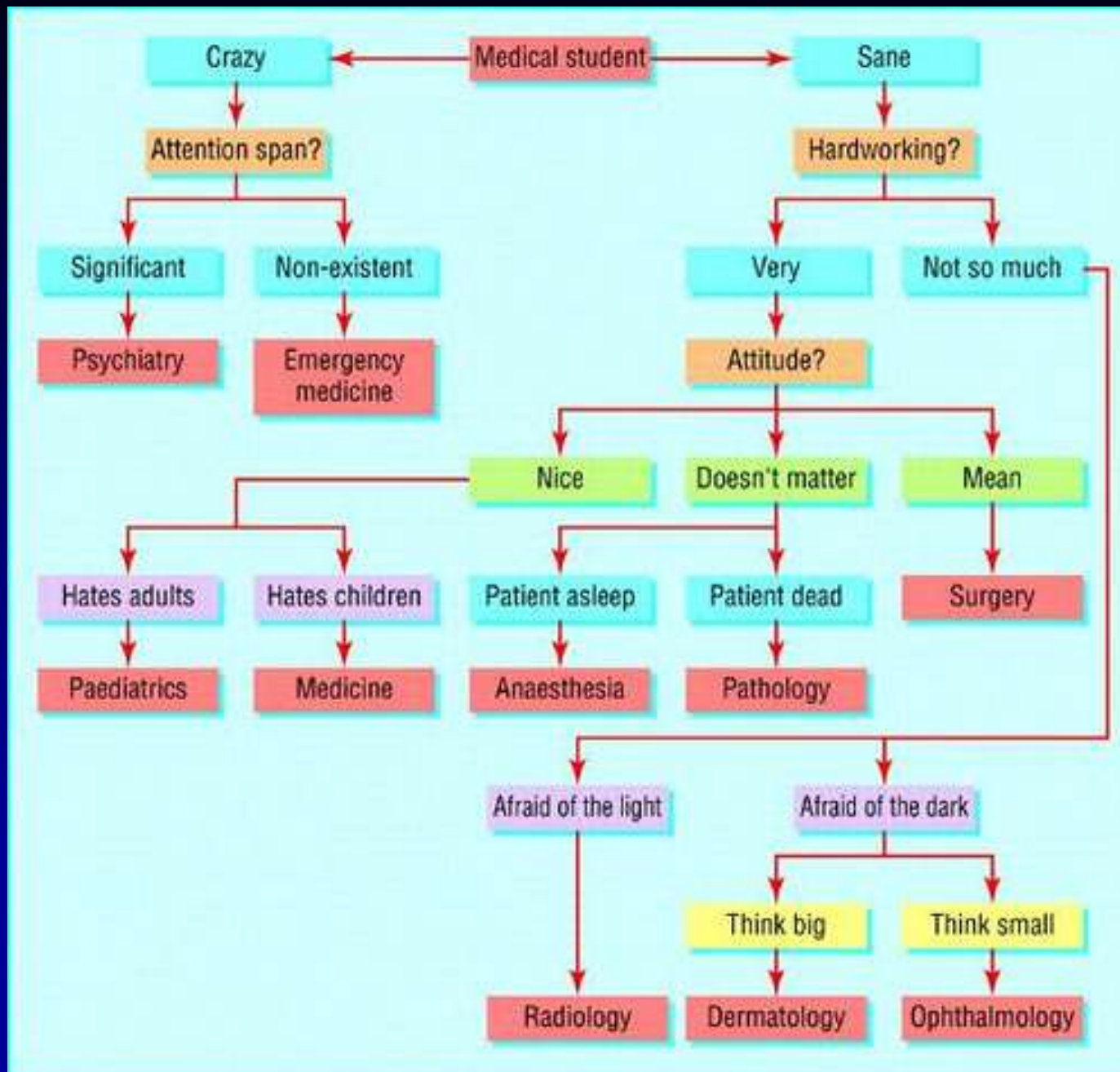


Anesthesiology Career Night

June 10, 2015

Brian Woodcock
Medical Student Clerkship Director





Order of the Evening

- **Introductions**
- **Timeline: What to do When?**
- **Tips and Hints**
- **CV**
- **Personal Statement**
- **Letters of Recommendation**
- **Selecting Programs**
- **Interviewing**
- **Questions**

283 Days to Match Day!

Timeline

- September 15th
 - Match registration opens at 12:00 p.m. ET
- November 30th
 - Applicant Early Registration Deadline at 11:59 p.m. ET
 - Applicants registering later will be charged a late fee
- October to January
 - Interviews
- January 15
 - Rank order list entry begins at 12:00 p.m. ET for all users
- February 24
 - Rank Order List Deadline/Applicant Late Registration Deadline at 9:00 p.m. ET

Timeline – Match Week

- Mar 14
 - Applicants find out whether they matched
 - Program directors find out whether all positions filled
 - ***Supplemental Offer and Acceptance Program® (SOAP®)*** begins with release of the List of Unfilled Programs
- Mar 17
 - Program directors receive their Confidential Roster of Matched Applicants
 - ***SOAP*** concludes at 5:00 p.m. ET
- Mar 18
 - Match Day! Match results released at 1:00 p.m. ET.

Timeline - NOW

- Talk with a Career Advisor
 - Career decision
 - M4 Schedule
 - Electives, away rotations
 - Competitiveness
 - Programs
 - Anticipated problems
 - Start Personal Statement
 - Start CV

Career Advisors

- Get input from many people
- Dr. Kevin Tremper, Chair, and Dr. Norah Naughton, Program Director
- General: Dr. Sadana Nishant, Dr Andy Dering
- Cardiac anesthesiology: Dr. Jen Vance, Dr. Brian Woodcock, Dr Anna Dubovoy
- Pediatric anesthesiology: Dr. Bishr Haydar, Dr. Devi Chiravuri, Dr Joseph Martinez, Dr Robert Christensen
- Neuroanesthesiology: Dr. Laurel Moore, Dr Magnus Teig
- Obstetric anesthesiology: Dr. Baskar Rajala
- Critical care: Dr. Michael Maile, Dr Jehad Albetaineh Dr Milo Engoren
- Pain management: Dr. Paul Hilliard, Dr. Srinivas Chiravuri, Dr Goodarz Golmirzae
- Clinical Research: Dr. Sachin Kheterpal, Dr. Krishna Ramachandran
- VA Dr. Jennifer Thomas-Goering

Resident Advisors

- Talk every resident you meet!
 - They have been through this recently
- Laura Zung
- Fadi Shihadeh
- Ryan Schutter
- Matt Wixom

Timeline- NOW

- Gather information about specific programs
 - FREIDA
 - studentdoctor.net
 - AMA
 - ASA
- Discuss programs- recent grads, fellows, residents, faculty

