

Matched, Unmatched, and Beyond: Applicant Characteristics and Residency Placement Outcomes, 2022-2025

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Definitions/Acronyms

Applicant status

An applicant's status on NRMP's software application, the Registration, Ranking, and Results® (R3®) system. Applicants are categorized into the following applicant status groups (see **Figure 1**):

- Registered: Applicants who completed the registration process but did not rank any programs.
- Ranking: Applicants who completed the registration process and began ranking programs but did not certify a rank order list of programs.
- Active: Applicants who submitted a certified rank order list of programs.
- Withdrawn: Applicants who have been withdrawn from a given Match cycle.

Applicant type

The NRMP classifies applicants for the Main Residency Match into eight types. The following six types are relevant to this report:

- U.S. MD Senior: A student who graduated from a Liaison Committee on Medical Education (LCME) accredited medical school between June 30 of the calendar year the Match opens and 9:00 pm eastern time on the Rank Order List Certification Deadline in the year of the Match.
- U.S. DO Senior: A student who graduated from an American Osteopathic Association (AOA) Commission on Osteopathic College Accreditation (COCA) accredited medical school between June 30 of the calendar year the Match opens and 9:00 pm eastern time on the Rank Order List Certification Deadline in the year of the Match.
- U.S. MD Graduate: An applicant who graduated from a LCME-accredited medical school prior to the year of the Match. Previous U.S. MD graduates are not sponsored by their medical schools.
- U.S. DO Graduate: An applicant who graduated from an AOA COCA-accredited medical school prior to the year of the Match. Previous U.S. DO graduates are not sponsored by their medical schools.
- U.S. IMG: A U.S. citizen who is enrolled in, or a graduate of, a medical school outside the United States and Canada that is not accredited by the LCME, the AOA COCA, or the Committee on Accreditation of Canadian Medical Schools. Note that those who graduated from a Canadian medical school on or after July 1, 2025 are considered IMGs, however, no applicants included in this report meet this criterion.
- Non-U.S. IMG: A non-U.S. citizen who is enrolled in, or a graduate of, a medical school outside the United States and Canada that is not accredited by the LCME, the AOA COCA, or the Committee on Accreditation of Canadian Medical Schools. Note that those who

graduated from a Canadian medical school on or after July 1, 2025 are considered IMGs, however, no applicants included in this report meet this criterion.

COMLEX-USA®	Comprehensive Osteopathic Medical Licensing Examination of the United States®. The COMLEX , administered by the National Board of Osteopathic Medical Examiners, is a three-step examination that assesses medical knowledge and clinical skills and serves as the osteopathic physician's primary pathway to licensure.
Did not secure any position	An applicant who did not secure any position through the matching algorithm and did not accept any position through SOAP.
Full course of training	The full course of residency training required to obtain board certification in a specialty. To obtain a full course of training in a single Match cycle, an applicant must secure a Categorical position, a Categorical Primary Care (i.e., Primary) position, or both Advanced and Preliminary positions (see <i>program type</i> for additional information).
Match Rate	The percentage of active applicants who matched to PGY-1 positions when the matching algorithm was processed; also referred to as PGY-1 Match Rate.
MRM	Main Residency Match®. The Match sponsored by the NRMP that places students and graduates of U.S. and international medical schools into ACGME-accredited core residency training programs in the United States.
Partially matched	An applicant who matched (via the processing of the matching algorithm) only to a Preliminary or only to an Advanced position.
PGY-1 & PGY-2	Post-graduate year one and post-graduate year two training positions. PGY-1 and PGY-2 positions are offered in the Main Residency Match.
Program type	The NRMP classifies programs for the Main Residency Match into five types: • <u>Categorical ("C") programs</u>: PGY-1 programs that provide the full training required for board certification in a specialty. • <u>Categorical Primary Care ("M") programs</u>: PGY-1 programs in medicine and pediatrics that provide a training emphasis on primary care. <i>Also referred to as Primary programs.</i> • <u>Preliminary ("P") programs</u>: PGY-1 programs that are one year in length and offer foundational training, typically for an Advanced specialty program. • <u>Advanced ("A") programs</u>: Specialty programs that begin the year after the Match (PGY-2) and after one or more years of required preliminary training. • <u>Physician ("R") programs</u>: Specialty programs that begin in the year of the Match and are reserved for physicians with prior graduate medical education.

R3®	NRMP's Registration, Ranking, and Results® (R3®) system. This is the web-based software application through which all NRMP Matches are managed. The R3 system is used to register for a Match, create rank order lists, and view Match results and reports.
ROL	Rank order list
Secured any position	An applicant who secured any position through the matching algorithm and/or accepted a position through SOAP.
SOAP®	The Supplemental Offer and Acceptance Program®, a process by which eligible unmatched and partially matched applicants in the Main Residency Match apply for and are offered positions that did not fill when the matching algorithm was processed.
SOAP-eligible	Applicants who registered for the Main Residency Match, are eligible to enter graduate medical education on July 1 in the year of the Match, and are fully unmatched or partially matched (i.e., with only a Preliminary or Advanced position) on Monday of Match Week.
URiM	Underrepresented in medicine, which includes applicants who self-reported being American Indian/Alaska Native, Black/African American, Hispanic/Latino, and/or Pacific Islander.
USMLE®	United States Medical Licensing Examination®. The USMLE is a three-step examination designed to assess an individual's ability to apply knowledge, concepts, and principles to the practice of medicine.

Introduction

Despite significant attention to applicants who did not initially match, little is known about their experiences in the Main Residency Match® (MRM®). Existing research on Match outcomes has focused largely on specialty-specific analyses of factors associated with matching,^{1–3} with comparatively less attention given to applicants who do not secure positions. In addition, many prior studies have relied on self-reported Match outcome data^{4–6} rather than primary source Match outcome data from the National Resident Matching Program® (NRMP). Further, the term “unmatched” typically refers to applicants who did not obtain a position when the matching algorithm was run and does not capture applicants’ experiences during the Supplemental Offer and Acceptance Program® (SOAP®). SOAP provides a structured process through which applicants may obtain positions in programs that remain unfilled after the matching algorithm has been processed. Examining outcomes across both the Match and SOAP offers a more comprehensive view of applicants’ transition to residency training experience.

This report examines MRM data from 2022 through 2025 and is part of a broader NRMP initiative to better understand applicants who did not secure a residency position or who obtained only partial residency training during Match Week. Building on existing NRMP reporting, these analyses provide greater transparency into pathways from medical school to residency and offer new insights into the experience and outcomes of applicants navigating the transition to graduate medical education. By examining outcomes through the NRMP’s primary source data, the report contributes to a more complete understanding of the residency placement process and the future physician workforce.

Organization of This Report

The report contains different sets of analyses, organized into three core sections:

1. **Section 1: Applicant Characteristics Across Match Outcome Groups** examines core applicant characteristics, such as applicant type, previous MRM participation, demographics, and academic characteristics. Characteristics of applicants who secured any position, applicants who did not secure any position, and withdrawn applicants are compared and temporal trends are assessed.
2. **Section 2: Residency Placement Outcomes During Match Week** examines what percentage of applicants secured any position, secured full training (i.e., a Categorical or Primary position or both Preliminary and Advanced positions), or secured only a Preliminary, Advanced, or Physician position each Match cycle. Results are presented overall and by applicant type (U.S. MD senior, U.S. DO senior, U.S. MD graduate, U.S. DO graduate, U.S. citizen student/graduate of an international medical school (U.S. IMG), non-U.S. citizen student/graduate of an international medical school (non-U.S. IMG)).
3. **Section 3: Longitudinal Trajectories of Applicants Who Initially Did Not Secure Any Position** examines the percentage of applicants who did not secure any position during their first Match cycle and returned in a future cycle. Among those who returned, results examine whether they secured any position and what percentage secured a full course of training or only a Preliminary position.

These sections taken together provide greater transparency about patterns in residency position securement through the MRM. However, the sections have been written with the intention that they can be read separately, with each containing an overview of the data and analytic methods used in that section.

Section 1: Applicant Characteristics Across Match Outcome Groups

Match outcomes influence the early career trajectories of medical school graduates and contribute to the composition of the physician workforce. Workforce composition, in turn, has implications for access to care, patient outcomes,^{7,8} and the future residency applicant pool.⁹ Understanding how applicant characteristics align with residency placement outcomes may provide valuable insight into pathways to residency training and the evolving physician workforce.

Prior research has identified differences in residency placement outcomes between U.S. citizen graduates of U.S.-based medical schools and international medical graduates (IMGs), particularly non-U.S. citizen IMGs.⁴ Other applicant characteristics, including race and ethnicity, have also been examined.¹⁰ Several specialty-specific studies have reported lower Match rates among applicants from racial/ethnic groups underrepresented in medicine (URiM) compared to non-URiM applicants,¹¹ even among applicants with similar USMLE test scores, numbers of away rotations, and interview invitations, and despite often reporting greater research productivity.⁵

Applicant academic and professional characteristics have likewise been examined with respect to Match outcomes. Numerous studies have found that matched applicants typically achieved higher USMLE Step 1 (prior to the Step 1 transition to pass/fail scoring) and Step 2 CK scores than unmatched applicants.^{1–4,12–17} Research has also shown that unmatched applicants generally report fewer research experiences^{13,14,18,19} and fewer volunteer and work experiences^{16,20} than applicants who successfully matched.

Despite growing research on residency placement, most studies have been focused on specific specialties rather than examining applicants across the Main Residency Match.^{1–3,6,16} In addition, many studies rely on self-reported Match outcomes^{4–6} or publicly available online records²¹ rather than primary source data from the NRMP. Consequently, important gaps remain in understanding the characteristics of applicants who *do not* secure residency positions. Addressing these gaps may help the medical education community better understand differences in residency placement outcomes and inform efforts to support a fair and transparent transition to residency training.

The analyses that follow examine the characteristics of applicants across various outcome groups: those who secured a position through the matching algorithm, those who secured a position through SOAP, those who did not secure any position during Match Week, and those who were withdrawn from the Match. Findings highlight core characteristics, such as applicant type, prior MRM participation, ranking behavior, demographic characteristics, and self-reported academic experiences.

Methods

Data from applicants who participated in the 2022-2025 Main Residency Match (MRM) cycles were analyzed. The 2022 cycle was selected as the starting point since NRMP began demographic data collection for the 2022 MRM. When applicants register in NRMP's Registration, Ranking, and Results® (R3®) system, they are asked to provide information related to their medical school (U.S.-based allopathic, U.S.-based osteopathic, or international medical school) and U.S. citizenship status. They also can voluntarily provide demographic and academic information. While applicants must submit a certified rank order list (ROL) of programs in order to participate in the running of the matching algorithm, applicants need only to have completed Match registration and be eligible to enter graduate medical education on July 1 in the year of the Match to participate in NRMP's Match Week Supplemental Offer and Acceptance Program (SOAP).

Figure 1 depicts how applicants progress through the R3 system and are classified into one of four registration status groups, denoted by the squares in the figure:

1. **Registered:** Applicants who completed the registration process but did not rank any programs.
2. **Ranking:** Applicants who completed the registration process and began ranking programs but did not certify a rank order list of programs.
3. **Active:** Applicants who submitted a certified rank order list of programs by the ROL certification deadline. Also referred to as *Certified-ROL*.
4. **Withdrawn:**¹ Applicants who withdrew or were withdrawn from the Match before the running of the matching algorithm. Withdrawal reasons include, but are not limited to, having participated in an earlier Match (e.g., Urology), deciding to leave medicine, not having received any residency interviews, or not completing graduation requirements.

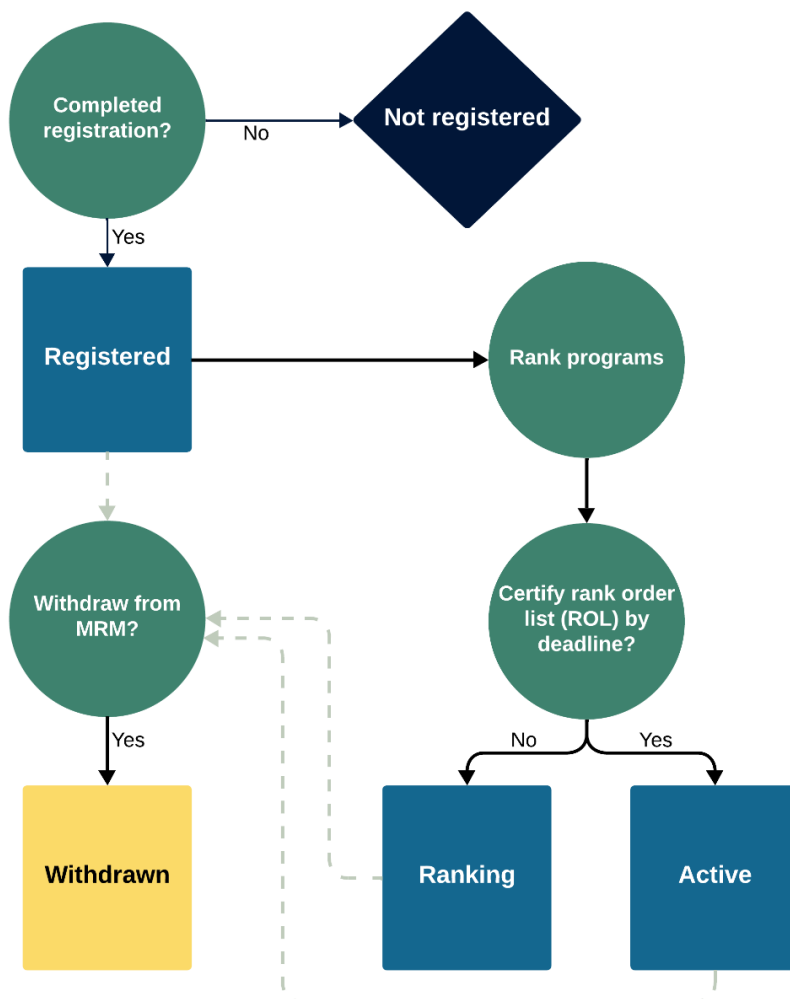


Figure 1. Match registration process flow

Match Outcome Groups of Interest

The characteristics of the following Match outcome groups were assessed by Match cycle. Note that as described below and depicted in

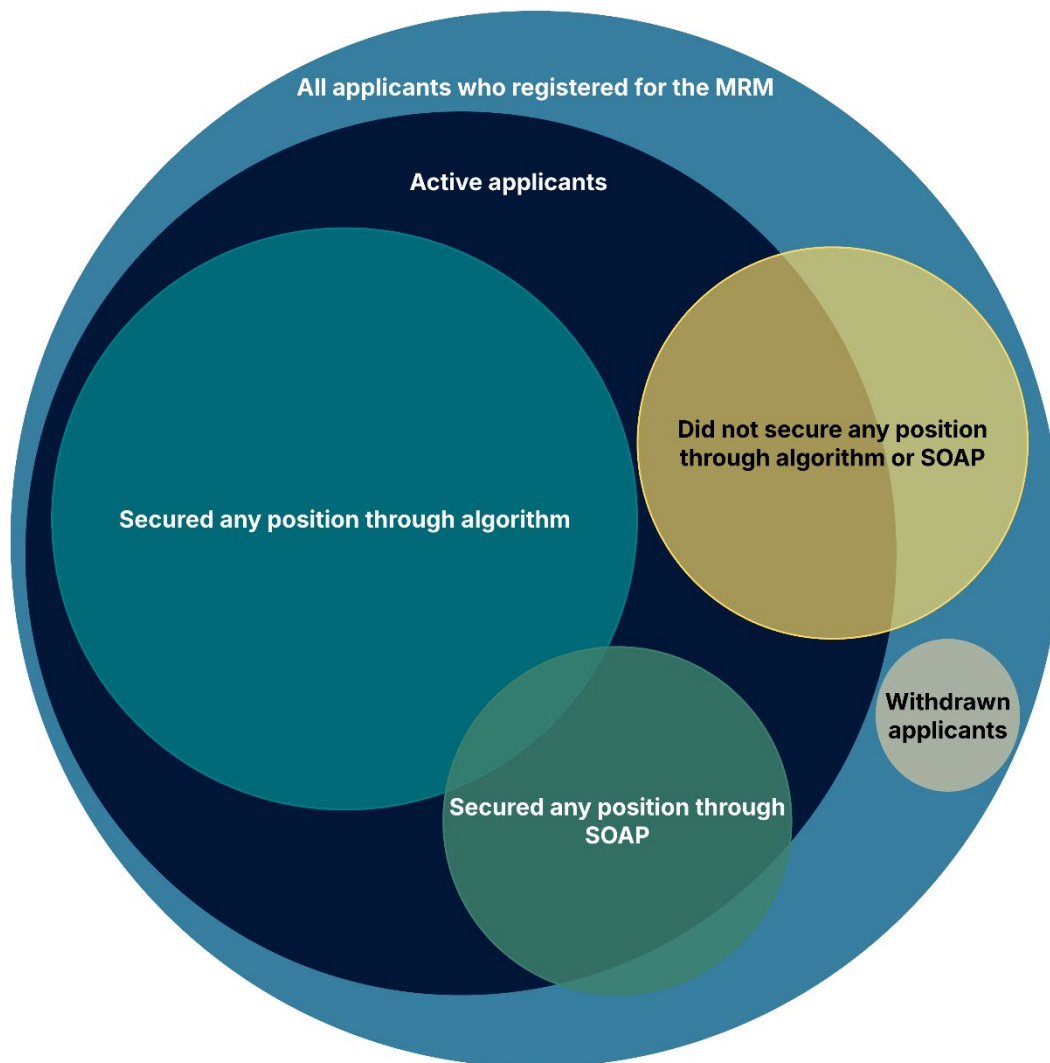
Figure 2, the groups are *not mutually exclusive*. While some groups include registered, ranking, or active applicants (also referred to as “all applicants”), other groups focus specifically on active applicants (i.e., those who submitted a certified list of ranked programs). Moreover, because NRMP matches to Preliminary (PGY-1) and Advanced (PGY-2) positions, applicants may secure one position through the matching algorithm and another position through SOAP (i.e., an Advanced position through the algorithm and a Preliminary position through SOAP or vice versa).

