APDR Roundtable
ERAS Updates and Match Data

August 17, 2023
Outline

• 2023 ERAS and Match – DR and IR/DR
• ERAS Updates
Applicant Pool – Diagnostic Radiology

- Compared to 2022:
  - **USG's** → 6.9% increase
  - **IMG's** → 11.5% increase
  - **Total** → 7.9% increase

*Data as of February 23, 2023*
Applications per Applicant – Diagnostic Radiology

- Compared to 2022:
  - USG’s → 18.7% increase
  - IMG’s → 2% increase

*data as of February 23, 2023
Applications per Program – Diagnostic Radiology

- Compared to 2022:
  - USG’s → 25.6% increase
  - IMG’s → 12.6% increase
  - Total → 22.5% increase

*data as of February 23, 2023
Applicant Pool – IR/DR

*data as of February 23, 2023

- Compared to 2022:
  - USG’s → 7.2% increase
  - IMG’s → 13.5% increase
  - Total → 8.8% increase

↑ 34.5%  
↑ 8.8%  
444
Applications per Applicant – IR/DR

- Compared to 2022:
  - USG’s → 7.7% decrease
  - IMG’s → 7.9% increase

*data as of February 23, 2023
Applications per Program – IR/DR

- Compared to 2022:
  - USG’s → 2.2% decrease
  - IMG’s → 18% increase
  - Total → 1.3% increase

*Data as of February 23, 2023

*data as of February 23, 2023
Unfilled Positions in the Match

*includes PGY-1 & PGY-2 positions
Summary

• **Currently, radiology is very competitive** (high applicant numbers, very few unmatched positions).

• Of course, competitiveness (which is related to the # of applicants) is unknown pre-Match so applicants apply to a **large numbers of programs**

• **Programs receiving large numbers of applications** ➔ More difficult to perform holistic review.
ERAS Application Updates and Supplemental Application Data
Intentional and iterative integration with ERAS

**ERAS 2022**
- 3 specialties
- 719 programs
- 29K applicants
- Separate from MyERAS and the PDWS
- 88% Submissions

**ERAS 2023**
- 16 specialties
- 2,800+ programs
- 39,789 Eligible Applicants
- Separate from MyERAS
- Initial integration with the PDWS
- 93.3% Submissions

**ERAS 2024**
- Open to all specialties
- Fully integrated with MyERAS
- Fully integrated with the PDWS
Goals for Updating the MyERAS Application

Update questions on the ERAS application to reflect current context

Help applicants share more information about themselves and their medical education journey

Drive mission-aligned holistic review by providing better information about applicants’:
- Experiences
- Geographic information
- Interest via program signals
Changes in MyERAS for the 2024 Cycle

Residency Applicants
- Updated Experiences
- New Geographic Info
- Program Signals for select specialties

Fellowship Applicants
- Updated Experiences
- New Geographic Info

*Program signals for participating specialties and programs only.
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New Experiences – MyERAS 2024

56% of applicants answered this in 2023 (year 2 pilot)

All Applicants

Selected Experiences (up to 10)
- Provide descriptive information
- As applicable, select experience type, primary focus area, and key characteristic
- Briefly describe activities, responsibilities, and context

If Applicable

Meaningful Experiences (up to 3)
- From selected experiences, identify up to 3 meaningful.
- Write short essay reflecting on experience and explain why it was meaningful and how it influenced you

Impactful Experience
- This question is intended for applicants who have overcome major challenges or obstacles.
  - Family background
  - Financial background
  - Community setting
  - Educational experiences
  - Other general life circumstances

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Geographic Preferences: Overview

Goals for Geographic Preferences Section:

- Provide a process for sharing geographic preferences that enhances accuracy and fairness
- Communicate the importance of geography for an applicant
- Provide an opportunity to share preferences for regions and location setting
Geographic Preferences & Updates to MyERAS 2024

All Applicants

- Geographic Preference Divisions (up to 3)
  - Select up to three geographic divisions, using US census divisions OR indicate no preference
  - Short description to provide explanation for each
- Setting Preference
  - Indicate a degree of preference from urban to rural setting OR indicate no preference
  - Short description to provide explanation
  - Urban, urban/suburban, suburban, suburban/rural, rural
- Location Standardization
  - Standard Collection of all location information:
    - Country
    - State
    - City
    - Postal Code
    - Setting

