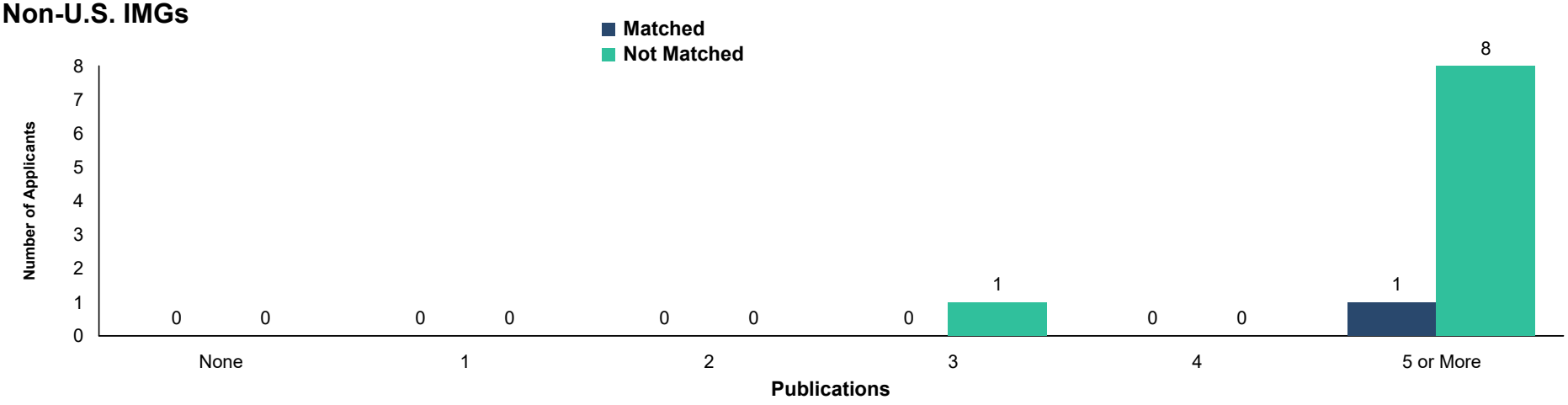
Number of Abstracts, Presentations, and Publications of International Medical Graduates

Orthopaedic Surgery

U.S. IMGs



Non-U.S. IMGs



Source: NRMP Data Warehouse

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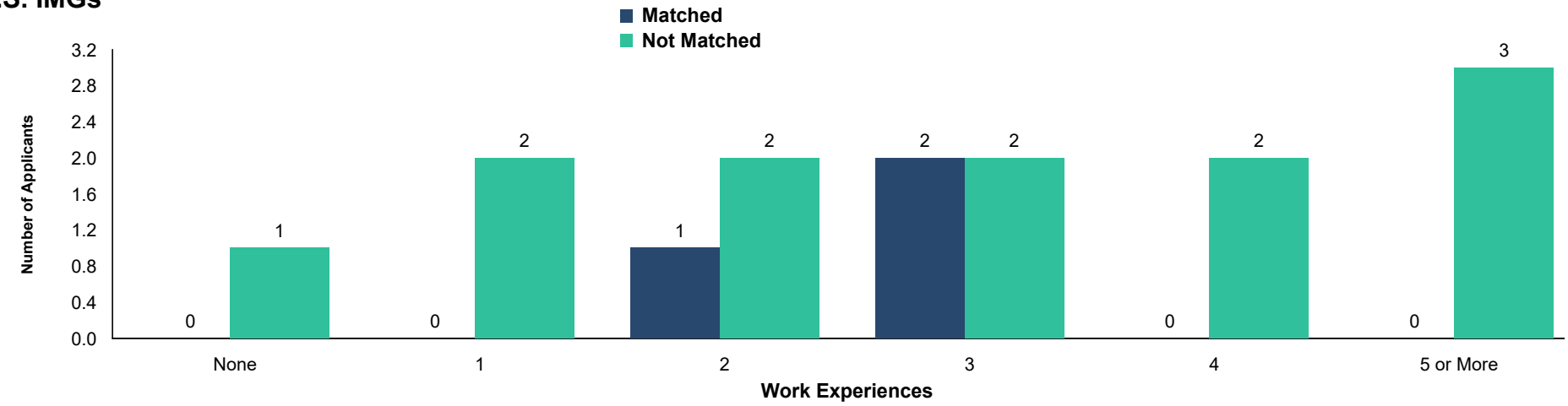
Chart ORS-7

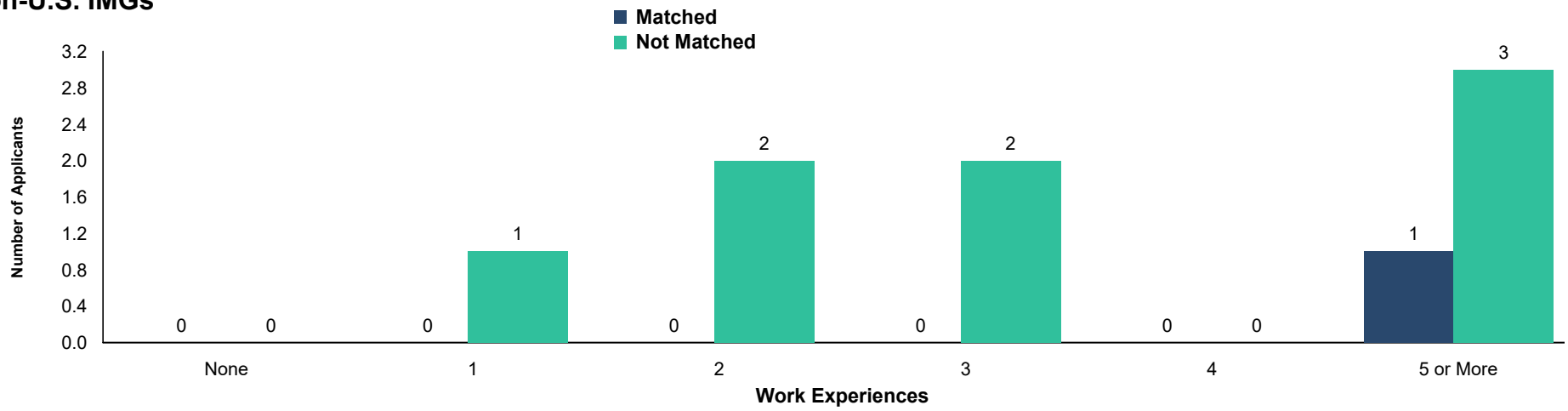
Number of Work Experiences of International Medical Graduates

Orthopaedic Surgery

U.S. IMGs



Non-U.S. IMGs



Source: NRMP Data Warehouse

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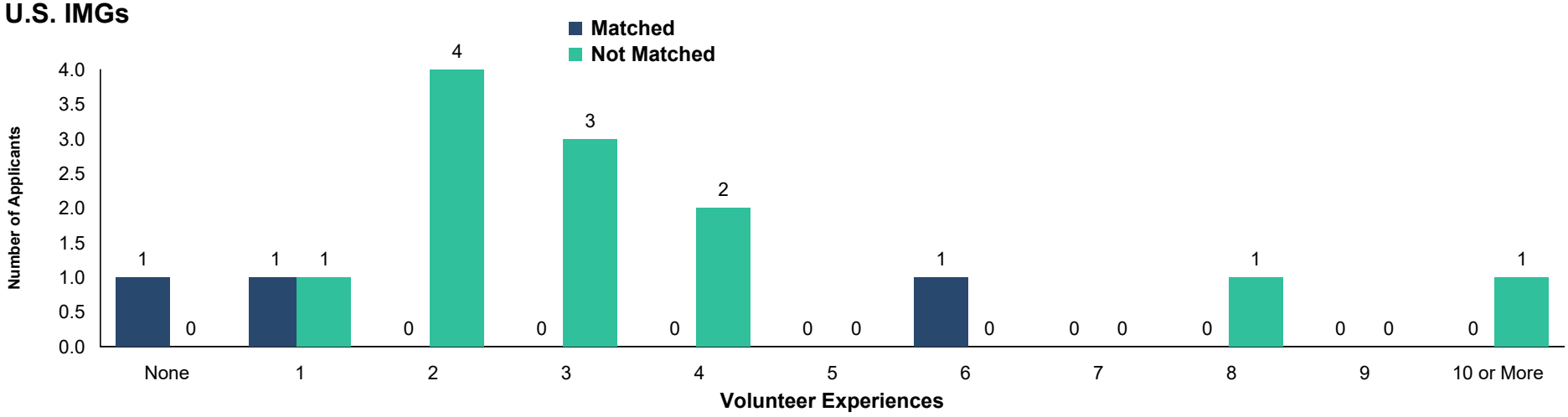
Chart ORS-8

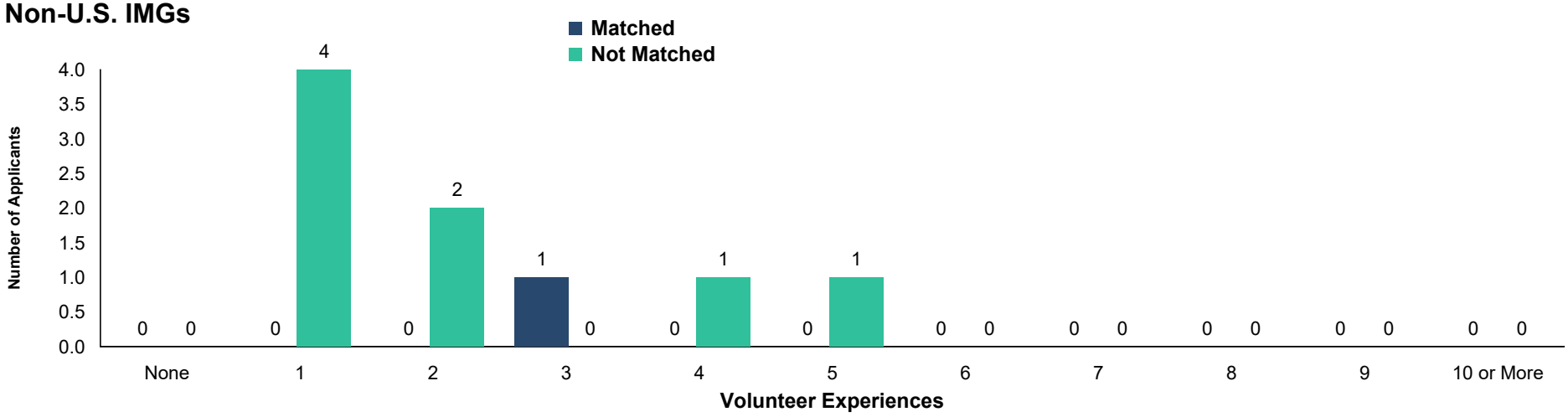
Number of Volunteer Experiences of International Medical Graduates

Orthopaedic Surgery

U.S. IMGs



Non-U.S. IMGs



Source: NRMP Data Warehouse

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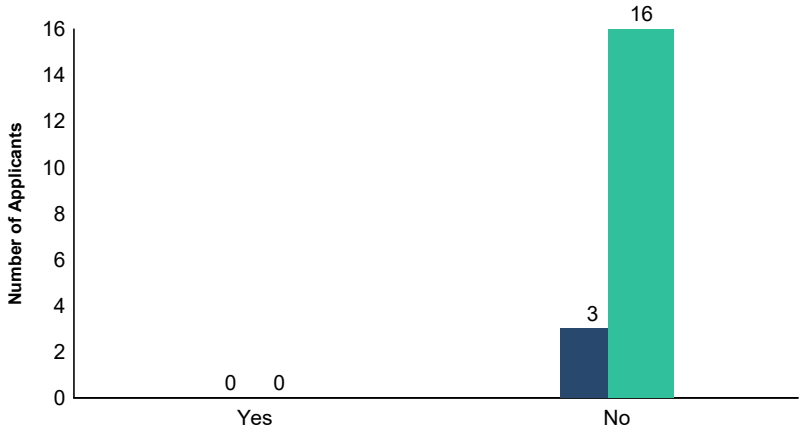
Chart ORS-9 Other Characteristics of International Medical Graduates

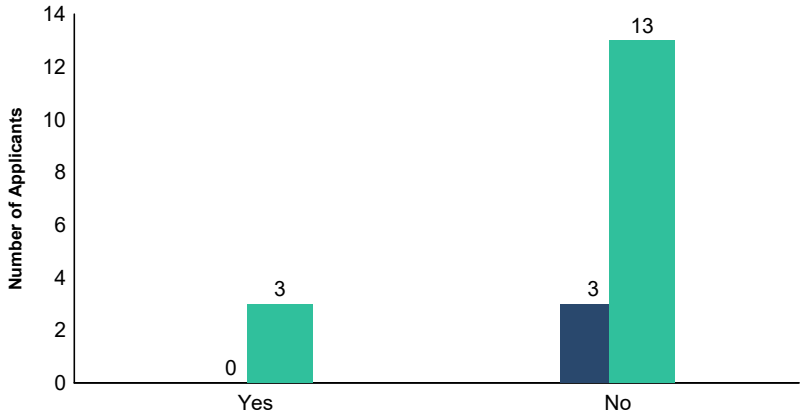
Orthopaedic Surgery

U.S. IMGs

Ph.D. Degree

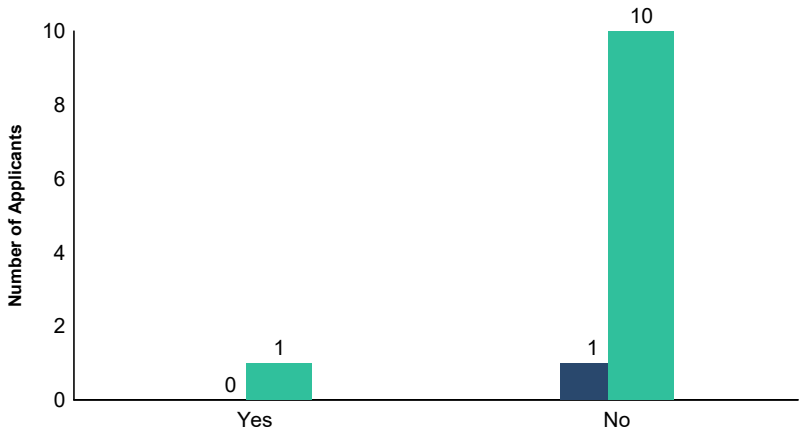


Other Graduate Degree

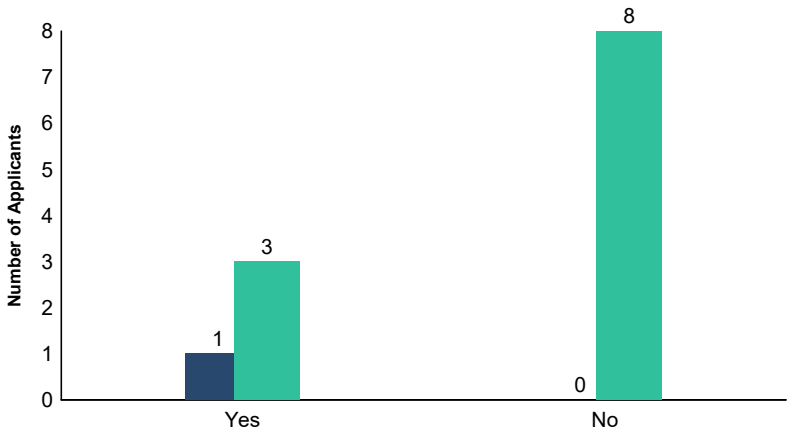


Non-U.S. IMGs

Ph.D. Degree



Other Graduate Degree



Source: NRMP Data Warehouse

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PTH Pathology

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Table PTH-1 Summary Statistics
Pathology

Measure	U.S. IMGs		Non-U.S. IMGs	
	Matched (n=47)	Unmatched (n=58)	Matched (n=140)	Unmatched (n=161)
1. Mean number of contiguous ranks	8.6	3.5	8.0	3.4
2. Mean number of distinct specialties ranked	1.1	1.2	1.0	1.1
3. Mean USMLE Step 1 score*	222	219	232	226
4. Mean USMLE Step 2 score	235	229	240	235
5. Mean number of research experiences	2.3	2.8	2.7	2.5
6. Mean number of abstracts, presentations, and publications	10.1	8.2	12.1	7.1
7. Mean number of work experiences	3.3	3.6	3.7	4.3
8. Mean number of volunteer experiences	2.6	2.7	2.2	2.7
9. Percentage who have a Ph.D. degree	11.1	12.7	9.8	7.4
10. Percentage who have another graduate degree	31.8	27.3	31.1	32.0

Note: * Only applicants who gave consent to use their information in research are included.
*Only applicants who indicated completion of the USMLE Step 1 exam prior to the transition to pass/fail (i.e., prior to January 26, 2022) had the option to self-report their Step 1 numeric score. In 2024, 6,845 IMGs (2,248 U.S. IMGs and 4,597 non-U.S. IMGs) self-reported Step 1 numeric scores.
Source. NRMP Data Warehouse

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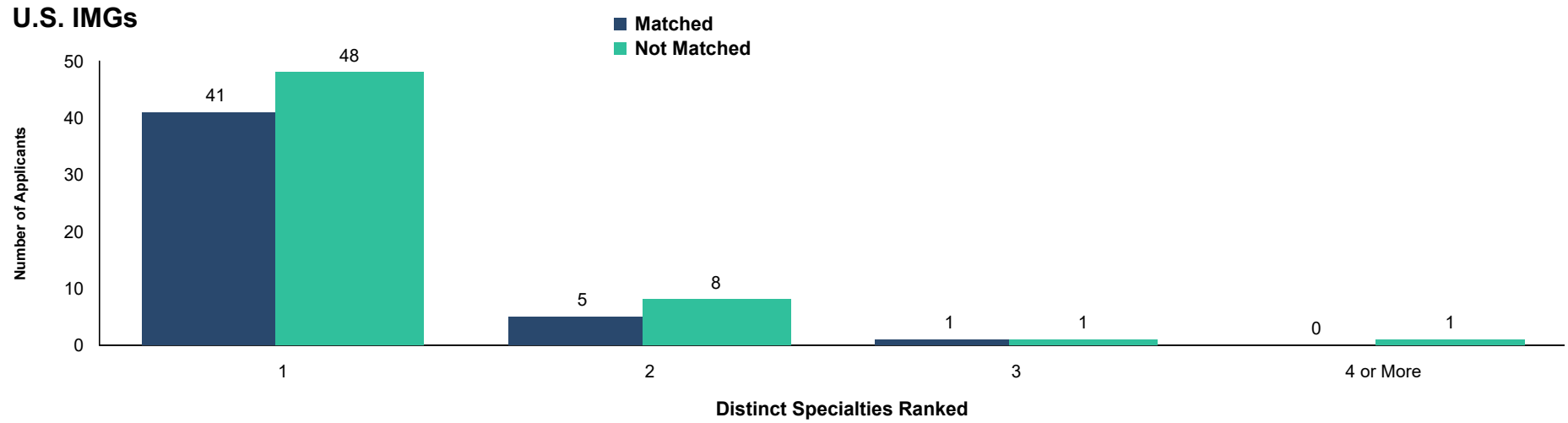
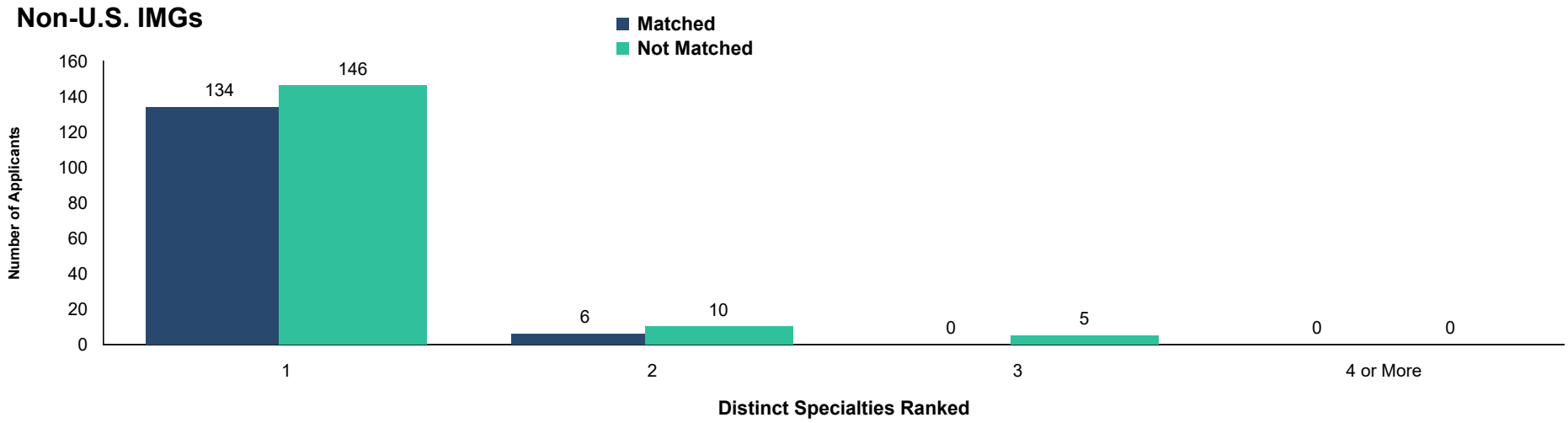
Chart PTH-1 Number of Distinct Specialties Ranked by International Medical Graduates Pathology





Source: NRMP Data Warehouse

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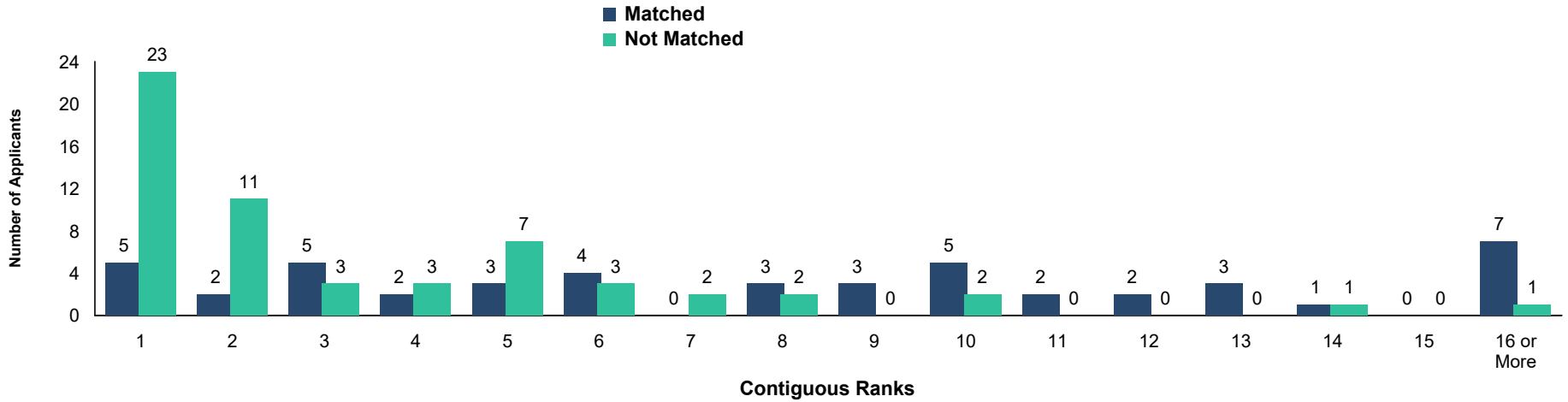
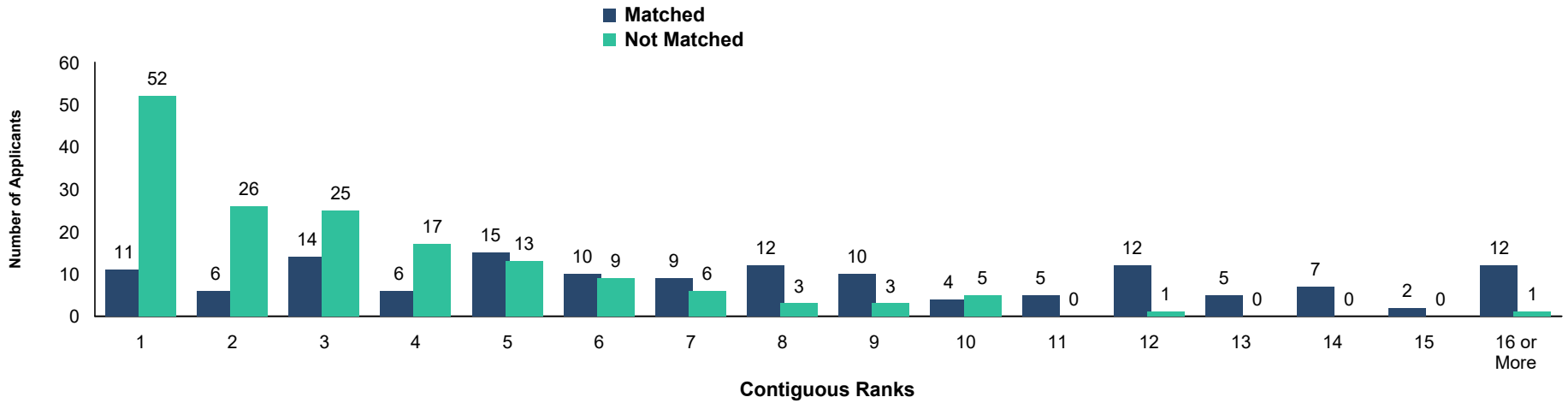
Chart PTH-2 Number of Contiguous Ranks of International Medical Graduates Pathology

U.S. IMGs



Non-U.S. IMGs



Source: NRMP Data Warehouse

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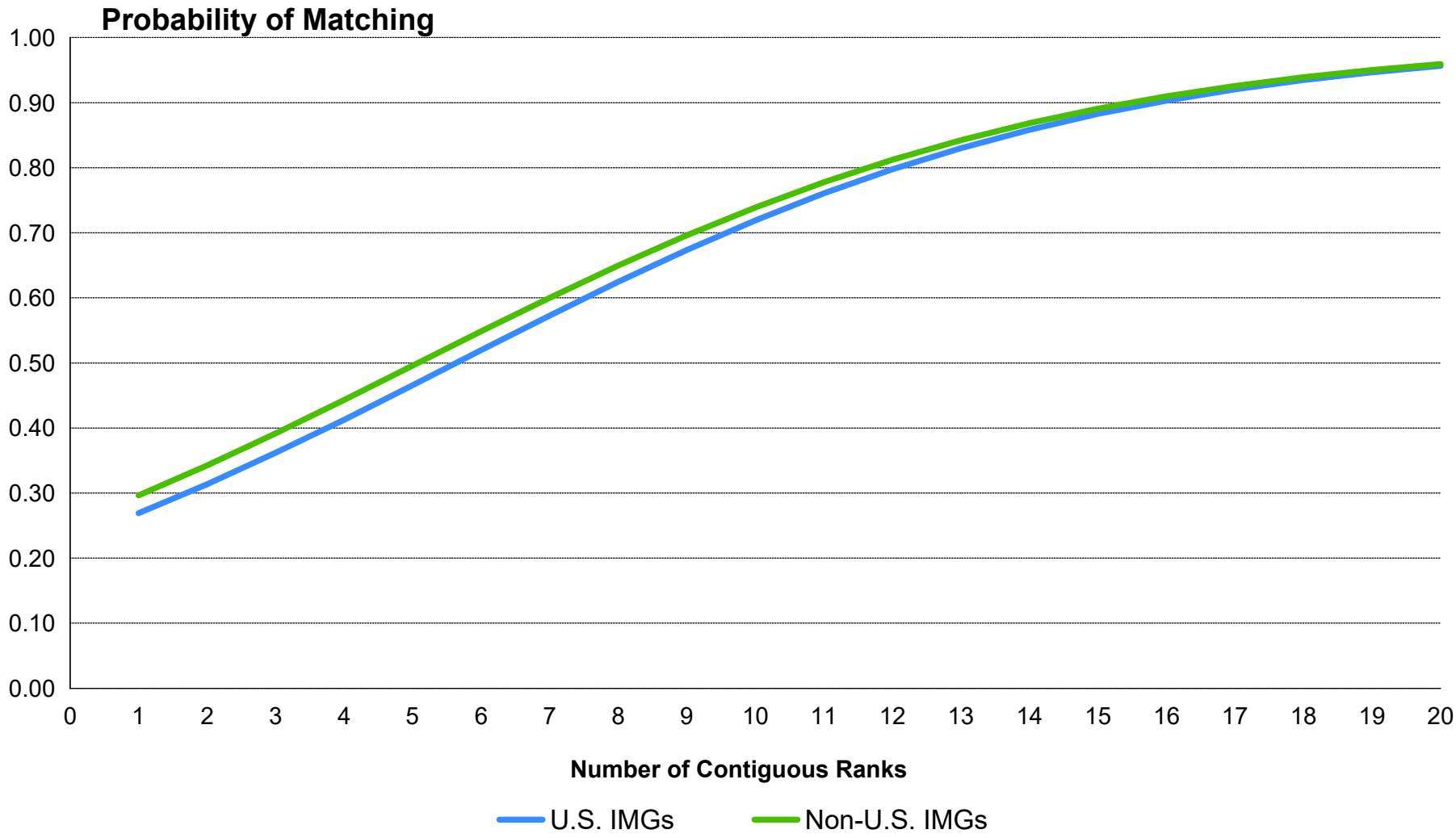
Graph PTH-1

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

Pathology



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

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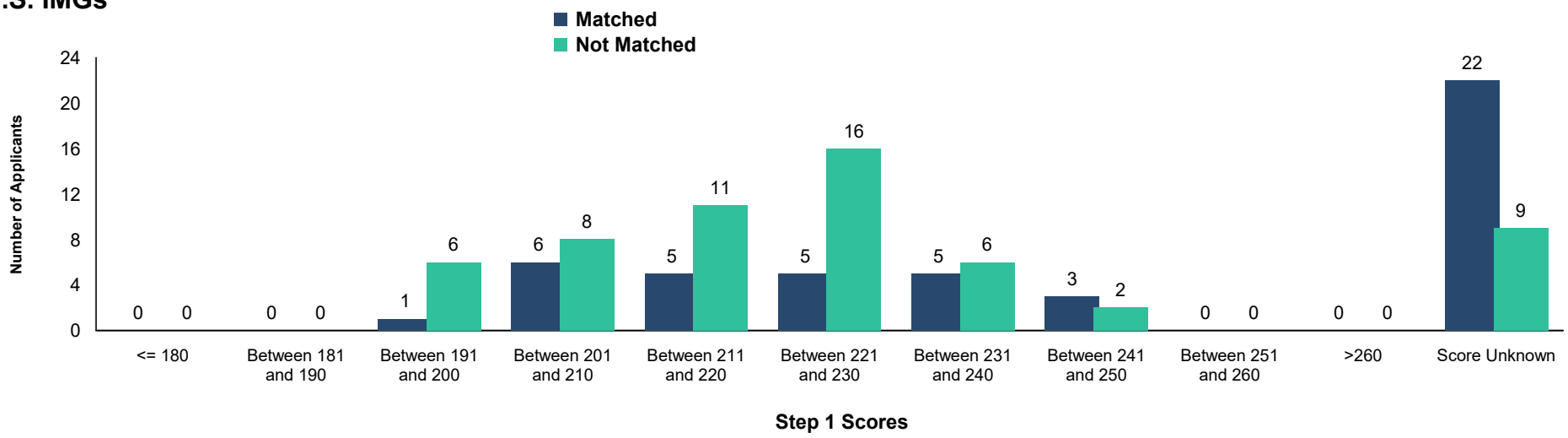
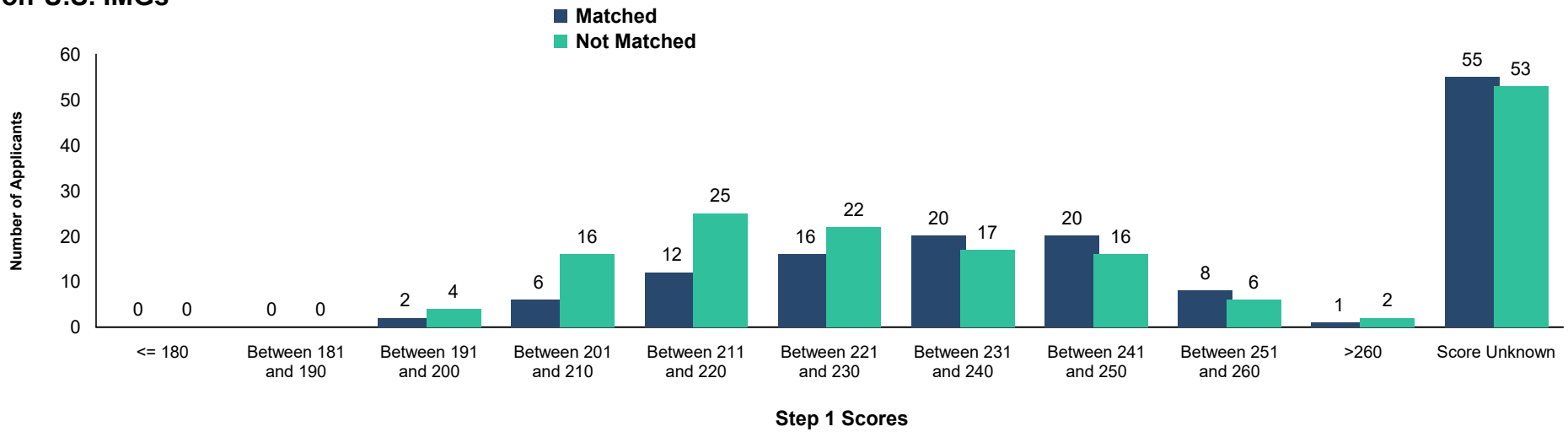
Chart PTH-3 USMLE Step 1 Scores of International Medical Graduates

Pathology

U.S. IMGs



Non-U.S. IMGs



Source: NRMP Data Warehouse

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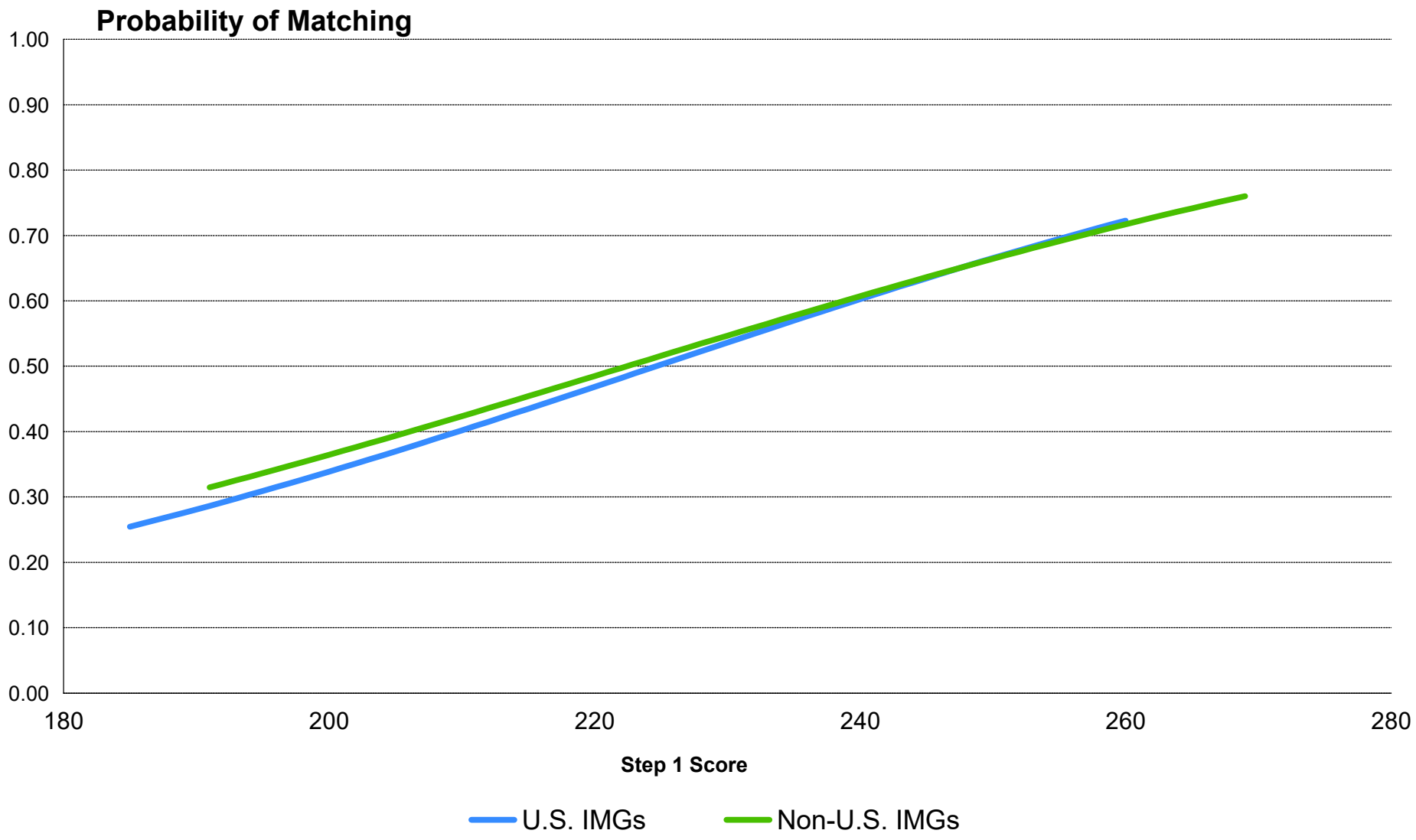
Graph PTH-2

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

Pathology



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

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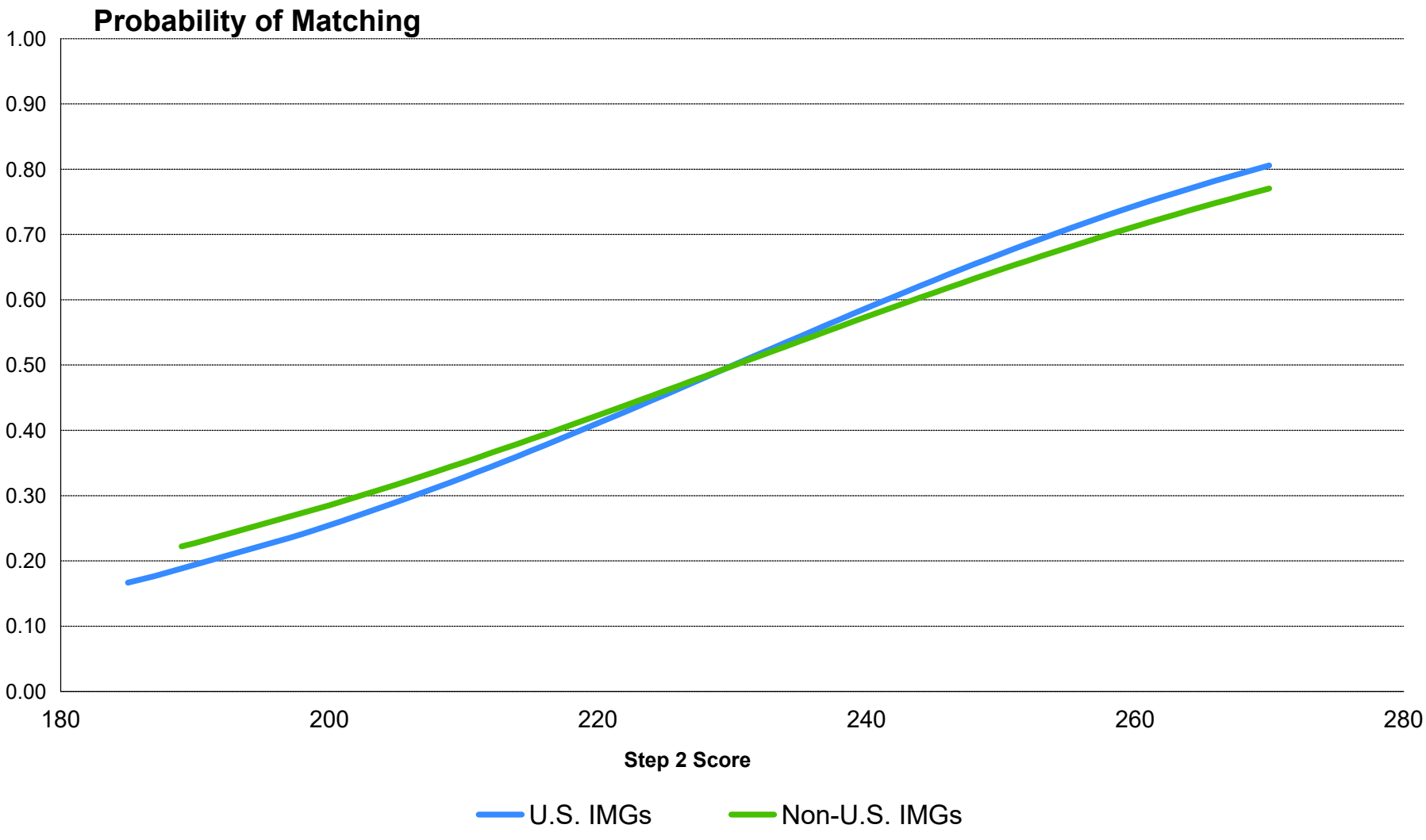
Graph PTH-3

Probability of International Medical Graduates Matching to Preferred Specialty by USMLE Step 2 Score

Pathology



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

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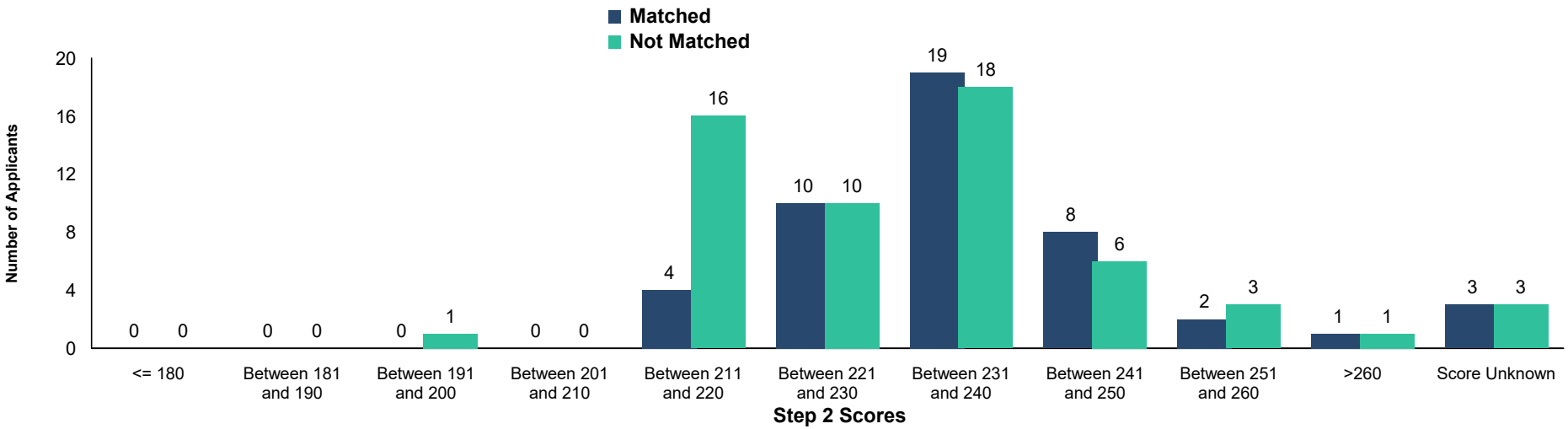
Chart PTH-4

