

# American Alliance of Academic Chief Residents in Radiology • A<sup>3</sup>CR<sup>2</sup>

# 2016 A<sup>3</sup>CR<sup>2</sup> Annual Chief Resident Survey

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American Alliance of Academic Chief Residents in Radiology • A<sup>3</sup>CR<sup>2</sup>





#### Survey Purpose

- Share facts and information about the structure of training programs
- Use information about resident benefits to address discrepancies at individual programs as well as overall trends
- Share opinions about important issues facing residents in training
- Share ideas for how to deal with these important issues

#### Survey Format

1. SURVEY DETAILS

- Confidential online survey (surveymonkey.com)
- Multiple choice questions (single and multiple answer), free text for additional comments

Thank you for taking time to complete the annual survey of diagnostic radiology chief residents sponsored applies to diagnostic radiology chief residents only.** Please complete the survey by Monday, March 16, 2014. The responses to this survey will be compiled at The survey will take about 20 minutes to complete. You cannot save your progress during the survey, so r
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*** For programs with multiple chief residents, we ask that ALL CHIEF RESIDENTS FILL OUT THE SURV responses, such as resident numbers, etc., to make the statistical analysis as accurate as possible, after v
We encourage all diagnostic radiology chief residents to not only complete the survey but also to attend the networking opportunities as well. Many radiology departments will allow time and provide funds for chief re
Learn more and register at www.aur.org - deadlines for registration are approaching, so talk to your progra
A3CR2 info can be found at http://www.aur.org/A3CR2/
Next
Powered by <b>SurveyMonkey</b> Check out our <u>sample surveys</u> and create your

### **Survey Topics**

#### Recurring

- Basic Program Information
- Resident Benefits
- Chief Resident Responsibilities and Benefits
- Moonlighting
- Call
  - Readout, Attending Coverage, Ultrasound
- Core Exam and Fourth Year
  - Board Review, resources
  - Mini-Fellowships
- Fellowships
- Healthcare Economics and the Job Market
- New in 2016
  - Residency program demographics
  - IR/DR pathway

### Limitations

- Opinions and estimations
- Sampling bias (only chief residents who responded were included)
- Duplicate responses from programs with multiple chief residents
  - Average response used for institutional quesions

#### Participation

Region

#### Number of Responses 2010-2016

Year	Individual Responses	Unique Programs
2016	173	104
2015	193	120
2014	212	136
2013	134	99
2012	185	135
2011	259	148
2010	228	140

Approximately 180 programs total.

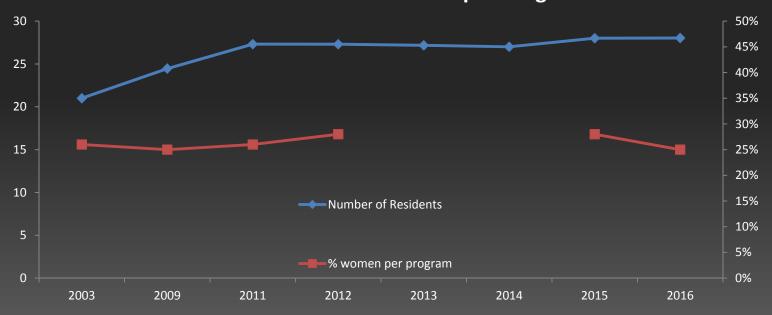
• Results available to A<sup>3</sup>CR<sup>2</sup> members and on the AUR website

THANK YOU FOR PARTICIPATING!

## **PROGRAM DETAILS**

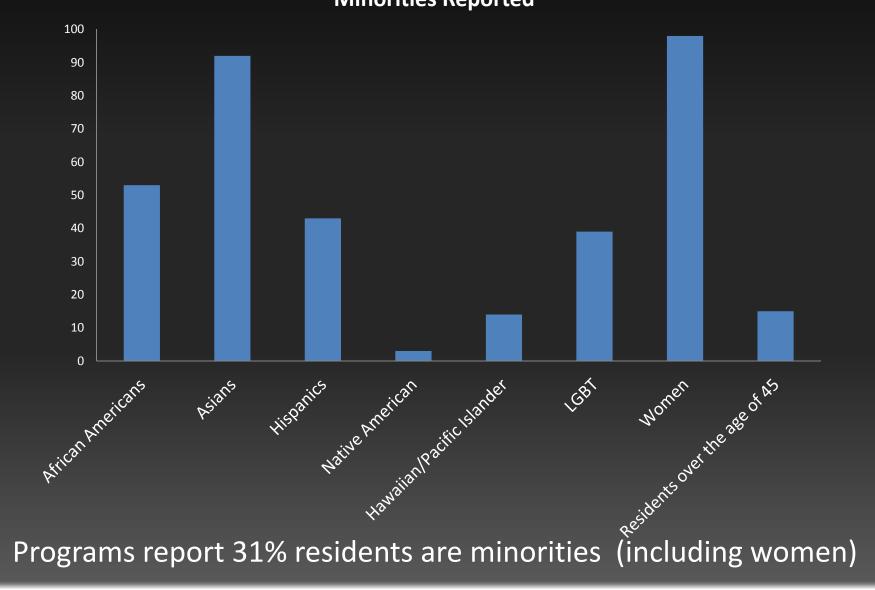
#### **Program Size**

- Program size increased in the early 2000s but has remained relatively stable (mean 28, median 25 per program)
- The percentage of women has remained low at 25% this year (average %/program)
  - Percentage of women in medicine = 46% of all residents per GWIMS



Mean Number of Residents per Program

#### Program Demographics Minorities Reported



Program Demographics Does your program accept D.O.s? FMGs?					
	Yes	Νο			
Doctors of Osteopathy	86%	13%			
Foreign Medical Grads	67%	34%			

## MOONLIGHTING

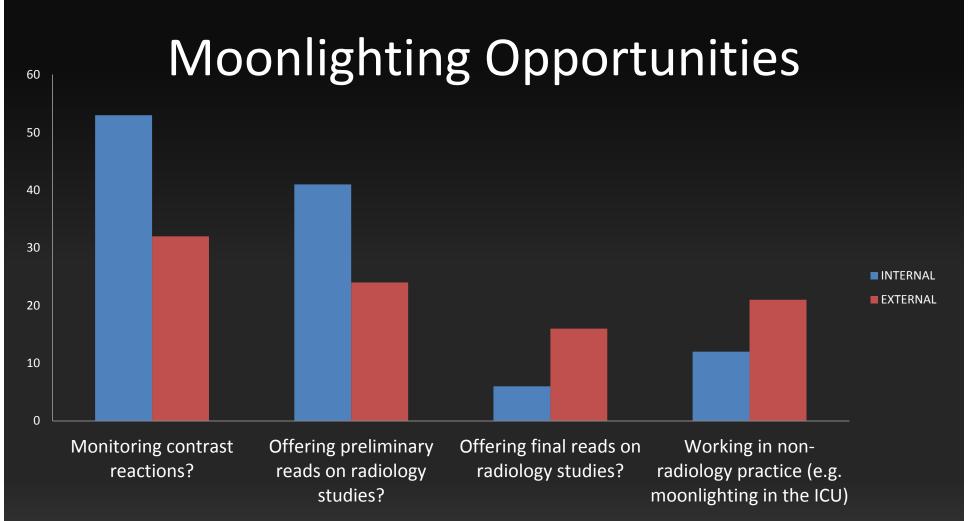
### **Moonlighting Opportunities**

Internal External Any

• Moonlighting remains very prevalent among radiology programs with internal moonlighting being more common than external moonlighting

