

# The State of Women in Medicine & Rheumatology





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## Disclosures

Consultant/Speakers Bureau

Janssen

GSK

Aurinia

Astra Zeneca

Alexion

First born to immigrant parents, native of Arizona 2001 MD from USC Keck School of Medicine 2002 Master's in Medical Education from USC Rossier School of Education 2002-05 Internal Medicine residency at UCLA 2005-07 Rheumatology fellowship at UCLA 2007 Joined faculty at UC Irvine as an Assistant Professor 2012 Program Director of the Fellowship 2018 Stepped in as Interim Chief, Program Director

## My Journey

## Agenda



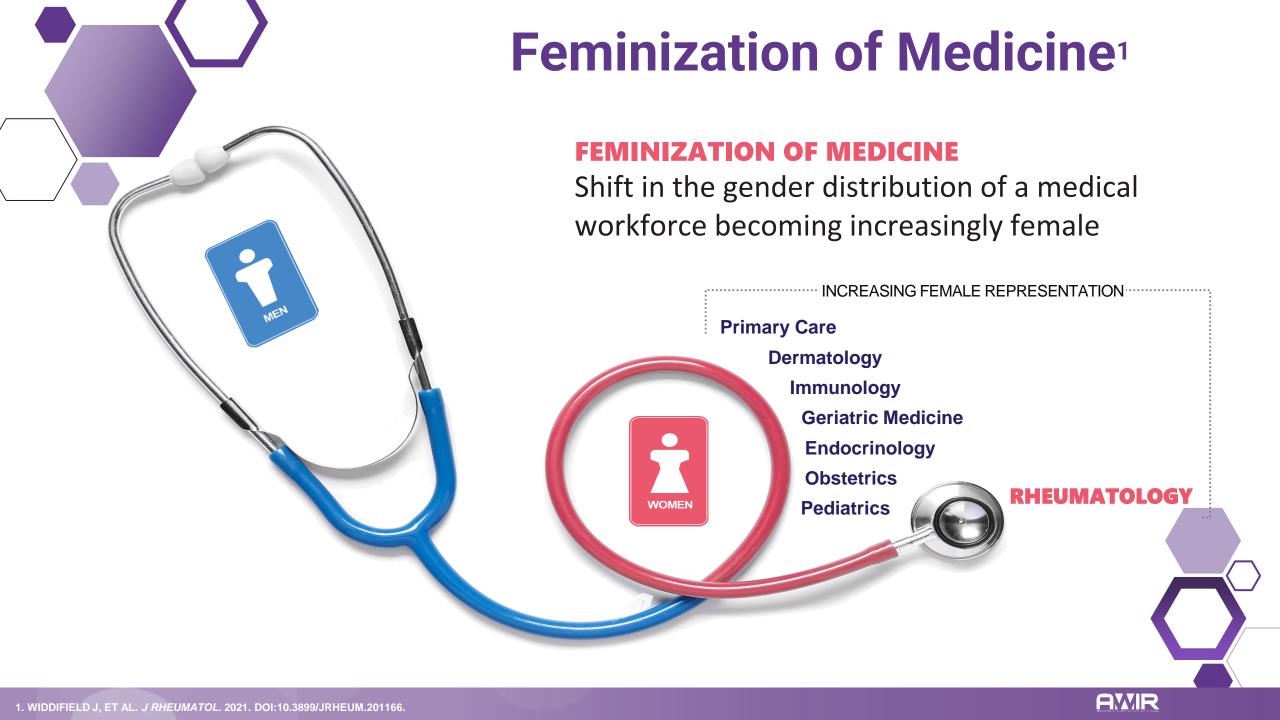
## **GENDER EQUITY SURVEY**



https://survey.zohopublic.com/zs/5cbumd

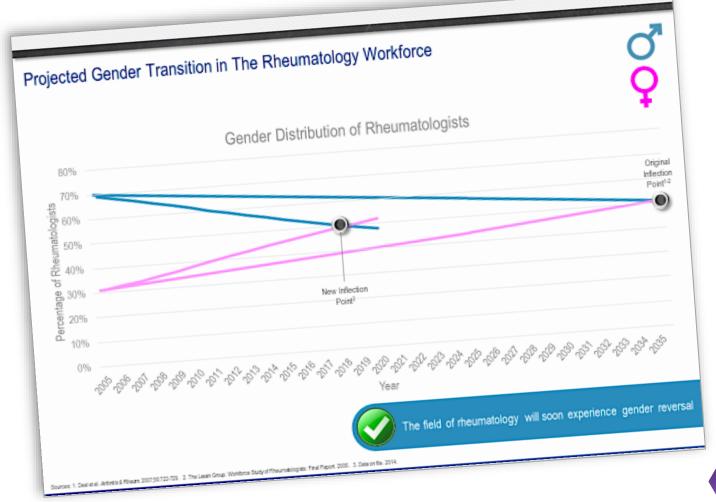
## **Feminization**





# **Projected Feminization of the US Rheumatology Workforce**



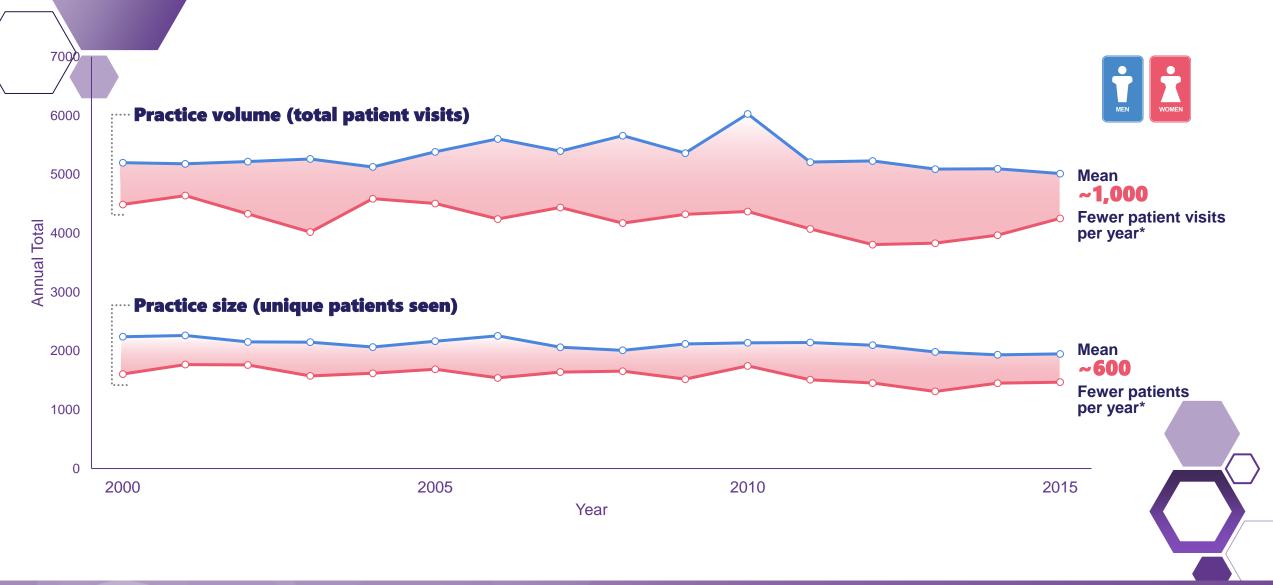




## Feminization of the Canadian Rheumatology Workforce



## **Gender Differences in Annual Patient Volume**





DO WE NOT WORK AS HARD?