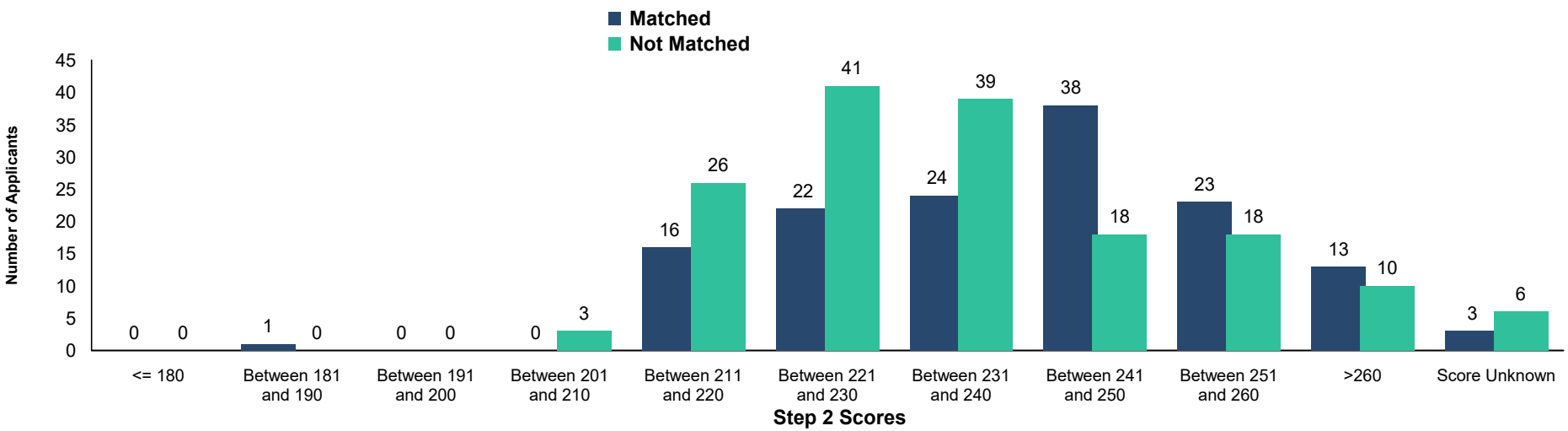
USMLE Step 2 CK Scores of International Medical Graduates

Pathology

U.S. IMGs



Non-U.S. IMGs



Source: NRMP Data Warehouse

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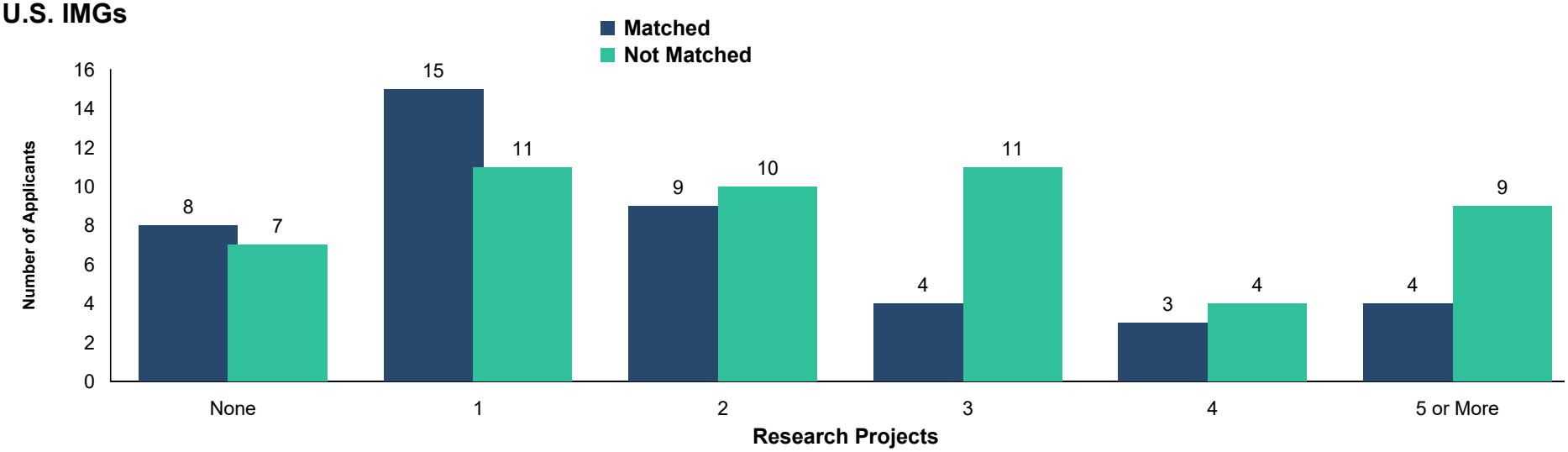
Chart PTH-5

Number of Research Projects of International Medical Graduates

Pathology

U.S. IMGs



Non-U.S. IMGs

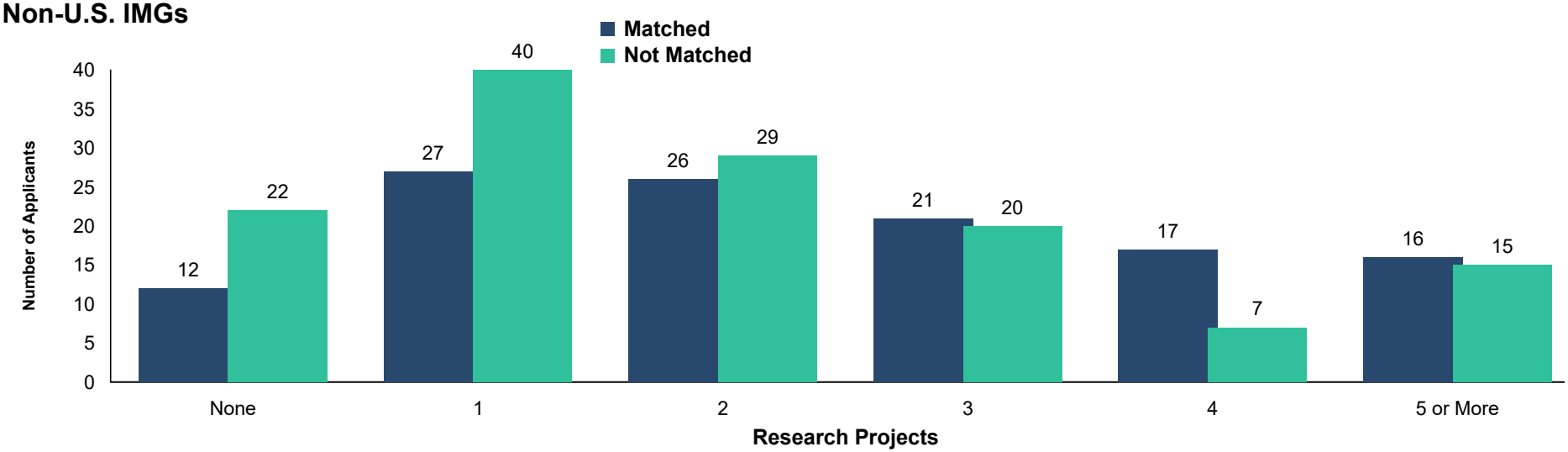


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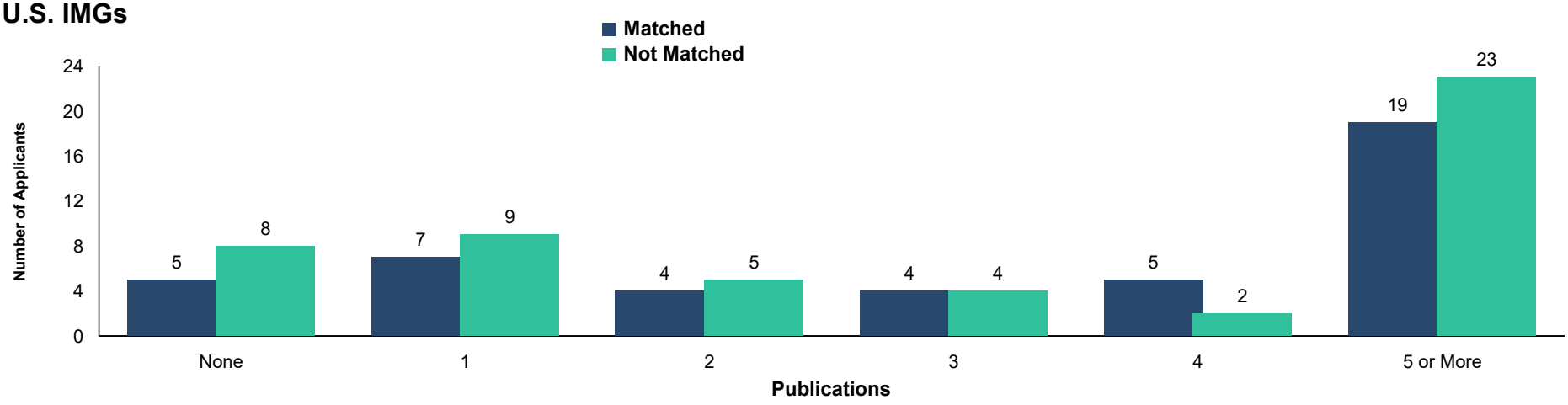
Chart PTH-6

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

Pathology

U.S. IMGs



Non-U.S. IMGs

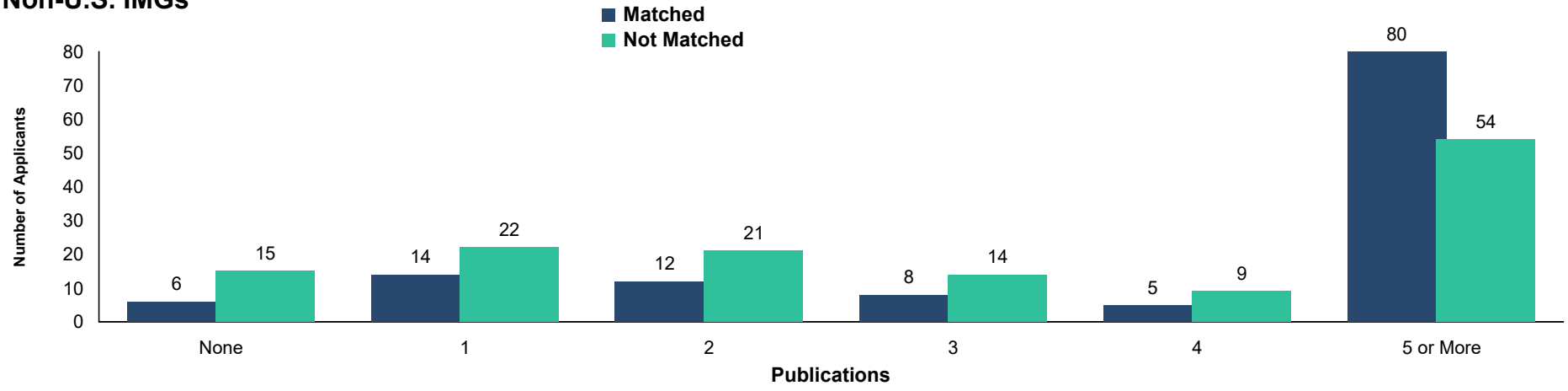


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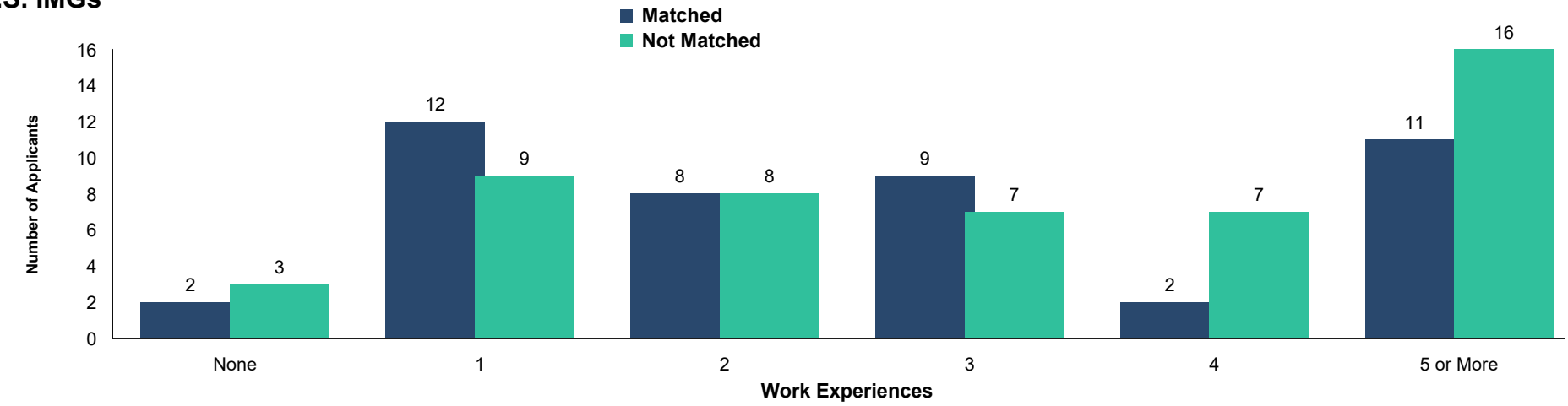
Chart PTH-7

Number of Work Experiences of International Medical Graduates

Pathology

U.S. IMGs



Non-U.S. IMGs

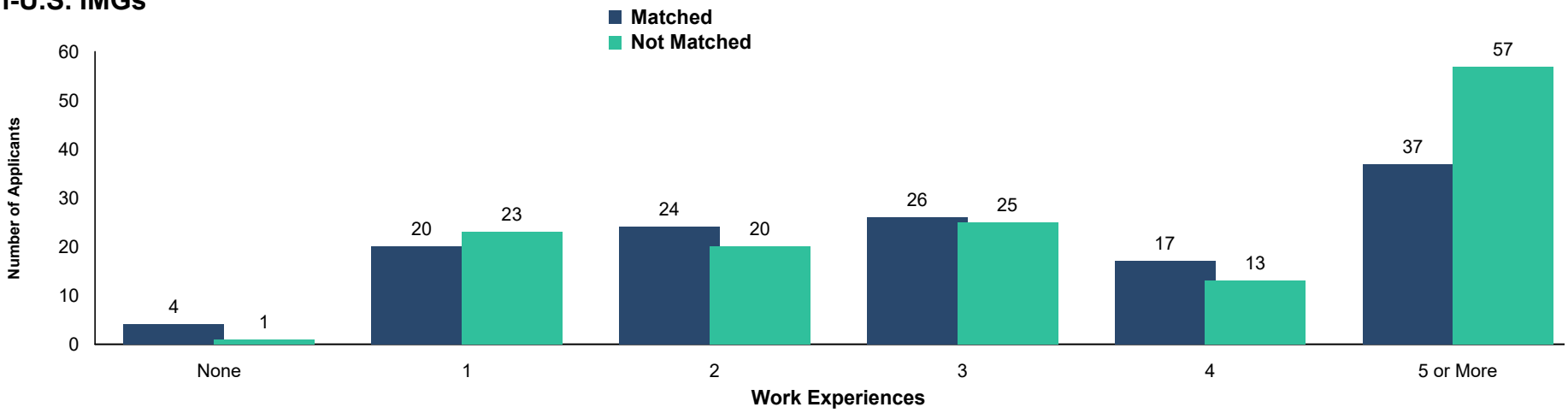


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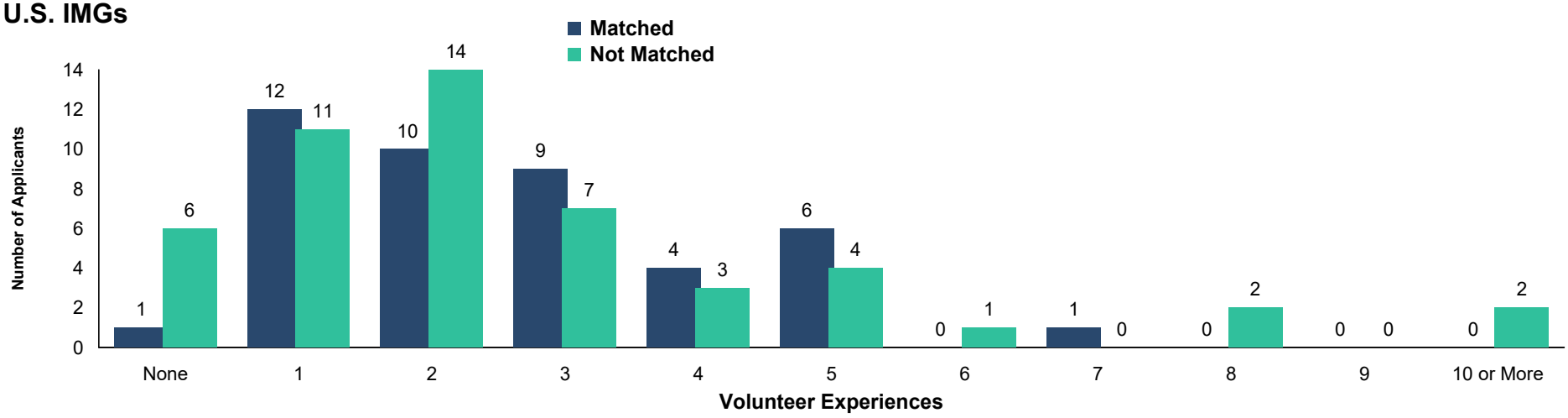
Chart PTH-8

Number of Volunteer Experiences of International Medical Graduates

Pathology

U.S. IMGs



Non-U.S. IMGs

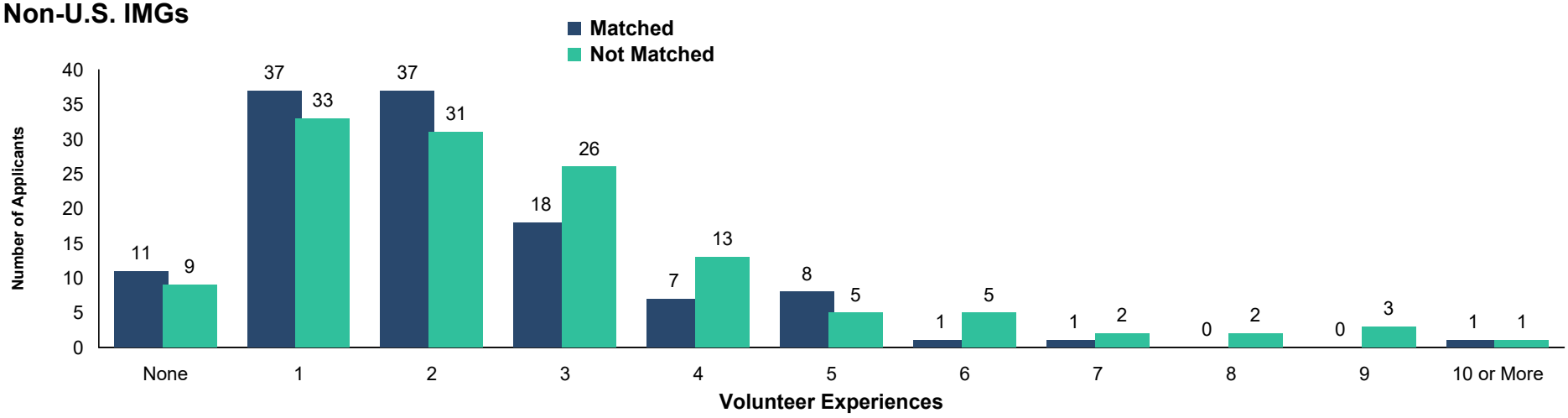


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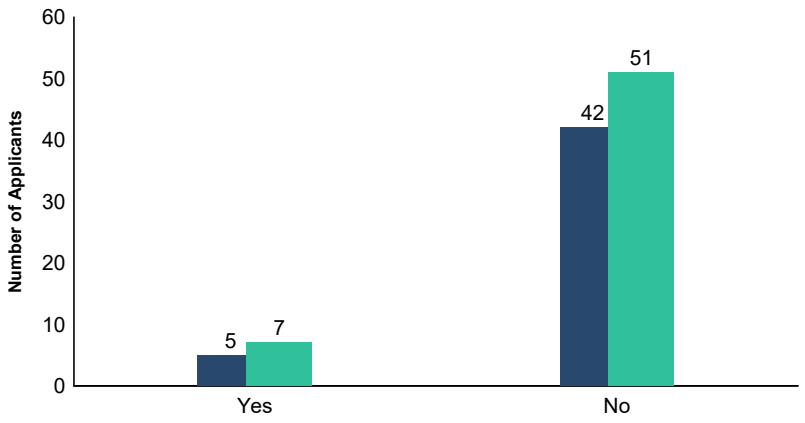
Chart PTH-9 Other Characteristics of International Medical Graduates

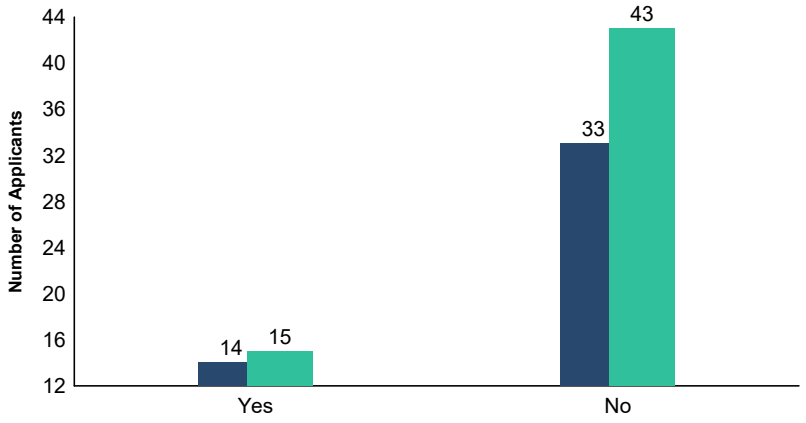
Pathology

U.S. IMGs

Ph.D. Degree

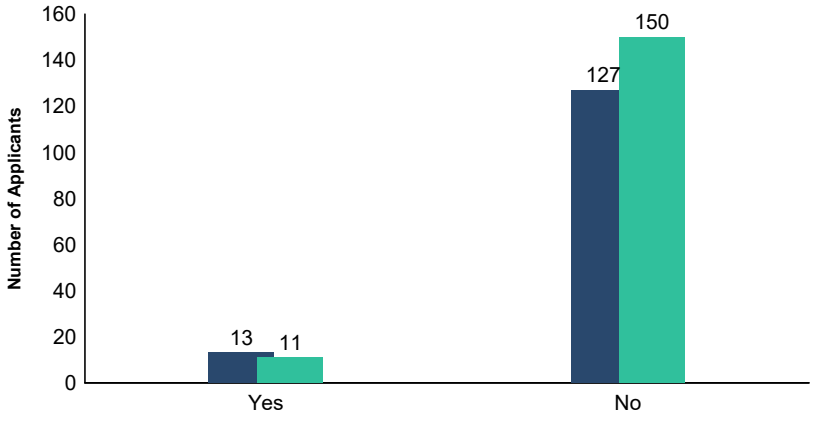


Other Graduate Degree

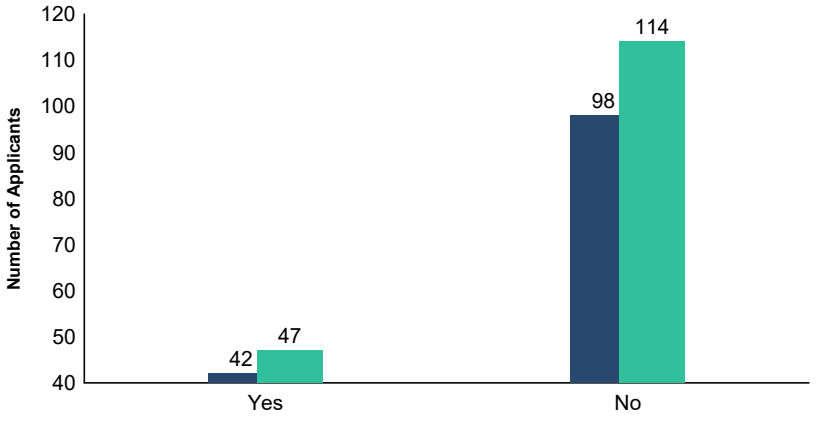


Non-U.S. IMGs

Ph.D. Degree



Other Graduate Degree



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PD Pediatrics

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Table PD-1 Summary Statistics
Pediatrics

Measure	U.S. IMGs		Non-U.S. IMGs	
	Matched (n=165)	Unmatched (n=30)	Matched (n=363)	Unmatched (n=104)
1. Mean number of contiguous ranks	11.1	1.7	6.3	1.8
2. Mean number of distinct specialties ranked	1.2	1.3	1.2	1.3
3. Mean USMLE Step 1 score*	212	206	226	216
4. Mean USMLE Step 2 score	233	225	240	230
5. Mean number of research experiences	1.7	3.2	2.4	2.0
6. Mean number of abstracts, presentations, and publications	2.5	3.3	5.1	4.6
7. Mean number of work experiences	2.9	4.9	3.5	4.5
8. Mean number of volunteer experiences	3.9	5.1	2.8	2.8
9. Percentage who have a Ph.D. degree	0.6	4.3	0.9	3.1
10. Percentage who have another graduate degree	20.4	30.8	18.5	22.0

Note: * Only applicants who gave consent to use their information in research are included.
*Only applicants who indicated completion of the USMLE Step 1 exam prior to the transition to pass/fail (i.e., prior to January 26, 2022) had the option to self-report their Step 1 numeric score. In 2024, 6,845 IMGs (2,248 U.S. IMGs and 4,597 non-U.S. IMGs) self-reported Step 1 numeric scores.
Source. NRMP Data Warehouse

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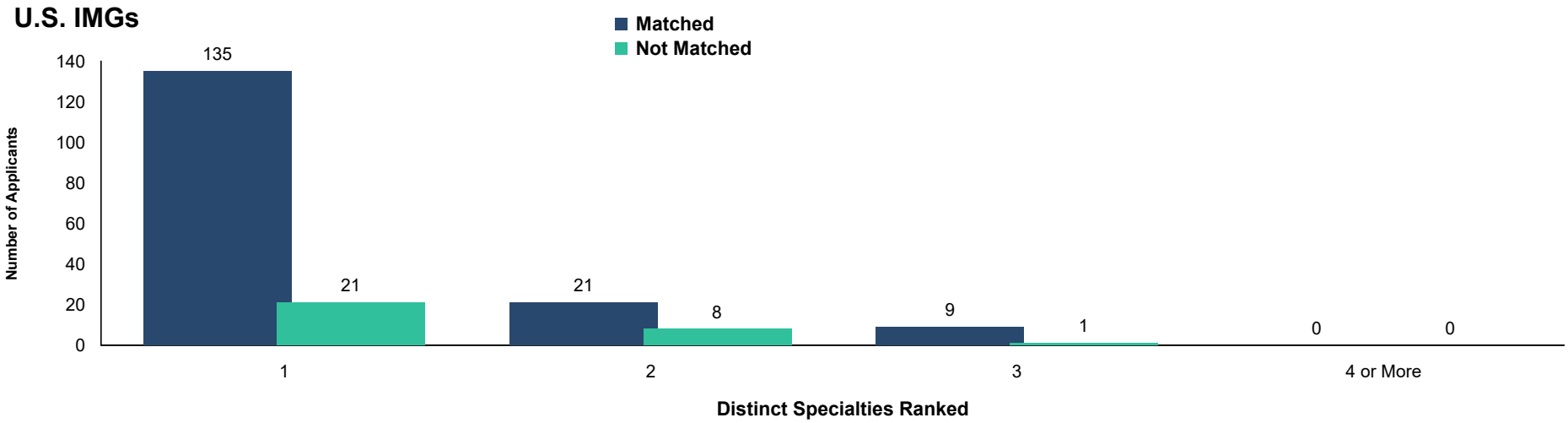
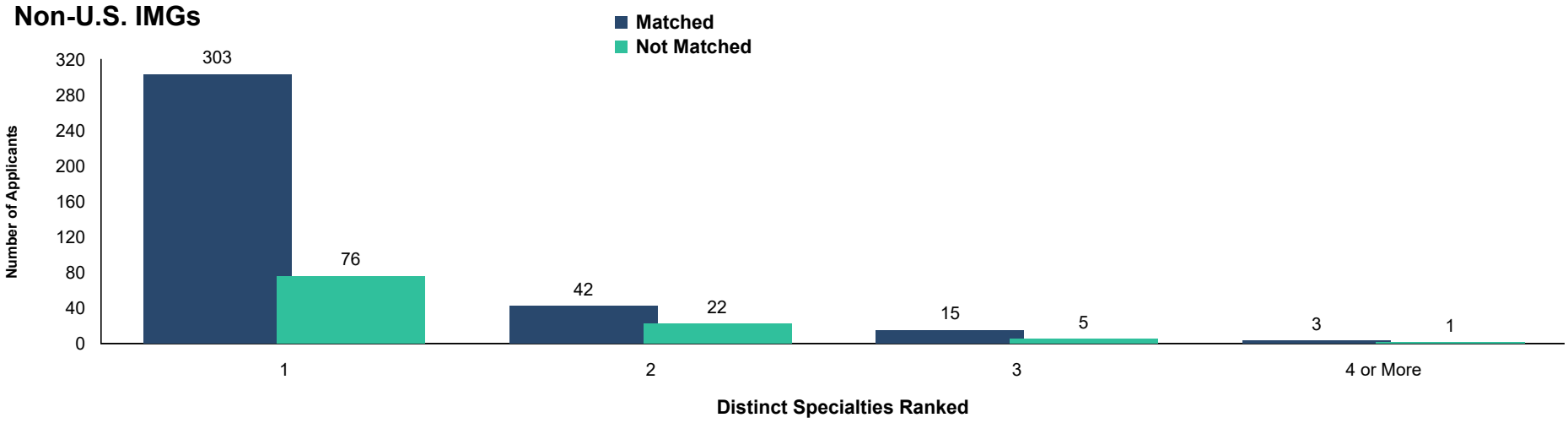
Chart PD-1

Number of Distinct Specialties Ranked by International Medical Graduates
Pediatrics





Source: NRMP Data Warehouse

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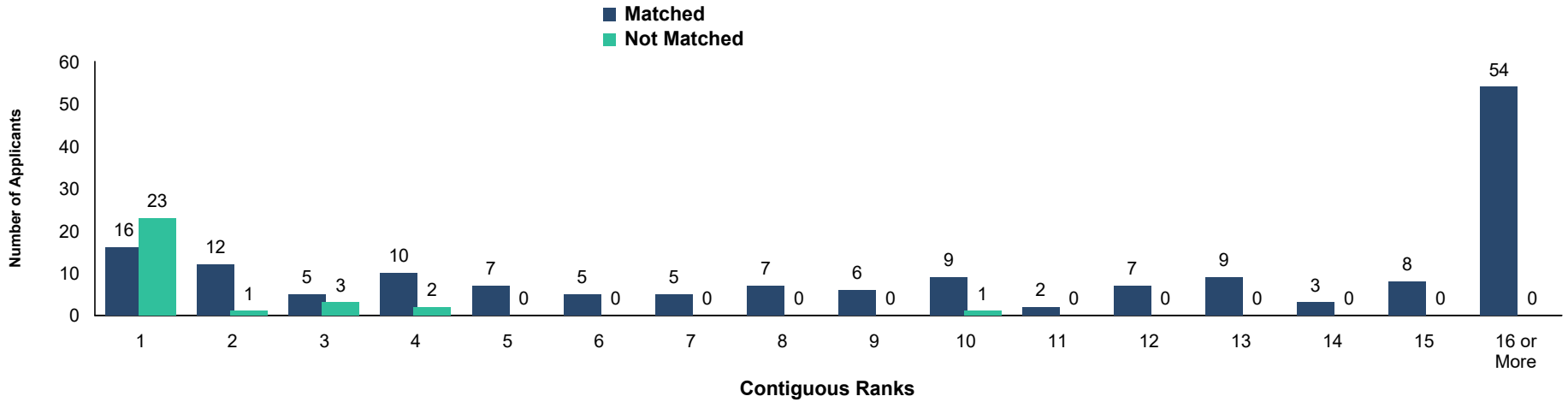
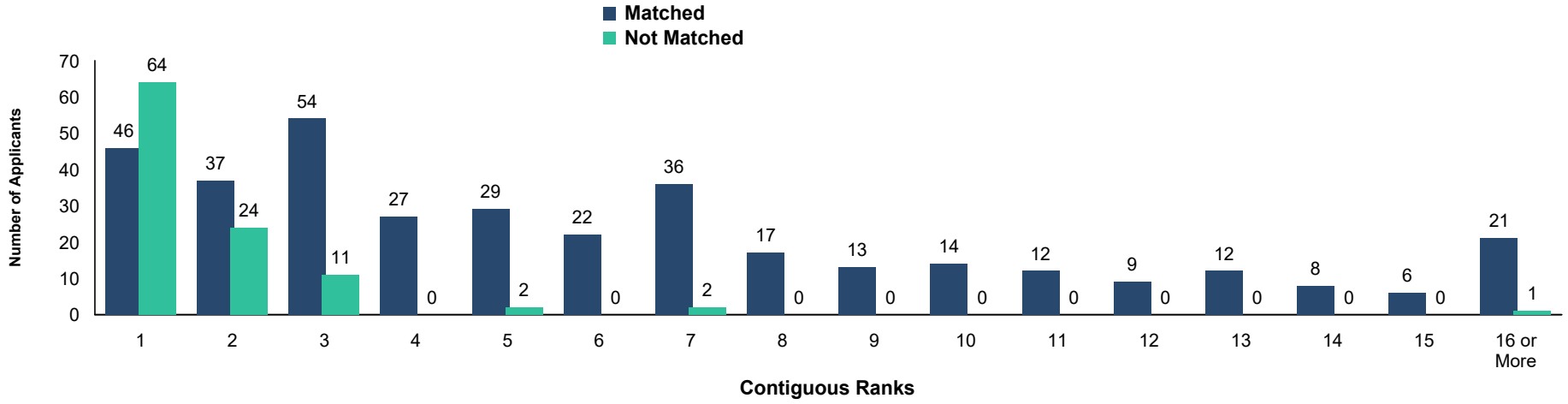
Chart PD-2 Number of Contiguous Ranks of International Medical Graduates Pediatrics

U.S. IMGs



Non-U.S. IMGs



Source: NRMP Data Warehouse

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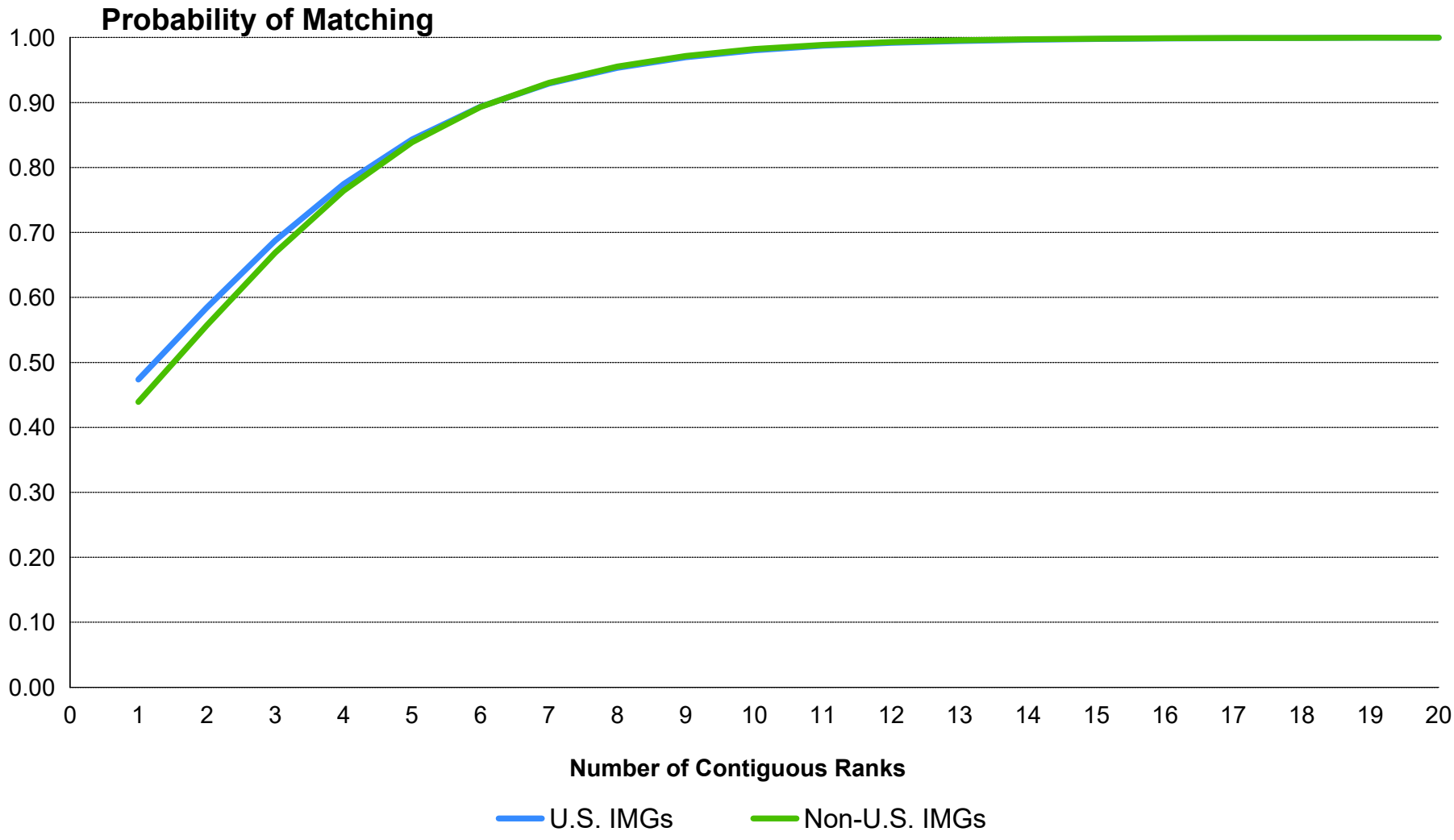
Graph PD-1

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

Pediatrics



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

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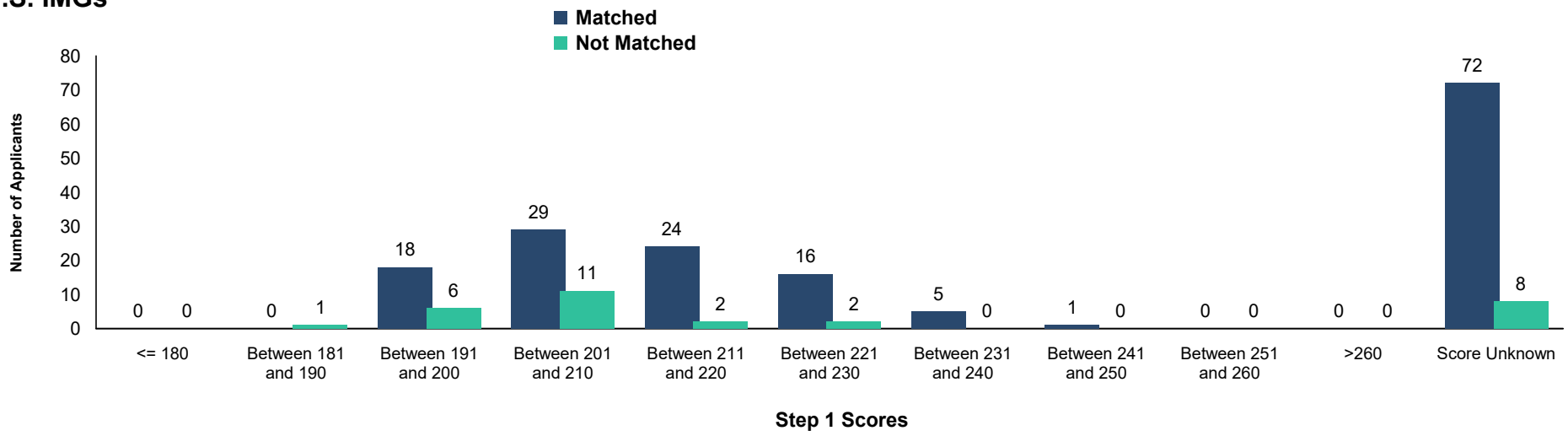
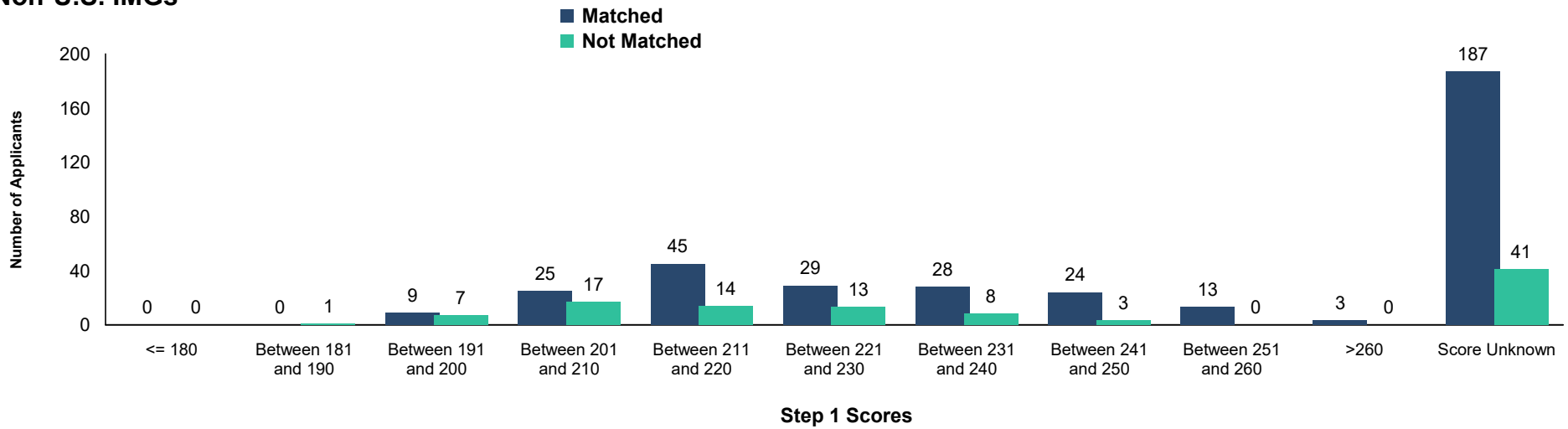
Chart PD-3 USMLE Step 1 Scores of International Medical Graduates

