

Table of Contents

Supplemental Digital Appendix 1	2
Supplemental Digital Appendix 2	11
Supplemental Digital Appendix 3	50
Supplemental Digital Appendix 4	89
Supplemental Digital Appendix 5	90
Supplemental Digital Appendix 6	91

Supplemental Digital Appendix 1

Search Strategy

Searches last run on 8/17/2022.

Database	Date Range of Database	Number of Citations
Ovid Embase	1974 to 8/17/2022	2786
Ovid Medline All	1946 to 8/17/2022	1479
Scopus	1823 to 8/17/2022	1047
Web of Science Core Collection	1900 to 8/17/2022	852
PubMed	1946 to 8/17/2022	481
Cochrane Library	1980 to 8/17/2022	3
Google Scholar	-	173
Academic Search Premier	1930 to 8/17/2022	124
ERIC	1966 to 8/17/2022	290
GenderWatch	1970 to 8/17/2022	56

Ovid Embase

- 1 exp sex difference/
- 2 "gender and sex"/
- 3 exp gender equity/
- 4 exp sexism/
- 5 exp sex role/

- 6 (gender* or sex or female or male or femini* or masculin*).ti.
- 7 ((gender* or sex*) adj1 (difference* or characteristics* or factor* or based or bias or equit* or inequit* or role* or unequal* or discrimination or injustice* or justice* or prejudice*)).tw,kf.
- 8 ((female or male or femini* or masculin*) adj1 (bias or equit* or inequit* or unequal* or discrimination or injustice* or justice* or prejudice*)).tw,kf.
- 9 (sexism* or sexist*).tw,kf.
- 10 or/1-9
- 11 exp academic achievement/
- 12 exp career mobility/
- 13 exp productivity/
- 14 ((academic or school) adj3 (performance or achieve* or behavior* or behaviour* or rank* or success* or failure* or underachieve* or overachieve*)).tw,kf.
- 15 ((career or occupation* or job or professional) adj3 (advancement* or mobilit* or climbing or performance* or success* or failure* or achieve* or overachieve* or underachieve* or duration* or growth* or opportunity*)).tw,kf.
- 16 (promotion* or productivity or dean* or chief* or leader* or executive board* or editor* or editorial board* or publication* or h-index or h-indices or grant* or funding* or chair*).tw,kf.
- 17 ((career* or research* or clinical* or education*) adj3 (track* or path*)).tw,kf.
- 18 or/11-17
- 19 10 and 18
- 20 exp medical education/
- 21 exp medical school/
- 22 exp university hospital/
- 23 exp medical research/
- 24 ((clinical or academic or medical) adj3 (professor* or teacher* or faculty)).tw,kf.
- 25 (academic adj3 medicine).tw,kf.
- 26 or/20-25
- 27 19 and 26

Ovid MEDLINE(R) ALL

- 1 exp Sex Characteristics/
- 2 Gender Equity/
- 3 Sexism/

- 4 gender role/
- 5 (gender* or sex or female or male or femini* or masculin*).ti.
- 6 ((gender* or sex*) adj1 (difference* or characteristics* or factor* or based or bias or equit* or inequit* or role* or unequal* or discrimination or injustice* or justice* or prejudice*)).tw,kf.
- 7 ((female or male or femini* or masculin*) adj1 (bias or equit* or inequit* or unequal* or discrimination or injustice* or justice* or prejudice*)).tw,kf.
- 8 (sexism* or sexist*).tw,kf.
- 9 or/1-8
- 10 academic success/
- 11 career mobility/
- 12 Efficiency/
- 13 ((academic or school) adj3 (performance or achieve* or behavior* or behaviour* or rank* or success* or failure* or underachieve* or overachieve*)).tw,kf.
- 14 ((career or occupation* or job or professional) adj3 (advancement* or mobilit* or climbing or performance* or success* or failure* or achieve* or overachieve* or underachieve* or duration* or growth* or opportunity*)).tw,kf.
- 15 (promotion* or productivity or dean* or chief* or leader* or executive board* or editor* or editorial board* or publication* or h-index or h-indices or grant* or funding* or chair*).tw,kf.
- 16 ((career* or research* or clinical* or education*) adj3 (track* or path*)).tw,kf.
- 17 or/10-16
- 18 9 and 17
- 19 exp Education, Medical/
- 20 exp Schools, Medical/
- 21 Hospitals, University/
- 22 Biomedical Research/
- 23 ((clinical or academic or medical) adj3 (professor* or teacher* or faculty)).tw,kf.
- 24 (academic adj3 medicine).tw,kf.
- 25 or/19-24
- 26 18 and 25

Scopus

(TITLE (gender* OR sex OR female OR male OR femini* OR masculin*) OR TITLE-ABS-KEY ((gender* OR sex*) W/1 (difference* OR characteristics* OR factor* OR based OR bias OR equit* OR inequit* OR role* OR unequal* OR discrimination OR injustice* OR justice* OR prejudice*)) OR TITLE-ABS-KEY ((female OR male OR femini* OR masculin*) W/1 (bias OR equit* OR inequit* OR unequal* OR discrimination OR injustice* OR justice* OR prejudice*)) OR TITLE-ABS-KEY (sexism* OR sexist*)) AND (TITLE-ABS-KEY ((academic OR school) W/3 (performance OR achieve* OR behavior* OR behaviour* OR rank* OR success* OR failure* OR underachieve* OR overachieve*)) OR TITLE-ABS-KEY ((career OR occupation* OR job OR professional) W/3 (advancement* OR mobilit* OR climbing OR performance* OR success* OR failure* OR achieve* OR overachieve* OR underachieve* OR duration* OR growth* OR opportunity*)) OR TITLE-ABS-KEY (promotion* OR productivity OR dean* OR chief* OR leader* OR "executive board*" OR editor* OR "editorial board*" OR publication* OR h-index OR h-indices OR grant* OR funding* OR chair*) OR TITLE-ABS-KEY ((career* OR research* OR clinical* OR education*) W/3 (track* OR path*))) AND (TITLE-ABS-KEY ((clinical OR academic OR medical) W/3 (professor* OR teacher* OR faculty)) OR TITLE-ABS-KEY (academic W/3 medicine))

Web of Science Core Collection

#1 TI=(gender* or sex or female or male or femini* or masculin*) or TS=((gender* or sex*) near/1 (difference* or characteristics* or factor* or based or bias or equit* or inequit* or role* or unequal* or discrimination or injustice* or justice* or prejudice*)) or TS=((female or male or femini* or masculin*) near/1 (bias or equit* or inequit* or unequal* or discrimination or injustice* or justice* or prejudice*)) or TS=(sexism* or sexist*)

#2 TS=((academic or school) near/3 (performance or achieve* or behavior* or behaviour* or rank* or success* or failure* or underachieve* or overachieve*)) or TS=((career or occupation* or job or professional) near/3 (advancement* or mobilit* or climbing or performance* or success* or failure* or achieve* or overachieve* or underachieve* or duration* or growth* or opportunity*)) or TS=(promotion* or productivity or dean* or chief* or leader* or "executive board*" or editor* or "editorial board*" or publication* or h-index or h-indices or grant* or funding* or chair*) or TS=((career* or research* or clinical* or education*) near/3 (track* or path*))

#3 TS=((clinical or academic or medical) near/3 (professor* or teacher* or faculty)) or TS=(academic near/3 medicine)

#4 #1 and #2 and #3

PubMed

((performance[Title/Abstract] OR achieve*[Title/Abstract] OR behavior*[Title/Abstract] OR behaviour*[Title/Abstract] OR rank*[Title/Abstract] OR success*[Title/Abstract] OR failure*[Title/Abstract] OR underachieve*[Title/Abstract] OR

overachieve*[Title/Abstract])) OR (promotion*[Title/Abstract] OR productivity[Title/Abstract] OR dean*[Title/Abstract] OR chief*[Title/Abstract] OR leader*[Title/Abstract] OR "executive board"[Title/Abstract] OR editor*[Title/Abstract] OR "editorial board"[Title/Abstract] OR publication*[Title/Abstract] OR h-index[Title/Abstract] OR h-indices[Title/Abstract] OR grant*[Title/Abstract] OR funding*[Title/Abstract] OR chair*[Title/Abstract] OR career[Title/Abstract] OR advancement*[Title/Abstract] OR success*[Title/Abstract] OR failure*[Title/Abstract] OR growth*[Title/Abstract] OR opportunit*[Title/Abstract] OR)) AND (Clinical professor*[Title/Abstract] OR clinical teacher*[Title/Abstract] OR clinical faculty[Title/Abstract] OR academic professor*[Title/Abstract] OR academic teacher*[Title/Abstract] OR academic faculty[Title/Abstract] OR medical professor*[Title/Abstract] OR medical teacher*[Title/Abstract] OR medical faculty[Title/Abstract] OR academic medicine[Title/Abstract])) AND (((gender*[Title] OR sex[Title] OR female[Title] OR male[Title] OR femini*[Title] OR masculin*[Title]) OR (Sex* difference*[Title/Abstract] OR Sex* characteristics*[Title/Abstract] OR Sex* factor*[Title/Abstract] OR Sex* based[Title/Abstract] OR Sex* bias[Title/Abstract] OR Sex* equit*[Title/Abstract] OR Sex* inequit*[Title/Abstract] OR Sex* role*[Title/Abstract] OR Sex* unequal*[Title/Abstract] OR Sex* discrimination[Title/Abstract] OR Sex* injustice*[Title/Abstract] OR Sex* justice*[Title/Abstract] OR Sex* prejudice*[Title/Abstract] OR Gender* difference*[Title/Abstract] OR Gender* characteristics*[Title/Abstract] OR Gender* factor*[Title/Abstract] OR Gender* based[Title/Abstract] OR Gender* bias[Title/Abstract] OR Gender* equit*[Title/Abstract] OR Gender* inequit*[Title/Abstract] OR Gender* role*[Title/Abstract] OR Gender* unequal*[Title/Abstract] OR Gender* discrimination[Title/Abstract] OR Gender* injustice*[Title/Abstract] OR Gender* justice*[Title/Abstract] OR Gender* prejudice*[Title/Abstract])) OR (sexism*[Title/Abstract] OR sexist*[Title/Abstract])) OR (Fem* bias[Title/Abstract] OR Fem* equit*[Title/Abstract] OR Fem* inequit*[Title/Abstract] OR Fem* unequal*[Title/Abstract] OR Fem* discrimination[Title/Abstract] OR Fem* injustice*[Title/Abstract] OR Fem* justice*[Title/Abstract] OR Fem* prejudice*[Title/Abstract] OR male bias[Title/Abstract] OR male equit*[Title/Abstract] OR male inequit*[Title/Abstract] OR male unequal*[Title/Abstract] OR male discrimination[Title/Abstract] OR male injustice*[Title/Abstract] OR male justice*[Title/Abstract] OR male prejudice*[Title/Abstract] OR masculin* bias[Title/Abstract] OR masculin* equit*[Title/Abstract] OR masculin* inequit*[Title/Abstract] OR masculin* unequal*[Title/Abstract] OR masculin* discrimination[Title/Abstract] OR masculin* injustice*[Title/Abstract] OR masculin* justice*[Title/Abstract] OR masculin* prejudice*[Title/Abstract]))

Cochrane Library

#1 (gender* or sex or female or male or femini* or masculin*):ti or ((gender* or sex*) near/1 (difference* or characteristics* or factor* or based or bias or equit* or inequit* or role* or unequal* or discrimination or injustice* or justice* or prejudice*)):ti,ab or

((female or male or femini* or masculin*) near/1 (bias or equit* or inequit* or unequal* or discrimination or injustice* or justice* or prejudice*)):ti,ab or (sexism* or sexist*):ti,ab

#2 ((academic or school) near/3 (performance or achieve* or behavior* or behaviour* or rank* or success* or failure* or underachieve* or overachieve*)):ti,ab or ((career or occupation* or job or professional) near/3 (advancement* or mobilit* or climbing or performance* or success* or failure* or achieve* or overachieve* or underachieve* or duration* or growth* or opportunity*)):ti,ab or (promotion* or productivity or dean* or chief* or leader* or "executive board*" or editor* or "editorial board*" or publication* or h-index or h-indices or grant* or funding* or chair*):ti,ab or ((career* or research* or clinical* or education*) near/3 (track* or path*)):ti,ab

#3 ((clinical or academic or medical) near/3 (professor* or teacher* or faculty)):ti,ab or (academic near/3 medicine):ti,ab

#4 #1 and #2 and #3

Google Scholar

gender disparities academic medicine

Academic Search Premier

S1 TI (gender* or sex or female or male or femini* or masculin*)

S2 TI (gender* or sex*) AND TI (difference* or characteristics* or factor* or based or bias or equit* or inequit* or role* or unequal* or discrimination or injustice* or justice* or prejudice*)

S3 AB (gender* or sex*) AND AB (difference* or characteristics* or factor* or based or bias or equit* or inequit* or role* or unequal* or discrimination or injustice* or justice* or prejudice*)

S4 TI (female or male or femini* or masculin*) AND TI (bias or equit* or inequit* or unequal* or discrimination or injustice* or justice* or prejudice*)

S5 AB (female or male or femini* or masculin*) AND AB (bias or equit* or inequit* or unequal* or discrimination or injustice* or justice* or prejudice*)

S6 TI (sexism* or sexist*) OR AB (sexism* or sexist*)

S7 S1 or S2 or S3 or S4 or S5 or S6

S8 TI (academic or school) AND TI (performance or achieve* or behavior* or behaviour* or rank* or success* or failure* or underachieve* or overachieve*)

S9 AB (academic or school) AND AB (performance or achieve* or behavior* or behaviour* or rank* or success* or failure* or underachieve* or overachieve*)

S10 TI (career or occupation* or job or professional) AND TI (advancement* or mobilit* or climbing or performance* or success* or failure* or achieve* or overachieve* or underachieve* or duration* or growth* or opportunity*)

S11 AB (career or occupation* or job or professional) AND AB (advancement* or mobilit* or climbing or performance* or success* or failure* or achieve* or overachieve* or underachieve* or duration* or growth* or opportunity*)

S12 TI (promotion* or productivity or dean* or chief* or leader* or "executive board*" or editor* or "editorial board*" or publication* or h-index or h-indices or grant* or funding* or chair*) OR AB (promotion* or productivity or dean* or chief* or leader* or "executive board*" or editor* or "editorial board*" or publication* or h-index or h-indices or grant* or funding* or chair*)

S13 TI (career* or research* or clinical* or education*) AND TI (track* or path*)

S14 AB (career* or research* or clinical* or education*) AND AB (track* or path*)

S15 S8 or S9 or S10 or S11 or S12 or S13 or S14

S16 TI (clinical or academic or medical) AND TI (professor* or teacher* or faculty)

S17 AB (clinical or academic or medical) AND AB (professor* or teacher* or faculty)

S18 TI academic medicine OR AB academic medicine

S19 S16 or S17 or S18

S20 S7 and S15 and S19

ERIC

S1 TI (gender* or sex or female or male or femini* or masculin*)

S2 TI (gender* or sex*) AND TI (difference* or characteristics* or factor* or based or bias or equit* or inequit* or role* or unequal* or discrimination or injustice* or justice* or prejudice*)

S3 AB (gender* or sex*) AND AB (difference* or characteristics* or factor* or based or bias or equit* or inequit* or role* or unequal* or discrimination or injustice* or justice* or prejudice*)

S4 TI (female or male or femini* or masculin*) AND TI (bias or equit* or inequit* or unequal* or discrimination or injustice* or justice* or prejudice*)

S5 AB (female or male or femini* or masculin*) AND AB (bias or equit* or inequit* or unequal* or discrimination or injustice* or justice* or prejudice*)

S6 TI (sexism* or sexist*) OR AB (sexism* or sexist*)

S7 S1 or S2 or S3 or S4 or S5 or S6

S8 TI (academic or school) AND TI (performance or achieve* or behavior* or behaviour* or rank* or success* or failure* or underachieve* or overachieve*)
 S9 AB (academic or school) AND AB (performance or achieve* or behavior* or behaviour* or rank* or success* or failure* or underachieve* or overachieve*)
 S10 TI (career or occupation* or job or professional) AND TI (advancement* or mobilit* or climbing or performance* or success* or failure* or achieve* or overachieve* or underachieve* or duration* or growth* or opportunity*)
 S11 AB (career or occupation* or job or professional) AND AB (advancement* or mobilit* or climbing or performance* or success* or failure* or achieve* or overachieve* or underachieve* or duration* or growth* or opportunity*)
 S12 TI (promotion* or productivity or dean* or chief* or leader* or "executive board*" or editor* or "editorial board*" or publication* or h-index or h-indices or grant* or funding* or chair*) OR AB (promotion* or productivity or dean* or chief* or leader* or "executive board*" or editor* or "editorial board*" or publication* or h-index or h-indices or grant* or funding* or chair*)
 S13 TI (career* or research* or clinical* or education*) AND TI (track* or path*)
 S14 AB (career* or research* or clinical* or education*) AND AB (track* or path*)
 S15 S8 or S9 or S10 or S11 or S12 or S13 or S14
 S16 TI (clinical or academic or medical) AND TI (professor* or teacher* or faculty)
 S17 AB (clinical or academic or medical) AND AB (professor* or teacher* or faculty)
 S18 TI academic medicine OR AB academic medicine
 S19 S16 or S17 or S18
 S20 S7 and S15 and S19

GenderWatch

S1 TI (gender* or sex or female or male or femini* or masculin*)
 S2 TI (gender* or sex*) AND TI (difference* or characteristics* or factor* or based or bias or equit* or inequit* or role* or unequal* or discrimination or injustice* or justice* or prejudice*)
 S3 AB (gender* or sex*) AND AB (difference* or characteristics* or factor* or based or bias or equit* or inequit* or role* or unequal* or discrimination or injustice* or justice* or prejudice*)
 S4 TI (female or male or femini* or masculin*) AND TI (bias or equit* or inequit* or unequal* or discrimination or injustice* or justice* or prejudice*)