- **All applicants who secured any position through the algorithm or SOAP:** All registered, ranking, or active applicants who secured any position (i.e., any position type) through the matching algorithm and/or SOAP. The following subgroups of *All applicants who secured any position* were examined:
 - **Active applicants who secured any position through the algorithm:** Certified-ROL applicants who matched to any position type through the matching algorithm.
 - **Active applicants who secured any position through SOAP:** Certified-ROL applicants who accepted any position through SOAP.

¹ A small percentage of withdrawn applicants are eligible to participate in SOAP.

- **All applicants who secured any position through SOAP:** Registered, ranking, or certified-ROL applicants who accepted any position through SOAP. This group includes active and non-active applicants.
- **All applicants who did not secure any position through the algorithm or SOAP:** All registered, ranking, or active applicants who did not secure any position through either the matching algorithm or SOAP. The following subgroup of *All applicants who did not secure any position* was examined:
 - **Active applicants who did not secure any position through the algorithm or SOAP:** Certified-ROL applicants who did not secure any position through either the matching algorithm or SOAP.
- **Withdrawn applicants**

Figure 2. Relationship between applicant registration status and Match outcome



Due to their small numbers, Canadian and Fifth Pathway applicants were excluded from analyses.

Core Applicant Characteristics

Tables 1A-D display an array of core applicant characteristics by Match outcome group, including applicant type, previous MRM participation, medical school information, and ranking behaviors. Results are presented in separate tables by Match year, beginning with 2025. Demographic and academic characteristics are presented separately in Tables 2 and 3, so hereafter “core applicant characteristics” refers specifically to the characteristics included in Table 1.

Increases and decreases of 10% or more from one Match cycle to the next within a given Match outcome group are denoted in **Tables 1A-D** with green (increases $\geq 10\%$) and red (decreases $\geq 10\%$) arrows.

Notable differences between Match outcome groups that were consistent over time (i.e., between 2022 and 2025) include the following:

Applicant type

- Compared to all four *secured any position* Match outcome groups:
 - Lower percentages of both *active applicants* and *all applicants who did not secure any position* (“all/active”) were **U.S. MD and U.S. DO seniors**.
 - Higher percentages of *all/active applicants who did not secure any position* were **U.S. IMGs**. However, over time this gap seems to be decreasing.
 - Higher percentages of *all/active applicants who did not secure any position and withdrawn applicants* were **non-U.S. IMGs**.
- Higher percentages of *all/active applicants who secured any position through SOAP* and, to a lesser extent, *all/active applicants who did not secure any position* were **U.S. MD and DO graduates**, compared to *applicants who secured any position through the algorithm*.

Previous MRM participation

- A higher percentage of *all/active applicants who did not secure any position*, and a slightly higher percentage of *all/active applicants who secured any position in SOAP and withdrawn applicants*, previously participated in the Match compared to *applicants who secured any position through the algorithm*.

Medical school attributes

- A higher percentage of *applicants who secured any position through the algorithm* were from a top 40 NIH-funded medical school compared to the other Match outcome groups. The degree of difference was less substantial by 2025, although there was a near five percentage point increase between 2022 and 2025 in the percentage of *all applicants who secured any position through SOAP* coming from a top 40 NIH-funded medical school. It is important to note that information on top 40 NIH-funded medical schools is only available for and applicable to U.S. MD applicants (i.e., including seniors and graduates).

ROL length

- *Active applicants who secured any position through the algorithm* had the longest ROLs (average around 12 ranks), followed by *active applicants who secured any position through SOAP* (average 6-7 ranks), and, finally, *active applicants who did not secure any position* (average 3-4 ranks). Applicants who participated in the Match as a couple can rank the same program multiple times because they submit combinations/pairs of programs for the matching algorithm to process; accordingly, they were excluded from mean/median ROL length calculations.

Notable changes over time included:

- U.S. MD seniors made up a declining percentage of *withdrawn applicants*. In 2022, 24.8% of *withdrawn applicants* were U.S. MD seniors, compared to 16.9% in 2025, a 31.9% decline.
- The percentages of *all/active applicants who did not secure any position* who were participating in their first Match consistently increased from 2022-2025, with most of the growth occurring from 2023 to 2024.
- The percentage of *withdrawn applicants* from a top 40 NIH-funded medical school declined, from 28.2% in 2022 to 20.5% in 2025 (a 27.3% decline).

Table 1A. Core applicant characteristics and ranking behaviors by Match outcome group, 2025 MRM

2025 Main Residency Match	All applicants who secured any position through algorithm or SOAP		Active applicants who secured any position through <u>algorithm</u>		Active applicants who secured any position through <u>SOAP</u>		All applicants who secured any position through <u>SOAP</u>		All applicants who <u>did not</u> secure any position through algorithm or SOAP		Active applicants who <u>did not</u> secure any position through algorithm or SOAP		Withdrawn applicants	
	N=40,482		N=38,323		N=2,131		N=2,307		N=9,680		N=6,887		N=2,306	
	N	%	N	%	N	%	N	%	N	%	N	%	N	%
Applicant Type														
U.S. MD Seniors	19,964	49.3	19,124	49.9	889	41.7	918	39.8	510	5.3	433	6.3	390	16.9↓
U.S. DO Seniors	8,283	20.5	7,804	20.4	488	22.9	511	22.1	170	1.8	132	1.9	310	13.4↑
U.S. MD Grads	1,282	3.2	1,126	2.9	148	6.9	165	7.2↑	666	6.9	486	7.1	112	4.9
U.S. DO Grads	458	1.1	373	1.0	74	3.5	85	3.7	255	2.6	183	2.7	38	1.6
U.S. IMGs	3,486	8.6	3,166	8.3	269	12.6	328	14.2↓	1,841	19.0↓	1,160	16.8↓	622	27.0↑
Non-U.S. IMGs	7,009	17.3	6,730	17.6	263	12.3	300	13.0	6,238	64.4	4,493	65.2	834	36.2
# Previous Times in MRM^a														
0	35,762	88.3	34,045	88.8	1,721	80.8	1,850	80.2	5,276	54.5	3,807	55.3	1,864	80.8
1	3,618	8.9↑	3,301	8.6↑	300	14.1↑	330	14.3↑	2,437	25.2↑	1,802	26.2↑	291	12.6↑
2 or more	1,102	2.7↓	977	2.5↓	110	5.2	127	5.5	1,967	20.3↓	1,278	18.6↓	151	6.5↑
Medical School Type^b														
Private	15,739	52.5	14,862	52.3	892	55.8	933	55.6	915	57.2	703	57.0	503	59.2
Public	14,248	47.5	13,565	47.7	707	44.2	746	44.4	686	42.8	531	43.0	347	40.8
Top 40 NIH-Funded Medical School^c														
Yes	6,110	28.8	5,878	29.0	247	23.8↑	256	23.6↑	281	23.9↑	220	23.9	103	20.5
No	15,136	71.2	14,372	71.0	790	76.2	827	76.4	895	76.1	699	76.1	399	79.5
Couples Status														
Not part of a couple	38,070	94.0	35,977	93.9	2,057	96.5	2,233	96.8	9,574	98.9	6,781	98.5	2,306	100.0
Part of a couple	2,412	6.0	2,346	6.1	74	3.5↓	74	3.2↓	106	1.1↑	106	1.5↑	0	0.0

2025 Main Residency Match	All applicants who secured any position through algorithm or SOAP		Active applicants who secured any position through <u>algorithm</u>		Active applicants who secured any position through <u>SOAP</u>		All applicants who secured any position through <u>SOAP</u>		All applicants who <u>did not</u> secure any position through algorithm or SOAP		Active applicants who <u>did not</u> secure any position through algorithm or SOAP		Withdrawn applicants	
	N=40,482		N=38,323		N=2,131		N=2,307		N=9,680		N=6,887		N=2,306	
	N	%	N	%	N	%	N	%	N	%	N	%	N	%
Median ROL Length ^d														
	11		12		5		5		2		2		N/A	
Mean ROL Length ^d														
	11.71		12.02		6.30		6.30		3.51		3.51		N/A	
Ranked 2 or More Specialties ^e														
No	30,659	76.1	29,081	75.9	1,624	76.2	1,624	76.2	5,632	81.8	5,632	81.8	N/A	
Yes	9,647	23.9	9,242	24.1	507	23.8	507	23.8	1,254	18.2	1,254	18.2	N/A	

↑ denotes an increase of 10% or more compared to the previous Match cycle (i.e., 2024).

↓ denotes a decrease of 10% or more compared to the previous Match cycle (i.e., 2024).

^a Prior MRM participation excludes any MRM cycles in which an applicant was withdrawn.

^b Medical school type includes only applicants who attended medical school in the U.S.

^c Top 40 NIH-funded medical school includes only U.S. MD applicants.

^d Mean and median ROL length calculations excluded applicants participating in the Match as part of a couple.

^e Number of specialties ranked includes active applicants only (i.e., applicants who did not certify a ROL are excluded). Therefore, median and mean ROL length for *All applicants who secured any position through SOAP* and *Active applicants who secured any position through SOAP* and ROL length for *All applicants who did not secure any position* and *Active applicants who did not secure any position* are equal.

Table 1B. Core applicant characteristics and ranking behaviors by Match outcome group, 2024 MRM

2024 Main Residency Match	All applicants who secured any position through algorithm or SOAP		Active applicants who secured any position through <u>algorithm</u>		Active applicants who secured any position through <u>SOAP</u>		All applicants who secured any position through <u>SOAP</u>		All applicants who <u>did not</u> secure any position through algorithm or SOAP		Active applicants who <u>did not</u> secure any position through algorithm or SOAP		Withdrawn applicants	
	N=38,850		N=36,584		N=2,215		N=2,392		N=9,163		N=6,165		N=2,376	
	N	%	N	%	N	%	N	%	N	%	N	%	N	%
Applicant Type														
U.S. MD Seniors	19,373	49.9	18,518	50.6	886	40.0	906	37.9	475	5.2	402	6.5	448	18.9↓
U.S. DO Seniors	7,934	20.4	7,445	20.4	504	22.8	526	22.0	160	1.7↑	121	2.0	248	10.4
U.S. MD Grads	1,222	3.1	1,072	2.9	144	6.5	152	6.4↓	618	6.7	448	7.3	118	5.0
U.S. DO Grads	470	1.2↓	389	1.1	74	3.3↓	84	3.5↓	232	2.5	156	2.5↓	41	1.7
U.S. IMGs	3,599	9.3	3,225	8.8	308	13.9	381	15.9	2,083	22.7↓	1,225	19.9↓	581	24.5↓
Non-U.S. IMGs	6,252	16.1↑	5,935	16.2↑	299	13.5↑	343	14.3↑	5,595	61.1	3,813	61.8	940	39.6↑
# Previous Times in MRM^a														
0	34,561	89.0	32,717	89.4	1,831	82.7	1,957	81.8	4,939	53.9↑	3,357	54.5↑	2,029	85.4
1	3,097	8.0	2,816	7.7	266	12.0↓	289	12.1↓	2,065	22.5	1,451	23.5↓	244	10.3
2 or more	1,192	3.1	1,051	2.9	118	5.3	146	6.1	2,159	23.6↓	1,357	22.0↓	103	4.3↓
Medical School Type^b														
Private	15,155	52.3	14,280	52.1	881	54.8	921	55.2	821	55.3	608	53.9	497	58.1
Public	13,844	47.7	13,144	47.9	727	45.2	747	44.8	664	44.7	519	46.1	358	41.9
Top 40 NIH-Funded Medical School^c														
Yes	6,000	29.1	5,810	29.7	202	19.6	205	19.4	230	21.0	186	21.9	121	21.4↓
No	14,595	70.9	13,780	70.3	828	80.4	853	80.6	863	78.9	664	78.1	445	78.6
Couples Status														
Not part of a couple	36,486	93.9	34,303	93.8	2,127	96.0	2,304	96.3	9,091	99.2	6,093	98.8	2,376	100.0
Part of a couple	2,364	6.1	2,281	6.2	88	4.0↓	88	3.7↓	72	0.8↓	72	1.2↓	0	0.0

2024 Main Residency Match	All applicants who secured any position through algorithm or SOAP		Active applicants who secured any position through <u>algorithm</u>		Active applicants who secured any position through <u>SOAP</u>		All applicants who secured any position through <u>SOAP</u>		All applicants who <u>did not</u> secure any position through algorithm or SOAP		Active applicants who <u>did not</u> secure any position through algorithm or SOAP		Withdrawn applicants	
	N=38,850		N=36,584		N=2,215		N=2,392		N=9,163		N=6,165		N=2,376	
	N	%	N	%	N	%	N	%	N	%	N	%	N	%
Median ROL Length ^d														
	12		12		5		5		2		2		N/A	
Mean ROL Length ^d														
	11.80		12.14		6.23		6.23		3.56		3.56		N/A	
Ranked 2 or More Specialties ^e														
No	29,679	76.7	27,995	76.5	1,729	78.1	1,729	78.1	4,980	80.8	4,980	80.8	N/A	
Yes	8,992	23.3	8,589	23.5	484	21.9	484	21.9	1,182	19.2	1,182	19.2	N/A	

↑ denotes an increase of 10% or more compared to the previous Match cycle (i.e., 2023).

↓ denotes a decrease of 10% or more compared to the previous Match cycle (i.e., 2023).

^a Prior MRM participation excludes any MRM cycles in which an applicant was withdrawn.

^b Medical school type includes only applicants who attended medical school in the U.S.

^c Top 40 NIH-funded medical school includes only U.S. MD applicants.

^d Mean and median ROL length calculations excluded applicants participating in the Match as part of a couple.

^e Number of specialties ranked includes active applicants only (i.e., applicants who did not certify a ROL are excluded). Therefore, median and mean ROL length for *All applicants who secured any position through SOAP* and *Active applicants who secured any position through SOAP* and ROL length for *All applicants who did not secure any position* and *Active applicants who did not secure any position* are equal.

Table 1C. Core applicant characteristics and ranking behaviors by Match outcome group, 2023 MRM

2023 Main Residency Match	All applicants who secured any position through algorithm or SOAP		Active applicants who secured any position through <u>algorithm</u>		Active applicants who secured any position through <u>SOAP</u>		All applicants who secured any position through <u>SOAP</u>		All applicants who <u>did not</u> secure any position through algorithm or SOAP		Active applicants who <u>did not</u> secure any position through algorithm or SOAP		Withdrawn applicants	
	N=37,702		N=35,403		N=2,261		N=2,425		N=8,270		N=5,393		N=2,149	
	N	%	N	%	N	%	N	%	N	%	N	%	N	%
Applicant Type														
U.S. MD Seniors	19,421	51.5	18,554	52.4	905	40.0	927	38.2↓	420	5.1↓	349	6.5↓	476	22.1↓
U.S. DO Seniors	7,353	19.5	6,844	19.3	527	23.3	544	22.4	130	1.6↓	100	1.9↓	236	11.0↑
U.S. MD Grads	1,262	3.3	1,092	3.1	161	7.1↑	172	7.1↑	549	6.6	396	7.3	117	5.4
U.S. DO Grads	510	1.4	411	1.2↓	92	4.1	100	4.1	231	2.8	166	3.1	34	1.6↓
U.S. IMGs	3,768	10.0	3,396	9.6	322	14.2	378	15.6	2,178	26.3	1,251	23.2↓	635	29.5↑
Non-U.S. IMGs	5,388	14.3	5,106	14.4	254	11.2↑	304	12.5↑	4,762	57.6↑	3,131	58.1↑	651	30.3
# Previous Times in MRM^a														
0	33,350	88.5	31,549	89.1	1,812	80.1	1,917	79.1	3,997	48.3	2,599	48.2	1,807	84.1
1	3,109	8.2↓	2,750	7.8↓	329	14.6	367	15.1	2,026	24.5	1,413	26.2	231	10.7↓
2 or more	1,243	3.3↑	1,104	3.1↑	120	5.3↑	141	5.8↑	2,247	27.2	1,381	25.6	111	5.2
Medical School Type^b														
Private	14,687	51.5	13,765	51.2	931	55.3	971	55.7	724	54.4	547	54.1	496	57.5
Public	13,859	48.5	13,136	48.8	754	44.7	772	44.3	606	45.6	464	45.9	367	42.5
Top 40 NIH-Funded Medical School^c														
Yes	6,093	29.5	5,905	30.1	210	19.7	215	19.6	215	22.2	175	23.5	147	24.8↓
No	14,590	70.5	13,741	69.9	856	80.3	884	80.4	754	77.8	570	76.5	446	75.2
Couples Status														
Not part of a couple	35,307	93.6	33,100	93.5	2,159	95.5	2,323	95.8	8,190	99.0	5,313	98.5	2,149	100.0
Part of a couple	2,395	6.4	2,303	6.5	102	4.5	102	4.2	80	1.0↑	80	1.5↑	0	0.0

2023 Main Residency Match	All applicants who secured any position through algorithm or SOAP		Active applicants who secured any position through <u>algorithm</u>		Active applicants who secured any position through <u>SOAP</u>		All applicants who secured any position through <u>SOAP</u>		All applicants who <u>did not</u> secure any position through algorithm or SOAP		Active applicants who <u>did not</u> secure any position through algorithm or SOAP		Withdrawn applicants	
	N=37,702		N=35,403		N=2,261		N=2,425		N=8,270		N=5,393		N=2,149	
	N	%	N	%	N	%	N	%	N	%	N	%	N	%
Median ROL Length ^d														
	12		12		5		5		2		2		N/A	
Mean ROL Length ^d														
	12.06		12.43		6.22		6.22		3.46↓		3.46↓		N/A	
Ranked 2 or More Specialties ^e														
No	29,043	77.4	27,343	77.2	1,747	77.4	1,747	77.4	4,422	82.1	4,422	82.1	N/A	
Yes	8,491	22.6	8,060	22.8	510	22.6↓	510	22.6↓	966	17.9↓	966	17.9↓	N/A	

↑ denotes an increase of 10% or more compared to the previous Match cycle (i.e., 2022).