## Difference in Hours Worked Per Week by Gender



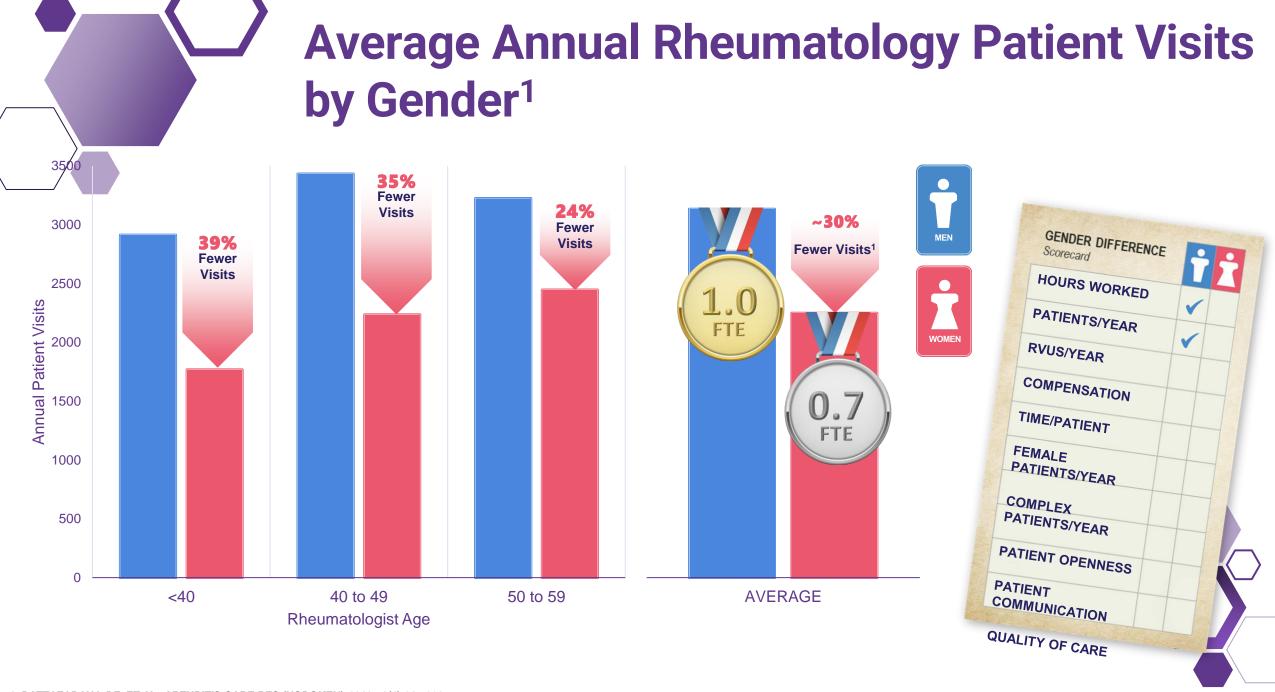


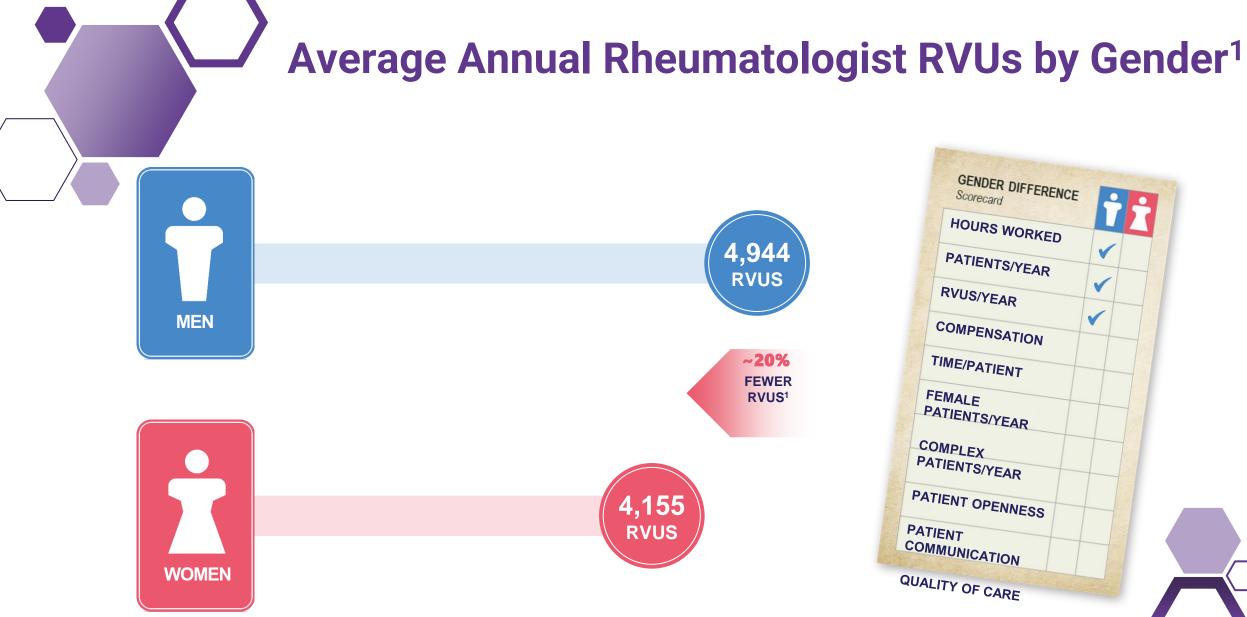


**10%** FEWER HOURS WORKED PER WEEK\*





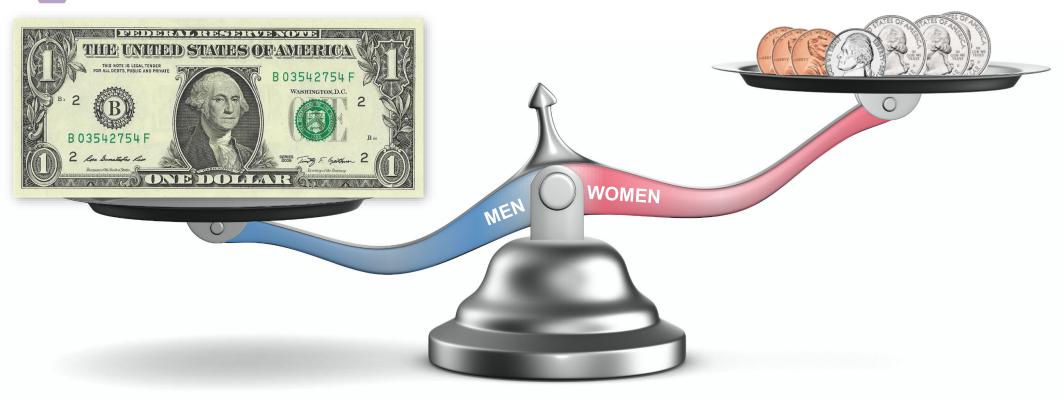








# Difference in Compensation\* by Gender in Rheumatology<sup>1-4</sup>





<sup>1.</sup> Medscape. Https://Www.Medscape.Com/Slideshow/2020-compensation-rheumatologist-6012748#4. Accessed May 10, 2021.