FREIDA Online

The screenshot shows a web browser window with the URL <https://freida.ama-assn.org/Freida/user/search/programSearch.do>. The browser's address bar and tabs are visible at the top. The page header includes navigation links: [AMA | Membership | JAMA Network | AMA Store](#), [Dr. Brian Woodcock](#), and [Your Account](#). The main heading is **FREIDA Online**, accompanied by the **AMA AMERICAN MEDICAL ASSOCIATION** logo. Below the heading is a navigation bar with [Search](#), [Comparison](#), and [Dashboard](#) options. The **Search Programs** section is active, with the instruction: "Define and narrow your search by selecting one or more of the following options." It features three search filters: **Specialties** (with a dropdown menu showing "Anesthesiology" and a link to "Browse Specialties" with examples like "Neurology, Pediatrics"), **Locations (State and/or Region)** (with a dropdown menu showing "Michigan" and a link to "Browse Locations" with examples like "Illinois, Midwest"), and **Keywords**. On the right side, there is a **FREIDA Online Information** sidebar with a list of links: [FREIDA Online Information](#), [Program Search](#), [Institution Search](#), [Medical School Affiliations Search](#), [Specialty Training Statistics](#), [Graduates' Career Plans](#), [About FREIDA Online](#), and [Contact FREIDA Online](#).

Google N... UM Anesthesi... Home | U... Visiting St... SurveyMo... SurveyMo... Main Mat... FREIDA On... amcas - G... +

https://freida.ama-assn.org/Freida/user/search/programSearchSubmit.do?specialtiesToSearch=040&statesToSearch=040

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AMA | Membership | JAMA Network | AMA Store Dr. Brian Woodcock Your Account

FREIDA Online

AMA
AMERICAN MEDICAL
ASSOCIATION

Search Comparison Dashboard

Search Results

4 program(s) match your search criteria.

William Beaumont Hospital Program Program Id: 0402513202 Specialty: Anesthesiology State/Region: Michigan / East North Central	Add to Comparison
University of Michigan Program Program Id: 0402521071 Specialty: Anesthesiology State/Region: Michigan / East North Central	Add to Comparison
Henry Ford Hospital/Wayne State University Program Program Id: 0402521185 Specialty: Anesthesiology State/Region: Michigan / East North Central	Add to Comparison
Detroit Medical Center/Wayne State University Program Program Id: 0402531073 Specialty: Anesthesiology State/Region: Michigan / East North Central	Add to Comparison

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William Beaumont Hospital Program

City / State	Royal Oak, MI	NRMP	Yes
Region	East North Central (IL,IN,MI,OH,WI)	Accepting Applications 2014-15 / 2015-16	No / Yes
Program Number	0402513202	# 1st Year Positions	6
Specialty	Anesthesiology	Program Length	4 Years
ERAS	Yes	Program Type	Community Hospital (University Affiliated)

[Remove from Comparison](#)

University of Michigan Program

City / State	Ann Arbor, MI	NRMP	Yes
Region	East North Central (IL,IN,MI,OH,WI)	Accepting Applications 2014-15 / 2015-16	No / Yes
Program Number	0402521071	# 1st Year Positions	24
Specialty	Anesthesiology	Program Length	4 Years
ERAS	Yes	Program Type	University Hospital

[Remove from Comparison](#)

Henry Ford Hospital/Wayne State University Program

City / State	Detroit, MI	NRMP	Yes
Region	East North Central (IL,IN,MI,OH,WI)	Accepting Applications 2014-15 / 2015-16	No / Yes
Program Number	0402521185	# 1st Year Positions	12
Specialty	Anesthesiology	Program Length	4 Years
ERAS	Yes	Program Type	Community Hospital (University Affiliated)

[Remove from Comparison](#)

Detroit Medical Center/Wayne State University Program

City / State	Detroit, MI	NRMP	Yes
Region	East North Central (IL,IN,MI,OH,WI)	Accepting Applications 2014-15 / 2015-16	No / Yes

June-July

Finish Personal Statement

- Interest in Anesthesiology
 - Will you say you like “physiology and pharmacology”?
- Personal credentials and strengths
- Experiences that demonstrate relevant personal qualities
- Distinguishing traits
- Future goals

Personal Statement

- Demonstrate your interest in anesthesiology and show how you would be a strong future resident
- Do not fill half a page about how great anesthesia is, the reader wants to know about you

Personal statement

- Explain any time gaps or academic difficulties
- Be unique, but not too unique
- Avoid sappy quotes, poems
- Have many people review it
- Keep to ONE PAGE
- Proofread!!! Spill chack!!!
- Be prepared to discuss any details in CV and PS during your interview

Finish CV (ERAS format)

- Volunteer
- Research
- Leadership
- Activities
- Work
- Awards

Research

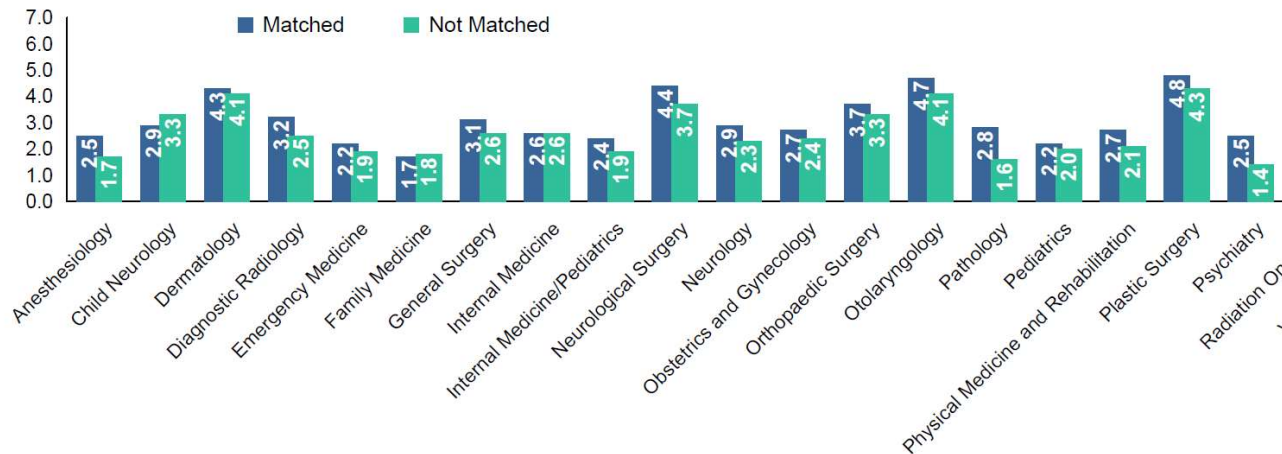
- Not as necessary as you probably think
- Bonus on CV
 - Especially if high involvement
- Publications help