- Continues to increase over the last few years

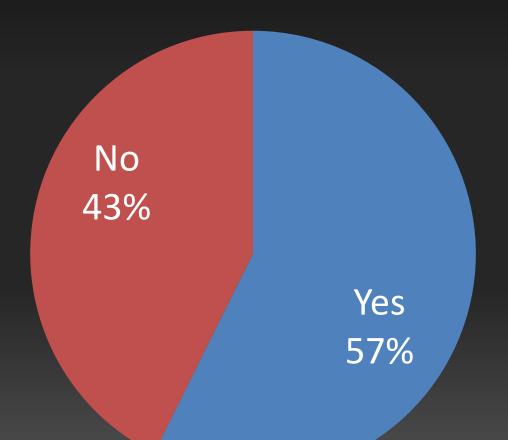
 40% of US medical student applicants considered moonlighting opportunities as a factor in ranking programs (rated 3.6/5 in importance) – per NRMP Applicant Survey



- Both contrast injection monitoring and offering preliminary reads are most common internal and external opportunities
- Non-radiology moonlighting is utilized by only a small fraction of radiology residents

### Moonlighting Opportunities

**Sufficient Moonlighting Opportunities for Residents?** 

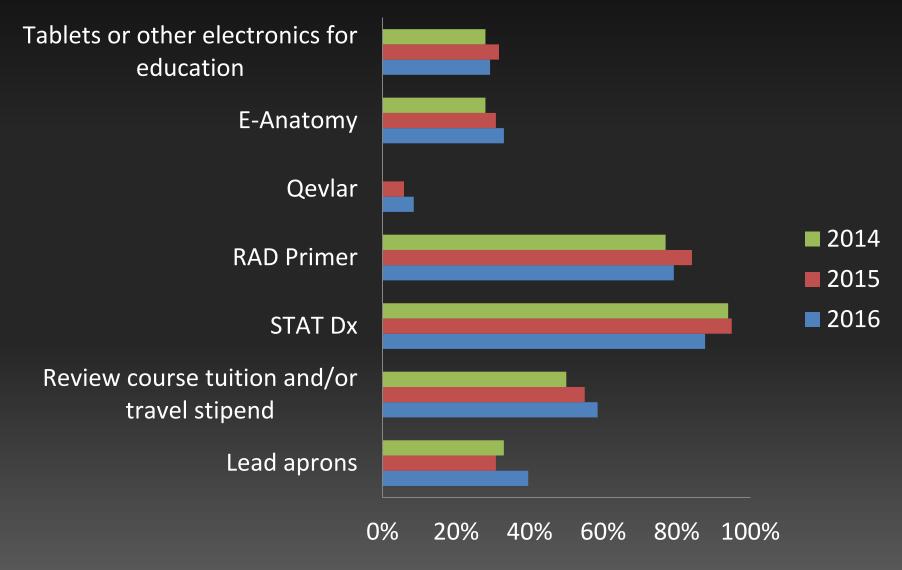


49% programs require permanent license for internal moonlighting

## **RESIDENT BENEFITS**

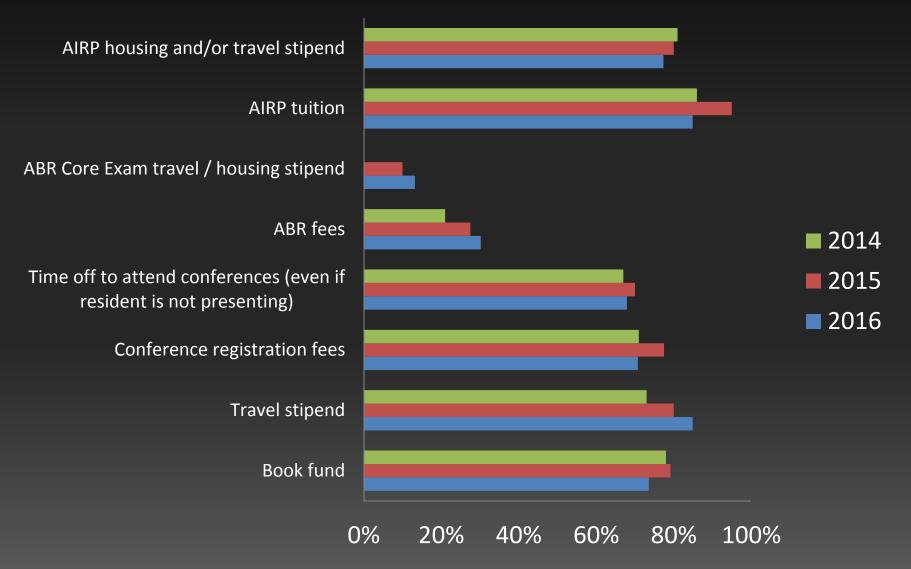
#### **Resident Benefits**

Program Perks (1/2)



#### **Resident Benefits**

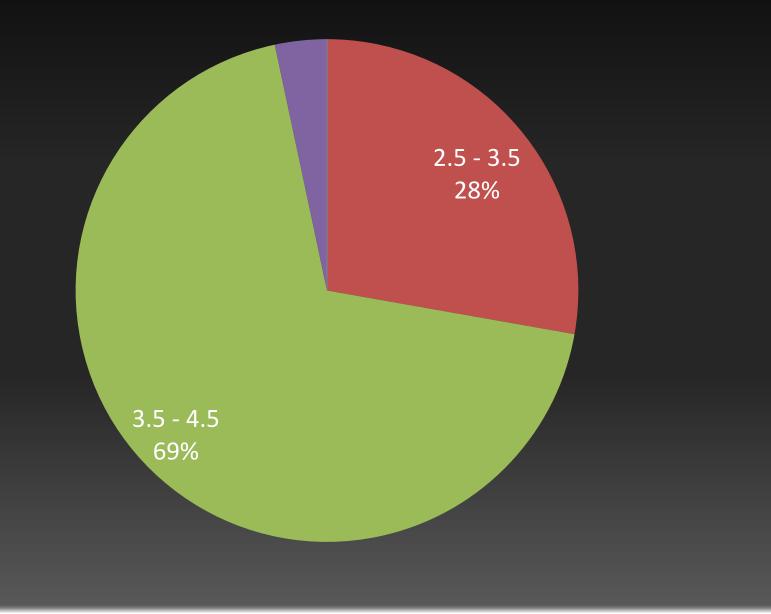
#### Program Perks (2/2)