S5 AB (female or male or femini* or masculin*) AND AB (bias or equit* or inequit* or unequal* or discrimination or injustice* or justice* or prejudice*)
S6 TI (sexism* or sexist*) OR AB (sexism* or sexist*)
S7 S1 or S2 or S3 or S4 or S5 or S6
S8 TI (academic or school) AND TI (performance or achieve* or behavior* or behaviour* or rank* or success* or failure* or underachieve* or overachieve*)
S9 AB (academic or school) AND AB (performance or achieve* or behavior* or behaviour* or rank* or success* or failure* or underachieve* or overachieve*)
S10 TI (career or occupation* or job or professional) AND TI (advancement* or mobilit* or climbing or performance* or success* or failure* or achieve* or overachieve* or underachieve* or duration* or growth* or opportunity*)
S11 AB (career or occupation* or job or professional) AND AB (advancement* or mobilit* or climbing or performance* or success* or failure* or achieve* or overachieve* or underachieve* or duration* or growth* or opportunity*)
S12 TI (promotion* or productivity or dean* or chief* or leader* or "executive board*" or editor* or "editorial board*" or publication* or h-index or h-indices or grant* or funding* or chair*) OR AB (promotion* or productivity or dean* or chief* or leader* or "executive board*" or editor* or "editorial board*" or publication* or h-index or h-indices or grant* or funding* or chair*)
S13 TI (career* or research* or clinical* or education*) AND TI (track* or path*)
S14 AB (career* or research* or clinical* or education*) AND AB (track* or path*)
S15 S8 or S9 or S10 or S11 or S12 or S13 or S14
S16 TI (clinical or academic or medical) AND TI (professor* or teacher* or faculty)
S17 AB (clinical or academic or medical) AND AB (professor* or teacher* or faculty)
S18 TI academic medicine OR AB academic medicine
S19 S16 or S17 or S18
S20 S7 and S15 and S19

Supplemental Digital Appendix 2

List of Excluded Studies by Full-text Review

First Authors Last Name	Year	Title	Journal	Reason for Exclusion
Abbuhl	2010	Examining faculty awards for gender equity and evolving values	J Gen Intern Med	Wrong outcomes
Abdellatif	2019	Leadership Gender Disparity Within Research-Intensive Medical Schools: A Transcontinental Thematic Analysis	J Contin Educ Health Prof	Wrong outcomes
Abebe	2021	Gender Equality in Academics: Are we there?	Ethiopian Journal of Health Development	Wrong study population
Adami	2020	Gender disparity in authorship of guidelines and recommendations in rheumatology	Annals of the Rheumatic Diseases	Wrong outcomes
Agboola	2014	Leadership, faculty, and residents' gender in academic emergency medicine departments	Academic Emergency Medicine	Wrong outcomes
Akabas	2019	The national MD-PhD program outcomes study: Outcomes variation by sex, race, and ethnicity	JCI Insight	Wrong outcomes
Albahari	2020	Gender gap in mental health research productivity: Results from Qatar	Asian J Psychiatr	Wrong outcomes
Aleixandre-Benavent	2007	[Gender analysis of papers published in Revista de Neurologia (2002-2006)]	Revista de Neurologia	Wrong outcomes
Al-Lami	2020	Faculty Diversity at Academic Surgical Meetings- Opportunity for Action?	Journal of Gastrointestinal Surgery	Wrong outcomes
Allan	2021	Gender discrepancies in pediatric hospital medicine leadership	Pediatrics	Wrong outcomes
Allan	2021	Gender Distribution in Pediatric Hospital Medicine Leadership	Journal of Hospital Medicine	Wrong outcomes
Aluko	2015	Gender trends in obstetrics and gynecology department-based leadership roles across American college of obstetricians and gynecologists districts	Obstetrics and Gynecology	Wrong outcomes
Amaya	2019	Gender disparities in scientific production: A nationwide assessment among physicians in Peru	PLoS ONE	Quantitative data not supplied
Amering	2011	The gender gap in high-impact psychiatry journals	Acad Med	Wrong outcomes

Amrein	2011	Women Underrepresented on Editorial Boards of 60 Major Medical Journals	Gend. Med.	Wrong outcomes
Anderson	2020	Demographics in general surgery programs: Relationship between female faculty and proportion of female residents	Am J Surg	Wrong comparator
Andry	2019	An Analysis of Female Plastic Surgery Authorship: Where Are We Today?	Plast. Reconstr. Surg.	Wrong outcomes
Answine	2020	Association between gender, scholarly impact, and national institutes of health funding of united states academic ophthalmologists	Investigative Ophthalmology and Visual Science. Conference	Wrong outcomes
Appel-Cresswell	2019	Gender and funding success	The Lancet	Wrong outcomes
Armijo	2021	Citizenship tasks and women physicians: Additional woman tax in academic medicine?	Journal of Women's Health	Wrong study design
Armstrong	2020	Gender distribution of chairs and speakers in programmed and non-programmed symposia in the critical care assembly	American Journal of Respiratory and Critical Care Medicine.	Wrong outcomes
Arrizabalaga	2014	Gender inequalities in the medical profession: are there still barriers to women physicians in the 21st century?	Gac. Sanit.	Wrong outcomes
Arthurs	2016	Female representation in leadership roles: Results from the Supporting Women in Gastroenterology (SWIG) survey	Gut	Wrong outcomes
Arya	2022	An analysis of gender disparities amongst United States medical students, general surgery residents, vascular surgery trainees, and the vascular surgery workforce	J Vasc Surg	Not original research
Athanasίου	2016	Mentoring perception, scientific collaboration and research performance: is there a 'gender gap' in academic medicine? An Academic Health Science Centre perspective	Postgrad Med J	Wrong study design
Atkinson	1996	Research productivity among PhD faculty members and affiliates responding to the Canadian Association	Canadian Journal of Psychiatry - Revue Canadienne de Psychiatrie	Wrong study population

		of Professors of Psychiatry and Canadian Psychiatric Association survey		
Azer	2018	What can we learn from top-cited articles in inflammatory bowel disease? A bibliometric analysis and assessment of the level of evidence	BMJ Open	Wrong outcomes
Azizi	2021	Leadership gender disparity in the fifty highest ranking North American universities: Thematic analysis under a theoretical lens	Postgraduate Medical Journal	Wrong study population
Baecher-Lind	2012	Women in leadership positions within obstetrics and gynecology: Does the past explain the present?	Obstetrics and Gynecology	Wrong outcomes
Baethge	2008	First authors in Deutsches Arzteblatt: women are catching up. The number of female authors in medical literature is increasing, but is still considerably lower than that of male authors and corresponds to the proportion of women working in academic medici	Dtsch Arztebl Int	Quantitative data not supplied
Bagga	2021	Representation of Women as Authors of Rheumatology Research Articles	Arthritis and Rheumatology	Wrong outcomes
Baker	2006	Women as radiologists: are there barriers to entry and advancement?	J	Wrong outcomes
Bankston	2020	Characterizing the Landscape of Academic Female Radiation Oncologists	International Journal of Radiation Oncology Biology Physics	Wrong outcomes
Barinsky	2021	Gender Representation at Conferences, Executive Boards, and Program Committees in Otolaryngology	Laryngoscope	Wrong outcomes
Barnett	1998	Relationships of gender and career motivation to medical faculty members' production of academic publications	Acad Med	Wrong outcomes
Barringer	2020	188 Does Sex Bias Impact Faculty Clinical Teaching Awards?	Annals of Emergency Medicine	Wrong outcomes
Battaglia	2018	Academic General Surgery: Influences for Gender Disparity in North America	Journal of the American College of Surgeons	Quantitative data not supplied
Bedi	2012	Gender inequality in awarded research grants	The Lancet	Wrong outcomes

Beeler	2020	Visiting Professorship in Academic Radiation Oncology	International Journal of Radiation Oncology, Biology, Physics	Wrong study population
Bellini	2001	Stresses and workplace resources for academic junior faculty: Track and gender comparisons	Academic Medicine	Wrong study population
Bendels	2017	Gender equality in academic research on epilepsy-a study on scientific authorships	Epilepsia	Wrong outcomes
Bendels	2018	[The gender gap in highest quality medical research - A scientometric analysis of the representation of female authors in highest impact medical journals]	Dtsch Med Wochenschr	Wrong outcomes
Bennett	2020	Two decades of little change: An analysis of U.S. medical school basic science faculty by sex, race/ethnicity, and academic rank	PLoS ONE	Quantitative data not supplied
Bennett	2022	How we compare: Society for Academic Emergency Medicine faculty membership demographics	AEM Educ. Train.	Duplicate data
Berlin	2021	Training specialties in spine surgery: Are there gender differences?-Comparison with a 'female' medical specialty	European Spine Journal	Wrong outcomes
Bernardi	2020	Gender Disparity Among Surgical Peer-Reviewed Literature	Journal of Surgical Research	Wrong outcomes
Bernardi	2020	Gender Disparity in Authorship of Peer-Reviewed Medical Publications	American Journal of the Medical Sciences	Wrong outcomes
Berriochoa	2020	Gender, Subspecialty, and Leadership Roles in U.S. Academic Radiation Oncology Programs	International Journal of Radiation Oncology Biology Physics	Wrong outcomes
Bevilacqua	2022	Gender disparities among leadership in academic surgical publishing over the past decade	The American Journal of	Wrong outcomes
Bhattacharyya	2000	Increased female authorship in otolaryngology over the past three decades	Laryngoscope	Wrong outcomes
Blazey-Martin	2017	Lower Rates of Promotion of Generalists in Academic Medicine: A Follow-up to the National Faculty Survey	JGIM: Journal of General Internal Medicine	Wrong comparator
Blumenthal	2019	Sex Differences in Academic Allergy/Immunology	Journal of Allergy and Clinical Immunology	Duplicate data

Boudreau	1997	Should Faculty Rank Be Included as a Predictor Variable in Studies of Gender Equity in University Faculty Salaries?	Research in Higher Education	Wrong study population
Bowles	2007	Gender differences regarding career issues and promotion in academic physical medicine and rehabilitation	Am J Phys Med Rehabil	Quantitative data not supplied
Brafman	2014	Revisiting the status of women in academic emergency medicine	Academic Emergency Medicine	Quantitative data not supplied
Breyer	2018	Is there a gender or racial promotion disparity in academic urology?	Journal of Urology	Duplicate data
Brower	2020	Research performance and age explain less than half of the gender pay gap in New Zealand universities	PLoS ONE	Quantitative data not supplied
Brown	2018	Surgical gender gap: a curriculum concordance and career vector perspective	Postgrad Med J	Wrong study population
Brown	2020	Despite Growing Number of Women Surgeons, Authorship Gender Disparity in Orthopaedic Literature Persists Over 30 Years	Clinical Orthopaedics & Related Research	Wrong outcomes
Brubaker	2022	Promotion of gender equity in obstetrics and gynecology: principles and practices for academic leaders	American Journal of Obstetrics and Gynecology	Not original research
Bruggmann	2017	An index to characterize female career promotion in academic medicine	Journal of Occupational Medicine and Toxicology	Quantitative data not supplied
Bucknor	2019	International and Geographic Trends in Gender Authorship within Plastic Surgery	Plast. Reconstr. Surg.	Wrong outcomes
Buda	2021	The Sticky Surgical Floor: An Analysis of Female Authorship Trends in Vascular Surgery	J Vasc Surg	Wrong outcomes
Buda	2022	Analysis of authorship trends in vascular surgery demonstrates a sticky surgical floor for women	Journal of Vascular Surgery	Wrong outcomes
Budde	2015	Does gender matter in publication productivity among colorectal surgeons participating in fellowship training programs?	Journal of the American College of Surgeons	Wrong outcomes
Bunton	2018	Characteristics of Interim Deans at U.S. Medical Schools: Implications for Institutions and Individuals	Academic Medicine	Wrong outcomes

Burden	2015	Gender disparities in leadership and scholarly productivity of academic hospitalists	Journal of Hospital Medicine (Online)	Wrong outcomes
Burgos	2021	Gender Equity Imbalance in Cardiology Scientific Sessions in the Americas	Current Problems in Cardiology	Wrong outcomes
Burns	2019	Gender differences in grant and personnel award funding rates at the Canadian Institutes of Health Research based on research content area: A retrospective analysis	PLoS Medicine / Public Library of Science	Wrong outcomes
Carr	1992	Research, academic rank, and compensation of women and men faculty in academic general internal medicine	J Gen Intern Med	Quantitative data not supplied
Carr	2021	Diversity in otorhinolaryngology society leadership	Otolaryngology - Head and Neck Surgery	Wrong outcomes
Catenaccio	2022	Addressing Gender-Based Disparities in Earning Potential in Academic Medicine	JAMA Network Open	Wrong outcomes
Cervia	2017	Women in Science: The Persistence of Traditional Gender Roles. A Case Study on Work-Life Interface	European Educational Research Journal	Quantitative data not supplied
Chaiyachati	2019	Gender Differences in Retention and Promotion Among Generalists Who Graduated From Research-Intensive Fellowships	J Grad Med Educ	Quantitative data not supplied
Chambers	2018	Women in Orthopaedic Surgery Population Trends in Trainees and Practicing Surgeons	Journal of Bone and Joint Surgery-American Volume	Quantitative data not supplied
Chang	2020	Has breast surgery shattered the glass ceiling? Trends in female representation at the american society of breast surgeons annual meeting from 2009-2019	Annals of Surgical Oncology	Wrong outcomes
Chary	2021	Gender disparity in critical care publications: a novel Female First Author Index	Annals of Intensive Care	Wrong outcomes
Chatterjee	2021	Gender Disparity in Citations in High-Impact Journal Articles	JAMA netw	Wrong outcomes
Chen	2010	Examining the role of gender in career advancement at the Centers for Disease Control and Prevention	American Journal of Public Health	Wrong study population
Chen	2020	A Report on the Representation of Women in Academic Plastic Surgery Leadership	Plastic & Reconstructive Surgery	Wrong outcomes

Chen	2022	Trends in Gender Diversity in the Field of Otolaryngology-Head and Neck Surgery in Canada-Reply	JAMA Otolaryngology - Head and Neck Surgery	Not original research
Cheng	2006	Chairperson and faculty gender in academic emergency medicine departments	Acad Emerg Med	Wrong outcomes
Cheng	2016	Trends in National Institutes of Health Funding of Principal Investigators in Dermatology Research by Academic Degree and Sex	JAMA Dermatol	Wrong outcomes
Chevreur	2018	Gender and access to professorships in academic medical settings in France	Med Educ	Quantitative data not supplied
Chopra	2018	Reducing Gender Disparity in Oncologists in India: An Opportunity to Address Workforce Challenges	Clinical Oncology	Wrong outcomes
Chowdhary	2019	It starts at the top: An analysis of female representation in academic medical oncology (MO), radiation oncology (RO), and surgical oncology (SO) program leadership positions	Journal of Clinical Oncology. Conference	Wrong outcomes
Chowdhary	2020	Gender and Racial/Ethnicity Dyad Disparities in Academic Radiation Oncology	International Journal of Radiation Oncology Biology Physics	Wrong outcomes
Chowdhary	2020	Gender disparity among United States academic oncology program leadership	Radiotherapy and Oncology	Wrong outcomes
Chumpitazi	2022	Vision 2020: How Caregiving and Work Productivity Outlook Shifted for Academic Pediatric Faculty	J. Womens Health	Wrong outcomes
Clark	2022	Gender Diversity in the Psychiatric Workforce: It's Still a (White) Man's World in Psychiatry	Psychiatr Clin North Am	Not original research
Clarke	1994	Gender discrimination in the medical profession	Women's Health Issues	Not original research
ClarkeWhalen	2017	Gender equity imbalance in electrocardiology: A call to action	Annals of Noninvasive Electrocardiology	Wrong outcomes
Cook	2021	Gender differences in authorship of obstetrics and gynecology publications during the coronavirus disease 2019 pandemic	American Journal of Obstetrics and Gynecology MFM	Wrong outcomes
Counter	2020	Gender Differences Among Academic Pediatric Radiology Faculty in the United States and Canada	Acad Radiol	Quantitative data not supplied

Crowley	2012	In-training factors predictive of choosing and sustaining a productive academic career path in neurological surgery	Neurosurgery	Quantitative data not supplied
Dalal	2019	Mind the Gap: Gendered Publication Trends in Academic Oncology	International Journal of Radiation Oncology Biology Physics	Wrong outcomes
Das	2021	The Leadership Landscape: Characteristics of Current Faculty in Leadership Positions in Obstetrics and Gynecology Departments	Journal of Minimally Invasive Gynecology	Quantitative data not supplied
Desjardins	2011	Dissecting the workforce and workplace for clinical endocrinology, and the work of endocrinologists early in their careers	Journal of Clinical Endocrinology and Metabolism	Wrong outcomes
Dewan	2007	Gender gap and Indian Academy of Pediatrics: Still a long way to go!	Indian Pediatrics	Wrong outcomes
Diamond	2015	A gender comparison of highly productive academic gastroenterologists	Gastroenterology	Wrong outcomes
Dimitriades	2022	Supporting Careers of Women in Clinical Immunology: From Conceptualization to Implementation	Frontiers in Pediatrics	Quantitative data not supplied
Dominici	2009	So Few Women Leaders	Academe	Quantitative data not supplied
Doyle	2016	Demographic and Personal Characteristics of Male and Female Chairs in Academic Psychiatry	Acad Psychiatry	Wrong outcomes
Duc	2020	Gender Disparity in Vietnamese Radiological Societies: a Preliminary Observational Study	Acta Informatica Medica	Quantitative data not supplied
Dumitra	2019	Gender distribution of invited speakers on panels at The Sages annual meeting	Surgical Endoscopy	Wrong outcomes
Edmunds	2020	Resistance to women in academic medicine	GENDER, SCIENCE AND INNOVATION: New Perspectives	Not original research
Ehrlich	2021	Gender distribution among surgical journals' editorial boards: maintaining momentum of equity	Surgery (United States)	Not original research
Elez	2021	Gender influence on work satisfaction and leadership for medical oncologists: a survey of the Spanish Society of Medical Oncology (SEOM)	ESMO Open	Quantitative data not supplied