Research

**Chart
8**

**Mean Number of Research Experiences
by Preferred Specialty, Applicant Type, and Match Status**

U.S. Seniors



Source: NRMP I

Anesthesiology
Child Neurology

Tips and Hints - CV

- Do not include things from high school
- Can include some college information if outstanding
- Only include things you have actually done!
- Describe the activity and your role in 1-2 sentences- Galens, MedBuddies

Letters of Recommendation

- ERAS permits 3-4 letters (does not include Dean's)
 - Anesthesiology Chair
 - Michigan expects to see this or at least Medical Student Director
 - Other faculty who know you well
 - Can be difficult in Anesthesiology
 - Faculty who you did case write up with
 - CVICU Sub-I can be great to establish yourself with Anesthesiology faculty
 - Research mentor: MSTP, FAER, or other significant research

Tips and Hints

– Letters of Recommendation

- Ask if writer can write a "strong" letter
- Give CV, PS and even some bullet points
- Best if letter is more personal
- Letters – well rounded view
 - At least one that comments on clinical skills
 - At least two in Anesthesiology

Letters

- Advance warning (at least 1 month)
- Ask when you should expect their letter to be finished
- Ask your letter writers what materials they would like for you to provide (CV, PS)
- Would they like any reminders?
- Remind your letter writers

Chair Letter appointment

- Contact Jenny Mace to set this up
- Dr Tremper will use your evaluations to help in writing the letter

Chair Letter Appointment

- **Will need:**
 - CV
 - PS
 - Transcript
 - M4 schedule
 - step scores/dates to take
 - ERAS form

Selecting Programs

- Must meet YOUR Educational/Career/Personal needs!
Consider....
- Location
 - Support system nearby?
 - Personal Needs/preferences
 - Cost of Living
 - Ease of Living – safety etc

Selecting Programs

- Type of Program
 - University Based
 - Community Based
 - Reputation
 - Research
- Size
 - Small – 3-7 residents per year
 - Medium 8-17
 - Large > 18

Transitional versus Categorical Year

- You apply for PGY1 (4years) or PGY2 (3 years) positions
- ERAS allows you to rank both on same list
- You need a separate Internship application for PGY2 programs
 - Internships can be very competitive
- Internship *must* include ICU and ER

Selecting Programs

- Other
 - Faculty approachable, enjoy teaching?
 - Residents appear happy?
 - Balance of work load?
 - Do you fit in?

Selecting Programs

- Talk with faculty, recent grads, residents, fellows
- Apply to at least 20
 - More if couples matching, academic difficulties
- Have back-up plan

Some Of the Most Competitive Programs

- University of Michigan
- University of Alabama
- UCLA Medical Center
- UCSF
- Stanford University
- University of Colorado
- Yale-New Haven Medical Center
- University of Chicago
- McGaw Medical Center - Northwestern
- Johns Hopkins University
- Beth Israel Deaconess Medical Center
- Brigham and Women's
- Massachusetts General Hospital
- Washington University - St Louis
- New York Presbyterian - Columbia
- Duke University
- Cleveland Clinic
- Oregon Health & Science University
- University of Pennsylvania
- Vanderbilt
- University of Utah
- University of Washington – Seattle
- University of Wisconsin
- Medical College of Wisconsin

Some Competitive Programs

- University of Arizona
- University of California - Davis
- University of California – Irvine
- Loma Linda University
- Cedars-Sinai Medical Center
- University
- Advocate Illinois Masonic Medical Center of Illinois at Chicago
- Rush University Medical Center
- Henry Ford Hospital
- University of New Mexico

Examples of Good Back-up Programs

- DMC – Wayne State
- University of Toledo - College of Medicine
- Allegheny General Hospital - Western Pennsylvania Hospital
- William Beaumont Hospital

Survey of Residents and Interns - 2013 and M4s - 2014

- 62 respondents
- Average number of programs applied to
 - 19.5 M4s - 19
 - Includes outliers of 64 and 70?
 - Most in 10 – 20 range
- No. of interviews scheduled
 - 12.8 M4s - 11
- No. of interviews attended
 - 9.9 M4s - 9
- No. at which “Interview fatigue” set in
 - 7.2 M4s – 6

“Applicants are invited to interview based upon the review of the following factors”

- Medical School – LCME & AOA preferred
- Medical School Academic Performance
- USMLE Part 1 & 2 (if completed). We have established a minimum score of >200 on any attempt of these exams.
- Letters of references – three (3)
- Dean's Evaluation Letter - MSPE
- Personal Statement
- Previous Residency Experience, if applicable

<http://anes.med.umich.edu/main/programs/residency/selection.html>

U of M USMLE Scores Students who Entered Anesthesiology 2009 - 2013

- Step 1
 - 25% - 220
 - Mean - 235
 - 75% - 245
 - Range 199 - 266
- Step 2
 - 25% - 234
 - Mean - 244
 - 75% - 256
 - Range 200 - 274

STEP 1 SCORES FOR RESIDENCY MATCH IN 2009 - 2011

U.S Seniors

Specialty	Matched 2009	Matched 2011	Unmatched 2009	Unmatched 2011
Anesthesiology	224	226	206	203

Average USMLE Scores

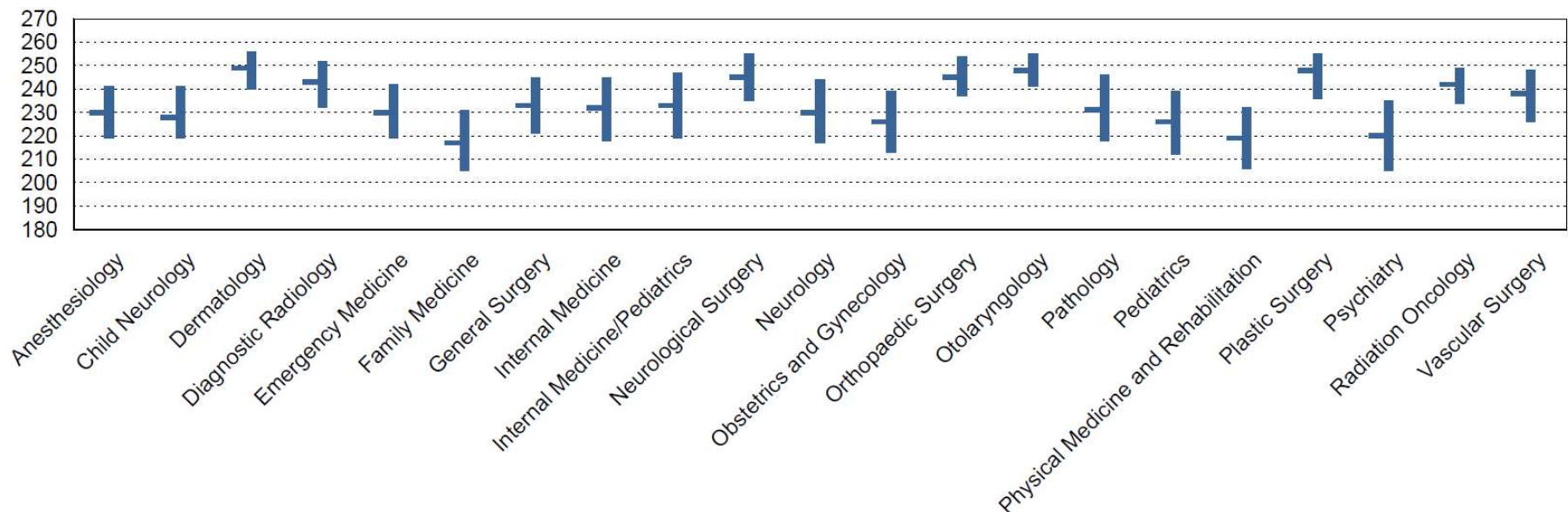
Specialty	Matched 2011
Plastic Surgery	249
Dermatology	244
Otolaryngology	243
Radiation Oncology	240
Orthopaedic Surgery	240
Neurosurgery	239
Internal Med/Peds	230
Gen Surgery	227
Anesthesiology	226
Internal Med	226
Pathology	226
Neurology	225
Emergency Med	223
Pediatrics	221
Obstetrics & Gynecology	220
Physical Med & Rehab	214
Psychiatry	214
Family Med	213