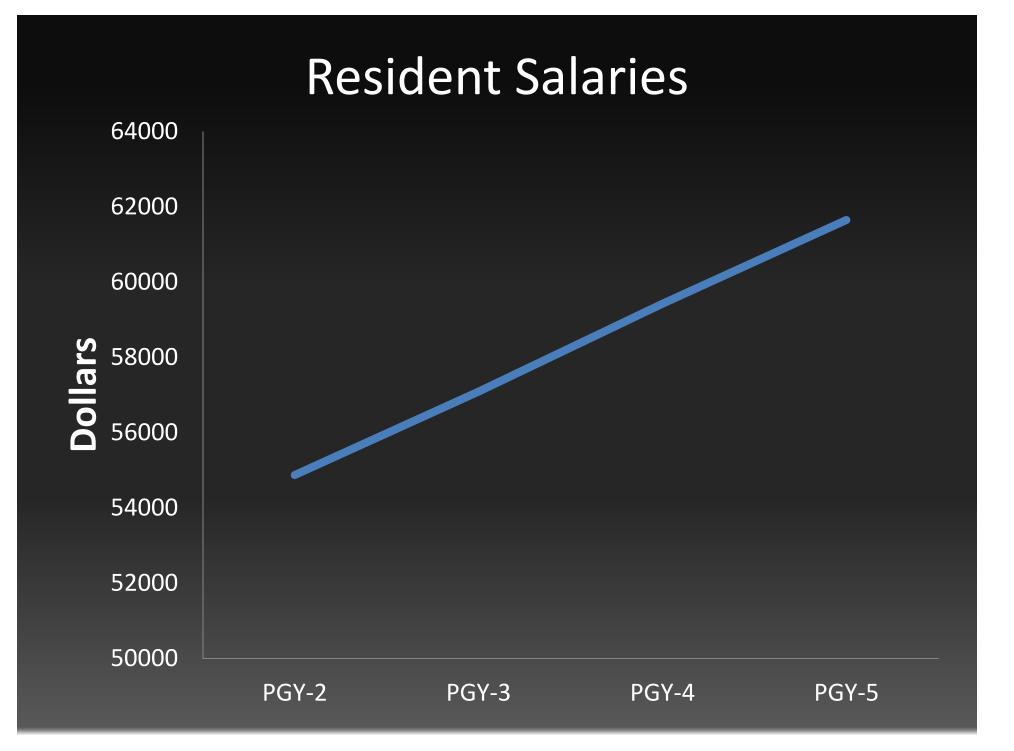


### Resident Benefits cont'd

- AIRP Stipend
  - Mean \$2172
  - 95% of residents attend AIRP
- ABR
  - Program coverage fees uncommon (30%)
  - Many report that book/study fund is expected to encompass these costs
  - Program coverage ABR travel/housing even less common (10%)
- Other benefits mentioned
  - Free lunches
  - Meal stipends for call
  - Academic time