Eloy	2013	Gender differences in successful NIH grant funding in otolaryngology	Otolaryngology - Head and Neck Surgery (United States)	Wrong outcomes
Eloy	2015	Academic benchmarks for otolaryngology leaders	Annals of Otology, Rhinology and Laryngology	Wrong outcomes
Eloy	2017	Association of Gender With Financial Relationships Between Industry and Academic Otolaryngologists	JAMA Otolaryngology--Head & Neck Surgery	Wrong outcomes
Eloy	2017	Is Industry Funding Associated with Greater Scholarly Impact Among Academic Neurosurgeons?	World Neurosurg	Wrong outcomes
Emami-Naeini	2022	Sex Differences in Salaries of Academic Ophthalmologists in the United States	JAMA Ophthalmology	Wrong outcomes
Emerson	2015	Gender differences in scholarly productivity within academic gynecologic oncology	Gynecologic Oncology	Duplicate data
Ence	2016	Publication Productivity and Experience: Factors Associated with Academic Rank Among Orthopaedic Surgery Faculty in the United States	Journal of Bone & Joint Surgery - American Volume	Quantitative data not supplied
Enestvedt	2015	The gender distribution of ASGE-sponsored program faculty	Gastrointestinal Endoscopy	Wrong outcomes
Enestvedt	2018	Increase in female faculty in American Society for Gastrointestinal Endoscopy-sponsored programming over time	Gastrointest Endosc	Wrong outcomes
Ennker	1999	The disproportion of female and male surgeons in cardiothoracic surgery	Thoracic & Cardiovascular Surgeon	Wrong outcomes
ErdenAki	2015	Longitudinal Analysis of Female Authorship of Psychiatry Articles in Turkey	Noropsikiyatr	Wrong outcomes
Essandoh	2022	Time to Step Up and Do Our Part to Address Sex Inequalities in Cardiothoracic Anesthesiology	Journal of Cardiothoracic and Vascular Anesthesia	Not original research
Fang	2021	National Awards and Female Emergency Physicians in the United States: Is the "Recognition Gap" Closing?	J Emerg Med	Wrong outcomes
Farheen	2021	Current Status and Future Strategies for Mentoring Women in Neurology	Neurology	Not original research

Fecher	2018	Current state of women in academic surgical subspecialties: How a new metric in measuring academic productivity may change the equation	American Surgeon	Not original research
Feramisco	2009	A gender gap in the dermatology literature? Cross-sectional analysis of manuscript authorship trends in dermatology journals during 3 decades	Journal of the American Academy of Dermatology	Wrong outcomes
Ferguson	2006	Women in otolaryngology: Closing the gender gap	Current Opinion in Otolaryngology and Head and Neck Surgery	Wrong comparator
Filandri	2021	'Being good isn't good enough': gender discrimination in Italian academia	Studies in Higher Education	Quantitative data not supplied
Filardo	2016	Trends and comparison of female first authorship in high impact medical journals: observational study (1994-2014)	Bmj	Wrong outcomes
Filiberto	2019	Gender differences among surgical fellowship program directors	Surgery	Quantitative data not supplied
Finkelstein	1982	Women and Minority Faculty: A Synthesis of Extant Empirical Researchers		Wrong study population
Fischer	2018	Historical Analysis of Bibliometric Trends in the Journal of Pediatric Orthopaedics With a Particular Focus on Sex	Journal of Pediatric Orthopedics	Wrong outcomes
Fishman	2017	Gender Differences in the Authorship of Original Research in Pediatric Journals, 2001-2016	J Pediatr	Quantitative data not supplied
Forrester	2020	Men Receive Three Times More Industry Payments than Women Academic Orthopaedic Surgeons, Even After Controlling for Confounding Variables	Clinical Orthopaedics & Related Research	Wrong outcomes
Forster	2021	Gender disparity in German neurosurgery	Journal of Neurosurgery	Wrong outcomes
Foster	2020	Gender distribution and leadership trends in trauma surgery societies	Trauma Surgery & Acute Care Open	Wrong outcomes
Franceschi	2017	Patterns of Recent National Institutes of Health (NIH) Funding to Diagnostic Radiology Departments: Analysis Using the NIH RePORTER System	Acad Radiol	Wrong outcomes

Franks	2022	Rank and Tenure Amongst Faculty at Academic Medical Centers: A Study of More Than 50 Years of Gender Disparities	Academic medicine	Quantitative data not supplied
Freund	2011	Differences by gender and race in academic medicine long-term career success	Journal of General Internal Medicine	Wrong outcomes
Frey	1980	Comparison between Swedish-trained men and women doctors for background, demographic characteristics, professional activity and motives leading to choice of medical career	Medical Education	Wrong outcomes
Frey	1980	Swedish men and women doctors compared: Comparison between Swedish-trained men and women doctors for background, demographic characteristics, professional activity and motives leading to choice of medical career	Medical Education	Wrong outcomes
Fridner	2015	Possible reasons why female physicians publish fewer scientific articles than male physicians - a cross-sectional study	BMC Med Educ	Wrong outcomes
Fridner	2015	Possible reasons why female physicians publish fewer scientific articles than male physicians - A cross-sectional study Career choice, professional education and development	BMC Medical Education	Wrong outcomes
Fried	1996	Career development for women in academic medicine: Multiple interventions in a department of medicine	JAMA	Quantitative data not supplied
Galley	2013	Gender balance of authors in the british journal of anaesthesia	British Journal of Anaesthesia	Wrong outcomes
Gallivan	2020	Gender representation in editorial boards of international general surgery journals	British Journal of Surgery	Wrong outcomes
Gallivan	2020	Gender representation in editorial boards of international general surgery journals	British Journal of Surgery	Wrong outcomes
Gallivan	2021	Gender representation in editorial boards of international general surgery journals	British Journal of Surgery	Wrong outcomes
Gayet-Ageron	2019	Comparison of the contributions of female and male authors to medical research in 2000 and 2015: a cross-sectional study	BMJ Open	Wrong outcomes

Gelardi	2021	Women on board: mind the (gender) gap	European Journal of Nuclear Medicine and Molecular Imaging	Wrong outcomes
Gerull	2021	Is the Distribution of Awards Gender-balanced in Orthopaedic Surgery Societies?	Clinical Orthopaedics & Related Research	Wrong outcomes
Gill	2021	Educational Coaches: Facilitating Academic Vitality and a Pathway to Promotion for Clinician-Educators	Journal of Pediatrics	Wrong outcomes
Glastonbury	2017	Gender Issues Persist in Academic Radiology Promotions	Radiology	Not original research
Goldstein	2022	The Significance of Female Faculty and Department Leadership to the Gender Balance of Ophthalmology Residents	American Journal of Ophthalmology	Wrong outcomes
Gollins	2017	A study of the number of female editors-in-chief of dermatology journals	International Journal Of Women.s Dermatology	Wrong outcomes
Gollins	2017	A study of the number of female editors-in-chief of dermatology journals	Australasian Journal of Dermatology	Wrong outcomes
Gonzalez	2020	Gender distribution in United States anaesthesiology residency programme directors: trends and implications	Br J Anaesth	Quantitative data not supplied
Gonzalez-Alcaide	2007	[Gender analysis of Spanish scientific publications in the area of substance abuse in biomedicine 1999-2004]	Adicciones	Wrong outcomes
Gonzalez-Alvarez	2019	Psychiatry research and gender diversity: authors, editors, and peer reviewers	The Lancet Psychiatry	Wrong outcomes
Gordon	2022	Effects of Parenthood and Gender on Well-Being and Work Productivity Among Canadian Academic Research Faculty Amidst the COVID-19 Pandemic	Can. Psychol.-Psychol. Can.	Wrong outcomes
Graham	2020	Gender differences in faculty rank and subspecialty choice in academic medical oncology	Journal of Clinical Oncology. Conference	Duplicate data
Graham	2022	Erratum: Gender-based Barriers in the Advancement of Women Leaders in Emergency Medicine: A Multi-institutional Qualitative Study (Western Journal of Emergency Medicine (2021) 22: 6 (1355-1359) DOI: 10.5811/westjem.2021.7.52826)	Western Journal of Emergency Medicine	Not original research

Griffith	1977	Description of Salaried Medical School Faculty 1969-70 and 1974-75. Final Report		Duplicate data
Grimm	2016	Men (and Women) in Academic Radiology: How Can We Reduce the Gender Discrepancy?	AJR Am J Roentgenol	Wrong outcomes
Grinnell	2020	The proportion of male and female editors in women's health journals: A critical analysis and review of the sex gap	International Journal Of Women's Dermatology	Wrong outcomes
Grover	2020	Are there differences in the academic productivity between female and male GI fellowship program directors?	American Journal of Gastroenterology	Wrong outcomes
Guss	2017	Differences in compensation between men and women at United States public academic radiation oncology departments	International Journal of Radiation Oncology Biology Physics	Quantitative data not supplied
Ha	2021	Sex Differences in Academic Productivity Across Academic Ranks and Specialties in Academic Medicine: A Systematic Review and Meta-analysis	JAMA netw	Not original research
Hafeez	2019	Gender distribution in psychiatry journals' editorial boards worldwide	Comprehensive Psychiatry	Wrong outcomes
Han	2017	Gender and subspecialty of urology faculty in department-based leadership roles	Neurourology and Urodynamics	Wrong outcomes
Han	2017	Gender and Subspecialty of Urology Faculty in Department-based Leadership Roles	Urology	Wrong outcomes
Hart	2022	Trends in Female Authorship in High Impact Surgical Journals Between 2008 and 2018	Ann Surg	Wrong outcomes
Hassan	2020	Gender Equity in Academic Rheumatology - Is There a Gender Gap at European Rheumatology Congresses?	Arthritis and Rheumatology	Wrong outcomes
Hechtman	2018	NIH funding longevity by gender	Proc Natl Acad Sci U S A	Wrong outcomes
Heckenberg	2010	Gender aspects in medical publication - the Wiener klinische Wochenschrift	Wien Klin Wochenschr	Wrong outcomes
Heijstra	2015	Predictors of Gender Inequalities in the Rank of Full Professor	Scandinavian Journal of Educational Research	Wrong study population
Herzke	2019	Gender and academic hospitalists	Journal of General Internal Medicine	Duplicate data

Hill	2013	A profile of female academic orthopaedic surgeons	Current Orthopaedic Practice	No comparator
Hiller	2020	What Are the Rates and Trends of Women Authors in Three High-impact Orthopaedic Journals from 2006-2017?	Clinical Orthopaedics & Related Research	Wrong outcomes
Hofler	2015	Subspecialty and gender of obstetrics and gynecology faculty in department-based leadership roles	Obstetrics & Gynecology	Wrong outcomes
Hofler	2016	Comparison of Women in Department Leadership in Obstetrics and Gynecology With Those in Other Specialties	Obstet. Gynecol.	Wrong outcomes
Hoops	2018	Analysis of Gender-based Differences in Surgery Faculty Compensation, Promotion, and Retention: Establishing Equity	Ann Surg	Quantitative data not supplied
Hoque	2021	A quantitative study of race and gender representation within London medical school leadership	International journal of medical education	Wrong outcomes
Hord	2011	Gender gap in physician compensation in pediatric hematology/oncology	Pediatric Blood and Cancer	Quantitative data not supplied
Hornstein	2021	Authorship gender equity in global oncology publications	Journal of Clinical Oncology.	Wrong outcomes
Housri	2008	Scientific impact of women in academic surgery	J Surg Res	Wrong outcomes
Howell	2015	Sex Differences in Workplace Satisfaction and Engagement of Academic Pathologists: Opportunities to Enhance Faculty Diversity	Arch Pathol Lab Med	Wrong outcomes
Hsiehchen	2019	Prevalence of Female Authors in Case Reports Published in the Medical Literature	JAMA netw	Wrong outcomes
Huang	2019	Gender Differences in Article Citations by Authors from American Institutions in Major Radiology Journals	Cureus	Wrong outcomes
Huang	2020	Evaluating Speaker Introductions at the American Society for Radiation Oncology Annual Meeting	International Journal of Radiation Oncology Biology Physics	Wrong outcomes
Huang	2021	Sex Differences in Milestones Achievement - An Issue of Learning or Assessment Bias?	JAMA Surgery	Not original research
Hwang	2017	Gender and Ethnic Diversity in Academic PM&R Faculty: National Trend Analysis of Two Decades	Am J Phys Med Rehabil	Quantitative data not supplied

Ibrahim	2019	Assessment of Gender Equity among Invited Speakers and Award Recipients at US Annual Medical Education Conferences	JAMA Network Open	Wrong outcomes
Ikpoh	2020	Sex disparities among United States academic pediatric ophthalmologists: An analysis of publication productivity, academic promotion, and NIH funding	Investigative Ophthalmology and Visual Science. Conference	Duplicate data
Ing	2021	Gender and editorship in oculoplastics societal publications	Orbit	Wrong outcomes
Ipe	2021	The impact of COVID-19 on academic productivity by female physicians and researchers in transfusion medicine	Transfusion	Wrong outcomes
Jabbarpour	2020	Has Female Authorship in Family Medicine Research Evolved Over Time?	Ann Fam Med	Wrong outcomes
Jagsi	2006	The "gender gap" in authorship of academic medical literature--a 35-year perspective	N Engl J Med	Not original research
Jagsi	2008	The representation of women on the editorial boards of major medical journals: A 35-year perspective	Archives of Internal Medicine	Wrong outcomes
Jagsi	2009	Sex differences in attainment of independent funding by career development awardees	Ann Intern Med	Wrong outcomes
Jagsi	2009	Under-representation of women in high-impact published clinical cancer research	Cancer	Wrong study population
Jalilianhasanpour	2020	Are Women Disadvantaged in Academic Radiology?	Acad Radiol	Quantitative data not supplied
Jaque	2020	Gender and workforce in urology - use of the BG Index to Assess Female Career Promotion in Academic Urology	Urology journal	Wrong outcomes
Jarman	2022	Moving Beyond Gender Disparities: A Call to Action for Gender Parity and Equity	Annals of Emergency Medicine	Not original research
Jena	2016	Sex Differences in Academic Rank in US Medical Schools in 2014	Obstetrical and Gynecological Survey	Duplicate data
Jia	2021	Factors associated with endowed chair allocation in medical oncology divisions and departments in the United States	Journal of Clinical Oncology.	Wrong outcomes

Jia	2022	Factors Associated With Endowed Chair Allocation in Medical Oncology in the United States	JNCI cancer spectrum	Wrong outcomes
Johnson	2021	A Gender Gap in Publishing? Understanding the Glass Ceiling in Pediatric Orthopaedic Surgery	J. Pediatr. Orthop.	Wrong outcomes
Jolly	1980	Trends in Medical School Faculty Characteristics: New Faculty and Continuing Faculty 1968-1978		Wrong outcomes
Jones	2021	Gender & Racial/Ethnic Disparities in Academic Oncology Leadership	International Journal of Radiation Oncology Biology Physics	Wrong outcomes
Jones	2021	Gender and racial/ethnic disparities in academic oncology leadership	Journal of Clinical Oncology.	Wrong outcomes
Jorge	2019	The association between physician sex and faculty rank among academic rheumatologists in the United States	Arthritis and Rheumatology	Duplicate data
Jorge	2019	The Association Between Physician Sex and Faculty Rank Among Academic Rheumatologists in the United States	Arthritis Rheumatol.	Duplicate data
Kaatz	2016	Analysis of National Institutes of Health R01 Application Critiques, Impact, and Criteria Scores: Does the Sex of the Principal Investigator Make a Difference?	Acad Med	Wrong outcomes
Kalavar	2021	Authorship Gender Composition in the Ophthalmology Literature from 2015 to 2019	Ophthalmology	Wrong outcomes
Kalyani	2015	Sex Differences Among Career Development Awardees in the Attainment of Independent Research Funding in a Department of Medicine	J Womens Health (Larchmt)	Wrong outcomes
Kamran	2021	Academic Workforce Diversity Trends by Sex and Underrepresented in Medicine Status Among US Radiation Oncology & Medical Oncology Faculty Over Five Decades	International Journal of Radiation Oncology Biology Physics	Duplicate data
Kamran	2021	U.S. radiation oncology and medical oncology department faculty diversity trends by sex and underrepresented in medicine status over five decades	Journal of Clinical Oncology.	Quantitative data not supplied

Karpyshyn	2017	H-indices of two university medical departments: An evaluation of academic rank, gender, number of reviews and salary	Journal of Rheumatology	Wrong outcomes
Karri	2019	Exploration of Gender-Specific Authorship Disparities in the Pain Medicine Literature	Regional Anesthesia & Pain Medicine	Wrong outcomes
Kassam	2021	Gender and ethnic diversity in academic general surgery department leadership	Am J Surg	Wrong outcomes
Keane	2021	Women in Leadership and Their Influence on the Gender Diversity of Academic Plastic Surgery Programs	Plastic & Reconstructive Surgery	Wrong outcomes
Kearney	2019	685: Who's at the podium?: Gender & Authorship of Oral Presentations at SMFM & SGO (1998-2018)	American Journal of Obstetrics and Gynecology	Wrong outcomes
Kearns	2021	Gender equity of promoting practices in academic neurosurgery in the United States	Journal of Neurosurgery	Duplicate data
Keller	2021	Gender Differences in Authorship of Family Medicine Publications, 2002-2017	Fam Med	Wrong outcomes
Kenny	2003	Understanding the components of publication success: a survey of academic award recipients	Conn Med	Wrong outcomes
Khan	2017	Characteristics of Highly Cited Articles in Interventional Cardiology	American Journal of Cardiology	Wrong outcomes
Khan	2020	Sex disparities in publication productivity among united states academic oculoplastic surgeons	Investigative Ophthalmology and Visual Science. Conference	Wrong outcomes
Kim	2019	A 46-year Analysis of Gender Trends in Academic Authorship in Orthopaedic Sports Medicine	Journal of the American Academy of Orthopaedic Surgeons	Wrong outcomes
Kim	2022	Gender Distribution of Scholarship and Measures of National Recognition in Hospital Medicine	Hospital pediatrics	Wrong outcomes
King	2020	Impact of gender and caregiving responsibilities on academic success in hematology	Blood Advances	Wrong outcomes
Kloosterboer	2020	Residency Program Directors of United States Ophthalmology Programs: A Descriptive Analysis	American Journal of Ophthalmology	Wrong outcomes