Pediatrics

U.S. IMGs



Non-U.S. IMGs



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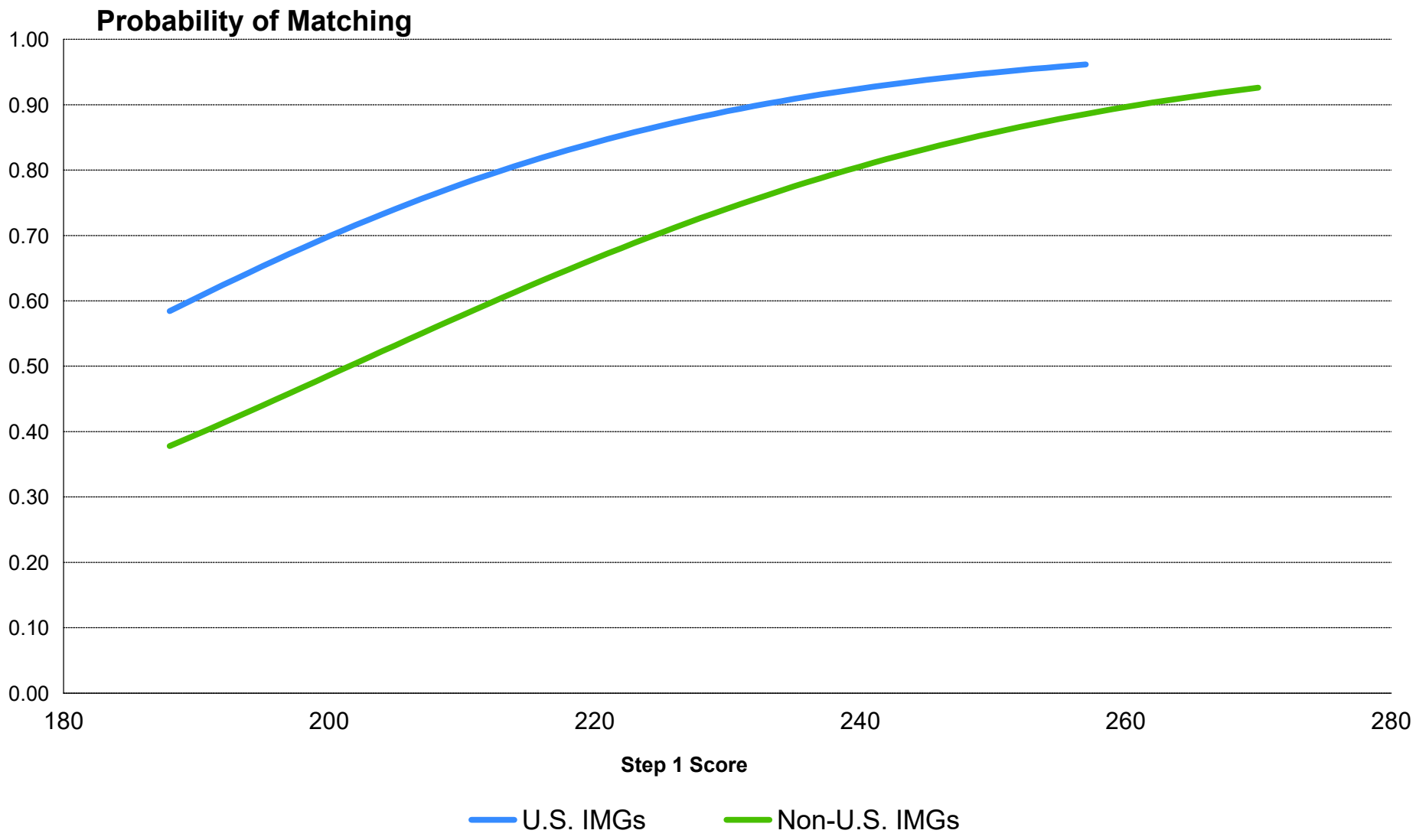
Graph PD-2

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

Pediatrics



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

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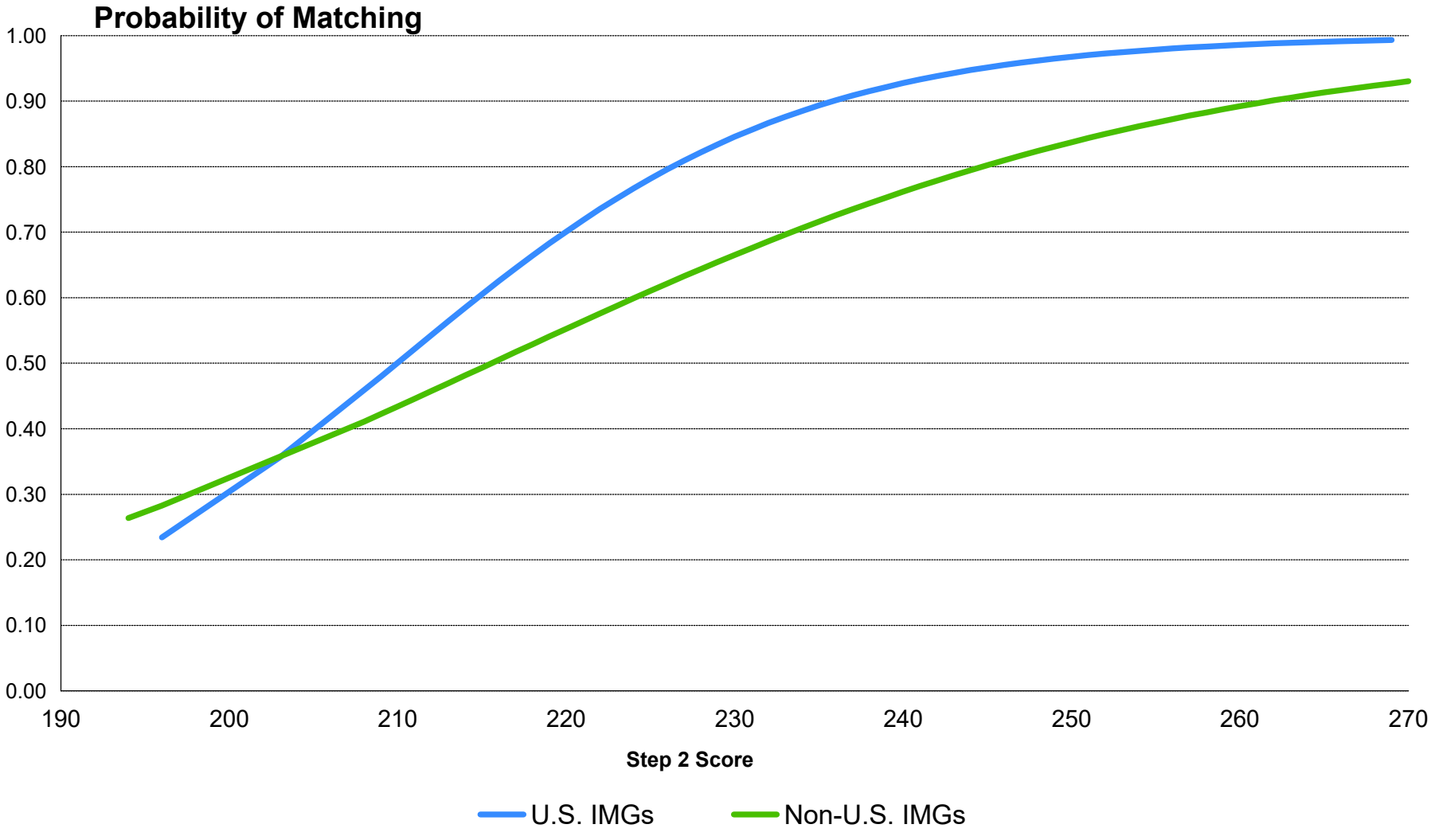
Graph PD-3

Probability of International Medical Graduates Matching to Preferred Specialty by USMLE Step 2 Score

Pediatrics



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

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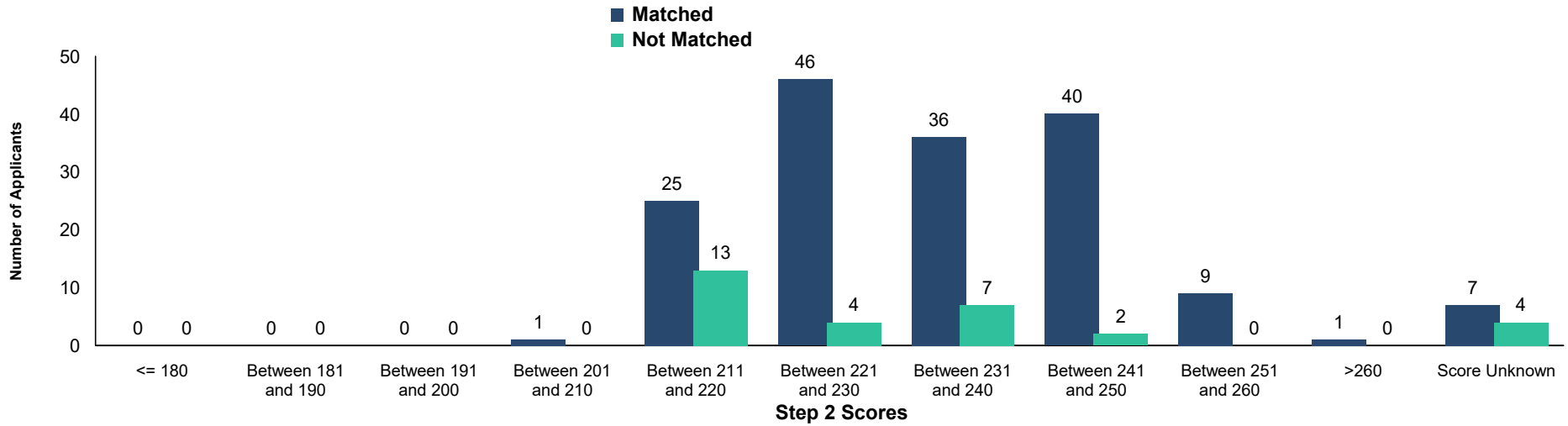
Chart PD-4

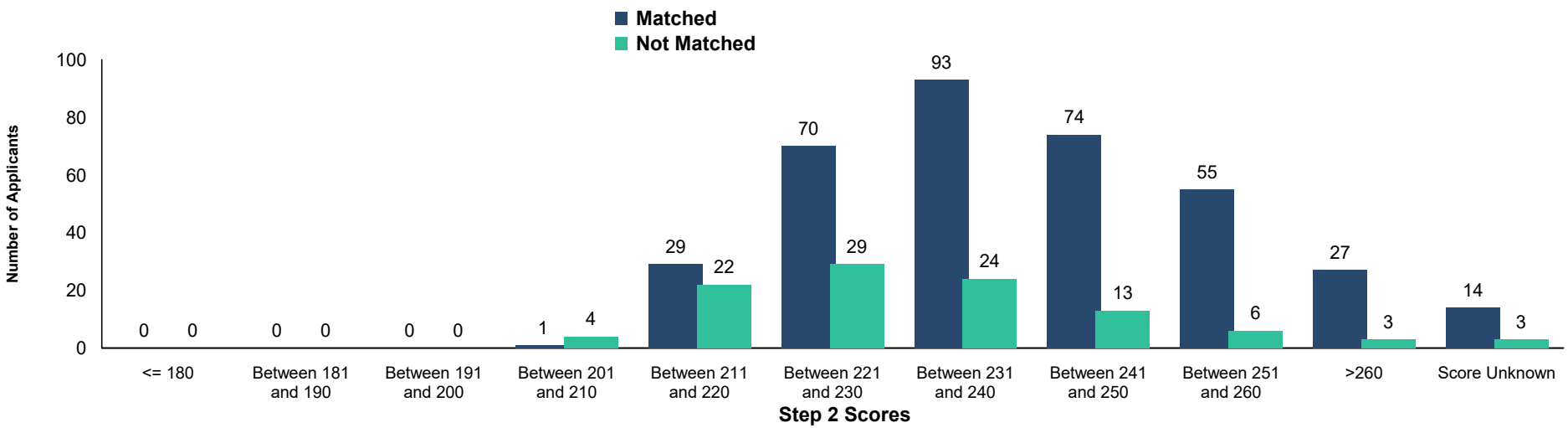
USMLE Step 2 CK Scores of International Medical Graduates

Pediatrics

U.S. IMGs



Non-U.S. IMGs



Source: NRMP Data Warehouse

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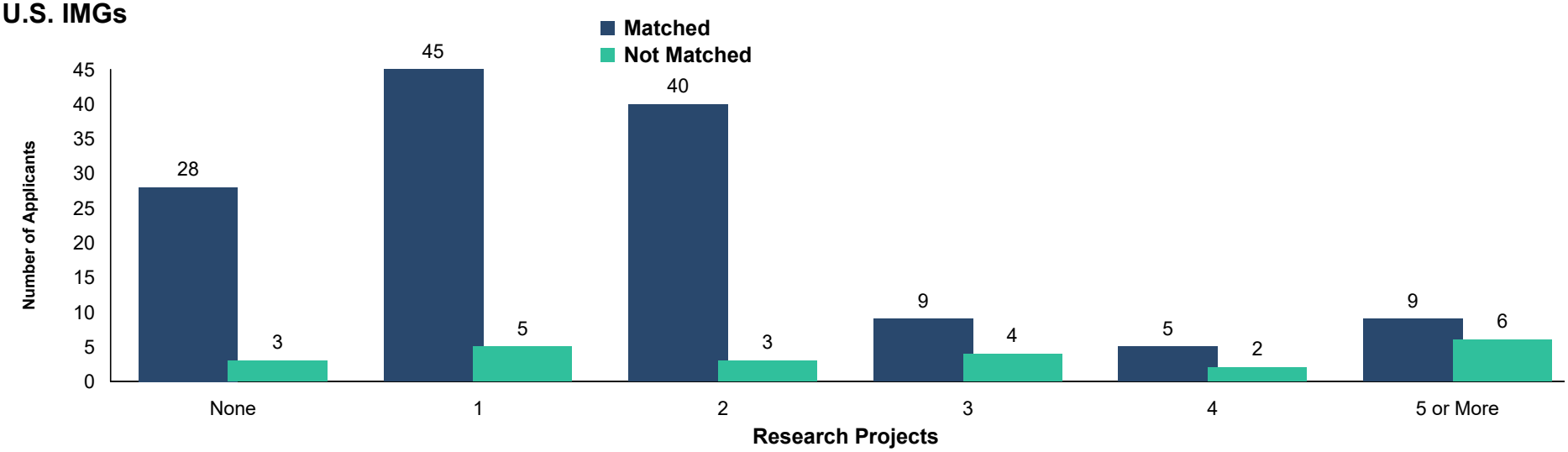
Chart PD-5

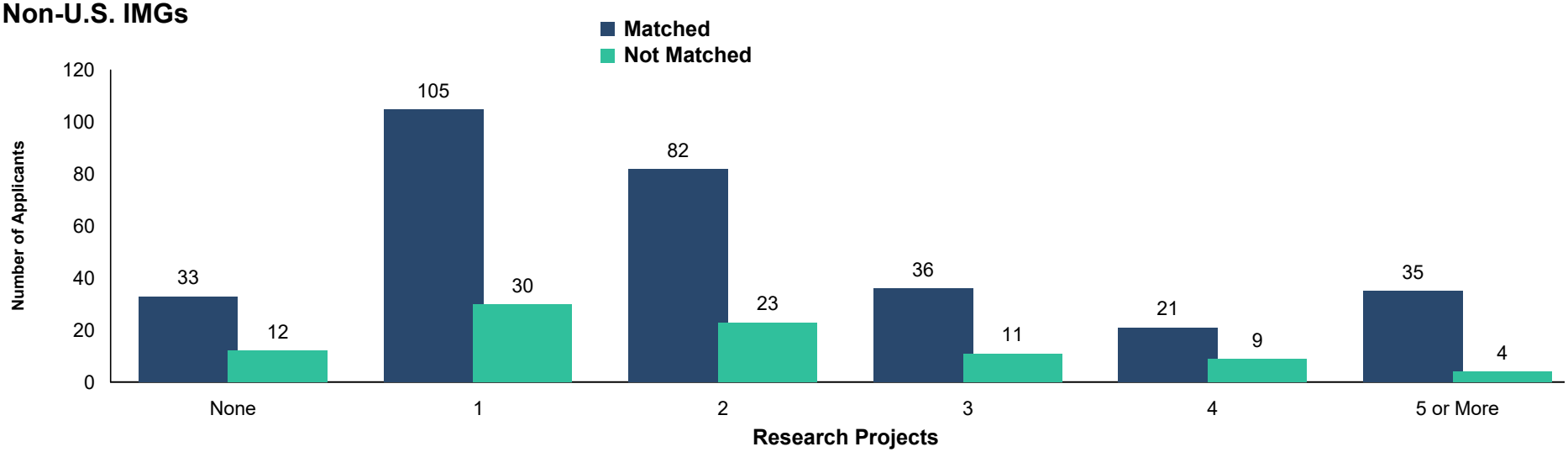
Number of Research Projects of International Medical Graduates

Pediatrics

U.S. IMGs



Non-U.S. IMGs



Source: NRMP Data Warehouse

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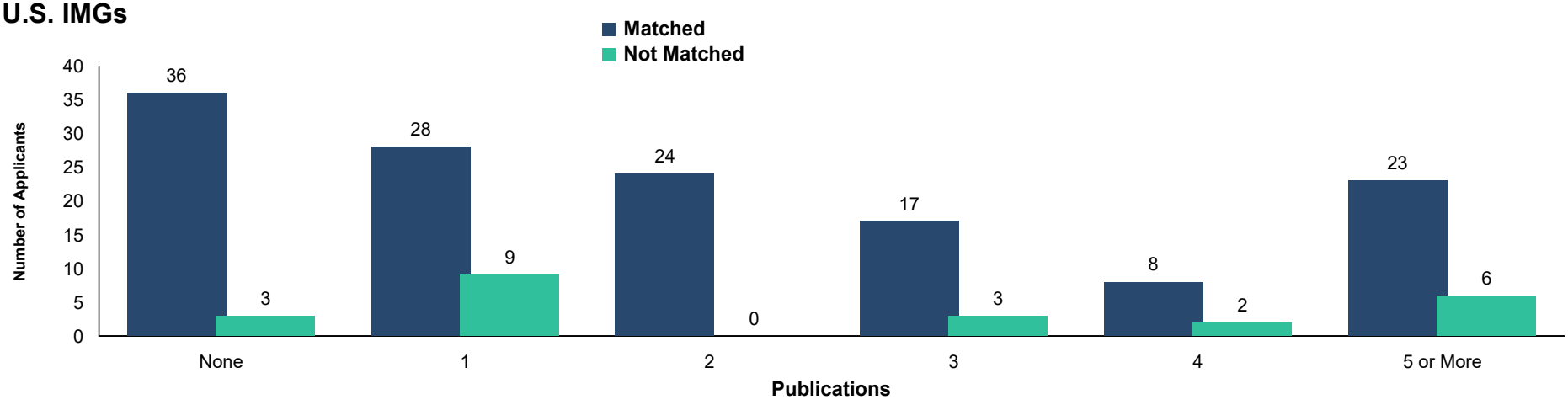
Chart PD-6

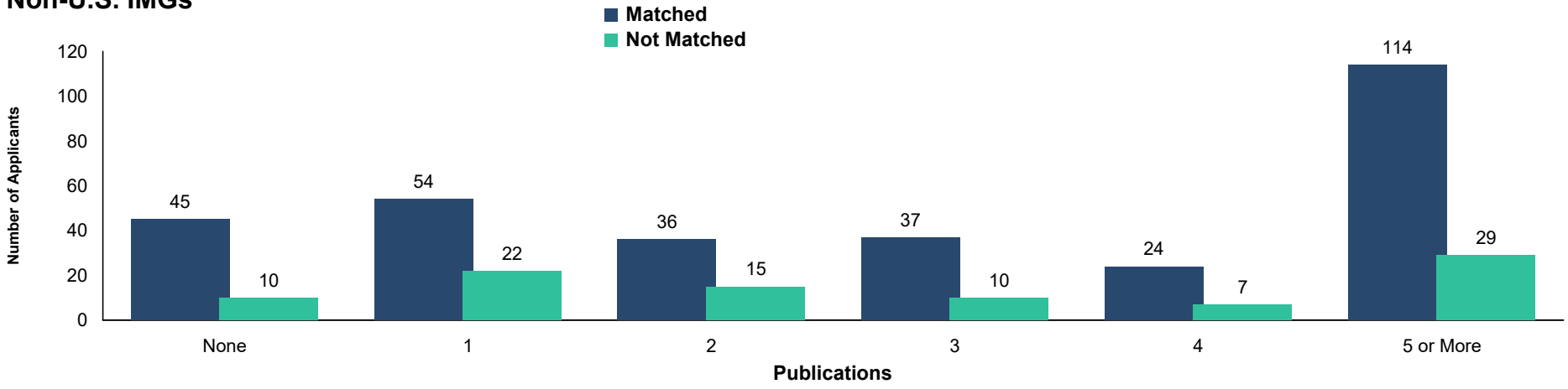
Number of Abstracts, Presentations, and Publications of International Medical Graduates

Pediatrics

U.S. IMGs



Non-U.S. IMGs



Source: NRMP Data Warehouse

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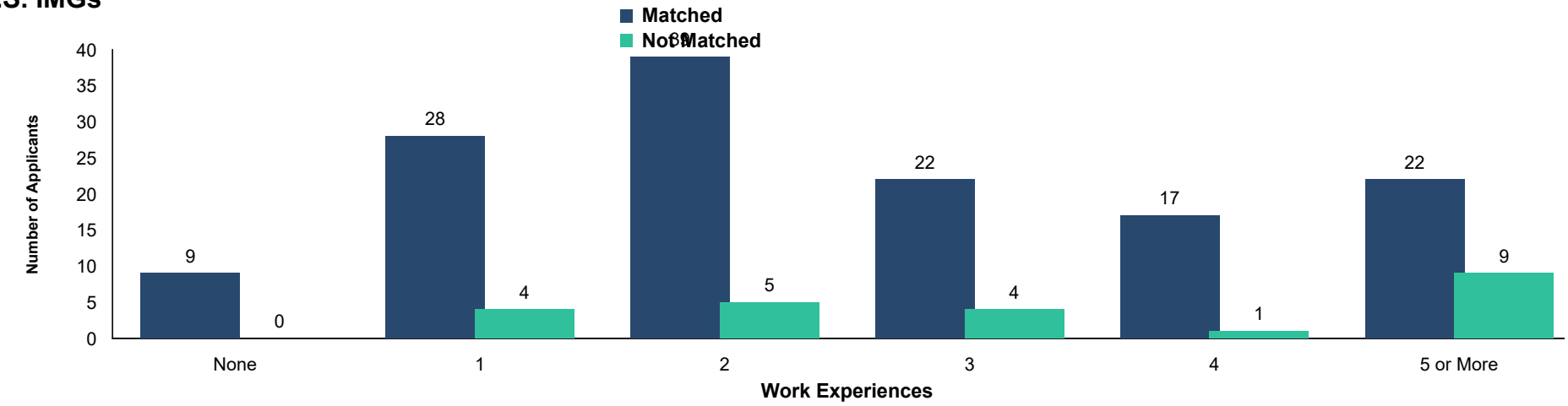
Chart PD-7

Number of Work Experiences of International Medical Graduates

Pediatrics

U.S. IMGs



Non-U.S. IMGs

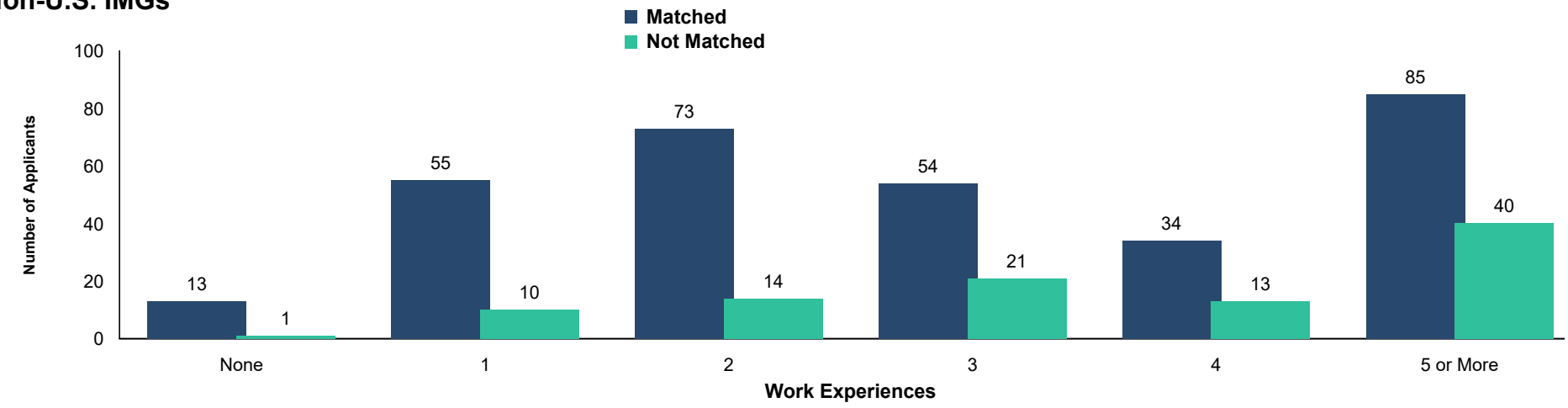


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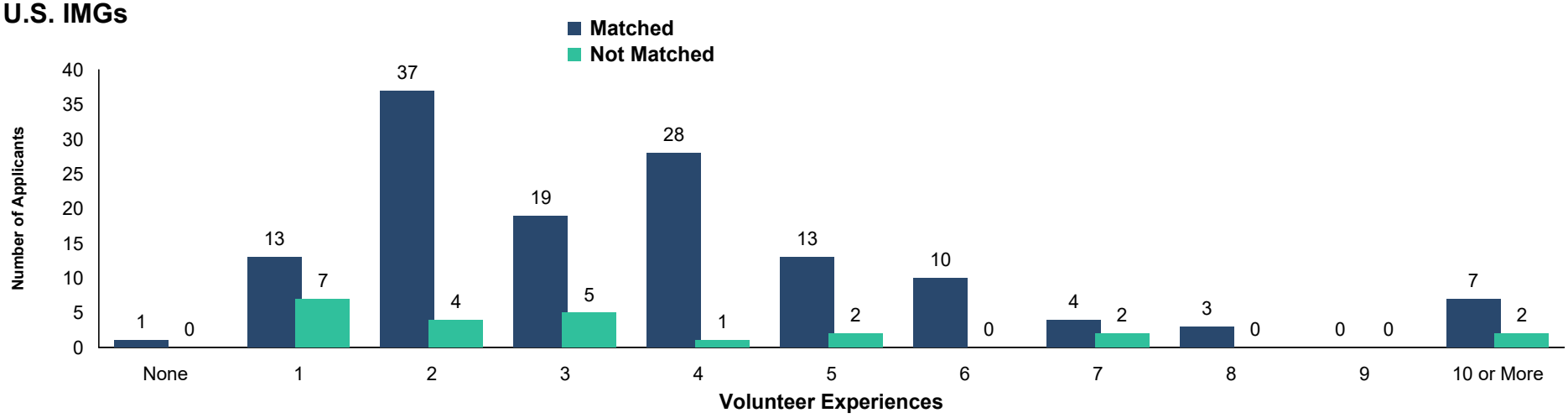
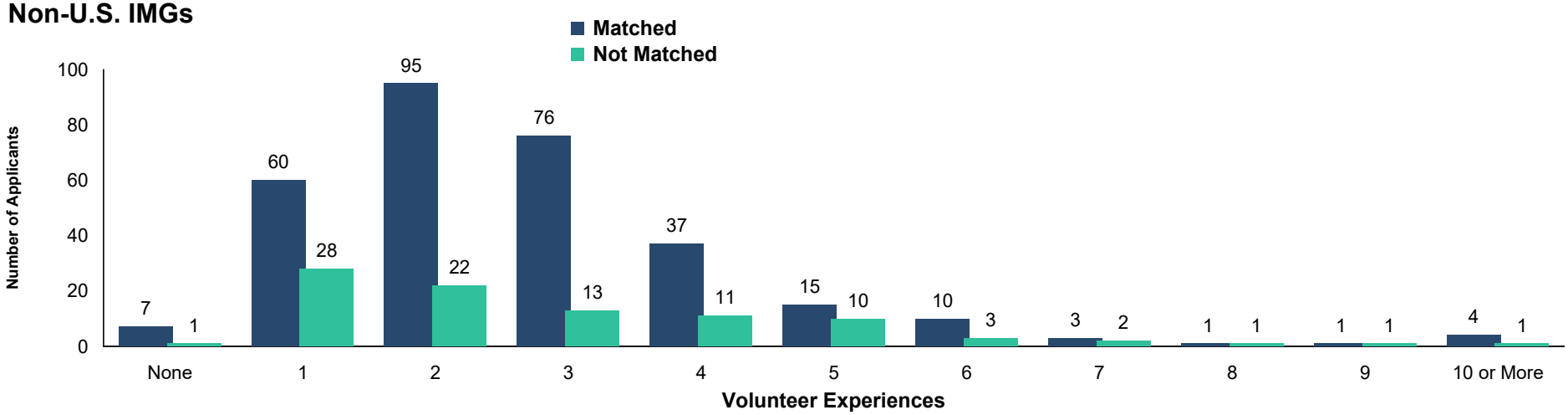
Chart PD-8 Number of Volunteer Experiences of International Medical Graduates

Pediatrics

U.S. IMGs



Non-U.S. IMGs



Source: NRMP Data Warehouse

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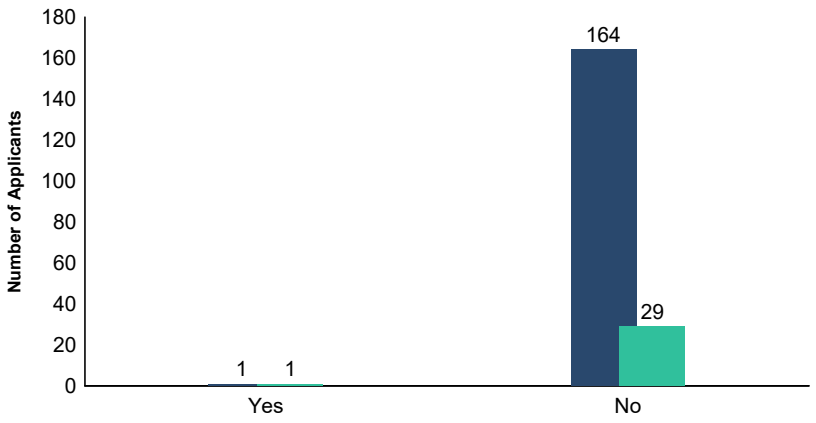
Chart PD-9 Other Characteristics of International Medical Graduates

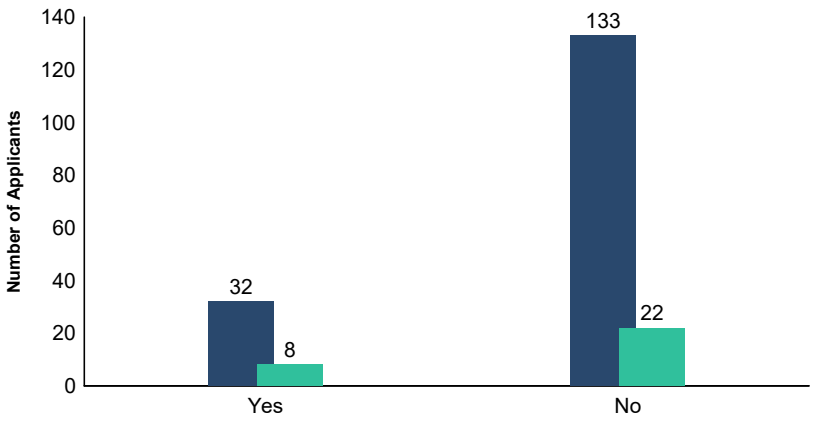
Pediatrics

U.S. IMGs

Ph.D. Degree

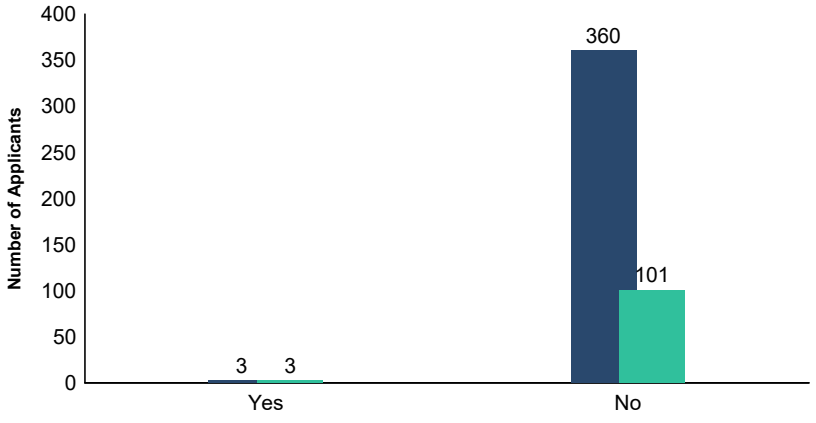


Other Graduate Degree

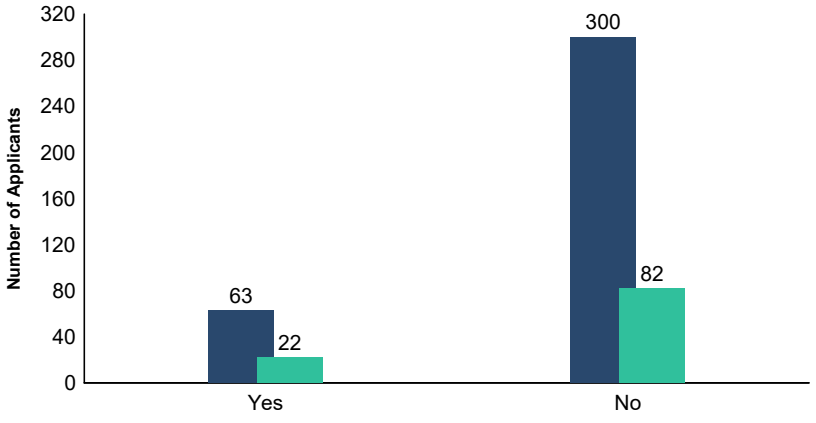


Non-U.S. IMGs

Ph.D. Degree



Other Graduate Degree



Source: NRMP Data Warehouse

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PM Physical Medicine and Rehabilitation

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Table PM-1 Summary Statistics
Physical Medicine and Rehabilitation

Measure	U.S. IMGs		Non-U.S. IMGs	
	Matched (n=13)	Unmatched (n=16)	Matched (n=14)	Unmatched (n=13)
1. Mean number of contiguous ranks	5.5	3.1	6.1	2.8
2. Mean number of distinct specialties ranked	1.9	2.5	2.1	1.6
3. Mean USMLE Step 1 score*	220	216	237	223
4. Mean USMLE Step 2 score	239	231	242	236
5. Mean number of research experiences	3.3	1.6	2.8	2.9
6. Mean number of abstracts, presentations, and publications	4.2	2.1	9.0	11.1
7. Mean number of work experiences	3.3	2.8	3.2	3.9
8. Mean number of volunteer experiences	3.5	3.1	3.6	3.2
9. Percentage who have a Ph.D. degree	0.0	7.7	0.0	0.0
10. Percentage who have another graduate degree	30.8	23.1	25.0	30.8

Note: * Only applicants who gave consent to use their information in research are included.
*Only applicants who indicated completion of the USMLE Step 1 exam prior to the transition to pass/fail (i.e., prior to January 26, 2022) had the option to self-report their Step 1 numeric score. In 2024, 6,845 IMGs (2,248 U.S. IMGs and 4,597 non-U.S. IMGs) self-reported Step 1 numeric scores.
Source. NRMP Data Warehouse

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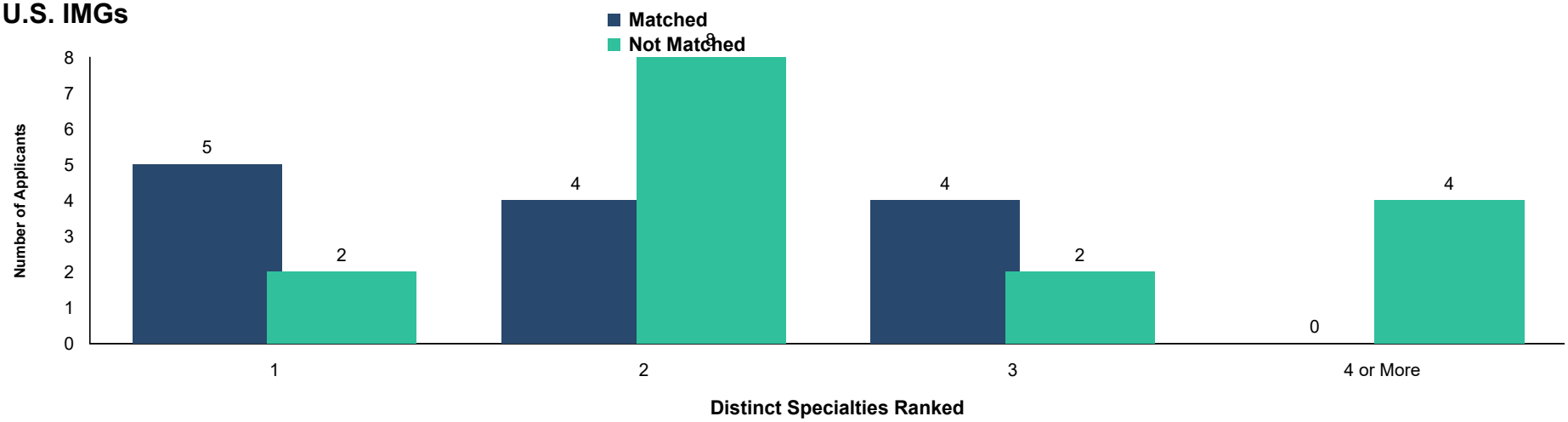
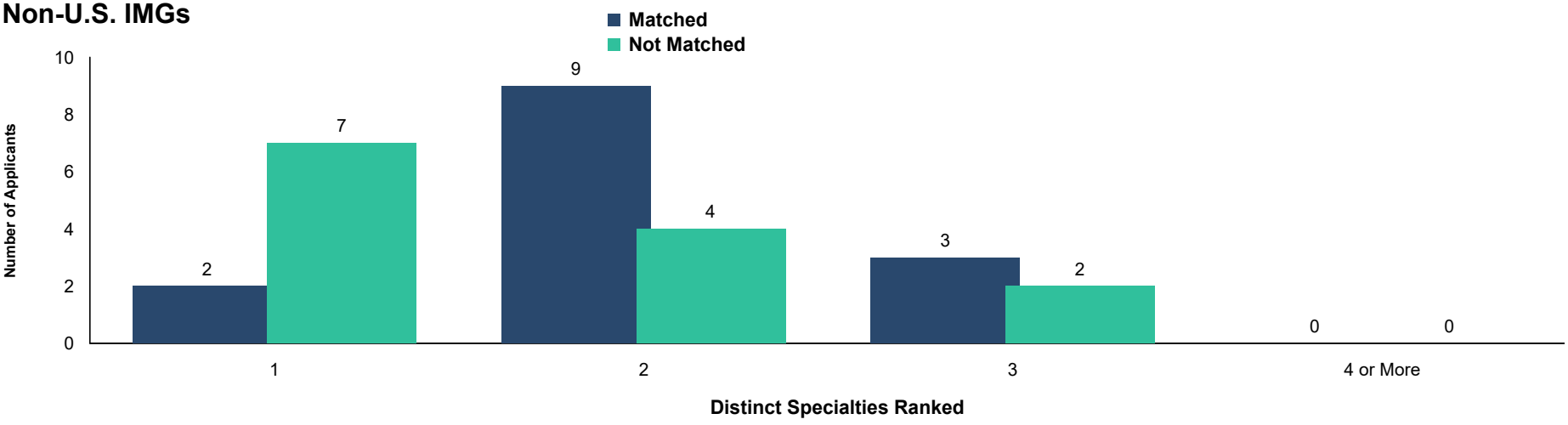
Chart PM-1 Number of Distinct Specialties Ranked by International Medical Graduates Physical Medicine and Rehabilitation