NMRP 2014

**Chart
6**

**USMLE Step 1 Scores of Matched Applicants
by Preferred Specialty and Applicant Type**

U.S. Seniors

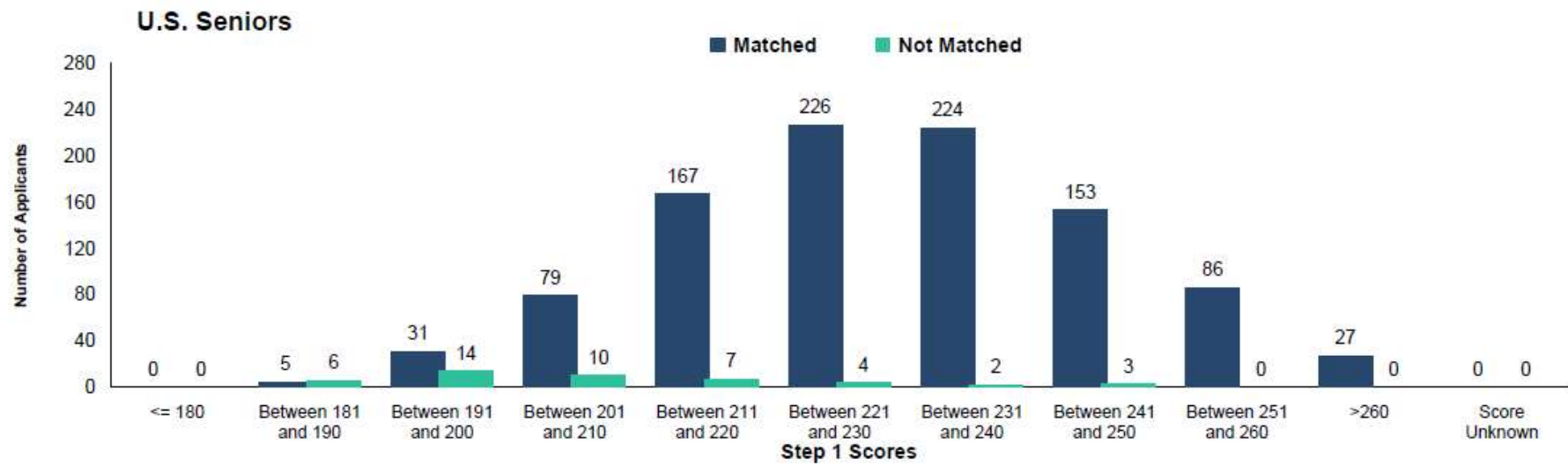


Source: NRMP Data Warehouse

NMRP 2014

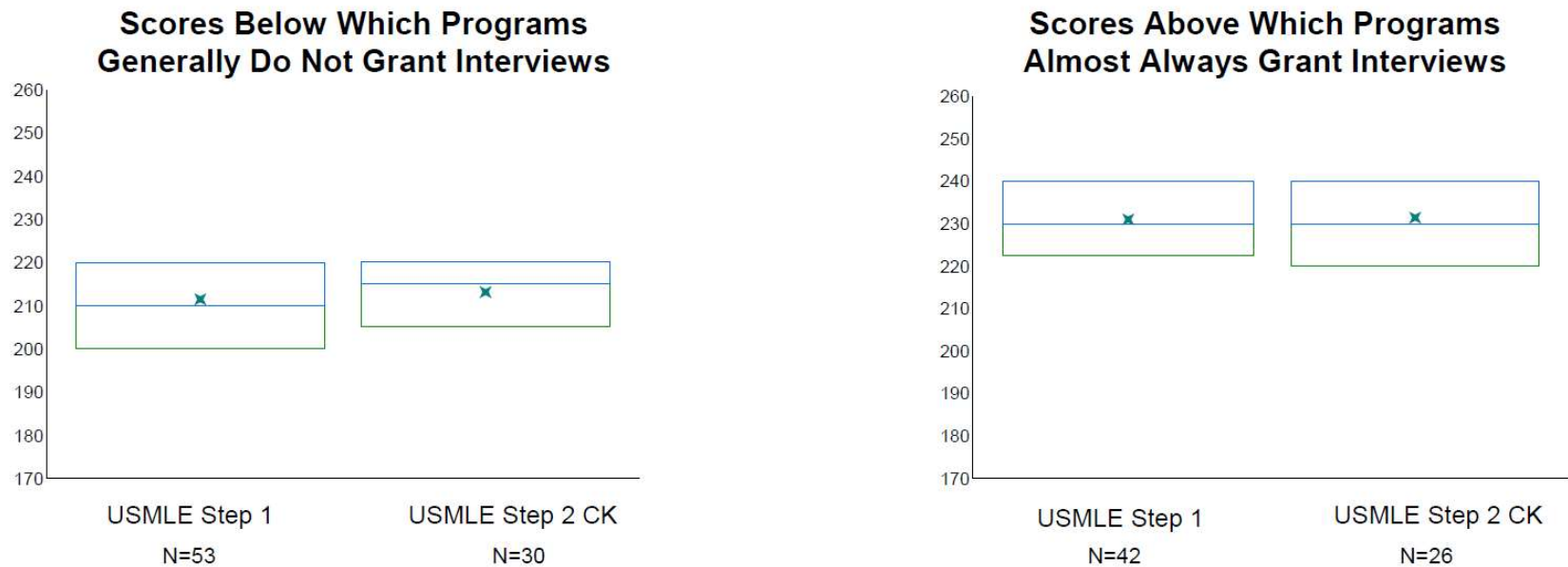
**Chart
AN-3**

USMLE Step 1 Scores *Anesthesiology*



Program Directors Survey 2014

Average USMLE Step 1 and Step 2 CK Scores Programs Consider When Granting Interviews



The boxes in the boxplots above represent the interquartile range (or IQR, which is the range between the 25th and 75th percentiles) and the line in the box is the median. The x-shaped symbol is the mean.