Komlenac	2019	Parenthood does not explain the gender difference in clinical position in academic medicine among Swedish, Dutch and Austrian physicians	Advances in Health Sciences Education	Quantitative data not supplied
Kondro	2003	Gender distribution of Canada Research Chairs	Clinical & Investigative Medicine	Not original research
Kono	2020	Assessment of Academic Achievement of Female Physicians in Japan	JAMA Network Open	Quantitative data not supplied
Kramer	2019	Sex Disparities in Ophthalmic Research A Descriptive Bibliometric Study on Scientific Authorships	JAMA Ophthalmol.	Wrong outcomes
Kraus	2020	Speaker Gender Representation for Anesthesiology Grand Rounds at a Large Academic Medical Center	The Journal of Education in Perioperative Medicine JEPM	Wrong outcomes
Krawec	2019	Examining the gender gap in emergency medicine research publications	Academic Emergency Medicine	Wrong outcomes
Krebs	2019	Changing Face of Academic Surgery: Surgeon-Scientists with R01 Funding Are Disproportionally Female	Journal of the American College of Surgeons	Duplicate data
Krzyzaniak	2019	What Emergency Medicine Rewards: Is There Implicit Gender Bias in National Awards?	Ann Emerg Med	Wrong outcomes
Kuhlmann	2017	Closing the gender leadership gap: a multi-centre cross-country comparison of women in management and leadership in academic health centres in the European Union	Human Resources for Health [Electronic Resource]	Quantitative data not supplied
Kurichi	2005	Women authors of surgical research	Archives of Surgery	Wrong outcomes
Kvaerner	1999	Female medical leadership: cross sectional study	Bmj	Wrong outcomes
Larson	2019	Representation of Women Physician Deans in U.S. Medical Schools	J Womens Health (Larchmt)	Wrong outcomes
Larson	2020	Representation of Women Among Invited Speakers at Medical Specialty Conferences	Journal of Womens Health	Wrong outcomes
Lau	2022	Effect of Gender on Practice Patterns of Andrology Fellowship Graduates	Journal of Sexual Medicine	Wrong outcomes
Lawley	2022	Gender Distribution of Faculty Is Strongly Correlated With Resident Gender at Canadian Radiology Residency Programs	Can Assoc Radiol J	Wrong outcomes

Lennox	2019	Patterns of North American Women Authorship in 2 Allergy/Immunology Journals: 1997-2017	Journal of Allergy and Clinical Immunology-in Practice	Wrong outcomes
Lerchenmuller	2018	Long-term analysis of sex differences in prestigious authorships in cardiovascular research supported by the national institutes of health	Circulation	Wrong outcomes
Lester	2016	Disparities in academic dermatology	JAMA Dermatology	Not original research
Letchinger	2022	Assessing and Addressing Gender Gaps in the American Society for Surgery of the Hand	Journal of Hand Surgery	Wrong outcomes
Li	2007	Gender trends in emergency medicine publications	Acad Emerg Med	Wrong outcomes
Li	2021	Gender Differences in Faculty Rank Among Academic Physicians: A Systematic Review and Meta-Analysis	J. Vasc. Surg.	Wrong study design
Liang	2015	Assessing the Gap in Female Authorship in Radiology: Trends Over the Past Two Decades	J. Am. Coll. Radiol.	Wrong outcomes
Lim	2021	Gender Distribution among Transplant Journal Editorial Members: A Call to Empower Women in Academic Medicine	Transpl Int	Wrong outcomes
Lim	2022	Disparity in female and Asian representation amongst cardiology journal editorial boards members: a call for empowerment	QJM-An Int. J. Med.	Wrong outcomes
Linden	2020	What is the status of gender equity in academic emergency medicine leadership?	Academic Emergency Medicine	Wrong outcomes
Linscheid	2020	Women in academic surgery over the last four decades	PLoS ONE	Wrong outcomes
Litvack	2019	Trends in female leadership at high-profile otolaryngology journals, 1997-2017	Laryngoscope	Wrong outcomes
Logeais	2022	Gender Distribution of Authors of Evaluation Letters for Promotion at One Medical School	Academic medicine	Wrong study population
Long	2011	Resident and program director gender distribution by specialty	J Womens Health (Larchmt)	Wrong outcomes
Long	2015	Female authorship in major academic gastroenterology journals: a look over 20 years	Gastrointest Endosc	Wrong outcomes
Lopez	2015	The Association of the H-Index and Academic Rank Among Full-Time Academic Hand Surgeons Affiliated With Fellowship Programs	Journal of Hand Surgery-American Volume	Wrong outcomes

Lorello	2019	Women in anesthesiology: Playing in the sandbox is not a one 'man' show	Canadian Journal of Anesthesia	Quantitative data not supplied
Lu	2019	An evaluation of gender diversity in the American Brachytherapy Society	Brachytherapy	Wrong outcomes
Ludmerer	2020	Seeking Parity for Women in Academic Medicine: A Historical Perspective	Acad Med	Not original research
Lufler	2022	The glass ceiling thickens: the impact of COVID-19 on academic medicine faculty in the United States	Med. Educ. Online	Wrong outcomes
Ly	2022	Gender Differences in Number of Citations Per Paper Among Well-Cited Researchers in Cardiology in the United States (1960 to 2018)	American Journal of Cardiology	Wrong outcomes
Lydon	2021	Do Gender-Based Disparities in Authorship and Editorship Exist in Healthcare Simulation Journals? A Bibliometric Review of the Research	Simulation in Healthcare- Journal of the Society for Simulation in Healthcare	Wrong outcomes
Lyons	2019	Gender Disparity in Surgery: An Evaluation of Surgical Societies	Surgical Infections	Quantitative data not supplied
Madden	2021	Gender in authorship and editorship in medical education journals: A bibliometric review	Med Educ	Wrong outcomes
Madsen	2017	Current Status of Gender and Racial/Ethnic Disparities Among Academic Emergency Medicine Physicians	Acad Emerg Med	Duplicate data
Madsen	2017	The status of gender and racial/ethnic disparities among emergency medicine physicians	Academic Emergency Medicine	Duplicate data
Magrane	1997	A profile of directors of clerkships in obstetrics and gynecology in the United States and Canada	Obstetrics and Gynecology	Wrong comparator
Mahajan	2021	Does double-blind peer review impact gender authorship trends? An evaluation of two leading neurosurgical journals from 2010 to 2019	J. Neurosurg.	Wrong outcomes
Mainali	2021	The Neurocritical Care Society Gender Parity Analysis in Grants and Recognition Awards	Neurocritical Care	Wrong outcomes
Malieckal	2019	Gender disparities in faculty at asn kidney week 2012-2019	Journal of the American Society of Nephrology	Wrong outcomes
Malieckal	2020	Trends in the Proportions of Female Program Chairs, Moderators and Speakers at American Society of Nephrology Kidney Week 2012-2019	American Journal of Kidney Diseases	Wrong outcomes

Malieckal	2020	Trends in the Proportions of Women Program Chairs, Moderators, and Speakers at American Society of Nephrology Kidney Week 2011-2019	Clinical Journal of The American Society of Nephrology: CJASN	Wrong outcomes
Malinzak	2021	Representation of Female Faculty at US Medical Schools and Success in Obtaining National Institutes of Health Funding, 2008-2018	JAMA netw	Quantitative data not supplied
Mamtani	2019	Gender Disparity in Physician Authorship Among Commentary Articles in High Impact Medical Journals	Available at SSRN	Wrong outcomes
Mamtani	2019	Quantifying the gender gap in authorship of commentary articles in high impact journals	Academic Emergency Medicine	Wrong outcomes
Mamtani	2020	Quantifying gender disparity in physician authorship among commentary articles in three high-impact medical journals: an observational study	BMJ Open	Wrong outcomes
Manne-Goehler	2016	The impact of self-esteem on career advancement among women and underrepresented minorities in academic medicine	Journal of General Internal Medicine	Duplicate data
Manne-Goehler	2018	Sex differences in academic achievement and faculty rank in academic infectious diseases	Open Forum Infectious Diseases	Duplicate data
Manson	2002	Gender differences in career progress and satisfaction in an academic medical center	Clinical Journal of Women's Health	Quantitative data not supplied
Mansour	2012	Five-decade profile of women in leadership positions at ophthalmic publications	Archives of Ophthalmology	Wrong outcomes
Marcotte	2021	Toward Gender Equity in Academic Promotions	JAMA Internal Medicine	Not original research
Marini	2019	The trench warfare of gender discrimination: evidence from academic promotions to full professor in Italy (vol 115, pg 989, 2018)	Scientometrics	Not original research
Marquez	2020	Is the Glass-Ceiling Higher Than We Think? Sex Disparity Trends in Physician Executive Positions and Academic Plastic Surgery	Ann Plast Surg	Quantitative data not supplied
Marrast	2016	Individual characteristics of and barriers experienced by female junior faculty applying for k-awards and r01 grants	Journal of General Internal Medicine	Wrong comparator

Marshall	2020	Women in academic medicine leadership: correlation between sex of medical school deans and affiliated academic hospital system CEOs	Bmj Leader	Wrong outcomes
Martinez	2015	Gender Comparison of Scholarly Production in the Musculoskeletal Tumor Society Using the Hirsch Index	J Surg Educ	Wrong outcomes
Martinez	2021	Training Characteristics, Academic Accomplishments, and Motivation of Current Chairs in Physical Medicine and Rehabilitation	Am J Phys Med Rehabil	Wrong outcomes
Mavromaras	2006	Promotion to hospital consultant: Regression analysis using NHS administrative data	British Medical Journal	Wrong outcomes
Maxwell	2019	Pay Transparency among Surgeons in the Veterans Health Administration: Closing the Gender Gap	Journal of the American College of Surgeons	Wrong outcomes
Maxwell	2019	State of the Unit: Physician Gender Diversity in Pediatric Critical Care Medicine Leadership	Pediatric Critical Care Medicine	Wrong outcomes
Mayes	2018	Gender differences in career development awards in United States' anesthesiology and surgery departments, 2006-2016	BMC anesthesiol	Wrong outcomes
McCarren	2012	Research leadership and investigators: gender distribution in the federal government	Am J Med	Wrong outcomes
Menezes	2021	Addressing sex and gender inequities in health research: sex and gender-based analysis and reporting (SGBAR)	Canadian Journal of Cardiology	Wrong outcomes
Menon	2022	Trends in female authorship in two major psychiatry journals in India	Psychiatry Research	Wrong outcomes
Menzel	2019	Gender Disparities in Authorships of Alzheimer's Disease and Dementia Research Articles	Journal of Alzheimer's Disease	Wrong outcomes
Metheny	2018	A 15-Year Study of Trends in Authorship by Gender in Two US Obstetrics and Gynecology Journals	Obstet. Gynecol.	Wrong outcomes
Millar	2020	GENDER AND ACADEMIC PROMOTION TO FULL PROFESSOR IN ONTARIO	Canadian Journal of Sociology-Cahiers Canadiens De Sociologie	Quantitative data not supplied
Millenaar	2021	Cardiovascular research in Germany 2020-A scientometric analysis. [German]	Kardiologie	Wrong outcomes
Miller	2019	Trends in Authorship in Anesthesiology Journals	Anesthesia & Analgesia	Wrong outcomes

Miller	2020	553: Impact of gender, rank and research productivity on salary in obstetrics and gynecology	American Journal of Obstetrics and Gynecology	Quantitative data not supplied
Mimouni	2016	Female authorship in major academic Ophthalmology journals: Trends in recent years	Investigative Ophthalmology and Visual Science	Wrong outcomes
Mimouni	2016	Trends in Authorship of Articles in Major Ophthalmology Journals by Gender, 2002-2014	Ophthalmology	Wrong outcomes
Minen	2020	Challenges to successful research careers in neurology: How gender differences may play a role	Neurology	Wrong study design
Misawa	2022	[Career Path and Leadership for Female Doctors in University Hospitals]	Brain Nerve	Not original research
Misra	2021	Gender disparity between authors in leading medical journals during the COVID-19 pandemic: a cross-sectional review	BMJ Open	Wrong outcomes
Miyasaki	2020	Leadership, recognition awards, and publication by men and women in the American Academy of Neurology	Neurology	Wrong outcomes
Modena	1999	Determinants of career structure and advancement among Italian cardiologists - An example of segregation and discrimination against women?	Eur. Heart J.	Quantitative data not supplied
Moloci	2014	Sex and funding trends in phase 3 oncology trials registered with clinicaltrials.gov	Journal of Clinical Oncology.	Wrong outcomes
Monroe	2013	Through a gender lens: A view of gender and leadership positions in the department of medicine at an academic medical center	Journal of General Internal Medicine	Duplicate data
Moors	2014	My Family Matters: Gender and Perceived Support for Family Commitments and Satisfaction in Academia Among Postdocs and Faculty in STEMM and Non-STEMM Fields	Psychology of Women Quarterly	Wrong outcomes
Motter	2022	Women representation in academic and leadership positions in surgery in Brazil	American Journal of Surgery	Quantitative data not supplied

Muffly	2019	83: Analysis of publication productivity for female pelvic medicine and reconstructive surgeons in the United States	American Journal of Obstetrics and Gynecology	No comparator
Muric	2021	Gender Disparity in the Authorship of Biomedical Research Publications During the COVID-19 Pandemic: Retrospective Observational Study	J Med Internet Res	Wrong outcomes
Murphy	2022	Networking practices and gender inequities in academic medicine: Women's and men's perspectives	EClinicalMedicine	Wrong study design
Nettles	2000	Salary, Promotion, and Tenure Status of Minority and Women Faculty in U.S. Colleges and Universities. National Study of Postsecondary Faculty, 1993 (NSOPF:93). Statistical Analysis Report		Wrong study population
Ngaage	2019	Gender disparity in academic rank and industry payments to plastic surgeons	Plastic and Reconstructive Surgery Global Open	Quantitative data not supplied
Nguyen	2018	Academic Surgical Oncologists' Productivity Correlates with Gender, Grant Funding, and Institutional NCI Comprehensive Cancer Center Affiliation	Ann Surg Oncol	Wrong outcomes
Nguyen	2018	Does a gender disparity exist in the bibliometrics and professorial ranks of academic surgical oncologists in the U.S.?	Annals of Surgical Oncology	Wrong outcomes
Nguyen	2021	Impact of COVID-19 on longitudinal ophthalmology authorship gender trends	Graefe's Archive for Clinical and Experimental Ophthalmology	Wrong outcomes
Nguyen	2022	Gender Distribution of Deans Among US Medical Schools: Towards Equity in Academic Medicine	Journal of Surgical Research	Wrong outcomes
Nkenke	2015	Gender trends in authorship in oral and maxillofacial surgery literature: A 30-year analysis	Journal of Cranio-Maxillo-Facial Surgery	Wrong outcomes
Nogrady	2019	Female researchers in Australia less likely to win major medical grants than males	Nature.	Not original research
Notzer	1995	The feminization of the medical profession in Israel	Med Educ	Quantitative data not supplied
Ochuko-Emore	2010	Authorship, gender and geography in journals published by the Royal College of Psychiatrists	Psychiatrist	Wrong outcomes

O'Connor	2018	Gender Trends in Academic Radiology Publication in the United States Revisited	Acad Radiol	Wrong outcomes
Odei	2021	Evaluation of Progress Toward Gender Equity Among Departmental Chairs in Academic Medicine	JAMA Intern Med	Wrong outcomes
Olson	2002	Assessment of Gender Parity: Leadership Representation in Pulmonary and Critical Care Medicine	Journal of Women's Health	Wrong outcomes
Ouyang	2018	Gender trends in authorship of cardiology academic literature-a 40-year perspective	Circulation: Cardiovascular Quality and Outcomes.	Wrong outcomes
Ouyang	2018	Sex Disparities in Authorship Order of Cardiology Scientific Publications	Circulation. Cardiovascular Quality & Outcomes	Wrong outcomes
Ouyang	2018	Sex Disparities in Authorship Order of Cardiology Scientific Publications Trends Over 40 Years	Circulation-Cardiovascular Quality and Outcomes	Wrong outcomes
Ouyang	2019	Association between Female Corresponding Authors and Female Co-Authors in Top Contemporary Cardiovascular Medicine Journals	Circulation	Wrong outcomes
Pagel	2011	An analysis of scholarly productivity in United States academic anaesthesiologists by citation bibliometrics	Anaesthesia	Wrong outcomes
Pagel	2015	Scholarly productivity and national institutes of health funding of foundation for anesthesia education and research grant recipients: insights from a bibliometric analysis	Anesthesiology	Wrong outcomes
Pagel	2019	A 50-year analysis of gender differences in United States authorship of original research articles in two major anesthesiology journals	Scientometrics	Wrong outcomes
Pagel	2019	Gender Composition and Trends of Journal of Cardiothoracic and Vascular Anesthesia Editorial Board Membership: A 33-Year Analysis, 1987-2019	Journal of Cardiothoracic & Vascular Anesthesia	Wrong outcomes
Pagel	2019	Gender Differences in Authorship in the Journal of Cardiothoracic and Vascular Anesthesia: A 28-Year Analysis of Publications Originating From the United States, 1990-2017	Journal of Cardiothoracic & Vascular Anesthesia	Wrong outcomes