Applies to:
- Addresses
- Hometown(s)
- Experiences
- Education
- Training
Geo Preferences will contain Division and Setting subsections along with a map detailing the various US divisions.
<table>
<thead>
<tr>
<th>Applicant indicates:</th>
<th>Program sees:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Preference for a program’s division</td>
<td>Applicant division preference and, if provided, a short explanation of why they prefer that division</td>
</tr>
<tr>
<td>No division preference</td>
<td>“No preference” and a short explanation, if provided</td>
</tr>
<tr>
<td>A preference for another division</td>
<td>No information displayed</td>
</tr>
<tr>
<td>Skipped the section</td>
<td>No information displayed</td>
</tr>
</tbody>
</table>
# What is Shared with Programs?

## Geographic Preference

<table>
<thead>
<tr>
<th>Applicant indicates:</th>
<th>Program sees:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Preference for a program’s division</td>
<td>Applicant division preference and, if provided, a short explanation of why they prefer that division</td>
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<tr>
<td>No division preference</td>
<td>“No preference” and a short explanation, if provided</td>
</tr>
<tr>
<td>A preference for another division</td>
<td>No information displayed</td>
</tr>
<tr>
<td>Skipped the section</td>
<td>No information displayed</td>
</tr>
</tbody>
</table>

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**For setting preferences:**

- If you indicate a preference or lack of preference for setting, your preference (or lack of preference) and corresponding explanation will be shared with *all programs to which you apply*.
- If you do not respond to or skip the question, no setting preference information will be shared with any programs.
Geographic Preferences – Program Director Reactions

### Geographic Preferences

Table D.13. Did you use geographic preference information during the application review process?

<table>
<thead>
<tr>
<th>Specialty</th>
<th>Yes</th>
<th>No</th>
<th>Total number</th>
</tr>
</thead>
<tbody>
<tr>
<td>Diagnostic Radiology and Interventional Radiology</td>
<td>92% (70)</td>
<td>8% (6)</td>
<td>76</td>
</tr>
</tbody>
</table>

### Table D.14. For Diagnostic Radiology and Interventional Radiology: Responses to Geographic Preferences Questions

<table>
<thead>
<tr>
<th>N</th>
<th>Strongly Disagreed % (n)</th>
<th>Disagreed % (n)</th>
<th>Neither Agreed nor Disagreed % (n)</th>
<th>Agreed % (n)</th>
<th>Strongly Agreed % (n)</th>
<th>Agreed or Strongly Agreed % (n)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Geographic preference information helped me identify applicants whom I would have otherwise overlooked.</td>
<td>68</td>
<td>4% (3)</td>
<td>10% (7)</td>
<td>18% (12)</td>
<td>38% (26)</td>
<td>29% (20)</td>
</tr>
</tbody>
</table>

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### Geographic Preferences – Annual APDR Survey

How important is the choice of the geographic region in your decision to grant an interview?

<table>
<thead>
<tr>
<th>Importance</th>
<th>Percentage</th>
</tr>
</thead>
<tbody>
<tr>
<td>Very important</td>
<td>22%</td>
</tr>
<tr>
<td>Somewhat important</td>
<td>51%</td>
</tr>
<tr>
<td>Neutral</td>
<td>20%</td>
</tr>
<tr>
<td>Not that important</td>
<td>7%</td>
</tr>
<tr>
<td>Not at all important</td>
<td>0%</td>
</tr>
</tbody>
</table>
Geographic Preferences – Annual APDR Survey

If an applicant designated a geographic preference that coincided with your program’s location, how did this change the likelihood that your program would offer this candidate an interview?

- Greatly increased: 19%
- Slightly increased: 57%
- No effect: 23%
- Decreased: 0%
- Other (please specify): 0%
Interview Rates by Geographic Preference

Diagnostic Radiology

- Geo Pref Aligned: 20%
- No Geo Pref: 7%
- Geo Pref Not Aligned: 5%

IR/DR

- Geo Pref Aligned: 32%
- No Geo Pref: 16%
- Geo Pref Not Aligned: 16%
What is a program signal?

