

DOXIMITY RESIDENCY NAVIGATOR

Our Residency Research Methodology

Doximity's Residency Navigator is a tool built to help medical students make informed residency decisions and to increase transparency in the residency match process.

Residency Navigator is comprised of three major parts — (1) current resident and recent alumni satisfaction data, (2) reputation data, and (3) objective data. Satisfaction data is derived from satisfaction survey responses from each residency's current residents and recent graduates. Reputation data is derived from nomination survey responses, which is limited to board-certified physicians in that specialty and is alumni-weighted. Objective data is compiled from a variety of public sources as well as our proprietary Doximity database, which covers all U.S. physicians, regardless of that physician's Doximity membership status.

The Residency Navigator user experience begins with a personalized search. Access to the public is limited in scope, whereas medical student and physician members of Doximity can customize extensive search parameters such as geography, training environment, program size and fellowship/subspecialization rates (for more information, see Program Page Data below). From the search page, members select search parameters to generate a personalized list of programs that best suit their preferences and career goals, or browse a national map of programs in their specialty of interest. Each searcher can then explore detailed, program-level information by accessing individual residency program pages, including a new "people like you" section that highlights notable alumni such as those who graduated from the searcher's own medical school and attended that residency program. Medical students can also bookmark programs to their favorites list to organize and add private, personalized notes about each program as they go through the application interview process and prepare their Rank Order List.

The following document provides a detailed overview of the definition, source and data methodology used in the Residency Navigator.

Table of Contents

- **Resident Satisfaction Survey**
- **Reputation Data Among Board Certified Physicians**
- **Measurement of Research Output**
- **Program Page Data**

About Doximity

Doximity is the largest online professional network for U.S. physicians. Its comprehensive physician database includes every United States physician as identified by their National Provider Identifier (NPI) number. Physician information is compiled from hundreds of sources including the United States Department of Health and Human Services NPI Registry, state medical boards, and specialty boards (e.g. American Board of Medical Specialties, American Board of Surgery). Doximity's proprietary database is additionally bolstered by registered and identity-verified physician members who review and update their profiles to provide an additional set of primary data.

Resident Satisfaction Survey

All verified physician members who are current residents or recent residency graduates and meet eligibility criteria may review their residency program experience in the Resident Satisfaction Survey.

Eligibility criteria:

- Have completed at least one year of an eligible residency
 - OR have graduated from an eligible residency within the past 10 years
- Residency was a U.S. based M.D. program in the following specialties:
 - Anatomic & Clinical Pathology
 - Anesthesiology
 - Child Neurology
 - Dermatology
 - Diagnostic Radiology
 - Emergency Medicine
 - Family Medicine
 - Internal Medicine
 - Interventional Radiology
 - Medical Genetics
 - Medicine/Pediatrics
 - Neurological Surgery
 - Neurology
 - Nuclear Medicine
 - Obstetrics & Gynecology
 - Ophthalmology
 - Orthopedic Surgery
 - Otolaryngology
 - Pediatrics
 - Physical Medicine & Rehabilitation
 - Plastic Surgery
 - Preventative Medicine

- Psychiatry
- Radiation Oncology
- Surgery
- Thoracic Surgery
- Urology
- Vascular Surgery

Responses are anonymized before publication and users are allowed one response for the satisfaction survey.

A screenshot of the Satisfaction Survey is below:

What was life like at your residency program?
 Help future applicants by sharing your experience at
MacNeal Hospital, Family Medicine Program

How was your residency experience?

Overall Willingness to recommend this program to others	☆☆☆☆☆
Work Hours Tolerability of shift and call schedules	☆☆☆☆☆
Schedule Flexibility Accommodation around weddings, pregnancy, deaths, etc.	☆☆☆☆☆
Career Guidance Support around job/fellowship placement and quality of mentorship	☆☆☆☆☆
Culture Cohesiveness of the residency and clinical community	☆☆☆☆☆
Clinical diversity Exposure to populations, diseases, procedures, and practice settings	☆☆☆☆☆

Tell us more about your experience

Review Headline

Write your review here, e.g. My residency program...

