



CHARTING OUTCOMES™: DEMOGRAPHIC CHARACTERISTICS OF APPLICANTS IN THE MAIN RESIDENCY MATCH® AND SOAP®

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Introduction

In January 2021, the NRMP Board of Directors voted to approve the collection of primary source demographic data from applicants commencing with the 2022 Main Residency Match (MRM). The decision was based on months-long study, including solicitation of feedback from the undergraduate and graduate medical education communities and leaders of national learner organizations. Key considerations in favor of collecting demographic information from applicants included the ability to better understand and report on the composition of residency applicant populations, inform efforts to address diversity, equity, inclusion, and belonging goals in the transition to residency, and increase the transparency and understanding of the matching process. There is a critical need to understand the roles of applicant demographics and potentially related biases at all points in the UME-GME transition, from application submission and review through interviewing and ranking.

Identification of Content Domains and Sourcing of Items

A work group consisting of NRMP Board members was convened to identify appropriate content domains and items within those content domains for querying applicant demographics. The final set of content domains included sex assigned at birth, sexual orientation, current gender identity, race and ethnicity, urbanicity of childhood rearing environment, childhood socioeconomic disadvantage, first-generation graduation from college, first-generation graduation from medical school, disability status, and accommodations requested and received in medical school.

To the extent possible, the work group preferred that the domains include items from existing medical education and national questionnaires and align with the demographic data collection efforts of other medical education organizations. Toward that end, the NRMP conducted examinations of questionnaires administered by entities overseeing medical education (e.g., the Association of American Medical Colleges) and physician licensing (e.g., the Federation of State Medical Boards), as well as existing national health-related surveys of the general population. The work group also directed staff to review relevant literature to locate potentially suitable measures.

When items of interest could not be identified in existing surveys, special-purpose items were crafted by the work group. Those included questions addressing childhood urbanicity and first-generation college and medical graduation. The final selection of items used to query applicant demographics may be found in Appendix A.

Data Collection Procedures

Demographic data items are administered within the NRMP's Registration, Ranking, and Results (R3) system as part of Match registration. Applicants are introduced to the items with language that makes clear the data are collected for research purposes. They are told they may refuse consent for the use of their data in research and may opt out of answering any or all questions. Further, they are informed that their demographic data will never be incorporated into the matching algorithm, never be identifiable or disaggregated for the public, and never be provided in identifiable form to programs. The NRMP's demographic data collection protocol underwent Institutional Review Board (IRB) review and was determined to be exempt from IRB oversight.

Structure and Content of this Report

Data Cell Size Requirements

To preserve applicant confidentiality, a minimum cell size of 25 respondents was required for all data points included in the report. In some cases, that threshold affected which demographic characteristics could be reported (for instance, a specialty may not have the cell sizes to allow race to be reported). It also restricted which response options within a characteristic could be reported (i.e., race could be reported for a specialty but only for specific race groups like Black/African American, Asian, and White). The NRMP will collect data annually; accordingly, the ability to present data with increasing granularity will improve for all specialties over time without compromising applicant confidentiality.

Data Presentation

With the first iteration of the report, considerations about how best to present the data were purposely broad and exploratory, the overarching goal being to provide as much specialty-specific data as possible even if it resulted in the creation of different profiles across specialties. This report includes demographic characteristics reported by applicants who participated in the **2022 and 2023 Main Residency Matches**. The viewer can choose to view the data for each year individually, or cumulatively, using the **Match Year dropdown menu**.

A unique component of the report is the ability to examine applicant demographics by **preferred specialty** (i.e., the specialty of the program ranked first on each applicant's rank order list). Because some specialties, particularly those involving combined programs, will not have enough data to populate any of the visualizations for at least the first few years of data collection, individuals viewing the visualizations will have the option to select individual preferred specialties, or superordinate categories into which some of the smaller specialties have been rolled. For example, if viewers are interested in viewing the data for Internal Medicine in addition to its combined specialties, they can select "Internal Medicine & All Combined Specialties" from the **Preferred Combined Specialty Group dropdown menu**. If viewers are interested in viewing Internal Medicine on its own or any of the individual combined specialties, they can select "Internal Medicine" or any other specific specialty from the **Preferred Specialty dropdown menu**.