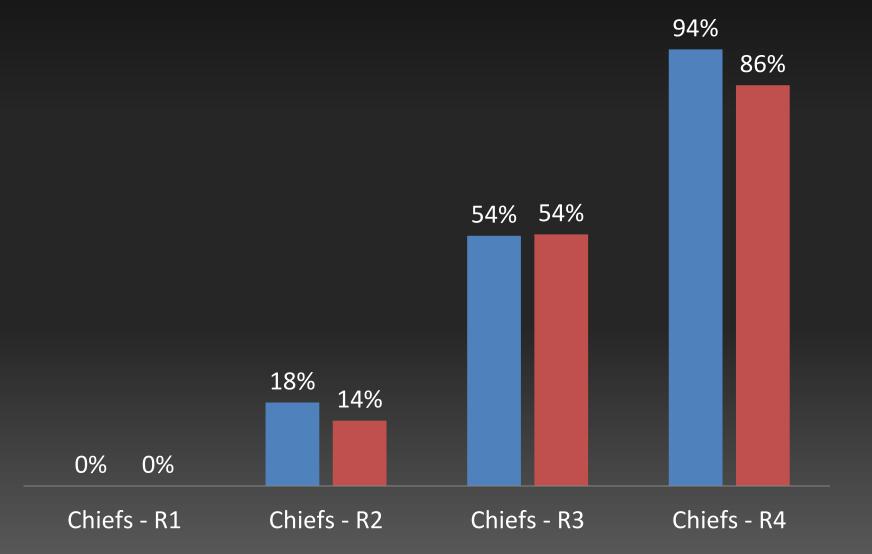
#### Vacation Weeks



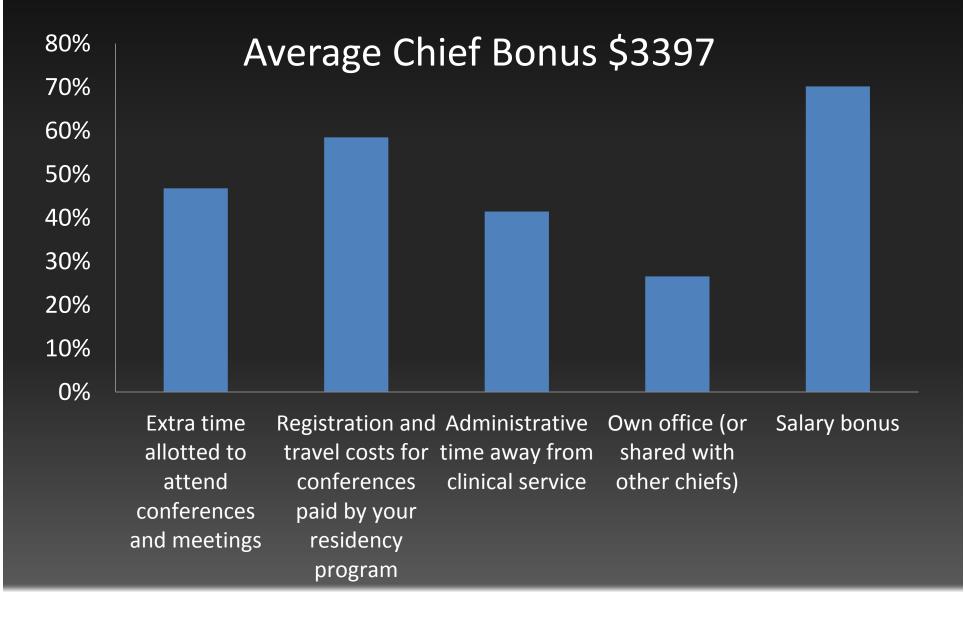


## **CHIEF RESIDENTS**

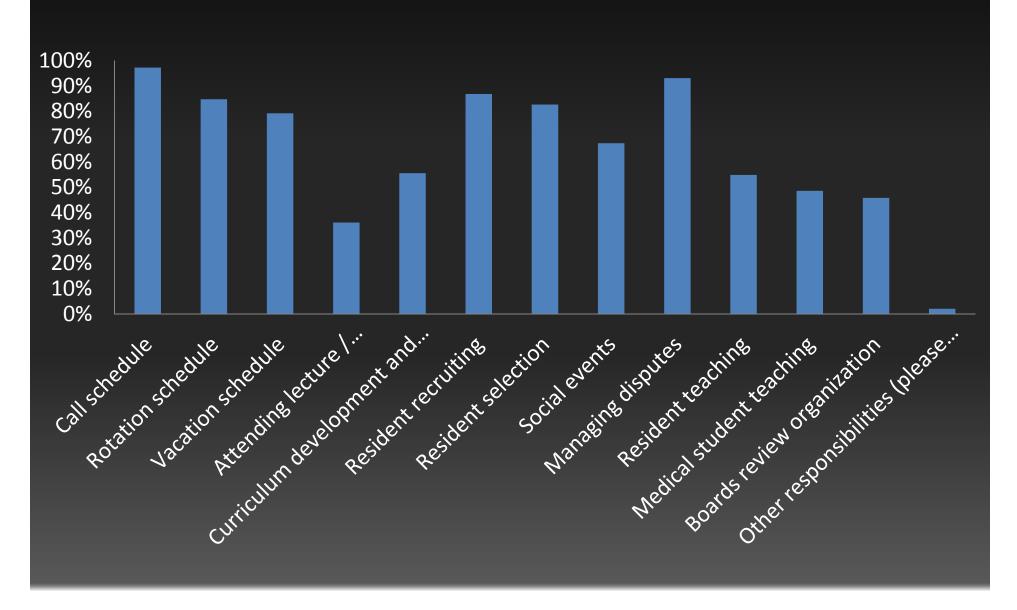
### Chief Resident Tenure 2016 2015



#### **Chief Resident Benefits**



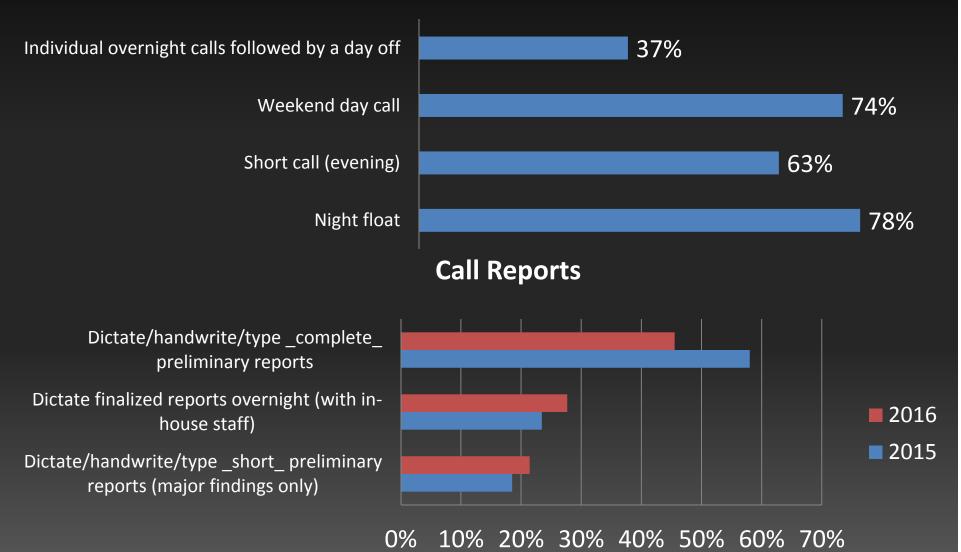
#### **Chief Resident Responsibilities**