Program signals offer applicants the opportunity to express interest in a residency program at the time of application.

Program signals are intended to be used by programs as one of many data points in deciding whom to invite to interview.
# Program Signals - MyERAS 2024

<table>
<thead>
<tr>
<th>Participating Specialties</th>
<th>Number of Program Signals</th>
</tr>
</thead>
<tbody>
<tr>
<td>Anesthesiology</td>
<td>5 (gold), 10 (silver)</td>
</tr>
<tr>
<td>Child Neurology &amp; Neurodevelopmental Disabilities</td>
<td>3</td>
</tr>
<tr>
<td>Dermatology</td>
<td>3 (gold), 25 (silver)</td>
</tr>
<tr>
<td><strong>Diagnostic Radiology and Interventional Radiology</strong></td>
<td><strong>6 (gold), 5 (silver)</strong></td>
</tr>
<tr>
<td>Emergency Medicine</td>
<td>7</td>
</tr>
<tr>
<td>Family Medicine</td>
<td>5</td>
</tr>
<tr>
<td>General Surgery</td>
<td>5</td>
</tr>
<tr>
<td>Internal Medicine</td>
<td>7</td>
</tr>
<tr>
<td>Internal Medicine &amp; Psychiatry</td>
<td>2</td>
</tr>
<tr>
<td>Neurological Surgery</td>
<td>25</td>
</tr>
<tr>
<td>Neurology</td>
<td>3</td>
</tr>
<tr>
<td>Obstetrics and Gynecology</td>
<td>3 (gold), 15 (silver)</td>
</tr>
<tr>
<td>Orthopaedic Surgery</td>
<td>30</td>
</tr>
<tr>
<td>Otolaryngology</td>
<td>25</td>
</tr>
<tr>
<td>Pathology</td>
<td>5</td>
</tr>
<tr>
<td>Pediatrics</td>
<td>5</td>
</tr>
<tr>
<td>Physical Medicine and Rehabilitation</td>
<td>5</td>
</tr>
<tr>
<td>Public Health and General Preventive Medicine</td>
<td>3</td>
</tr>
<tr>
<td>Psychiatry</td>
<td>5</td>
</tr>
<tr>
<td>Thoracic Surgery</td>
<td>3</td>
</tr>
</tbody>
</table>

**Home/Away Signaling Guidance (Applies to ALL Specialties)**

AAMC guidance is to signal any program the applicant is interested in (including the applicant's home program or away rotation sites).
### How will Program Signals be shared with programs?

<table>
<thead>
<tr>
<th>Applicant signaled:</th>
<th>Program X sees:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Preference for Program X (single tier)</td>
<td>A “Signaled Program” badge</td>
</tr>
<tr>
<td>Preference for Program X (two-tier)</td>
<td>Either a “Signaled Gold’ or a “Signaled Silver” badge</td>
</tr>
<tr>
<td>A different program</td>
<td>No information will be displayed</td>
</tr>
<tr>
<td>Skipped the Program Signaling section</td>
<td>No information will be displayed</td>
</tr>
</tbody>
</table>

*Applicants cannot send a gold and a silver signal to the same program, so programs in specialties participating in tiered program signaling will only receive either a gold or a silver signal from any one applicant.*
### Table 2. Program Participation Rate, by Specialty, 2022-2023

<table>
<thead>
<tr>
<th>Specialty</th>
<th>Programs Participating in Program Signaling</th>
<th>Number of Programs Participating in ERAS&lt;sup&gt;1&lt;/sup&gt;</th>
</tr>
</thead>
<tbody>
<tr>
<td>Diagnostic Radiology</td>
<td>98%</td>
<td>186</td>
</tr>
<tr>
<td>Interventional Radiology</td>
<td>95%</td>
<td>86</td>
</tr>
</tbody>
</table>
How Many Signals Did Programs Receive?

Diagnostic Radiology

Mean – 63.4
Range – 5 - 206

IR/DR

Mean – 11.8
Range – 1 - 40
### Preference Signaling – Program Director Reactions

**Program Signals**

Table D.19. Did you use program signals during the application review process?