<sup>2.</sup> Medscape. Https://Www.Medscape.Com/Slideshow/2018-compensation-rheumatologist-6009674. Accessed May 10, 2021.

<sup>3.</sup> Medscape. Https://Www.Medscape.Com/Slideshow/Compensation-2017-rheumatology-6008588. Accessed May 10, 2021.

<sup>4.</sup> Medscape. Https://Www.Medscape.Com/Features/Slideshow/Compensation/2016/Rheumatology. Accessed May 10, 2021.

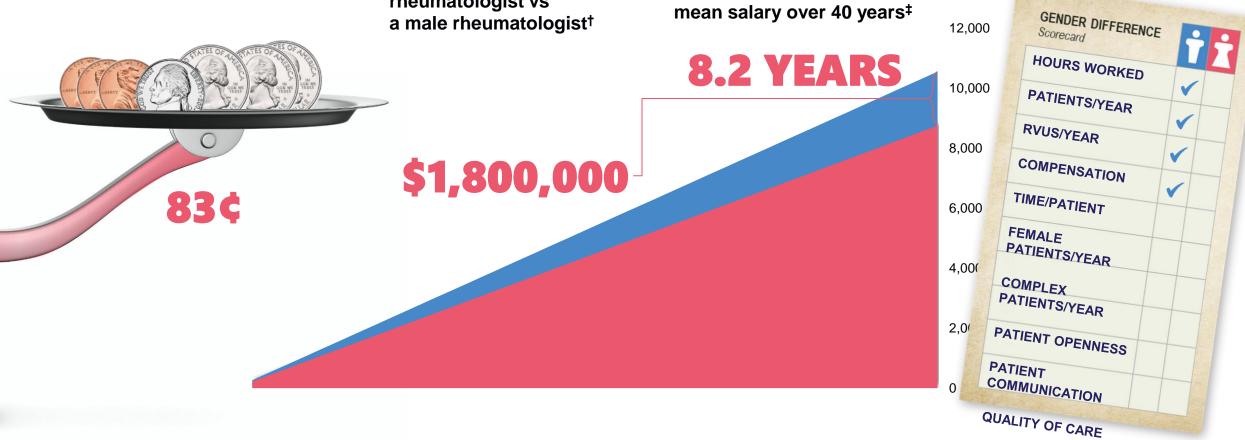
<sup>5.</sup> Wright G. J Rheumatol. 2021; Doi:10.3899/Jrheum.210082.