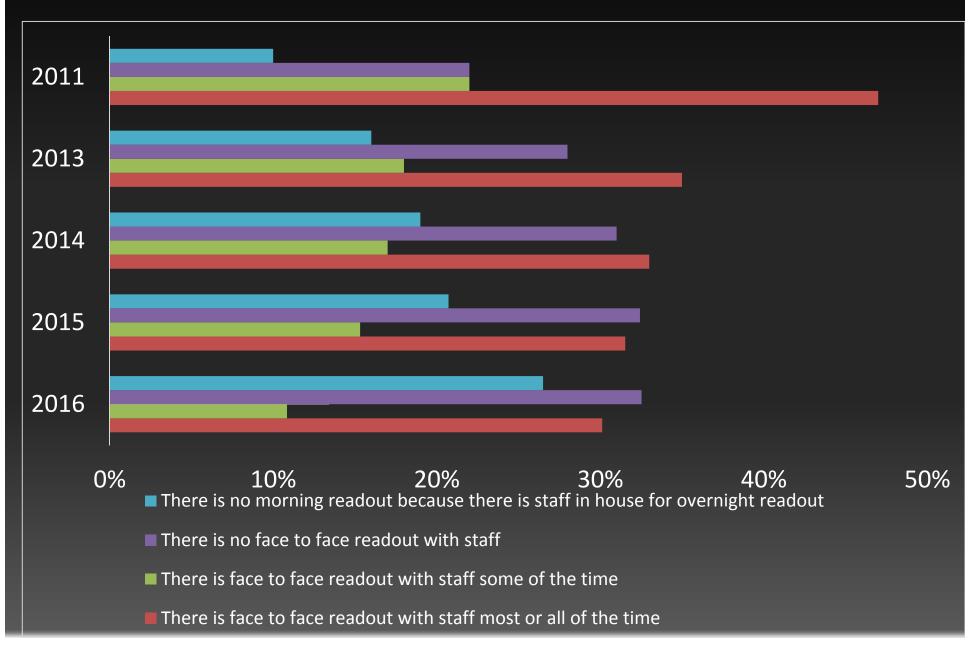
# CALL AND ATTENDING COVERAGE

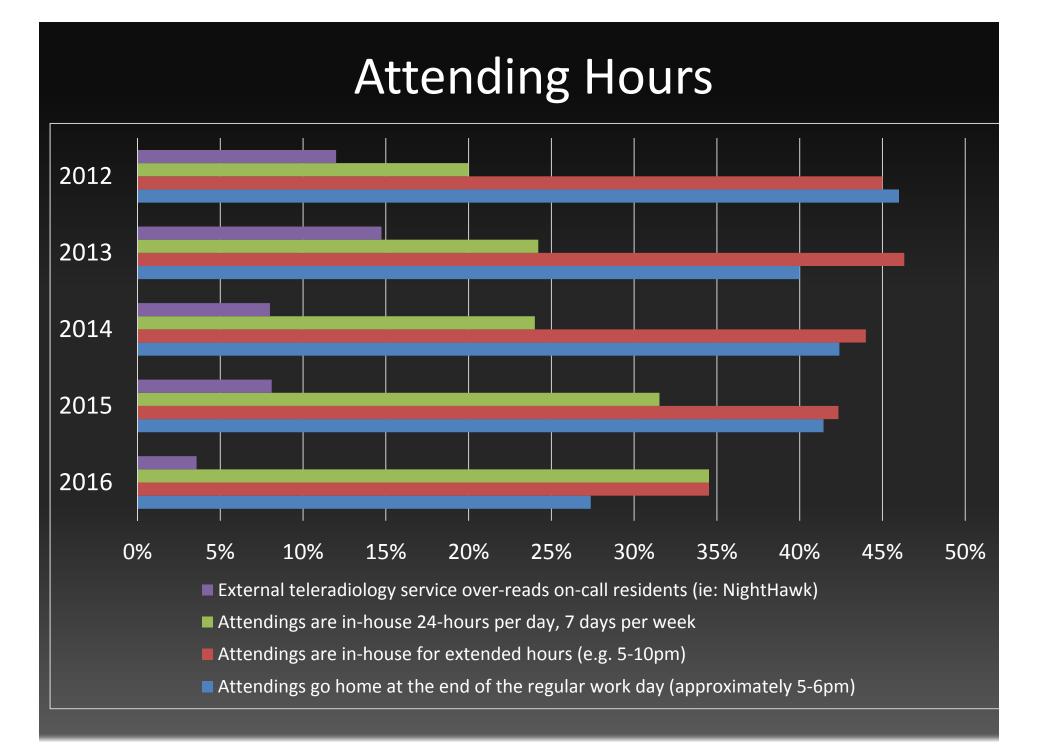
#### Call and Weekend Coverage

#### **Call Structure**

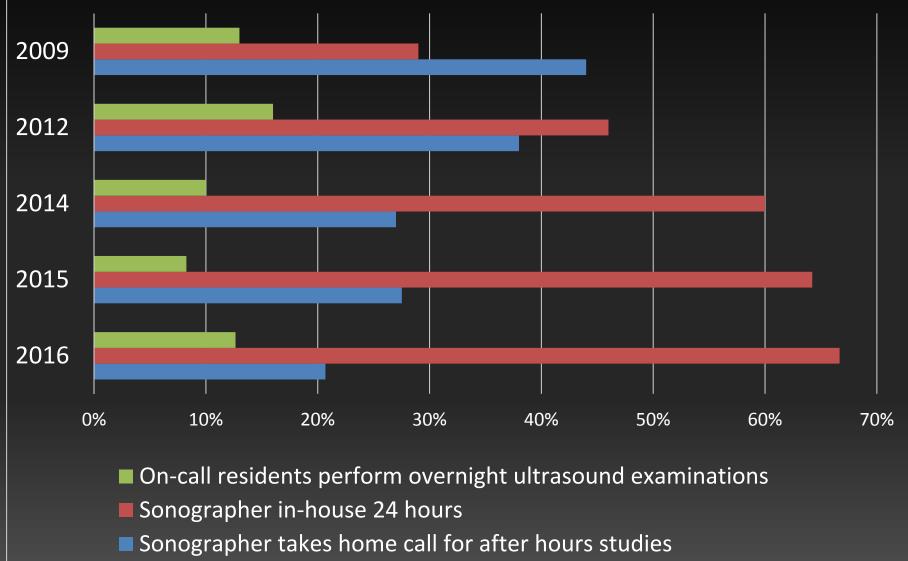


#### Post Call Readout

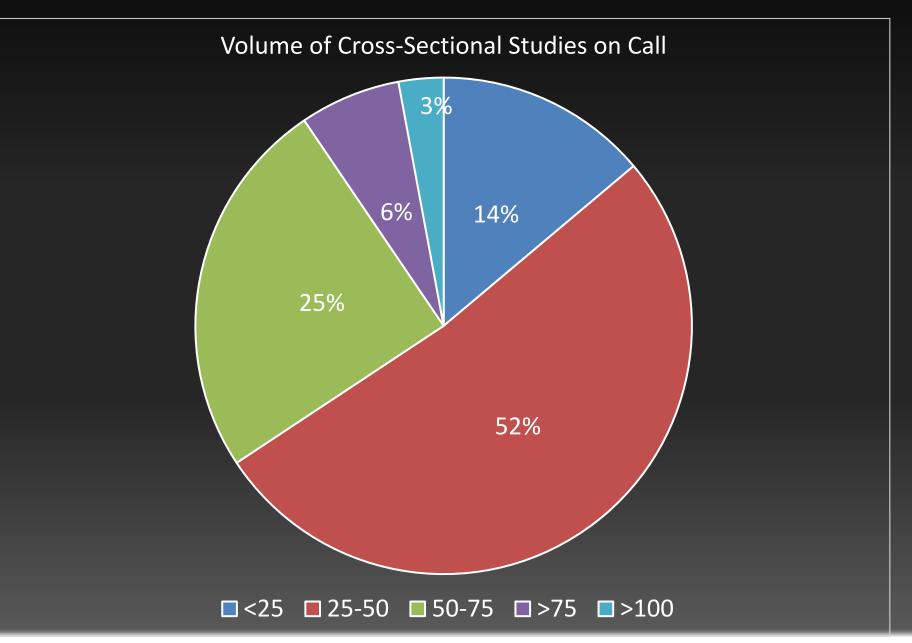




#### Ultrasound Coverage



#### Call Volume

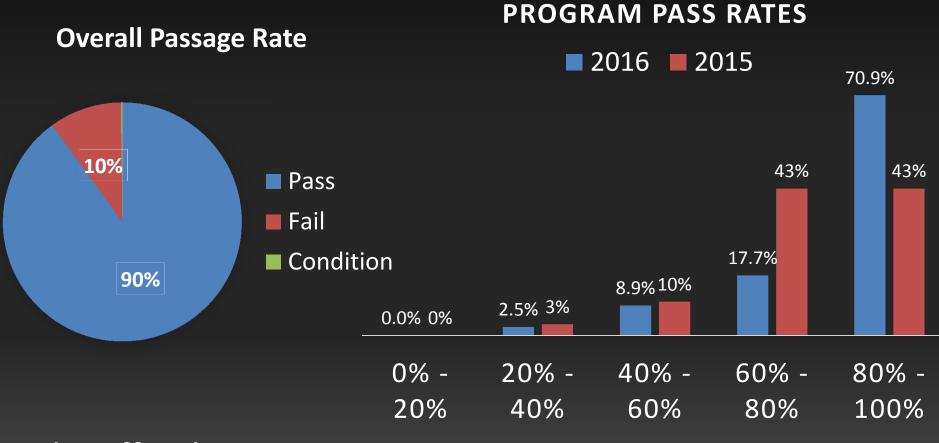


### **Attending Hours**

- Clear trend to decreasing face-to-face readout
- Continued increase in 24-hour attending coverage
- 15% of programs reported plans to implement 24hour attending coverage over the next year
- Trend to increasing overnight inhouse sonographer coverage

## **ABR CORE EXAM**

#### ABR Core Exam – Pass Rates



- The official ABR statistics on passage rate are:
  - Passed 89%; Conditioned 1%; Failed 10%

#### ABR Core Exam Board Review

#### **Board Review**

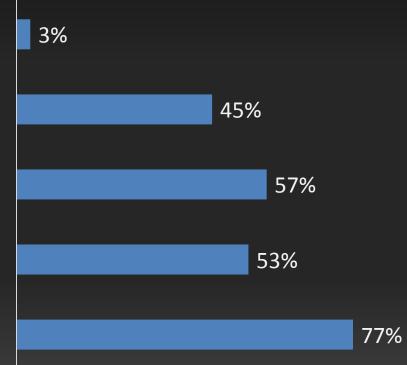
My program does not provide resources for review

My program pays for external board review

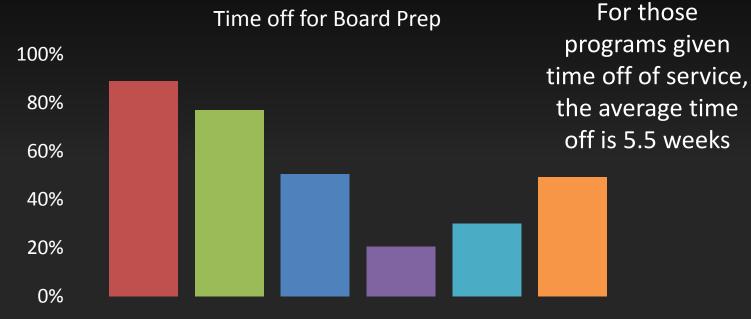
My program provides time off for external board review

My program provides internal board review focused on multiple choice...