<table>
<thead>
<tr>
<th>Specialty</th>
<th>Yes % (n)</th>
<th>No % (n)</th>
<th>Total number</th>
</tr>
</thead>
<tbody>
<tr>
<td>Diagnostic Radiology and Interventional Radiology</td>
<td>96% (72)</td>
<td>4% (3)</td>
<td>75</td>
</tr>
</tbody>
</table>

**Table D.21. For Diagnostic Radiology and Interventional Radiology: Responses to Program Signals Questions**

<table>
<thead>
<tr>
<th>N</th>
<th>Strongly Disagreed % (n)</th>
<th>Disagreed % (n)</th>
<th>Neither Agreed nor Disagreed % (n)</th>
<th>Agreed % (n)</th>
<th>Strongly Agreed % (n)</th>
<th>Agreed or Strongly Agreed % (n)</th>
</tr>
</thead>
<tbody>
<tr>
<td>69</td>
<td>0% (0)</td>
<td>3% (2)</td>
<td>12% (8)</td>
<td>36% (25)</td>
<td>49% (34)</td>
<td>86% (59)</td>
</tr>
</tbody>
</table>

Program signals helped me identify applicants whom I would have otherwise overlooked.
Preference Signals – Annual APDR Survey

If you had a signal from an applicant, how did this change the likelihood that your program would offer this applicant an interview?

- Greatly increased: 47%
- Slightly increased: 35%
- No effect: 14%
- Decreased: 0%
- Other (please specify): 0%
Preference Signals– Annual APDR Survey

Please pick the five most influential components of the application: (Check up to to 5).

<table>
<thead>
<tr>
<th>Component</th>
<th>%</th>
<th>#</th>
</tr>
</thead>
<tbody>
<tr>
<td>Presence of signal</td>
<td>57.8%</td>
<td>52</td>
</tr>
<tr>
<td>Core clerkship grades</td>
<td>57.8%</td>
<td>52</td>
</tr>
<tr>
<td>Step 1 scores</td>
<td>55.6%</td>
<td>50</td>
</tr>
<tr>
<td>Step 2 scores</td>
<td>54.4%</td>
<td>49</td>
</tr>
<tr>
<td>Dean’s letter</td>
<td>45.6%</td>
<td>41</td>
</tr>
<tr>
<td>Letters of recommendation</td>
<td>45.6%</td>
<td>41</td>
</tr>
<tr>
<td>Personal statement</td>
<td>40.0%</td>
<td>36</td>
</tr>
<tr>
<td>ERAS application overall</td>
<td>37.8%</td>
<td>34</td>
</tr>
<tr>
<td>Geographic preference</td>
<td>33.3%</td>
<td>30</td>
</tr>
<tr>
<td>Meaningful experience</td>
<td>21.2%</td>
<td>19</td>
</tr>
<tr>
<td>Publications</td>
<td>16.7%</td>
<td>15</td>
</tr>
<tr>
<td>Research experience</td>
<td>11.1%</td>
<td>10</td>
</tr>
<tr>
<td>Volunteer experience</td>
<td>4.4%</td>
<td>4</td>
</tr>
<tr>
<td>Hobbies</td>
<td>4.4%</td>
<td>4</td>
</tr>
</tbody>
</table>

*Multiple selections allowed. Total may exceed 100%. (N=90)
How Did Signaling Affect Interview Offer Rates?

**Diagnostic Radiology**

Median Predicted Interview Invitation Probability by Program Signal
(Program n = 146; Unique applicants n = 2,254)

- Did not Send a Program Signal
- Sent a Program Signal

- Dotted lines represent the 10th percentile and 90th percentile of predicted probabilities across programs.
How Did Signaling Affect Interview Offer Rates?

Interventional Radiology
Median Predicted Interview Invitation Probability by Program Signal
(Program n = 63; Unique applicants n = 397)

- Dotted lines represent the 10th percentile and 90th percentile of predicted probabilities across programs.
Summary

• Radiology is very **competitive**
• Programs receiving **large numbers of applications**
• Changes to ERAS help.
  • Provides **better information about applicants**
  • Allows applicants to **express interest to programs**
• Geographic preferences and signaling have an impact on interview offer rates.
Thank You
and
Good Luck