Pakpoor	2018	A 35-year analysis of sex differences in neurology authorship	Neurology	Wrong outcomes
Palepu	1998	Minority faculty and academic rank in medicine	JAMA	Quantitative data not supplied
Park	2020	Seeking changes in ivory towers: The impact of gender quotas on female academics in higher education	Womens Studies International Forum	Wrong study population
Parsons	2021	Peek at the glass ceiling: gender distribution of leadership among emergency medicine residency programs	Emerg Med J	Wrong outcomes
Partiali	2019	82 Sex Disparity in Speaking Opportunities at a Major Academic Emergency Medicine Conference: Are Women Stuck Under the Glass Ceiling?	Annals of Emergency Medicine	Wrong outcomes
Partiali	2021	Gender disparity in speakers at a major academic emergency medicine conference	Emerg Med J	Wrong outcomes
Pashkova	2013	Gender disparity among US anaesthesiologists: are women underrepresented in academic ranks and scholarly productivity?	Acta Anaesthesiol Scand	Wrong outcomes
Pastor-Cabeza	2021	Women's role in neurosurgical research: is the gender gap improving?	Neurosurg. Focus	Wrong outcomes
Patel	2021	Demographics of Surgical Specialty Residency Program Directors in the United States: A Cross-sectional Analysis	Annals of Surgery	Wrong outcomes
Paul	2016	Current status of female leadership in academic gastroenterology	Gastroenterology	Wrong outcomes
Peiro-Perez	2007	Applications submitted and grants awarded to men and women in nationwide biomedical competitive research, in 2006, in Spain	Journal of Epidemiology & Community Health	Wrong study population
Perna	2005	SEX DIFFERENCES IN FACULTY TENURE AND PROMOTION: The Contribution of Family Ties	Research in Higher Education	Wrong study population
Pina	2019	Effects of seniority, gender and geography on the bibliometric output and collaboration networks of European Research Council (ERC) grant recipients	PLoS ONE	Wrong outcomes
Piper	2015	A 35-year analysis of gender trends in radiology authorship		Wrong outcomes

Piper	2016	Gender trends in radiology authorship: A 35-year analysis	American Journal of Roentgenology	Wrong outcomes
Piper	2018	Representation of Women on Radiology Journal Editorial Boards: A 40-Year Analysis	Academic Radiology	Wrong outcomes
Plana	2018	The Evolving Presence of Women in Academic Plastic Surgery: A Study of the Past 40 Years	Plastic & Reconstructive Surgery	Wrong outcomes
Pohlhaus	2010	Sex differences in career development awardees' subsequent grant attainment	Annals of Internal Medicine	Not original research
Pohlhaus	2011	Sex differences in application, success, and funding rates for NIH extramural programs	Academic Medicine	Wrong outcomes
Polanco	2017	Authorship gender disparity in hepatology medical literature: Why are women silent?	Hepatology	Wrong outcomes
Polanco	2020	Gender Differences in Hepatology Medical Literature	Digestive Diseases & Sciences	Wrong outcomes
Ponzio	2022	Discrepancies in Work-Family Integration between Female and Male Orthopaedic Surgeons	Journal of Bone and Joint Surgery	Wrong outcomes
Potter	2021	Gender Parity in Academic Leadership Roles at AOSSM Annual Meetings	Orthopaedic Journal of Sports Medicine	Wrong outcomes
Power	2021	Research productivity and impact of Canadian academic urologists: National trends in academic metrics as it relates to gender, subspecialty, and faculty appointment	Journal of Urology	Quantitative data not supplied
Probert	2005	I Just Couldn't Fit It In: Gender and Unequal Outcomes in Academic Careers	Gender, Work & Organization	Wrong study population
Puljak	2008	Gender and academic medicine: a good pipeline of women graduates is not advancing	Teaching & Learning in Medicine	Quantitative data not supplied
Purdy	2021	Gender differences in publication in emergency medicine journals	Am J Emerg Med	Wrong outcomes
Qiu	2016	Changes in sex and racial diversity in academic dermatology faculty over 20 years	J. Am. Acad. Dermatol.	Quantitative data not supplied
Quak	2021	Author Gender Inequality in Medical Imaging Journals and the COVID-19 Pandemic	Radiology	Wrong outcomes

Rabinowitz	2021	Gender Disparities Negatively Impact Access to Mentoring for Women Gastroenterologists and Trainees	Gastroenterology	Wrong outcomes
Radford	2019	H-Index and Academic Rank by Sex among Breast Surgery Fellowship Faculty	Journal of the American College of Surgeons	Duplicate data
Rai	2021	National trends of gender disparity in Canadian cardiovascular society guidelines authors from 2001-2020	CJC Open	Wrong outcomes
Ramsauer	2013	How can the hospital routine be organized with the high percentage of female doctors?. [German]	Gynakologe	Wrong outcomes
Raukar	2020	Is pay equity enough?	Academic Emergency Medicine	Quantitative data not supplied
Ravioli	2021	Gender distribution in emergency medicine journals: editorial board memberships in top-ranked academic journals	Eur J Emerg Med	Wrong outcomes
Raviskanthan	2020	Equal or not? Women hold less prestigious roles at respiratory medicine conferences than men	European Respiratory Journal	Wrong outcomes
Rayburn	2012	Promotion rates for assistant and associate professors in obstetrics and gynecology	Obstetrics & Gynecology	Quantitative data not supplied
Reddy	2016	Representation of Women With Industry Ties in Ophthalmology	JAMA Ophthalmol.	Wrong outcomes
Reiser	1993	Beginning careers in academic psychiatry for women-- "Bermuda Triangle"?	Am J Psychiatry	Wrong outcomes
Renner	2022	Scholarly productivity and growth of academic hospital medicine full professors	J. Hosp. Med.	Quantitative data not supplied
Riaz	2019	Sex Differences in Faculty Rank and Leadership Positions Amongst Hematologists and Oncologists in United States: A Cross-Sectional Study	Blood	Duplicate data
Ricciotti	2017	Geographic Comparison of Women in Academic Obstetrics and Gynecology Department-Based Leadership Roles	Obstetrics & Gynecology	Wrong outcomes
Richter	2020	Women Physicians and Promotion in Academic Medicine	N Engl J Med	Quantitative data not supplied

Riner	2021	Diversification of Academic Surgery, Its Leadership, and the Importance of Intersectionality	JAMA Surgery	Quantitative data not supplied
Robinson	2020	Melting the Plastic Ceiling: Where We Currently Stand on Measures to Support Women in Academic Plastic Surgery	Plastic & Reconstructive Surgery	Wrong outcomes
Rohilla	2021	Pediatric interventional radiology workforce in North America: a descriptive analysis of demographics, educational backgrounds and scholarly activities	Pediatric Radiology	Wrong outcomes
Rose	2015	Gender differences in physicians' financial ties to industry: A study of national disclosure data	PLoS ONE	Wrong outcomes
Rose-Clarke	2019	Co-first authorship and gender equity in academic publishing	The Lancet	Not original research
Ross	2021	Analysis of gender representation among physician authors in American academy of neurology clinical practice guidelines	Neurology.	Wrong outcomes
Rotenstein	2019	Characterizing gender-based differences in burnout among physicians in an academic medical center	Journal of General Internal Medicine	Quantitative data not supplied
Roy	2021	Landscape of Centralized Otolaryngology Research Efforts Grant Recipients Over the Past Decade	Otolaryngology - Head & Neck Surgery	Wrong study population
Rubinsak	2020	The Continued Gender Gap: Gynecologic Oncology in Academic Leadership Roles	Gynecologic Oncology	Wrong outcomes
Rukhshan	2020	889 #WomeninDDW: Speaker Gender Gap at the Premier Digestive Disease Event	Gastrointestinal Endoscopy	Wrong outcomes
Russell	2022	Gender Differences of Endowed Professorship in Obstetrics and Gynecology Departments at Top Academic Institutions	Obstetrics and Gynecology	Quantitative data not supplied
Rynecki	2020	How Well Represented Are Women Orthopaedic Surgeons and Residents on Major Orthopaedic Editorial Boards and Publications?	Clinical Orthopaedics & Related Research	Wrong outcomes
Sadeghpour	2012	Role of gender in academic dermatology: Productivity, advancement, income, and career satisfaction-Results from a national survey	Journal of the American Academy of Dermatology	Wrong outcomes
Safdar	2021	Gender Disparity in Grants and Awards at the National Institute of Health	Cureus	Wrong outcomes

SarmientoAlta mirano	2021	Gender disparities in Ecuador: a survey study of the under-representation of women in surgery	Updates in surgery.	Quantitative data not supplied
Schoel	2021	Endocrine surgery is at the forefront of gender diversity	Am. J. Surg.	Wrong outcomes
Schrager	2011	Gender and First Authorship of Papers in Family Medicine Journals 2006-2008	Fam. Med.	Wrong outcomes
Schurmann	1996	Sex differences in rank attainment among psychiatrists and attitudes of clinic directors towards female and male psychiatrists	Psychiatr. Prax.	Wrong outcomes
Scott	2022	Women in neurosurgery in the United Kingdom: past, present and future	Journal of Neurosurgical Sciences	Quantitative data not supplied
Sela	2021	Gender Differences in Authorship Among Transplant Physicians: Are We Bridging the Gap?	J Surg Res	Wrong outcomes
Seldon	2020	Gender diversity in academic oncology programs	Cancer Epidemiology Biomarkers and Prevention.	Wrong outcomes
Seldon	2020	Gender Diversity in Academic Oncology Programs in the United States and Abroad	International Journal of Radiation Oncology Biology Physics	Wrong outcomes
Selter	2019	The state of women in academic reproductive endocrinology programs	Fertility and Sterility	Duplicate data
Semela	2020	Navigating the river Nile: the chronicle of female academics in Ethiopian higher education	Gender & Education	Wrong study population
Sethi	2019	210 Addressing Gender Disparity: Increase in Female Fellowship Program Leadership Increases Gender Equality in Program Director and Fellow Ranks	Gastrointestinal Endoscopy	Wrong outcomes
Sethi	2021	Addressing Gender Disparity: Increase in Female Leadership Increases Gender Equality in Program Director and Fellow Ranks	Digestive Diseases & Sciences	Wrong outcomes
Sethuraman	2020	From here to chair: Gender differences in qualifications and achievements among academic emergency medicine chairs	Academic Emergency Medicine	Wrong outcomes
Sethuraman	2021	Here to chair: Gender differences in the path to leadership	Acad Emerg Med	Wrong outcomes

Sexton	2012	Women in academic surgery: The pipeline is busted	Journal of Surgical Education	Quantitative data not supplied
Shah	2007	The association of departmental leadership gender with that of faculty and residents in radiology	Acad Radiol	Wrong outcomes
Shah	2010	Gender characteristics among academic ophthalmology leadership, faculty, and residents: results from a cross-sectional survey	Ophthalmic Epidemiol	Wrong outcomes
Shah	2020	A 25-year gender trend analysis of authorship in headache: The journal of head and face pain	Headache	Wrong outcomes
Shah	2021	Gender parity in scientific authorship in a National Institute for Health Research Biomedical Research Centre: a bibliometric analysis	BMJ Open	Wrong outcomes
Shahid	2022	Trends in National Institutes of Health R01 Funding of Principal Investigators in Cardiology by Gender	Journal of the American College of Cardiology	Wrong outcomes
Shakil	2017	Gender Disparities in Sponsorship-How They Perpetuate the Glass Ceiling	Jama Intern Med	Not original research
Sharpe	2020	Representation of Women Among Invited Speakers for Grand Rounds	J Womens Health (Larchmt)	Wrong outcomes
Sheridan	2017	Write More Articles, Get More Grants: The Impact of Department Climate on Faculty Research Productivity	J Womens Health (Larchmt)	Wrong outcomes
Sherman	1981	On the Status of Medical School Faculty and Clinical Research Manpower, 1968-1990. National Institutes of Health Program Evaluation Report		Wrong outcomes
Shi	2017	Sex and leadership in academic dermatology: A nationwide survey	J Am Acad Dermatol	Wrong outcomes
Shih	2018	Trends in scholarly productivity of US dermatology professors by academic status, degree, and gender	Journal of Investigative Dermatology	Quantitative data not supplied
Shillcutt	2020	Whose Voices Are Heard? Speaker Gender Representation at the Society of Cardiovascular Anesthesiologists Annual Meeting	Journal of Cardiothoracic & Vascular Anesthesia	Wrong outcomes
Shukla	2019	207 Gender equality among award winners and leaders at the Society for Investigative Dermatology meetings	Journal of Investigative Dermatology	Wrong outcomes
Shukla	2019	Gender Equity Improving among Award Winners and Leaders at the Society for Investigative Dermatology	J Invest Dermatol	Wrong outcomes

Shukla	2021	Does Gender Matter in Academic Surgery? Author and Mentor Gender Impact Publication Citations in Surgical Research	Urology	Wrong outcomes
Sibitz	2010	The "gender gap" in authorship of academic psychiatric literature	European Psychiatry.	Wrong outcomes
Siddiqui	2022	Gender disparities in the National Institutes of Health funding for hematologic malignancies and cellular therapies	Leukemia and Lymphoma	Wrong outcomes
Sidhu	2009	The gender imbalance in academic medicine: a study of female authorship in the United Kingdom	J R Soc Med	Wrong outcomes
Silva	2019	Gender Representation at Neurological Surgery Conferences	World Neurosurg	Wrong outcomes
Silver	2017	Where Are the Women? The Underrepresentation of Women Physicians Among Recognition Award Recipients From Medical Specialty Societies	Pm&R	Wrong outcomes
Silver	2018	Assessment of Women Physicians Among Authors of Perspective-Type Articles Published in High-Impact Pediatric Journals	JAMA Netw. Open	Wrong outcomes
Silver	2021	Association of Academic Physiatrists Women's Task Force Follow-up Report	American journal of physical medicine & rehabilitation	Quantitative data not supplied
Silvestre	2016	Gender Authorship Trends of Plastic Surgery Research in the United States	Plastic & Reconstructive Surgery	Wrong outcomes
Sing	2017	Gender trends in authorship of spine-related academic literature-a 39-year perspective	Spine Journal	Wrong outcomes
Singh	2008	Do gender disparities persist in gastroenterology after 10 years of practice?	American Journal of Gastroenterology	Wrong outcomes
Singh	2008	Do gender-based disparities in authorship also exist in cancer palliative care? A 15-year survey of the cancer palliative care literature	J. Cancer Educ.	Wrong outcomes
Smart	1991	Gender Equity in Academic Rank and Salary	Review of Higher Education	Wrong study population
Smith	2022	Diversity Drives Innovation: The Impact of Female-Driven Publications	Aesthet. Surg. J.	Wrong outcomes

Sofi-Mahmudi	2021	Investigating gender differences in research performance of Iranian medical faculty members: A scientometric study. [Persian]	Tehran University Medical Journal	Quantitative data not supplied
Sperling	2018	Gender differences in academic rank and nih funding among academic maternal-fetal medicine physicians in the United States	American Journal of Obstetrics and Gynecology	Duplicate data
Spyres	2020	Working toward gender equality: The status of women in toxicology at ACMT and AACT	Journal of Medical Toxicology	Wrong outcomes
Squire	2020	Trends in Gender Authorship and Collaborations: A 30-Year Comparative Bibliometric Analysis of Manuscripts from The Journal of Bone and Joint Surgery and The Bone and Joint Journal	Scientifica	Wrong outcomes
Steinbock	2016	Habilitations as a bottleneck? A retrospective analysis of gender differences at the Medical University of Vienna	Wien Klin Wochenschr	Wrong study design
Strand	2018	Trends in female authorship in research papers on eating disorders: 20-year bibliometric study	BJPsych Open	Wrong outcomes
Strout	2018	And the winner is. . . Teaching awards in emergency medicine: Characteristics of awardees	Academic Emergency Medicine	Wrong outcomes
Sturman	2021	Gender distribution of emergency medicine faculty teaching award recipients	Academic Emergency Medicine	Wrong outcomes
Sussenbacher	2017	Gender-gaps and glass ceilings: A survey of gender-specific publication trends in Psychiatry between 1994 and 2014	Eur. Psychiat.	Wrong outcomes
Svider	2014	Gender Differences in Successful National Institutes of Health Funding in Ophthalmology	J. Surg. Educ.	Wrong outcomes
Svirko	2014	Career progression of men and women doctors in the UK NHS: A questionnaire study of the UK medical qualifiers of 1993 in 2010/2011	JRSM Short Reports	Wrong outcomes
Sweeney	2017	Transition to Independence: Characteristics and Outcomes of Mentored Career Development (KL2) Scholars at Clinical and Translational Science Award Institutions	Acad. Med.	Wrong outcomes

TÃ¼mkaya	2006	Faculty Burnout in Relation to Work Environment and Humor as a Coping Strategy	Educational Sciences: Theory & Practice	Wrong study population
Tabata	2019	Trends in the Inclusion of Black and Female Surgeons in Invited Visiting Professorships	JAMA Surgery	Wrong outcomes
Tabo	2021	The impact of gender on early scientific publication and long-term career advancement in Israeli medical school graduates	BMC Med Educ	Wrong outcomes
Taira	2008	Does reported funding differ by gender in the surgical literature?	Annals of Surgery	Wrong outcomes
Taussky	2020	Do Women Have Equal Chances for an Academic Career in Radiation Oncology in Canada? A Comparison With Related Specialties	Adv Radiat Oncol	Wrong outcomes
Temkin	2020	Gynecologic oncology, gender and relevant leadership in academic medicine	Journal of Clinical Oncology. Conference	Wrong outcomes
Temkin	2020	Where are the women? Gynecologic oncology, gender and leadership in academic medicine	Gynecologic Oncology	Wrong outcomes
Therattil	2016	Application of the h-index in academic plastic surgery	Annals of plastic surgery	Wrong outcomes
Thibault	2016	Women in Academic Medicine	Acad Med	Wrong study design
Thompson	2021	Gender gaps in National Institutes of Health dermatology grant recipients	International Journal of Women's Dermatology.	Wrong outcomes
Thomson	2019	Visibility and representation of women in multiple sclerosis research	Neurology	Wrong outcomes
Thorndyke	2022	Endowed Chairs and Professorships: A New Frontier in Gender Equity	Academic medicine	Wrong outcomes
Tinjum	2011	Female authorship in emergency medicine parallels women practicing academic emergency medicine	J Emerg Med	Wrong outcomes
Tirumalai	2021	Gender Disparity in Surgical Society Leadership and Annual Meeting Programs	Journal of Surgical Research	Wrong outcomes
Toledo	2018	The status of women in academic anesthesiology: A ten-year update	Anesthesia and Analgesia	Quantitative data not supplied
Toor	2021	Gender distribution in awarded Canadian Institutes of Health Research grants among anesthesiologists: a retrospective analysis between 2008 and 2020	Canadian Journal of Anaesthesia	Wrong outcomes