My program provides internal board review taking cases orally



#### ABR Core Exam Study Time

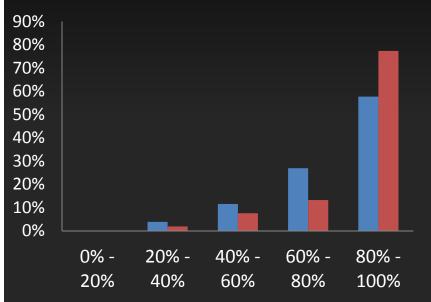


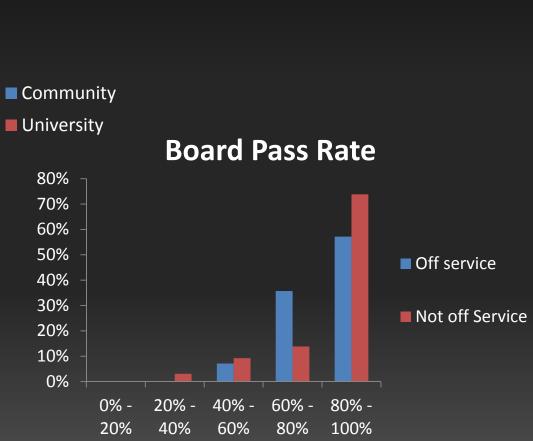
My program takes residents out of the call pool prior to the exam

- My program places residents on "lighter" rotations which allow more time for studying
- My program gives time off from clinical service to study prior to the exam
- A block of time away from clinical service (weeks, months, etc.)
  Avg 5.5 wks, Median 4 wks
- A period of time daily off of clinical service (hours)

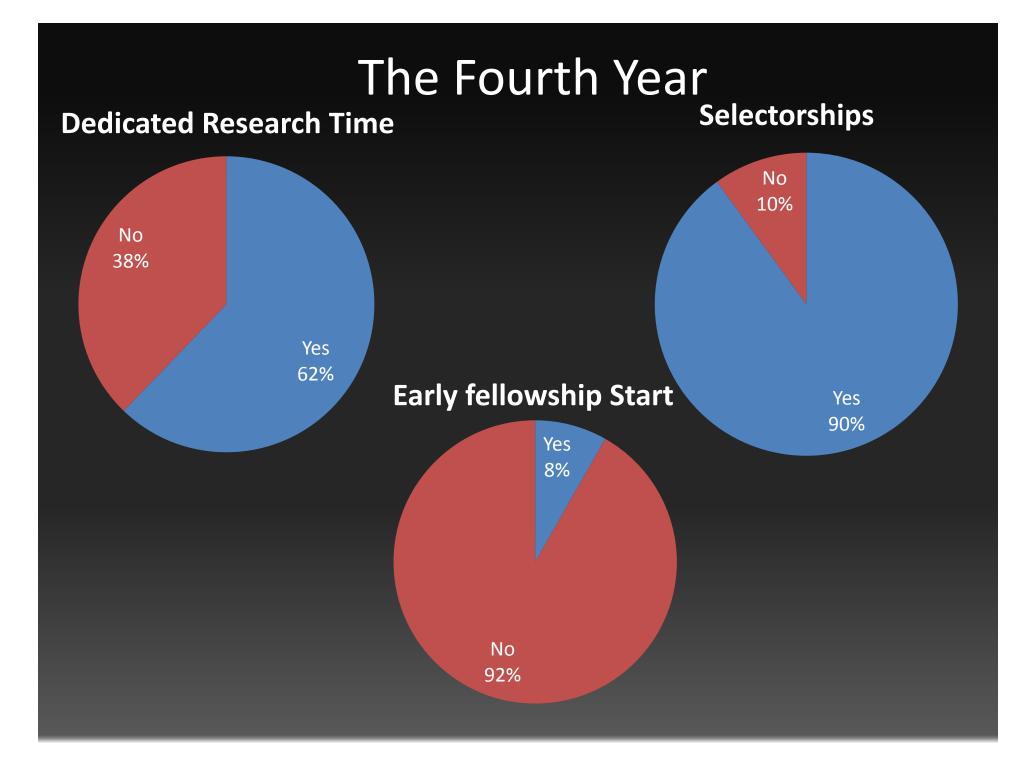
### ABR Core Exam

#### **Board Pass Rate**





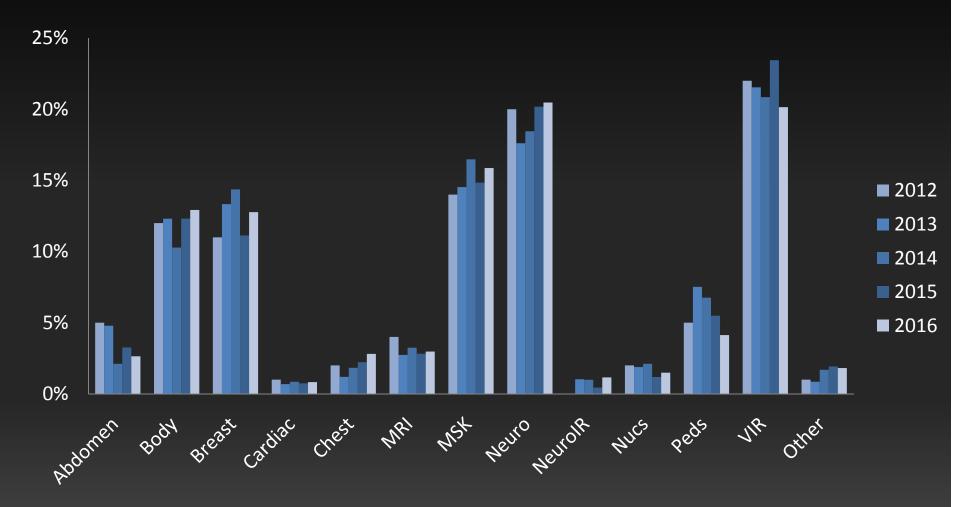
# THE FOURTH YEAR AND FELLOWSHIPS



#### Fellowships 140 120 100 80 External Fellowship (going to a different program) 60 Internal Fellowship (staying 40 put) 20 0 Abdomen Body Reast ratia chest NRI NSK euron Nuc Peds VIP other