How will my review appear?
 All reviews will be screened prior to appearing on your program page and will be displayed anonymously.

"Program director is very accessible"
I didn't think I'd have such a roll up your sleeves experience with my PD. Dr. Morris is simply wonderful.

— Recent alumnus

Become a Mentor
 Mentors are available to answer questions via email from potential applicants about this residency program. Your status as a mentor, with a link to your Doximity profile, will appear on the program page.

Yes. I'm interested.

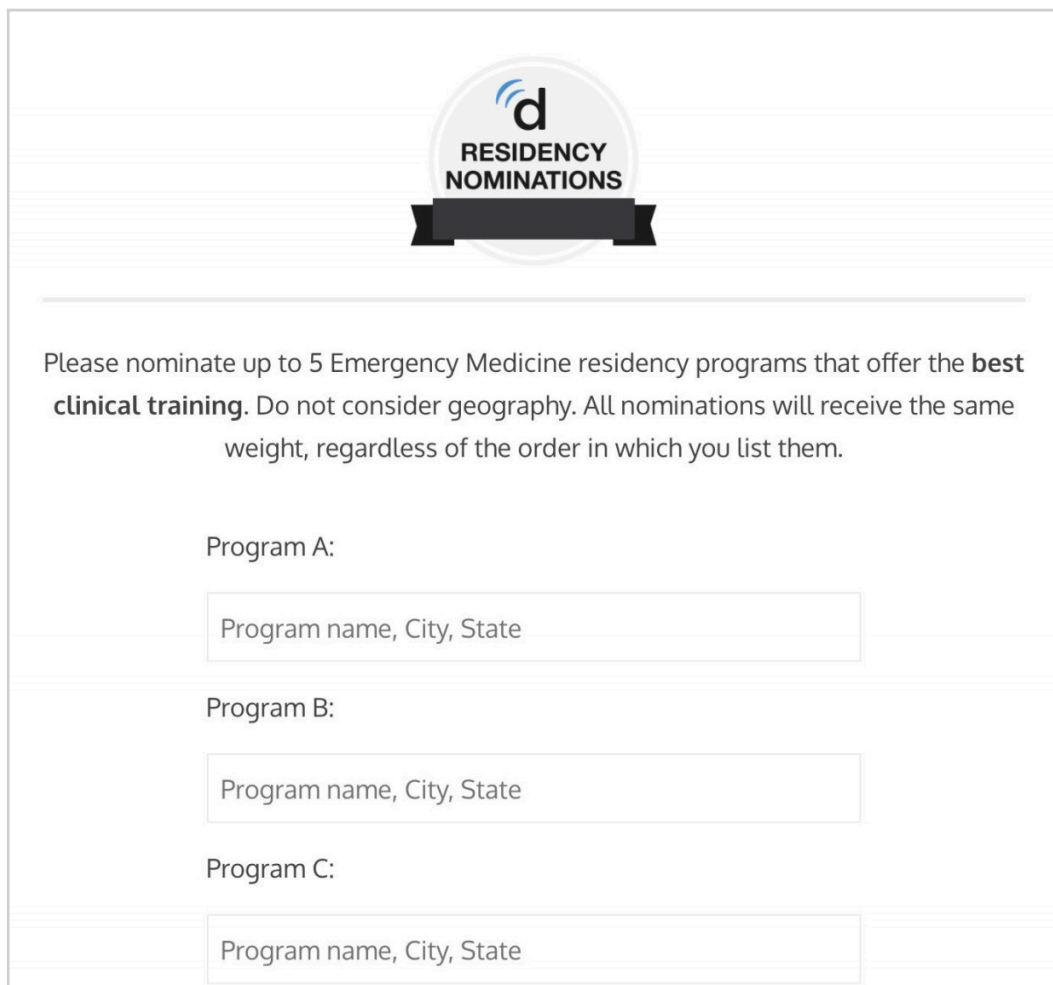
Reputation Data Among Board Certified Physicians

Eligible physicians who were Doximity members were prompted to submit nominations when they signed in to the Doximity website or via email. Eligible physicians who are not Doximity members were also able to share their nominations by registering and verifying with Doximity before the end of the survey period.