It is important to reiterate that preferred specialty is based on the first-ranked specialty on each applicant's rank order list and does not necessarily mean that an applicant obtained a position within that preferred specialty. For example, applicants whose preferred specialty is Anesthesiology but who obtain a position in Internal Medicine will appear in the visualizations under Anesthesiology, ***not*** Internal Medicine.

While most visualizations offer the ability to examine the demographic information by preferred specialty, there are also visualizations that allow the viewer to examine the information by **matched specialty** (i.e., the specialty an applicant matched to through the match algorithm regardless of whether that specialty was preferred) and **accepted specialty** (i.e., the specialty in which an applicant who participated in SOAP accepted an offer in). The **Matched Combined Specialty Group, Matched Specialty Group, Accepted Combined Specialty Group, and Accepted Specialty Group dropdown menus** function in the same way as the Preferred Combined Specialty Group and Preferred Specialty Group dropdown menus described above.

In addition to the ability to examine the demographic information by specialty, three other dynamics were considered: 1) the extent to which demographic characteristics could be reported by **positions obtained in either the MRM or SOAP, as well as outcomes of the MRM (matched versus unmatched by the algorithm)**, 2) the extent to which these characteristics could be reported by **applicant type** (i.e., U.S. MD senior, U.S. DO senior, U.S. MD graduate, U.S. DO graduate, U.S. IMG, non-U.S. IMG), and 3) the extent to which demographic characteristics could be reported by **program type** (i.e., Categorical, Primary, Preliminary/Transitional, Advanced, Reserved (also known as “Physician Positions”)). Many visualizations include an **Applicant Type dropdown menu**, which allows the viewer to view the information by each of the six applicant types. Many also include a **Program Type dropdown menu**, which allows the viewer to view the demographic characteristics by **program position type**.

For a full list of visualizations and other components of this report, viewers can visit the Table of Contents screen within the interactive version of the report. Visualizations are broken into two main categories, 1) Main Residency Match and SOAP, and 2) Main Residency Match (Active Applicants Only). Below is a list of visualization types within each category, as well as a description of each.

Main Residency Match and SOAP

- **Registered Applicants by Applicant Type: Main Residency Match and SOAP**—All applicants who **registered** to participate in the Match by applicant type.
- **Active Applicant Positions Obtained: Main Residency Match and SOAP**—Positions obtained by active applicants (certified a rank order list) during the Match and/or SOAP by preferred specialty.
- **Active Applicants by Positions Obtained and Applicant Type: Main Residency Match and SOAP**—Positions obtained by active applicants in the Match and/or SOAP by preferred specialty and applicant type.
- **SOAP Positions Accepted by Specialty All Applicants: Main Residency Match and SOAP**—SOAP positions accepted by applicant type.
- **SOAP Eligible Applicants with No Position: Main Residency Match and SOAP**—SOAP-eligible applicants who did not obtain a position through the Match or SOAP.

Main Residency Match (Active Applicants Only)

- **Active Applicants by Preferred Specialty: Main Residency Match**—Demographic characteristics by preferred specialty—all applicant types.
- **Active Applicants by Applicant Type: Main Residency Match**—Demographic characteristics by preferred specialty and applicant type.
- **Active Applicants by Match Outcomes: Main Residency Match**—Demographic characteristics by preferred specialty and Match outcomes.

- **Active Applicants by Matched Specialty: Main Residency Match**—Demographic characteristics by matched specialty—all applicant types.
- **Active Unmatched Applicants by Preferred Specialty: Main Residency Match**—Demographic characteristics of unmatched applicants by preferred specialty.

The visualizations included at the specialty level have between one and 10 demographic characteristics reported. In cases where only a subset of the available response options are reported (due to small cell sizes), the percentages included in the visualizations are based only on applicants who endorsed the response options with sufficient cell sizes to report. For example, in the Applicant Positions Obtained visualization, some cell sizes for the “did not obtain a position” response option are too small to report, leading to some categories reporting 100 percent of a grouping as having obtained a position. This represents 100 percent of the data included in the visualization after the removal of the prohibitively small cells but does not represent 100 percent of the underlying data.