## Lifelong Earnings Impact of Gender Compensation Difference\*1-5

What a female rheumatologist makes for every dollar a male rheumatologist makes

The difference in mean salary over 40 years (lifelong earnings) for a female rheumatologist vs a male rheumatologist<sup>†</sup>

Additional years a female rheumatologist has to work to make up the difference in mean salary over 40 years<sup>‡</sup>



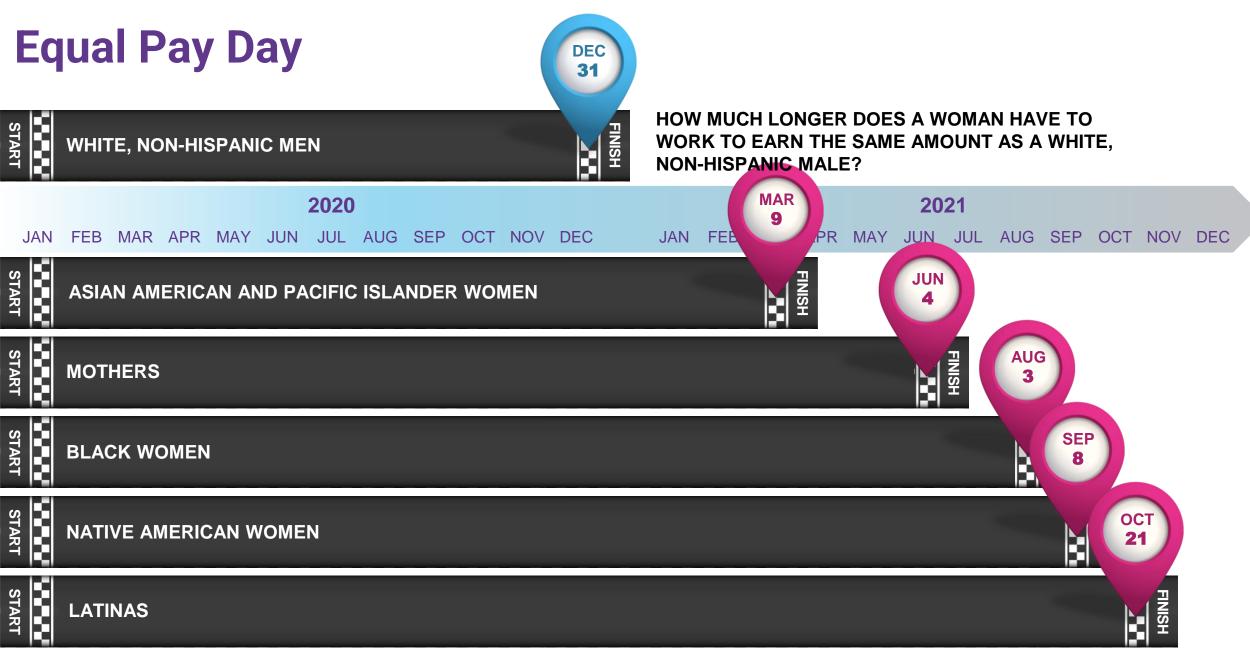
\*Mean compensation calculated from 2016, 2017, 2018, and 2020 annual compensation reports. †Mean compensation x 40 years used to estimate lifelong earnings4. †Difference over 40 years / female rheumatologist mean salary.

<sup>1.</sup> Medscape. Https://www.Medscape.Com/slideshow/2020-compensation-rheumatologist-6012748#4. Accessed may 10, 2021.

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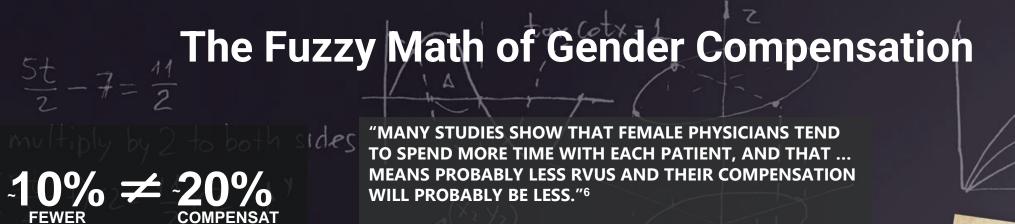
<sup>3.</sup> Medscape. Https://www.Medscape.Com/slideshow/compensation-2017-rheumatology-6008588. Accessed may 10, 2021. 4. Medscape. Https://www.Medscape.Com/features/slideshow/compensation/2016/rheumatology. Accessed may 10, 2021.

<sup>5.</sup> Wright G. J rheumatol. 2021; doi:10.3899/jrheum.210082.



1. US DEPARTMENT OF LABOR. ACCESSED MARCH 14, 2022. HTTPS://BLOG.DOL.GOV/2021/03/19/5-FACTS-ABOUT-THE-STATE-OF-THE-GENDER-PAY-GAP#:~:TEXT=5%20FACTS%20ABOUT%20THE%20STATE%20OF%20THE%20GENDER,FORCE%20PARTICIPATION%20BACK%20MORE%20THAN %2030%20YEARS.%20.