Traill	2016	Time to research Australian female physician-researchers	Intern Med J	Wrong outcomes
Trieu	2020	Evaluation of gender disparity in gastroenterology societies' leadership	American Journal of Gastroenterology	Wrong outcomes
Trieu	2020	S1264 Evaluation of Gender Disparity in Gastroenterology Societies' Leadership	Official journal of the American College of Gastroenterology ACG	Wrong outcomes
Tse	2020	885 Diversity Offices' Impact on Gender Parity in Gastroenterology Training: A Decade-Long Analysis of Gastroenterology Fellowships' Leadership, Trainees, and Applicants in North America from 2009-2018	Gastrointestinal Endoscopy	Wrong outcomes
Turner	2014	Features of successful bids for funding of applied health research: A cohort study	Health Research Policy and Systems	Wrong outcomes
Ukeje	2021	Improving Gender Diversity in Urologic Residency Training	Current Urology Reports	Not original research
Unluoglu	2015	Women Family Physicians: A Career in Academic Family Medicine an example from Turkey	Fam. Med. Prim. Care Rev.	Wrong study design
Upadhyaya	2021	Predicting a leader: Analyzing the presidents of plastic surgery societies	Journal of Plastic, Reconstructive and Aesthetic Surgery	Wrong study population
VandenBrink	2011	Scouting for talent: Appointment practices of women professors in academic medicine	Soc. Sci. Med.	Wrong study design
vandenBussche	2019	[Analysis of the personnel development in anesthesiology over the last two decades with special attention to gender aspects]	Anaesthesist	Wrong study population
vanderLee	2015	Gender contributes to personal research funding success in The Netherlands	Proc Natl Acad Sci U S A	Wrong outcomes
VanDoren	2019	Sex differences in publication volume and quality in congenital heart disease: Are women disadvantaged?	Open Heart	Wrong outcomes
VanVeelen	2022	Academics as Agentic Superheroes: Female academics' lack of fit with the agentic stereotype of success limits their career advancement	British Journal of Social Psychology	Wrong study population

VanZuilen	2020	The gender gap is closing: A 25-year gender trend analysis of manuscript authorship in the journal of the American geriatrics society	Journal of the American Geriatrics Society	Wrong outcomes
Vasti	2021	Gender Disparities in Cardiology-Related Covid-19 Publications	Journal of the American College of Cardiology	Wrong outcomes
VengaloorThomas	2019	Gender Disparities In Radiation Oncology Residency Programs In The United States- Current Status	International Journal of Radiation Oncology Biology Physics	Wrong outcomes
Venkatesh	2018	Women in Intensive Care study: a preliminary assessment of international data on female representation in the ICU physician workforce, leadership and academic positions	Critical Care	Wrong outcomes
Vogel	2020	Gender trends in academic emergency medicine publications, 1991-2018	Academic Emergency Medicine	Wrong outcomes
Vora	2019	Gender Trends in Authorship of Foot and Ankle Academic Literature Over 24 Years	Journal of Foot & Ankle Surgery	Wrong outcomes
Vranas	2020	Gender Differences in Authorship of Critical Care Literature	American Journal of Respiratory & Critical Care Medicine	Wrong outcomes
Vural	2021	Women's representation in emergency medicine journals across two decades: 2000-2019	American Journal of Emergency Medicine	Wrong outcomes
Walker	2016	Gender Distribution Among American Board of Medical Specialties Boards of Directors	Mayo Clin Proc	Wrong outcomes
Wang	2019	Bridging the Gender Gap in the Society of IR: A Benchmark Study	Journal of Vascular & Interventional Radiology	Wrong outcomes
Ward	1998	Is there gender bias in research fellowships awarded by the NHMRC?	Medical Journal of Australia	Wrong study population
Warner	2015	Considering Context in Academic Medicine: Differences in Demographic and Professional Characteristics and in Research Productivity and Advancement Metrics Across Seven Clinical Departments	Acad. Med.	Wrong outcomes
Warner	2017	Gender Differences in Receipt of National Institutes of Health R01 Grants Among Junior Faculty at an	J Womens Health	Wrong outcomes

		Academic Medical Center: The Role of Connectivity, Rank, and Research Productivity		
Webb	2020	First and last authorship by gender in emergency medicine publications: A comparison of 2008 vs 2018	Academic Emergency Medicine	Wrong outcomes
Webb	2021	First and last authorship by gender in emergency medicine publications- a comparison of 2008 vs. 2018	Am J Emerg Med	Wrong outcomes
Weiss	2014	Equity in surgical leadership for women: more work to do	Am J Surg	Quantitative data not supplied
Weller	2019	Trends in Pediatric Chair Sex Distribution and Tenure over Time: A Survey of 714 Pediatric Chairs from the Association of Medical School Pediatric Department Chairs	J Pediatr	Wrong outcomes
Whalen	2017	Gender equity imbalance in electrocardiology: A call to action	Journal of Electrocardiology	Wrong outcomes
White	2012	Gender-related differences in the pathway to and characteristics of U.S. medical school deanships	Acad Med	Quantitative data not supplied
Wijesingha	2017	Human Capital or Cultural Taxation: What Accounts for Differences in Tenure and Promotion of Racialized and Female Faculty?	Canadian Journal of Higher Education	Wrong study population
Wijesingha	2022	Glass ceiling or murky waters: The gendered and racialized pathway to full professorship in Canada	Canadian review of sociology	Wrong study population
Wiler	2020	Disparities in gender representation and salary in emergency medicine leadership roles	Academic Emergency Medicine	Wrong outcomes
Wilkinson	2020	Trends in the Gender Ratio of Authorship at the Robert Graham Center	Ann Fam Med	Wrong outcomes
Williams	2018	The Role of Gender in Publication in The Journal of Pediatrics 2015-2016: Equal Reviews, Unequal Opportunities	J Pediatr	Wrong outcomes
Wininger	2017	Bibliometric Analysis of Female Authorship Trends and Collaboration Dynamics Over JBMR's 30-Year History	Journal of Bone & Mineral Research	Wrong outcomes
Winkelman	2019	Salary disparities in academic female pelvic medicine and reconstructive surgery: Despite increased transparency, men still earn more than women in the United States	International Urogynecology Journal	Wrong outcomes

Winkelman	2019	Salary disparities in academic female pelvic medicine and reconstructive surgery: Despite increased transparency, men still earn more than women in the united states	Female Pelvic Medicine and Reconstructive Surgery	Duplicate data
Winzenberg	2018	Advance Australia fair: Progress in gender equity in science in Australia	Osteoporosis International	Wrong study population
Witteman	2019	Are gender gaps due to evaluations of the applicant or the science? A natural experiment at a national funding agency	The Lancet	Wrong outcomes
Woodward	2016	Gender disparities in academic gastroenterology fellowship director positions in the United States	Gastrointestinal Endoscopy	Duplicate data
Wright	2021	Gender differences in academic position and research productivity within pediatric gastroenterology faculty	Journal of Pediatric Gastroenterology and Nutrition	Quantitative data not supplied
Wu	2020	Sex trends in leadership of the American Academy of Dermatology: A cross-sectional study	Journal of the American Academy of Dermatology	Wrong outcomes
Wu	2021	Gender imbalance in the productivity of funded projects: A study of the outputs of National Institutes of Health R01 grants	Journal of the Association for Information Science and Technology	Wrong outcomes
Xierali	2020	US Dermatology Department Faculty Diversity Trends by Sex and Underrepresented-in-Medicine Status, 1970 to 2018	JAMA Dermatol	Quantitative data not supplied
Xu	2020	Gender and Authorship in Pediatric Critical Care Randomized Control Trials*	Pediatr. Crit. Care Med.	Wrong outcomes
Xu	2020	Trends in Gender Disparities in Authorship of Arthroplasty Research	Journal of Bone & Joint Surgery - American Volume	Wrong outcomes
Xu	2022	Gender Disparity Trends in Authorship of Hand Surgery Research	J. Hand Surg.-Am. Vol.	Wrong outcomes
Yasukawa	2013	Gender inequality in academic medicine in Japan	Med Teach	Quantitative data not supplied
Yun	2015	Closing the gender gap: Increased female authorship in AJR and radiology	American Journal of Roentgenology	Wrong outcomes

Zafar	2019	Female authors contributed to less than 20 percent of the 100 most cited articles in gastroenterology and hepatology-will this change?	American Journal of Gastroenterology	Wrong outcomes
Zdravkovic	2020	Perceptions of gender equity in departmental leadership, research opportunities, and clinical work attitudes: an international survey of 11 781 anaesthesiologists	Br J Anaesth	Wrong outcomes
Zeina	2020	Gender and ethnic differences in publication of BMJ letters to the editor: An observational study using machine learning	BMJ Open	Wrong outcomes
Zhang	2020	Plastic Surgery Chairs and Program Directors: Are the Qualifications Different for Men and Women?	Plastic & Reconstructive Surgery	Wrong outcomes
Zhao	2007	An analysis on the status of female faculty in Chinese higher education	Frontiers of Education in China	Wrong study population
Zhou	2018	A systematic analysis of UK cancer research funding by gender of primary investigator	BMJ Open	Wrong outcomes

Supplemental Digital Appendix 3

Included Studies Table

Study	Country	Area of Medicine	Study Methods	Measurements	Males	Females	Male Prof.	Female Prof.	Male As. Prof.	Female As. Prof.
Abelson 2016 ¹	US	Surgery	Cross-sectional		6223	646	2102	74	1668	149
					10373	2507	3175	345	2479	589
Agaronnik 2022 ²	US	Surgery	Cross-sectional		20403	10677	6043	1270	4615	1920
Aggarwal 2021 ³	US & Canada	Neuroradiology	Cross-sectional		341	106	77	21	95	29
Ahmadi 2018 ⁴	Saudi Arabia	Medicine	Cross-sectional	No. of publications, career duration, h-index, leadership position, citations	169	64	13	0	33	30
Al-Tamimi 2004 ⁵	US	Endocrine surgery	Cross-sectional		150	108	64	23	39	22
Ammann 2022 ⁶	US	Transplant surgery	Cross-sectional	No. of publications, career duration, h-index, citations	424	90	194	30	120	20
Ammann 2022 ⁷	US	Medicine	Cross-sectional	No. of publications, career duration	22443	4021	6647	313	5443	677
Anderson 1975 ⁸	US	Medicine	Cross-sectional	Career duration	941	873	322	190	237	226
Ash 2004 ⁹	Canada	Orthopedic surgery	Cross-sectional	No. of publications, career duration,	430	55	71	2	117	15
Atwan 2020 ¹⁰	131 countries	Family medicine	Cross-sectional	Career duration, h-index, m-index	556	404	260	199	18	9

AvenSidhu 2020 ¹¹	US	Cardiology	Cross-sectional	No. of publications, career duration,	2158	778	693	135	537	178
Bachour 2022 ¹²	US	Surgery	Cross-sectional		6223	646	2102	74	1668	149
		Cardiology			2158	778	693	135	537	2158
		Gastroenterology			892	570	300	88	222	892
		General surgery			6987	2717	1816	308	1511	6987
		Oncology			1916	1632	710	290	449	1916
Battaglia 2019 ¹³	US & Canda	Emergency radiology	Cross-sectional	No. of publications, career duration, h-index, leadership position, citations	77	22	7	0	13	1
Battaglia 2020 ¹⁴	US	Surgery	Cross-sectional	No. of publications, h-index, leadership position, citations	3212	873	1209	169	872	253
Beeler 2019 ¹⁵	Internatio nal	Radiology Oncology	Cross-sectional	No. of publications, career duration, research funding, leadership position	61	10	35	6	23	4
BehmerHansen 2020 ¹⁶	US	Neurosurgery	Cross-sectional	Career duration, h-index, research funding	1033	109	321	17	198	22
Bennett 2019 ¹⁷	US	Emergency medicine	Cross-sectional	No. of publications, career duration, research funding	2584	1016	404	345	685	537
Bi 2022 ¹⁸	US	Orthopedic surgery	Cross-sectional	No. of publications,	872	92	368	31		

				career duration, leadership position						
Bickel 1991 ¹⁹	US	Medicine	Cross-sectional	Leadership position	51189	13749	16285	1337	12854	2703
Bickel 1992 ²⁰	US	Medicine	Cross-sectional	Leadership position	53488	15333	16841	1463	13589	3015
Bickel 1993 ²¹	US	Medicine	Cross-sectional	Leadership position	57049	17682	17653	1622	14357	3400
BinRiaz 2020 ²²	US	hematology- oncology	Cross-sectional		1310	726	506	142	305	169
Bissing 2019 ²³	US	Anesthesiology	Longitudinal	Research funding, leadership position	5236	2945	906	210		
Bliss 2021 ²⁴	US	Vascular neurology	Cross-sectional		358	182	109	25	88	49
Blumenthal 2016 ²⁵	US	Cardiology	Cross-sectional	Research funding	3422	675	1073	115	772	168
Blumenthal 2017 ²⁶	US	Cardiology	Cross-sectional	No. of publications, career duration, research funding	3180	630	973	100	720	151
Blumenthal 2018 ²⁷	US	Surgery	Cross-sectional	No. of publications, career duration, research funding	9857	1692	2864	216	2527	404
Blumenthal 2019 ²⁸	US	Allergy and Immunology	Cross-sectional	No. of publications, career duration, research funding	323	184	126	26	64	41
Boerman 2020 ²⁹	Benelux	Anesthesiology	Cross-sectional	No. of publications, career duration, h-index, citations	616	359	36	10		

Breyer 2020 ³⁰	US	Urology	Cross-sectional	No. of publications	2597	329	1092	51	1624	126
Brisbin 2022 ³¹	US	Hand surgery	Cross-sectional	No. of publications, career duration, h-index, m-index, research funding, leadership position, citations	184	29	103	7	57	13
Brower 2020 ³²	US	Podiatry	Cross-sectional	No. of publications, leadership position	972	756	36	8	116	56
Camacci 2020 ³³	US	Pediatric ophthalmology	Cross-sectional	No. of publications, career duration, h-index, m-index, research funding, leadership position, citations	195	194	68	27	37	42
Camacci 2020 ³⁴	US	Vitreoretinal ophthalmology	Cross-sectional	No. of publications, career duration, h-index, m-index, research funding, leadership position, citations	503	163	173	34	87	35
Capek 1997 ³⁵	US	Plastic surgery	Cross-sectional	Research funding	124	157	8	1	21	13
Carnevale 2020 ³⁶	US	Vascular surgery	Cross-sectional	No. of publications, h-index, research funding, leadership position, citations	774	177	203	19	160	45

Carpenter 2018 ³⁷	US	General surgery	Cross-sectional	Leadership position	214	75	59	9	80	33
Carr 1998 ³⁸	US	Medicine	Cross-sectional	No. of publications, career duration, research funding	1010	953	354	210	263	248
Carr 2018 ³⁹	US	Medicine	Cross-sectional	No. of publications, leadership position	641	632	399	312		
Casciato 2021 ⁴⁰	US	Foot and ankle surgery	Cross-sectional	No. of publications, career duration, h-index, citations	83	23	23	1	15	83
Chander 2022 ⁴¹	US	Public health	Cross-sectional	Leadership position	407	488	100	98	112	407
Chaudhary 2020 ⁴²	US	Psychiatry	Cross-sectional	Leadership position	5283	5807	1351	652	1009	5283
Chauvin 2019 ⁴³	Canada	Psychiatry	Cross-sectional	No. of publications, career duration, h-index	1923	1456	251	68	344	1923
Chen 2020 ⁴⁴	US & Canada	Family medicine	Cross-sectional	No. of publications, career duration, h-index, leadership position, citations	3636	3110	241	171	306	3636
Chiam 2021 ⁴⁵	US	Cornea specialists	Cross-sectional	No. of publications, career duration, h-index, m-index, research funding,	309	131	115	17	65	309

				leadership position, citations						
Cydulka 2000 ⁴⁶	US	Emergency medicine	Cross-sectional	No. of publications, career duration, research funding, leadership position	924	274	65	5	194	924
Danic 2003 ⁴⁷	Croatia	Medicine	Cross-sectional		333	168	165	60	66	333
Das 2022 ⁴⁸	US	Obstetrics-gynecology	Cross-sectional	Leadership position	635	602	197	130	97	635
Deipolyi 2020 ⁴⁹	US	Interventional radiology	Cross-sectional	Career duration, h-index, research funding	734	108	82	7	105	734
Dial 1989 ⁵⁰	US	Internal medicine and radiology	Cross-sectional		48535	11673	15285	1094	12535	48535
Diamond 2016 ⁵¹	US	Gastroenterology	Cross-sectional	No. of publications, career duration, h-index, m-index	1859	581	557	63	364	1859
Dorismond 2021 ⁵²	US	ENT	Cross-sectional	H-index, research funding	47	23	12	5	21	47
Dossani 2019 ⁵³	US	Neurosurgery	Cross-sectional	No. of publications, career duration, h-index	761	80	298	12	168	761
Dresler 1996 ⁵⁴	US	Cardiothoracic surgery	Cross-sectional	No. of publications, career duration, research funding	59	41	10	3		59
D'Souza 2021 ⁵⁵	US	Pain medicine	Cross-sectional	No. of publications, career duration, h-index,	76	35	20	4	18	76

				leadership positions						
Dubosh 2020 ⁵⁶	US	Emergency medicine	Cross-sectional	Research funding	95	35	20	0	29	95
Duma 2019 ⁵⁷	International	Oncology	Cross-sectional		459	322	192	99	98	459
Ellinas 2021 ⁵⁸	US	Medicine	Cross-sectional	Leadership positions	891	364	606	197	154	82
Eloy 2013 ⁵⁹	US	Medicine	Cross-sectional	H-index, leadership positions	6819	3133	2057	429	1525	721
Eloy 2014 ⁶⁰	US	ENT	Cross-sectional	Career duration, h-index	916	211	330	34	220	51
Epperson 2020 ⁶¹	US & Canada	ENT	Cross-sectional	Career duration, h-index, leadership positions	343	62	185	16	113	27
Esslinger 2020 ⁶²	Canada	Anesthesiology	Cross-sectional	No. of publications, career duration, h-index, leadership positions, citations	982	422	115	31	214	78
Fahy 2021 ⁶³	US	Critical care	Cross-sectional	No. of publications, career duration, h-index, research funding	91	26	24	7	39	7
Farrell 1979 ⁶⁴	US	Medicine	Cross-sectional	Leadership positions	32459	2184	10665	392	13577	745
Freund 2014 ⁶⁵	US	Medicine	Cohort	No. of publications, research funding	288	301	222	187		