Consistent with standard practice in analyses of survey data, the response options “I do not know” and “I prefer not to answer” were combined for all demographic characteristics that included these two options. For first-generation college and first-generation medical school graduation, the two “yes” categories (i.e., yes first in my immediate family, yes first in my extended family) were also combined. Please see Appendix A for additional detail about the demographic characteristics queried and associated response options.

Sample and Consent Rates for the Present Report

Sample

This section of the report highlights active applicants in the 2022 and 2023 Main Residency Match in 41 specialties or specialty groups. Canadian and Fifth Pathway applicants and those who preferred Osteopathic Neuromusculoskeletal Medicine were excluded because of their small numbers, yielding a final sample size of 73,682.

Future iterations of this report will expand this section to include information for all registrants in addition to active applicants. These future versions will also include breakdowns of consent and “do not know/prefer not to answer” rates by matched and accepted specialty in addition to preferred specialty.

Consent Rates

Percentages of active applicants who consented to provide demographic data for research, combining over all applicant types, are shown in Table 1. Overall, 86.2 percent of Main Residency Match applicants consented to provide demographic data in 2022 (N=36,653) and 86.3 percent in 2023 (N=37,029). Consent rates also varied both by specialty and by applicant type. The highest consent rates for 2022 were in Pediatrics/Psychiatry/Child and Adolescent Psychiatry (91.9 percent) and lowest in Transitional Year (76.9 percent). The highest consent rates for 2023 were in Medicine/Psychiatry (95.1 percent) and lowest in Transitional Year (72.8 percent). Consent to provision of demographic data for research by applicant type, combining over preferred specialties, are shown in Table 2. The highest percentages consenting to use of

data in 2022 was observed among U.S. MD seniors (88.7 percent) while the highest rate in 2023 was observed among U.S. DO seniors (88.5 percent). Rates were lowest among U.S. DO graduates (77.0 percent) and U.S. MD graduates (77.0 percent) in 2022 and among U.S. DO graduates in 2023 (74.4 percent).

“Do Not Know” and “Prefer Not to Answer” Responses

The percentages of active applicants who consented to provide demographic data for research and indicated that they did not know or preferred not to answer one or more items were 19.2 percent in both 2022 and 2023. As noted previously, these two response options were combined for the analyses. Among applicants who did not know or preferred not to answer any items, the majority (13.5 percent of the total sample in both 2022 and 2023) gave this response to only one question. As with consent to provide demographic data, do not know/prefer not to answer responses to demographic questions varied by preferred specialty (Table 3). The lowest percentages of applicants who gave any do not know/prefer not to answer responses preferred the specialties of Thoracic Surgery (11.7 percent) in 2022 and Medicine/Psychiatry (12.8 percent) in 2023 while the highest percentages preferred Pediatrics/Psychiatry/Child and Adolescent Psychiatry in both 2022 (26.5 percent) and 2023 (31.3 percent). Do not know/prefer not to answer responses also varied by applicant type (Table 4). The lowest percentage of applicants providing any of these responses was observed among non-U.S. IMGs in both 2022 (14.5 percent) and 2023 (13.8 percent); the highest, among U.S. DO graduates in both 2022 (28.7 percent) and 2023 (26.0 percent).

