

# WHY NOT RADIOLOGY: WOMEN IN MEDICINE

## DISCLOSURES

- None of the authors have any actual or potential conflicts in relation to this presentation.
- **Authors:** Alexandra Jordan MS, Faariah Shakil BA, Susan Rachlin MD, FACR, Daniel Katz



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# WHY NOT RADIOLOGY: WOMEN IN MEDICINE

Alexandra Jordan, MS, Faariah Shakil, BA, Susan Rachlin, MD, FACR, Daniel Katz

## BACKGROUND

- As of 2019, female medical school matriculants increased to outnumber males in US medical school
- The percentage of women in radiology does not match this trend according to 2020 NRMP Match Data
- The percentage of women in radiology residencies has remained consistent over the last decade with most data showing 26.4% females in 2019.

## PURPOSE

We sought to determine if these numbers were different at our institution.

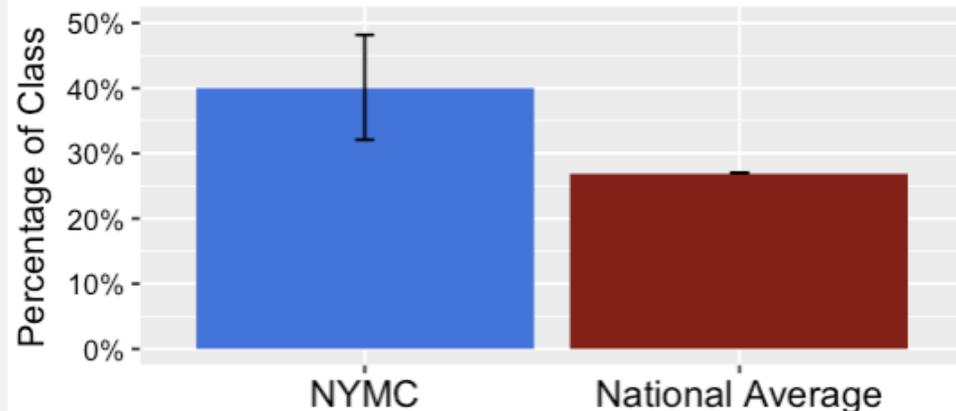
## METHODS

We collected the demographics of matriculating students and radiology residency matches for the classes of 2014-2021 from our institution and National Resident Matching Program (NRMP) data, respectively.

## RESULTS

- The average percentage of female matriculants to our institution was 50.76% between 2014 and 2021.
- During this period, the percentage of female radiology matches averaged 40.13%, while nationally, females made up only 26.73% of radiology matches.
- Our institution consistently matched a higher percentage of females into radiology in comparison to the national average ( $t(12) = -2.88, p = .014$ ).
- The national average and NYMC female radiology match rates did not change significantly over this time ( $p > .1$  for both slopes).

### Female Radiology Match Percentage Class of 2014 - 2021



Error Bar is 95% CI

## DISCUSSION

- Review of demographic data shows that between 2014 and 2021, 26.4% of national radiology matches were female.
- In comparison, our institution had a consistently higher percentage of female radiology matches at 40.13%.
- We have considered that this may be due to a very active radiology interest group that is led by a female radiologist.
- This interest group provides support, mentorship, and career exploration beginning in the first year.
- It is possible that our institution's higher percentage of females matching into Radiology may be due to the presence of a strong female role model in the field who provides guidance in the preclinical years.
- Introduction of mentoring programs early on in medical education has been shown to foster interest in many medical specialties.