U.S. IMGs



Non-U.S. IMGs



Source: NRMP Data Warehouse

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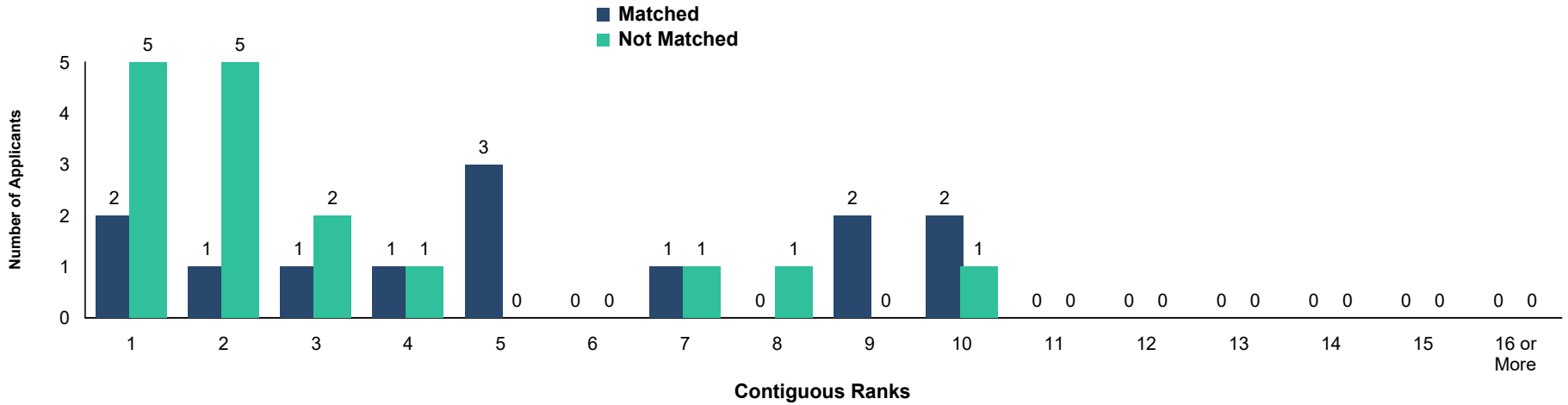
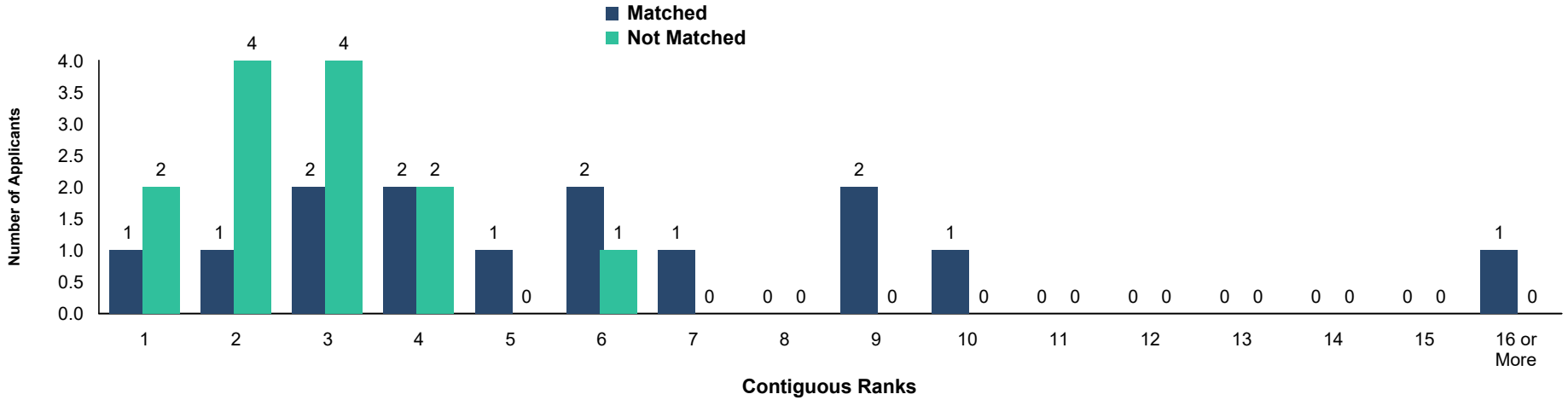
Chart PM-2 Number of Contiguous Ranks of International Medical Graduates Physical Medicine and Rehabilitation

U.S. IMGs



Non-U.S. IMGs



Source: NRMP Data Warehouse

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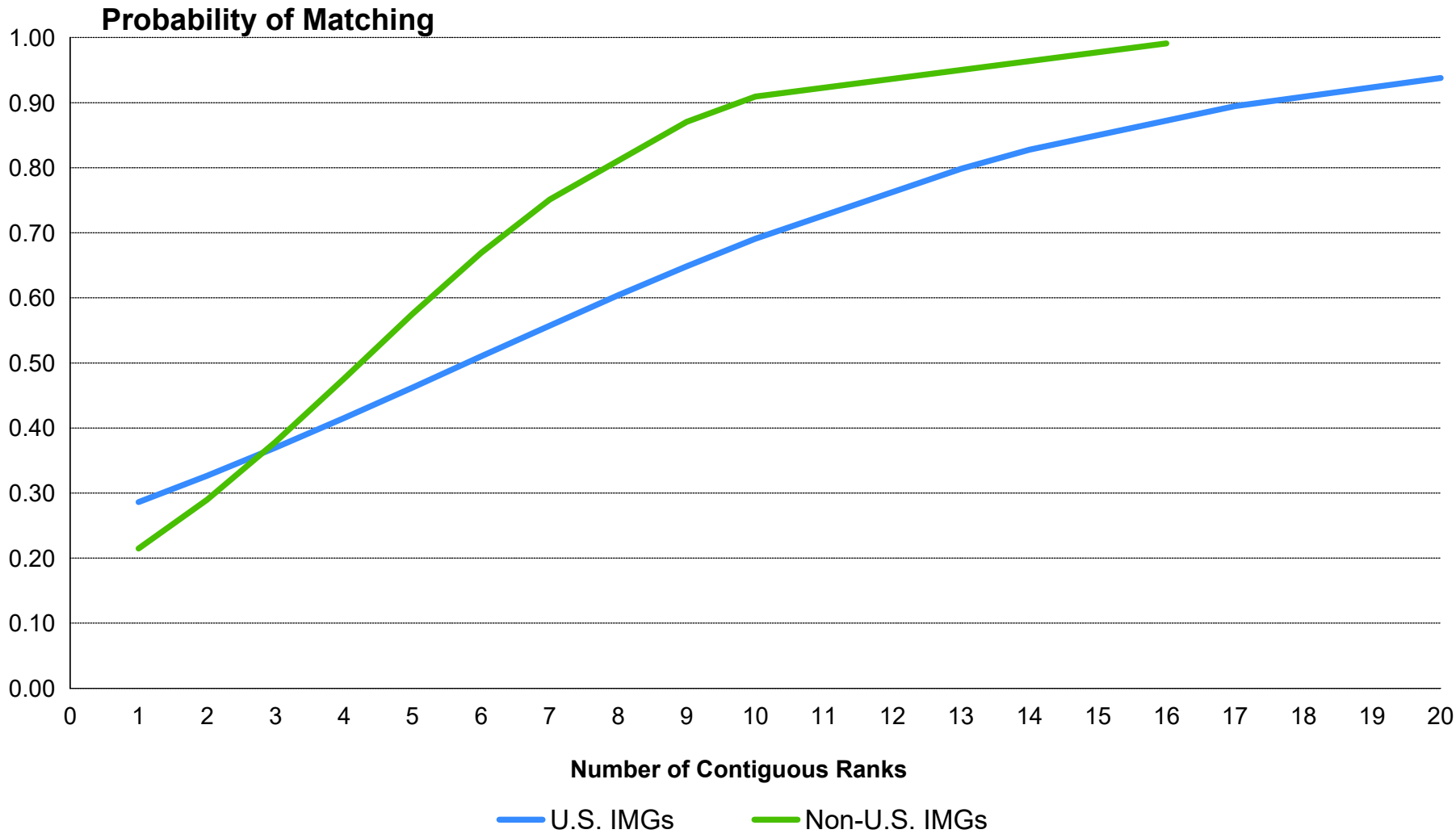
Graph PM-1

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 2022-2024 applicants

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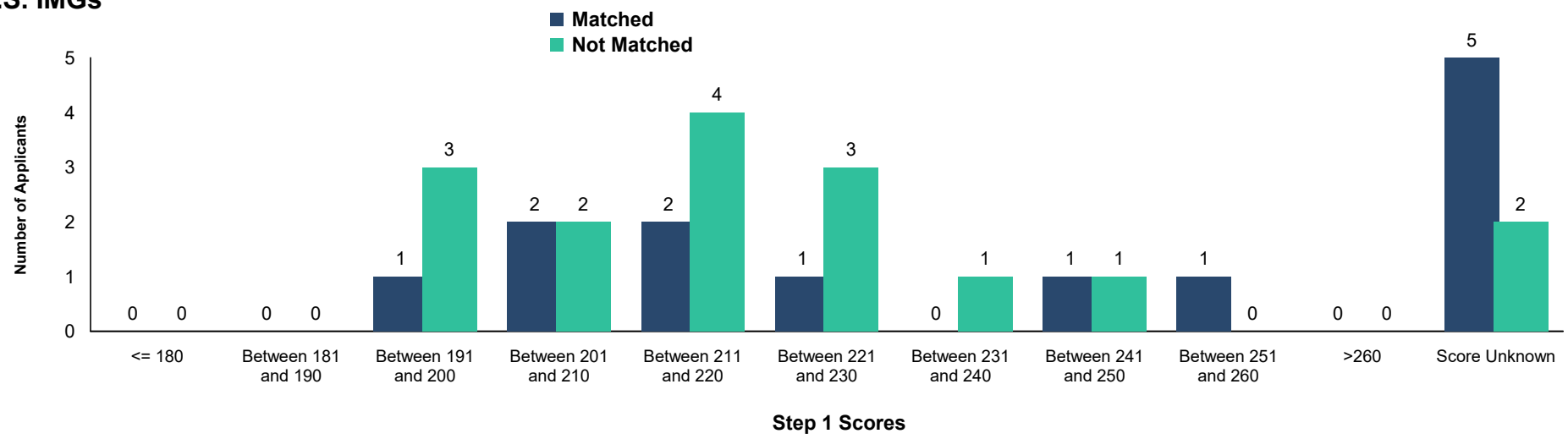
Chart PM-3

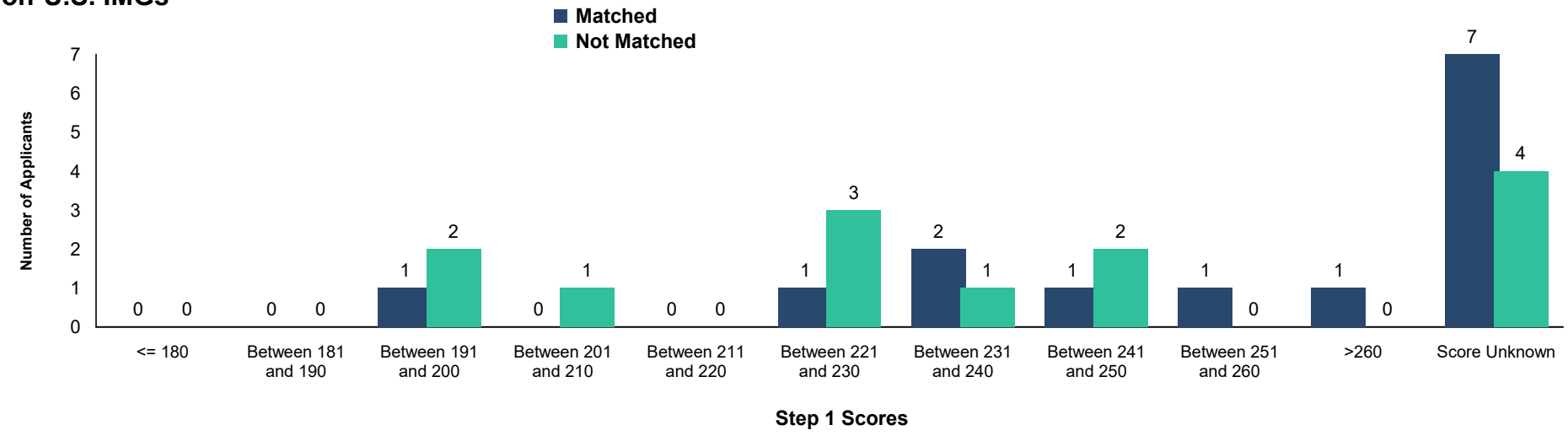
USMLE Step 1 Scores of International Medical Graduates

Physical Medicine and Rehabilitation

U.S. IMGs



Non-U.S. IMGs



Source: NRMP Data Warehouse

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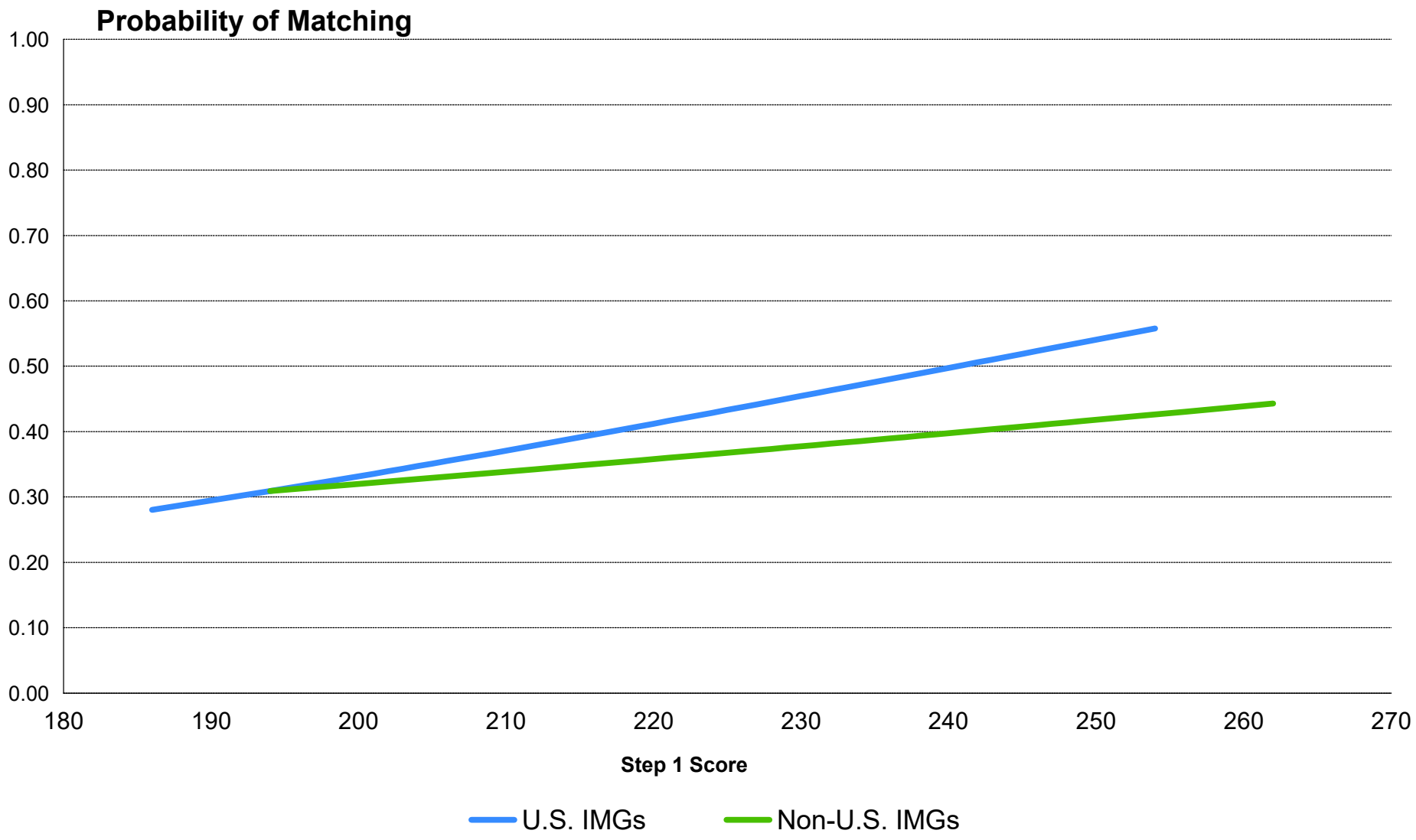
Graph PM-2

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 2022-2024 applicants.

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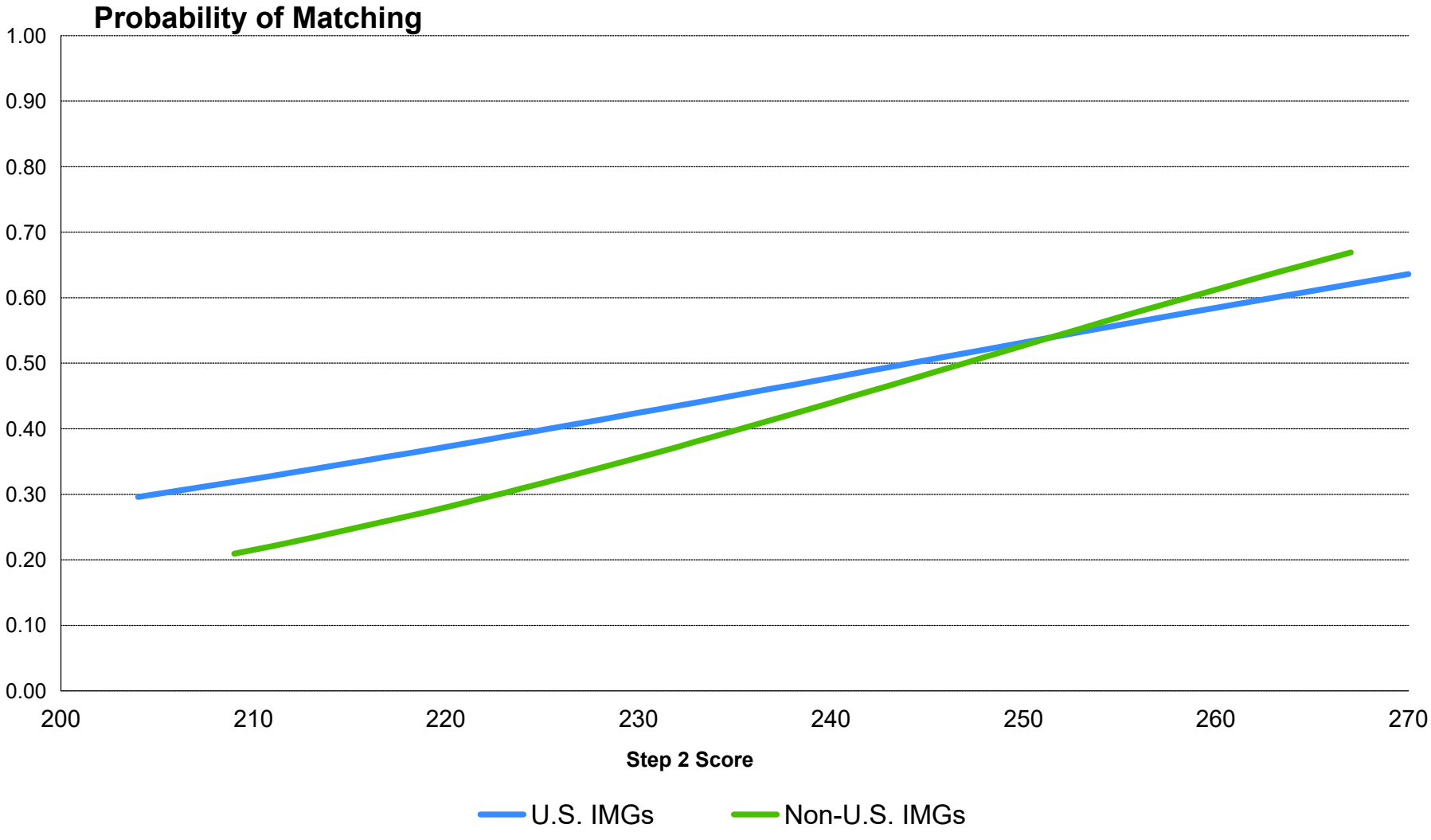
Graph PM-3

Probability of International Medical Graduates Matching to Preferred Specialty by USMLE Step 2 Score

Physical Medicine and Rehabilitation



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

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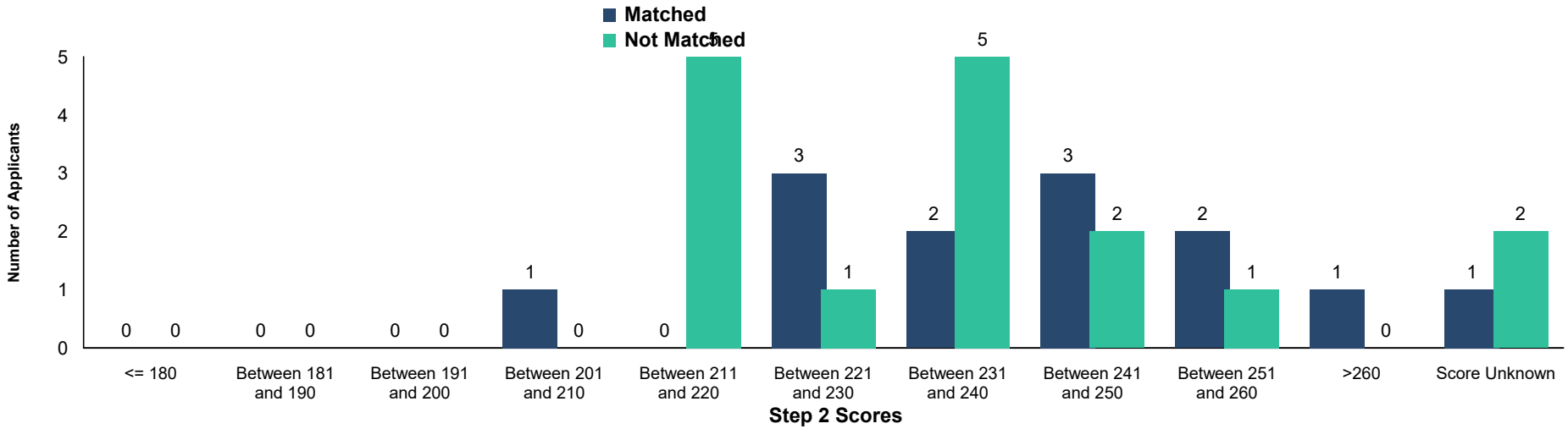
Chart PM-4

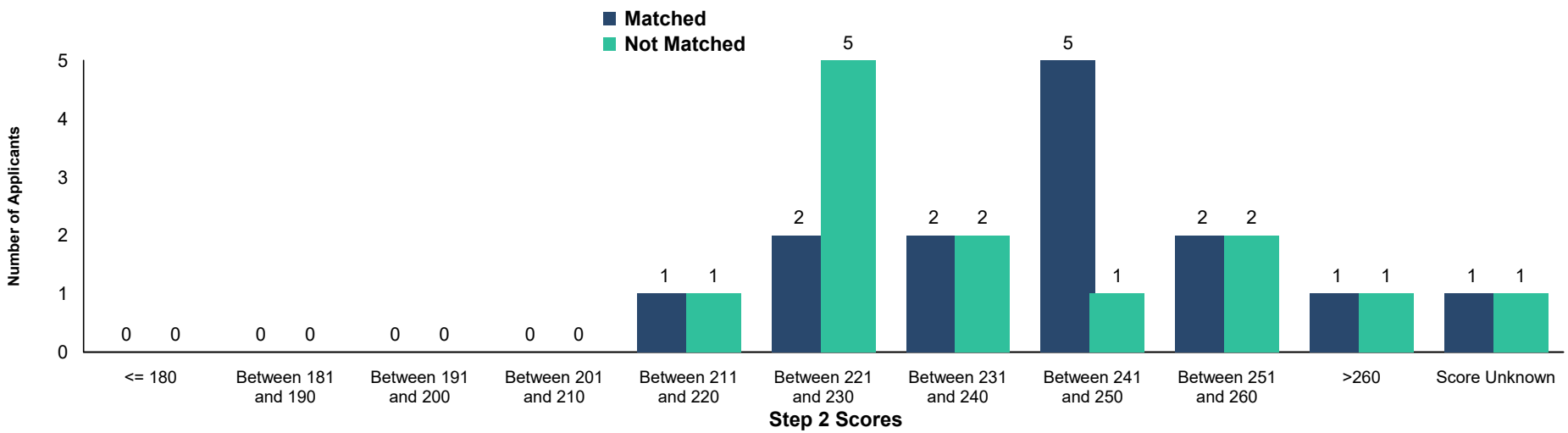
USMLE Step 2 CK Scores of International Medical Graduates

Physical Medicine and Rehabilitation

U.S. IMGs



Non-U.S. IMGs



Source: NRMP Data Warehouse

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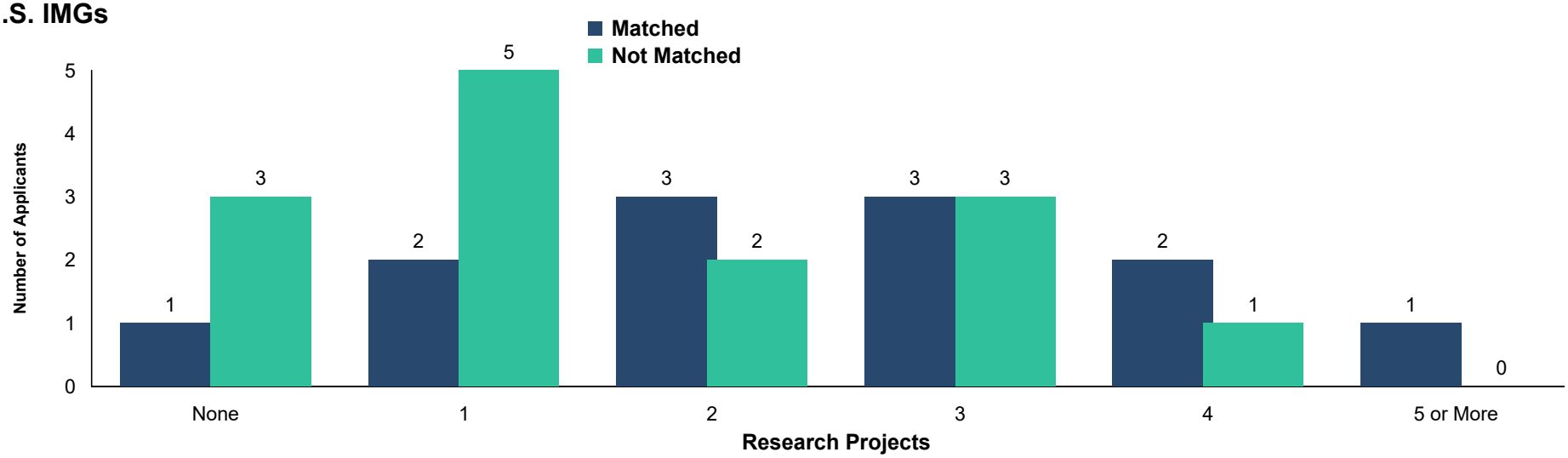
Chart PM-5

Number of Research Projects of International Medical Graduates

Physical Medicine and Rehabilitation

U.S. IMGs



Non-U.S. IMGs

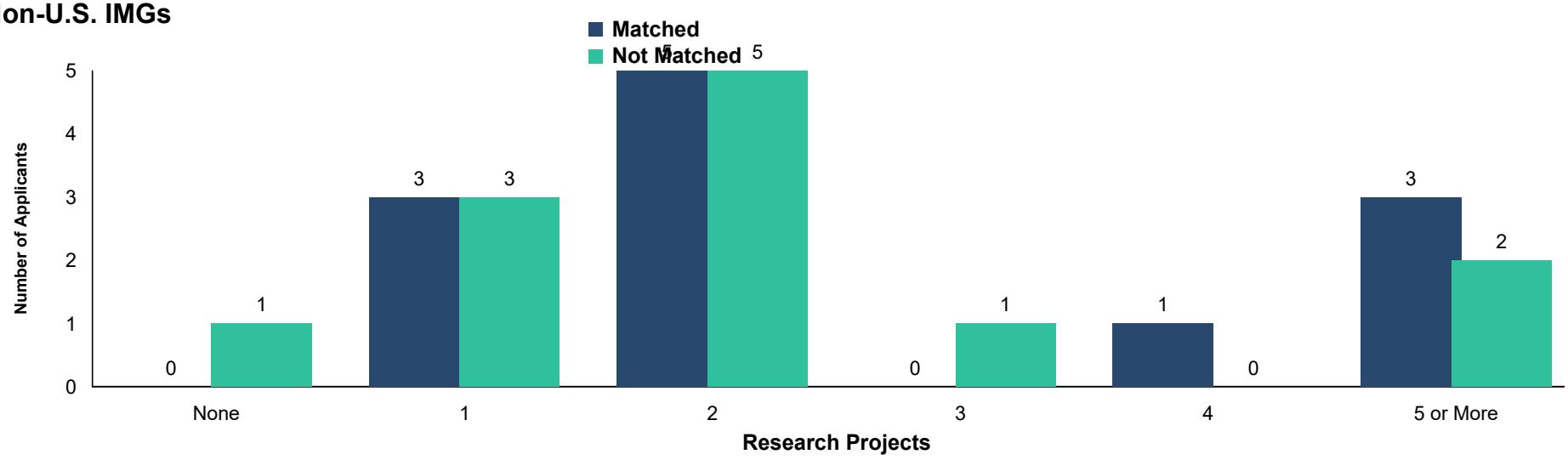


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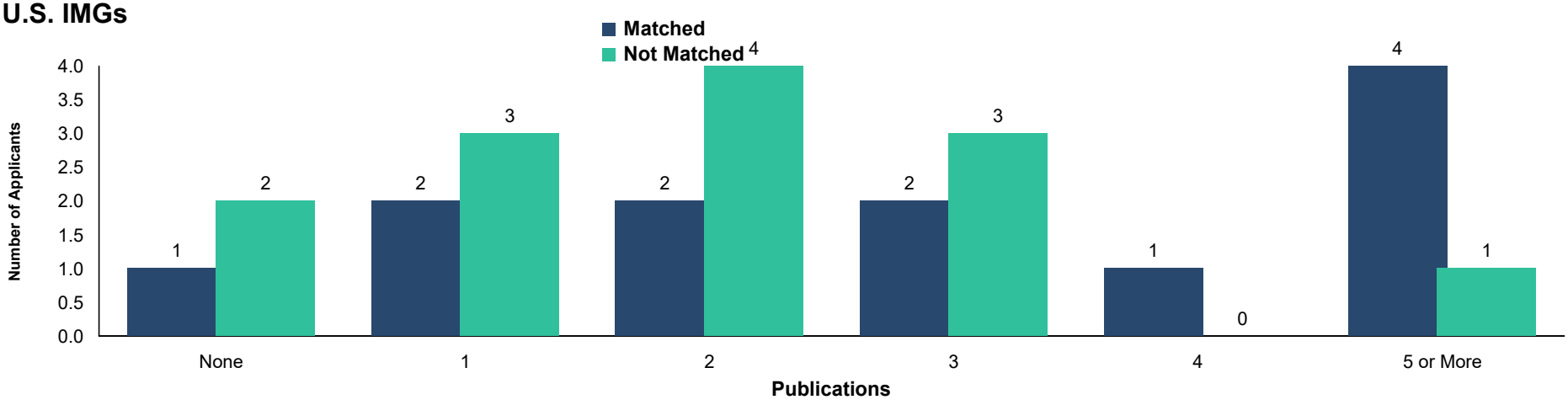
Chart PM-6

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

Physical Medicine and Rehabilitation

U.S. IMGs



Non-U.S. IMGs

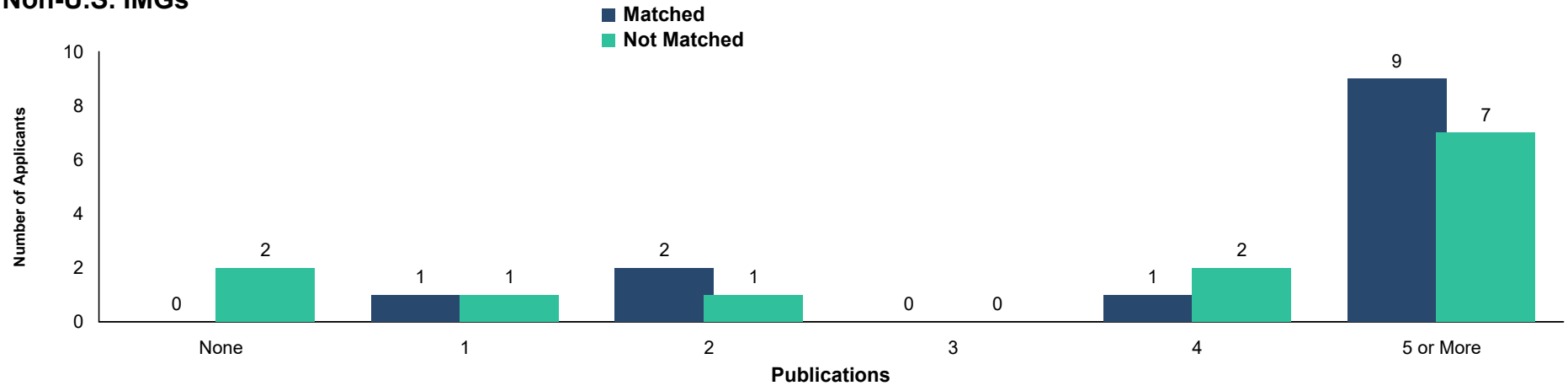


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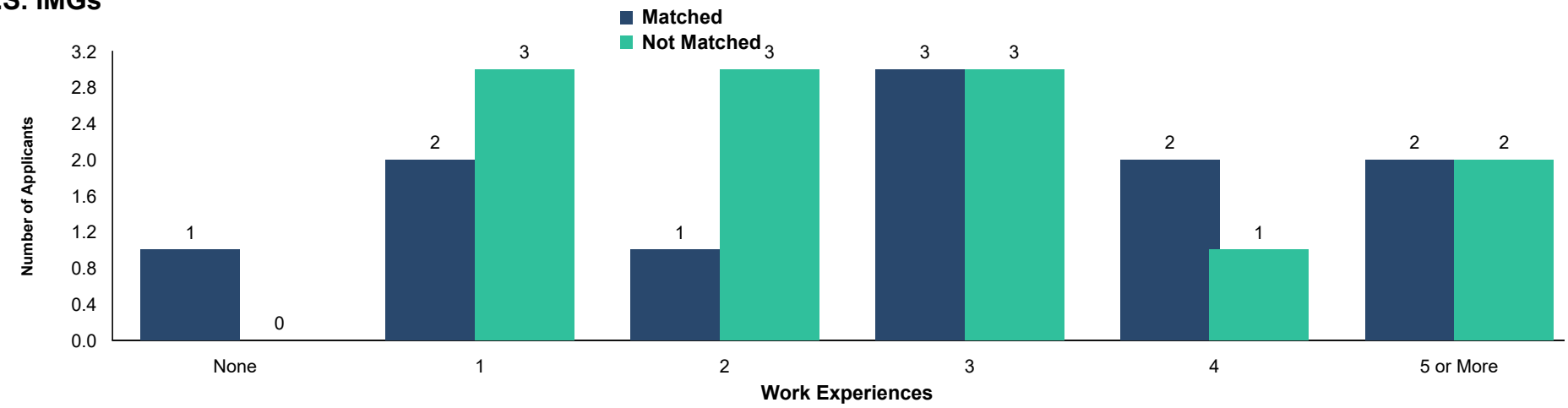
Chart PM-7

Number of Work Experiences of International Medical Graduates

Physical Medicine and Rehabilitation

U.S. IMGs



Non-U.S. IMGs

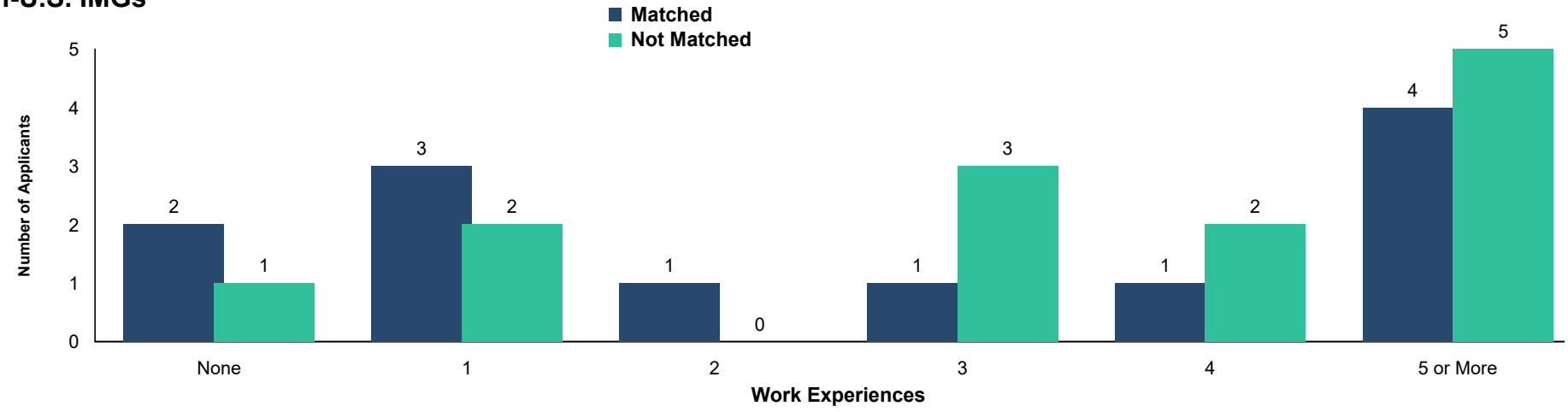


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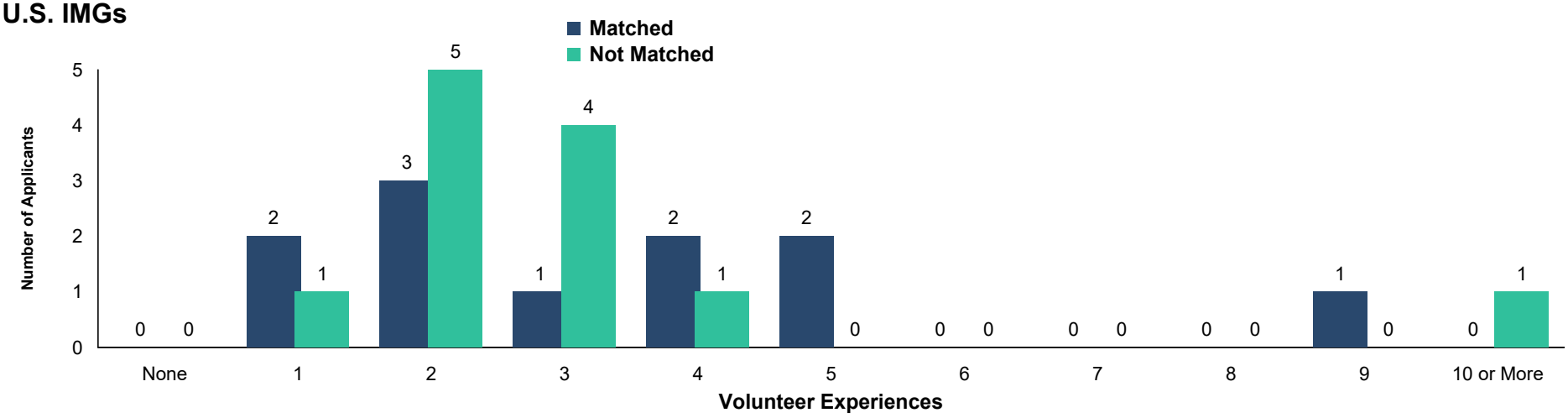
Chart PM-8

Number of Volunteer Experiences of International Medical Graduates

Physical Medicine and Rehabilitation

U.S. IMGs



Non-U.S. IMGs

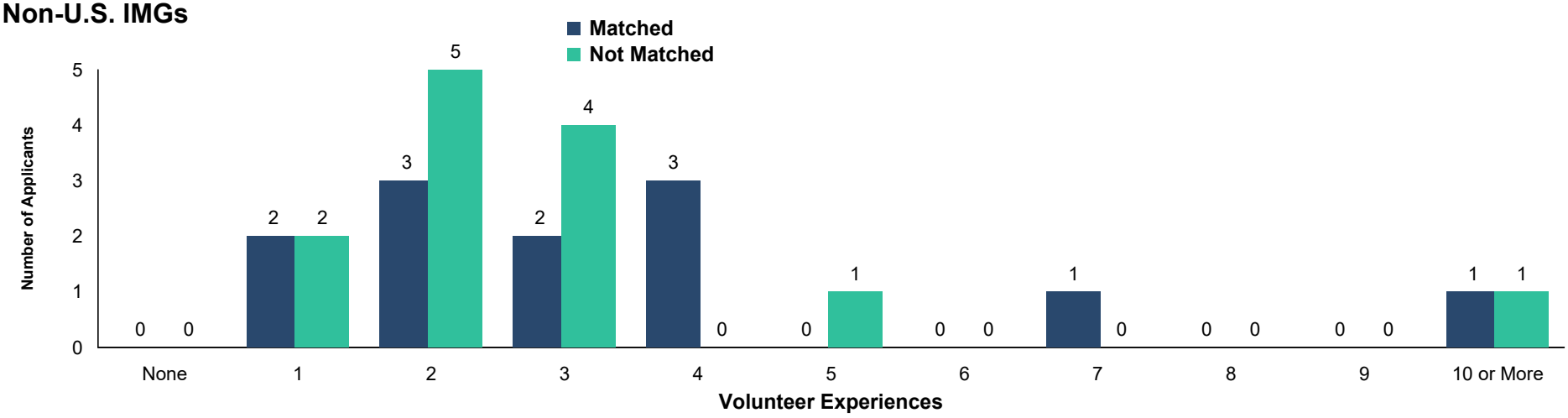


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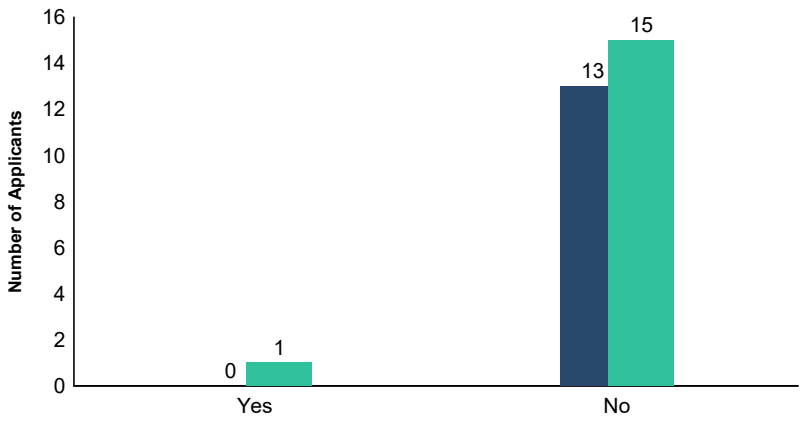
Chart PM-9