↓ denotes a decrease of 10% or more compared to the previous Match cycle (i.e., 2022).

^a Prior MRM participation excludes any MRM cycles in which an applicant was withdrawn.

^b Medical school type includes only applicants who attended medical school in the U.S.

^c Top 40 NIH-funded medical school includes only U.S. MD applicants.

^d Mean and median ROL length calculations excluded applicants participating in the Match as part of a couple.

^e Number of specialties ranked includes active applicants only (i.e., applicants who did not certify a ROL are excluded). Therefore, median and mean ROL length for *All applicants who secured any position through SOAP* and *Active applicants who secured any position through SOAP* and ROL length for *All applicants who did not secure any position* and *Active applicants who did not secure any position* are equal.

Table 1D. Core applicant characteristics and ranking behaviors by Match outcome group, 2022 MRM

2022 Main Residency Match	All applicants who secured any position through algorithm or SOAP		Active applicants who secured any position through <u>algorithm</u>		Active applicants who secured any position through <u>SOAP</u>		All applicants who secured any position through <u>SOAP</u>		All applicants who <u>did not</u> secure any position through algorithm or SOAP		Active applicants who <u>did not</u> secure any position through algorithm or SOAP		Withdrawn applicants	
	N=36,538		N=34,585		N=2,012		N=2,101		N=9,046		N=6,082		N=2,066	
	N	%	N	%	N	%	N	%	N	%	N	%	N	%
Applicant Type														
U.S. MD Seniors	19,386	53.1	18,560	53.7	887	44.1	902	42.9	654	7.2	531	8.7	513	24.8
U.S. DO Seniors	7,177	19.6	6,701	19.4	501	24.9	511	24.3	190	2.1	136	2.2	199	9.6
U.S. MD Grads	1,221	3.3	1,098	3.2	115	5.7	125	5.9	654	7.2	489	8.0	118	5.7
U.S. DO Grads	541	1.5	453	1.3	89	4.4	91	4.3	242	2.7	175	2.9	53	2.6
U.S. IMGs	3,440	9.4	3,148	9.1	266	13.2	304	14.5	2,619	29.0	1,646	27.1	549	26.6
Non-U.S. IMGs	4,773	13.1	4,625	13.4	154	7.7	168	8.0	4,687	51.8	3,105	51.1	634	30.7
# Previous Times in MRM^a														
0	32,077	87.8	30,493	88.2	1,654	82.2	1,718	81.8	4,305	47.6	2,842	46.7	1,671	80.9
1	3,396	9.3	3,114	9.0	280	13.9	294	14.0	2,217	24.5	1,615	26.6	295	14.3
2 or more	1,065	2.9	978	2.8	78	3.9	89	4.2	2,524	27.9	1,625	26.7	100	4.8
Medical School Type^b														
Private	14,497	51.2	13,655	50.9	900	56.5	917	56.3	900	51.8	697	52.4	478	54.2
Public	13,828	48.8	13,157	49.1	692	43.5	712	43.7	838	48.2	634	47.6	404	45.8
Top 40 NIH-Funded Medical School^c														
Yes	6,231	30.2	6,051	30.8	190	19.0	194	18.9	297	22.7	239	23.4	178	28.2
No	14,376	69.8	13,607	69.2	812	81.0	833	81.1	1,011	77.3	781	76.6	453	71.8
Couples Status														
Not part of a couple	34,168	93.5	32,295	93.4	1,928	95.8	2,017	96.0	8,972	99.2	6,008	98.8	2,066	100.0
Part of a couple	2,370	6.5	2,290	6.6	84	4.2	84	4.0	74	0.8	74	1.2	0	0.0

2022 Main Residency Match	All applicants who secured any position through algorithm or SOAP		Active applicants who secured any position through <u>algorithm</u>		Active applicants who secured any position through <u>SOAP</u>		All applicants who secured any position through <u>SOAP</u>		All applicants who <u>did not</u> secure any position through algorithm or SOAP		Active applicants who <u>did not</u> secure any position through algorithm or SOAP		Withdrawn applicants	
	N=36,538		N=34,585		N=2,012		N=2,101		N=9,046		N=6,082		N=2,066	
	N	%	N	%	N	%	N	%	N	%	N	%	N	%
Median ROL Length ^d														
	12		12		5		5		2		2		N/A	
Mean ROL Length ^d														
	12.25		12.58		6.78		6.78		3.86		3.86		N/A	
Ranked 2 or More Specialties ^e														
No	28,106	77.1	26,677	77.1	1,501	74.6	1,501	74.6	4,831	79.5	4,831	79.5	N/A	
Yes	8,342	22.9	7,908	22.9	510	25.4	510	25.4	1,247	20.5	1,247	20.5	N/A	

^a Prior MRM participation excludes any MRM cycles in which an applicant was withdrawn.

^b Medical school type includes only applicants who attended medical school in the U.S.

^c Top 40 NIH-funded medical school includes only U.S. MD applicants.

^d Mean and median ROL length calculations excluded applicants participating in the Match as part of a couple.

^e Number of specialties ranked includes active applicants only (i.e., applicants who did not certify a ROL are excluded). Therefore, median and mean ROL length for *All applicants who secured any position through SOAP* and *Active applicants who secured any position through SOAP* and ROL length for *All applicants who did not secure any position* and *Active applicants who did not secure any position* are equal.

Demographic Characteristics

Tables 2A-D present the demographic characteristics of applicants who consented to self-report demographic information during Match registration. Applicants may opt out of providing any demographic information and can opt out of responding to any individual question by selecting “I prefer not to answer.” Across Match outcome groups and Match cycles, 78-87% of applicants consented to provide demographic information, with consent rates highest among *applicants who secured any position through the matching algorithm* and lowest among *all applicants who did not secure any position*.

Detailed information about NRMP’s demographic survey items can be found in NRMP’s annual MRM demographics report, [*Charting Outcomes™: Demographic Characteristics of Applicants in the Main Residency Match® and SOAP®*](#). To optimize inclusion of applicant characteristics in this report, response options for some demographic measures were collapsed during analyses. Additional information about some of the response categories included in **Tables 2A-D** is included in the **appendix**.

Increases and decreases of 10% or more from one Match cycle to the next within a given Match outcome group are denoted in **Tables 2A-D** with green (increases $\geq 10\%$) and red (decreases $\geq 10\%$) arrows.

Notable differences between Match outcomes groups that were consistent over time include the following:

- Compared to *all/active applicants who did not secure any position*:
 - Higher percentages of *applicants who secured any position through the algorithm* were **female**.
 - Higher percentages of all four *secured any position* Match outcome groups were **lesbian, gay, bisexual, or another non-heterosexual sexual identity**.
 - Higher percentages of *applicants who secured any position* were **white**.
 - Lower percentages of *applicants who secured any position* were **Asian** or **Black/African American**.
 - Lower percentages of all four *secured any position* Match outcome groups were from **urban** areas and higher percentages were from **suburban** areas.
 - Slightly higher percentages of all four *secured any position* Match outcome groups were **first generation medical school graduates**.
 - Higher percentages of *all/active applicants who secured any position through SOAP* had **received public assistance before age 18**.
- Higher percentages of *withdrawn applicants* were **underrepresented in medicine** compared to *applicants who secured any position through the algorithm*.
- Higher percentages of *all/active applicants who secured any position in SOAP* **self-reported having a disability** compared to other outcome groups.
- A slightly lower percentage of *applicants who secured any position through the algorithm* had **contributed to their family’s income before age 18** compared to other Match outcome groups.

Notable changes over time include:

- From 2022 to 2025, there was over a 10-percentage point decline in the percentage of *all/active applicants who did not secure any position* who were **white**. For example, 32.1% of *all applicants who did not secure any position* were **white** in 2022, compared to 21.7% in 2025, a 32.4% decline.
- The percentage of *all/active applicants who secured any position through SOAP* who were **Black/African American** consistently increased from 2022 to 2025. For example, in 2022 8.1% of *all applicants who secured any position through SOAP* were **Black/African American** compared to 15.1% in 2025, an 86.4% increase.

Table 2A. Demographic characteristics by Match outcome group, 2025 MRM

2025 Main Residency Match	All applicants who secured any position through algorithm or SOAP N=40,482		Active applicants who secured any position through algorithm N=38,323		Active applicants who secured any position through SOAP N=2,131		All applicants who secured any position through SOAP N=2,307		All applicants who did not secure any position through algorithm or SOAP N=9,680		Active applicants who did not secure any position through algorithm or SOAP N=6,887		Withdrawn applicants N=2,306	
	N	%	N	%	N	%	N	%	N	%	N	%	N	%
Consented to Provide Demographic Information														
Yes	34,876	86.2	33,104	86.4	1,769	83.0	1,903	82.5	7,651	79.0	5,517	80.1	1,890	82.0
No	5,606	13.8	5,219	13.6	362	17.0	404	17.5	2,029	21.0	1,370	19.9	416	18.0
Sex Assigned at Birth														
Female	18,966	54.8	18,113	55.1	848	48.4	911	48.4	3,352	44.2	2,322	42.5	938	50.1
Male	15,648	45.2	14,745	44.9	903	51.6	972	51.6	4,226	55.8	3,144	57.5	934	49.9
Sexual Minority Status														
Heterosexual	29,635	91.1	28,169	91.2	1,459	89.1	1,572	89.4	6,782	95.7	4,899	95.7	1,663	94.0
Sexual Minority	2,901	8.9	2,724	8.8	178	10.9↑	187	10.6↑	306	4.3	220	4.3	107	6.0
Race														
Asian	10,771	32.2	10,213	32.2	562	33.4	599	33.1	3,646	50.5↑	2,609	50.0	594	33.4
Black/African American	3,241	9.7↑	2,986	9.4↑	248	14.7↑	273	15.1↑	1,113	15.4	789	15.1↑	263	14.8↑
Other	2,666	8.0↑	2,545	8.0↑	118	7.0	129	7.1	898	12.4	674	12.9	211	11.9↓
White	16,733	50.1	15,981	50.4	756	44.9	807	44.6	1,569	21.7↓	1,141	21.9↓	712	40.0↑
Hispanic/Latino														
Yes	4,139	12.1	3,899	12.0	238	13.8	257	13.9	732	9.9↓	541	10.1↓	301	16.5↑
No	30,010	87.9	28,521	88.0	1,486	86.2	1,596	86.1	6,686	90.1	4,811	89.9	1,527	83.5
Underrepresented in Medicine														
Yes	7,515	21.5	7,021	21.2	482	27.2	529	27.8	1,853	24.2	1,332	24.1	563	29.8↑
No	27,361	78.5	26,083	78.8	1,287	72.8	1,374	72.2	5,798	75.8	4,185	75.9	1,327	70.2
Disability Status														
Yes	2,430	7.4	2,216	7.1	207	12.9	223	12.9	306	4.2	219	4.2	153	8.5↑
No	30,243	92.6	28,849	92.9	1,398	87.1	1,503	87.1	7,008	95.8	5,051	95.8	1,643	91.5

2025 Main Residency Match	All applicants who secured any position through algorithm or SOAP		Active applicants who secured any position through <u>algorithm</u>		Active applicants who secured any position through <u>SOAP</u>		All applicants who secured any position through <u>SOAP</u>		All applicants who <u>did not</u> secure any position through algorithm or SOAP		Active applicants who <u>did not</u> secure any position through algorithm or SOAP		Withdrawn applicants	
	N=40,482		N=38,323		N=2,131		N=2,307		N=9,680		N=6,887		N=2,306	
	N	%	N	%	N	%	N	%	N	%	N	%	N	%
Childhood Urbanicity														
Rural	5,690	16.8	5,411	16.8	275	16.1	296	16.1	1,257	17.1	900	16.9	323	17.8
Suburban	20,119	59.4	19,065	59.3	1,061	62.3	1,133	61.8	2,619	35.6	1,938	36.5	877	48.2
Urban	8,059	23.8	7,682	23.9	368	21.6↓	404	22.0↓	3,479	47.3	2,473	46.6	619	34.0
First Generation College Graduate														
Yes	5,995	17.5	5,619	17.3	368	21.4	398	21.5	1,664	22.3	1,170	21.7	410	22.2
No	28,193	82.5	26,846	82.7	1,349	78.6	1,449	78.5	5,795	77.7	4,210	78.3	1,439	77.8
First Generation Medical School Grad														
Yes	25,807	75.1	24,472	75.0	1,322	76.2	1,419	76.0	5,253	70.1	3,756	69.5	1,366	73.8
No	8,575	24.9	8,166	25.0	413	23.8	447	24.0	2,243	29.9	1,646	30.5	485	26.2
Contributed to Family Income Before Age 18^a														
Yes	4,119	15.0	3,828	14.7	289	20.0	307	20.0	534	22.1	364	21.5	242	21.5↑
No	23,283	85.0	22,137	85.3	1,154	80.0	1,231	80.0	1,881	77.9	1,327	78.5	883	78.5
Received Public Assistance Before Age 18^a														
Yes	5,407	20.6	5,036	20.2	369	26.7↑	395	26.8↑	440	19.0	320	19.7↑	239	22.4
No	20,893	79.4	19,888	79.8	1,015	73.3	1,077	73.2	1,875	81.0	1,307	80.3	829	77.6

↑ denotes an increase of 10% or more compared to the previous Match cycle (i.e., 2024).

↓ denotes a decrease of 10% or more compared to the previous Match cycle (i.e., 2024).

^a Only asked of U.S. citizen applicants.