USMLE Step 2

- Take it early if you have a poor step 1 result
- You don't have to report it if it is less than you wish
- Some programs will not interview without a Step 2

U of M 2015 Match

Categorical program: 245 students interviewed, 202 ranked, 26 matched

Match: Categorical: 26 positions filled. Average USMLE Part 1 score: 239

Match: Physician: 6 positions filled. Average USMLE Part 1 score: 231

The Match 2015

- Anesthesiology programs offered 1600 positions PGY1 and PGY2
 - (1,1594 in 2014)
- 28 unfilled PGY1 positions
- 37 unfilled PGY2 positions
- 1.6% of US grads who only ranked anesthesiology programs did not match

Match 2015

Table 1 Match Summary, 2015

Specialty	No. of Programs	Positions Offered	Unfilled Programs	No. of Applicants*		No. of Matches*		% Filled		Ranked Positions	
				U.S.	Total	U.S.	Total	U.S.	Total	U.S.	Total
				Seniors	Total	Seniors	Total	Seniors	Total	Seniors	Total
<u>PGY- 1 Positions</u>											
Anesthesiology	120	1,094	11	1,192	1,859	799	1,066	73.0	97.4	10,782	13,790

Table 1 Match Summary, 2015 (Continued)

Specialty	No. of Programs	Positions Offered	Unfilled Programs	No. of Applicants*		No. of Matches*		% Filled		Ranked Positions	
				U.S.		U.S.		U.S.		U.S.	
				Seniors	Total	Seniors	Total	Seniors	Total	Seniors	Total
<u>PGY- 2 Positions</u>											
Anesthesiology	78	506	14	1,017	1,581	315	469	62.3	92.7	5,928	7,976

Table 2 Matches by Specialty and Applicant Type, 2015

Specialty	Number of Positions	Number Filled	U.S. Senior	U.S. Grad	Osteo	Canadian	5th Pathway	U.S. IMG	Non-U.S. IMG	Number Unfilled
<u>PGY- 1 Positions</u>										
Anesthesiology	1,094	1,066	799	19	137	1	0	58	52	28

Table 2 Matches by Specialty and Applicant Type, 2015 (Continued)

Specialty	Number of Positions	Number Filled	U.S. Senior	U.S. Grad	Osteo	Canadian	5th Pathway	U.S. IMG	Non-U.S. IMG	Number Unfilled
<u>PGY- 2 Positions</u>										
Anesthesiology	506	469	315	29	53	1	0	32	39	37

Last 5 Year's Match

Positions Offered in the Matching Program, 2011 - 2015

Specialty	2015		2014		2013		2012		2011	
	No.	%	No.	%	No.	%	No.	%	No.	%
<u>PGY-1 Positions</u>										
▲ Anesthesiology	1,094	4.0	1,049	3.9	1,000	3.8	919	3.8	841	3.6

Positions Offered in the Matching Program, 2011 - 2015 (Continued)

Specialty	2015		2014		2013		2012		2011	
	No.	%	No.	%	No.	%	No.	%	No.	%
<u>PGY-2 Positions</u>										
▼ Anesthesiology	506	18.8	515	18.9	580	20.9	557	20.3	563	20.6

Table 10**U.S. Seniors Matched to PGY-1 Positions by Specialty, 2011 - 2015**

Specialty	2015		2014		2013		2012		2011	
	No.	%	No.	%	No.	%	No.	%	No.	%
▲ Anesthesiology	799	4.7	754	4.6	748	4.6	725	4.6	671	4.3

Table 14 Match Results for U.S. Seniors and Independent Applicants
Who Ranked Each Specialty as Their Only Choice, 2015

Specialty	Matched		Unmatched		Total		% of All Matched Applicants		Percent Unmatched	
	U.S.	IA	U.S.	IA	U.S.	IA	U.S.	IA	U.S.	IA
Anesthesiology	822	296	13	115	835	411	5.9	4.6	1.6	28.0