Other Characteristics of International Medical Graduates

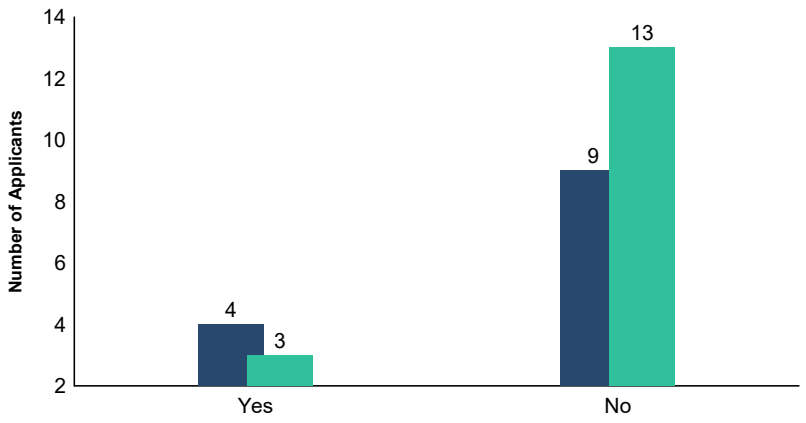
Physical Medicine and Rehabilitation

U.S. IMGs

Ph.D. Degree

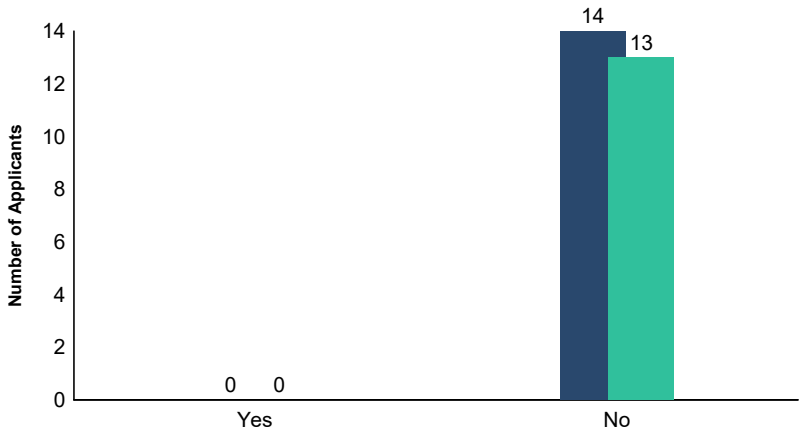


Other Graduate Degree

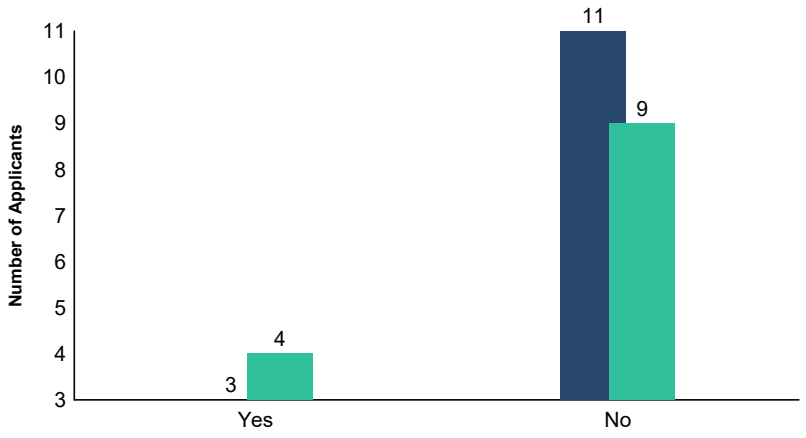


Non-U.S. IMGs

Ph.D. Degree



Other Graduate Degree



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PS Plastic Surgery

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Table PS-1 Summary Statistics
Plastic Surgery

Measure	U.S. IMGs		Non-U.S. IMGs	
	Matched (n=2)	Unmatched (n=7)	Matched (n=7)	Unmatched (n=16)
1. Mean number of contiguous ranks	3.5	1.9	2.7	2.3
2. Mean number of distinct specialties ranked	1.5	1.7	1.6	1.6
3. Mean USMLE Step 1 score*	252	238	238	234
4. Mean USMLE Step 2 score	267	245	242	243
5. Mean number of research experiences	0.0	3.2	6.4	6.3
6. Mean number of abstracts, presentations, and publications	7.0	23.7	55.7	37.1
7. Mean number of work experiences	3.0	4.5	5.6	5.9
8. Mean number of volunteer experiences	3.0	3.3	4.1	2.9
9. Percentage who have a Ph.D. degree	0.0	16.7	28.6	0.0
10. Percentage who have another graduate degree	0.0	0.0	42.9	31.3

Note: * Only applicants who gave consent to use their information in research are included.
*Only applicants who indicated completion of the USMLE Step 1 exam prior to the transition to pass/fail (i.e., prior to January 26, 2022) had the option to self-report their Step 1 numeric score. In 2024, 6,845 IMGs (2,248 U.S. IMGs and 4,597 non-U.S. IMGs) self-reported Step 1 numeric scores.
Source. NRMP Data Warehouse

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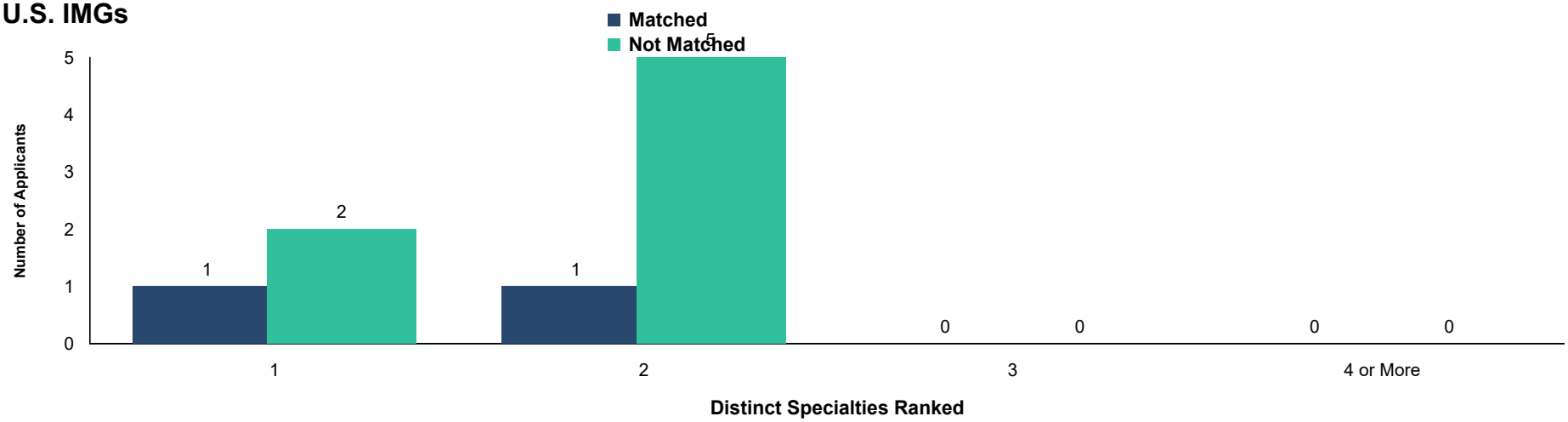
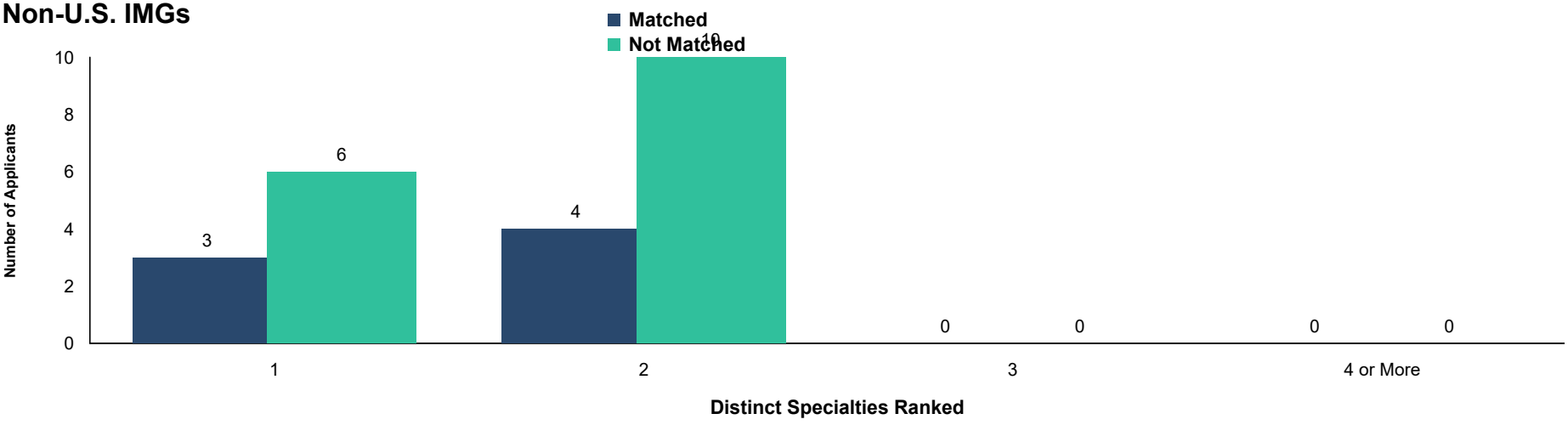
Chart PS-1 Number of Distinct Specialties Ranked by International Medical Graduates Plastic Surgery

U.S. IMGs



Non-U.S. IMGs



Source: NRMP Data Warehouse

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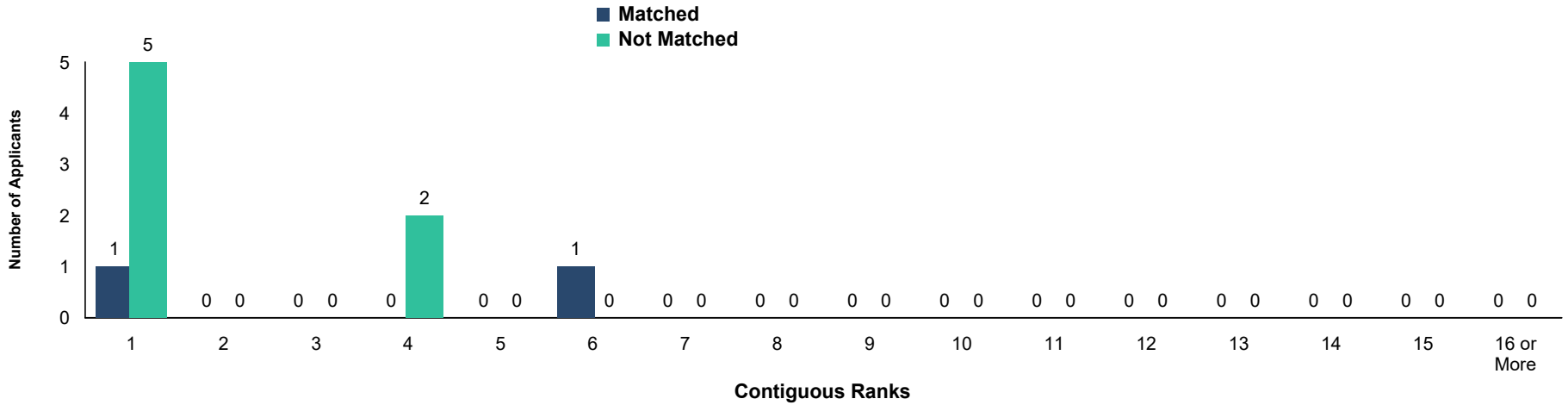
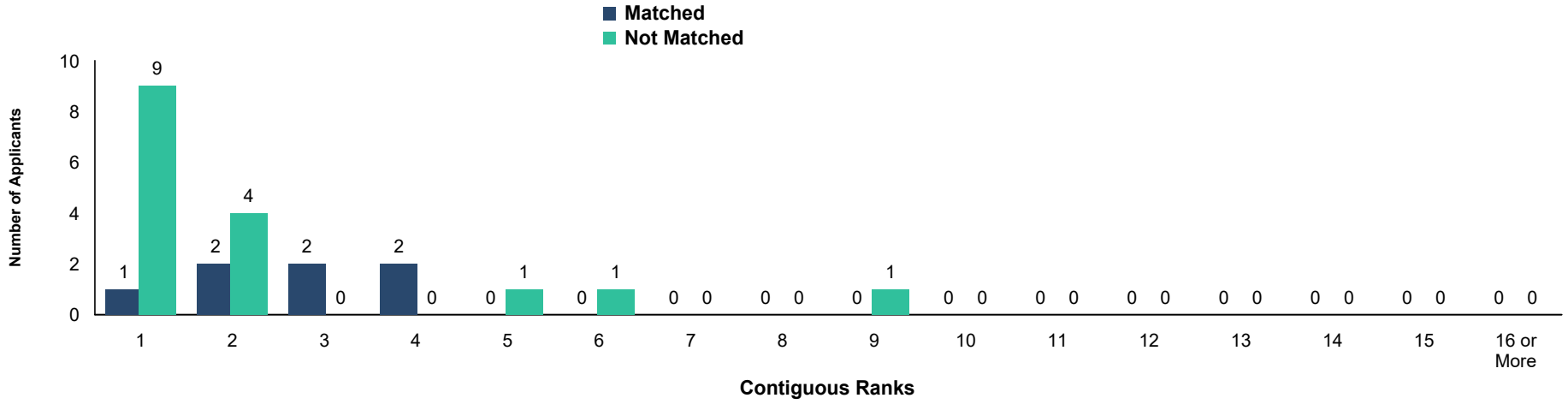
Chart PS-2 Number of Contiguous Ranks of International Medical Graduates Plastic Surgery

U.S. IMGs



Non-U.S. IMGs



Source: NRMP Data Warehouse

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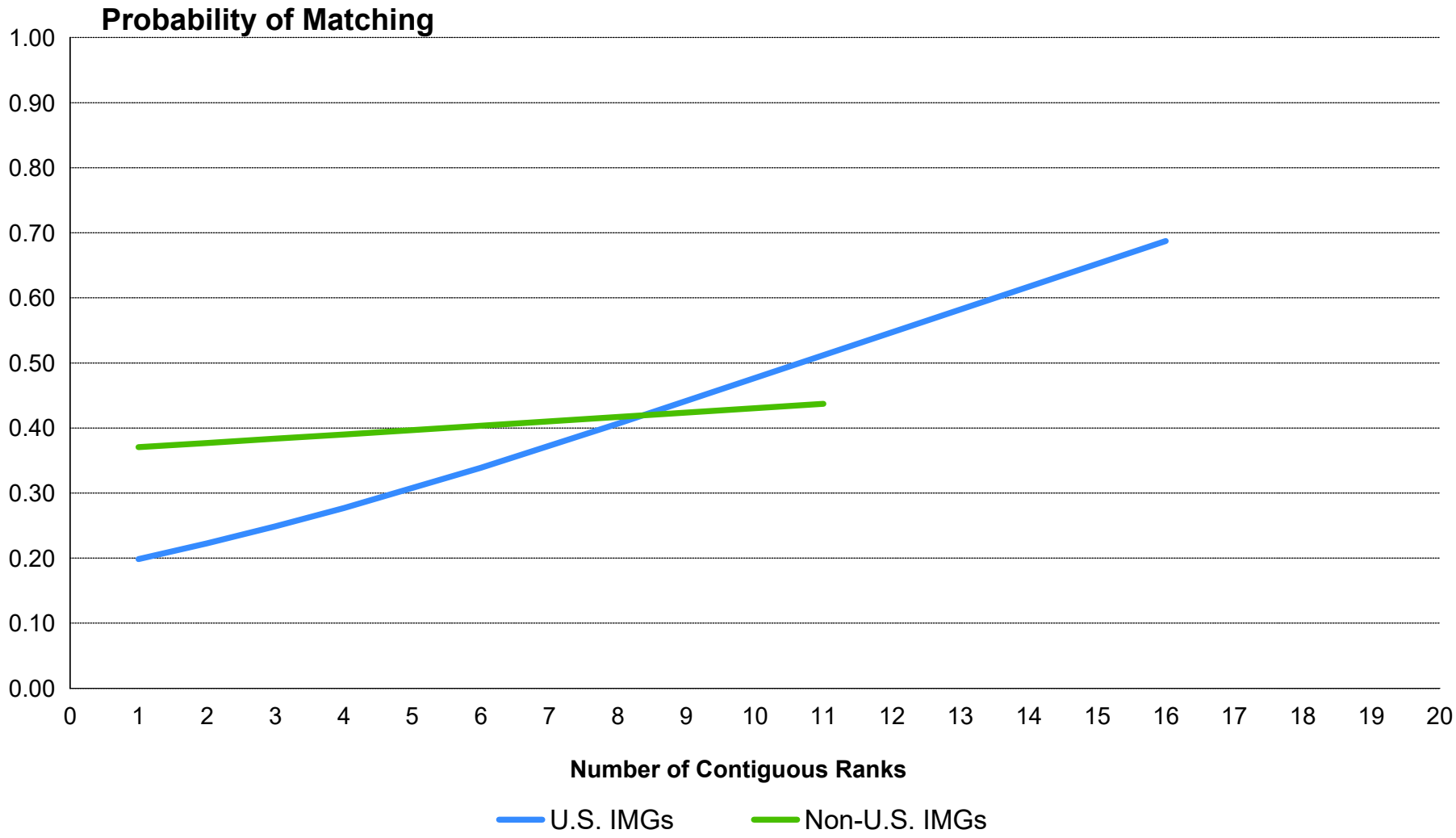
Graph PS-1

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

Plastic Surgery



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

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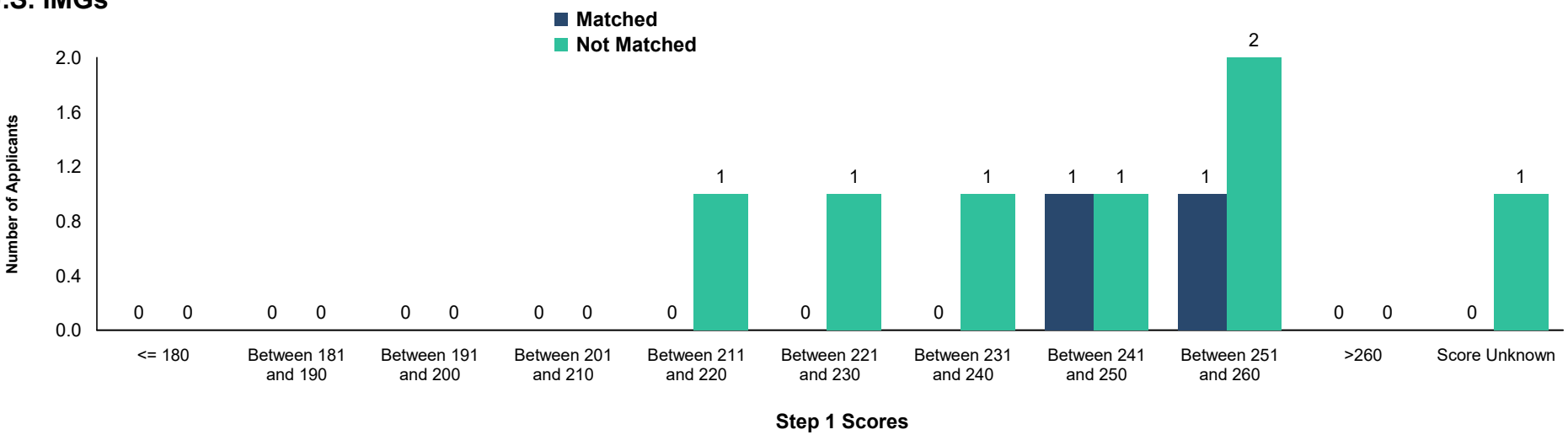
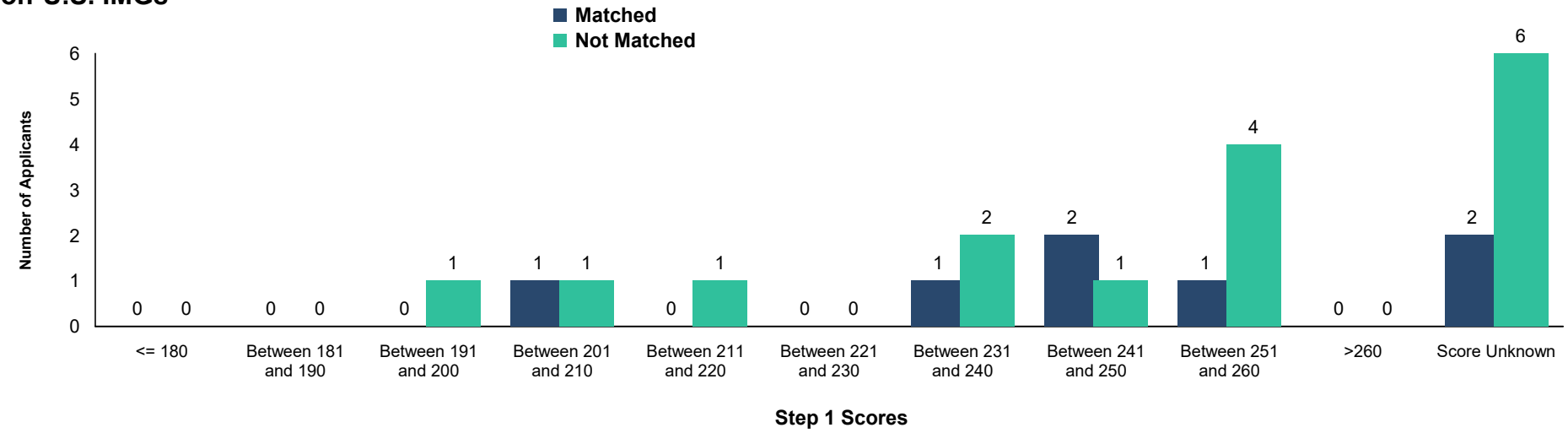
Chart PS-3 USMLE Step 1 Scores of International Medical Graduates

Plastic Surgery

U.S. IMGs



Non-U.S. IMGs



Source: NRMP Data Warehouse

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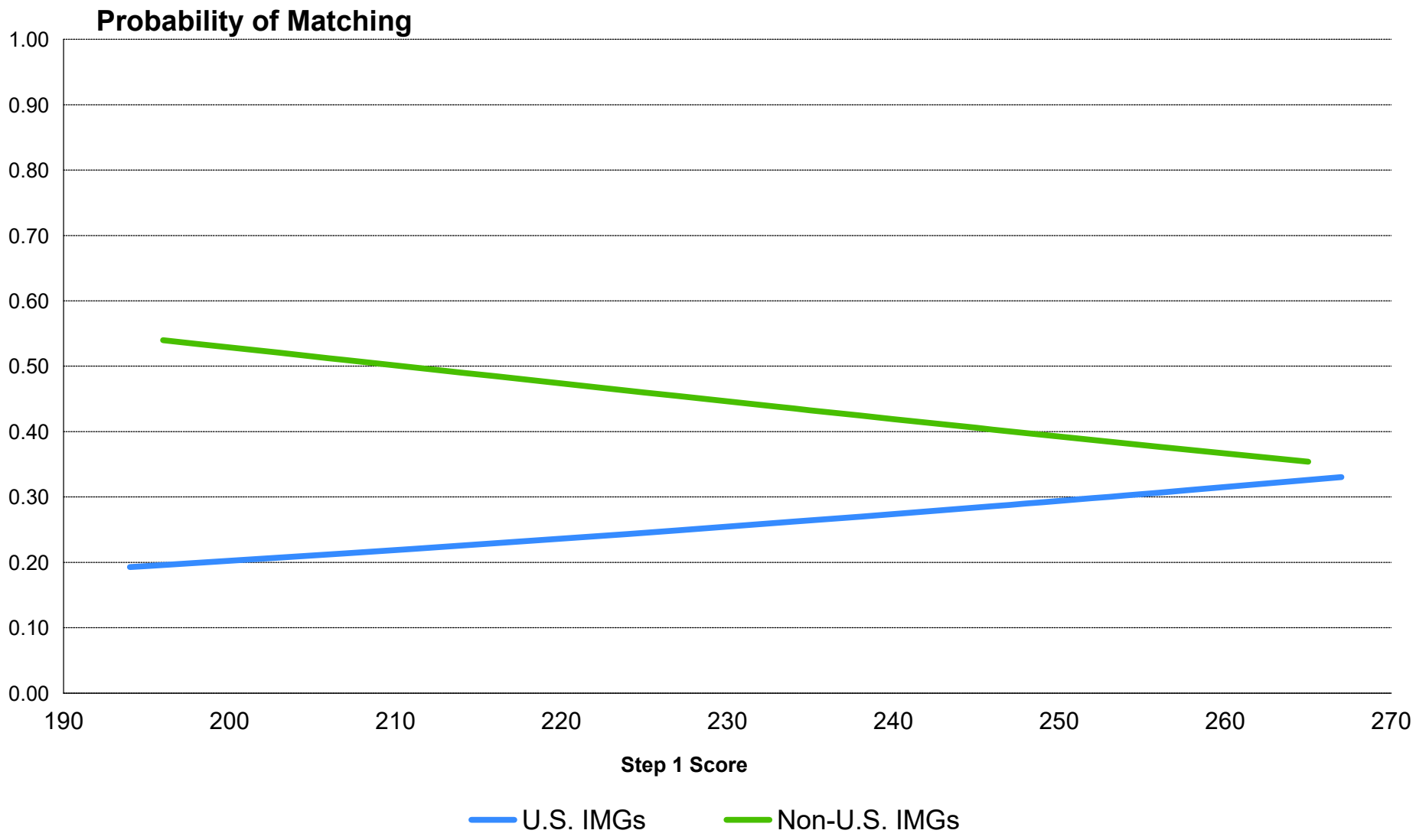
Graph PS-2

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

Plastic Surgery



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

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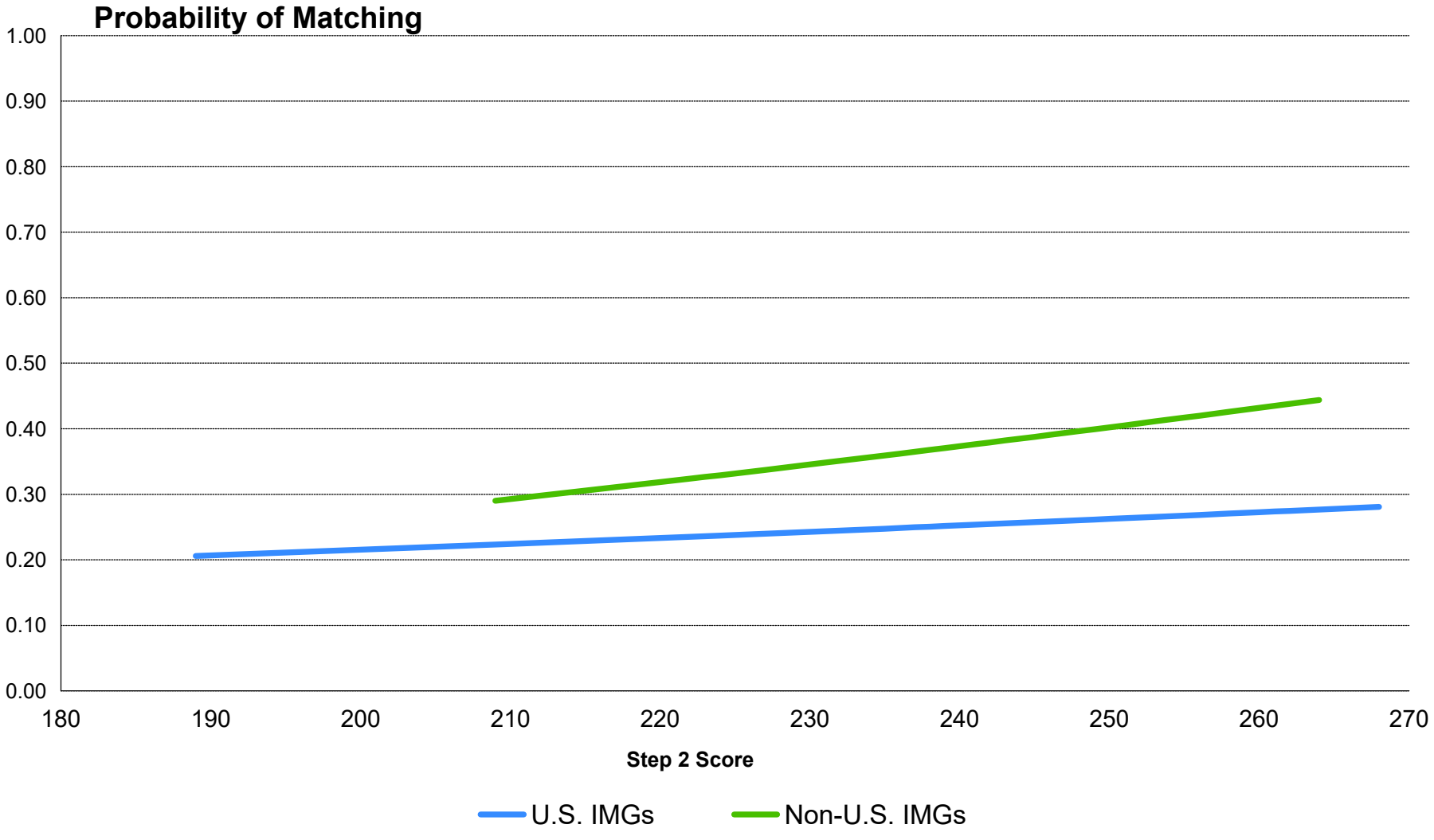
Graph PS-3

Probability of International Medical Graduates Matching to Preferred Specialty by USMLE Step 2 Score

Plastic Surgery



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

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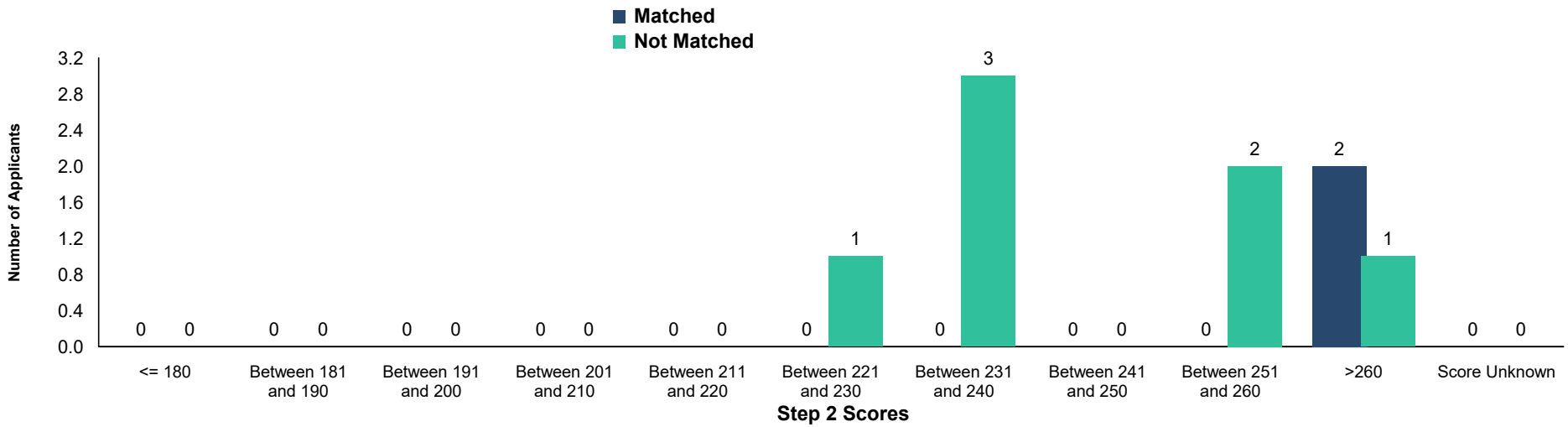
Chart PS-4

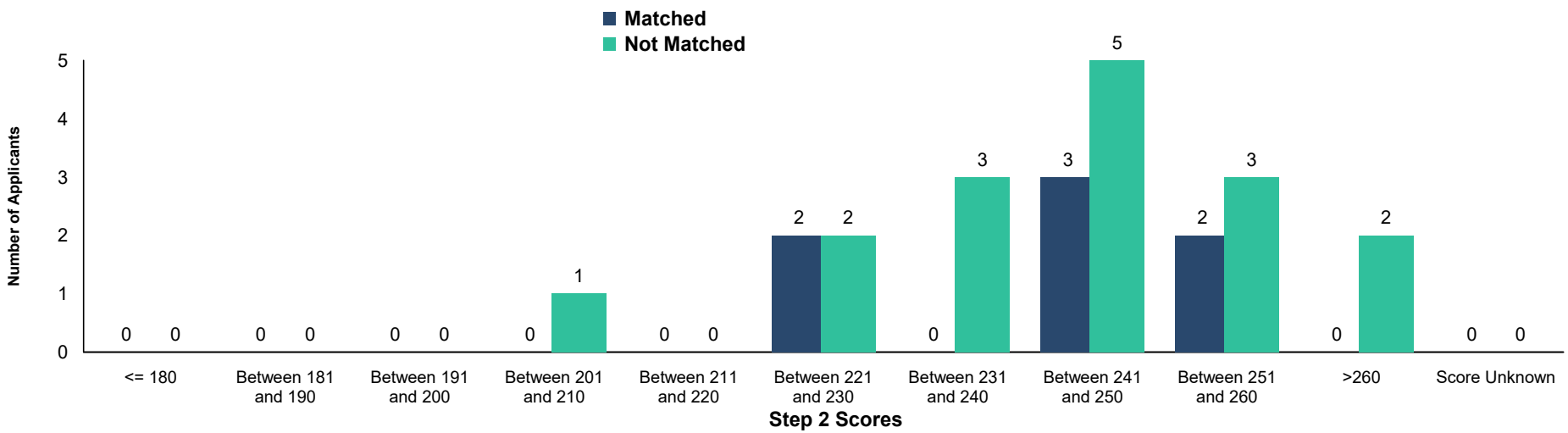
USMLE Step 2 CK Scores of International Medical Graduates

Plastic Surgery

U.S. IMGs



Non-U.S. IMGs



Source: NRMP Data Warehouse

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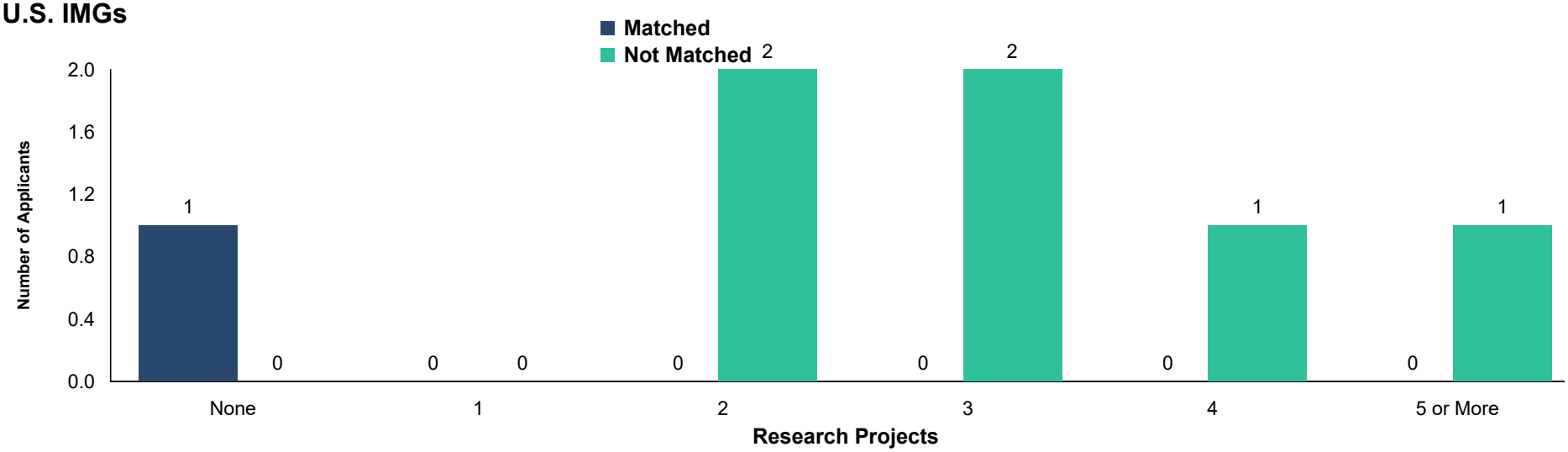
Chart PS-5

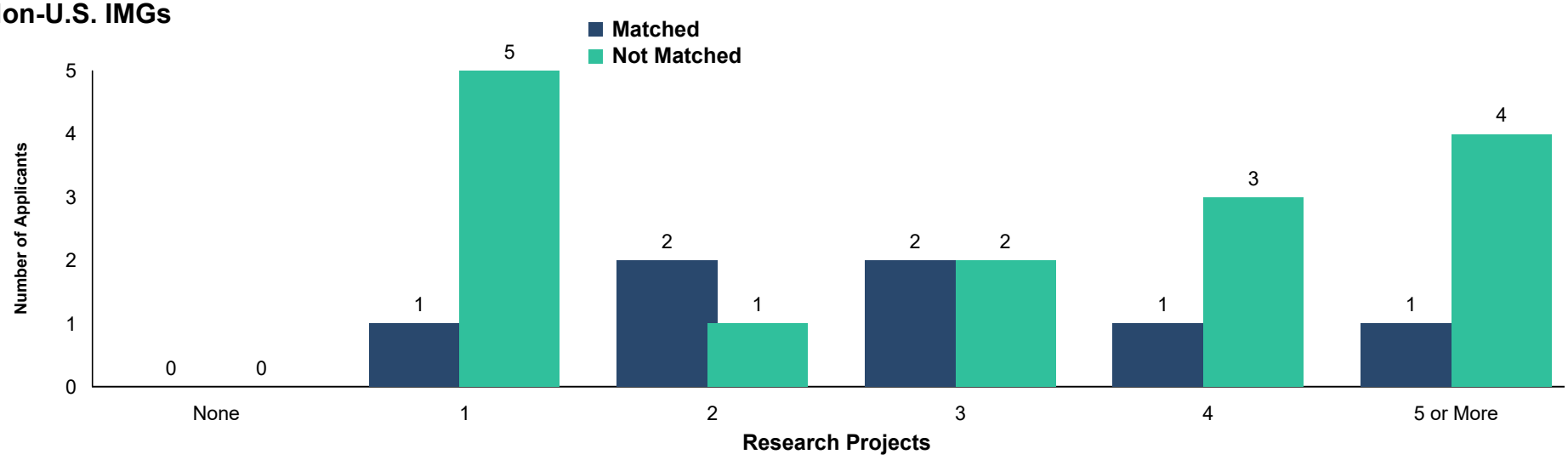
Number of Research Projects of International Medical Graduates

Plastic Surgery

U.S. IMGs



Non-U.S. IMGs



Source: NRMP Data Warehouse

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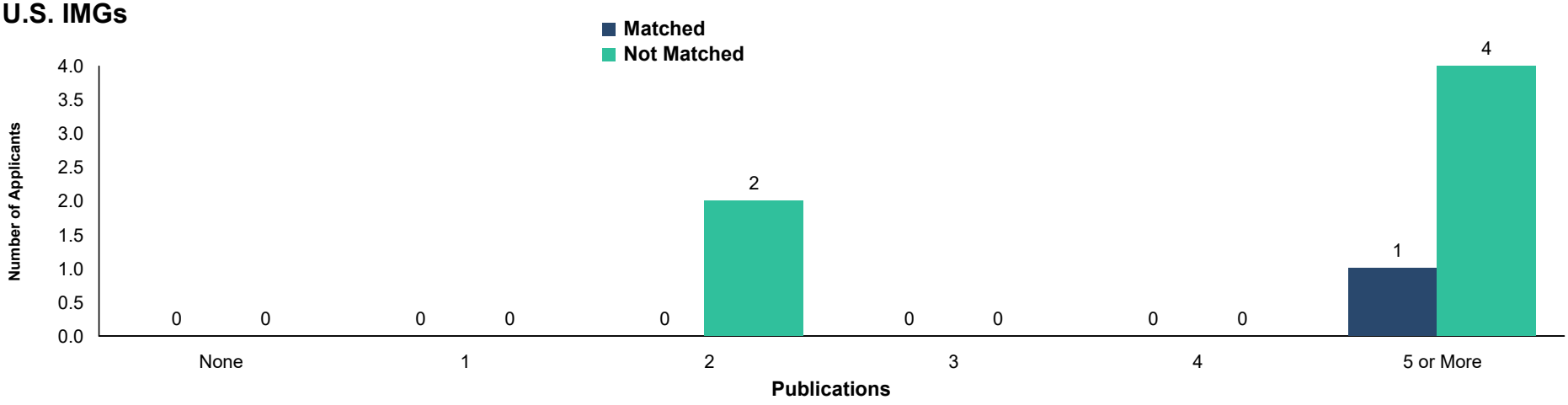
Chart PS-6

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

Plastic Surgery

U.S. IMGs



Non-U.S. IMGs

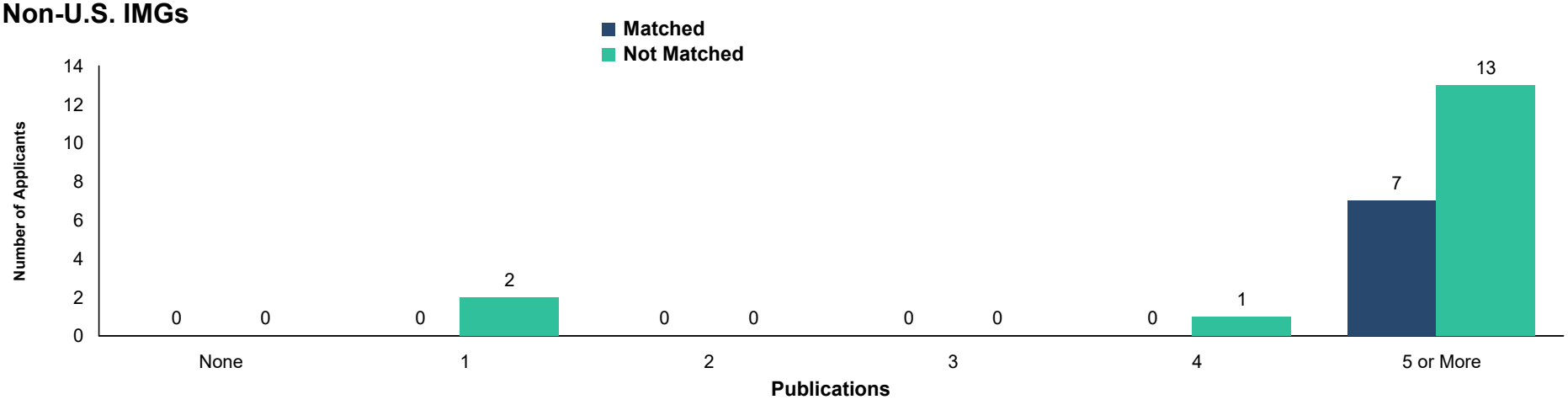


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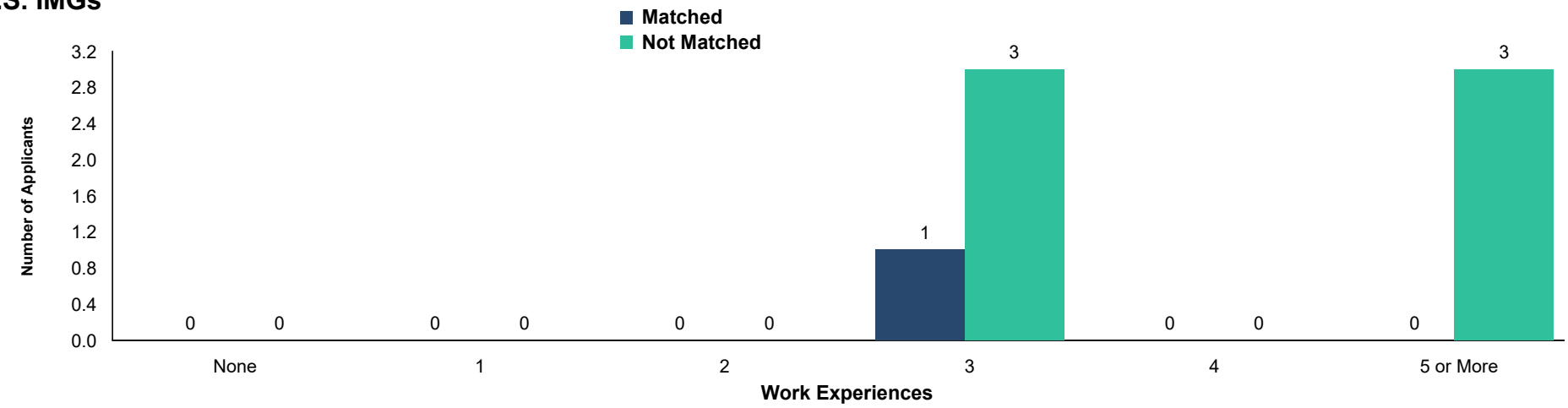
Chart PS-7