Table 1. Consent Rates by Preferred Specialty—MRM

Preferred Specialty ²	Number of Active Applicants ¹ Preferring the Specialty		Number Consenting to Provide Demographic Data for Research		Consent Rate (%)	
	2022	2023	2022	2023	2022	2023
Anesthesiology	2,558	2,849	2,176	2,477	85.1	86.9
Child Neurology	181	203	162	184	89.5	90.6
Dermatology	834	855	676	705	81.1	82.5
Emergency Medicine	2,812	2,484	2,520	2,185	89.6	88.0
Family Medicine	5,053	4,752	4,297	4,026	85.0	84.7
Internal Medicine	11,928	12,362	10,153	10,621	85.1	85.9
Interventional Radiology (Integrated)	226	225	190	197	84.1	87.6
Medicine/Emergency Medicine	57	45	49	38	86.0	84.4
Medicine/Pediatrics	458	424	406	380	88.7	89.6
Medicine/Psychiatry	44	41	40	39	90.9	95.1
Neurological Surgery	379	361	333	299	87.9	82.8
Neurology	1,250	1,369	1,091	1,173	87.3	85.7
Obstetrics and Gynecology	2,051	1,997	1,860	1,797	90.7	90.0
Orthopaedic Surgery	1,435	1,383	1,253	1,216	87.3	87.9
Otolaryngology	556	472	499	418	89.8	88.6
Pathology-Anatomic and Clinical	827	897	698	764	84.4	85.2
Pediatrics	3,157	3,116	2,833	2,793	89.7	89.6
Pediatrics/Medical Genetics	33	28	28	26	84.9	92.9
Pediatrics/Psychiatry/Child and Adolescent Psychiatry	37	37	34	32	91.9	86.5
Physical Medicine and Rehabilitation	725	742	608	625	83.9	84.2
Plastic Surgery (Integrated)	339	323	291	286	85.8	88.5
Psychiatry	2,560	2,733	2,175	2,307	85.0	84.4
Radiation Oncology	162	172	130	147	80.3	85.5
Radiology-Diagnostic	1,568	1,707	1,335	1,454	85.1	85.2
Surgery-General	2,675	2,755	2,315	2,377	86.5	86.3
Thoracic Surgery	87	110	77	91	88.5	82.7
Transitional Year	212	195	163	142	76.9	72.8
Vascular Surgery	143	125	123	99	86.0	79.2
Other Specialties	158	146	138	131	87.3	89.7
TOTAL	42,505	42,908	36,653	37,029	86.2	86.3

¹ Active applicants are applicants who certified a rank order list. Excludes Canadian and Fifth Pathway applicants, those who preferred Osteopathic Neuromusculoskeletal Medicine, both exclusions due to small subgroup sizes.

² Preferred specialties that did not meet the minimum cell size for individual inclusion in this table (< 25 respondents) but are included in the “Other Specialties” row include: Diagnostic Radiology/Nuclear Medicine, Emergency Medicine/Anesthesiology, Emergency Medicine/Family Medicine, Family Medicine/Preventive Medicine, Medicine/Anesthesiology, Medicine/Dermatology, Medicine/Medical Genetics, Medicine/Preventive Medicine, Neurodevelopmental Disabilities, Pediatrics/Anesthesiology, Pediatrics/Emergency Medicine, Pediatrics/Physical Medicine and Rehabilitation, Psychiatry/Family Medicine, Psychiatry/Neurology.

Table 2. Consent Rates (%) by Applicant Type—MRM

Applicant Type	Total NRMP active applicants ¹ , N		Consented to provide demographic data, N (%)	
	2022	2023	2022	2023
U.S. MD Seniors	19,901	19,746	88.7	88.4
U.S. DO Seniors	7,292	7,426	88.4	88.5
U.S. MD Graduates	1,700	1,646	77.0	76.9
U.S. DO Graduates	704	663	77.0	74.4
U.S. IMGs	5,045	4,961	80.6	82.2
Non-U.S. IMGs	7,863	8,466	84.5	84.8

¹ Active applicants are applicants who certified a rank order list. Excludes Canadian and Fifth Pathway applicants, those who preferred Osteopathic Neuromusculoskeletal Medicine, both exclusions due to small subgroup sizes.