All Specialties

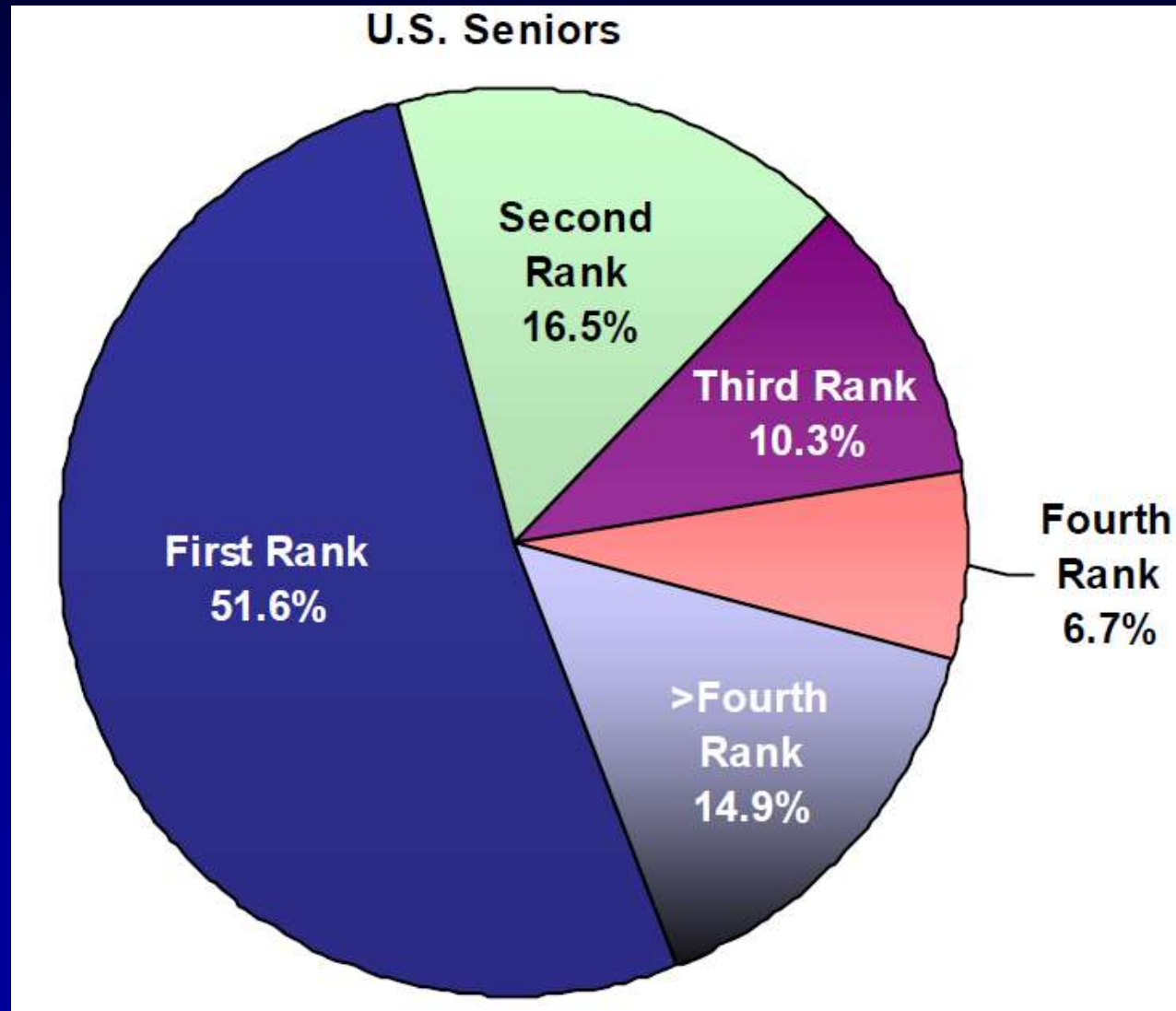
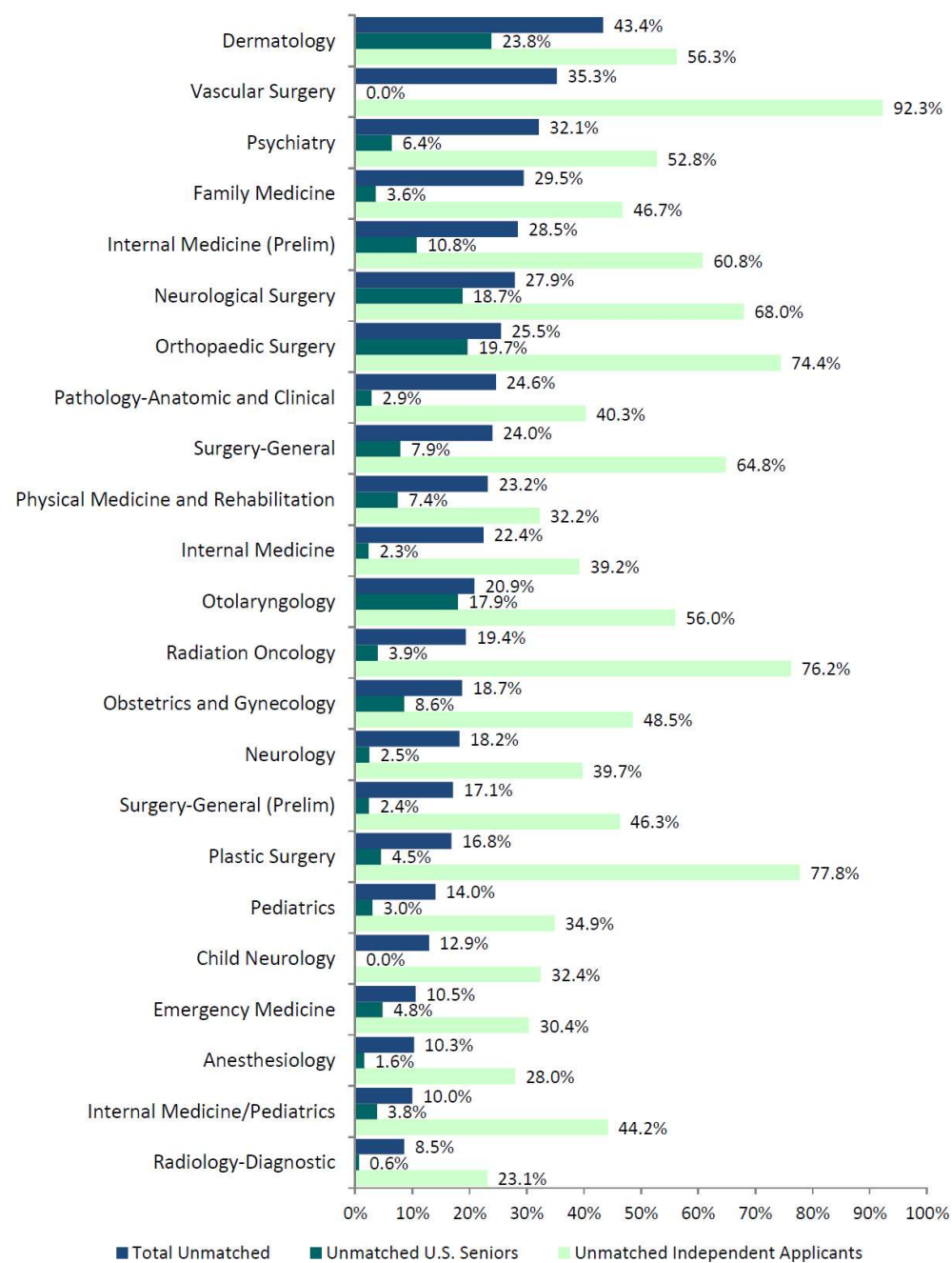
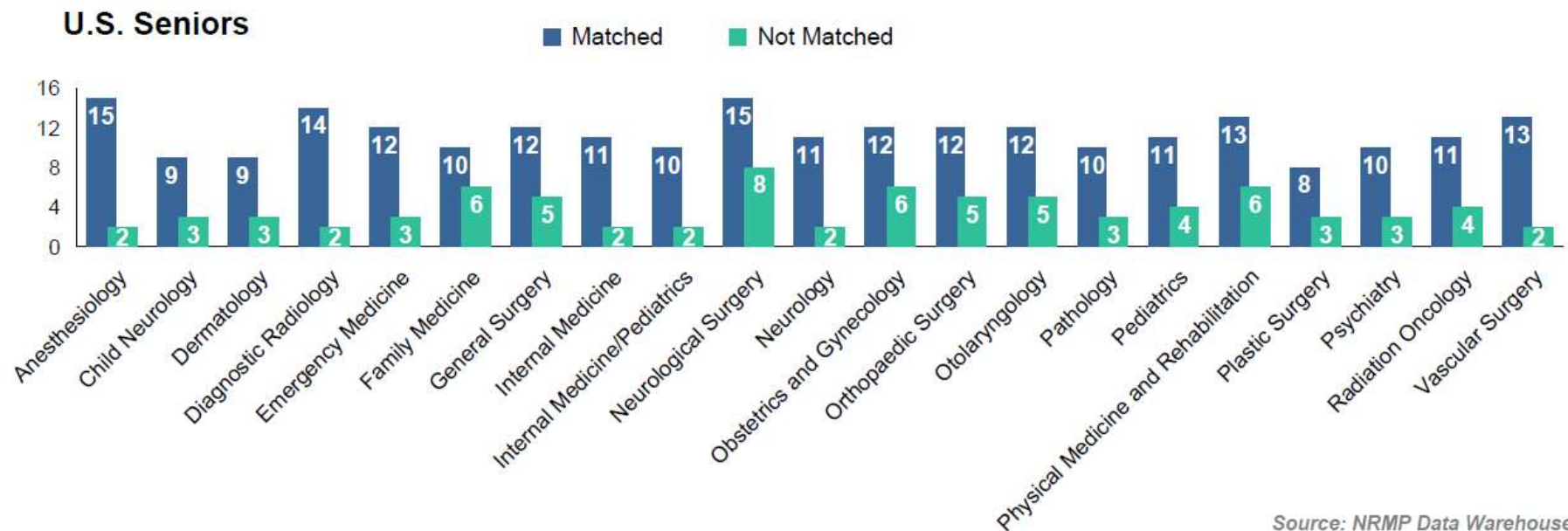