Number of Work Experiences of International Medical Graduates

Plastic Surgery

U.S. IMGs



Non-U.S. IMGs

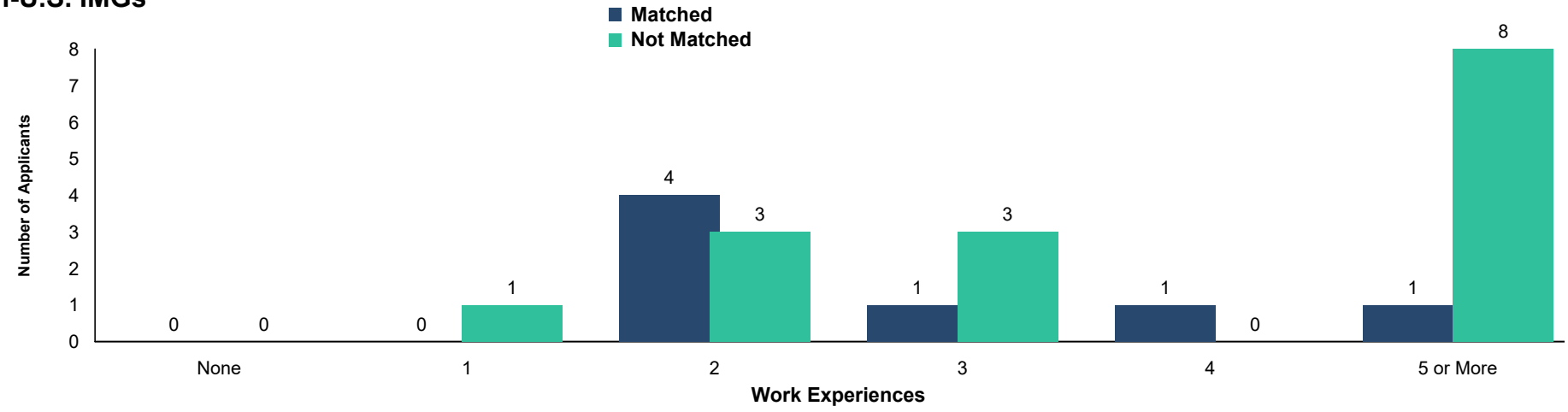


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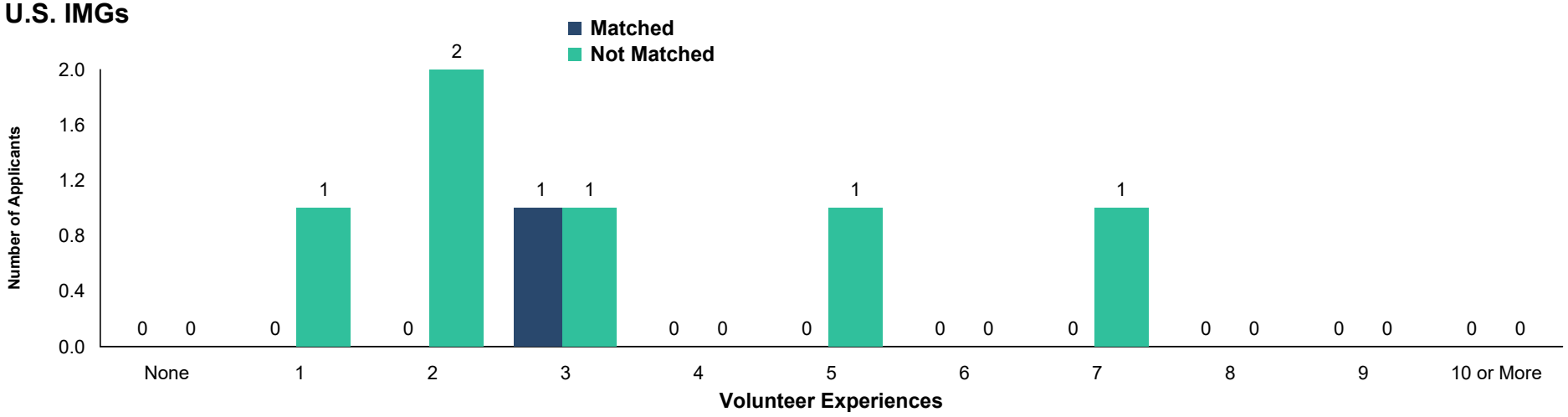
Chart PS-8

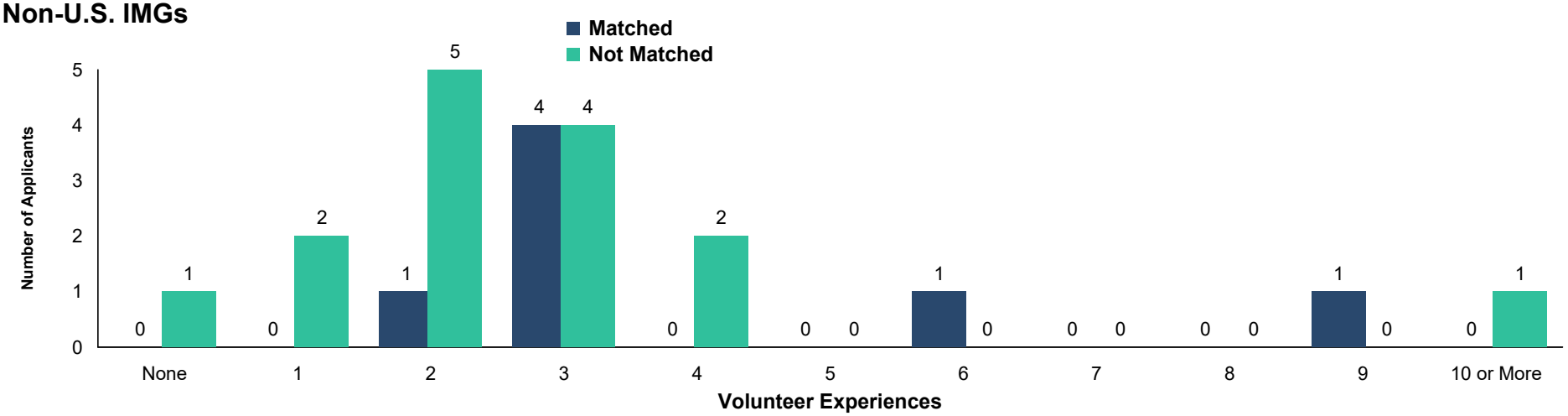
Number of Volunteer Experiences of International Medical Graduates

Plastic Surgery

U.S. IMGs



Non-U.S. IMGs



Source: NRMP Data Warehouse

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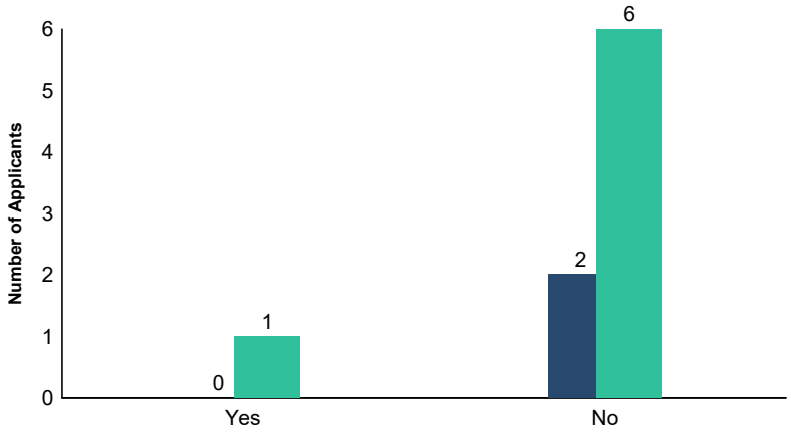
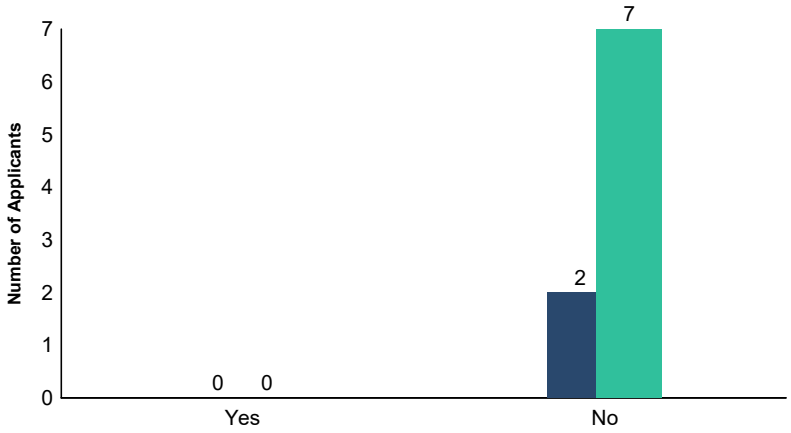
Chart PS-9 Other Characteristics of International Medical Graduates

Plastic Surgery

Ph.D. Degree

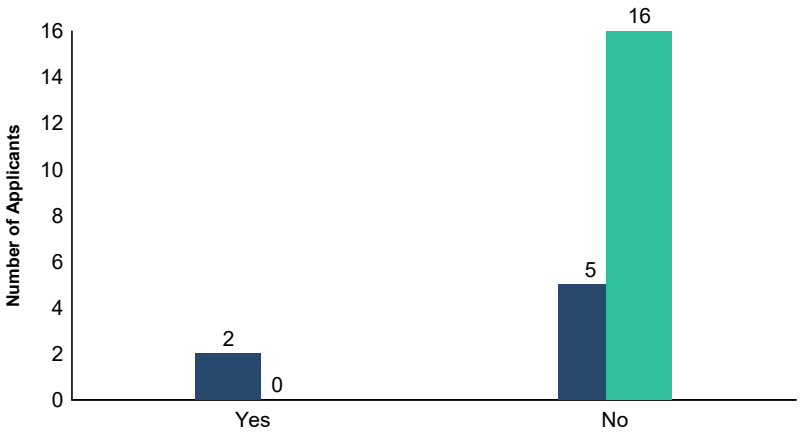


Other Graduate Degree

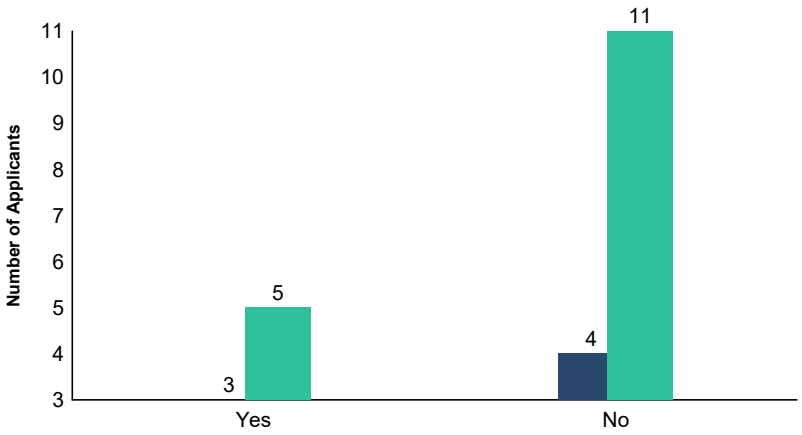


Non-U.S. IMGs

Ph.D. Degree



Other Graduate Degree



Source: NRMP Data Warehouse

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P Psychiatry

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Table P-1 Summary Statistics
Psychiatry

Measure	U.S. IMGs		Non-U.S. IMGs	
	Matched (n=132)	Unmatched (n=108)	Matched (n=135)	Unmatched (n=128)
1. Mean number of contiguous ranks	5.7	2.7	6.6	2.7
2. Mean number of distinct specialties ranked	1.5	1.6	1.3	1.4
3. Mean USMLE Step 1 score*	213	207	226	218
4. Mean USMLE Step 2 score	231	222	240	233
5. Mean number of research experiences	2.2	2.9	4.6	3.0
6. Mean number of abstracts, presentations, and publications	3.4	3.6	8.0	6.6
7. Mean number of work experiences	3.2	4.3	4.0	4.3
8. Mean number of volunteer experiences	3.9	3.4	2.8	3.9
9. Percentage who have a Ph.D. degree	0.8	3.3	1.6	4.3
10. Percentage who have another graduate degree	26.6	41.1	25.2	21.2

Note: * Only applicants who gave consent to use their information in research are included.
*Only applicants who indicated completion of the USMLE Step 1 exam prior to the transition to pass/fail (i.e., prior to January 26, 2022) had the option to self-report their Step 1 numeric score. In 2024, 6,845 IMGs (2,248 U.S. IMGs and 4,597 non-U.S. IMGs) self-reported Step 1 numeric scores.
Source. NRMP Data Warehouse

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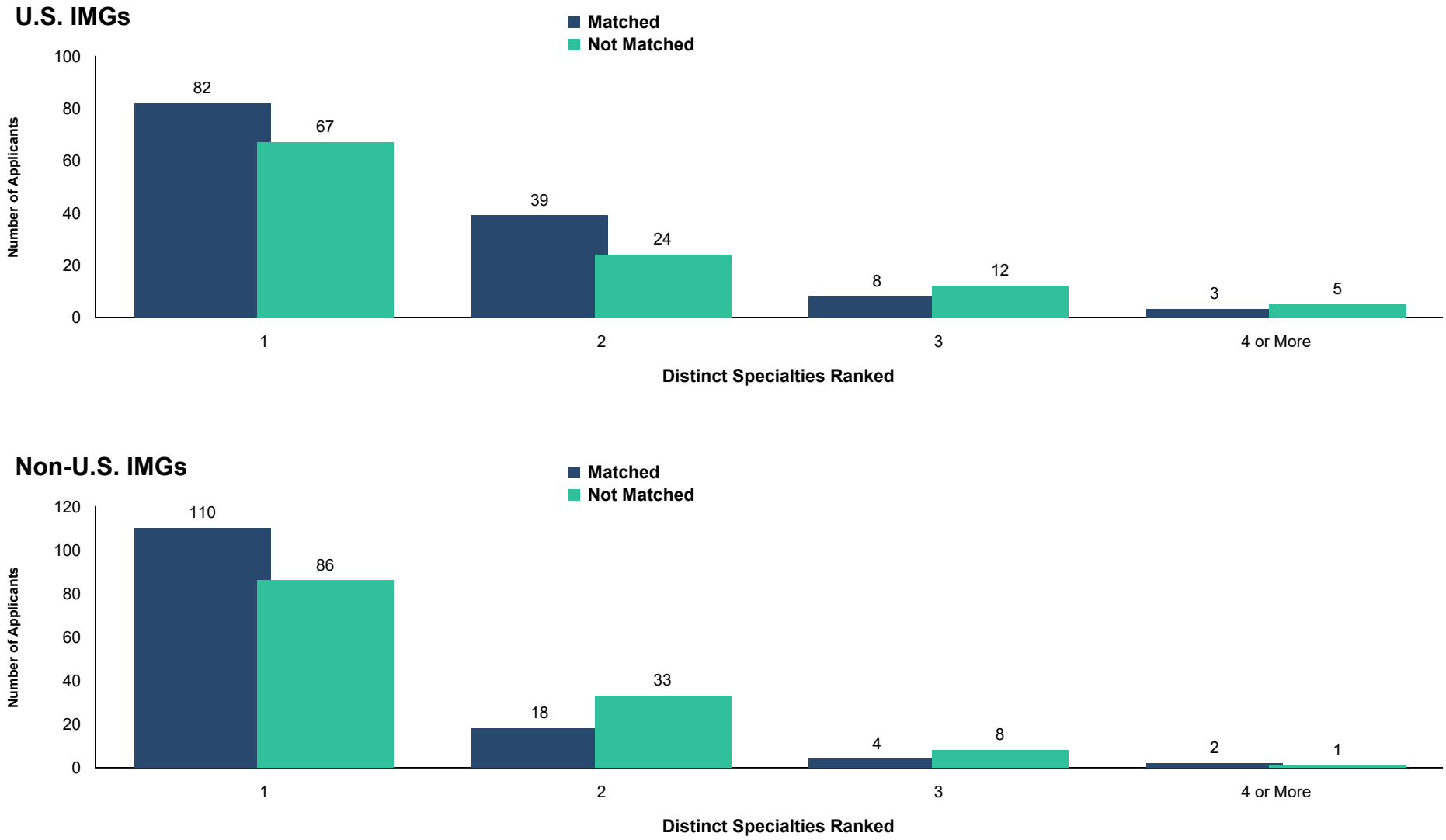
Chart P-1 Number of Distinct Specialties Ranked by International Medical Graduates Psychiatry



Source: NRMP Data Warehouse

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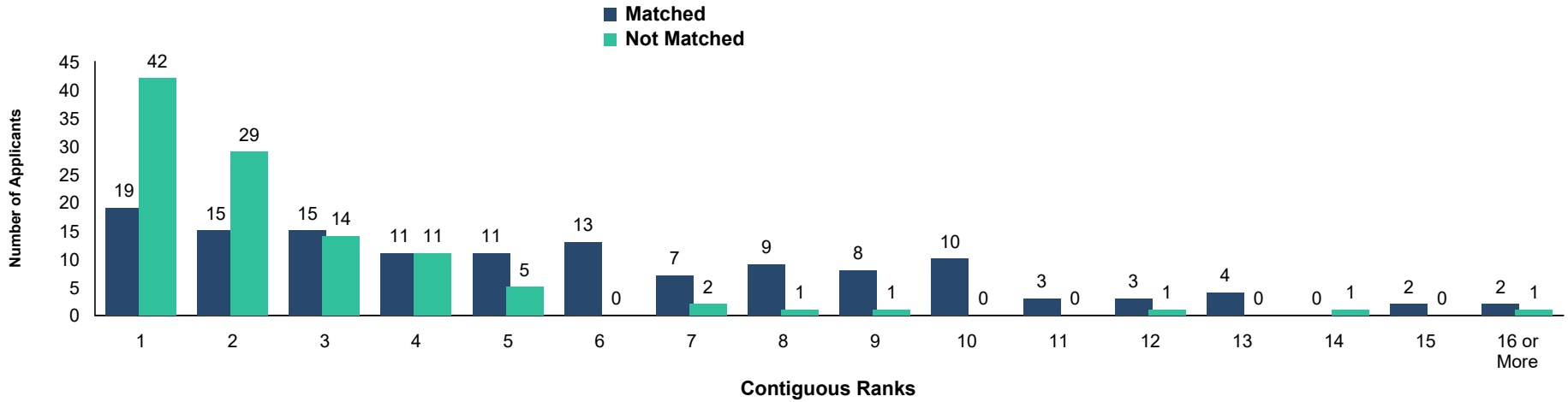
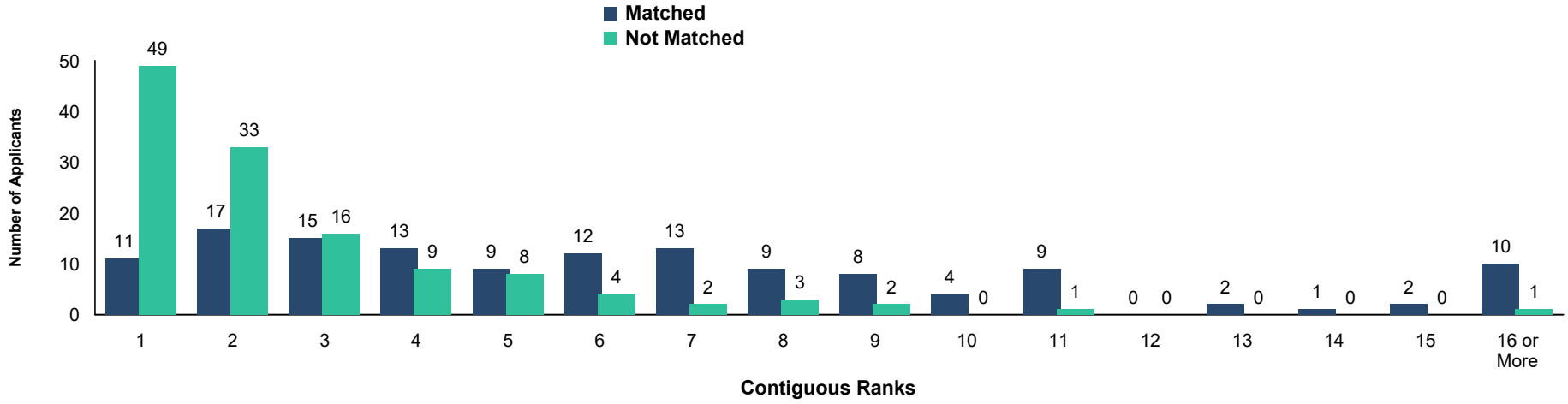
Chart P-2 Number of Contiguous Ranks of International Medical Graduates Psychiatry

U.S. IMGs



Non-U.S. IMGs



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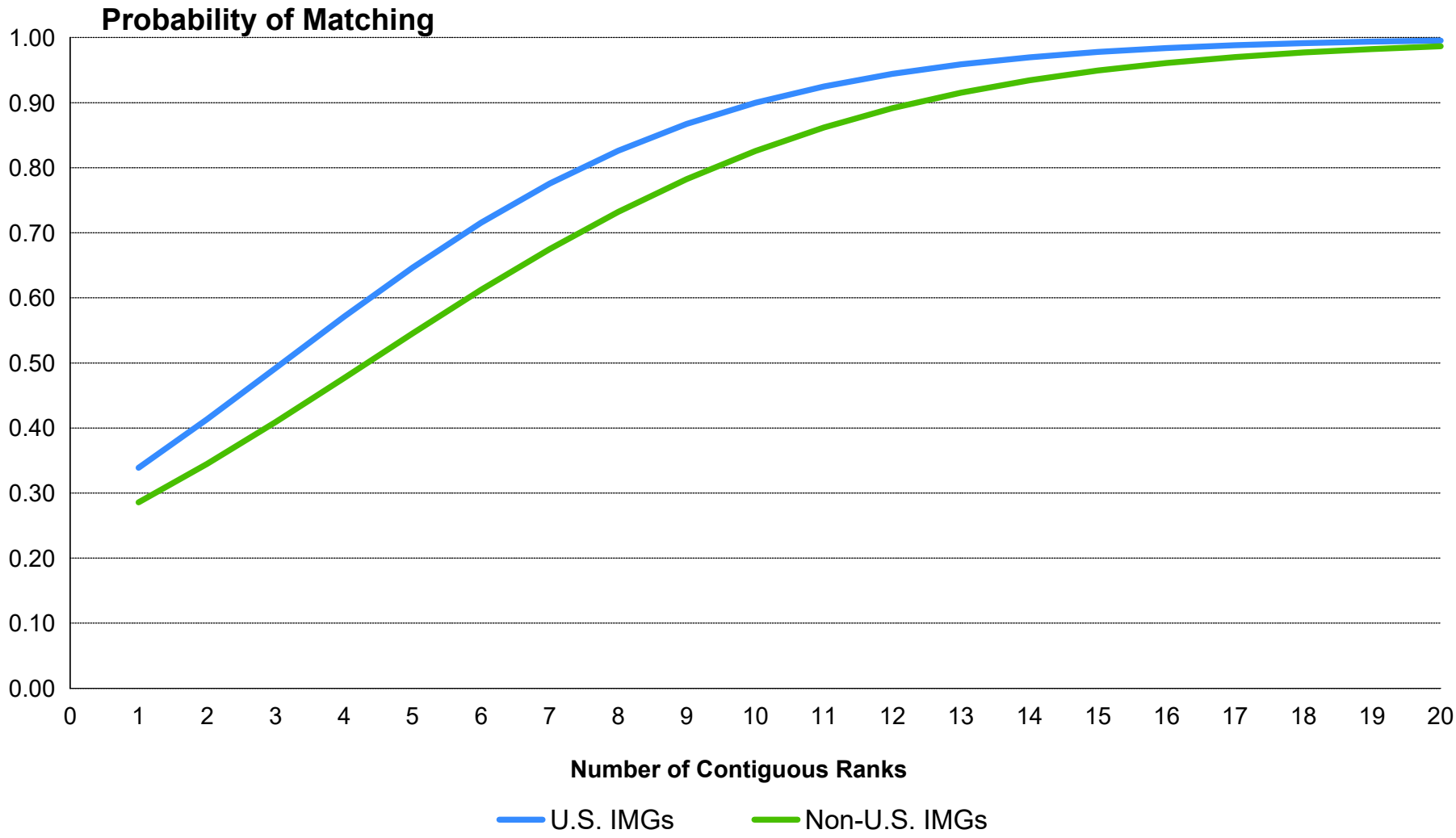
Graph P-1

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

Psychiatry



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

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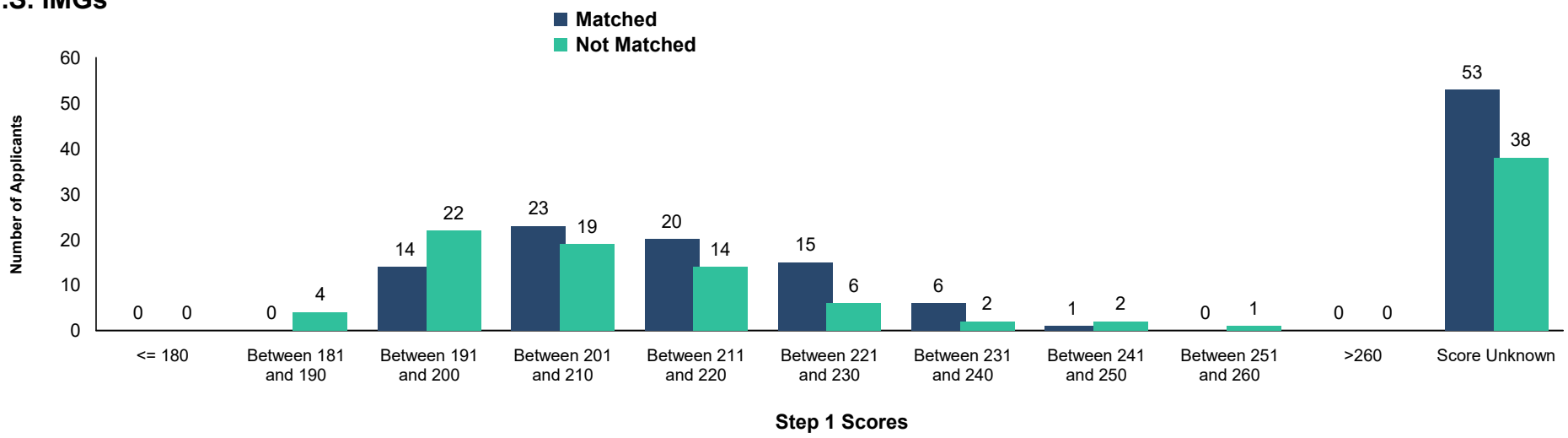
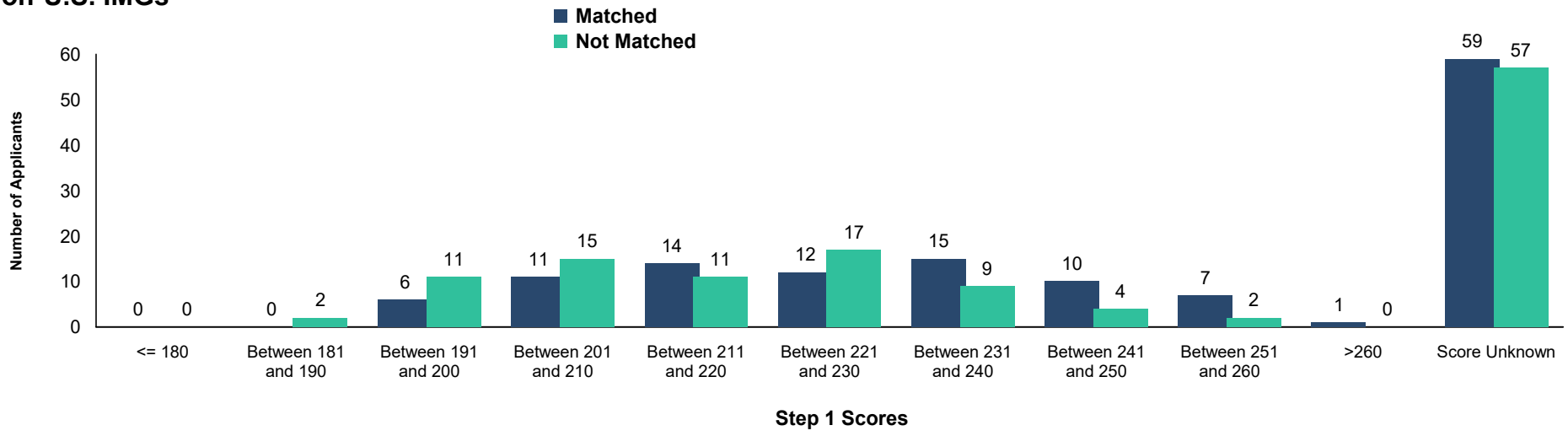
Chart P-3 USMLE Step 1 Scores of International Medical Graduates

Psychiatry

U.S. IMGs



Non-U.S. IMGs



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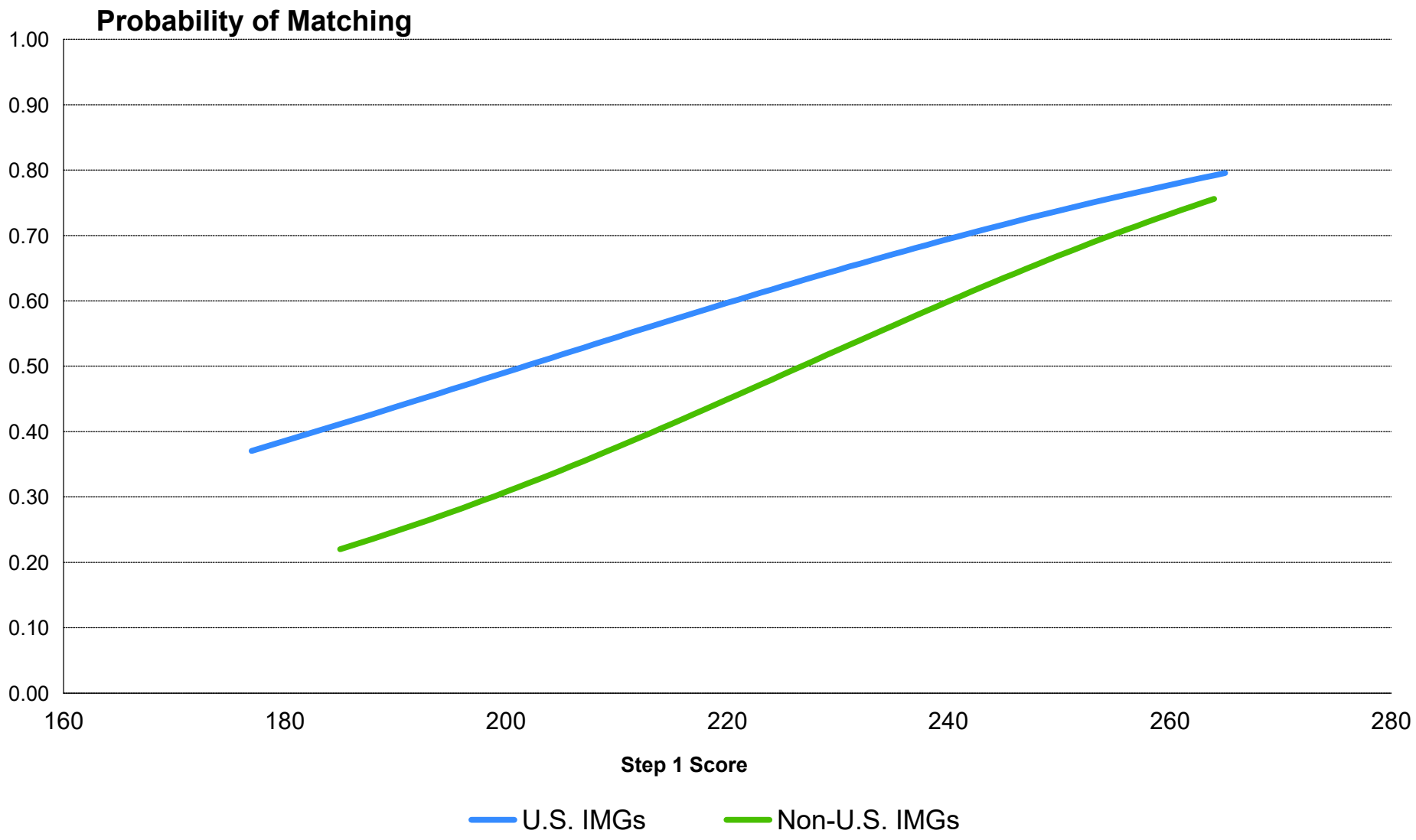
Graph P-2

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

Psychiatry



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

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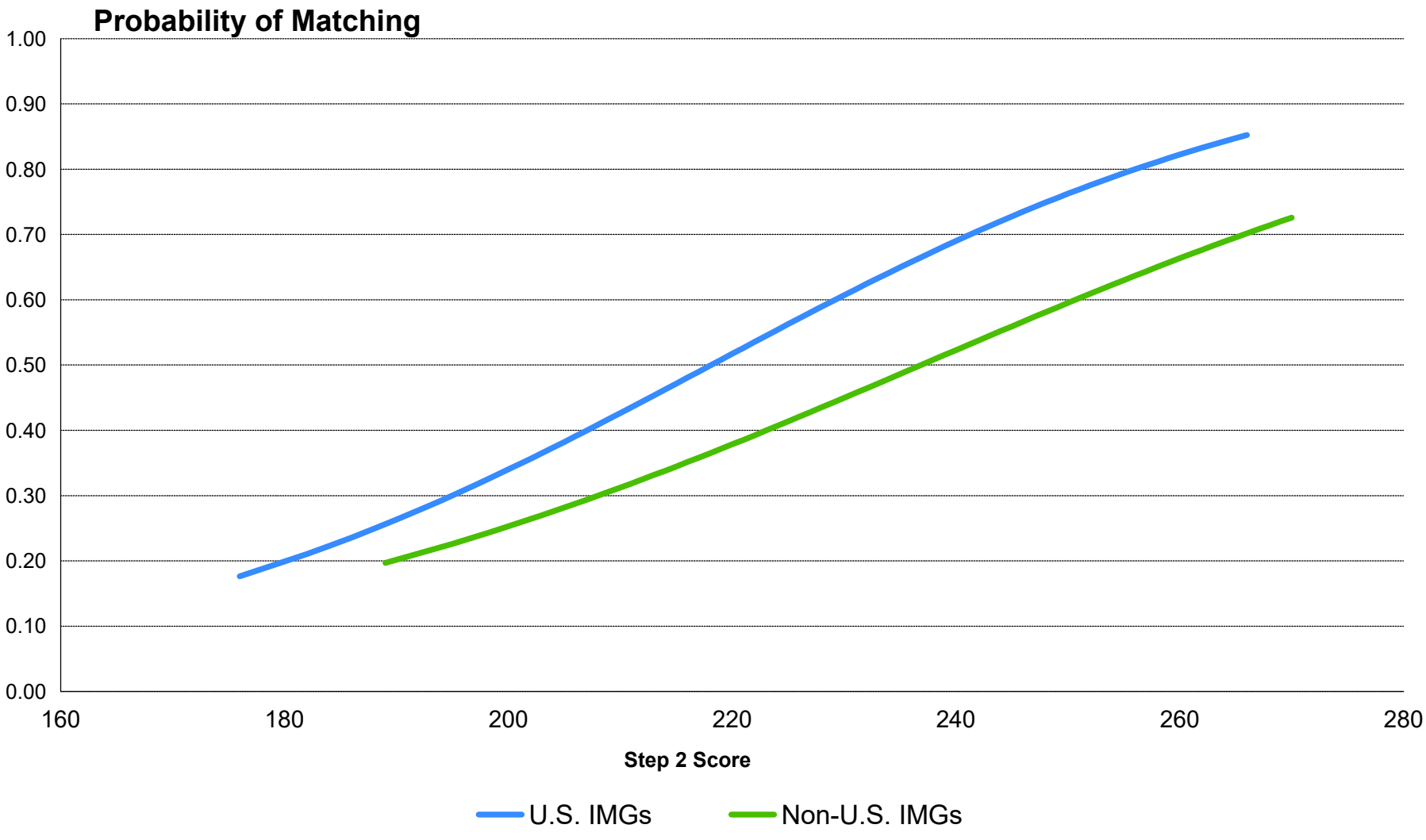
Graph P-3

Probability of International Medical Graduates Matching to Preferred Specialty by USMLE Step 2 Score

Psychiatry



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

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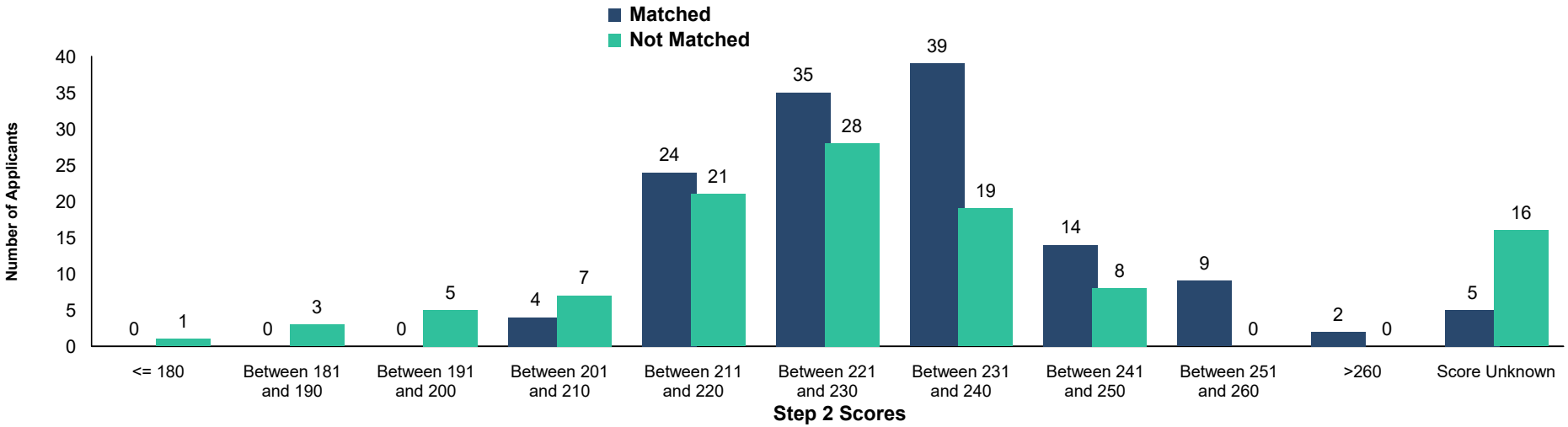
Chart P-4

USMLE Step 2 CK Scores of International Medical Graduates

Psychiatry

U.S. IMGs



Non-U.S. IMGs

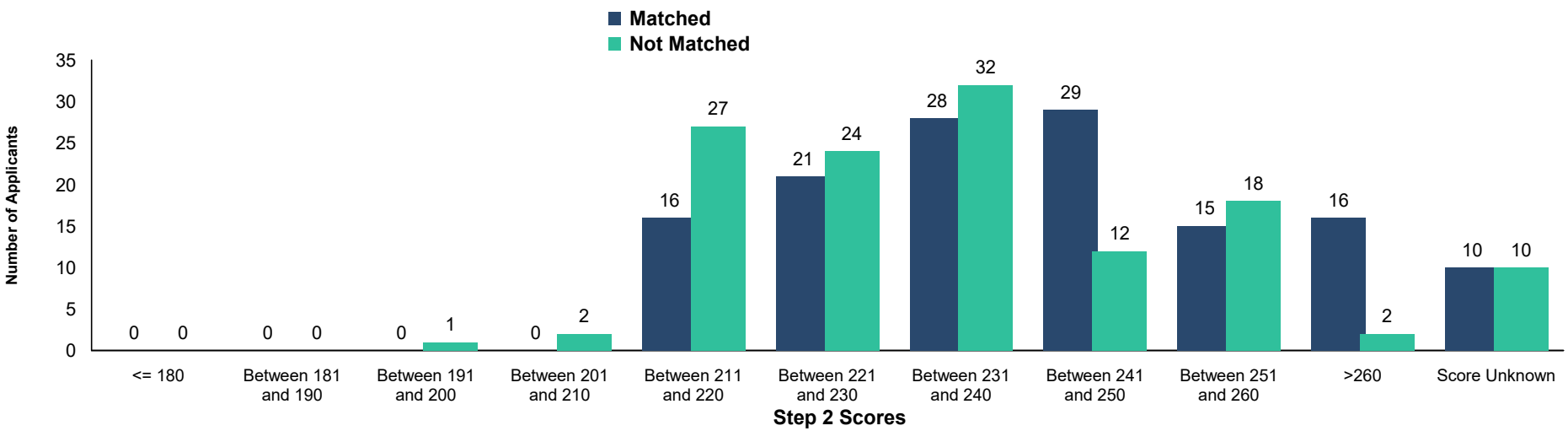


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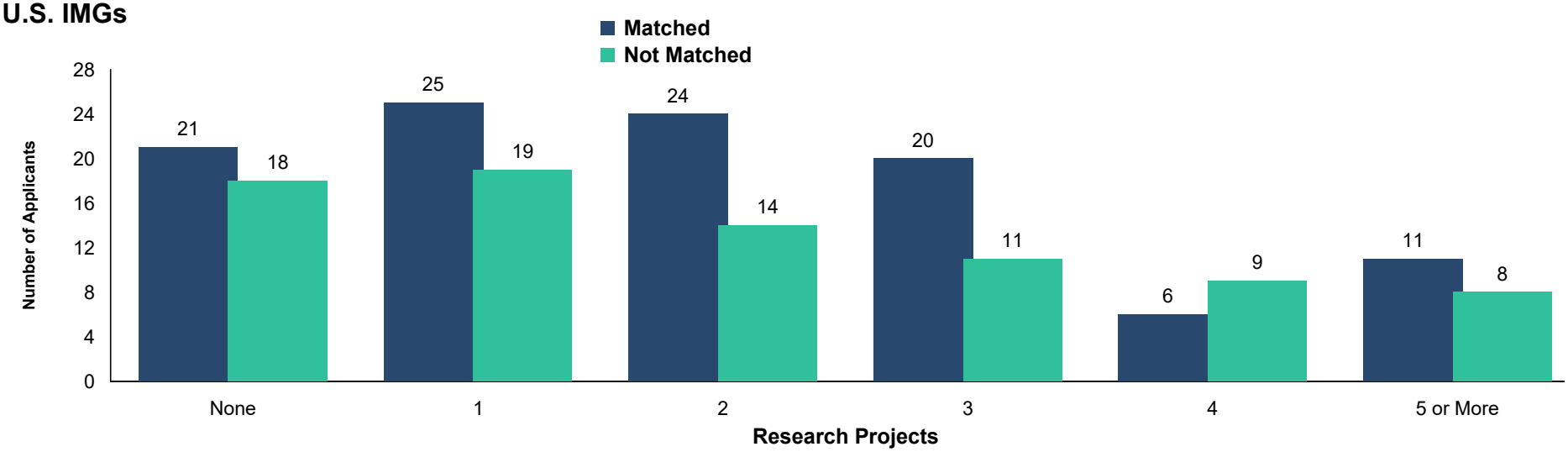
Chart P-5