**10%** ≠ **20% RVUS**<sup>6</sup> HOURS

HOURS

WORKED1

WORKED1

-10% + -10% = -20% **FEWER HOURS VISITS** WORKED1 WITH

PATIENTS<sup>7</sup>

ION

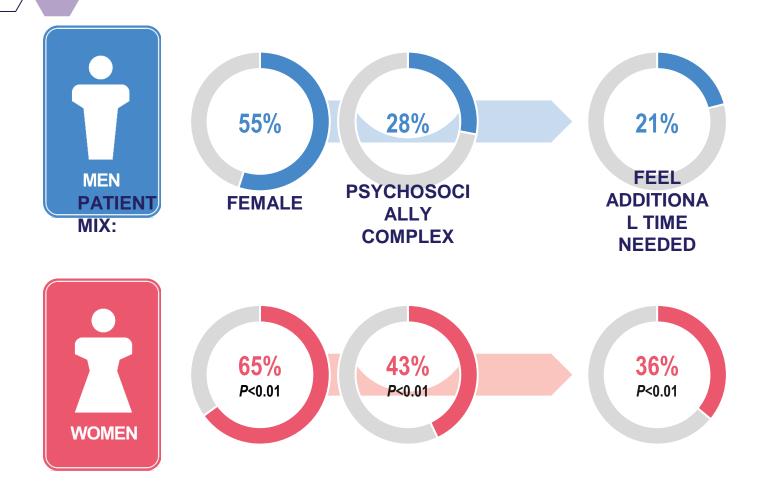
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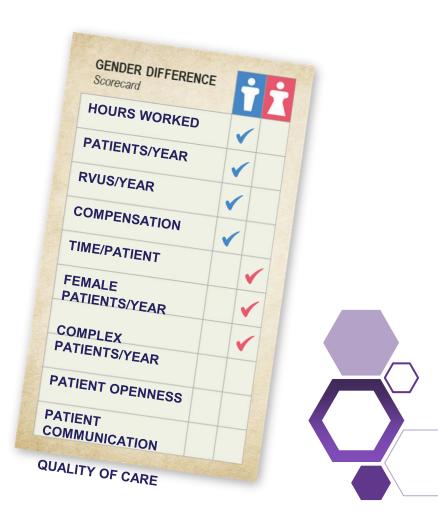
**∆** I 2-5

TION DIFFERENTI

GENDER DIFFERENCE Scorecard HOURS WORKED PATIENTS/YEAR RVUS/YEAR COMPENSATION TIME/PATIENT FEMALE PATIENTS/YEAR COMPLEX PATIENTS/YEAR PATIENT OPENNESS **PATIENT** COMMUNICATION

## Significant Differences Exist in the Patient Mix by Gender\*1





<sup>\*</sup>Based on a survey of primary care physicians.

1. Mcmurray JE, et al. *J gen int med.* 2000;15:372-380.

## Gender Differences in the Patient Visit<sup>1</sup>

#### **Patients**



**Speak more** 



Disclose more medical information

Make more positive statements



Report more participatory visits

Are more open with female physicians

#### Female physicians



Are more empathetic



Focus more on psychosocial question-asking and counseling

Are more patient-centered in their communications







# Female Physicians Compared to Male Physicians

<b>Spend</b>	more	time	with	patients
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Have more patient centered communication

More empathetic

Higher rate of Preventative Medicine

More guideline concordant

Work fewer hours per week

See fewer patients annually

Compensation is approx. 83 cents/dollar

## Patients Treated by Female Physicians May Have Better Outcomes<sup>1</sup>

JAMA Internal Medicine | Original Investigation

## Comparison of Hospital Mortality and Readmission Rates for Medicare Patients Treated by Male vs Female Physicians

Yusuke Tsugawa, MD, MPH, PhD; Anupam B. Jena, MD, PhD; Jose F. Figueroa, MD, MPH; E. John Orav, PhD; Daniel M. Blumenthal, MD, MBA; Ashish K. Jha, MD, MPH

**IMPORTANCE** Studies have found differences in practice patterns between male and female physicians, with female physicians more likely to adhere to clinical guidelines and evidence-based practice. However, whether patient outcomes differ between male and female physicians is largely unknown.

**OBJECTIVE** To determine whether mortality and readmission rates differ between patients treated by male or female physicians.

DESIGN, SETTING, AND PARTICIPANTS We analyzed a 20% random sample of Medicare fee-for-service beneficiaries 65 years or older hospitalized with a medical condition and treated by general internists from January 1, 2011, to December 31, 2014. We examined the association between physician sex and 30-day mortality and readmission rates, adjusted for patient and physician characteristics and hospital fixed effects (effectively comparing female and male physicians within the same hospital). As a sensitivity analysis, we examined only physicians focusing on hospital care (hospitalists), among whom patients are plausibly quasi-randomized to physicians based on the physician's specific work schedules. We also investigated whether differences in patient outcomes varied by specific condition or by underlying severity of illness.