Eligibility to participate in the survey is determined by a physician's board certification (see table below):

Program	Board	Specialty
Anatomic & Clinical Pathology	American Board of Pathology	Anatomic & Clinical Pathology
Anesthesiology	American Board of Anesthesiology	Anesthesiology
Child Neurology	American Board of Psychiatry & Neurology	Child Neurology
Dermatology	American Board of Dermatology	Dermatology
Diagnostic Radiology	American Board of Radiology	Diagnostic Radiology
Emergency Medicine	American Board of Emergency Medicine	Emergency Medicine
Family Medicine	American Board of Family Medicine	Family Medicine
Internal Medicine	American Board of Internal Medicine	Internal Medicine
Medical Genetics	American Board of Medical Genetics & Genomics	Medical Genetics
Medicine/Pediatrics	American Board of Internal Medicine & Pediatrics	Medicine/Pediatrics
Neurological Surgery	American Board of Neurological Surgery	Neurological Surgery
Neurology	American Board of Neurology	Neurology
Nuclear Medicine	American Board of Nuclear Medicine	Nuclear Medicine
Obstetrics & Gynecology	American Board of Obstetrics & Gynecology	Obstetrics & Gynecology
Ophthalmology	American Board of Ophthalmology	Ophthalmology
Orthopaedic Surgery	American Board of Orthopaedic Surgery	Orthopaedic Surgery
Otolaryngology	American Board of Otolaryngology	Otolaryngology
Pediatrics	American Board of Pediatrics	Pediatrics
Physical Medicine & Rehabilitation	American Board of Physical Medicine & Rehabilitation	Physical Medicine & Rehabilitation
Plastic Surgery	American Board of Plastic Surgery	Plastic Surgery
Preventative Medicine	American Board of Preventative Medicine	Preventative Medicine
Psychiatry	American Board of Psychiatry & Neurology	Psychiatry
Radiation Oncology	American Board of Radiology	Radiation Oncology
Surgery	American Board of Surgery	Surgery
Urology	American Board of Urology	Urology

Each physician could nominate up to five residency programs via a survey similar to the one below:



The image shows a survey form titled "RESIDENCY NOMINATIONS" with a logo featuring a stylized 'd' and a signal icon. Below the title, the instructions read: "Please nominate up to 5 Emergency Medicine residency programs that offer the **best clinical training**. Do not consider geography. All nominations will receive the same weight, regardless of the order in which you list them." The form contains three sections for nomination, each with a label and a text input field:

- Program A:
- Program B:
- Program C:

The results of the past three years of nomination surveys are pooled in order to calculate reputation.

To account for self-nominations, all nominations were classified as alumni and non-alumni responses. Alumni (self) nominations are weighted by a static value less than that of a non-alumni nomination. Then they are further weighted by the inverse size of the program's alumni. This is to make sure that larger programs don't have a self-vote advantage. Additionally, nominations from physicians who graduated more recently are weighted more than physicians who graduated less recently.

Given Program Directors' intimate knowledge of residency training curriculum, we now give more weight to Program Director nominations than that of a non-alumni response.

Measurement of Research Output

Doximity profile data of U.S. physicians was used to calculate research output score for each residency program's current residents and recent alumni base. This score was calculated from a combination of the collective h-index of publications authored by alumni graduating within the past 10 years, the ratio of current residents and recent graduates publishing, as well as research grants awarded and participation in clinical trials. Each program's alumni research output was then compared to all other programs within the same specialty to create a percentile score. Research Output may be refreshed periodically to account for new alumni publication and clinical trial data. These updates may affect the Research Output sort order.

Program Page Data

An example program page is below. These complete pages are available to signed-in members only.