Number of Research Projects of International Medical Graduates

Psychiatry

U.S. IMGs



Non-U.S. IMGs

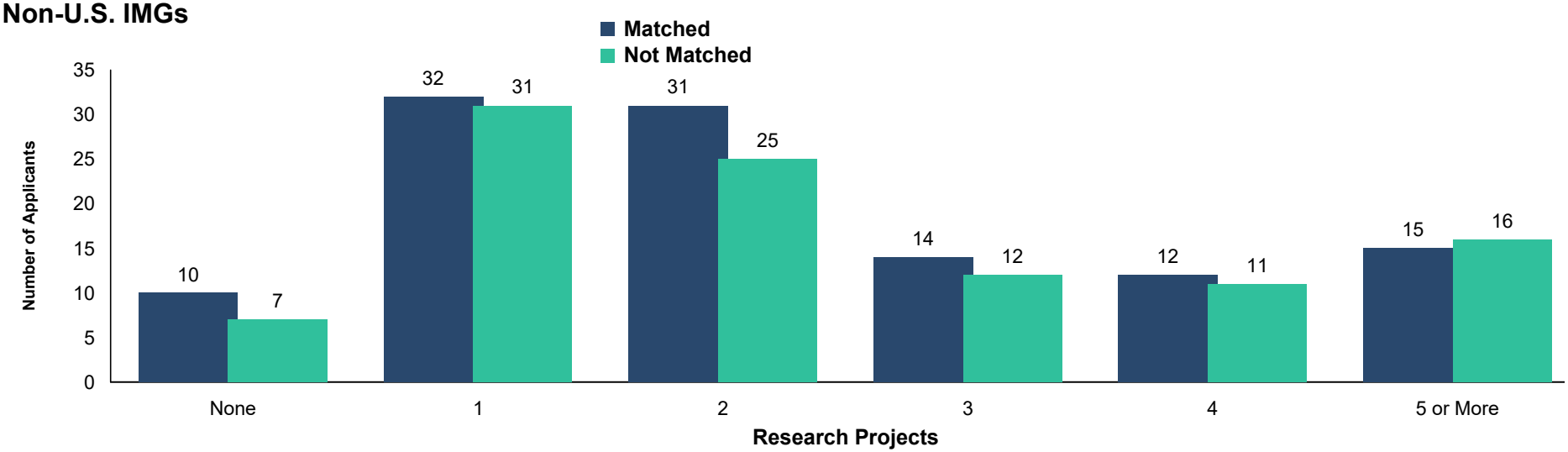


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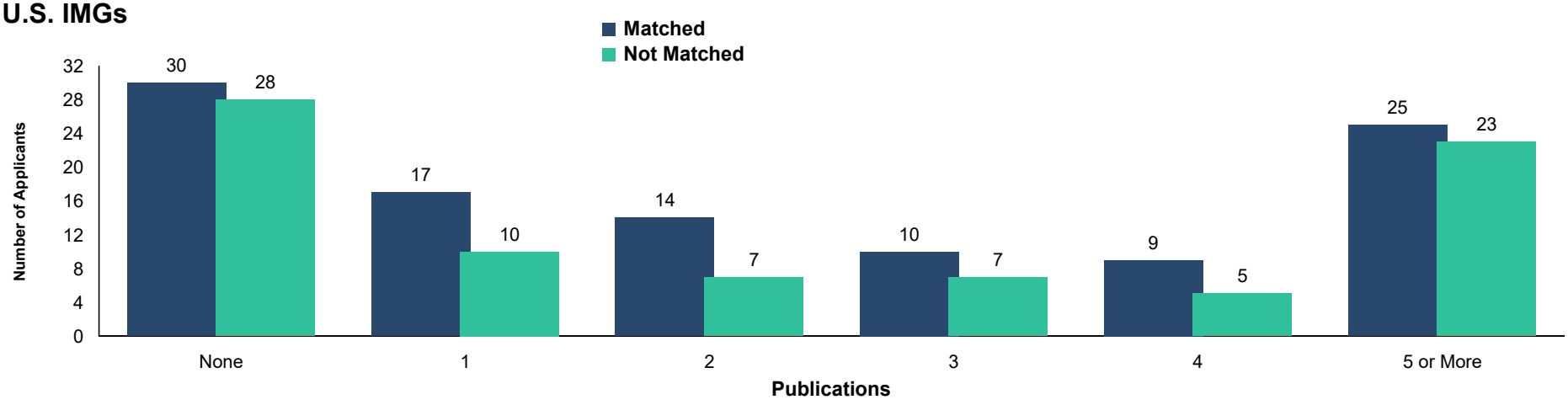
Chart P-6

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

Psychiatry

U.S. IMGs



Non-U.S. IMGs

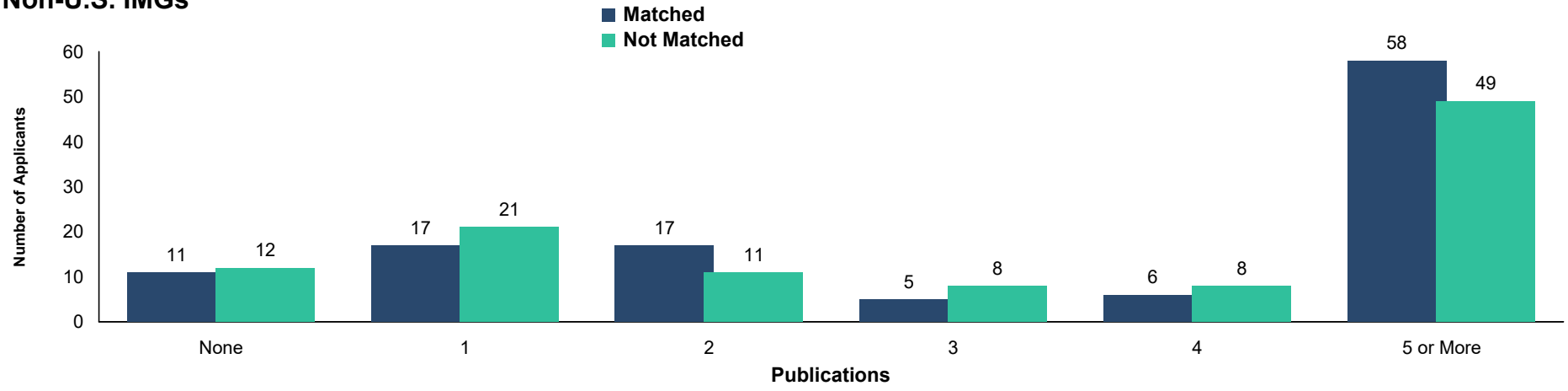


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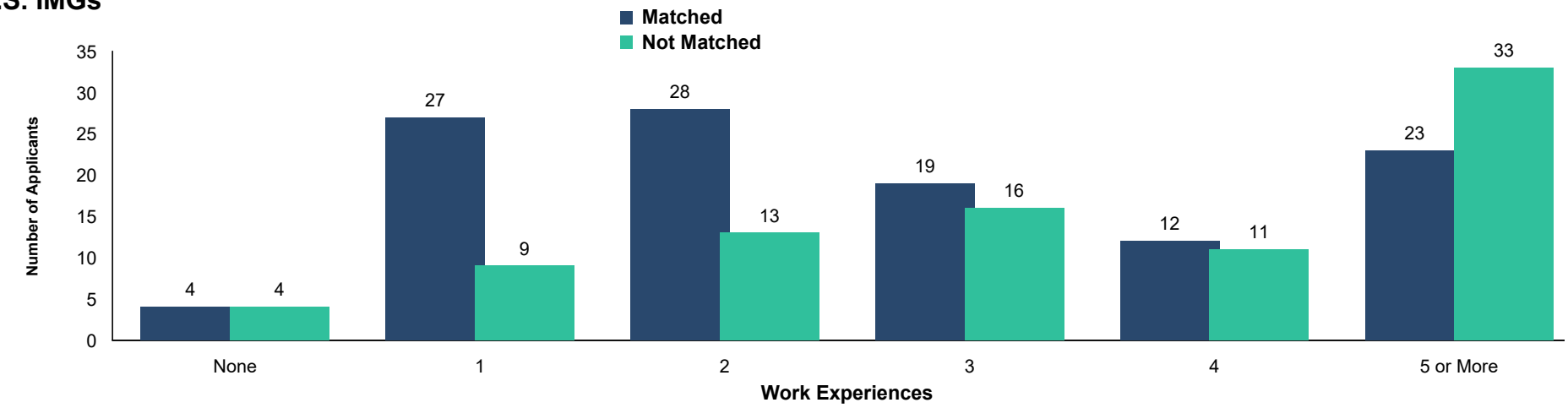
Chart P-7

Number of Work Experiences of International Medical Graduates

Psychiatry

U.S. IMGs



Non-U.S. IMGs

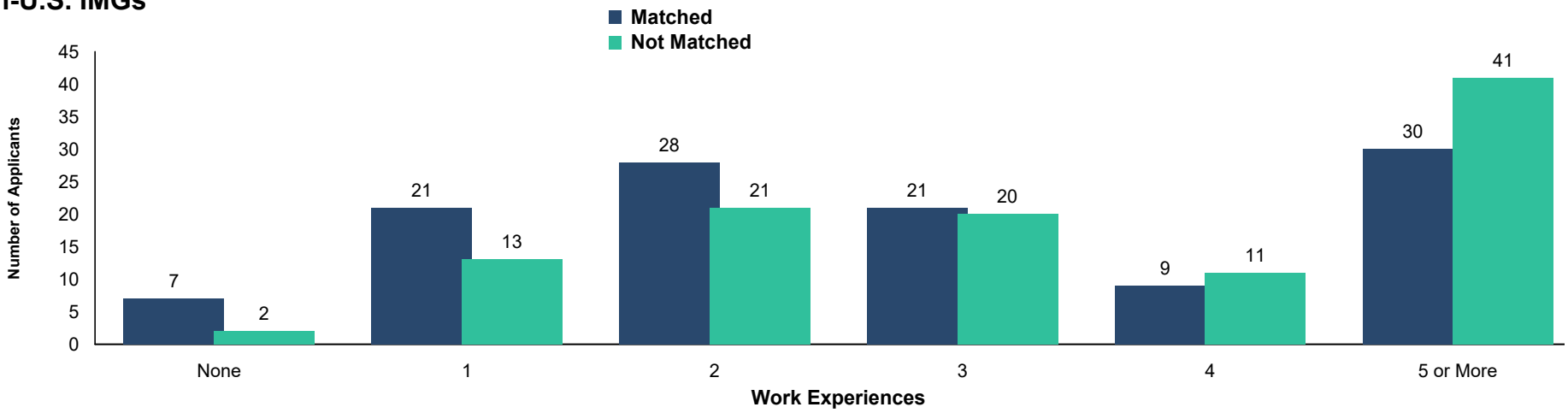


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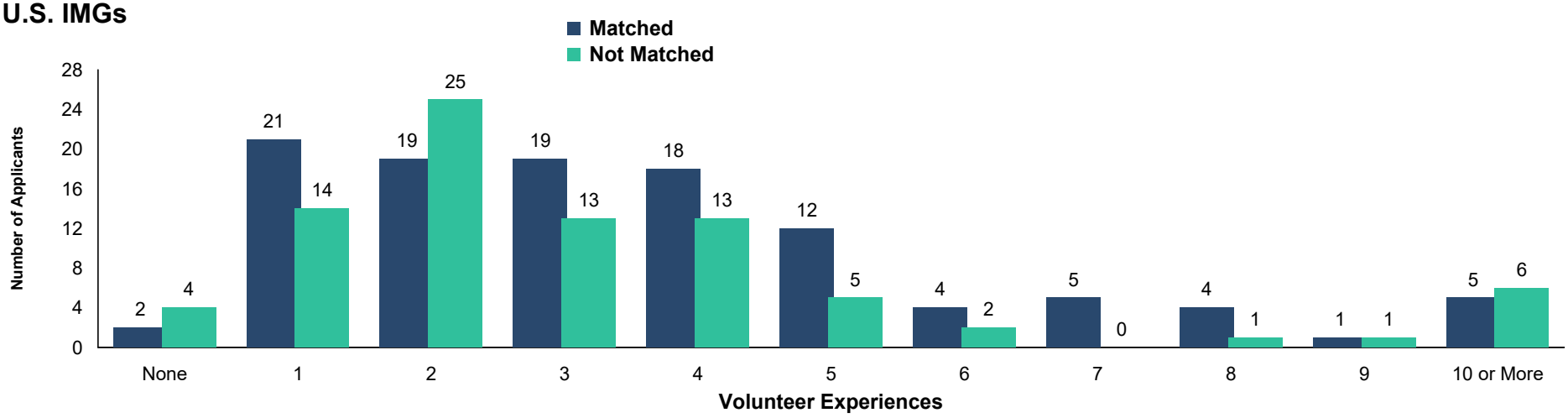
Chart P-8 Number of Volunteer Experiences of International Medical Graduates

Psychiatry

U.S. IMGs



Non-U.S. IMGs

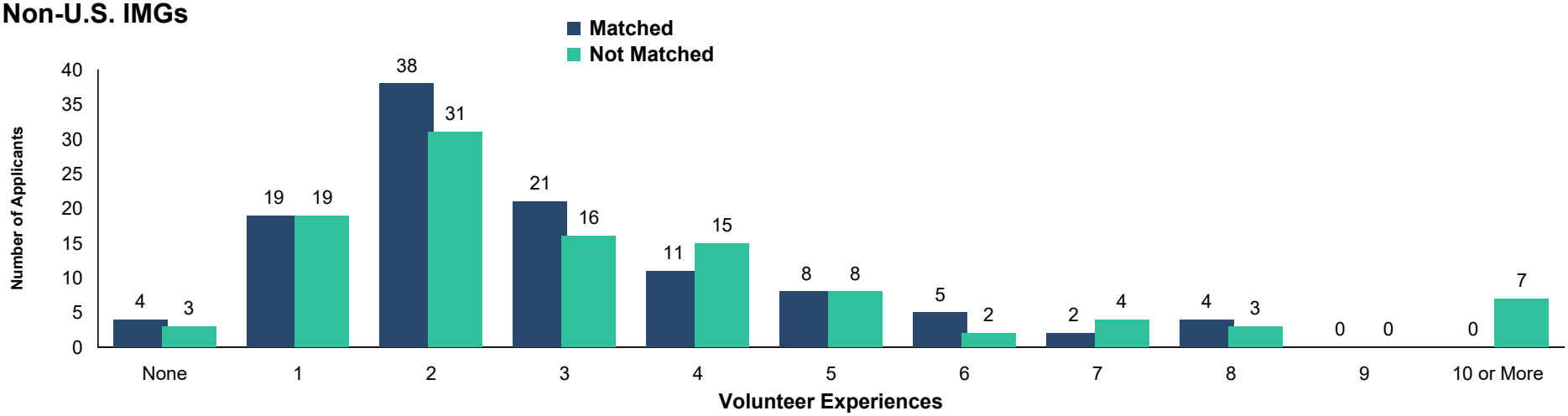


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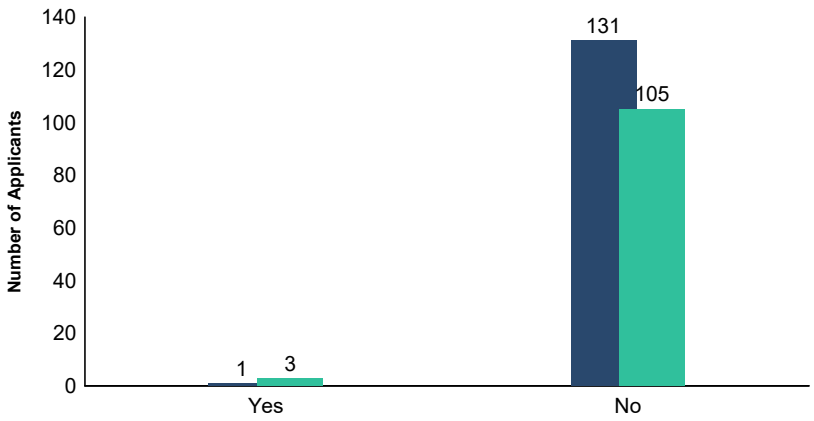
Chart P-9 Other Characteristics of International Medical Graduates

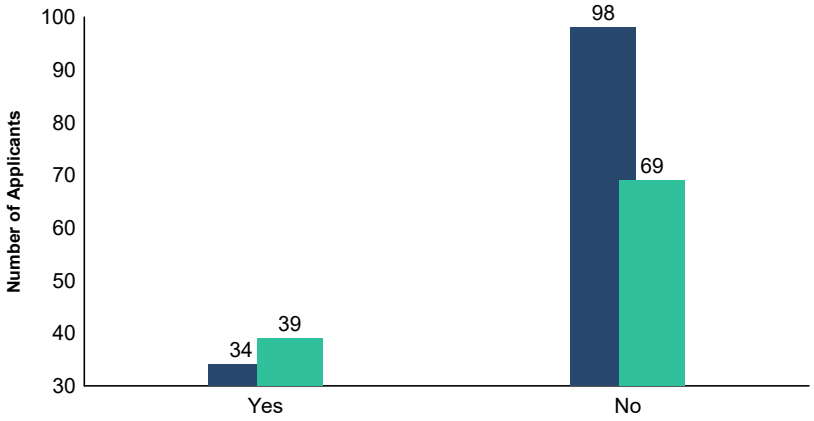
Psychiatry

U.S. IMGs

Ph.D. Degree

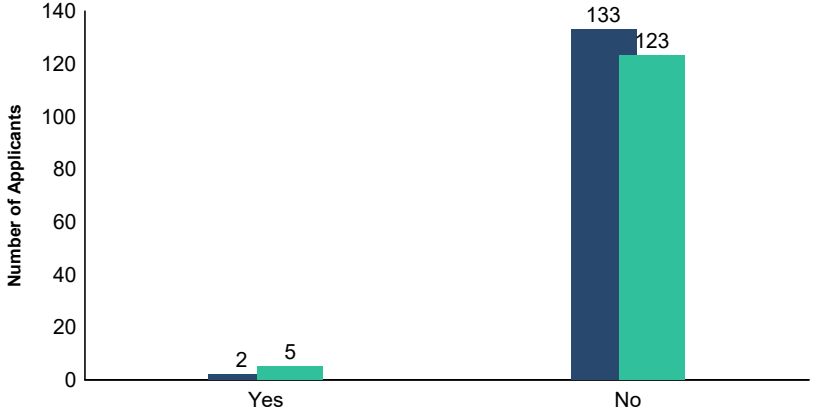


Other Graduate Degree

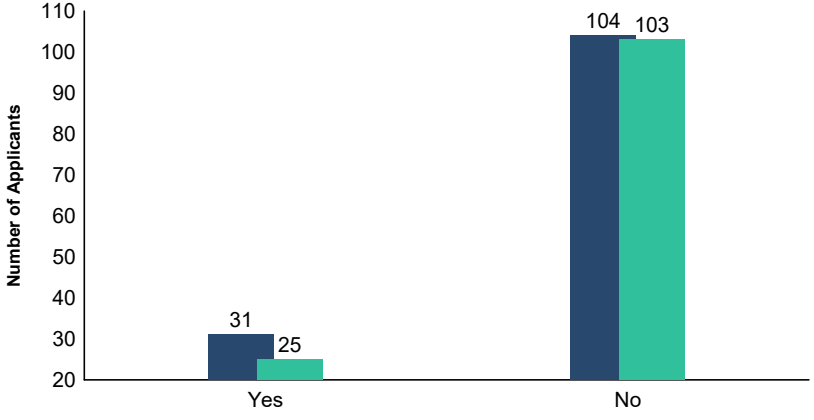


Non-U.S. IMGs

Ph.D. Degree



Other Graduate Degree



Source: NRMP Data Warehouse

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RO Radiation Oncology

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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=17)	Unmatched (n=12)
1. Mean number of contiguous ranks		16.8	3.3
2. Mean number of distinct specialties ranked		1.4	1.5
3. Mean USMLE Step 1 score*		244	222
4. Mean USMLE Step 2 score		246	223
5. Mean number of research experiences		3.3	3.8
6. Mean number of abstracts, presentations, and publications		24.2	11.8
7. Mean number of work experiences		4.1	5.8
8. Mean number of volunteer experiences		2.7	2.8
9. Percentage who have a Ph.D. degree		23.5	8.3
10. Percentage who have another graduate degree		41.2	66.7

Note: * Only applicants who gave consent to use their information in research are included.
*Only applicants who indicated completion of the USMLE Step 1 exam prior to the transition to pass/fail (i.e., prior to January 26, 2022) had the option to self-report their Step 1 numeric score. In 2024, 6,845 IMGs (2,248 U.S. IMGs and 4,597 non-U.S. IMGs) self-reported Step 1 numeric scores.
Source. NRMP Data Warehouse

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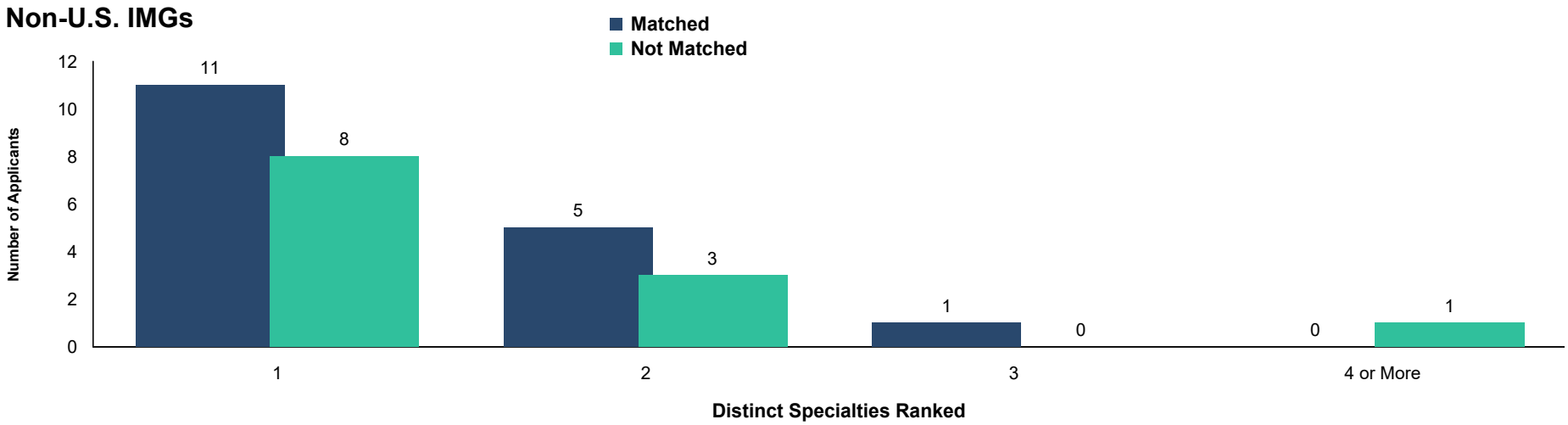
Chart RO-1 Number of Distinct Specialties Ranked by International Medical Graduates Radiation Oncology



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

Source: NRMP Data Warehouse

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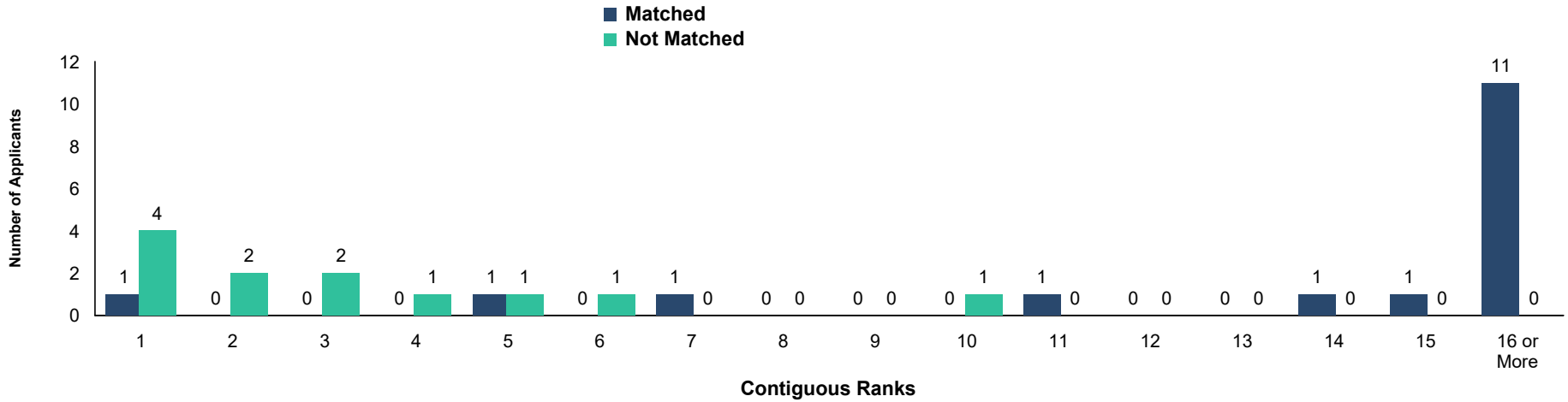
Chart RO-2 Number of Contiguous Ranks of International Medical Graduates Radiation Oncology

Non-U.S. IMGs



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

Source: NRMP Data Warehouse

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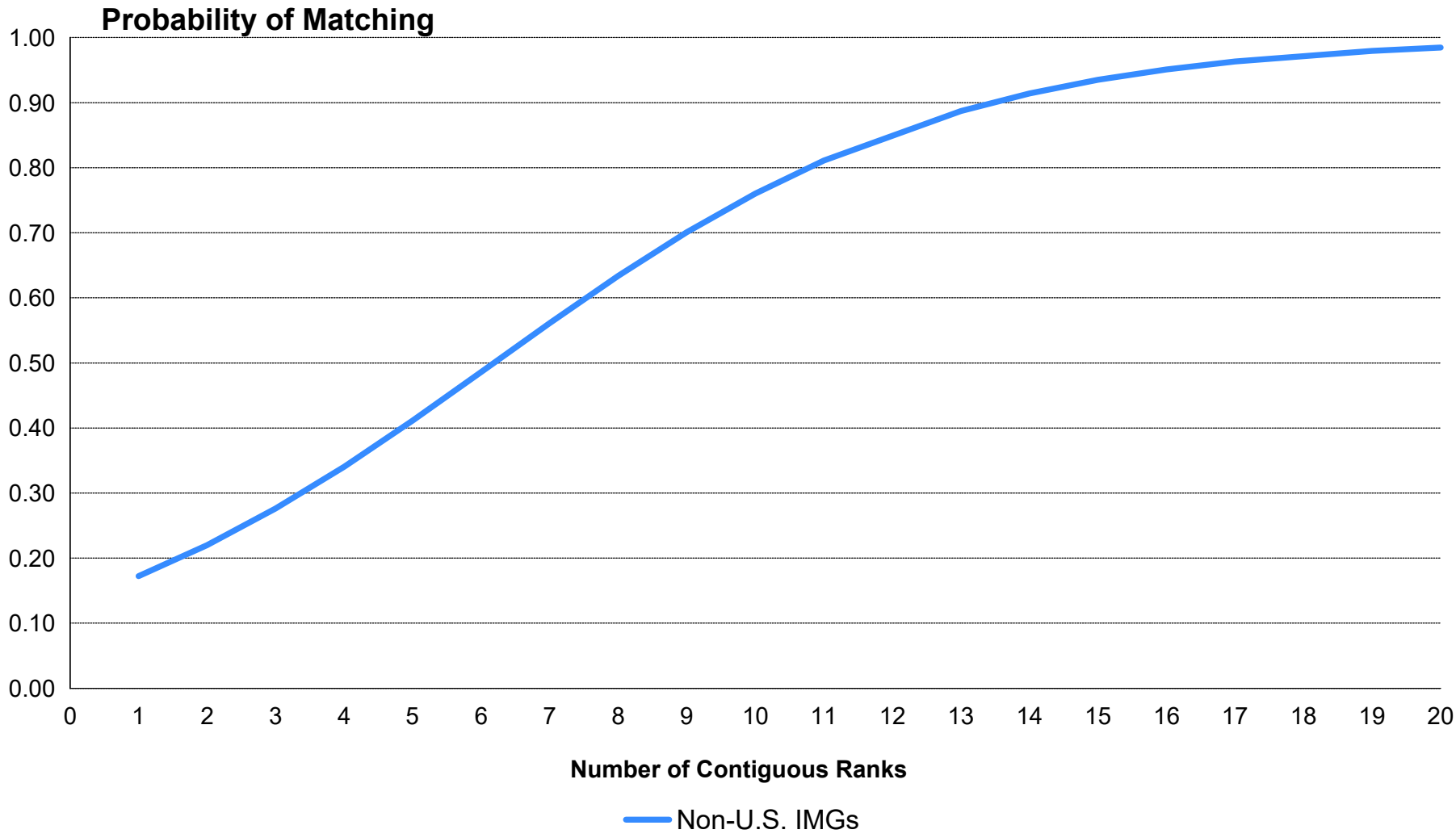
Graph RO-1

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 2022-2024 applicants

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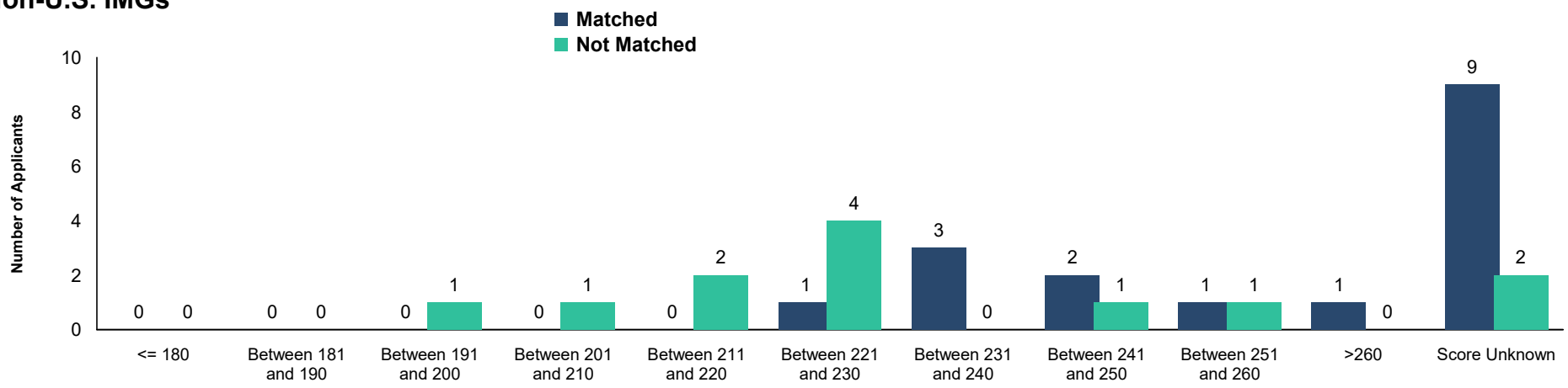
Chart RO-3

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.

Source: NRMP Data Warehouse

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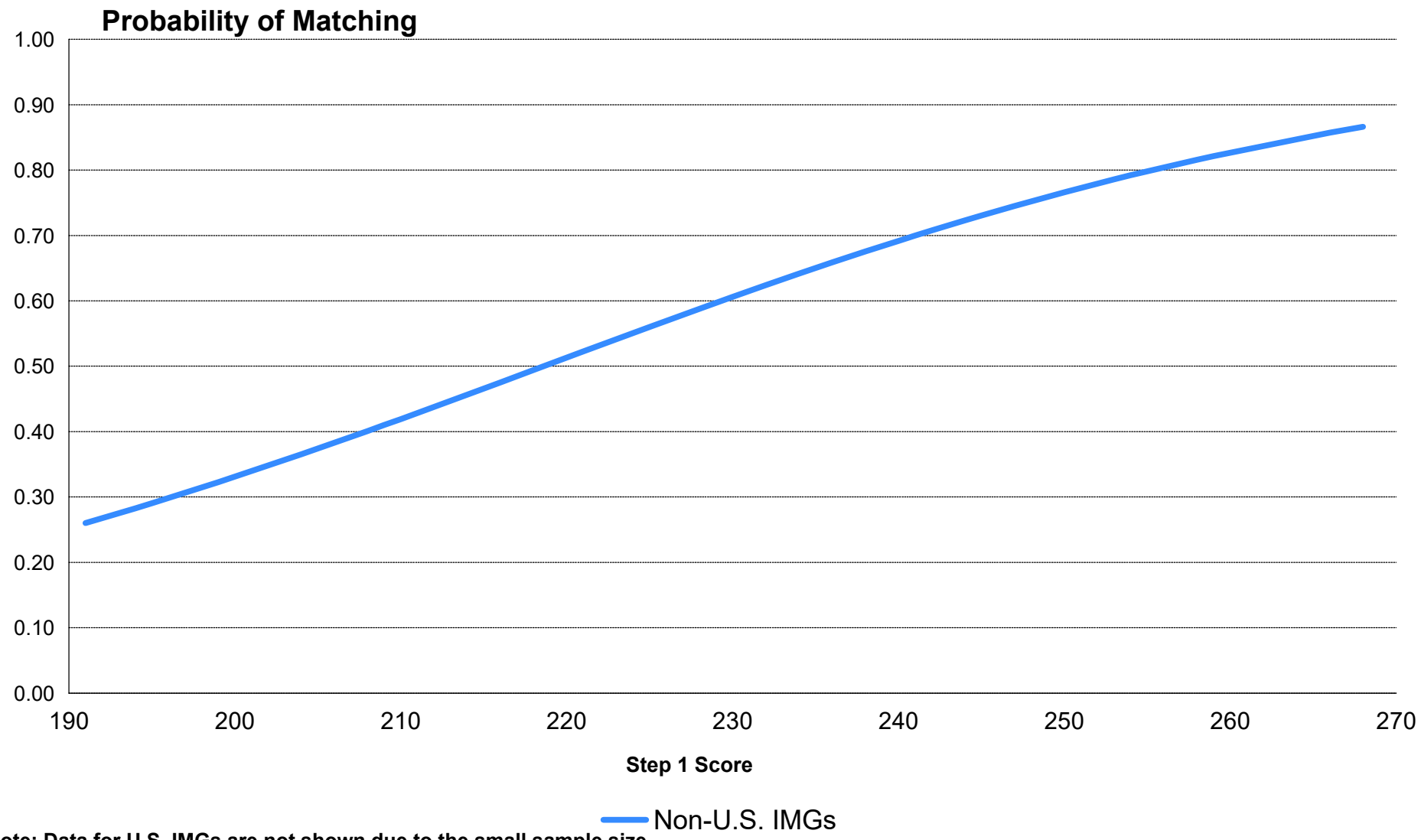
Graph RO-2

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 2022-2024 applicants.

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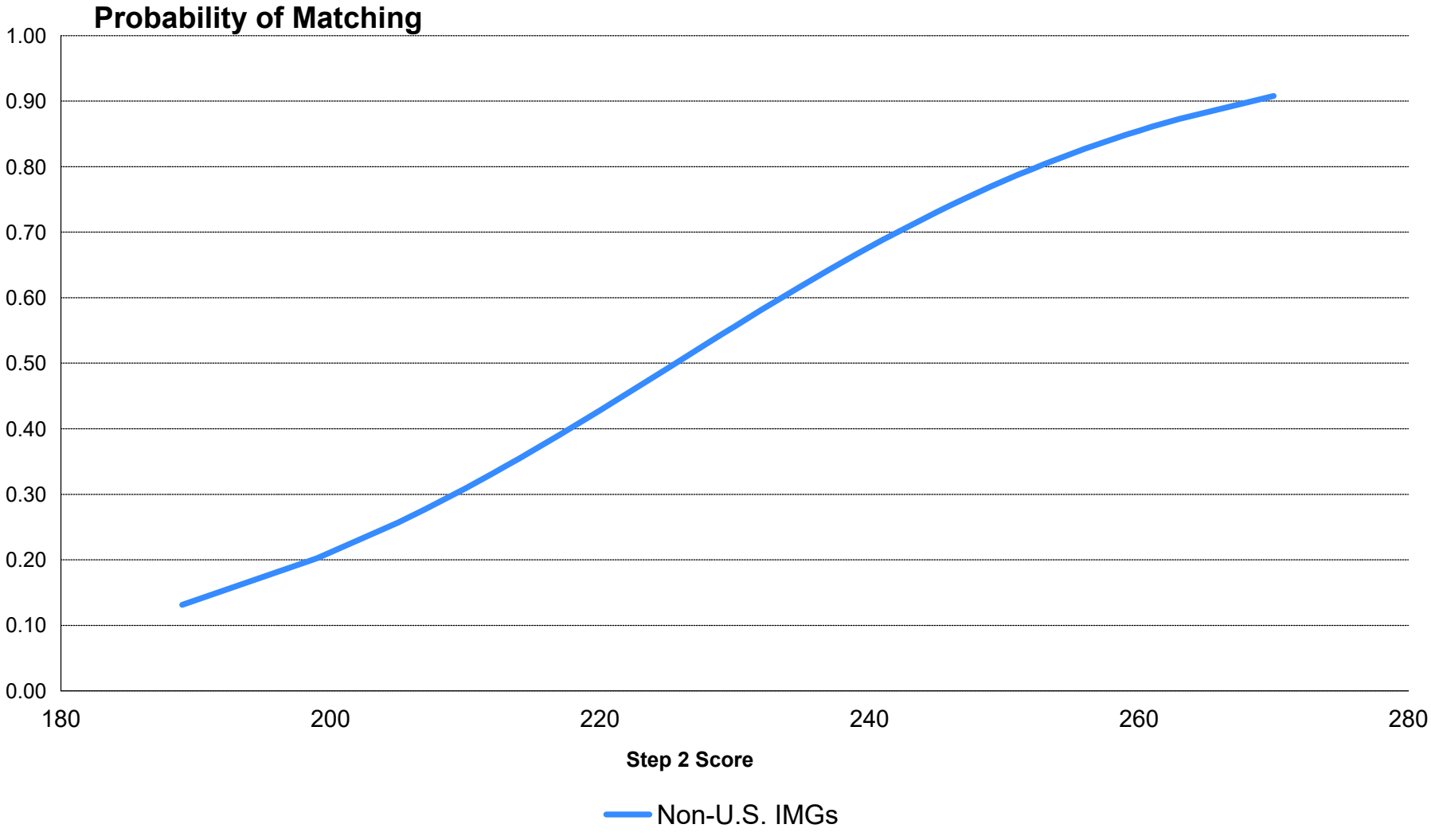
Graph RO-3

Probability of International Medical Graduates Matching to Preferred Specialty by USMLE Step 2 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 2022-2024 applicants.

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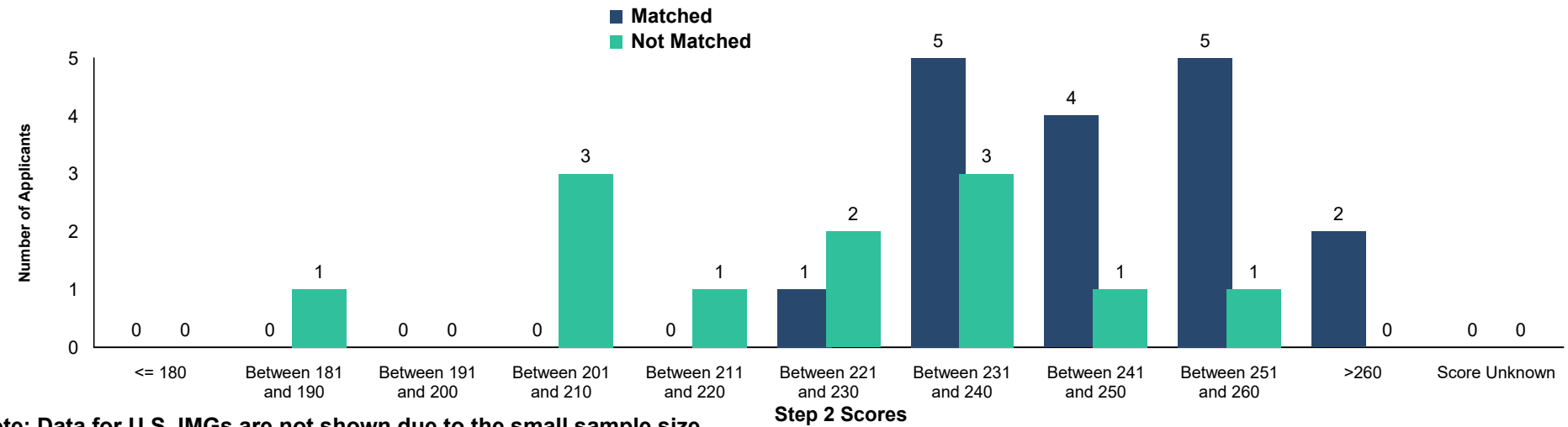
Chart RO-4

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

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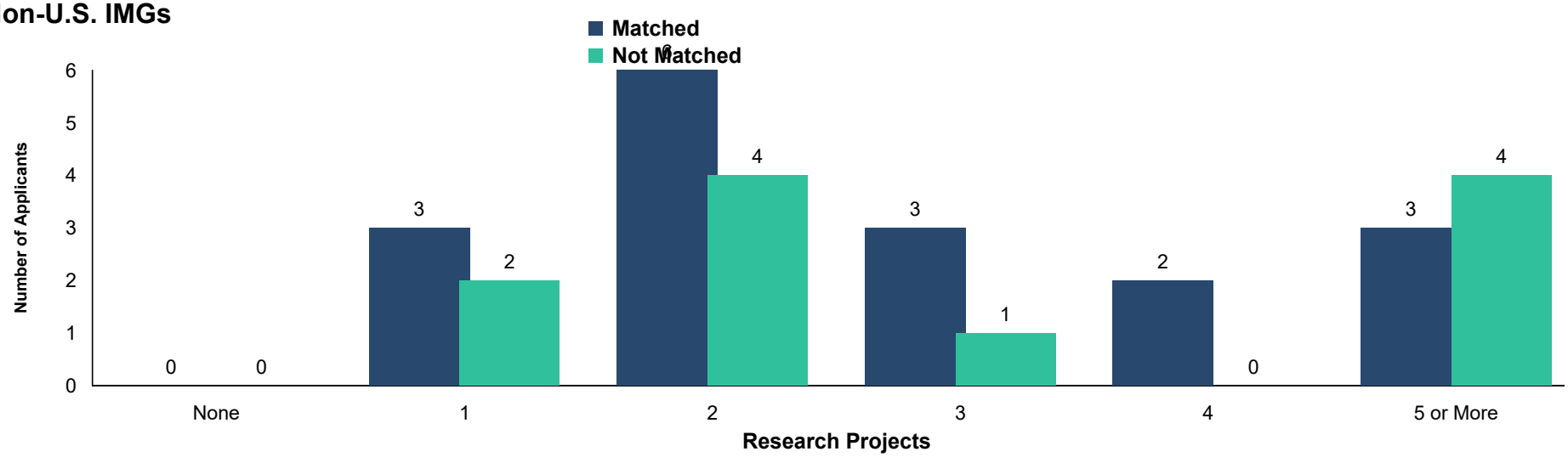
Chart RO-5

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.