Table 2B. Demographic characteristics by Match outcome group, 2024 MRM

2024 Main Residency Match	All applicants who secured any position through algorithm or SOAP N=38,850		Active applicants who secured any position through <u>algorithm</u> N=36,584		Active applicants who secured any position through <u>SOAP</u> N=2,215		All applicants who secured any position through <u>SOAP</u> N=2,392		All applicants who <u>did not</u> secure any position through algorithm or SOAP N=9,163		Active applicants who <u>did not</u> secure any position through algorithm or SOAP N=6,165		Withdrawn applicants N=2,376	
	N	%	N	%	N	%	N	%	N	%	N	%	N	%
Consented to Provide Demographic Information														
Yes	33,488	86.2	31,631	86.5	1,815	81.9	1,963	82.1	7,292	79.6	4,953	80.3	1,979	83.3
No	5,362	13.8	4,953	13.5	400	18.1	429	17.9	1,871	20.4	1,212	19.7	397	16.7
Sex Assigned at Birth														
Female	17,813	53.6	16,970	54.0	810	45.3↑	888	45.8↑	3,203	44.4	2,116	43.1	968	49.4
Male	15,434	46.4	14,442	46.0	980	54.7	1,050	54.2	4,014	55.6	2,790	56.9	993	50.6
Sexual Minority Status														
Heterosexual	28,886	91.8	27,311	91.8	1,541	91.7	1,671	91.9	6,471	95.7	4,391	95.4	1,759	93.9
Sexual Minority	2,585	8.2	2,440	8.2	140	8.3	148	8.1	290	4.3	211	4.6	115	6.1
Race														
Asian	10,049	31.3	9,488	31.2	546	31.6	592	31.7	3,163	45.8	2,161	46.0	675	35.9
Black/African American	2,816	8.8	2,593	8.5	214	12.4↑	238	12.7↑	987	14.3	626	13.3	243	12.9↓
Other	2,315	7.2	2,201	7.2	113	6.5↓	127	6.8↓	927	13.4	656	14.0	287	15.3↑
White	16,975	52.8	16,102	53.0	854	49.4	911	48.8	1,826	26.5	1,257	26.7	676	35.9↓
Hispanic/Latino														
Yes	3,907	11.9	3,658	11.8	240	13.6	260	13.7	807	11.4↓	550	11.4↓	284	14.8
No	28,900	88.1	27,348	88.2	1,519	86.4	1,643	86.3	6,259	88.6	4,260	88.6	1,634	85.2
Underrepresented in Medicine														
Yes	6,886	20.6	6,409	20.3	462	25.5	506	25.8	1,775	24.3	1,158	23.4	523	26.4
No	26,602	79.4	25,222	79.7	1,353	74.5	1,457	74.2	5,517	75.7	3,795	76.6	1,456	73.6
Disability Status														
Yes	2,192	7.0↑	1,977	6.7↑	203	12.4↑	219	12.3↑	283	4.1	190	4.0	114	6.1
No	29,206	93.0	27,740	93.3	1,440	87.6	1,560	87.7	6,697	95.9	4,558	96.0	1,770	93.9

2024 Main Residency Match	All applicants who secured any position through algorithm or SOAP		Active applicants who secured any position through <u>algorithm</u>		Active applicants who secured any position through <u>SOAP</u>		All applicants who secured any position through <u>SOAP</u>		All applicants who <u>did not</u> secure any position through algorithm or SOAP		Active applicants who <u>did not</u> secure any position through algorithm or SOAP		Withdrawn applicants	
	N=38,850		N=36,584		N=2,215		N=2,392		N=9,163		N=6,165		N=2,376	
	N	%	N	%	N	%	N	%	N	%	N	%	N	%
Childhood Urbanicity														
Rural	5,455	16.7	5,154	16.7	296	16.9↓	318	16.8↓	1,146	16.3	780	16.3	354	18.5
Suburban	19,400	59.5	18,366	59.6	1,012	57.8	1,089	57.6	2,422	34.5↑	1,685	35.1↑	916	47.8
Urban	7,727	23.7	7,275	23.6	444	25.3	483	25.6	3,451	49.2	2,330	48.6	645	33.7
First Generation College Graduate														
Yes	5,701	17.3	5,341	17.2	357	20.1	388	20.2	1,551	21.8↑	1,047	21.6↑	442	22.8
No	27,196	82.7	25,739	82.8	1,416	79.9	1,529	79.8	5,571	78.2	3,796	78.4	1,498	77.2
First Generation Medical School Grad														
Yes	24,770	74.9	23,410	74.9	1,336	75.1	1,439	74.8	5,052	70.6	3,411	70.1	1,448	74.2
No	8,301	25.1	7,839	25.1	443	24.9	485	25.2	2,103	29.4	1,454	29.9	503	25.8
Contributed to Family Income Before Age 18^a														
Yes	4,030	15.0	3,749	14.8	279	19.0	303	19.2	525	20.7	349	20.5	218	19.4
No	22,750	85.0	21,531	85.2	1,189	81.0	1,272	80.8	2,009	79.3	1,356	79.5	907	80.6
Received Public Assistance Before Age 18^a														
Yes	4,951	19.4	4,603	19.1	332	23.3	369	24.2	425	17.6↑	284	17.4	218	20.5
No	20,610	80.6	19,510	80.9	1,091	76.7	1,154	75.8	1,991	82.4	1,347	82.6	846	79.5

↑ denotes an increase of 10% or more compared to the previous Match cycle (i.e., 2023).

↓ denotes a decrease of 10% or more compared to the previous Match cycle (i.e., 2023).

^a Only asked of U.S. citizen applicants.

Table 2C. Demographic characteristics by Match outcome group, 2023 MRM

2023 Main Residency Match	All applicants who secured any position through algorithm or SOAP N=37,702		Active applicants who secured any position through <u>algorithm</u> N=35,403		Active applicants who secured any position through <u>SOAP</u> N=2,261		All applicants who secured any position through <u>SOAP</u> N=2,425		All applicants who did not secure any position through algorithm or SOAP N=8,270		Active applicants who did not secure any position through algorithm or SOAP N=5,393		Withdrawn applicants N=2,149	
	N	%	N	%	N	%	N	%	N	%	N	%	N	%
Consented to Provide Demographic Information														
Yes	32,859	87.2	30,951	87.4	1,889	83.5	2,016	83.1	6,572	79.5	4,315	80.0	1,800	83.8
No	4,843	12.8	4,452	12.6	372	16.5	409	16.9	1,698	20.5	1,078	20.0	349	16.2
Sex Assigned at Birth														
Female	16,902	51.8	16,125	52.4	760	40.7	820	41.1	2,932	45.0	1,829	42.7	824	46.2
Male	15,735	48.2	14,625	47.6	1109	59.3	1174	58.9	3,586	55.0	2,456	57.3	960	53.8
Sexual Minority Status														
Heterosexual	28,480	92.0	26,852	92.1	1,615	91.4	1,725	91.5	5,887	95.8	3,862	95.8	1,585	94.4
Sexual Minority	2,474	8.0	2,319	7.9	152	8.6	160	8.5	255	4.2↑	170	4.2↑	94	5.6
Race														
Asian	9,711	30.7	9,168	30.7	528	29.2	573	29.7	2,777	44.6	1,827	44.6	558	32.6
Black/African American	2,624	8.3	2,446	8.2	179	9.9↑	194	10.1↑	871	14.0	531	13.0	255	14.9↑
Other	2,191	6.9↑	2,036	6.8↑	154	8.5↑	164	8.5↑	808	13.0	528	12.9	164	9.6
White	17,132	54.1	16,185	54.2	947	52.4	996	51.7↓	1,774	28.5↓	1,213	29.6	733	42.9
Hispanic/Latino														
Yes	3,646	11.3	3,389	11.2	255	13.8	269	13.6	842	13.2	565	13.5	267	15.2
No	28,553	88.7	26,945	88.8	1,594	86.2	1,702	86.4	5,530	86.8	3,622	86.5	1,490	84.8
Underrepresented in Medicine														
Yes	6,459	19.7	6,011	19.4	445	23.6↑	475	23.6↑	1,707	26.0	1,093	25.3	517	28.7
No	26,400	80.3	24,940	80.6	1,444	76.4	1,541	76.4	4,865	74.0	3,222	74.7	1,283	71.3
Disability Status														
Yes	1,970	6.3	1,768	6.0	194	11.1	209	11.2	256	4.0	169	4.1↓	110	6.4
No	29,074	93.7	27,503	94.0	1,561	88.9	1,662	88.8	6,082	96.0	3,993	95.9	1,596	93.6

2023 Main Residency Match	All applicants who secured any position through algorithm or SOAP		Active applicants who secured any position through <u>algorithm</u>		Active applicants who secured any position through <u>SOAP</u>		All applicants who secured any position through <u>SOAP</u>		All applicants who <u>did not</u> secure any position through algorithm or SOAP		Active applicants who <u>did not</u> secure any position through algorithm or SOAP		Withdrawn applicants	
	N=37,702		N=35,403		N=2,261		N=2,425		N=8,270		N=5,393		N=2,149	
	N	%	N	%	N	%	N	%	N	%	N	%	N	%
Childhood Urbanicity														
Rural	5,653	17.7	5,305	17.6	347	19.1	370	19.1	1,035	16.4	695	16.7	302	17.4
Suburban	17,932	56.2	16,874	56.1	1,049	57.6	1,104	56.8	1,921	30.4↓	1,279	30.7↓	809	46.7
Urban	8,318	26.1	7,886	26.2	424	23.3	468	24.1	3,368	53.3	2,195	52.7	623	35.9
First Generation College Graduate														
Yes	5,344	16.5	4,992	16.4	348	18.8↓	373	18.9↓	1,251	19.4	814	19.2	380	21.6↑
No	27,000	83.5	25,484	83.6	1,501	81.2	1,599	81.1	5,190	80.6	3,419	80.8	1,377	78.4
First Generation Medical School Grad														
Yes	24,150	74.4	22,715	74.3	1,420	76.3	1,511	76.2	4,448	69.0	2,922	69.0	1,267	71.9
No	8,300	25.6	7,858	25.7	440	23.7	472	23.8	2,002	31.0	1,315	31.0	496	28.1
Contributed to Family Income Before Age 18 ^a														
Yes	3,861	14.3	3,570	14.1	289	18.2	313	18.8	491	19.6	328	20.2	248	21.0↑
No	23,046	85.7	21,754	85.9	1,296	81.8	1,351	81.2	2,013	80.4	1,299	79.8	933	79.0
Received Public Assistance Before Age 18 ^a														
Yes	4,806	18.7	4,478	18.5	337	22.5	351	22.4	372	15.6	257	16.5	226	20.2
No	20,837	81.3	19,677	81.5	1,164	77.5	1,216	77.6	2,017	84.4	1,296	83.5	892	79.8

↑ denotes an increase of 10% or more compared to the previous Match cycle (i.e., 2022).

↓ denotes a decrease of 10% or more compared to the previous Match cycle (i.e., 2022).

^a Only asked of U.S. citizen applicants.

Table 2D. Demographic characteristics by Match outcome group, 2022 MRM

2022 Main Residency Match	All applicants who secured any position through algorithm or SOAP N=36,538		Active applicants who secured any position through <u>algorithm</u> N=34,585		Active applicants who secured any position through <u>SOAP</u> N=2,012		All applicants who secured any position through <u>SOAP</u> N=2,101		All applicants who did not secure any position through algorithm or SOAP N=9,046		Active applicants who did not secure any position through algorithm or SOAP N=6,082		Withdrawn applicants N=2,066	
	N	%	N	%	N	%	N	%	N	%	N	%	N	%
Consented to Provide Demographic Information														
Yes	31,945	87.4	30,312	87.6	1,687	83.8	1,760	83.8	7,070	78.2	4,800	78.9	1,710	82.8
No	4,593	12.6	4,273	12.4	325	16.2	341	16.2	1,976	21.8	1,282	21.1	356	17.2
Sex Assigned at Birth														
Female	16,256	51.3	15,603	51.9	657	39.6	691	39.9	3,002	42.9	1,950	41.1	761	44.8
Male	15,422	48.7	14,470	48.1	1003	60.4	1041	60.1	3,989	57.1	2,794	58.9	937	55.2
Sexual Minority Status														
Heterosexual	27,960	92.6	26,569	92.6	1,442	91.7	1,508	92.0	6,337	96.4	4,307	96.4	1,531	94.4
Sexual Minority	2,237	7.4	2,108	7.4	130	8.3	132	8.0	240	3.6	163	3.6	90	5.6
Race														
Asian	9,176	29.8	8,745	29.9	450	28.1	471	28.2	2,791	41.9	1,888	41.9	505	31.2
Black/African American	2,489	8.1	2,363	8.1	128	8.0	136	8.1	928	13.9	622	13.8	200	12.4
Other	1,897	6.2	1,803	6.2	93	5.8	100	6.0	804	12.1	548	12.1	168	10.4
White	17,191	55.9	16,293	55.8	931	58.1	964	57.7	2,134	32.1	1,453	32.2	744	46.0
Hispanic/Latino														
Yes	3,446	11.0	3,234	10.9	210	12.8	225	13.2	916	13.4	638	13.7	270	16.4
No	27,849	89.0	26,479	89.1	1,426	87.2	1,481	86.8	5,927	86.6	4,003	86.3	1,381	83.6
Underrepresented in Medicine														
Yes	6,080	19.0	5,738	18.9	341	20.2	366	20.8	1,845	26.1	1,259	26.2	476	27.8
No	25,865	81.0	24,574	81.1	1,346	79.8	1,394	79.2	5,225	73.9	3,541	73.8	1,234	72.2
Disability Status														
Yes	1,766	5.8	1,598	5.6	172	11.1	175	10.8	292	4.3	227	5.0	97	5.9
No	28,437	94.2	27,116	94.4	1,376	88.9	1,439	89.2	6,442	95.7	4,335	95.0	1,540	94.1

2022 Main Residency Match	All applicants who secured any position through algorithm or SOAP N=36,538		Active applicants who secured any position through <u>algorithm</u> N=34,585		Active applicants who secured any position through <u>SOAP</u> N=2,012		All applicants who secured any position through <u>SOAP</u> N=2,101		All applicants who <u>did not</u> secure any position through algorithm or SOAP N=9,046		Active applicants who <u>did not</u> secure any position through algorithm or SOAP N=6,082		Withdrawn applicants N=2,066	
	N	%	N	%	N	%	N	%	N	%	N	%	N	%
Childhood Urbanicity														
Rural	5,434	17.6	5,150	17.5	300	18.5	307	18.2	1,100	16.4	750	16.5	284	17.3
Suburban	18,053	58.4	17,114	58.3	972	59.9	1,008	59.6	2,312	34.4	1,591	34.9	791	48.1
Urban	7,446	24.1	7,105	24.2	351	21.6	375	22.2	3,306	49.2	2,212	48.6	568	34.6
First Generation College Graduate	N	%	N	%	N	%	N	%	N	%	N	%	N	%
Yes	5,071	16.1	4,727	15.9	350	21.3	364	21.2	1,327	19.2	896	19.1	317	18.9
No	26,332	83.9	25,089	84.1	1,292	78.7	1,350	78.8	5,569	80.8	3,788	80.9	1,359	81.1
First Generation Medical School Grad														
Yes	23,150	73.5	21,947	73.4	1,243	75.5	1,294	75.4	4,643	67.1	3,156	67.3	1,174	69.6
No	8,355	26.5	7,967	26.6	403	24.5	423	24.6	2,275	32.9	1,535	32.7	513	30.4
Contributed to Family Income Before Age 18 ^a														
Yes	3,657	13.9	3,399	13.6	260	17.7	271	17.8	615	20.0	421	20.0	209	18.5
No	22,736	86.1	21,576	86.4	1,205	82.3	1,250	82.2	2,454	80.0	1,685	80.0	921	81.5
Received Public Assistance Before Age 18 ^a														
Yes	4,542	18.0	4,264	17.8	284	20.4	295	20.4	442	15.1	308	15.3	201	18.9
No	20,713	82.0	19,646	82.2	1,107	79.6	1,151	79.6	2,486	84.9	1,700	84.7	863	81.1

^a Only asked of U.S. citizen applicants.

Academic Characteristics

Tables 3A-D present academic characteristics based on applicants who consented to provide academic information during Match registration. Across Match outcome groups and Match cycles, over 75% of applicants consented to provide academic data, with consent rates highest among *applicants who secured any position through the algorithm* and lowest among *all/active applicants who did not secure any position*.

All data, including USMLE and COMLEX-USA data, are self-reported. Due to very low percentages of applicants self-reporting a fail result, USMLE Step 1 and COMLEX-USA Level 1 pass/fail information have been excluded. Detailed information about the applicant characteristics that NRMP assesses in R3 is included in the **appendix**. Of note, this information is captured differently than in application services so should not be directly compared to academic data reported by other entities.

Increases and decreases of 10% or more from one Match cycle to the next within a given Match outcome group are denoted in **Tables 3A-D** with green (increases $\geq 10\%$) and red (decreases $\geq 10\%$) arrows.

Notable patterns in academic characteristics that were consistent over time include:

- Compared to *all/active applicants who did not secure any position*:
 - *Applicants who secured any position through the algorithm* had slightly more **abstracts, presentations, and publications**.
 - All four groups of *applicants who secured any position* had more **volunteer experiences**. This distinction was most pronounced in 2022 and 2023, after which the number of volunteer experiences declined by 40-57% across groups, narrowing the gap between those who did and did not secure any position to within one experience.
 - Those who *secured any position* had slightly **fewer work experiences**.
- *Active applicants who secured any position through the algorithm* had the highest median **USMLE Step 2 CK** score, followed by *all/active applicants who secured any position through SOAP* and *withdrawn applicants* (these two groups had comparable median scores), and *all/active applicants who did not secure any position*.
- For U.S. DO applicants, *withdrawn applicants* had the highest median **COMLEX-USA Level 2-CE** score followed by *active applicants who secured any position through the algorithm*, *all/active applicants who secured any position through SOAP*, and *all/active applicants who did not secure any position*.

Notable changes over time include:

- With few exceptions, the percentages of applicants who reported having **no abstracts, presentations, and publications** declined over time.
- Increasing percentages of all applicant groups reported having **10 or more abstracts, presentations, and publications**. For example, in 2022 16.3% of *all applicants who secured any position in SOAP* had 10 or more **abstracts, presentations, and publications**, while 24.6% did so in 2025, a 50.9% increase.
- Median number of work experiences declined for all Match outcome groups from 2022 to 2025, with the biggest declines happening from 2023 to 2024.