Approximately 5% of residents are reported to plan doing two fellowships

### Fellowship Choices over the Years

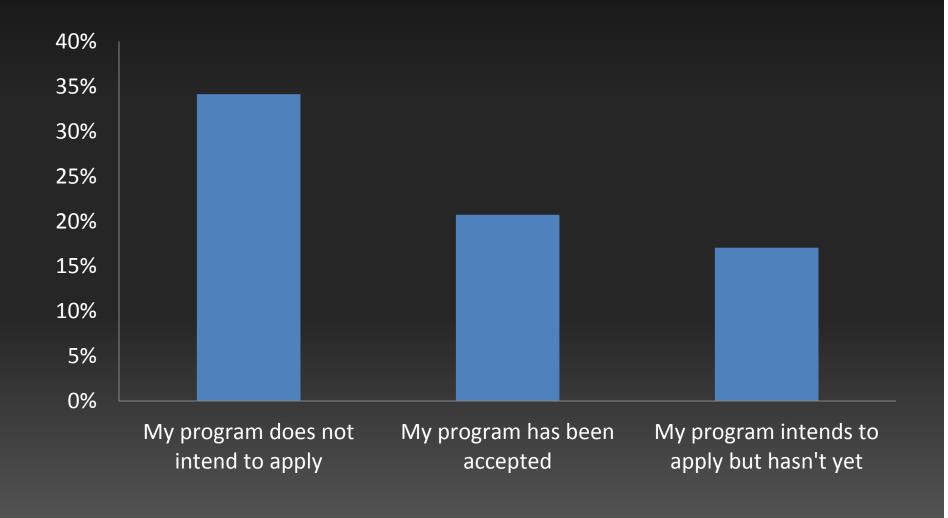


- MSK, Neuro, and VIR remain the top 3
- Small drop in VIR

# **IR/DR PATHWAY**

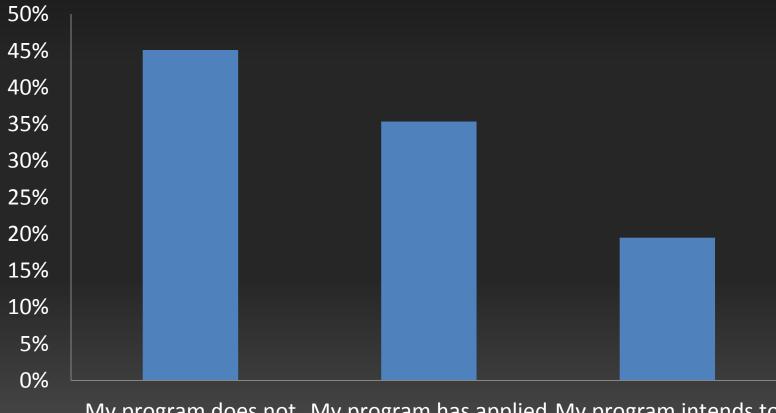
### **IR Integrated Residency**

5 year program with 3 years of DR and 2 years of IR



### **IR Independent Residency**

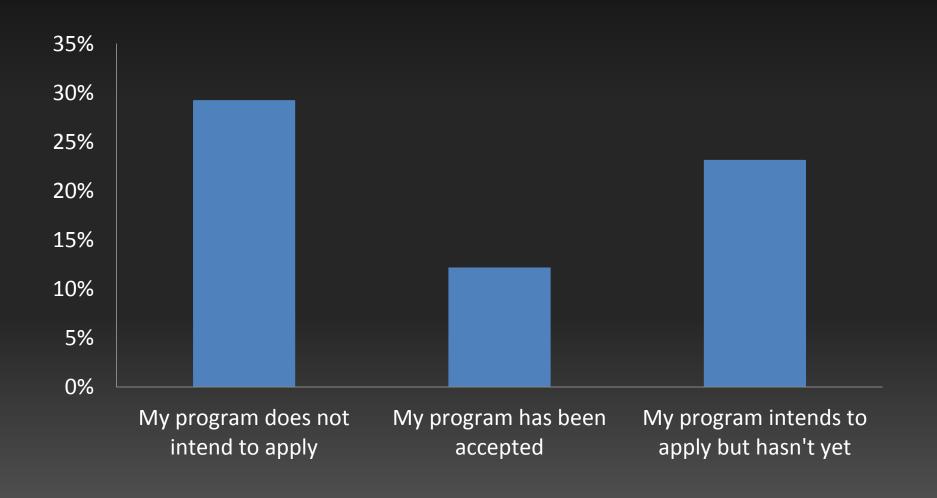
1-2 year program following a 4 year DR program No programs have been accepted to date



My program does not My program has applied My program intends to intend to apply and has not yet heard apply but hasn't yet

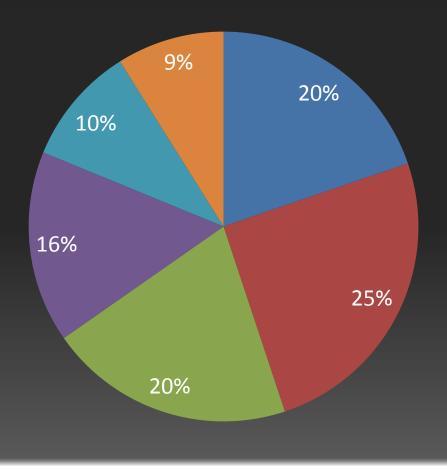
### **ESIR**

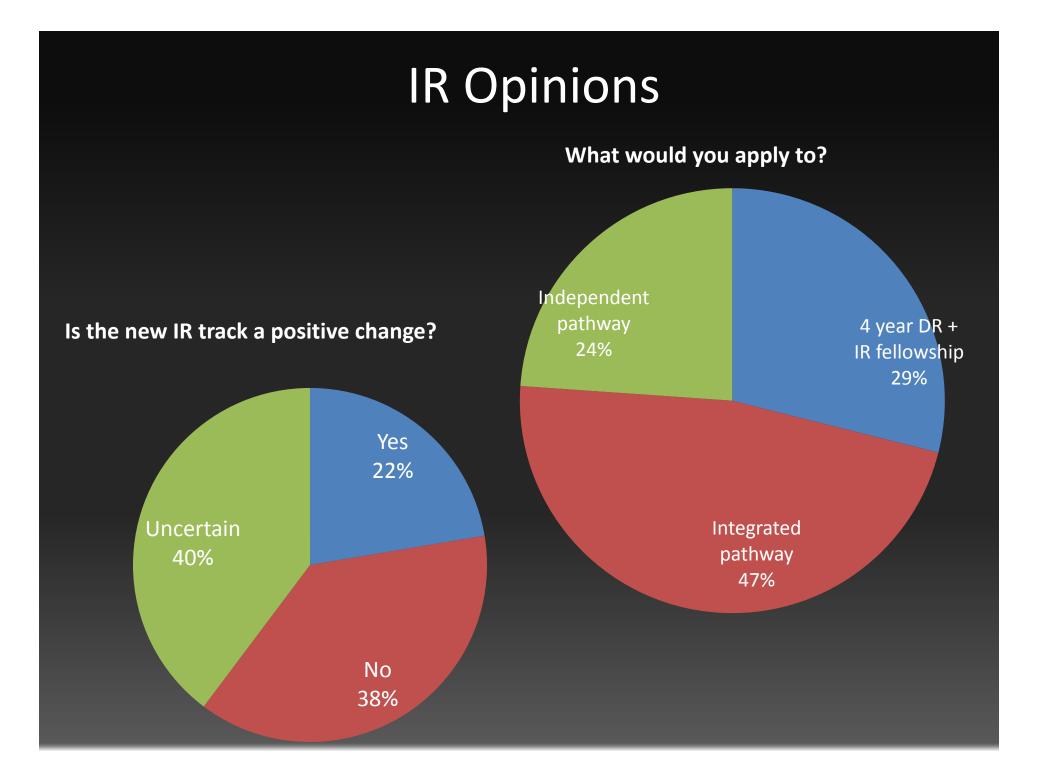
#### 4<sup>th</sup> year DR residency structured to focus on IR