- Editorial page 161
- Author Audio Interview
- Supplemental content
- CME Quiz at jamanetworkcme.com and CME Questions page 296



## Patients Treated by Female Physicians May Have Better Outcomes<sup>1</sup>



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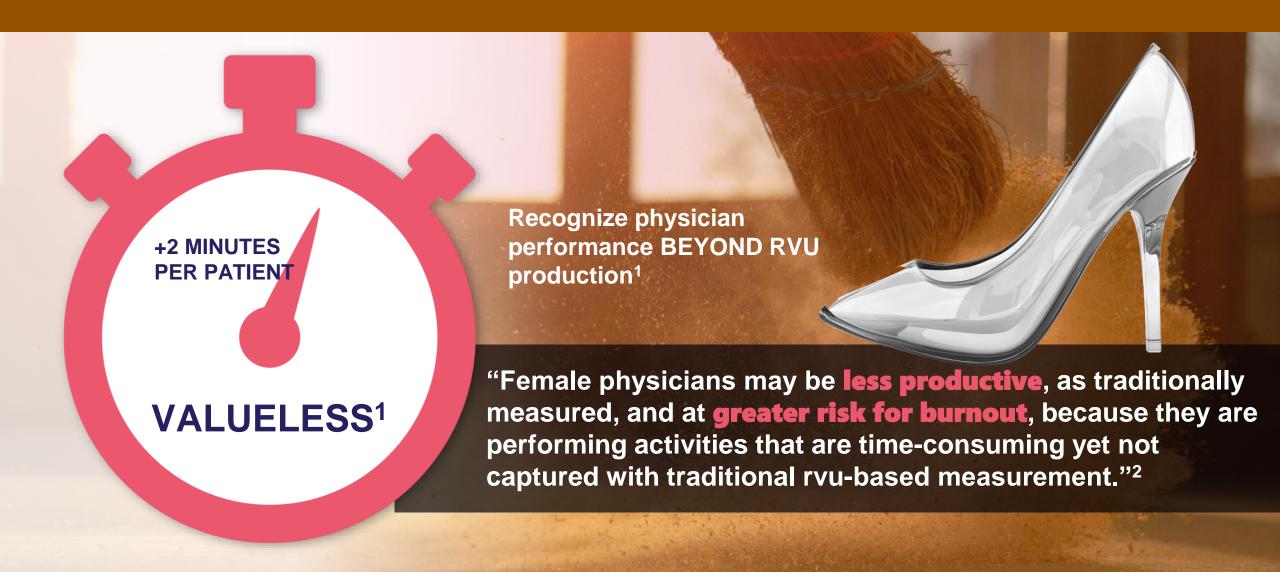
#### DESIGN, SETTING, AND PARTICIPANTS W

fee-for-service beneficiaries 65 years or of treated by general internists from January association between physician sex and 30 patient and physician characteristics and and male physicians within the same hosp physicians focusing on hospital care (hosp quasi-randomized to physicians based on investigated whether differences in patie underlying severity of illness.

"The findings not only launch a grenade at the gender pay gap in medicine, they also suggest the methods of female physicians — if replicated broadly — could significantly improve the quality of medical care in the united states."<sup>2</sup>



## **Cinderella Effect: Are Your Contributions Undervalued?**



#### **Annals of Internal Medicine**

## Position Paper

# Achieving Gender Equity in Physician Compensation and Career Advancement: A Position Paper of the American College of Physicians

Renee Butkus, BA; Joshua Serchen, BA; Darilyn V. Moyer, MD; Sue S. Bornstein, MD; and Susan Thompson Hingle, MD; for the Health and Public Policy Committee of the American College of Physicians\*

Women comprise more than one third of the active physician workforce, an estimated 46% of all physicians-in-training, and more than half of all medical students in the United States. Although progress has been made toward gender diversity in the physician workforce, disparities in compensation exist and inequities have contributed to a disproportionately low number of female physicians achieving academic advancement and serving in leadership positions. Women in medicine face other challenges, including a lack of mentors, discrimination, gender bias, cultural environment of the workplace, imposter syndrome, and

the need for better work-life integration. In this position paper, the American College of Physicians summarizes the unique challenges female physicians face over the course of their careers and provides recommendations to improve gender equity and ensure that the full potential of female physicians is realized.

Ann Intern Med. doi:10.7326/M17-3438 Annals.org
For author affiliations, see end of text.
This article was published at Annals.org on 17 April 2018.

In 2015, more than one third (34%) of the active physician workforce in the United States was female (1); an estimated 46% of all physicians-in-training and more than half of all medical students are women (2). Although women have made substantial progress in these areas, much remains to be done to improve eq-

fessors, 15% of department chairs, and 16% of deans (6). This lack of female physicians in leadership positions has traditionally been believed to be a pipeline problem; however, because women have made up roughly half of medical student graduates for years, the systematic origins of this problem are becoming more



#### **Annals of Internal Medicine**

### Position Paper

Achieving Gender Equity in Physician Compensation and **Physicians** 

Renee Butkus, BA; Joshua Health and Public Policy Co

Career Advance "Although progress has been made College of toward gender diversity in the physician workforce, disparities in iompson Hingle, MD; for the compensation exist and inequities

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- American college of physicians

2018 position paper

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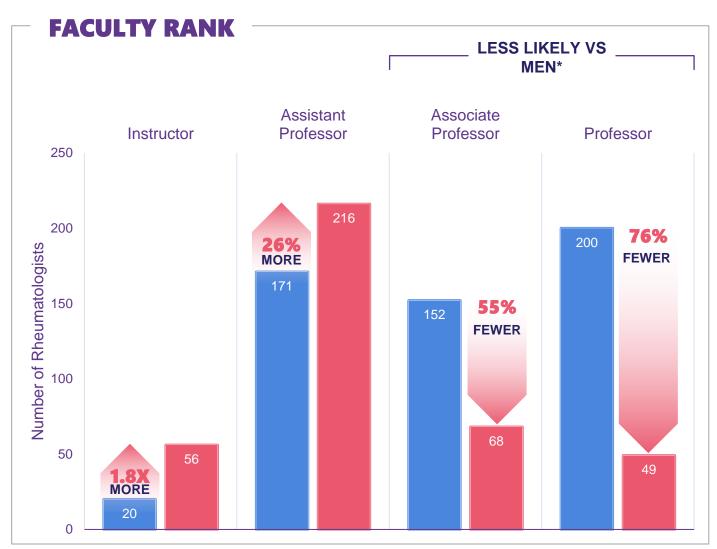