Table 3A. Academic characteristics by Match outcome group, 2025 MRM

2025 Main Residency Match	All applicants who secured any position through algorithm or SOAP N=40,482		Active applicants who secured any position through <u>algorithm</u> N=38,323		Active applicants who secured any position through <u>SOAP</u> N=2,131		All applicants who secured any position through <u>SOAP</u> N=2,307		All applicants who <u>did not</u> secure any position through algorithm or SOAP N=9,680		Active applicants who <u>did not</u> secure any position through algorithm or SOAP N=6,887		Withdrawn applicants N=2,306	
	N	%	N	%	N	%	N	%	N	%	N	%	N	%
Consented to Provide Academic Information														
Yes	33,000	81.5	31,314	81.7	1,686	79.1	1,812	78.5	7,310	75.5	5,270	76.5	1,771	76.8
No	7,482	18.5	7,009	18.3	445	20.9↓	495	21.5↓	2,370	24.5	1,617	23.5	535	23.2
PhD Status														
Yes	715	2.3	690	2.4	29	1.9↑	30	1.8	157	2.4	108	2.3↓	34	2.1↑
No	30,017	97.7	28,489	97.6	1,514	98.1	1,630	98.2	6,439	97.6	4,664	97.7	1,566	97.9
Other Graduate Degree														
Yes	6,461	21.0	6,082	20.9	375	24.3	407	24.5	1,835	27.6	1,256	26.1↑	435	27.0↑
No	24,258	79.0	23,085	79.1	1,166	75.7	1,252	75.5	4,824	72.4	3,548	73.9	1,176	73.0
# Abstracts, Presentations, Publications														
Median	5↑		5↑		4		4		3		4↑		3	
0	2,635	9.6↓	2,463	9.4↓	159	11.8↓	179	12.3↓	612	10.8↓	409	9.8↓	187	13.5
1 to 3	8,091	29.4	7,630	29.2	452	33.4	486	33.5	2,297	40.4	1,641	39.2	543	39.3
4 to 6	5,557	20.2	5,304	20.3	260	19.2	274	18.9	1,126	19.8	877	21.0	266	19.2
7 to 9	3,488	12.7	3,351	12.8	144	10.6	154	10.6	542	9.5	412	9.9	118	8.5
10 or more	7,719	28.1↑	7,390	28.3↑	338	25.0↑	357	24.6↑	1,113	19.6	843	20.2	268	19.4
# Research Experiences														
Median	2		2		2		2		2		2		2	
0	2,238	8.2	2,094	8.1	129	9.5	145	10.0	638	11.3↓	434	10.5↓	150	11.1
1	5,768	21.1	5,497	21.1	263	19.5	283	19.6	1,512	26.9	1,096	26.5	338	25.0
2	6,391	23.4	6,101	23.5	299	22.1	315	21.8	1,174	20.8	893	21.6	287	21.3
3	5,105	18.7	4,840	18.6	269	19.9	283	19.6	803	14.3	589	14.3	201	14.9
4	2,819	10.3	2,696	10.4	132	9.8	140	9.7	493	8.8↑	368	8.9↑	119	8.8
5 or more	5,034	18.4	4,778	18.4	260	19.2	281	19.4	1,011	18.0↑	752	18.2↑	255	18.9

2025 Main Residency Match	All applicants who secured any position through algorithm or SOAP N=40,482		Active applicants who secured any position through <u>algorithm</u> N=38,323		Active applicants who secured any position through <u>SOAP</u> N=2,131		All applicants who secured any position through <u>SOAP</u> N=2,307		All applicants who <u>did not</u> secure any position through algorithm or SOAP N=9,680		Active applicants who <u>did not</u> secure any position through algorithm or SOAP N=6,887		Withdrawn applicants N=2,306	
	N	%	N	%	N	%	N	%	N	%	N	%	N	%
# Volunteer Experiences														
Median	3		3		3		3		2		2		3	
0	411	1.5	382	1.4	27	2.0↑	31	2.1↑	249	4.2	163	3.7	41	2.9↑
1 to 2	8,365	30.1	7,969	30.1	401	29.3	430	29.3	2,846	47.6	2,112	48.3	478	34.4
3 to 4	10,273	36.9	9,770	36.9	501	36.6↑	537	36.6	1,776	29.7	1,309	29.9	492	35.4↑
5 to 6	5,024	18.1	4,778	18.1	244	17.8	259	17.7	629	10.5	466	10.7	207	14.9
7 or more	3,739	13.4	3,544	13.4	194	14.2↓	210	14.3↓	477	8.0	324	7.4	173	12.4
# Work Experiences														
Median	2		2		2		2		3↓		3↓		3	
0	2,990	10.8	2,871	10.9	123	8.9	129	8.7	194	3.2↑	160	3.6↑	89	6.2↑
1	7,481	26.9	7,166	27.1	313	22.6	334	22.5	755	12.3	573	12.9	237	16.5↑
2	6,891	24.8	6,537	24.7	365	26.4↑	387	26.1↑	1,076	17.6	832	18.7↑	304	21.2↓
3	4,721	17.0	4,484	17.0	238	17.2	257	17.3	1,049	17.1	769	17.3	227	15.8↓
4	2,186	7.9	2,075	7.9	109	7.9↓	119	8.0↓	781	12.7	549	12.3	181	12.6
5 or more	3,539	12.7↓	3,290	12.5↓	234	16.9	258	17.4↓	2,274	37.1	1,574	35.3	396	27.6
USMLE Step 2 CK median score														
	249		249		241		240		236		238		240.5	
COMLEX Level 2-CE median score ^a														
	535		537		508		506.5		505		505		538	

↑ denotes an increase of 10% or more compared to the previous Match cycle (i.e., 2024).

↓ denotes a decrease of 10% or more compared to the previous Match cycle (i.e., 2024).

^a Restricted to U.S. DO Seniors and U.S. DO Graduates.

Table 3B. Academic characteristics by Match outcome group, 2024 MRM

2024 Main Residency Match	All applicants who secured any position through algorithm or SOAP N=38,850		Active applicants who secured any position through <u>algorithm</u> N=36,584		Active applicants who secured any position through <u>SOAP</u> N=2,215		All applicants who secured any position through <u>SOAP</u> N=2,392		All applicants who <u>did not</u> secure any position through algorithm or SOAP N=9,163		Active applicants who <u>did not</u> secure any position through algorithm or SOAP N=6,165		Withdrawn applicants N=2,376	
	N	%	N	%	N	%	N	%	N	%	N	%	N	%
Consented to Provide Academic Information														
Yes	31,163	80.2	29,445	80.5	1,683	76.0	1,819	76.0	6,914	75.5	4,687	76.0	1,836	77.3
No	7,687	19.8	7,139	19.5	532	24.0	573	24.0	2,249	24.5	1,478	24.0	540	22.7
PhD Status														
Yes	710	2.3	683	2.3	28	1.7↑	31	1.7↑	175	2.5	121	2.6	27	1.5↓
No	30,453	97.7	28,762	97.7	1,655	98.3	1,788	98.3	6,739	97.5	4,566	97.4	1,809	98.5
Other Graduate Degree														
Yes	6,320	20.3	5,892	20.0	415	24.7	451	24.8	1,743	25.2	1,069	22.8↓	387	21.1↓
No	24,843	79.7	23,553	80.0	1,268	75.3	1,368	75.2	5,171	74.8	3,618	77.2	1,449	78.9
# Abstracts, Presentations, Publications														
Median	4		4		4↑		4↑		3		3		3	
0	2,898	11.1↓	2,690	10.9↓	188	13.7↓	212	14.3↓	758	13.8↓	451	11.9↓	188	13.2↓
1 to 3	8,222	31.6	7,730	31.4	480	34.9	522	35.2	2,163	39.5	1,468	38.7	541	38.0
4 to 6	5,333	20.5	5,051	20.5	284	20.7	301	20.3	1,056	19.3	753	19.9	294	20.6↑
7 to 9	3,225	12.4	3,066	12.4	153	11.1	165	11.1↑	519	9.5	382	10.1	122	8.6
10 or more	6,355	24.4↑	6,093	24.7↑	269	19.6	282	19.0	979	17.9	737	19.4	279	19.6
# Research Experiences														
Median	2↓		2↓		2↓		2↓		2		2		2	
0	2,281	8.7↑	2,142	8.6↑	122	8.8	140	9.4	716	13.2	439	11.7↑	168	11.9
1	5,793	22.1↑	5,500	22.2↑	292	21.1↑	315	21.2↑	1,510	27.9↑	1,045	27.9↑	368	26.1↑
2	6,376	24.3↑	6,059	24.4↑	311	22.4↑	330	22.2↑	1,192	22.0	845	22.6	296	21.0
3	4,749	18.1	4,485	18.1	261	18.8	280	18.8	771	14.2	544	14.5↓	208	14.8
4	2,557	9.8↓	2,427	9.8↓	138	10.0↓	148	9.9↓	404	7.5↓	298	8.0↓	126	8.9↓
5 or more	4,450	17.0↓	4,189	16.9↓	262	18.9↓	275	18.5↓	822	15.2↓	570	15.2↓	242	17.2↓

2024 Main Residency Match	All applicants who secured any position through algorithm or SOAP N=38,850		Active applicants who secured any position through <u>algorithm</u> N=36,584		Active applicants who secured any position through <u>SOAP</u> N=2,215		All applicants who secured any position through <u>SOAP</u> N=2,392		All applicants who <u>did not</u> secure any position through algorithm or SOAP N=9,163		Active applicants who <u>did not</u> secure any position through algorithm or SOAP N=6,165		Withdrawn applicants N=2,376	
	N	%	N	%	N	%	N	%	N	%	N	%	N	%
# Volunteer Experiences														
Median	3↓		3↓		3↓		3↓		2↓		2↓		3↓	
0	388	1.5↑	364	1.5↑	25	1.8↑	27	1.8↑	255	4.4↑	150	3.8↑	38	2.5
1 to 2	7,737	29.2↑	7,271	29.0↑	447	31.5↑	487	31.7↑	2,703	46.7↑	1,838	46.3↑	553	36.7↑
3 to 4	9,591	36.1↑	9,106	36.3↑	471	33.2↑	512	33.4↑	1,749	30.2	1,240	31.3	481	31.9↑
5 to 6	4,890	18.4↓	4,650	18.5↓	244	17.2↓	262	17.1↓	625	10.8↓	431	10.9↓	237	15.7↓
7 or more	3,927	14.8↓	3,694	14.7↓	230	16.2↓	247	16.1↓	453	7.8↓	309	7.8↓	199	13.2↓
# Work Experiences														
Median	2↓		2↓		2↓		2↓		4↓		4↓		3↓	
0	2,948	11.1↑	2,832	11.3↑	122	8.6↑	125	8.1↑	164	2.8↑	122	3.0↑	85	5.6↑
1	6,993	26.4↑	6,657	26.6↑	338	23.8↑	354	23.1↑	679	11.4↑	503	12.4↑	223	14.7↑
2	6,356	24.0↑	6,022	24.0↑	323	22.8↑	348	22.7↑	973	16.4↑	677	16.7↑	361	23.8↑
3	4,255	16.1↓	4,014	16.0↓	237	16.7	264	17.2	960	16.2↑	676	16.7↑	272	17.9↑
4	2,181	8.2↓	2,043	8.2↓	133	9.4↓	145	9.4↓	760	12.8	491	12.1	185	12.2↓
5 or more	3,763	14.2↓	3,481	13.9↓	266	18.7↓	299	19.5↓	2,406	40.5↓	1,579	39.0↓	394	25.9↓
USMLE Step 2 CK median score														
	247		248		239		239		234		237		246	
COMLEX Level 2-CE median score ^a														
	538		540		510		510		505		500.5		559	

↑ denotes an increase of 10% or more compared to the previous Match cycle (i.e., 2023).

↓ denotes a decrease of 10% or more compared to the previous Match cycle (i.e., 2023).

^a Restricted to U.S. DO Seniors and U.S. DO Graduates.

Table 3C. Academic characteristics by Match outcome group, 2023 MRM

2023 Main Residency Match	All applicants who secured any position through algorithm or SOAP N=37,702		Active applicants who secured any position through <u>algorithm</u> N=35,403		Active applicants who secured any position through <u>SOAP</u> N=2,261		All applicants who secured any position through <u>SOAP</u> N=2,425		All applicants who <u>did not</u> secure any position through algorithm or SOAP N=8,270		Active applicants who <u>did not</u> secure any position through algorithm or SOAP N=5,393		Withdrawn applicants N=2,149	
	N	%	N	%	N	%	N	%	N	%	N	%	N	%
Consented to Provide Academic Information														
Yes	30,707	81.4	28,922	81.7	1,760	77.8	1,884	77.7	6,212	75.1	4,044	75.0	1,661	77.3
No	6,995	18.6	6,481	18.3	501	22.2	541	22.3	2,058	24.9	1,349	25.0	488	22.7
PhD Status														
Yes	751	2.4	732	2.5	23	1.3↑	23	1.2↑	161	2.6	102	2.5	34	2.0↓
No	29,956	97.6	28,190	97.5	1,737	98.7	1,861	98.8	6,051	97.4	3,942	97.5	1,627	98.0
Other Graduate Degree														
Yes	6,044	19.7	5,635	19.5	404	23.0	433	23.0	1,650	26.6	1,043	25.8	403	24.3
No	24,663	80.3	23,287	80.5	1,356	77.0	1,451	77.0	4,562	73.4	3,001	74.2	1,258	75.7
# Abstracts, Presentations, Publications														
Median	4		4		3		3		3		3		3	
0	3,427	12.8	3,178	12.6	236	15.8	260	16.3	831	16.6↓	469	14.0↓	229	17.3
1 to 3	8,702	32.5	8,146	32.2	538	36.0	576	36.1	1,895	37.9	1,286	38.4	496	37.5
4 to 6	5,475	20.4	5,187	20.5	290	19.4	309	19.4	980	19.6	665	19.9	231	17.4
7 to 9	3,289	12.3	3,137	12.4	153	10.2	161	10.1	440	8.8	313	9.3	124	9.4
10 or more	5,917	22.1↑	5,655	22.3↑	279	18.6↑	290	18.2↑	850	17.0↑	617	18.4↑	244	18.4
# Research Experiences														
Median	3		3		3		3		2		2		2	
0	2,015	7.3	1,876	7.2	129	8.4	145	8.8	657	12.9↓	342	10.1↓	161	11.9
1	4,240	15.5	3,952	15.3	265	17.2	295	18.0	1,214	23.9	804	23.7	287	21.2
2	5,272	19.2	4,970	19.2	303	19.7	318	19.4	1,059	20.8	706	20.8	280	20.7↑
3	5,169	18.8	4,881	18.9	289	18.8	305	18.6	779	15.3	549	16.2↑	191	14.1↓
4	3,884	14.2	3,689	14.2	203	13.2	212	12.9	462	9.1	326	9.6	147	10.9
5 or more	6,862	25.0	6,522	25.2	350	22.7	366	22.3	915	18.0	667	19.7	286	21.2

2023 Main Residency Match	All applicants who secured any position through algorithm or SOAP N=37,702		Active applicants who secured any position through <u>algorithm</u> N=35,403		Active applicants who secured any position through <u>SOAP</u> N=2,261		All applicants who secured any position through <u>SOAP</u> N=2,425		All applicants who <u>did not</u> secure any position through algorithm or SOAP N=8,270		Active applicants who <u>did not</u> secure any position through algorithm or SOAP N=5,393		Withdrawn applicants N=2,149	
	N	%	N	%	N	%	N	%	N	%	N	%	N	%
# Volunteer Experiences														
Median	7		7		6		6		4↑		4		5	
0	192	0.7↓	169	0.6↓	16	1.0↓	23	1.4	203	3.8↓	98	2.8↓	38	2.7↓
1 to 2	2,283	8.2	2,079	8.0	191	12.2↓	213	12.8↓	1,466	27.5	865	24.5	261	18.4↓
3 to 4	4,980	18.0	4,632	17.7	342	21.9	368	22.1	1,567	29.4	1,053	29.9	400	28.2↑
5 to 6	5,925	21.4	5,590	21.4	334	21.4	355	21.4	1,030	19.3	732	20.8↑	291	20.6
7 or more	14,303	51.7	13,640	52.2	679	43.5	703	42.3	1,068	20.0	776	22.0	426	30.1
# Work Experiences														
Median	4		4		4↑		4↑		5		6↑		4	
0	757	2.7↓	709	2.7↓	43	2.8↓	48	2.9↓	73	1.3↓	51	1.4↓	45	3.1↑
1	2,538	9.1↓	2,373	9.1↓	167	10.7↓	174	10.5↓	247	4.5↓	157	4.4↓	131	9.1
2	4,594	16.6	4,340	16.6	258	16.6↓	271	16.3↓	442	8.1↓	281	7.8↓	203	14.2
3	5,262	19.0	4,977	19.0	283	18.2	299	18.0	624	11.4	395	11.0	222	15.5↑
4	4,444	16.0	4,199	16.0	247	15.9	258	15.5	679	12.4	423	11.8	196	13.7↓
5 or more	10,152	36.6	9,579	36.6	560	35.9↑	610	36.7↑	3,396	62.2	2,275	63.5	637	44.4
USMLE Step 2 CK median score														
	246		247		239		238.5		230		232		240	
COMLEX Level 2-CE median score ^a														
	562		562		557		554		517		522		573	

↑ denotes an increase of 10% or more compared to the previous Match cycle (i.e., 2022).

↓ denotes a decrease of 10% or more compared to the previous Match cycle (i.e., 2022).

^a Restricted to U.S. DO Seniors and U.S. DO Graduates.