Figure 6 Percentages of Unmatched U.S. Seniors and Independent Applicants Who Ranked Each Specialty as Their Only Choice, 2015

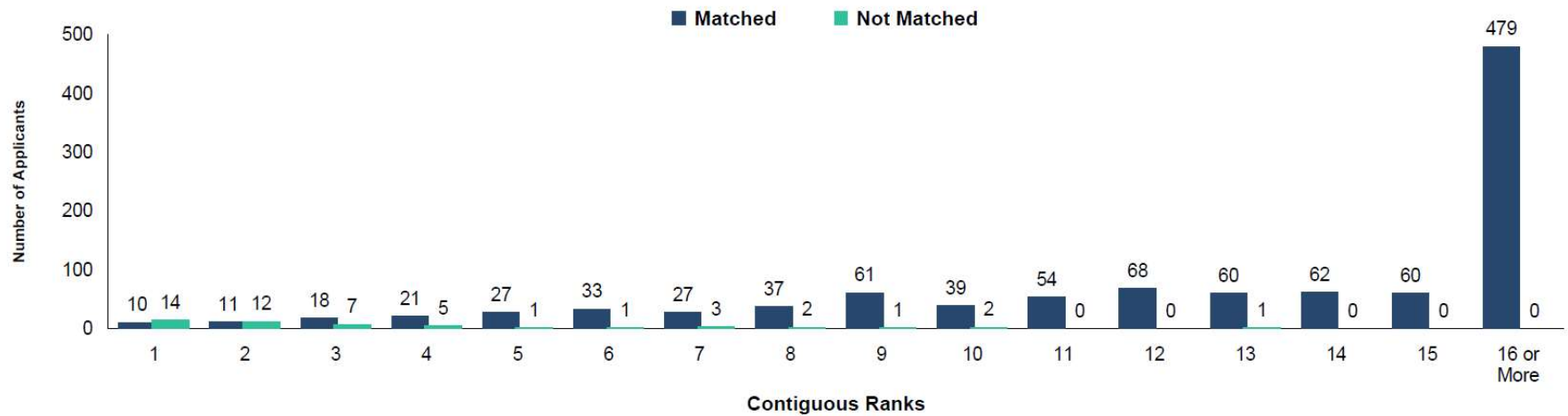


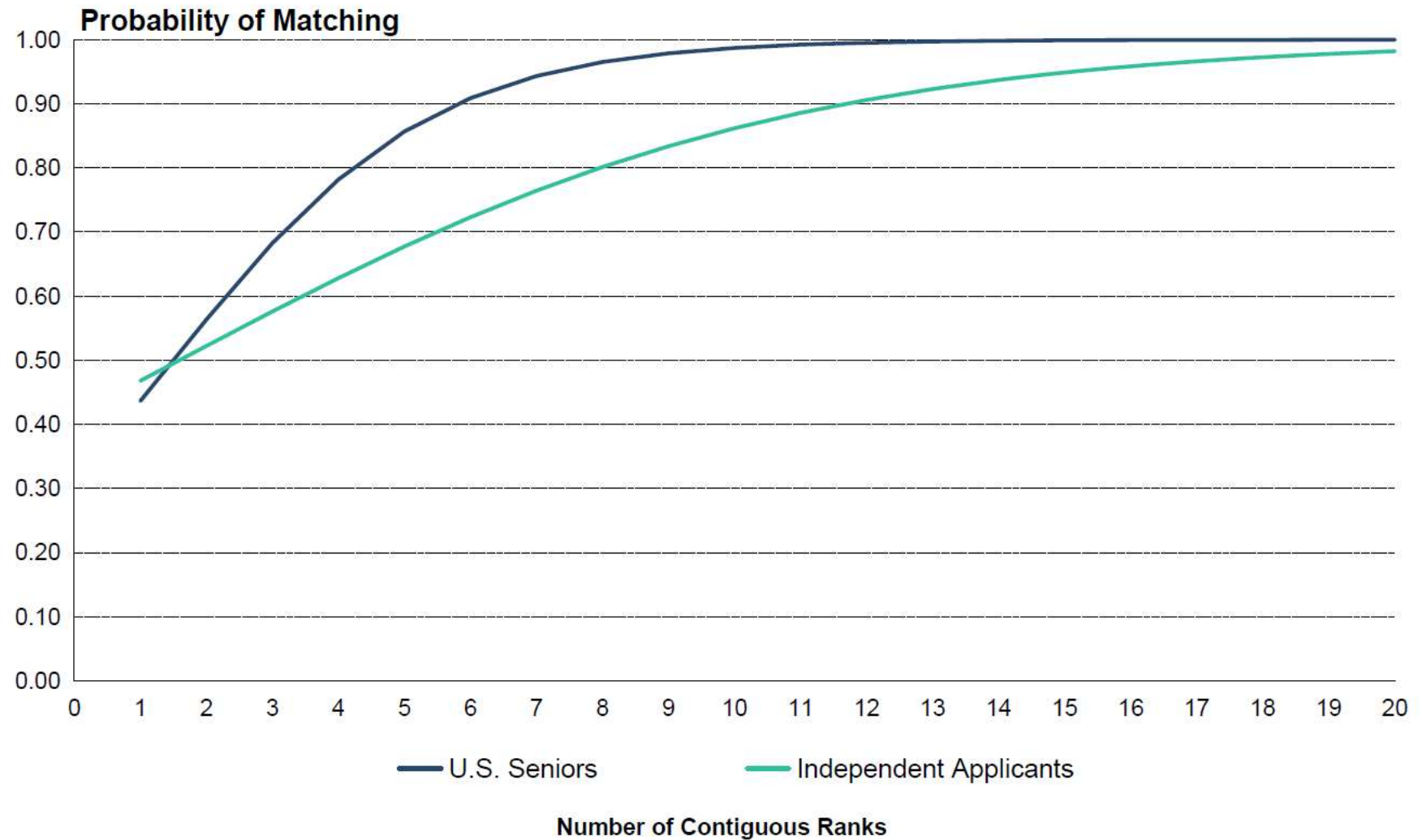
**Chart
4**

**Median Number of Contiguous Ranks
by Preferred Specialty, Applicant Type, and Match Status**



Source: NRMP Data Warehouse

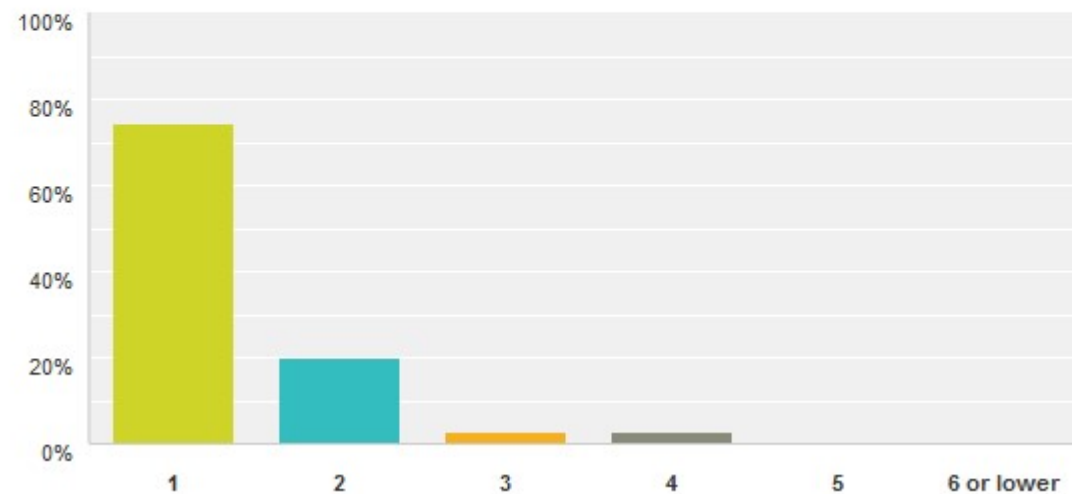
**Chart
AN-1****Number of Contiguous Ranks Within Preferred Specialty**
*Anesthesiology***U.S. Seniors**

**Graph
AN-1****Probability of Matching to Preferred Specialty by Number of Contiguous Ranks**
Anesthesiology

Michigan Anesthesiology Residents

What was your rank of the program you matched to?

Answered: 35 Skipped: 1



October- January Interviews

- May be most important part of process
- Program Director/Faculty are thinking...
 - Is this someone I think is going to work hard and be a team player?
- Residents are thinking...
 - Is this somewhere I can live, eat, sleep and breathe 80 hours/week
 - Still need to act professionally
 - Resident lunches are touted as time to “get the dirt” – but remember you are still being interviewed
 - At many programs, residents have a say in your ranking

Interviews

- Timing of interview doesn't matter
- May want to have some “practice” interviews before go someplace high on your list

Interviewing – Do's

- Read about the program, know what you like about it
- Have questions ready, don't run out
- Professional Appearance
- Good Handshake
- Be attentive, polite, appreciative
- Sell yourself
- If you have specific reason for wanting that program (geography, couple, etc) make sure you let them know
- Send thank you notes/emails

Interviewing – Don'ts

- Be late
- Be rude – to ANYone
- Ask Program Director about “quality of life” issues, eg. Call, time off, etc (save for residents)
- Talk about other programs

Interviewing

– What You'll Be Asked

- NOT clinical stuff
- Explain discrepancies
- Why this program/area
- How you'd handle difficult peer situation
- Personal strengths/weaknesses
- Hobbies/interests
- Career Goals

End of Season Wrap Up

- Some programs do NOT send out thank you or followup letters to applicants
- OK to send ANOTHER letter/email to programs very interested in, especially if interviewed early