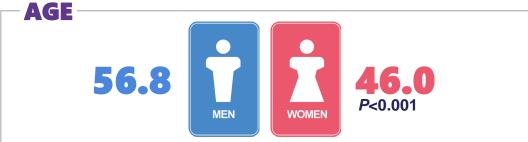
## **Gender Equity**

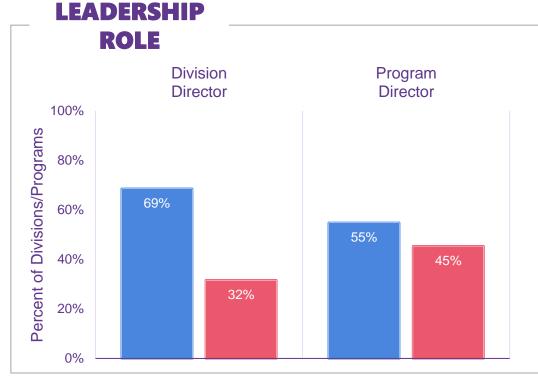


## **Gender Disparities in Academic Rheumatology**



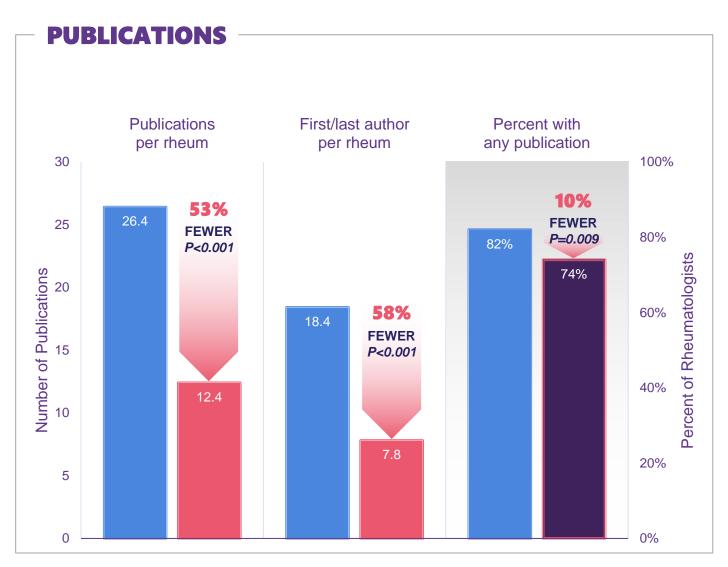


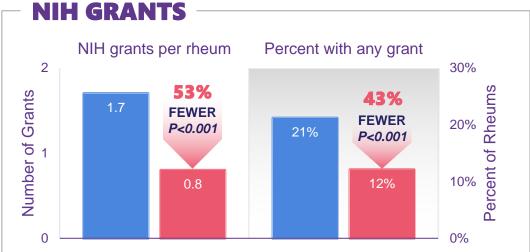


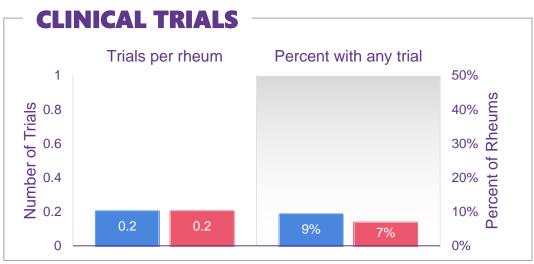


## **Gender Disparities in Academic Rheumatology**









Medical School over 50% Female

Physicians in Training 46% Female

Workforce greater than 33% Female

**STATS** 

Medical School Faculty 38% Female

25.6% of full Professorships

18% of clinical sciences
Department
Chairs

17% Dean positions

Have fewer publications, NIH grants

"ACADEMIC MEDICINE BOASTS A
WEALTH OF ACCOMPLISHED FEMALE
PHYSICIANS, SCIENTISTS, AND
EDUCATORS, BUT THEY ARE HITTING
THE GLASS CEILING WHEN THEY TRY
TO ADVANCE TO FULL PROFESSORS,
DEPARTMENT CHAIRS, DEANS, AND
HOSPITAL CHIEFS."1

- DARRELL G KIRCH, MD

PRESIDENT EMERITUS

AMERICAN ASSOCIATION OF MEDICAL COLLEGES



## **Shifting Sands Brought by the Pandemic**



Challenges Faced By Women In Academia<sup>1</sup>



#### **ACADEMIC/PROFESSIONAL DEVELOPMENT SUFFERS**







LESS ABLE TO PARTICIPATE IN VIRTUAL CONFERENCES

INCREASED HOUSEHOLD/ FAMILY DEMANDS



UNEQUAL DIVISION OF FAMILY CARE AND HOUSEHOLD CHORES

## Watchout for Burnout



#### **BURNOUT**

"A state of physical, emotional or mental exhaustion combined with doubts about your competence and the value of your work" 1