Table 3D. Academic characteristics by Match outcome group, 2022 MRM

2022 Main Residency Match	All applicants who secured any position through algorithm or SOAP		Active applicants who secured any position through <u>algorithm</u>		Active applicants who secured any position through <u>SOAP</u>		All applicants who secured any position through <u>SOAP</u>		All applicants who did <u>not</u> secure any position through algorithm or SOAP		Active applicants who did <u>not</u> secure any position through algorithm or SOAP		Withdrawn applicants	
	N=36,538		N=34,585		N=2,012		N=2,101		N=9,046		N=6,082		N=2,066	
	N	%	N	%	N	%	N	%	N	%	N	%	N	%
Consented to Provide Academic Information														
Yes	29,828	81.6	28,293	81.8	1,589	79.0	1,655	78.8	6,675	73.8	4,507	74.1	1,611	78.0
No	6,710	18.4	6,292	18.2	423	21.0	446	21.2	2,371	26.2	1,575	25.9	455	22.0
PhD Status														
Yes	713	2.4	699	2.5	15	0.9	18	1.1	183	2.7	110	2.4	44	2.7
No	29,115	97.6	27,594	97.5	1,574	99.1	1,637	98.9	6,492	97.3	4,397	97.6	1,567	97.3
Other Graduate Degree														
Yes	5,791	19.4	5,446	19.2	349	22.0	370	22.4	1,802	27.0	1,172	26.0	399	24.8
No	24,037	80.6	22,847	80.8	1,240	78.0	1,285	77.6	4,873	73.0	3,335	74.0	1,212	75.2
# Abstracts, Presentations, Publications														
Median	4		4		3		3		3		3		3	
0	3,539	13.7	3,319	13.5	218	16.7	233	17.1	982	18.7	621	17.3	213	16.6
1 to 3	8,854	34.3	8,377	34.1	492	37.6	509	37.4	2,093	39.8	1,419	39.4	488	37.9
4 to 6	5,374	20.8	5,134	20.9	256	19.6	268	19.7	949	18.1	674	18.7	210	16.3
7 to 9	2,942	11.4	2,822	11.5	126	9.6	129	9.5	450	8.6	318	8.8	126	9.8
10 or more	5,132	19.9	4,932	20.1	216	16.5	222	16.3	779	14.8	567	15.8	249	19.4
# Research Experiences														
Median	3		3		3		3		2		2		2	
0	2,086	7.9	1,963	7.8	119	9.0	127	9.2	818	15.2	498	13.5	146	11.1
1	4,296	16.3	4,063	16.2	239	18.0	249	18.1	1,263	23.5	863	23.4	307	23.3
2	5,139	19.5	4,905	19.6	250	18.9	258	18.7	1,038	19.3	736	20.0	241	18.3
3	4,945	18.8	4,728	18.9	230	17.4	239	17.3	775	14.4	538	14.6	218	16.5
4	3,558	13.5	3,397	13.6	165	12.5	172	12.5	512	9.5	364	9.9	136	10.3
5 or more	6,295	23.9	5,988	23.9	322	24.3	333	24.2	964	18.0	690	18.7	272	20.6

2022 Main Residency Match	All applicants who secured any position through algorithm or SOAP N=36,538		Active applicants who secured any position through <u>algorithm</u> N=34,585		Active applicants who secured any position through <u>SOAP</u> N=2,012		All applicants who secured any position through <u>SOAP</u> N=2,101		All applicants who <u>did not</u> secure any position through algorithm or SOAP N=9,046		Active applicants who <u>did not</u> secure any position through algorithm or SOAP N=6,082		Withdrawn applicants N=2,066	
	N	%	N	%	N	%	N	%	N	%	N	%	N	%
# Volunteer Experiences														
Median	7		7		6		6		3		4		5	
0	238	0.9	218	0.9	16	1.2	20	1.4	299	5.3	171	4.5	43	3.1
1 to 2	2,381	9.0	2,196	8.7	190	14.2	199	14.3	1,567	28.0	977	25.6	303	22.1
3 to 4	4,859	18.4	4,575	18.2	298	22.3	309	22.3	1,671	29.8	1,157	30.3	329	24.0
5 to 6	5,627	21.3	5,355	21.3	287	21.5	297	21.4	993	17.7	711	18.6	259	18.9
7 or more	13,330	50.4	12,809	50.9	545	40.8	562	40.5	1071	19.1	798	20.9	436	31.8
# Work Experiences														
Median	4		4		3		3		5		5		4	
0	857	3.2	803	3.2	58	4.3	59	4.2	109	1.9	81	2.1	39	2.8
1	2,899	10.9	2,736	10.8	162	12.1	172	12.3	339	5.9	238	6.1	139	9.9
2	4,559	17.2	4,315	17.1	248	18.5	259	18.6	565	9.8	370	9.5	213	15.2
3	4,882	18.4	4,657	18.5	253	18.9	257	18.4	712	12.3	458	11.7	196	14.0
4	4,086	15.4	3,883	15.4	210	15.7	218	15.6	731	12.7	489	12.5	217	15.5
5 or more	9,230	34.8	8,830	35.0	410	30.6	430	30.8	3,310	57.4	2,267	58.1	594	42.5
USMLE Step 2 CK median score														
	245		246		239		239		228		229		239	
COMLEX Level 2-CE median score ^a														
	562		564		539		538		512		512		576	

^a Restricted to U.S. DO Seniors and U.S. DO Graduates.

Section 2: Residency Placement Outcomes During Match Week

Although most positions offered through the MRM are Categorical or Categorical Primary Care (Primary) positions that provide the full training required for board certification in a specialty, Preliminary, Advanced, and Physician training positions continue to represent a meaningful share of available positions, accounting for nearly 7,900 positions in the 2025 MRM.²² Applicants who secure both a Preliminary and an Advanced position within the same Match cycle effectively obtain a complete training pathway. In contrast, applicants who obtain only a Preliminary **or** only an Advanced position have not secured the full sequence of training required for board certification.

Annual NRMP reporting provides extensive information on PGY-1 Match rates and position fill rates, particularly for Categorical and Primary positions. However, less is known about applicants whose Match outcomes fall outside these traditional measures, including those who secure both Preliminary and Advanced positions or, more importantly, those who obtain only a portion of the training pathway required for specialty certification.

While some studies have examined these more nuanced Match outcomes, they have several limitations and have been narrow in scope. For example, one study using NRMP data found an increase between 2005 to 2016 in the number of U.S. MD senior applicants to Diagnostic Radiology who were partially matched, meaning they matched to an Advanced (PGY-2) position in Diagnostic Radiology without also securing a Preliminary year position.²³ Applicants in this situation may attempt to obtain a Preliminary position through SOAP or outside the Match. If unsuccessful, they may be unable to begin PGY-1 training and therefore become ineligible to enter the Advanced position.

Other studies have examined whether applicants who secured only a Preliminary position subsequently obtain complete residency training. However, these studies have largely been limited to General Surgery and have often focused on single institutions or small groups of programs, offering only a partial view of the trajectory of applicants who secure only a Preliminary position.^{24–32} Consequently, little is known about the prevalence of partial training outcomes across specialties or how these outcomes vary across applicant groups.

To address these gaps, NRMP examined whether applicants secured a full course of training within a single Match cycle, defined as obtaining either a Categorical or Primary position or both Preliminary and Advanced positions, or instead secured only a Preliminary, Advanced, or Physician position. The analysis incorporates positions secured through both the matching algorithm and SOAP, providing a comprehensive view of training positions obtained during Match Week. Outcomes are examined overall and by applicant type to better understand differences in residency placement pathways across applicant groups.

Methods

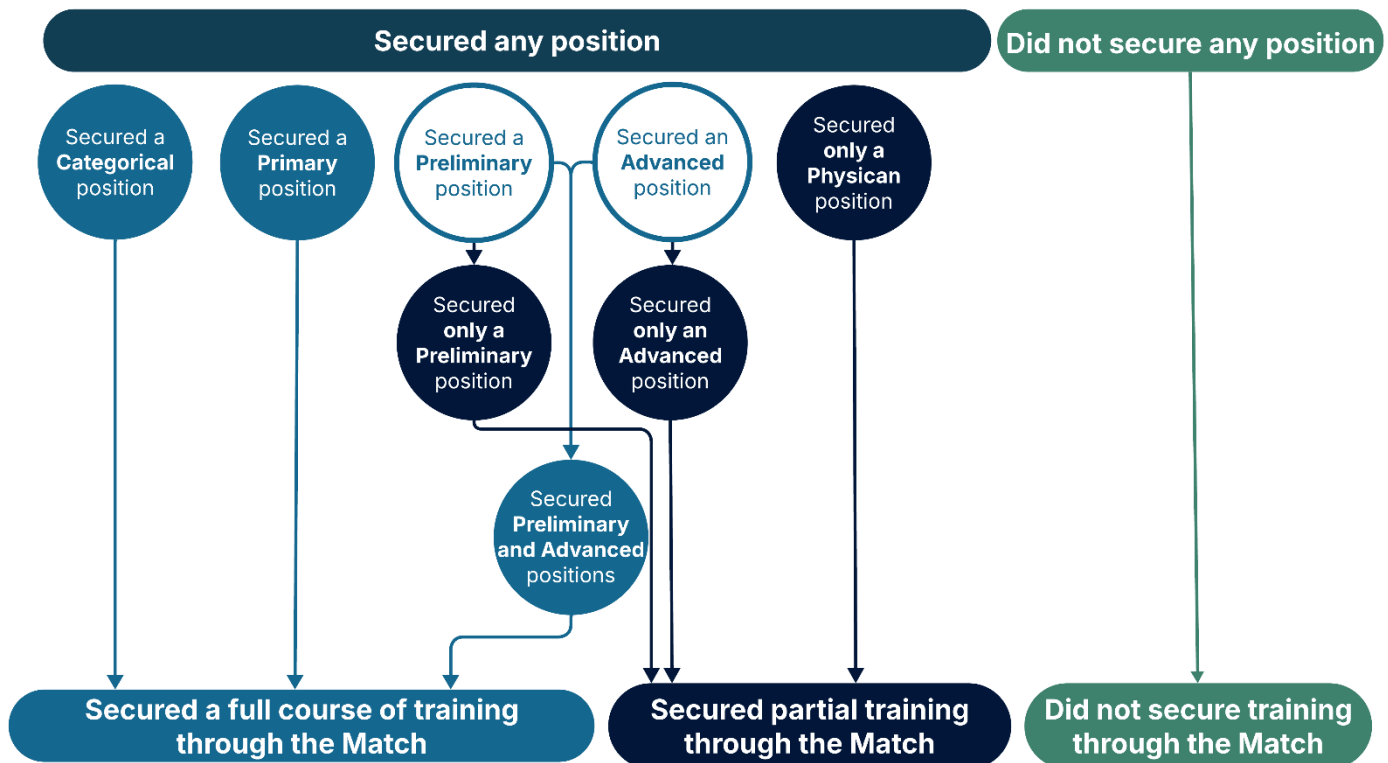
Match outcomes from the 2022-2025 Main Residency Matches were examined by Match cycle overall and by applicant type (U.S. MD seniors, U.S. DO seniors, U.S. MD graduates, U.S. DO graduates, U.S. IMGs, non-U.S. IMGs). Specifically, the following outcomes of interest, depicted in **Figure 3**, were examined:

- **Did not secure any position through algorithm or SOAP:** defined as not having obtained any position through the matching algorithm or SOAP
- **Secured any position through algorithm or SOAP:** defined as obtaining a position(s) of any position type(s) through the matching algorithm or SOAP
 - **Secured a full course of training:** defined as obtaining a Categorical (C), Primary (M), or both Preliminary (P) and Advanced (A) positions in a single Match cycle

- **Secured only a Preliminary (P) position**
- **Secured only an Advanced (A) position**
- **Secured only a Physician (R) position** (Note. Only applicants with prior graduate medical education are eligible for Physician positions; senior applicants are not eligible)
- **Secured any position through algorithm***: defined as obtaining a position(s) of any position type(s) when the matching algorithm is run
- **Secured any position through SOAP***: defined as accepting a position(s) of any position type(s) during SOAP

*Note that applicants submitting rank order lists containing Advanced and/or Preliminary positions may secure one position through the algorithm and the other position through SOAP.

Figure 3. Main Residency Match outcomes



The following applicants were **excluded** from analyses:

- Canadian and Fifth Pathway applicants due to small cell sizes
- Withdrawn applicants due to the majority being ineligible to obtain a position through the matching algorithm or during SOAP
- Applicants who ranked only Preliminary programs designated for Ophthalmology or who secured a Preliminary position designated for Ophthalmology because these applicants presumably participated in the MRM because they obtained an Ophthalmology position in the SF Match and needed to secure their required PGY-1 training via the MRM (i.e., they were intentionally seeking a PGY-1 only position with no plans to return to the MRM to secure additional training).

Results

Tables 4A-G summarize applicants' residency placement outcomes during Match Week by year overall (**Table 4A**) and broken down by applicant type (**Tables 4B-4G**). **Figure 4** displays position securement through the algorithm or SOAP by applicant type. Takeaways include the following:

- From 2022 to 2025, 80-82% of registered, ranking, or active applicants secured any position. However, percentages varied by applicant type (see **Figure 4**).
 - U.S. MD and DO seniors had the highest position securement rates (97-98%), while non-U.S. IMGs had the lowest (50-53%).
- While 75-76% of applicants secured a full course of training overall, about 4% secured only a Preliminary position, and very low percentages (<1%) secured only an Advanced position or a Physician position.
 - Overall percentages of applicants securing positions were fairly consistent across years, even with slight increases in the numbers of applicants over time.
- There was a slight decrease over time in the percent of U.S. graduates who secured a full course of training. This trend was particularly notable for U.S. DO graduates, who experienced a 17.2% decline in position securement from 2022 (57.7%) to 2025 (47.8%).
- The percentage of U.S. IMGs who secured any position increased 15.1% (from 56.8% to 65.4%) from 2022 to 2025. This growth was reflected in obtainment of a full course of training: in 2022, 52.9% of U.S. IMGs secured a full course of training while in 2025 60.1% did so, a 13.6% increase.
- A higher percentage of SOAP-eligible U.S. seniors, particularly U.S. DO seniors, secured any position through SOAP compared to other applicant types.
- Non-U.S. IMGs had comparable rates of securing Preliminary only, Advanced only, and Physician only positions but lower rates of securing a full course of training, any position through the algorithm, and any SOAP position (among those SOAP-eligible) compared to other applicant types.

Table 4A. Residency placement during Match Week by year

	2022		2023		2024		2025		Total	
Registered, Ranking, or Active Applicants	45,411		45,790		47,850		50,006		189,057	
Active Applicants	42,358		42,749		44,675		47,037		176,819	
SOAP-Eligible Applicants	12,490		12,090		12,879		13,366		50,825	
	N	%	N	%	N	%	N	%	N	%
Did not secure any position through algorithm or SOAP	9,045	19.9	8,267	18.1	9,162	19.1	9,679	19.4	36,153	19.1
Secured any position through algorithm or SOAP	36,366	80.1	37,523	81.9	38,688	80.9	40,327	80.6	152,904	80.9
Secured a full course of training in a single Match cycle (i.e., C, M, P & A)	34,103	75.1	35,020	76.5	36,261	75.8	37,834	75.7	143,218	75.8
Secured a Categorical or Primary position	31,598	69.6	32,616	71.2	33,780	70.6	35,245	70.5	133,239	70.5
Secured Preliminary + Advanced positions in a single Match cycle	2,505	5.5	2,404	5.3	2,481	5.2	2,589	5.2	9,979	5.3
Secured only a Preliminary position in a single Match cycle	1,866	4.1	1,999	4.4	1,928	4.0	1,924	3.8	7,717	4.1
Secured only an Advanced position in a single Match cycle	190	0.4	250	0.5	237	0.5	214	0.4	891	0.5
Secured only a Physician position in a single Match cycle	207	0.5	254	0.6	262	0.5	355	0.7	1,078	0.6
Secured any position through algorithm (% based on active applicants)	34,415	81.2	35,225	82.4	36,424	81.5	38,168	81.1	144,232	81.6
Secured any position through SOAP (% based on SOAP-eligible applicants)	2,099	16.8	2,424	20.0	2,390	18.6	2,307	17.3	9,220	18.1

Note: All percentages are based on the number of Registered, Ranking, or Active applicants unless otherwise noted. Applicants submitting rank order lists containing Advanced and/or Preliminary positions may secure one position through the algorithm and the other position through SOAP.