Table 3. “Do Not Know/Prefer Not to Answer” Responses to Demographic Questions by Preferred Specialty—MRM¹

Preferred Specialty ²	Number of “Do Not Know/Prefer Not to Answer” Responses, % ³							
	0		1		2		3 or more	
	2022	2023	2022	2023	2022	2023	2022	2023
Anesthesiology	80.6	78.2	13.4	14.7	2.9	2.4	3.1	3.8
Child Neurology	77.8	76.1	18.5	17.9	1.9	3.8	1.9	2.2
Dermatology	76.6	80.7	14.2	13.2	4.4	2.6	4.8	3.5
Emergency Medicine	80.3	78.3	13.9	15.6	3.8	3.8	2.0	2.3
Family Medicine	78.3	78.6	15.2	15.2	3.3	3.7	3.3	2.5
Internal Medicine	82.7	83.3	12.2	11.8	2.7	2.4	2.4	2.4
Interventional Radiology (Integrated)	83.7	79.7	10.5	13.7	1.6	4.1	4.2	2.6
Medicine/Emergency Medicine	83.7	76.3	14.3	18.4	2.0	5.3	0.0	0.0
Medicine/Pediatrics	83.7	79.0	11.8	15.8	2.7	2.6	1.7	2.6
Medicine/Psychiatry	85.0	87.2	12.5	12.8	2.5	0.0	0.0	0.0
Neurological Surgery	76.3	79.6	17.1	14.4	2.7	2.7	3.9	3.3
Neurology	80.2	79.1	13.8	14.8	3.4	2.9	2.6	3.2
Obstetrics and Gynecology	82.6	81.5	12.7	14.4	2.8	2.9	1.9	1.2
Orthopaedic Surgery	83.9	84.5	12.1	10.4	1.4	2.6	2.6	2.4
Otolaryngology	86.6	85.4	9.8	11.5	1.8	1.4	1.8	1.7
Pathology-Anatomic and Clinical	78.4	81.3	14.0	12.8	3.4	3.7	4.2	2.2
Pediatrics	83.4	83.4	12.1	12.4	2.8	2.9	1.7	1.3
Pediatrics/Medical Genetics	85.7	73.1	7.1	23.1	7.1	3.9	0.0	0.0
Pediatrics/Psychiatry/Child and Adolescent Psychiatry	73.5	68.8	20.6	25.0	5.9	6.3	0.0	0.0
Physical Medicine and Rehabilitation	79.9	79.4	14.1	14.1	2.6	4.0	3.3	2.6
Plastic Surgery (Integrated)	82.5	82.2	11.7	11.2	2.1	3.5	3.7	3.2
Psychiatry	75.0	74.3	16.7	17.0	4.4	4.9	3.9	3.2
Radiation Oncology	80.0	83.7	13.9	12.2	3.1	2.7	3.1	1.4
Radiology-Diagnostic	79.9	81.2	13.1	12.8	3.2	3.1	3.9	2.9
Surgery-General	78.5	80.2	15.8	13.6	2.7	3.1	3.0	3.1
Thoracic Surgery	88.3	80.2	11.7	13.2	0.0	3.3	0.0	3.3
Transitional Year	75.5	81.7	14.1	14.1	4.9	4.2	5.5	0.0
Vascular Surgery	83.7	79.8	12.2	12.1	2.4	3.0	1.6	5.1
Other Specialties	74.6	76.2	16.7	14.3	5.8	1.9	2.9	7.6
TOTAL	80.8	80.8	13.5	13.5	3.0	3.1	2.7	2.6

¹ Excludes Canadian and Fifth Pathway applicants, those who preferred Osteopathic Neuromusculoskeletal Medicine, both exclusions due to small subgroup sizes.

² Preferred specialties that did not meet the minimum cell size for individual inclusion in this table (< 25 respondents) but are include in the “Other Specialties” row include: Diagnostic Radiology/Nuclear Medicine, Emergency Medicine/Anesthesiology, Emergency Medicine/Family Medicine, Family Medicine/Preventive Medicine, Medicine/Anesthesiology, Medicine/Dermatology, Medicine/Medical Genetics, Medicine/Preventive Medicine, Neurodevelopmental Disabilities, Pediatrics/Anesthesiology, Pediatrics/Emergency Medicine, Pediatrics/Physical Medicine and Rehabilitation, Psychiatry/Family Medicine, Psychiatry/Neurology.