"...ANY PROGRESS THAT HAS BEEN MADE
TOWARD CLOSING THE GENDER GAP IN
ACADEMIC MEDICINE WILL **NOT ONLY STALL** 

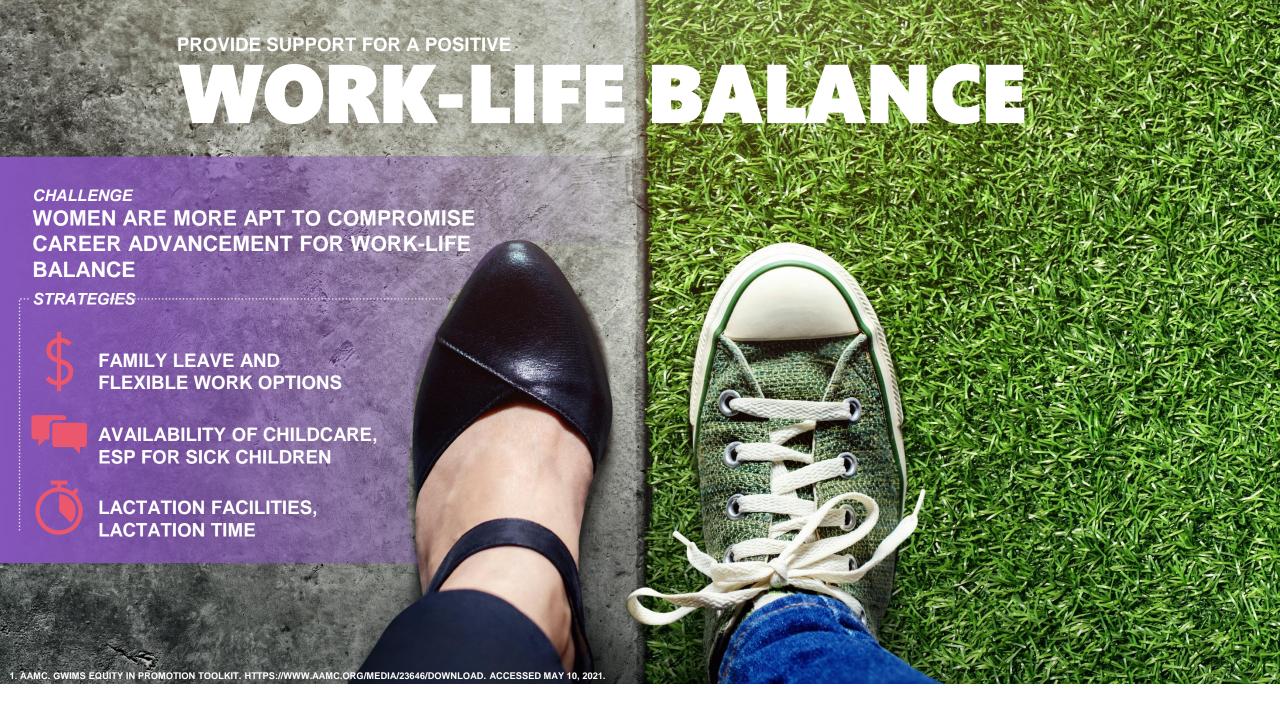
**BUT ULTIMATELY REGRESS** AT A TIME WHEN IT

IS PERHAPS NEEDED THE MOST."1

NOW MORE THAN EVER

## ACP Position Statement: Academic institutions should take steps to increase the number of women in practice, faculty, and leadership positions and structure equal access to opportunities, including:

- a. Encouraging mentorship and sponsorship and providing training for faculty on how to be effective mentors and sponsors.
- b. Coaching and development programs.
- c. Flexibility in structuring career paths in academic medicine, health systems, and private practice and adopting flexible promotion and advancement criteria, including promotion tracks that reflect the wide range of responsibilities and unique contributions of female physicians.
- d. Requiring the inclusion of female physicians as job candidates and members of search committees.
- e. Ensuring diversity, including gender diversity, on all committees, councils, and boards through leadership development to ensure inclusion, comprehensiveness, and mechanisms for accountability.



# Implicit Bias

"The attitudes or stereotypes that affect our understanding, actions, and decisions in an unconscious manner. Activated involuntarily, without awareness or intentional control. Can be either positive or negative.

Everyone is susceptible."1



**OVERCOME** 

# IMPLICIT BIAS

### CHALLENGE

Implicit bias and discrimination can affect both hiring and promotion

#### STRATEGIE



Train on implicit bias



Expand search pool to include more women



**Ensure search committees are diverse** 

**ESTABLISH A POSITIVE ENVIRONMENT AND SUPPORTIVE** 

## NETWORK

### **CHALLENGE**

Women may lack an inclusive environment as well as a supportive network

#### STRATEGIES



Host networking events



**Establish a welcoming environment** 



There are fewer opportunities for women to participate in scholarly activities

### STRATEGIE



Support authorship



Support grant writing



Petition editors for balance in reviewers and authorship

### MAKE AN APPROPRIATE CASE FOR

### PROMOTION

### CHALLENGE

Women are less likely to get their first promotion as well as receive a requested raise

#### **STRATEGIES**



Train on negotiation skills

Identifying mentors and sponsors



Set goals towards promotions

1. AAMC. GWIMS EQUITY IN PROMOTION TOOLKIT. HTTPS://WWW.AAMC.ORG/MEDIA/23646/DOWNLOAD. ACCESSED MAY 10, 2021.

**CREATE A LEADERSHIP** 

### PIPELINE



Women face ineffective paths to leadership commonly blocked by bias

#### **STRATEGIES**



SUPPORT PARTICIPATION IN ASSOCIATION MEETINGS



PROVIDE INSTITUTIONAL LEADERSHIP OPPORTUNITIES



CONDUCT SUCCESSION PLANNING TO PREPARE WOMEN FOR LEADERSHIP





Intersectionality
Race & Ethnicity
Gender LGBTQIA+



### Women in Medicine-Rheumatology

# **Building in Shifting Sand**

**Leading the Way in Inclusion and Diversity** 





### **GENDER EQUITY SURVEY**



https://survey.zohopublic.com/zs/5cbumd