Figure 4. Residency placement during Match Week by applicant type, 2022-2025

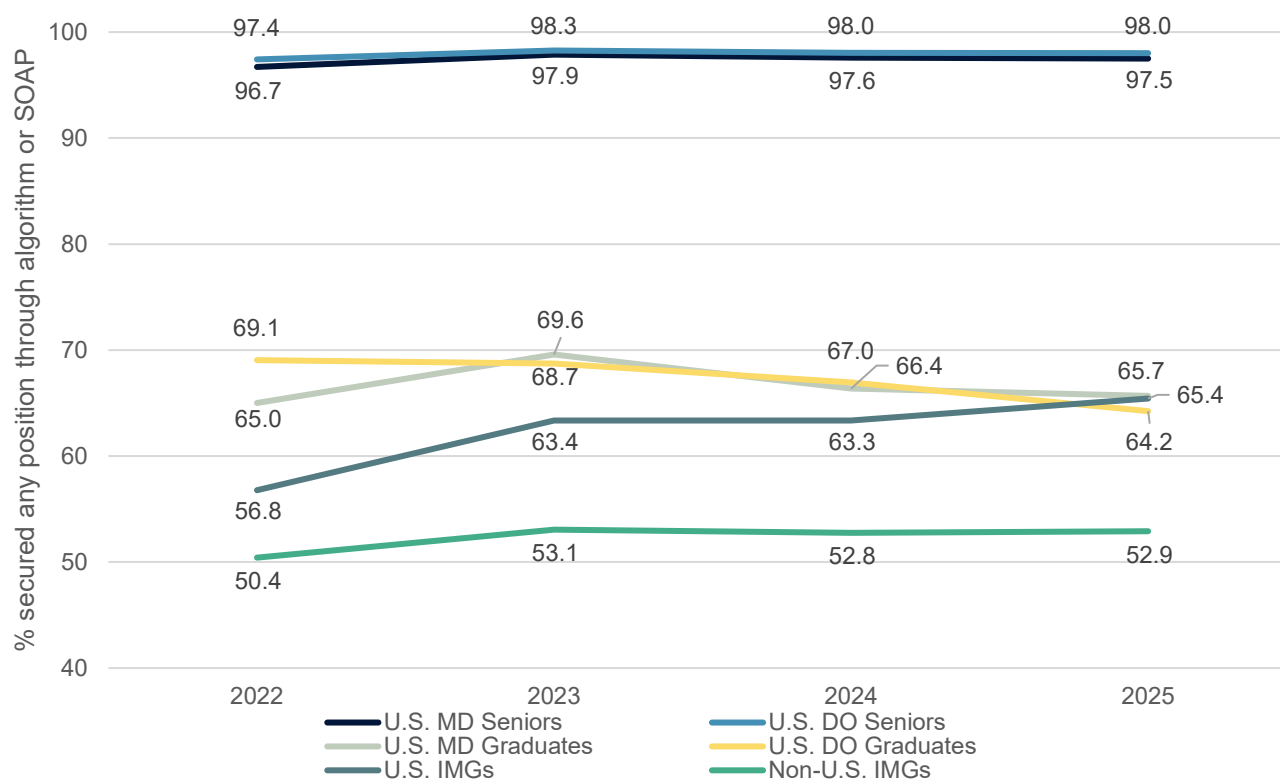


Table 4B. Residency placement during Match Week for U.S. MD seniors by year

Outcomes of U.S. MD Seniors	2022 N=19,887		2023 N=19,686		2024 N=19,699		2025 N=20,341		Total N=79,613	
Registered, Ranking, or Active Applicants	19,887		19,686		19,699		20,341		79,613	
Active Applicants	19,749		19,593		19,606		20,235		79,183	
SOAP-Eligible Applicants	2,085		1,885		1,879		1,914		7,763	
	N	%	N	%	N	%	N	%	N	%
Did not secure any position through algorithm or SOAP	654	3.3	419	2.1	475	2.4	510	2.5	2,058	2.6
Secured any position through algorithm or SOAP	19,233	96.7	19,267	97.9	19,224	97.6	19,831	97.5	77,555	97.4
Secured a full course of training in a single Match cycle (i.e., C, M, P & A)	18,236	91.7	18,253	92.7	18,239	92.6	18,867	92.8	73,595	92.4
Secured a Categorical or Primary position	16,332	82.1	16,406	83.3	16,352	83.0	16,950	83.3	66,040	83.0
Secured Preliminary + Advanced positions in a single Match cycle	1,904	9.6	1,847	9.4	1,887	9.6	1,917	9.4	7,555	9.5
Secured only a Preliminary position in a single Match cycle	990	5.0	1,007	5.1	979	5.0	951	4.7	3,927	4.9
Secured only an Advanced position in a single Match cycle	7	0.0	7	0.0	6	0.0	13	0.1	33	0.0
Secured any position through algorithm (% based on <u>active applicants</u>)	18,408	93.2	18,400	93.9	18,371	93.7	18,991	93.9	74,170	93.7
Secured any position through SOAP (% based on <u>SOAP-eligible applicants</u>)	901	43.2	927	49.2	904	48.1	918	48.0	3,650	47.0

Note: All percentages are based on the number of Registered, Ranking, or Active applicants unless otherwise noted. Applicants submitting rank order lists containing Advanced and/or Preliminary positions may secure one position through the algorithm and the other position through SOAP.

Table 4C. Residency placement during Match Week for U.S. DO seniors by year

Outcomes of U.S. DO Seniors	2022 N=7,361		2023 N=7,474		2024 N=8,087		2025 N=8,444		Total N=31,366	
Registered, Ranking, or Active Applicants	7,361		7,474		8,087		8,444		31,366	
Active Applicants	7,297		7,427		8,026		8,383		31,133	
SOAP-Eligible Applicants	875		836		835		833		3,379	
	N	%	N	%	N	%	N	%	N	%
Did not secure any position through algorithm or SOAP	190	2.6	130	1.7	159	2.0	169	2.0	648	2.1
Secured any position through algorithm or SOAP	7,171	97.4	7,344	98.3	7,928	98.0	8,275	98.0	30,718	97.9
Secured a full course of training in a single Match cycle (i.e., C, M, P & A)	6,870	93.3	7,053	94.4	7,650	94.6	7,992	94.7	29,565	94.3
Secured a Categorical or Primary position	6,466	87.8	6,700	89.6	7,287	90.1	7,571	89.7	28,024	89.4
Secured Preliminary + Advanced positions in a single Match cycle	404	5.5	353	4.7	363	4.5	421	5.0	1,541	4.9
Secured only a Preliminary position in a single Match cycle	300	4.1	291	3.9	278	3.4	282	3.3	1,151	3.7
Secured only an Advanced position in a single Match cycle	1	0.0	0	0.0	0	0.0	1	0.0	2	0.0
Secured any position through algorithm (% based on <u>active applicants</u>)	6,696	91.8	6,836	92.0	7,439	92.7	7,796	93.0	28,767	92.4
Secured any position through SOAP (% based on <u>SOAP-eligible applicants</u>)	510	58.3	543	65.0	526	63.0	511	61.3	2,090	61.9

Note: All percentages are based on the number of Registered, Ranking, or Active applicants unless otherwise noted. Applicants submitting rank order lists containing Advanced and/or Preliminary positions may secure one position through the algorithm and the other position through SOAP.

Table 4D. Residency placement during Match Week for U.S. MD graduates by year

Outcomes of U.S. MD Graduates	2022 N=1,869		2023 N=1,805		2024 N=1,837		2025 N=1,940		Total N=7,451	
Registered, Ranking, or Active Applicants	1,869		1,805		1,837		1,940		7,451	
Active Applicants	1,694		1,641		1,659		1,743		6,737	
SOAP-Eligible Applicants	929		925		952		980		3,786	
	N	%	N	%	N	%	N	%	N	%
Did not secure any position through algorithm or SOAP	654	35.0	549	30.4	618	33.6	666	34.3	2,487	33.4
Secured any position through algorithm or SOAP	1,215	65.0	1,256	69.6	1,219	66.4	1,274	65.7	4,964	66.6
Secured a full course of training in a single Match cycle (i.e., C, M, P & A)	916	49.0	873	48.4	851	46.3	890	45.9	3,530	47.4
Secured a Categorical or Primary position	902	48.3	846	46.9	835	45.5	871	44.9	3,454	46.4
Secured Preliminary + Advanced positions in a single Match cycle	14	0.8	27	1.5	16	0.9	19	1.0	76	1.0
Secured only a Preliminary position in a single Match cycle	53	2.8	69	3.8	53	2.9	49	2.5	224	3.0
Secured only an Advanced position in a single Match cycle	111	5.9	166	9.2	156	8.5	124	6.4	557	7.5
Secured only a Physician position in a single Match cycle	135	7.2	148	8.2	159	8.7	211	10.9	653	8.8
Secured any position through algorithm (% based on <u>active applicants</u>)	1,092	64.5	1,086	66.2	1,069	64.4	1,118	64.1	4,365	64.8
Secured any position through SOAP (% based on <u>SOAP-eligible applicants</u>)	125	13.5	172	18.6	152	16.0	165	16.8	614	16.2

Note: All percentages are based on the number of Registered, Ranking, or Active applicants unless otherwise noted. Applicants submitting rank order lists containing Advanced and/or Preliminary positions may secure one position through the algorithm and the other position through SOAP.

Table 4E. Residency placement during Match Week for U.S. DO graduates by year

Outcomes of U.S. DO Graduates	2022 N=782		2023 N=739		2024 N=702		2025 N=713		Total N=2,936	
Registered, Ranking, or Active Applicants	782		739		702		713		2,936	
Active Applicants	713		666		616		630		2,625	
SOAP-Eligible Applicants	379		380		361		373		1,493	
	N	%	N	%	N	%	N	%	N	%
Did not secure any position through algorithm or SOAP	242	31.0	231	31.3	232	33.1	255	35.8	960	32.7
Secured any position through algorithm or SOAP	540	69.1	508	68.7	470	67.0	458	64.2	1,976	67.3
Secured a full course of training in a single Match cycle (i.e., C, M, P & A)	451	57.7	393	53.2	360	51.3	341	47.8	1,545	52.6
Secured a Categorical or Primary position	445	56.9	388	52.5	355	50.6	338	47.4	1,526	52.0
Secured Preliminary + Advanced positions in a single Match cycle	6	0.8	5	0.7	5	0.7	3	0.4	19	0.7
Secured only a Preliminary position in a single Match cycle	22	2.8	23	3.1	14	2.0	12	1.7	71	2.4
Secured only an Advanced position in a single Match cycle	29	3.7	38	5.1	38	5.4	30	4.2	135	4.6
Secured only a Physician position in a single Match cycle	38	4.9	54	7.3	58	8.3	75	10.5	225	7.7
Secured any position through algorithm (% based on <u>active applicants</u>)	452	63.4	409	61.4	389	63.1	373	59.2	1,623	61.8
Secured any position through SOAP (% based on <u>SOAP-eligible applicants</u>)	91	24.0	100	26.3	84	23.3	85	22.8	360	24.1

Note: All percentages are based on the number of Registered, Ranking, or Active applicants unless otherwise noted. Applicants submitting rank order lists containing Advanced and/or Preliminary positions may secure one position through the algorithm and the other position through SOAP.

Table 4F. Residency placement during Match Week for U.S. IMGs by year

Outcomes of U.S. IMGs	2022 N=6,058		2023 N=5,941		2024 N=5,682		2025 N=5,325		Total N=23,006	
Registered, Ranking, or Active Applicants	6,058		5,941		5,682		5,325		23,006	
Active Applicants	5,047		4,958		4,751		4,585		19,341	
SOAP-Eligible Applicants	3,092		2,758		2,646		2,355		10,851	
	N	%	N	%	N	%	N	%	N	%
Did not secure any position through algorithm or SOAP	2,618	43.2	2,176	36.6	2,083	36.7	1,841	34.6	8,718	37.9
Secured any position through algorithm or SOAP	3,440	56.8	3,765	63.4	3,599	63.3	3,484	65.4	14,288	62.1
Secured a full course of training in a single Match cycle (i.e., C, M, P & A)	3,203	52.9	3,470	58.4	3,326	58.5	3,202	60.1	13,201	57.4
Secured a Categorical or Primary position	3,135	51.8	3,419	57.6	3,261	57.4	3,134	58.9	12,949	56.3
Secured Preliminary + Advanced positions in a single Match cycle	68	1.1	51	0.9	65	1.1	68	1.3	252	1.1
Secured only a Preliminary position in a single Match cycle	197	3.3	258	4.3	236	4.2	225	4.2	916	4.0
Secured only an Advanced position in a single Match cycle	22	0.4	17	0.3	20	0.4	18	0.3	77	0.3
Secured only a Physician position in a single Match cycle	18	0.3	20	0.3	17	0.3	39	0.7	94	0.4
Secured any position through algorithm (% based on <u>active applicants</u>)	3,148	62.4	3,393	68.4	3,225	67.9	3,164	69.0	12,930	66.9
Secured any position through SOAP (% based on <u>SOAP-eligible applicants</u>)	304	9.8	378	13.7	381	14.4	328	13.9	1,391	12.8

Note: All percentages are based on the number of Registered, Ranking, or Active applicants unless otherwise noted. Applicants submitting rank order lists containing Advanced and/or Preliminary positions may secure one position through the algorithm and the other position through SOAP.

Table 4G. Residency placement during Match Week for non-U.S. IMGs by year

Outcomes of Non-U.S. IMGs	2022 N=9,454		2023 N=10,145		2024 N=11,843		2025 N=13,243		Total N=44,685	
Registered, Ranking, or Active Applicants	9,454		10,145		11,843		13,243		44,685	
Active Applicants	7,858		8,464		10,017		11,461		37,800	
SOAP-Eligible Applicants	5,130		5,306		6,206		6,911		23,553	
	N	%	N	%	N	%	N	%	N	%
Did not secure any position through algorithm or SOAP	4,687	49.6	4,762	46.9	5,595	47.2	6,238	47.1	21,282	47.6
Secured any position through algorithm or SOAP	4,767	50.4	5,383	53.1	6,248	52.8	7,005	52.9	23,403	52.4
Secured a full course of training in a single Match cycle (i.e., C, M, P & A)	4,427	46.8	4,978	49.1	5,835	49.3	6,542	49.4	21,782	48.8
Secured a Categorical or Primary position	4,318	45.7	4,857	47.9	5,690	48.1	6,381	48.2	21,246	47.6
Secured Preliminary + Advanced positions in a single Match cycle	109	1.2	121	1.2	145	1.2	161	1.2	536	1.2
Secured only a Preliminary position in a single Match cycle	304	3.2	351	3.5	368	3.1	405	3.1	1,428	3.2
Secured only an Advanced position in a single Match cycle	20	0.2	22	0.2	17	0.1	28	0.2	87	0.2
Secured only a Physician position in a single Match cycle	16	0.2	32	0.3	28	0.2	30	0.2	106	0.2
Secured any position through algorithm (% based on <u>active applicants</u>)	4,619	58.8	5,101	60.3	5,931	59.2	6,726	58.7	22,377	59.2
Secured any position through SOAP (% based on <u>SOAP-eligible applicants</u>)	168	3.3	304	5.7	343	5.5	300	4.3	1,115	4.7

Note: All percentages are based on the number of Registered, Ranking, or Active applicants unless otherwise noted. Applicants submitting rank order lists containing Advanced and/or Preliminary positions may secure one position through the algorithm and the other position through SOAP.

Section 3: Longitudinal Trajectories of Applicants Who Initially Did Not Secure Any Position

There are several possible pathways available to applicants who do not secure a training position during Match Week, including seeking a position outside the Match, pursuing additional research experience, obtaining another degree, or preparing to re-enter the residency selection process. These applicants also face decisions about whether and when to participate in a subsequent Match cycle. Although unmatched applicants receive considerable attention within the medical education community, relatively little is known about their longer-term trajectories following an unsuccessful Match outcome.

A limited number of studies have examined whether applicants who did not secure a residency position and subsequently reapply go on to match in a later residency selection cycle. However, these studies have generally been limited to specific specialties,^{33,34} focused on individual residency programs,³⁵ or relied on self-reported applicant data,³⁶ which capture only a subset of applicants. The NRMP is uniquely positioned to examine longitudinal Match outcomes using applicant-level data across multiple Match cycles.

To better understand the trajectories of applicants who leave Match Week without a residency position, the analyses that follow examine applicants who did not secure any position during their initial Match cycle as a registered, ranking, or active applicant. Specifically, the analyses assess whether these applicants return in a subsequent Match cycle and, if they do, whether they ultimately secure 1) any residency position, 2) only a Preliminary position, or 3) a full course of training.

While these analyses provide a high-level overview, they represent an important step towards understanding the pathways and outcomes of applicants who leave Match Week without securing residency training and establish a foundation for future research examining longer-term residency placement trajectories.

Methods

This set of longitudinal analyses considers the 2022-2025 Main Residency Match cycles, focusing on 2022-2024 MRM applicants who did not match to any position and who did not accept any position in SOAP (i.e., applicants who did not secure any position) during their *first* MRM cycle. Data for applicants who first participated in the 2025 cycle are not included because at the time analyses were conducted, 2026 data were not yet available, meaning there was no subsequent Match cycle data for applicants who initially did not secure any position in 2025. Future years of data will be available in other deliverables.

Analyses examine, overall and by applicant type, what percentage of applicants returned and participated in another Match cycle(s). Because the applicant type of a U.S. senior may change to U.S. graduate if they return during a subsequent Match cycle, each applicant's type during their first Match cycle as a registered, ranking, or active applicant was used across all subsequent years to distinguish the longitudinal outcomes of those who participated in their first Match as a U.S. senior from those who did not participate in the Match until after they had completed medical school (i.e., U.S. graduates).

Of those who returned during a subsequent Match cycle(s), we assessed what percentage secured a position(s) during a subsequent cycle(s) and whether they secured a full course of training or only a Preliminary position. Results consider the accumulation of positions over subsequent years through the 2025 MRM cycle, meaning an applicant could have obtained a full course of training across multiple subsequent cycles. **"Secured a full course of training"** refers to having secured:

- A Categorical or Primary position during any Match cycle; or
- A Preliminary position and an Advanced, Categorical, Primary, or Physician position across Match cycles (i.e., not necessarily during a single Match cycle).