³ Some percentages may not add to 100 because of rounding.

Table 4. “Do Not Know/Prefer Not to Answer” Responses to Demographic Questions by Applicant Type—MRM¹

Applicant Type	Number of “Do Not Know/Prefer Not to Answer” Responses, %							
	0		1		2		3 or more	
	2022	2023	2022	2023	2022	2023	2022	2023
U.S. MD Seniors	81.3	80.6	13.4	14.0	3.1	3.3	2.2	2.2
U.S. DO Seniors	79.8	79.1	14.2	14.9	3.2	3.4	2.8	2.6
U.S. MD Graduates	74.1	76.2	16.7	15.7	3.9	2.6	5.3	5.5
U.S. DO Graduates	71.3	74.0	17.8	14.4	4.4	4.9	6.5	6.7
U.S. IMGs	75.8	77.2	16.2	15.3	3.8	3.9	4.2	3.6
Non-U.S. IMGs	85.5	86.3	10.3	9.8	1.8	1.9	2.4	2.1

¹ Excludes Canadian and Fifth Pathway applicants, those who preferred Osteopathic Neuromusculoskeletal Medicine, both exclusions due to small subgroup sizes.

² Some percentages may not add to 100 because of rounding.

Appendix A

Below is a list of the demographic items that were queried of applicants participating in the 2022 and 2023 Main Residency Matches. Due to small cell sizes, not all demographic items could be presented in the report. In future years, as sample size accrues, additional variables and response options will be reported for more specialties and at greater levels of granularity.

Items	Source(s)
<p>Are you of Hispanic, Latino, or Spanish origin or descent?</p> <p><input type="checkbox"/> Yes</p> <p><input type="checkbox"/> No</p> <p><input type="checkbox"/> Don't know/decline to answer</p> <p><i>(If of Hispanic, Latino, or Spanish origin or descent:)</i></p> <p>Which of these Hispanic, Latino, or Spanish groups best describes you? <i>(More than one category may be selected.)</i></p> <p><input type="checkbox"/> Mexican, Mexican American, Mexicano, or Chicano</p> <p><input type="checkbox"/> Puerto Rican</p> <p><input type="checkbox"/> Central or South American</p> <p><input type="checkbox"/> Cuban or Cuban American</p> <p><input type="checkbox"/> Dominican (from Dominican Republic)</p> <p><input type="checkbox"/> Spanish (from Spain)</p> <p><input type="checkbox"/> Other (specify) _____</p> <p><input type="checkbox"/> I do not know <input type="checkbox"/> I prefer not to answer</p> <p>Which of these groups describes you? <i>(More than one category may be selected.)</i>^a</p> <p><input type="checkbox"/> White</p> <p><input type="checkbox"/> Black or African American</p> <p><input type="checkbox"/> American Indian or Alaska Native (American Indian includes North American, Central American, and South American Indians)</p> <p><input type="checkbox"/> Native Hawaiian</p>	<p>Adapted from Substance Abuse and Mental Health Services Administration National Survey on Drug Use and Health</p>

<p> <input type="checkbox"/> Guamanian or Chamorro <input type="checkbox"/> Samoan <input type="checkbox"/> Other Pacific Islander <input type="checkbox"/> Asian (including: Asian Indian, Pakistani, Bangladeshi, Sri Lankan, Chinese, Filipino, Japanese, Korean, and Vietnamese) <input type="checkbox"/> Other (specify) _____ <input type="checkbox"/> I do not know <input type="checkbox"/> I prefer not to answer </p> <p><i>(If identified as Asian:)</i></p> <p>Please tell me which of these Asian groups describes you?</p> <p> <input type="checkbox"/> Asian Indian <input type="checkbox"/> Pakistani <input type="checkbox"/> Bangladeshi <input type="checkbox"/> Sri Lankan <input type="checkbox"/> Chinese <input type="checkbox"/> Filipino <input type="checkbox"/> Japanese <input type="checkbox"/> Korean <input type="checkbox"/> Vietnamese <input type="checkbox"/> Other (specify) _____ <input type="checkbox"/> I do not know <input type="checkbox"/> I prefer not to answer </p> <p><i>(If identified as other racial group 2 questions previously)</i></p> <p>Please tell me which other racial group describes you _____</p> <p> <input type="checkbox"/> I do not know <input type="checkbox"/> I prefer not to answer </p>	
<p>How would you characterize the area in which you grew up?</p> <p><input type="checkbox"/> Rural</p>	<p>Developed by Work Group</p>

