

INVESTIGATING THE PRESENCE OF FEMALES IN ANESTHESIOLOGY AND AS LEADERS IN ACADEMIC ANESTHESIA

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Introduction

- Studies have previously shown a downtrend of female anesthesia residents (2013: 36% → 2019: 33%) and underrepresentation in general¹
- Female presence has remained stagnant despite increased representation in other fields²
- Women have less representation as residency applicants and resident physicians³

Objective

To evaluate the current presence of females in anesthesia as residents, program directors, program chairs in programs across the United States



Methods

- Anesthesiology residency program websites were evaluated during the 2024-2025 academic year
- Gender was collected for all residents, program directors and department chairs
- Gender was confirmed using the National Provider Identifier (NPI) registry website
- Programs were excluded if names of residents, director, chair were not publicly listed
- Two tailed t-tests used to evaluate difference between male and female physicians

Demographics

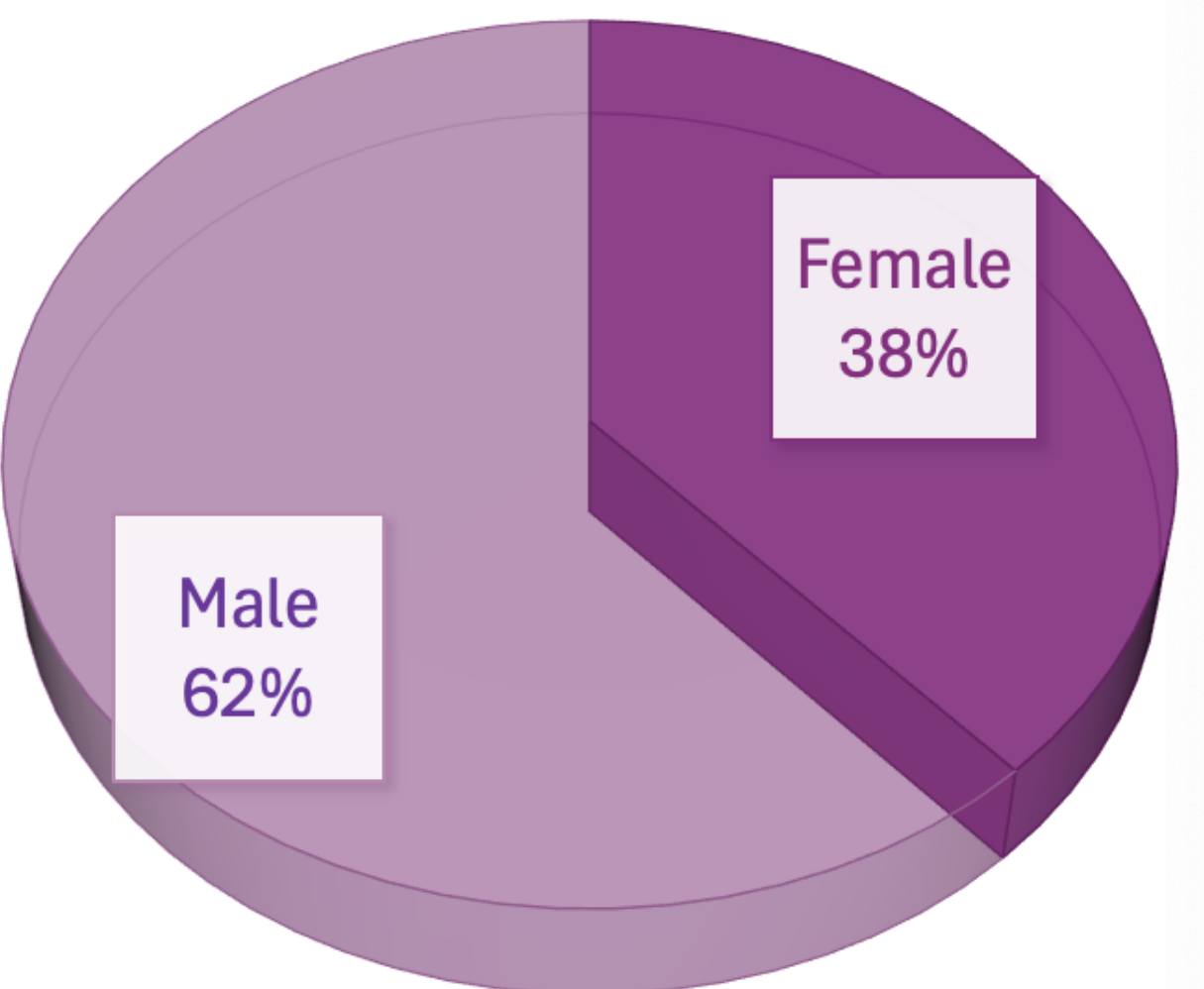
- 177 total programs
- 6869 total resident physicians
 - 292 chief residents
 - 1735 CA-3
 - 1762 CA-2
 - 1835 CA-1
 - 1537 PGY-1
- 175 program directors
- 156 department chairs

Results

Overall, **38.2%** of residents were **female** and **61.8%** were **male**.