Garstka 2019 ⁶⁶	US	Head and neck surgery	Cross-sectional	H-index, m-index, leadership positions, citations	579	153	210	22	152	45
Gawad 2020 ⁶⁷	Canada	General surgery	Cross-sectional	No. of publications, career duration, h-index	294	111	75	9	99	34
Geltzeiler 2017 ⁶⁸	US	Colorectal surgery	Cross-sectional	No. of publications, career duration, h-index, m-index	110	38	30	7	28	7
Gjerde 1994 ⁶⁹	US	Family medicine	Cross-sectional		35	11	9	0	15	8
Gold 2020 ⁷⁰	US	Medicine	Cross-sectional	No. of publications, career duration, h-index, research funding, leadership position, citations	1193	461	1193	461		
Goswami 2021 ⁷¹	US	Radiology	Cross-sectional	No. of publications, career duration, h-index, leadership position, citations	2861	1501	679	240	691	372
Graham 2021 ⁷²	US	Oncology	Cross-sectional	Career duration	340	230	114	50	78	61
Griffith 1977 ⁷³	US	Medicine	Cross-sectional	Career duration	22601	2478	6653	236	4804	481
					24519	2695	7540	269	6059	580
Grose 2022 ⁷⁴	Canada	Otolaryngology	Cross-sectional	Career duration	6402	4076	20	1	28	8
Guss 2019 ⁷⁵	US	Radiation Oncology	Cross-sectional	Career duration, research funding, leadership position	166	81	60	20	36	21

Hamidizadeh 2018 ⁷⁶	North America	Radiology	Cross-sectional	No. of publications, career duration, h-index, leadership position	1906	920	753	307	469	249
Harrington 2018 ⁷⁷	US	Musculoskeletal radiology	Cross-sectional	Leadership position	144	71	33	10	21	11
Harris 2019 ⁷⁸		General surgery	Cross-sectional	Career duration, h-index, leadership position	426	102	275	55	86	31
Heathcote 1997 ⁷⁹	Canada	Gastroenterology	Cross-sectional	Career duration, research funding, leadership position	70	38	4	2	19	10
Henningsen 1999 ⁸⁰	Denmark	Medicine	Cross-sectional		471	206	41	2	82	18
Herrick-Reynolds 2019 ⁸¹	US	Surgery	Cross-sectional		914	149	48	2	110	7
Herzke 2020 ⁸²	US	Hospital medicine	Cross-sectional	Career duration, leadership position	52	14	19	0	18	6
Hill 2015 ⁸³	US	Gynecological oncology	Cross-sectional	H-index, leadership position	292	215	144	35	71	49
Hill 2021 ⁸⁴	US	ENT	Cross-sectional	No. of publications, career duration, h-index, citations	123	37	82	15		
Hitti 2022 ⁸⁵	Lebanon	Medicine	Cross-sectional	Career duration	258	124	32	12	27	15
Holliday 2014 ⁸⁶	US	Radiation Oncology	Cross-sectional	No. of publications, career duration,	738	293	211	34	115	54

				h-index, m-index, research funding						
Holliday 2015 ⁸⁷	US	Medicine	Cross-sectional		685	582	6	3	132	88
Hoof 2020 ⁸⁸	US	Orthopedic surgery	Retrospective cohort study	H-index, research funding	3889	434	852	50	748	91
Horowitz 2021 ⁸⁹	US	Neonatologists	Cross-sectional	No. of publications, career duration, research funding	155	186	53	28	47	50
Hosoda 2021 ⁹⁰	US	Child and adolescent psychiatry	Cross-sectional	Leadership position	629	692	129	59	117	131
Hunter 2021 ⁹¹	Canada	Surgery	Cross-sectional	Leadership position	2689	531	347	29		
Hunter 2022 ⁹²	Canada	Orthopedic surgery	Cross-sectional	Leadership position	713	96	65	1	82	10
Huynh 2022 ⁹³	US	Urology oncology	Cross-sectional	No. of publications, h- index, leadership position, citations	54	30	30	13	10	5
IbnAuf 2019 ⁹⁴	Sudan	Medicine	Cross-sectional	No. of publications, career duration	100	53	3	1	17	6
Ilin 2020 ⁹⁵	Canada	Urology	Cross-sectional	No. of publications, h- index, m-index, citations	164	22	55	4	45	4
Jagsi 2011 ⁹⁶	US	Medicine	Cross-sectional	No. of publications, career duration, research funding, leadership positions	348	190	56	23	203	108

Jagsi 2012 ⁹⁷	US	Medicine	Cross-sectional	No. of publications, research funding, leadership position	553	247	73	24	326	144
Jagsi 2013 ⁹⁸	US	Medicine	Retrospective cohort study	Career duration	593	419	4	2	111	54
Jagsi 2017 ⁹⁹	US	Medicine	Cross-sectional	No. of publications, h-index, m-index, research funding, leadership position	534	461	32	20	262	198
Jena 2015 ¹⁰⁰	US	Medicine	Cross-sectional	No. of publications, career duration, research funding	60,609	30,464	17,354	3,623	13,999	6,078
Jena 2016 ¹⁰¹	US	Medicine	Cross-sectional	No. of publications, career duration, research funding	6692	3549	2543	717	1633	869
John 2016 ¹⁰²	US	Dermatology	Cross-sectional	H-index, leadership position	586	474	182	86	135	98
John 2020 ¹⁰³	US	Gastroenterology	Cross-sectional	H-index, leadership position	1269	434	393	48	301	85
Jorge 2021 ¹⁰⁴	US	Rheumatology	Cross-sectional	No. of publications, career duration, research funding, leadership position	551	390	200	49	152	68

Kamran 2022 ¹⁰⁵	US	Radiation oncology	Cross-sectional		1500	615	358	94	370	140
		Medical oncology			507	312	199	77	103	74
Kaplan 1996 ¹⁰⁶	US	Pediatrics	Cross-sectional	No. of publications, research funding	2620	1384	859	177	774	322
Kapoor 2017 ¹⁰⁷	US	Radiology	Cross-sectional	No. of publications, career duration, research funding	402	171	146	49	92	35
Kapoor 2017 ¹⁰⁸	US	Radiology	Cross-sectional	No. of publications, career duration, research funding	3638	1451	948	239	764	266
Karol 2020 ¹⁰⁹	international	Dermatology	Cross-sectional	No. of publications, career duration, h-index, m-index, leadership position, citations	954	624	271	112	78	43
Kearns 2022 ¹¹⁰	US	Neurosurgery	Cross-sectional	Career duration, h-index, leadership position	1460	169	502	34	292	33
Khan 2019 ¹¹¹	US	Cardiology	Cross-sectional	No. of publications, career duration, h-index, research funding, leadership position, citations	471	69	255	22	139	28
Khoshpouri 2021 ¹¹²	US & Canada	Pathology	Cross-sectional	No. of publications, career duration,	3122	2106	1133	436	650	520

				h-index, leadership position, citations						
Khurshid 2018 ¹¹³	US & Canada	Breast imaging radiology	Cross-sectional	No. of publications, career duration, h-index, leadership position, citations	112	258	24	22	47	27
Kilic 2020 ¹¹⁴	US	Pathology	Cross-sectional		559	289	307	106	135	68
Kim 2022 ¹¹⁵	US	Obstetrics- gynecology	Cross-sectional	No. of publications, h- index, leadership position, citations	1391	2165	471	267	332	441
	Canada				266	423	68	38	66	105
Kishibe 2021 ¹¹⁶	Japan	Dermatology	Cross-sectional	Career duration, h-index, m-index, research funding, leadership position	505	277	15	6	80	18
Klingensmith 2006 ¹¹⁷	US	Surgery	Cross-sectional	No. of publications, career duration	267	57	113	5	81	19
Kollu 2022 ¹¹⁸	US	ENT	Cross-sectional	H-index, leadership position	121	63	43	4	30	24
Konanur 2020 ¹¹⁹	Internatio nal	Burn surgery	Cross-sectional and contact with staff	Career duration, h-index, leadership position	59	12	25	1	10	6
Krebs 2020 ¹²⁰	US	Surgery	Cross-sectional	Research funding, leadership position	117	42	83	26	27	14
Lala 2022 ¹²¹	US & Canada	Craniofacial surgery	Cross-sectional	No. of publications,	132	69	3	0	8	3

				career duration, leadership position						
Landeen 2021 ¹²²	US	Facial plastic and reconstructive surgery	Cross-sectional	Career duration, h-index, leadership position	134	48	41	4	42	9
LareseFilon 2019 ¹²³	Italy	Medicine	Cross-sectional		8125	2665	3107	322	1737	482
					6044	2680	1511	250	2195	744
LeBoedec 2021 ¹²⁴	France	Medicine	Cross-sectional		24449	23061	3210	833	744	735
Lee 2020 ¹²⁵	Korea	Emergency medicine	Cross-sectional	No. of publications, career duration, leadership position	383	54	26	1	39	7
Lee 2020 ¹²⁶	US & Canada	Public health and preventative medicine	Cross-sectional	No. of publications, career duration, h-index, leadership position, citations	872	339	552	87	126	93
Leibenluft 1993 ¹²⁷	US	Psychiatry	Cross-sectional		101	10	18	0	43	3
Leibenluft 1993 ¹²⁸	US	Psychiatry	Cross-sectional	No. of publications, career duration, research funding	1436	330	440	30	368	63
Levey 1990 ¹²⁹	US	Internal medicine	Cross-sectional	Research funding	7015	932	2252	99	1881	183
Levine 2022 ¹³⁰	US	Medicine	Cross-sectional	Career duration	1425	697	1014	360	269	184
Lewis-Stevenson 2001 ¹³¹	US	Family medicine	Cross-sectional	Research funding	747	395	129	21	233	65
Ley 2008 ¹³²	US	Medicine	Cross-sectional	Research funding	80895	40071	24696	5065	18612	7516

Linden 2022 ¹³³	US	Emergency medicine	Cross-sectional	Career duration, leadership position	8378	4589	1248	291	2055	838
Lopez 2014 ¹³⁴	US	Ophthalmology	Cross-sectional	H-index	1011	419	344	55	233	84
Maddu 2020 ¹³⁵	North America, Europe, Australia and New Zealand	Radiology	Cross-sectional	No. of publications, career duration, h-index, leadership position, citations	2043	968	822	322	481	265
Mady 2013 ¹³⁶	US	ENT	Cross-sectional	No. of publications, h-index	916	211	330	34	220	51
Malchuk 2021 ¹³⁷	international	Family medicine	Cross-sectional		2553	2406	476	256	528	450
Manne-Goehler 2020 ¹³⁸	US	Medicine	Cross-sectional	No. of publications, career duration, leadership position	622	613	389	307		
Manne-Goehler 2020 ¹³⁹	US	Infectious disease	Cross-sectional	No. of publications, career duration, research funding	1274	742	519	124	308	203
Marconi 2020 ¹⁴⁰	Argentina	Medicine	Cross-sectional	Career duration, leadership position	1217	1251	93	39		
Marini 2018 ¹⁴¹	Italy	Medicine	Cross-sectional		1185	318	219	48		
Marshall 2021 ¹⁴²	US	Internal medicine	Cross-sectional	Career duration, leadership position	162	112	11	5	49	35
Mascarenhas 2017 ¹⁴³	Canada	Medicine	Cross-sectional		54	16	25	3	13	4

Maxwell 2020 ¹⁴⁴	US	Surgery	Cross-sectional	Career duration, h-index	1543	450	275	36	281	70
Mayer 2017 ¹⁴⁵	US	Urology	Cross-sectional	Career duration, h-index, m-index, research funding, leadership position	1686	236	441	25	315	46
McClelland 2020 ¹⁴⁶	US	Radiation oncology breast	Cross-sectional	Career duration, leadership position	172	162	35	21	40	47
		Radiation oncology GU			241	47	57	3	55	14
McClelland 2020 ¹⁴⁷	US	Radiation oncology pediatric	Cross-sectional	Career duration, leadership position	43	36	14	10	11	13
McDermott 2018 ¹⁴⁸	US	Neurology	Cross-sectional	No. of publications, career duration, h-index, leadership position	1184	528	475	76	259	112
McDonald 2017 ¹⁴⁹	US	Radiology	Cross-sectional	No. of publications, h-index, m-index,	519	192	162	22	104	27
Melnick 2021 ¹⁵⁰	US	Neurosurgery	Cross-sectional	No. of publications, h-index, research funding, leadership position	1494	172	583	36	344	31
Miller 2022 ¹⁵¹	US	General surgery	Cross-sectional		359	126	118	28	64	26
		Obstetrics-gynecology			45	151	36	41	9	27
		Radiology			155	80	102	49	48	26

Moeller 2021 ¹⁵²	US	Plastic surgery	Cross-sectional	No. of publications, leadership position	766	178	182	20	158	32
Moghimi 2019 ¹⁵³	US & Canada	Nuclear medicine	Cross-sectional	No. of publications, career duration, h-index, leadership position, citations	179	58	62	9	49	10
Monroe 2015 ¹⁵⁴	US	Internal medicine	Cross-sectional	Career duration, leadership position	293	181	86	18	68	45
Mueller 2016 ¹⁵⁵	US	Surgery	Cross-sectional	No. of publications, h-index, citations	744	234	216	33	156	37
Mueller 2017 ¹⁵⁶	US	Surgery	Cross-sectional	No. of publications, h-index	160	52	59	18	45	10
Nagano 2022 ¹⁵⁷	Japan	Medicine	Cross-sectional	Career duration, h-index, research funding	43408	15743	4393	217	3220	362
Ngaage 2019 ¹⁵⁸	US	Neurosurgery	Cross-sectional	Career duration, h-index, leadership position	1350	131	447	19	280	33
Ngaage 2020 ¹⁵⁹	US	Plastic surgery	Cross-sectional	Career duration, h-index, leadership position	658	160	227	21	191	44
Ngaage 2020 ¹⁶⁰	US	Plastic surgery	Cross-sectional	Career duration, h-index, research funding,	278	38	186	19	56	5

				leadership position						
Niu 2020 ¹⁶¹	US	Radiology	Cross-sectional	Leadership position	6869	2831	1519	417	1536	570
Nonnemaker 2000 ¹⁶²	US	Medicine	Cross-sectional		15276	6664	460	59	3940	1019
Odell 2019 ¹⁶³	US & Canada	Neurosurgery	Cross-sectional	No. of publications, career duration, h-index, leadership position, citations	1592	219	501	31	379	58
Okafor 2020 ¹⁶⁴	US	Otolaryngology	Cross-sectional	No. of publications, career duration, h-index, citations	1342	412	402	56	303	87
Okoshi 2014 ¹⁶⁵	Japan	Medicine	Cross-sectional		524	132	33	1	30	1
					523	132	33	2	35	2
O'Neill 2021 ¹⁶⁶	US & Canada	Chest radiology	Cross-sectional	No. of publications, career duration, h-index, leadership position, citations	281	129	91	21	51	21
Orhurhu 2020 ¹⁶⁷	US	Chronic pain	Cross-sectional	No. of publications, career duration, h-index, m-index, citations	520	176	84	18		
Paik 2014 ¹⁶⁸	US	Plastic surgery	Cross-sectional	H-index, leadership position	426	79	101	6	93	14
Pallant 2019 ¹⁶⁹	US	Pediatrics	Cross-sectional		67	82	20	8		