<input type="checkbox"/> Suburban <input type="checkbox"/> Urban <input type="checkbox"/> I do not know <input type="checkbox"/> I prefer not to answer	
<p>Are you the first member of your family to graduate from college?</p> <input type="checkbox"/> Yes, immediate family <input type="checkbox"/> Yes, extended family <input type="checkbox"/> No <input type="checkbox"/> I do not know <input type="checkbox"/> I prefer not to answer	<p>Developed by Work Group</p>
<p>Are you the first member of your family to graduate from medical school?</p> <input type="checkbox"/> Yes, immediate family <input type="checkbox"/> Yes, extended family <input type="checkbox"/> No <input type="checkbox"/> I do not know <input type="checkbox"/> I prefer not to answer	<p>Developed by Work Group</p>

<p><i>(These two items were only asked of U.S. citizens.)</i></p> <p>Before you were 18 years old, was there ever a time when your family received money from government assistance programs? Examples include: food stamps or Supplemental Nutrition Assistance Program (SNAP); National School Lunch Program; general assistance; welfare; Aid to Families with Dependent Children; or Temporary Assistance for Needy Families?</p> <p><input type="checkbox"/> Yes</p> <p><input type="checkbox"/> No</p> <p><input type="checkbox"/> I do not know</p> <p><input type="checkbox"/> I prefer not to answer</p> <p>Before you were 18, did you have to work to contribute to your family's income?</p> <p><input type="checkbox"/> Yes</p> <p><input type="checkbox"/> No</p> <p><input type="checkbox"/> I do not know</p> <p><input type="checkbox"/> I prefer not to answer</p>	<p>Adapted from National Institute on Alcohol Abuse and Alcoholism National Epidemiologic Survey on Alcohol and Related Conditions-III, 2011</p>
<p>What sex were you assigned at birth?</p> <p><input type="checkbox"/> Male</p> <p><input type="checkbox"/> Female</p> <p><input type="checkbox"/> I prefer not to answer</p>	<p>Association of American Medical Colleges (AAMC) Matriculating Student Questionnaire (MSQ) and Year 2 Questionnaire (Y2Q), 2020</p>
<p>What is your current gender identity? Select all that apply:</p> <p><input type="checkbox"/> Male</p> <p><input type="checkbox"/> Female</p> <p><input type="checkbox"/> Trans male/Trans man</p> <p><input type="checkbox"/> Trans female/Trans woman</p> <p><input type="checkbox"/> Genderqueer/gender nonconforming</p>	<p>AAMC MSQ and Y2Q, 2020</p>

<input type="checkbox"/> Different identity (please state) _____ <input type="checkbox"/> I prefer not to answer	
<p>How do you self-identify?</p> <input type="checkbox"/> Bisexual <input type="checkbox"/> Gay or lesbian <input type="checkbox"/> Heterosexual or straight <input type="checkbox"/> I do not know <input type="checkbox"/> I prefer not to answer	<p>Adapted from AAMC Y2Q and MSQ, 2020</p>
<p>If one of the above three identities did not best describe you, then with what identity do you feel more comfortable?</p> <p>I self-identify as: _____</p> <input type="checkbox"/> I prefer not to answer	<p>AAMC Y2Q, 2020</p>
<p>Are you a person with a disability (e.g., ADHD, learning, psychological, chronic health, mobility, hearing, vision, etc.)?</p> <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> I do not know <input type="checkbox"/> I prefer not to answer	