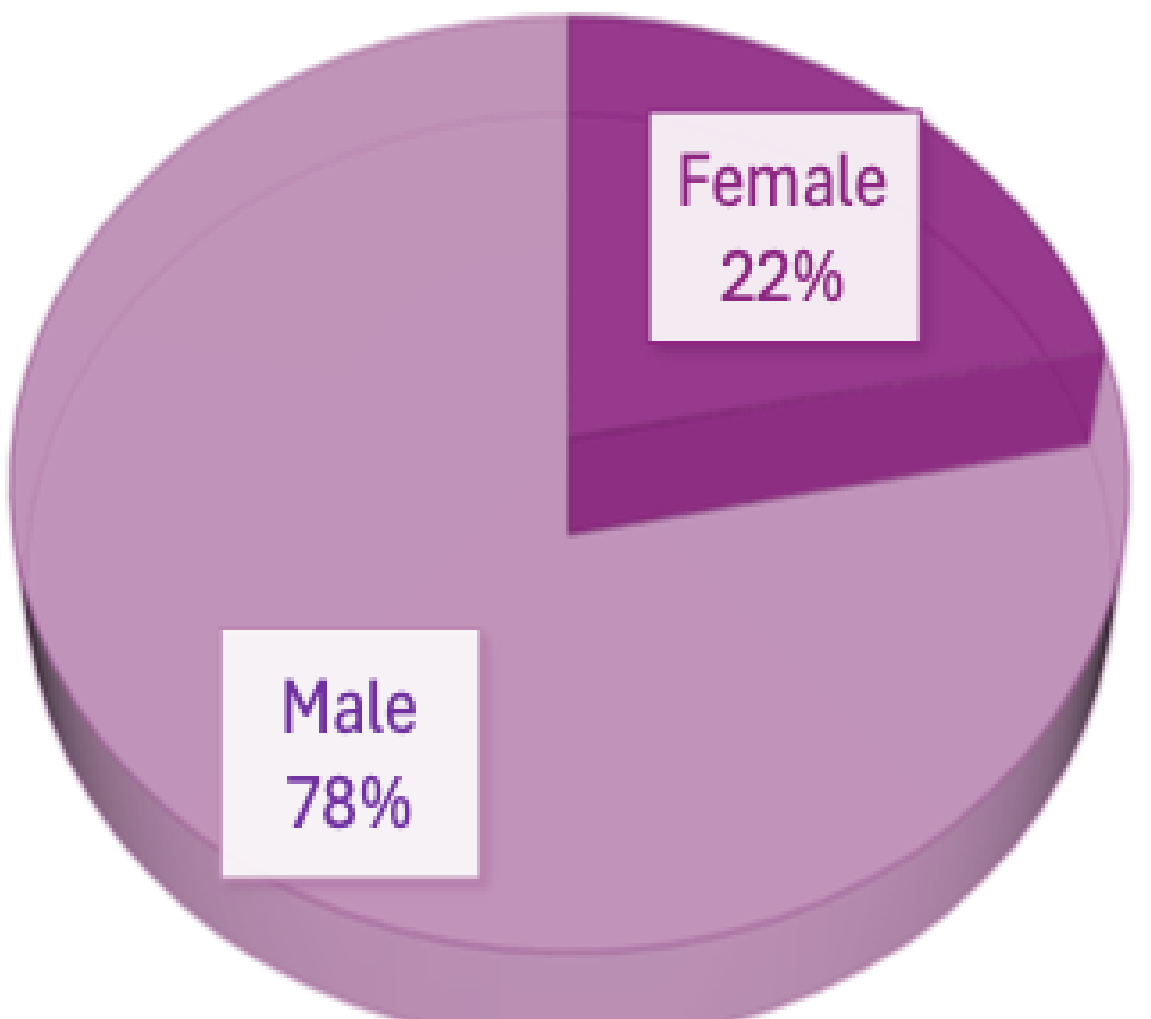
Resident Class	% Female	p value
PGY-1	37.3	<0.00001
CA-1	42.3	<0.00001
CA-2	38.5	<0.00001
CA-3	33	<0.00001
Chiefs	39	0.0002

Program Directors



p=0.0019

Department Chairs



p<0.00001

Discussion

- Anesthesia remains a male dominated field at the level of residency and academic leadership
- Leadership roles show lower female representation relative to male counterparts
- Visibility is valuable; a greater proportion of females training in a program attracts more female candidates⁴

Conclusion

Female anesthesiologists should continue to actively mentor and support female trainees, as well as highlight the success of current female anesthesiologists to inspire and promote inclusivity in the field.

References

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