- Some Program Directors will not respond to your emails

Other Questions

- Info on West Coast programs?
 - studentdoctor.net
 - Harder to get an interview in Cal. If not there
- Pick programs based on fellowship?
 - Pick academic programs
 - Look at their fellowship offerings
 - Own residents are favored for fellowships

Boot Camp

- One month at end of internship
- Intense teaching
- One on one supervision in the OR
- Not universal
- Big feature of the program at U of M

Can I Work Part Time?

- Great specialty to work less than full time
- Ramp down for family reasons
- Ramp down towards retirement
- Acceptable in Academic centers
- Private practice
 - You get paid for the work you do
 - Can take all the extra call or work less days

What is the Typical Work Week for an Attending?

- Academic vs private practice?
- ICU vs pain clinic vs ORs?
- Ambulatory center vs tertiary care hospital?
- Research vs teaching vs admin?

U of M Graduates 2012-2015

Private Practice

• Alpena, MI	1	• Muskegon, MI	1
• Ann Arbor	5	• Mt. Pleasant, MI	1
• Battle Creek	1	• New Port Richey, FL	1
• Birmingham, AL	1	• Oregon	1
• Chicago, IL	1	• Phoenix, AZ	2
• Cincinnati, OH	1	• Salt Lake City, UT	1
• Dallas, TX	1	• San Jose, CA	1
• Des Moines, IA	2	• San Ramon, CA	1
• Elyria, OH	1	• Toledo, OH	1
• Indianapolis, IN	2	• Tucson, AZ	1
• Ishpeming, MI	1	• Williamsburg, VA	1
• Jonesboro, AR	1	• Washington	1
• Louisville, KY	1		
• Meadville, PA	1		

U of M Graduates 2012-2015

Fellowships

• <u>Cardiac</u>		• <u>Interventional Pain Medicine</u>	
• University of Michigan	14	• Houston, TX	1
• Cleveland Clinic	1	• <u>Pediatric Anesthesia</u>	
• Texas Heart - Houston	1	• University of Michigan	15
• <u>Critical Care</u>		• Children's H Philadelphia	1
• University of Michigan	12	• <u>Regional</u>	
• Columbia University	1	• University of Michigan	2
• <u>Liver/Vascular</u>		• University of Pittsburgh	1
• University of Michigan	1	• Oregon Health Science U	1
• <u>Neuroanesthesia</u>		• Virginia Mason, Seattle, WA	1
• University of Michigan	1	• <u>Head and Neck</u>	
• <u>Pain Medicine</u>		• University of Michigan	1
• University of Michigan	18	• <u>Academics</u>	
• Johns Hopkins	3	• Yale, New Haven, CT	1
• UCLA	1	• Henry Ford Hospital, Detroit, MI	1
• Minnesota	1		