<p><i>(If responded affirmatively to the above:)</i></p> <p>Which of the following best describes your disability? If you have more than one type, select all that apply. (Optional: please add a brief description where provided.)</p> <ul style="list-style-type: none"> <input type="checkbox"/> Attention deficit/hyperactivity disorder <input type="checkbox"/> Chronic health disability <input type="checkbox"/> Deaf or hard of hearing <input type="checkbox"/> Learning disability <input type="checkbox"/> Mobility disability <input type="checkbox"/> Psychological disability <input type="checkbox"/> Visual disability <input type="checkbox"/> Other <input type="checkbox"/> I do not know <input type="checkbox"/> I prefer not to answer 	<p>AAMC Y2Q, 2020</p>
<p><i>(If responded “yes” to disability question:)</i></p> <p>Did you request accommodations from your medical school?</p> <ul style="list-style-type: none"> <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> I do not know <input type="checkbox"/> I prefer not to answer 	<p>AAMC Y2Q, 2020</p>
<p><i>(If responded “yes” to whether requested accommodations:)</i></p> <p>Has your medical school provided accommodations for your disability?</p> <ul style="list-style-type: none"> <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> I do not know <input type="checkbox"/> I prefer not to answer 	<p>AAMC Y2Q, 2020</p>

<p><i>(If accommodation not provided:)</i> Which of the following best describes why your medical school did not or has not provided accommodations?</p> <p><input type="checkbox"/> My request for accommodations was denied</p> <p><input type="checkbox"/> My request for accommodations is under review</p> <p><input type="checkbox"/> I do not know</p> <p><input type="checkbox"/> I prefer not to answer</p>	<p>AAMC Y2Q, 2020</p>
<p><i>(If responded “no” to whether requested accommodations:)</i> Which of the following best describes why you did not request accommodations from your medical school?</p> <p><input type="checkbox"/> I have not requested accommodations because I feel I do not need accommodations</p> <p><input type="checkbox"/> I have not requested accommodations for other reasons <i>(Please specify: _____)</i></p> <p><input type="checkbox"/> I do not know</p> <p><input type="checkbox"/> I prefer not to answer</p>	<p>AAMC Y2Q, 2020</p>

^a Applicant-reported race is reported here with each applicant classified in a single category based on a modification of the Census Bureau algorithm as implemented in the 2010 Census. In the future the NRMP Research Team plans to explore other approaches that may have greater utility for classification. Going forward the NRMP Research Team will also examine the subgroup compositions of the race identity categories and develop additional codes for them as needed.

In the categorization used for this report, applicants were assigned to categories using the following order of precedence: Native American/Alaska Native, Pacific Islander, Asian, Black/African American, White, and Other.

Version History

Version Number	Date Published	Description of changes since previous version
1.1	May 1, 2023	N/A
1.2	May 30, 2023	<p>Applicants who preferred or matched to a preliminary/transitional program are included in version 1.2 of this report. The following changes have been made:</p> <ul style="list-style-type: none"> • Data visualizations now include applicants who preferred or matched to a preliminary/transitional program. • Data visualizations now include a “Program Type” dropdown menu. • The “Sample and Consent Rates for the Present Report” section has been updated to include applicants who preferred or matched to a preliminary/transitional program (this includes the narrative and associated tables).
1.3	June 29 2023	<p>Additional information regarding applicants who were eligible for and/or participated in SOAP has been included in version 1.3 of this report. To capture all SOAP eligible applicants, the data included in some visualizations have been expanded to include all applicants who registered to participate in the Main Residency Match and are not restricted to only active applicants. The following visualizations have been added:</p> <ul style="list-style-type: none"> • Demographic characteristics of all <i>registered</i> applicants • Demographic characteristics of all <i>active</i> applicants who were matched by the algorithm by their <i>matched specialty</i> • Demographic characteristics of all applicants who <i>accepted an offer during SOAP</i> by the specialty in which they accepted an offer • Demographic characteristics of applicants who participated in the Match but were <i>not matched by the algorithm</i> • Demographic characteristics of applicants who were eligible to participate in SOAP but <i>did not accept a position</i> during this process <p>A Table of Contents screen was also added to streamline navigation throughout the report.</p>