For example, an applicant who secured only a Preliminary position in 2023 and a Physician position in 2024 would have secured a full course of training, which they obtained across multiple Match cycles.

Longitudinal outcomes were examined in two ways:

1. **Year of first Match participation:** Based on the Match year an applicant first participated in the Match as a registered, ranking, or active applicant and did not secure any position. Also referred to as “**Match year cohort**”. Given 2022-2025 Match data were analyzed, Match year cohorts include 2022-2024 to ensure all applicants have had the opportunity to return during at least one subsequent Match cycle.
2. **Number of years returned:** Based on the number of Match cycles an applicant returned after having not secured any position during their first Match cycle. For example, “returned 1 year” means that an applicant participated in two total Match cycles from 2022-2025. Cycles did not need to be consecutive. For example, an applicant who first participated in 2022 and did not secure any position who then returned only in 2024 was categorized as having “returned 1 year”.

Exclusion Criteria

The following applicants were **excluded** from analyses:

- Canadian and Fifth Pathway applicants due to small cell sizes
- Applicants who ranked only Preliminary programs designated for Ophthalmology or who secured a Preliminary position designated for Ophthalmology because these applicants presumably participated in the MRM because they obtained an Ophthalmology position in the SF Match and needed to secure their required PGY-1 training via the MRM (i.e., they were intentionally seeking a PGY-1 only position with no plans to return to the MRM to secure additional training).

Moreover, any withdrawn records were excluded from analyses and therefore did not count towards the number of Match cycles an applicant returned. For example, if an applicant did not secure any position as an active applicant in 2022 (their first Match cycle), was withdrawn during the 2023 cycle, and then participated again as an active applicant in the 2024 and 2025 Match cycles, they would be considered having “returned 2 years”.

Results

Table 5 shows the number of applicants overall and by applicant type who did not secure any position during their first Match cycle and the number and percentage of those applicants who then returned during a subsequent Match cycle (through the 2025 Match). Results are presented by Match year cohort, which refers to the Match year during which an applicant first participated as a registered, ranking, or active applicant and did not secure any position.

For example, in 2022, 4,305 applicants participated for the first time and did not secure any position, 3,173 (73.7%) of whom returned during a subsequent Match cycle(s) between 2023 and 2025. Given those who first participated in 2022 have had more opportunities to return to the Match than those who first participated in 2024, it is expected that the return rate for the 2022 cohort is slightly higher than the return rate for 2024. That being said, the return rate across cohorts was very similar, ranging from 73.7% among those who first participated in 2022 to 71.3% among those who first participated in 2024. This suggests that the majority of

applicants who did not secure any position during their first cycle and returned participated in the Match cycle immediately following their first Match cycle. However, return rates varied by applicant type, which was based on applicant type during an applicant's first Match cycle:

- The highest return rates were observed among U.S. MD seniors, U.S. IMGs, and non-U.S. IMGs, all of whom had return rates of about 70% or higher across all Match year cohorts.
- U.S. DO seniors who did not secure any position had lower return rates (around 60%) compared to their U.S. MD senior counterparts.
- Graduates, who participated in their first Match as a registered, ranking, or active applicant after having graduated from medical school, had the lowest return rates.

Table 6 shows, by year of first Match participation, the longitudinal outcomes of applicants who did not secure any position during their first Match cycle and who returned during a subsequent Match cycle(s). For example, of the 3,173 applicants who first participated in the Match in 2022, did not secure any position, and returned during a subsequent Match cycle(s):

- Over one-quarter (29.0%) did not secure any position during a subsequent Match cycle.
- Two-thirds (66.7%) had secured a full course of training by the end of their most recent Match cycle or by the end of the 2025 Match. Moreover, 2,117 of 2,254 (93.9%) applicants who obtained any position secured a full course of training.
- Nearly 65% of applicants matched to any position through the algorithm during a subsequent Match cycle. Specifically, 2,052 of 2,254 (91.0%) of applicants who secured any position obtained a position through the algorithm.

Unsurprisingly given they had more opportunities to return to the Match, a higher percentage of those who first participated in the Match in 2022 or 2023 had secured any position by the end of the 2025 Match cycle compared to the 2024 Match year cohort. However, similar to the 2022 Match year cohort results mentioned above, over 90% of 2024 Match year cohort applicants who had obtained any position had secured a full course of training (1,844 of 2,003; 92.1%).

Table 5. Return rate among applicants who did not secure any position during their first Match cycle, by year of first Match participation

	Year of First Match Participation									Total		
	2022			2023			2024					
	N no initial position	N returning	% return	N no initial position	N returning	% return	N no initial position	N returning	% return	N no initial position	N returning	% return
Total	4,305	3,173	73.7	3,994	2,882	72.2	4,938	3,521	71.3	13,237	9,576	72.3
U.S. MD Seniors	634	454	71.6	402	297	73.9	465	340	73.1	1,501	1,091	72.7
U.S. DO Seniors	173	106	61.3	122	71	58.2	155	92	59.4	450	269	59.8
U.S. MD Graduates	74	20	27.0	65	21	32.3	54	16	29.6	193	57	29.5
U.S. DO Graduates	27	14	51.9	25	9	36.0	21	8	38.1	73	31	42.5
U.S. IMGs	876	670	76.5	613	433	70.6	667	461	69.1	2,156	1,564	72.5
Non-U.S. IMGs	2,521	1,909	75.7	2,767	2,051	74.1	3,576	2,604	72.8	8,864	6,564	74.1

Note: Year of first Match participation was determined based on an applicant's first MRM cycle as a registered, ranking, or active (i.e., non-withdrawn) applicant. Applicant type is based on an applicant's applicant type during their first Match cycle. This means that applicants categorized as U.S. MD or DO graduates participated as a registered, ranking, or active applicant in the Match for the first time as a medical school graduate rather than as a medical school senior.

Table 6. Longitudinal outcomes of applicants who did not secure any position during their first Match cycle, by year of first Match participation

Longitudinal Outcome	Year of First Match Participation					
	2022 N=3,173		2023 N=2,882		2024 N=3,521	
	N	%	N	%	N	%
Did not secure any position (2023-2025)	919	29.0	911	31.6	1,518	43.1
Secured any position (2023-2025)	2,254	71.0	1,971	68.4	2,003	56.9
Secured a full course of training across all years of participation	2,117	66.7	1,875	65.1	1,844	52.4
Secured only a Preliminary position across all years of participation	117	3.7	79	2.7	142	4.0
Matched to any position (through the algorithm)	2,052	64.7	1,850	64.2	1,873	53.2
Secured any position through SOAP	242	7.6	145	5.0	139	4.0

Note: Year of first Match participation was determined based on an applicant's first MRM cycle as a registered, ranking, or active (i.e., non-withdrawn) applicant.

Table 7 displays similar outcomes to **Table 6** but based on how many Match cycles an applicant returned after not securing any position during their first Match cycle. Of the 9,576 applicants who did not secure any position during their first Match cycle (2022-2024), 7,684 (80.2%) returned for one cycle, 1,639 (17.1%) returned for two cycles, and 253 (2.6%) returned for three cycles by the end of the 2025 MRM.

- Looking at longitudinal outcomes by number of years returned, those who returned for the fewest number of Match cycles had the highest likelihood of securing any position. This pattern was consistent across U.S. MD seniors, U.S. DO seniors, U.S. IMGs, and non-U.S. IMGs.
 - While 66.9% of those who returned for one Match cycle secured any position, 50.2% of those who returned for three Match cycles had secured any position by the end of their fourth Match cycle (i.e., third year returning).
- While 63.5% of those who returned for one Match cycle secured a full course of training, 38.3% of those who returned for three Match cycles did so.
- Overall, there was a slight increase in the proportion of applicants who secured only a Preliminary position as number of Match cycles increased: While 2.8% of those who returned for one Match cycle secured only a Preliminary position across all years of participation, 11.5% of those who returned for three Match cycles did so.
 - By applicant type, a lower percentage of those who returned for one Match cycle had secured only a Preliminary position compared to those who returned for multiple cycles. However, for U.S. MDs and U.S. DOs, small cell sizes precluded comparison of only Preliminary outcomes for those who returned for two versus for three Match cycles.

Table 7. Longitudinal outcomes of applicants who did not secure any position during their first Match cycle, by number of years returned

Longitudinal Outcome	Returned 1 Year		Returned 2 Years		Returned 3 Years	
	N	%	N	%	N	%
All Applicant Groups	N=7,684		N=1,639		N=253	
Did not secure any position (2023-2025)	2,543	33.1	679	41.4	126	49.8
Secured any position (2023-2025)	5,141	66.9	960	58.6	127	50.2
Secured a full course of training across all years of participation	4,882	63.5	857	52.3	97	38.3
Secured only a Preliminary position across all years of participation	212	2.8	97	5.9	29	11.5
U.S. MD Seniors	N=979		N=104		N=8	
Did not secure any position (2023-2025)	96	9.8	17	16.3	1	12.5
Secured any position (2023-2025)	883	90.2	87	83.7	7	87.5
Secured a full course of training across all years of participation	793	81.0	74	71.2	4	50.0
Secured only a Preliminary position across all years of participation	70	7.2	11	10.6	2	25.0
U.S. DO Seniors	N=234		N=31		N=4	
Did not secure any position (2023-2025)	42	17.9	6	19.4	0	0.0
Secured any position (2023-2025)	192	82.1	25	80.6	4	100.0
Secured a full course of training across all years of participation	179	76.5	21	67.7	4	100.0
Secured only a Preliminary position across all years of participation	9	3.8	4	12.9	0	0.0
U.S. MD Graduates	N=44		N=11		N=2	
Did not secure any position (2023-2025)	18	40.9	3	27.3	2	100.0
Secured any position (2023-2025)	26	59.1	8	72.7	0	0.0
Secured a full course of training across all years of participation	21	47.7	6	54.5	0	0.0
Secured only a Preliminary position across all years of participation	1	2.3	1	9.1	0	0.0
U.S. DO Graduates	N=29		N=2		N=0	
Did not secure any position (2023-2025)	11	37.9	0	0.0	0	0.0
Secured any position (2023-2025)	18	62.1	2	100.0	0	0.0
Secured a full course of training across all years of participation	14	48.3	2	100.0	0	0.0
Secured only a Preliminary position across all years of participation	0	0.0	0	0.0	0	0.0
U.S. IMGs	N=1,166		N=335		N=63	
Did not secure any position (2023-2025)	418	35.8	140	41.8	32	50.8
Secured any position (2023-2025)	748	64.2	195	58.2	31	49.2
Secured a full course of training across all years of participation	720	61.7	168	50.1	26	41.3
Secured only a Preliminary position across all years of participation	24	2.1	27	8.1	5	7.9
Non-U.S. IMGs	N=5,232		N=1,156		N=176	
Did not secure any position (2023-2025)	1,958	37.4	513	44.4	91	51.7
Secured any position (2023-2025)	3,274	62.6	643	55.6	85	48.3
Secured a full course of training across all years of participation	3,155	60.3	586	50.7	63	35.8
Secured only a Preliminary position across all years of participation	108	2.1	54	4.7	22	12.5

Note: Due to Advanced and Preliminary positions, some applicants may secure a position through the algorithm and a position through SOAP. "Secured a full course of training" and "Secured only a Preliminary position" may total less than "Secured any position" because, for example, an applicant may have secured only an Advanced position across all years of participation. "Secured only a Preliminary position" includes applicants who obtained multiple Preliminary positions across all years of participation.

Discussion

The findings in this report build on existing NRMP reporting and address gaps in peer-reviewed literature by examining additional, more nuanced Match-related data.

Applicant Characteristics Across Match Outcome Groups expands on the demographic data presented in *Charting Outcomes™: Demographic Characteristics of Applicants in the Main Residency Match® and SOAP®* by examining additional Match outcome groups, including those who secured any position through the matching algorithm or SOAP and those who were withdrawn, and by examining additional applicant characteristics, including ranking behaviors and academic characteristics. Moreover, findings identified changes in applicant characteristics over time. Several differences across Match outcome groups were noted, suggesting relationships between various applicant characteristics and securement of a residency position or potential biases in residency attainment. These findings reinforce the need for ongoing data collection, interpretation, and reporting, which are critical to illuminate and understand inequities in residency attainment.

Residency Placement Outcomes During Match Week builds on NRMP's annual *Main Residency Match: Results and Data* report and 2025 Placement Rate research brief³⁷ by reporting more comprehensive Match outcomes (i.e., secured a full course of training, only a Preliminary position, only an Advanced position, only a Physician position) overall and by applicant type. For example, findings showed that most of the growth in position securement among U.S. IMGs from 2022 to 2025 was in securement of a full course of training.

Finally, **Longitudinal Trajectories of Applicants Who Initially Did Not Secure Any Position** found that nearly three quarters of applicants who did not secure any position during their first Match cycle returned to the Match, of whom 65% went on to obtain any position. Specifically, of those who did not secure any position during their first Match cycle (2022-2024) and returned, 60.9% had obtained a full course of training by the conclusion of the 2025 Match cycle.

Limitations

While a major strength of this report is its leverage of primary source Match data, when examining applicant position securement, it is restricted in its examination of positions secured solely through the MRM. Residency positions obtained outside of the MRM are not captured in these analyses. Therefore, for example, in longitudinal analyses, some applicants who did not secure any position in their first Match cycle may not have returned during a subsequent cycle because they obtained a residency position outside of the Match. Additionally, these analyses focused on positions *secured* rather than *completed*. It is possible that an applicant who secured a Categorical position began training but decided to switch specialties and return to the Match, which would not be captured in these analyses.

Next Steps

The NRMP will continue to examine Match-related data in new ways to better inform the community. Specifically, we recognize the need for more granular analyses, such as specialty-specific work and additional longitudinal analyses. As previously mentioned, there is a need to better understand the trajectories of those who only secure a Preliminary position, including not only whether they go on to secure a full course of training but also whether they are obtaining training in their preferred specialty. This report is just part of NRMP's initiative to advance understanding of relationships among applicant characteristics and Match experiences and foster greater transparency about the transition to residency.

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Appendix: Additional Data & Methods Information

The following information is relevant only to **Section 1: Applicant Characteristics Across Match Outcome Groups**.

When invited to provide demographic and academic information during R3 registration, applicants are informed that data are collected for research and reporting purposes and will never be incorporated into the matching algorithm. Consent is opt-out—applicants may indicate if they do not consent to providing either type of information (demographic or academic).

Demographic Characteristics

Detailed information about NRMP's demographic survey items can be found in NRMP's annual report, [*Charting Outcomes™: Demographic Characteristics of Applicants in the Main Residency Match® and SOAP®*](#). To optimize inclusion of applicant characteristics in this report, response options for some demographic measures were collapsed during analyses as described below. Any respondents who selected “I prefer not to answer” or “I do not know” were treated as missing and thus are not included in the percentages displayed in **Table 2**.

- **Sexual minority status:** “Sexual minority” combines applicants who reported identifying as bisexual, gay/lesbian, or another non-heterosexual sexual orientation, who were compared to the percentage of heterosexual applicants.
- **Race:** Applicants could select multiple race groups from a checklist of options. Those who selected more than one race group were assigned to categories using the following order of precedence: Native American/Alaska Native, Pacific Islander, Asian, Black/African American, White, and Other. Based on this initial categorization, applicants were then assigned to one of the following four categories for the analyses included in this report: Asian, Black/African American, Other (combines Native American/Alaska Native, Pacific Islander, Other), or White.
- **Underrepresented in medicine:** Applicants who originally self-reported being Black/African American, Hispanic/Latino, American Indian/Alaska Native, and/or Pacific Islander were considered underrepresented in medicine.
- **First generation college graduate:** “Yes” combines respondents who indicated “yes, first in immediate family” or “yes, first in extended family”, who were compared to applicants who indicated “no”, they were not the first in their family to graduate from college.
- **First generation medical school graduate:** “Yes” combines respondents who indicated “yes, first in immediate family” or “yes, first in extended family”, who were compared to applicants who indicated “no”, they were not the first in their family to graduate from medical school.

Academic Characteristics

Below is additional context about some of the academic characteristics presented in **Table 3**:

- **# Abstracts, presentations, publications:** The number of abstracts, presentations, and publications that the applicant published or presented or had accepted for presentation at a conference/meeting. Applicants reported a single value combining their abstracts/presentations/publications.
- **# Research experiences:** The number of experiences during medical school, graduate school, or undergraduate school where the applicant reported serving as a member of a research team.

- **# Volunteer experiences:** The number of experiences during medical school, graduate school, or undergraduate school where the applicant freely gave time and labor to a project, task, job, or service without payment.
- **# Work experiences:** The number of experiences during medical school, graduate school, or undergraduate school where the applicant was paid for knowledge or skills they applied to a particular field or job.

When reporting number of abstracts, presentations, publications; number of research experiences; number of volunteer experiences; and number of work experiences, applicants wrote in numeric values. Prior to analysis, extreme outlier values for each of these items were removed. Therefore, results reflect summary statistics after outlier removal.