Source: NRMP Data Warehouse

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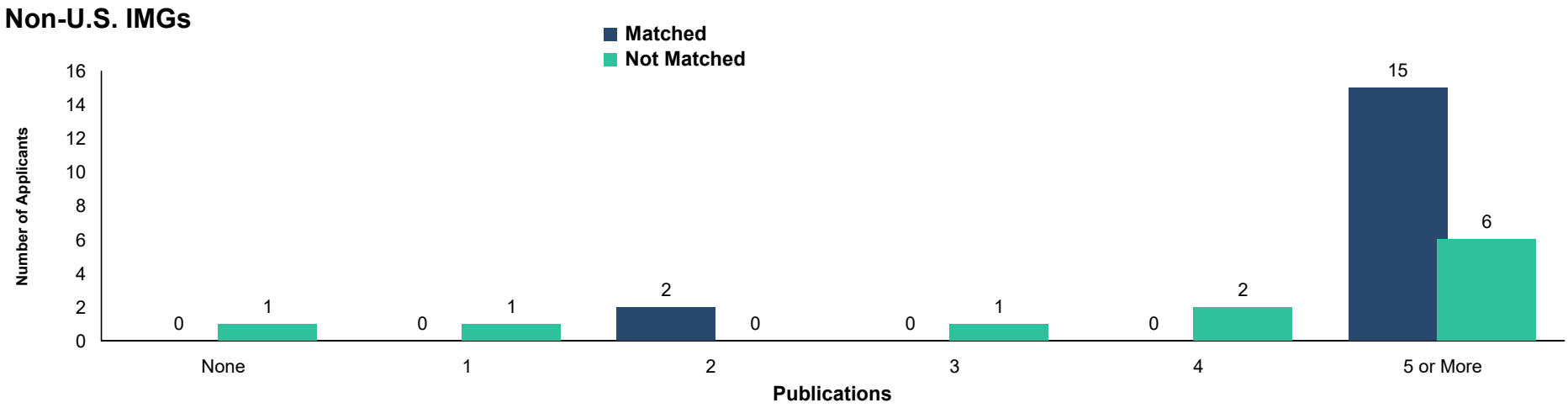
Chart RO-6

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

Radiation Oncology



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

Source: NRMP Data Warehouse

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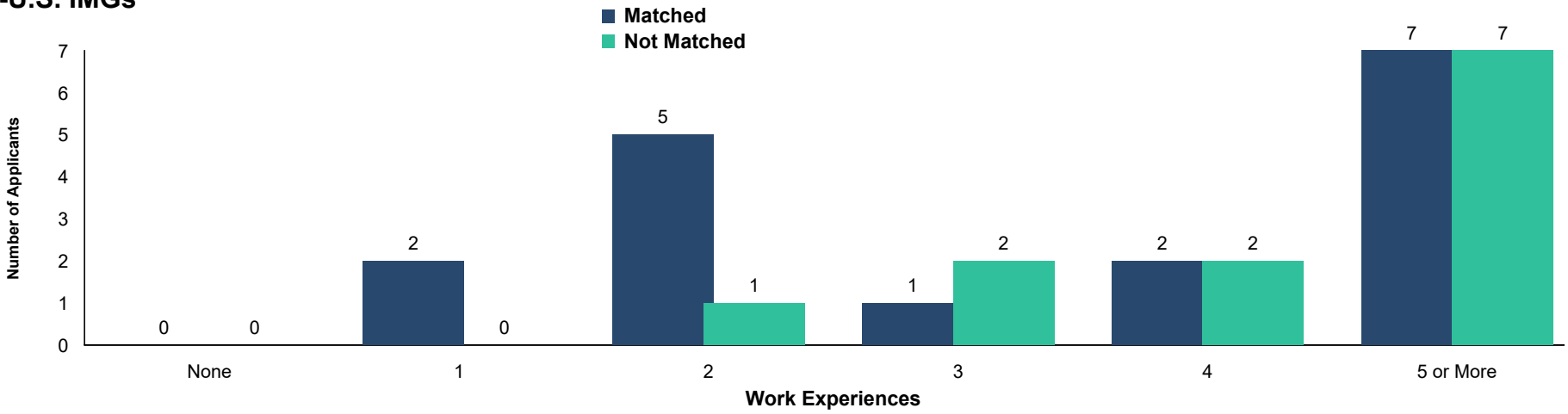
Chart RO-7

Number of Work Experiences of International Medical Graduates

Radiation Oncology

Non-U.S. IMGs



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

Source: NRMP Data Warehouse

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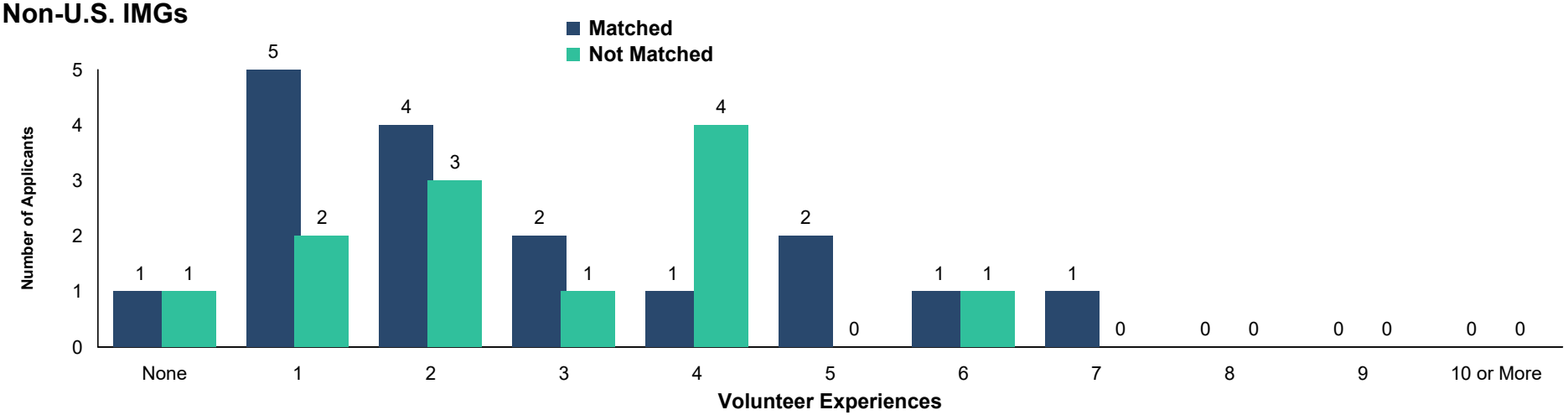
Chart RO-8

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

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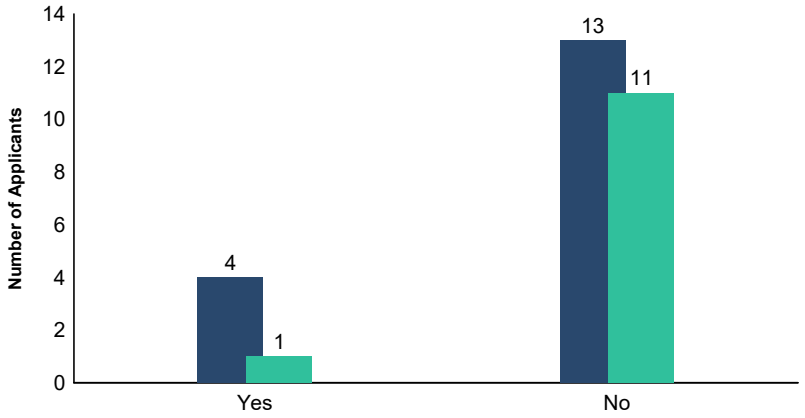
Chart RO-9 Other Characteristics of International Medical Graduates

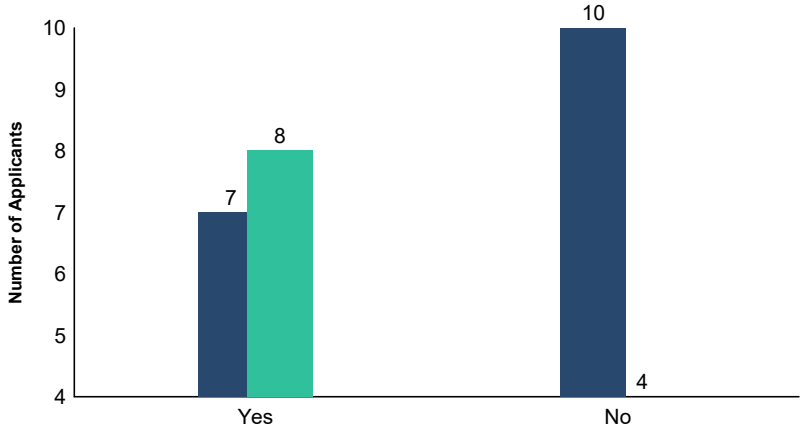
Radiation Oncology

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

Ph.D. Degree



Other Graduate Degree



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

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VS Vascular Surgery

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Table VS-1 Summary Statistics
Vascular Surgery

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		9.0	2.6
2. Mean number of distinct specialties ranked		1.5	2.3
3. Mean USMLE Step 1 score*		246	231
4. Mean USMLE Step 2 score		245	240
5. Mean number of research experiences		12.3	4.7
6. Mean number of abstracts, presentations, and publications		38.3	15.4
7. Mean number of work experiences		4.8	4.6
8. Mean number of volunteer experiences		2.5	4.9
9. Percentage who have a Ph.D. degree		0.0	0.0
10. Percentage who have another graduate degree		16.7	18.2

Note: * Only applicants who gave consent to use their information in research are included.
*Only applicants who indicated completion of the USMLE Step 1 exam prior to the transition to pass/fail (i.e., prior to January 26, 2022) had the option to self-report their Step 1 numeric score. In 2024, 6,845 IMGs (2,248 U.S. IMGs and 4,597 non-U.S. IMGs) self-reported Step 1 numeric scores.
Source. NRMP Data Warehouse

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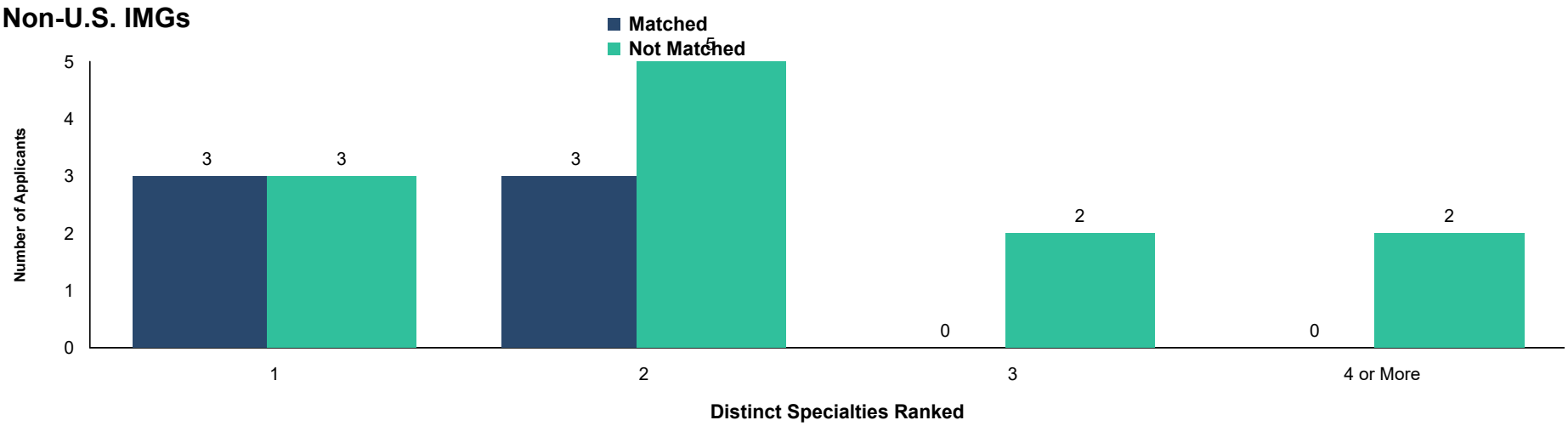
Chart VS-1 Number of Distinct Specialties Ranked by International Medical Graduates Vascular Surgery



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

Source: NRMP Data Warehouse

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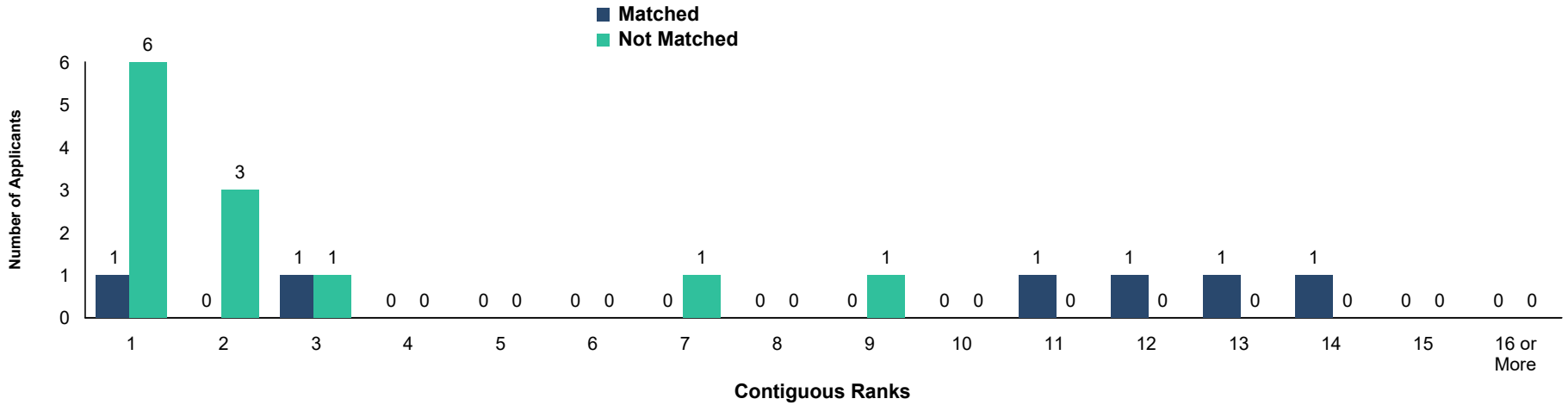
Chart VS-2 Number of Contiguous Ranks of International Medical Graduates Vascular Surgery

Non-U.S. IMGs



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

Source: NRMP Data Warehouse

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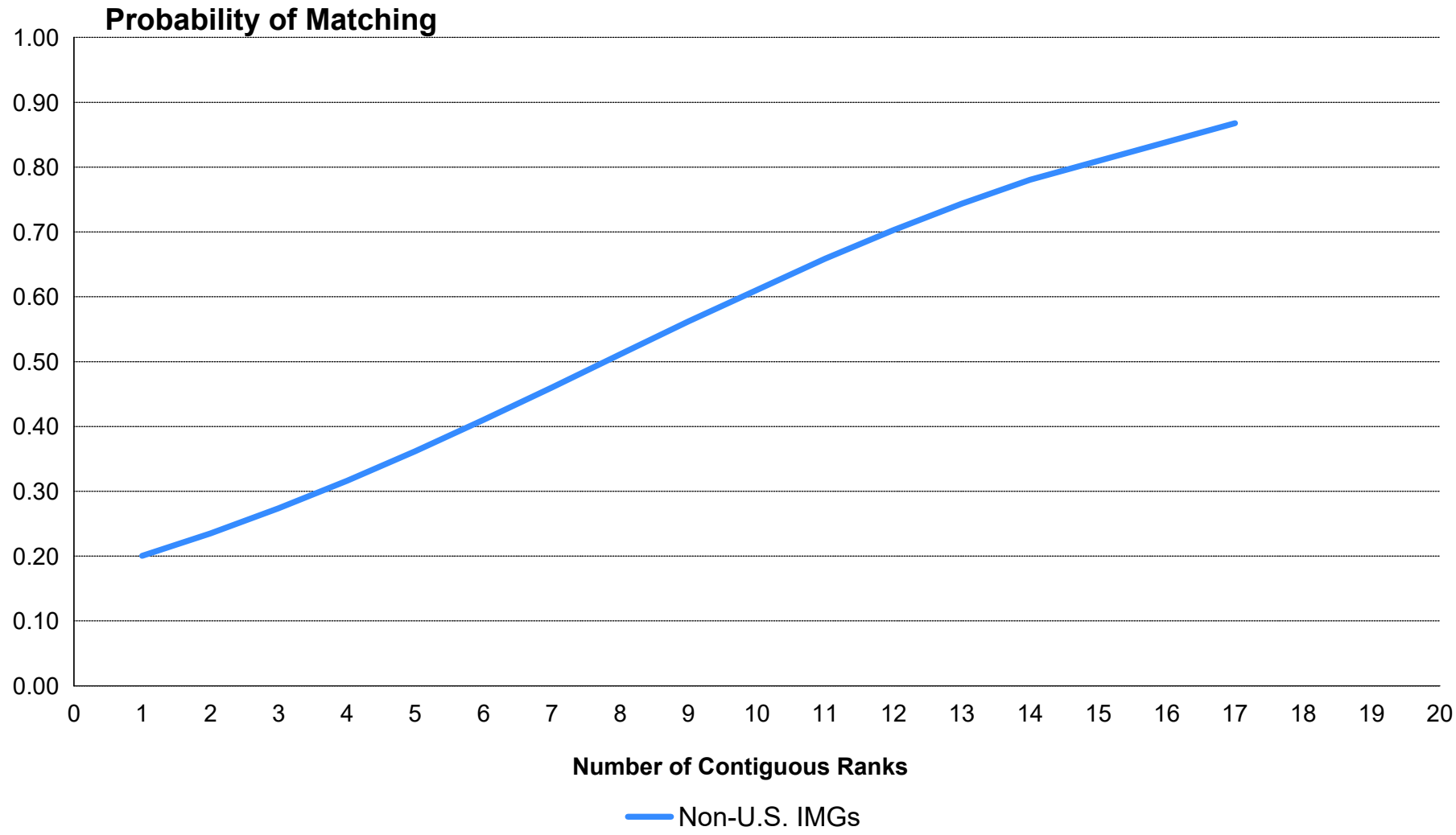
Graph VS-1

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 2022-2024 applicants

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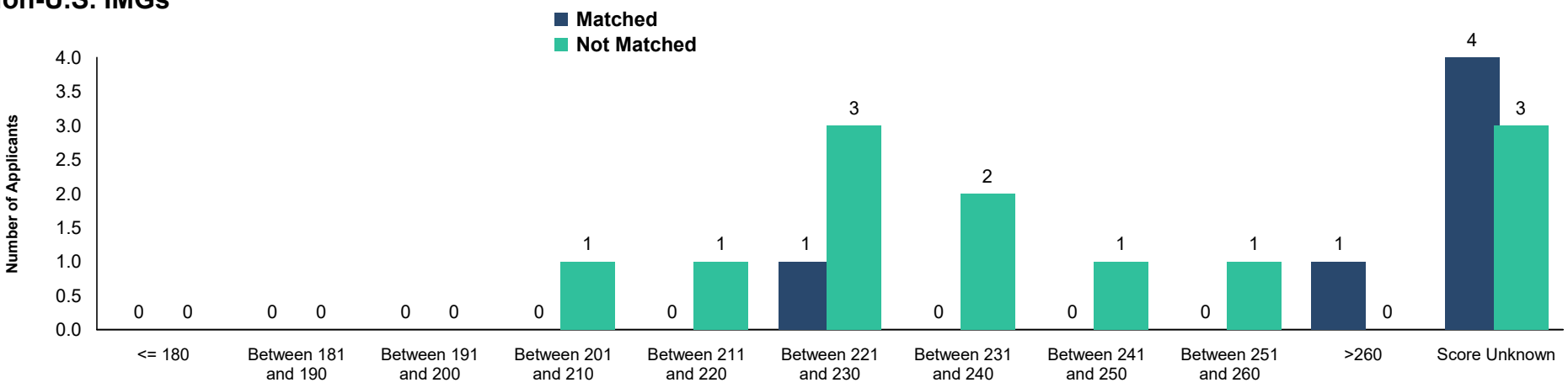
Chart VS-3

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.

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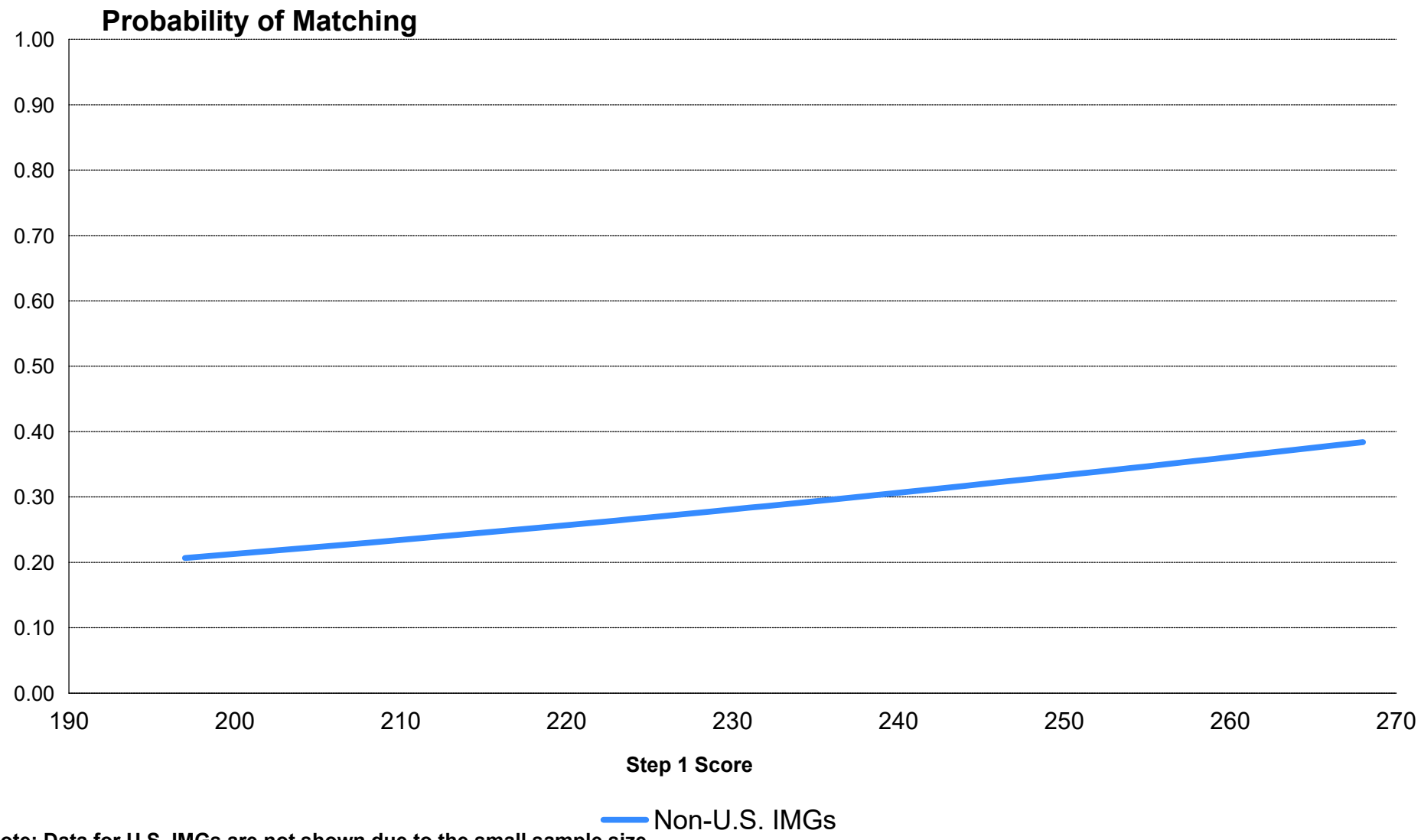
Graph VS-2

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

Vascular Surgery



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

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

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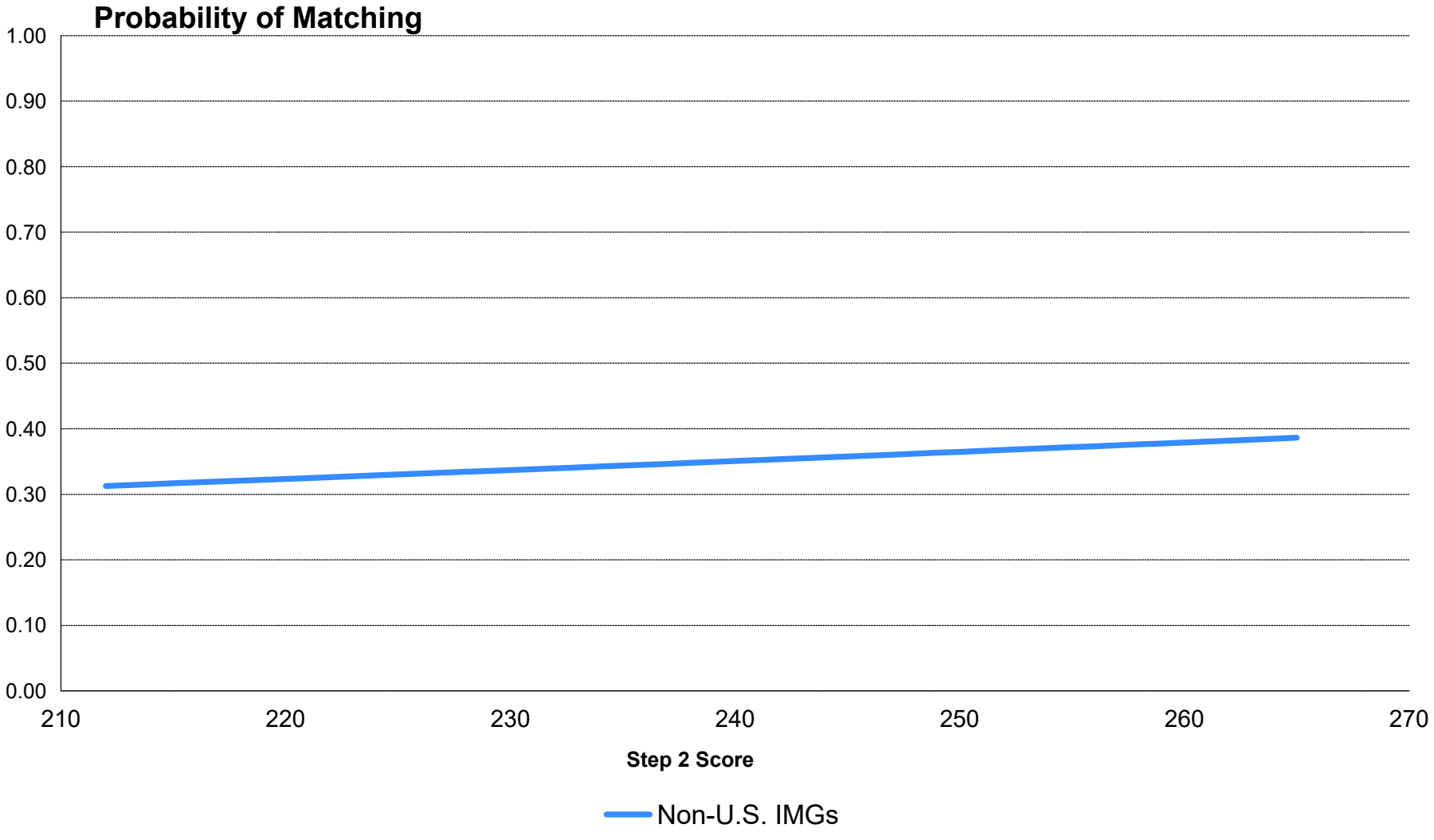
Graph VS-3

Probability of International Medical Graduates Matching to Preferred Specialty by USMLE Step 2 Score

Vascular Surgery



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

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

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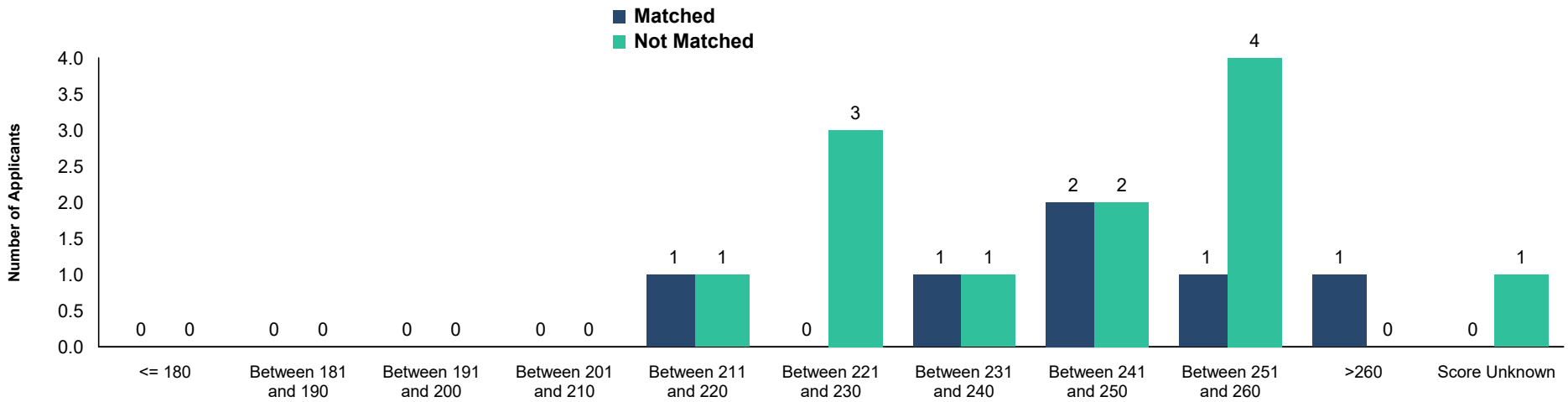
Chart VS-4

USMLE Step 2 CK Scores of International Medical Graduates

Vascular Surgery

Non-U.S. IMGs



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

Source: NRMP Data Warehouse

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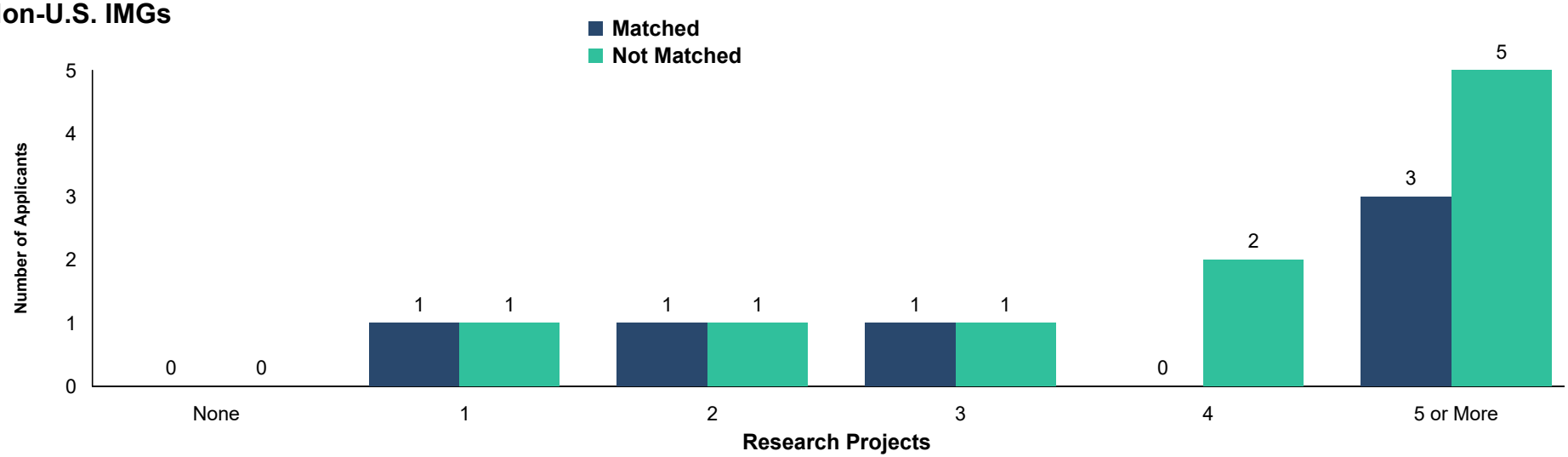
Chart VS-5

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.

Source: NRMP Data Warehouse

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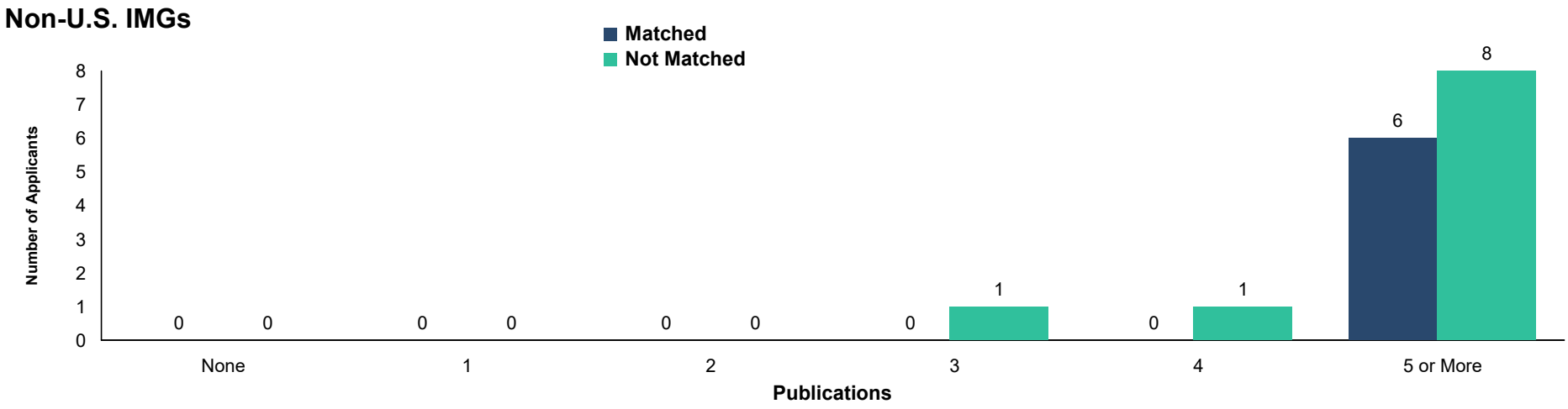
Chart VS-6

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

Vascular Surgery



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

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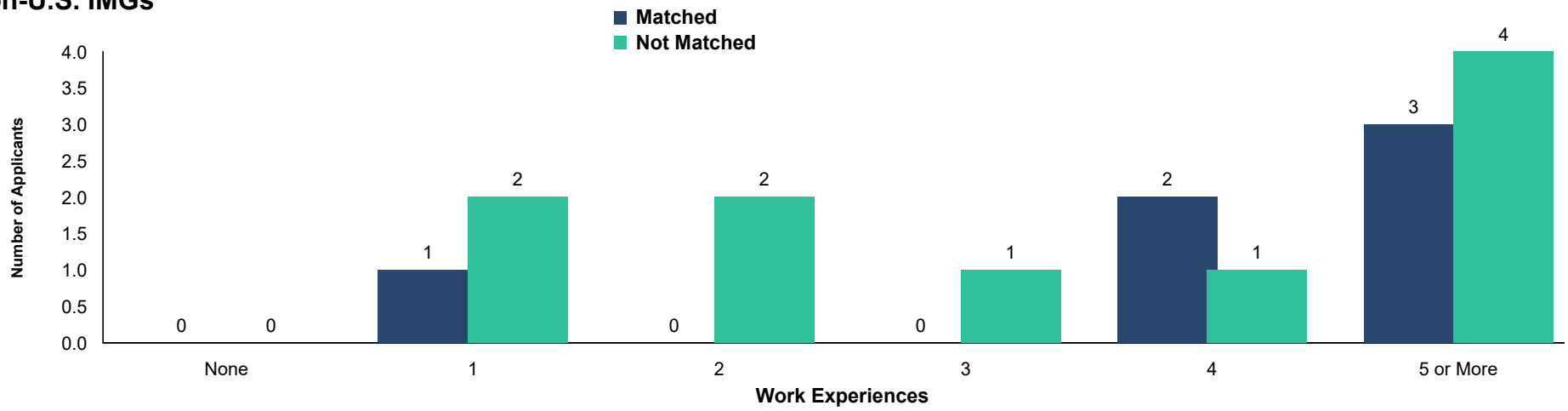
Chart VS-7 Number of Work Experiences of International Medical Graduates

Vascular Surgery

Non-U.S. IMGs



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

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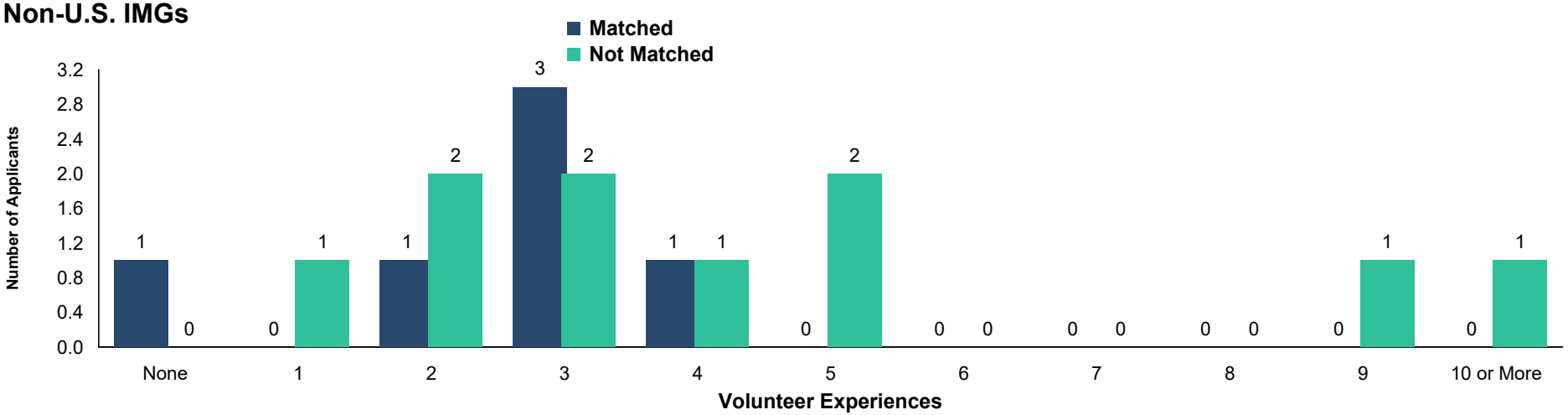
Chart VS-8

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

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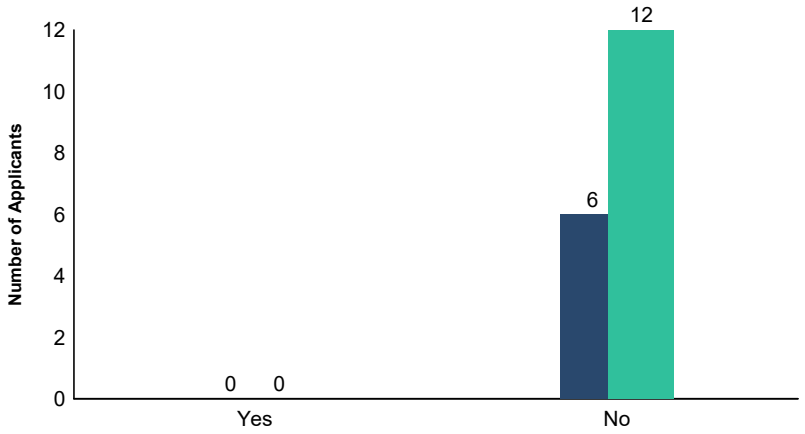
Chart VS-9 Other Characteristics of International Medical Graduates

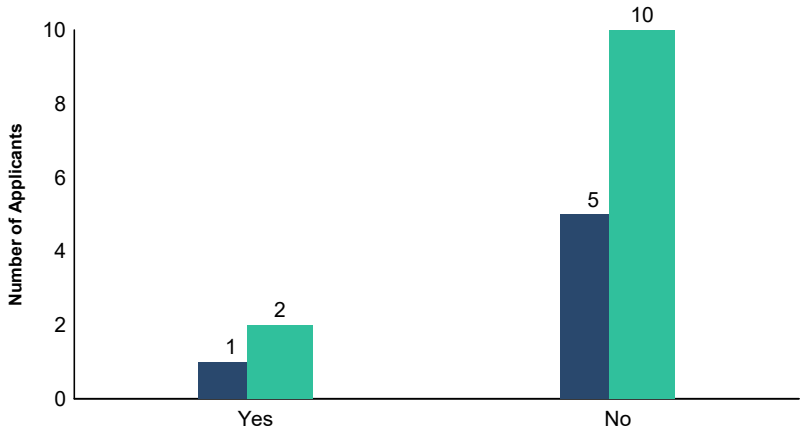
Vascular Surgery

Non-U.S. IMGs

Ph.D. Degree



Other Graduate Degree



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

Source: NRMP Data Warehouse

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