## CONCLUSIONS

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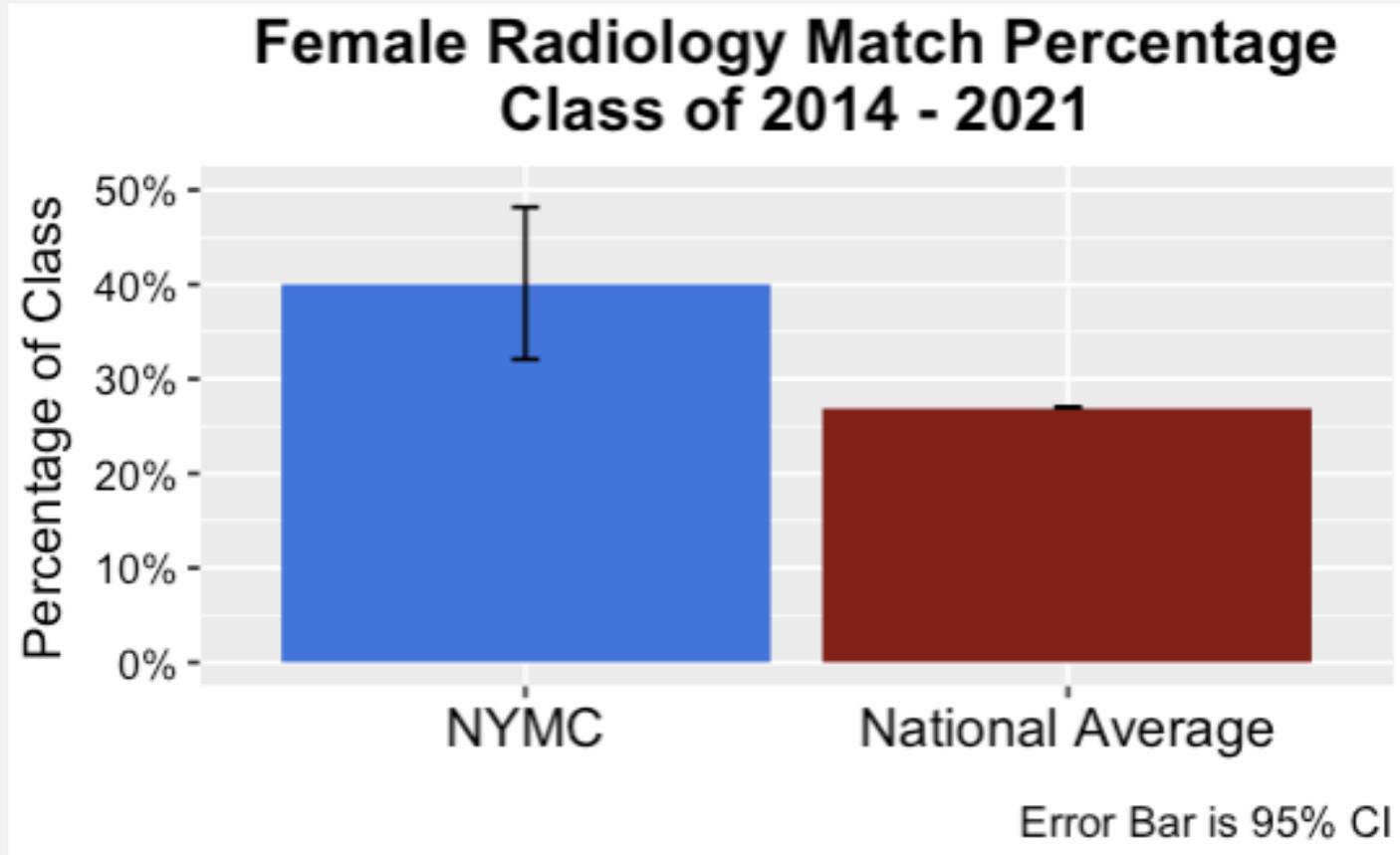
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## CONCLUSIONS

- Selecting a medical specialty is dependent on many factors.
- It is well documented in the literature that the introduction of mentoring programs early on in medical education has been shown to foster interest in many medical specialties.
- Based on our experiences, providing a female role model in radiology may have resulted in increased female interest in the field.
- Further investigation of factors contributing to the higher number of females entering radiology from our institution could be examined, however, the outcomes presented demonstrate a future role for mentors in the field of radiology.