### **IR** Concerns

- I'm concerned about how the IR residents will affect our call pool
- I'm upset IR residents can practice DR with less training than the diagnostic residents
- I'm concerned that my ability to do procedures as a diagnostic radiologist in practice may be jeopardized
- I'm concerned there won't be enough independent positions available for the number of ESIR spots granted
- I do not have any concerns
- Other (please specify)





### **IR Affect on Residency Numbers**

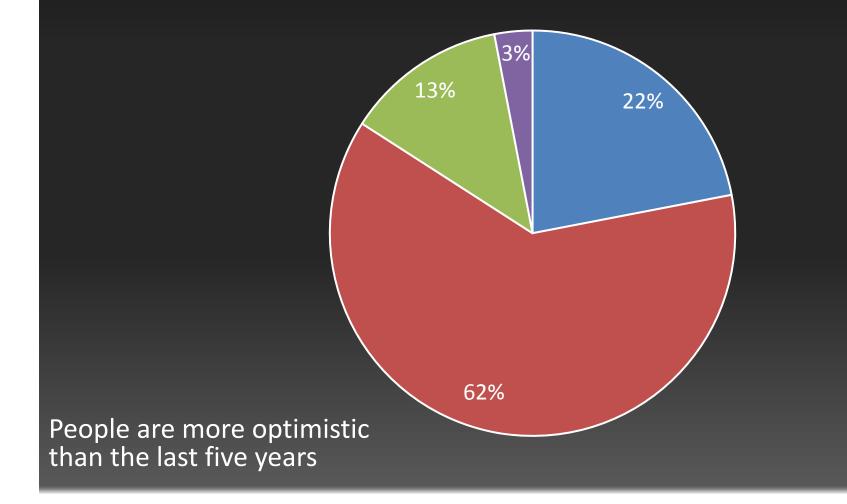
Decreased number of DR residents 47%

No change 52%

# HEALTHCARE ECONOMIC\$ AND THE JOB MARKET

### Job Market Outlook

Good (I am NOT AT ALL WORRIED about finding a job in the near future)
 OK (I am A LITTLE WORRIED about finding a job in the near future)
 Poor (I am WORRIED about finding a job in the near future)
 Extremely Poor (I am VERY WORRIED about finding a job in the near future)



### Job Market – Perceived Effects on Radiology

Discouraging top-tier medical students from choosing radiology

Encouraging top-tier medical students to choose radiology

Due to lower reimbursement rates, practices are looking for radiologists trained in more than one fellowship

Practices are trying to increase their volume to maintain a similar salary despite the lower reimbursement...



- Residents still perceive bad job market as likely to discourage toptier medical students from choosing radiology
- A minority also feels that practices are looking for >1 fellowship

### Long-term career plans

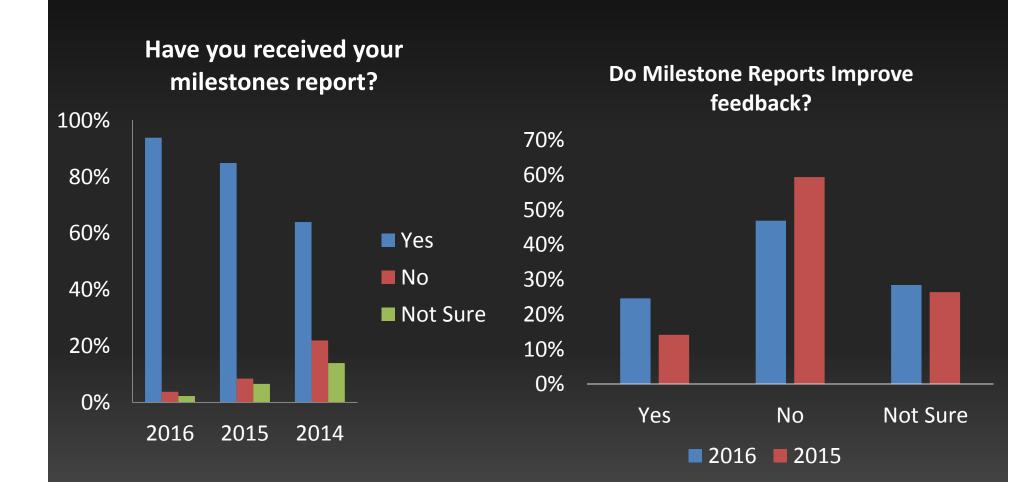


-95% residents entering fellowship after residency

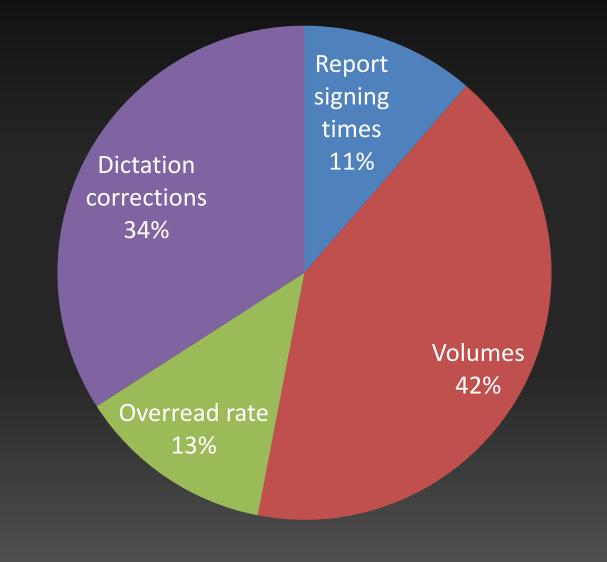
-Residents expect to work an average of 53 hours/week in their future career

### MILESTONES

### Milestones



### Resident Feedback



# Summary

- There are still too few women in radiology
- The majority of programs offer moonlighting with internal moonlighting being the most common
- There is a continued trend towards 24-hour attending coverage on call with decreased face-to-face readouts
- 24-hour sonographer coverage continues to grow
- A larger percentage of programs are reporting a higher pass rate for the CORE exam meaning that the majority of failures are concentrated in a smaller number of programs
- Inverse relationship with time off service and CORE pass rates

# Summary

- VIR, Neuro, and MSK remain the most popular fellowships
- Confusion and uncertainty surround the new IR pathways
- Most programs plan to decrease the number of DR residents to accommodate the IR residents
- Job market prospects continue to improve
- The vast majority of residents have now received milestones report with increasing number of residents finding them valuable as feedback

# Summary

- Thanks again to the 173 of you who filled out the survey!
- Thank you to my co-chief residents Chris Smith and Sebastian McWilliams
- There was more data in the survey than we could present. If you are interested in a particular question, we would be happy to provide more data.