The screenshot displays a program page for the University of California (San Diego) Medical Center Family Medicine Residency Program. The page includes a navigation bar with links for HOME, COLLEAGUES, FAX+MAIL, CME, and RESIDENCY. The program's name and location are prominently displayed, along with a star rating of five stars. Key statistics are shown in a row: 27 Total Filled Spots, 100% Board Pass Rate †, 99% Board Certified †, < 50% Alumni Publication Percentile ‡, 95% Alumni Clinical Trial Percentile ‡, and 1973 Founding Year. The 'Where You'll Spend Your Time' section features a stacked bar chart showing rotation months over three years, with a legend listing various medical centers and their respective month counts. The 'About This Program' section includes a profile for Program Director Dustin Lillie, MD, and Program Coordinator Melissa Wahl, M.D., along with contact information and a link to the program website. The 'Gender Balance' section shows a donut chart indicating 57% Female and 43% Male residents. The 'Top Feeder Med Schools' section lists several institutions, including Western University College of Osteopathic Medicine of the Pacific, College of Osteopathic Medicine of the Pacific, University of California Irvine School of Medicine, New York Medical College, University of Florida College of Medicine, and University of Nevada School of Medicine. The 'Alumni Satisfaction' section displays a quote from a resident and a table of satisfaction ratings for various aspects of the program, such as Overall Satisfaction, Work Hours, Schedule Flexibility, Career Guidance, Culture, and Clinical Diversity. The 'People Like You' and 'Alumni Map' sections are also visible, with the map showing the locations of alumni across the United States.

The following section provides further explanation of the main data listed on the program page not explained on the page itself. Unless otherwise specified, objective data derived from the Doximity database covers all physicians, regardless of Doximity membership status. Program pages may be refreshed throughout the year to account for updated data such as new alumni publications, fellowships, board certifications and practice settings. This may affect the Research Output, Percent Subspecialize and Percent Board Certified rates as well as their respective sort orders.

▪ Alumni Publication Percentile

Publication percentile is calculated from a combination of the collective h-index of publications authored by program alumni. Data is derived from publication analysis of alumni who graduated within the past 15 years, regardless of Doximity membership status.

▪ Alumni Clinical Trial Percentile

Alumni clinical trial percentile is calculated from clinical trial and grant data derived from Doximity profiles of alumni who graduated within the past 15 years, regardless of Doximity membership status.

▪ Top Sub-Specialties by Alumni

Sub-specialty percentages and common subspecialties are derived from Doximity profile data of alumni who graduated within the past 10 years, taking into account current sub-specialty, board certification, and fellowship data. The most common sub-specialties for alumni following their residency are displayed. Discrepancy between the overall percentage who subspecialize and the aggregate top sub-specialty percentages may exist because some physicians may have more than one subspecialty listed.

▪ Gender Balance

Gender balance percentage is derived from Doximity profile data of current residents and alumni who graduated within the past 10 years, regardless of Doximity membership status.

▪ Feeder Medical Schools

Feeder medical school data is from Doximity profile data of alumni who graduated within the past 10 years. The most common medical schools among the alumni of a given residency are displayed.

▪ Satisfaction Ratings & Reviews

Data is derived from the responses of verified physician members who are current residents or recent alumni (having graduated from residency in the last 10 years) of the particular program. Responses are anonymized before publication. Published data reflects the 6 questions and 1 free text review prompt of the Satisfaction Survey instrument:

- **Overall satisfaction:** Willingness to recommend this program to others.
- **Work hours:** Tolerability of shift and call schedules.
- **Schedule flexibility:** Accommodation for weddings, pregnancy, deaths, etc.
- **Career guidance:** Support around job/fellowship placement; quality of mentorship
- **Culture:** Cohesiveness of the residency and clinical community
- **Clinical diversity (Non-surgical residencies):** Exposure to populations, disease procedures, and practice settings

▪ Alumni Metro Areas

Data is derived from Doximity user profile data of alumni who graduated within the past 10 years. Metro areas are as defined by the [U.S. Census Bureau](#).

▪ Alumni Map

Data is derived from Doximity user profile data. When an alumni population is significantly large, a subset of profiles will be displayed.

Should you have any questions regarding this methodology, or marketing and press guidelines, please contact us at residency@doximity.com.