Patel 2021 ¹⁷⁰	international	Hematology oncology	Cross-sectional	H-index	713	202	594	126		
Patrinely 2021 ¹⁷¹	US	Dermatology	Cross-sectional	No. of publications, career duration, leadership position	50	63	25	13		
Pattani 2022 ¹⁷²	Canada	Medicine	Cross-sectional	Career duration	180	117	61	24	47	25
Paulus 2016 ¹⁷³	US	Internal medicine	Cross-sectional		130	102	46	3	29	19
Pereira 2022 ¹⁷⁴	US	ENT	Cross-sectional	No. of publications, career duration	413	149	144	30	107	38
Perez 2019 ¹⁷⁵	international	Interventional radiology	Cross-sectional	No. of publications, career duration, h-index, career development	239	319	163	60	60	93
Perni 2021 ¹⁷⁶	US	Oncology	Cross-sectional	Career duration, h-index	81	46	20	5	12	7
Post 2012 ¹⁷⁷	US	Medicine	Cross-sectional		828	487	314	88	253	176
Qamar 2018 ¹⁷⁸	North America	Musculoskeletal radiology	Cross-sectional	No. of publications, career duration, h-index, leadership position, citations	190	84	45	11	42	17
Qamar 2020 ¹⁷⁹	Canada	Radiology	Cross-sectional	No. of publications, career duration, h-index, m-index, leadership position, citations	597	335	89	22	177	81
Qamar 2022 ¹⁸⁰	US & Canada	Radiology	Cross-sectional	No. of publications,	1787	892	438	132	483	196

				career duration, h-index, m-index, leadership position, citations						
Qin 2021 ¹⁸¹	US assumed	Female pelvic medicine and reconstructive surgery	Cross-sectional	Career duration, h-index, m-index, leadership position	150	198	56	34	37	41
Rachid 2021 ¹⁸²	Lebanon	Medicine	Cross-sectional	No. of publications, career duration, h-index, leadership position	231	93	88	17	55	29
Radford 2002 ¹⁸³	US & Canada	Breast surgery	Cross-sectional and personal communication	H-index, leadership position	63	146	37	32	19	39
Rahimy 2019 ¹⁸⁴	International	Radiation oncology	Cross-sectional	H-index, m-index, leadership position	529	196	302	78		
Raj 2016 ¹⁸⁵	US	Medicine	Cross-sectional	No. of publications, career duration, h-index, research funding	542	512	390	307		
Rakestraw 2022 ¹⁸⁶	US	Surgery	Cross-sectional	Career duration, leadership position	106	28	32	3	24	10
Rano 2021 ¹⁸⁷	Canada	Cardiology	Cross-sectional	No. of publications, career duration, h-index,	836	204	206	31	224	46

				leadership position, citations						
Reed 2011 ¹⁸⁸	US	Medicine	Cross-sectional	No. of publications, leadership position	50	25	33	7	5	3
Riaz 2017 ¹⁸⁹	US	Hematology oncology	Cross-sectional	Career duration, h-index, research funding	1310	726	503	142	300	169
Riaz 2018 ¹⁹⁰	US	Radiation oncology	Cross-sectional	No. of publications, career duration, h-index, research funding,	636	270	194	43		
Riccardi 2021 ¹⁹¹	international	Surgery	Cross-sectional	No. of publications, h-index, leadership position	54	14	34	7	12	5
Rosso 2019 ¹⁹²	France	Medicine	Cross-sectional	No. of publications	415	398	137	25		
Rotbart 2012 ¹⁹³	US	Pediatrics	Cross-sectional	Leadership position	144	118	62	19	31	39
Saboor 2022 ¹⁹⁴	US	Pediatrics	Cross-sectional		9754	11472	2612	1670	2447	9754
Sadeghpour 2012 ¹⁹⁵	US	Dermatology	Cross-sectional	No. of publications, career duration, research funding, leadership position	159	100	72	14	39	159
Saleem 2021 ¹⁹⁶	US	Neurology	Cross-sectional	Leadership position	3789	2209	1146	296	746	3789
Sandhu 2007 ¹⁹⁷	UK	Medicine	Cross-sectional		2567	688	1030	127		2567
					2649	716	1231	133		2649

Santamaria-Barria 2019 ¹⁹⁸	US	Surgical oncology	Cross-sectional	Career duration, leadership position	588	334	107	46	156	588
Sasor 2018 ¹⁹⁹	US	Plastic surgery	Cross-sectional	No. of publications, career duration, h-index, research funding, leadership position, citations	678	136	197	9	148	678
Selter 2020 ²⁰⁰	US	Reproductive endocrinology	Cross-sectional	Leadership position	129	134	71	30	31	129
Selter 2021 ²⁰¹	US	Reproductive endocrinology	Cross-sectional	Career duration, leadership position	65	70	47	34	16	65
Shah 2018 ²⁰²	US & Canada	Dermatology	Cross-sectional	No. of publications, career duration, h-index, leadership position, citations	852	784	310	124	175	852
Shah 2020 ²⁰³	US	Orthopedic surgery	Cross-sectional		1430	133	386	5	351	1430
Shah 2022 ²⁰⁴	US	Medicine	Cross-sectional	Leadership position	103576	72917	28743	9395	22319	103576
Shaikh 2019 ²⁰⁵	international	Neurosurgery	Cross-sectional	No. of publications, career duration, h-index, m-index, research funding, leadership position, citations	294	34	162	19	49	294

Sheikh 2018 ²⁰⁶	US	Psychiatry	Cross-sectional	H-index, leadership position	3053	2181	818	272	579	3053
Sherman 1992 ²⁰⁷	US	Medicine	Cross-sectional	Career duration	38049	7171	11291	624	9177	1374
					51647	13580	15941	1256	12900	2564
Shih 2019 ²⁰⁸	US	Dermatology	Cross-sectional	Career duration, h-index, m-index,	316	369	99	56	83	83
Silva 2020 ²⁰⁹	US	Neurosurgery	Cross-sectional	Career duration, h-index, research funding	255	88	123	24	52	21
Silver 2018 ²¹⁰	US	Physiatry	Cross-sectional	Leadership position	20	13	3	1	7	5
Smith 2019 ²¹¹	US	Plastic Surgery	Cross-sectional	Leadership position	746	184				
Sperling 2019 ²¹²	US	Maternal fetal medicine	Cross-sectional	No. of publications, career duration, h-index, research funding	312	347	174	72	69	94
Stewart 2020 ²¹³	US	Dermatology	Cross-sectional	No. of publications, career duration, research funding	178	206	67	35	44	46
Suurna 2021 ²¹⁴	US	ENT	Cross-sectional		19	5	7	0	6	0
	US	Surgery	Cross-sectional	Career duration	225	120	55	6	54	12
Tanya 2021 ²¹⁵	Canada	Ophthalmology	Cross-sectional	H-index	481	178	72	18	96	25
Tesch 1995 ²¹⁶	US	Medicine	Cross-sectional	No. of publications, research funding	263	153	23	5	60	54
Thompson 2021 ²¹⁷	US	Dermatology	Cross-sectional	No. of publications, career duration, h-index, research funding,	82	40	63	23	4	10

				leadership position						
Tiedt 2022 ²¹⁸	US	Pediatrics	Retrospective cohort study		42	62	14	12	11	22
Tiwana 2021 ²¹⁹	US & Canada	Medical biochemistry	Cross-sectional	No. of publications, career duration, h-index, leadership position, citations	89	58	41	24	28	12
Tomei 2014 ²²⁰	US	Neurosurgery	Cross-sectional	H-index	959	93	389	15	204	29
Tucker 2022 ²²¹	US	ENT	Cross-sectional	Career duration, research funding	87	38	21	9	35	14
Valsangkar 2016 ²²²	US	Surgery	Cross-sectional	No. of publications, research funding, leadership position, citations	3087	928	1272	211	833	256
Vydareny 2000 ²²³	presumed US	Radiology	Cross-sectional	No. of publications, career duration, research funding, leadership position	494	213	176	40	116	55
Wagner 2007 ²²⁴	US	Rehabilitation medicine	Cross-sectional	No. of publications, career duration, research funding, leadership position	164	107	49	9	45	24
Waisbren 2008 ²²⁵	US	Medicine	Cross-sectional	Research funding	3557	1884	486	62	746	176
Waljee 2015 ²²⁶	US	Medicine	Cross-sectional		460	265	145	25	100	39
					478	316	153	39	101	47
					370	283	154	35	89	46

Wallis 1981 ²²⁷	US	Medicine	Cross-sectional	Career duration	949	112	142	8	265	26
Wang 2019 ²²⁸	US & Canada	Interventional radiology	Cross-sectional	No. of publications, career duration, h-index, leadership position, citations	353	37	54	3	90	12
Waseem 2019 ²²⁹	international	Endocrinology	Cross-sectional	No. of publications, career duration, h-index, leadership position, citations	360	164	175	54	33	18
Wilkes 2015 ²³⁰	Great Britain & Ireland	Neurosurgery	Cross-sectional	H-index, m-index,	290	25	16	0		
Willett 2015 ²³¹	US	Internal medicine	Cross-sectional	Career duration	169	72	54	13	60	32
Williams 2019 ²³²	US	Cardiothoracic surgery	Cross-sectional	No. of publications, h-index	867	85	289	14	219	22
Winkelman 2020 ²³³	US	Female pelvic medicine and reconstructive surgery	Cross-sectional	No. of publications, career duration, h-index, research funding, leadership position	32	53	12	17	14	12
Wise 2004 ²³⁴	Canada	Obstetrics and gynecology	Cross-sectional	Career duration	181	109	53	5	37	24
Wooding 2020 ²³⁵	US	Obstetrics and gynecology	Cross-sectional	Leadership position	2281	4021	709	406	503	675
					2439	2316	699	188	588	389
Woodward 2017 ²³⁶	US	Gastroenterology	Cross-sectional	Leadership position	130	11	103	6	18	2
					62	26	16	0	10	3

					118	27	45	4	39	9
Wright 2003 ²³⁷	US	Medicine	Cross-sectional	No. of publications, career duration, leadership position	297	116	150	16	82	26
Wu 2019 ²³⁸	North America, Europe, Oceania	Surgery	Cross-sectional	No. of publications, career duration, h-index, leadership position, citations	220	48	122	14	30	6
Xierali 2021 ²³⁹	US	Medicine	Cross-sectional		52126	23103	6757	3363	15470	7583
Yang 2019 ²⁴⁰	US & Canada	Physical Medicine and Rehabilitation	Cross-sectional	No. of publications, h-index, leadership position, citations	647	387	129	34	133	77
Yue 2020 ²⁴¹	Canada	Orthopedic surgery	Cross-sectional	H-index, leadership position	620	93	98	8	128	14
Zhang 2021 ²⁴²	US	Physical Medicine and Rehabilitation	Cross-sectional	Leadership position	677	552	115	43	154	92
Zhu 2021 ²⁴³	US	Surgery	Cross-sectional	Leadership position	10465	2109	2794	222	13259	2331
Zulfiqar 2021 ²⁴⁴	US & Canada	Radiology	Cross-sectional	No. of publications, career duration, h-index, leadership position, citations	214	118	59	26	59	28

1. Abelson JS, Chartrand G, Moo TA, Moore M, Yeo H. The climb to break the glass ceiling in surgery: trends in women progressing from medical school to surgical training and academic leadership from 1994 to 2015. *American Journal of Surgery*. 2016;212(4):566-572.e561.
2. Agaronnik N, Xiong GX, Uzosike A, et al. The role of gender in academic productivity, impact, and leadership among academic spine surgeons. *Spine Journal*. 2022;22(5):716-722.
3. Aggarwal A, Rosen CB, Nehemiah A, et al. Is There Color or Sex Behind the Mask and Sterile Blue? Examining Sex and Racial Demographics Within Academic Surgery. *Ann Surg*. 2021;273(1):21-27.
4. Ahmadi M, Khurshid K, Sanelli PC, et al. Influences for Gender Disparity in Academic Neuroradiology. *Ajnr: American Journal of Neuroradiology*. 2018;39(1):18-23.
5. Al-Tamimi DM. Saudi women in academic medicine - Are they succeeding? *Saudi Med. J*. 2004;25(11):1564-1567.
6. Ammann A, Fakunle D, Delman A, et al. Do Gender Disparities in Promotion and Academic Achievement Exist among Transplant Surgical Faculty? *American Journal of Transplantation*. 2022;22(SUPPL 1):23.
7. Ammann AM, Delman AM, Bethi M, Turner KM, Sedaghat AR, Holm TM. Gender Disparities in Academic Productivity and Promotion Among Endocrine Surgery Faculty. *Journal of Surgical Research*. 2022;277:335-341.
8. Anderson P. Descriptive Study of Salaried Medical School Faculty: Association of American Medical Colleges, Division of Operational Studies, One Dupont Circle, N.W., Washington, D.C. 20036; 1975.
9. Ash AS, Carr PL, Goldstein R, Friedman RH. Compensation and advancement of women in academic medicine: is there equity? *Ann Intern Med*. 2004;141(3):205-212.
10. Atwan Y, Charron BP, Sidhu S, Cavanagh J, Degen R. Publication Productivity Among Academic Orthopaedic Surgeons in Canada. *Cureus*. 2020;12(6):e8441.
11. Aven Sidhu SJ, Khosa F. Prevalence of Gender Disparity in Professional Societies of Family Medicine: A Global Perspective. *Cureus*. 2020;12(5).
12. Bachour K, Dodge SE, Kearing S, Douglas PS, Wong S, Coylewright M. Predicting When Women Will Achieve Equitable Representation in Four Specialties: The WHEN Study. *American Journal of Medicine*. 2022;135(5):650-653.
13. Battaglia F, Shah S, Jalal S, et al. Gender disparity in academic emergency radiology. *Emergency Radiology*. 2019;26(1):21-28.
14. Battaglia F, Farhan SA, Narmeen M, et al. Does gender influence leadership roles in academic surgery in the United States of America? A cross-sectional study. *Int J Surg*. 2020;83:67-74.
15. Beeler WH, Griffith KA, Jones RD, et al. Gender, Professional Experiences, and Personal Characteristics of Academic Radiation Oncology Chairs: Data to Inform the Pipeline for the 21st Century. *International Journal of Radiation Oncology, Biology, Physics*. 2019;104(5):979-986.
16. Behmer Hansen RT, Silva NA, Cuevas R, et al. Fellowship, gender, and scholarly productivity: trends among academic neurosurgeons in the US. *J Neurosurg*. 2020:1-9.
17. Bennett CL, Raja AS, Kapoor N, et al. Gender Differences in Faculty Rank Among Academic Emergency Physicians in the United States. *Acad Emerg Med*. 2019;26(3):281-285.
18. Bi AS, Fisher ND, Bletnitsky N, Rao N, Egol KA, Karamitopoulos M. Representation of Women in Academic Orthopaedic Leadership: Where Are We Now? *Clinical Orthopaedics and Related Research*. 2022;480(1):45-56.
19. Bickel J, Quinnie R. *Women in Medicine: Statistics* 1991.
20. Bickel J, Quinnie R. *Women in Medicine: Statistics* 1992.

21. Bickel J, et al. Women in Academic Medicine: Statistics 1993.
22. Bin Riaz I, Siddiqi R, Zahid U, et al. Gender Differences in Faculty Rank and Leadership Positions Among Hematologists and Oncologists in the United States. *JCO Oncol. Pract.* 2020;16(6):335-+.
23. Bissing MA, Lange EMS, Davila WF, et al. Status of Women in Academic Anesthesiology: A 10-Year Update. *Anesthesia & Analgesia.* 2019;128(1):137-143.
24. Bliss LA, Vitellas CA, Challa N, Lee VH. Sex differences in faculty rank among academic vascular neurologists in the united states. *Stroke. Conference: American Stroke Association International Stroke Conference, ISC.* 2021;52(SUPPL 1).
25. Blumenthal DM, Olenski A, Yeh R, DeFaria-Yeh D, Wood M, Jena A. Sex differences in academic rank among cardiologists at us medical schools in 2014. *Journal of the American College of Cardiology.* 2016;1):2035.
26. Blumenthal DM, Olenski AR, Yeh RW, et al. Sex Differences in Faculty Rank Among Academic Cardiologists in the United States. *Circulation.* 2017;135(6):506-517.
27. Blumenthal DM, Bergmark RW, Raol N, Bohnen JD, Eloy JA, Gray ST. Sex Differences in Faculty Rank Among Academic Surgeons in the United States in 2014. *Ann Surg.* 2018;268(2):193-200.
28. Blumenthal KG, Huebner EM, Banerji A, et al. Sex differences in academic rank in allergy/immunology. *Journal of Allergy & Clinical Immunology.* 2019;144(6):1697-1702.e1691.
29. Boerman LM, Bullens AJM, van der Wal RAB. Gender disparity in academic performance in anaesthesiology in the Benelux. *Br J Anaesth.* 2020;124(3):e79-e80.
30. Breyer BN, Butler C, Fang R, et al. Promotion Disparities in Academic Urology. *Urology.* 2020;138:16-23.
31. Brisbin AK, Chen W, Goldschmidt E, Smith BT, Bourne DA. Gender Diversity in Hand Surgery Leadership. *Hand (New York, N.Y.).* 2022;15589447211038679.
32. Brower BA, Butterworth ML, Crawford ME, et al. The Podiatric Medical Profession: A Gender Comparison. *Journal of Foot & Ankle Surgery.* 2020;59(5):997-1007.
33. Camacci ML, Ikpo B, Lehman E, Scott IU, Bowie EM, Pantanelli S. Gender differences in publication productivity, academic promotion, and NIH funding among vitreoretinal faculty members in the United States. *Investigative Ophthalmology and Visual Science. Conference.* 2020;61(7).
34. Camacci ML, Ikpo B, Lehman EB, et al. Gender disparities among United States academic pediatric ophthalmologists: an analysis of publication productivity, academic rank, and NIH funding. *Journal of Aapos: American Association for Pediatric Ophthalmology & Strabismus.* 2020;24(6):337.e331-337.e336.
35. Capek L. Plastic surgeons: A gender comparison. *Plastic and Reconstructive Surgery.* 1997;99(2):289-299.
36. Carnevale M, Phair J, Batarseh P, LaFontaine S, Koelling E, Koleilat I. Gender disparities in academic vascular surgeons. *J Vasc Surg.* 2020;72(4):1445-1450.
37. Carpenter AM, Tan SA, Costopoulos K, Cooper LA, Sarosi GA, Shaw CM. Gender Diversity in General Surgery Residency Leadership. *J Surg Educ.* 2018;75(6):e68-e71.
38. Carr PL, Ash AS, Friedman RH, et al. Relation of family responsibilities and gender to the productivity and career satisfaction of medical faculty. *Ann Intern Med.* 1998;129(7):532-538.
39. Carr PL, Raj A, Kaplan SE, Terrin N, Breeze JL, Freund KM. Gender Differences in Academic Medicine: Retention, Rank, and Leadership Comparisons From the National Faculty Survey. *Acad Med.* 2018;93(11):1694-1699.
40. Casciato DJ, Cravey KS, Barron IM. Scholarly Productivity Among Academic Foot and Ankle Surgeons Affiliated With US Podiatric Medicine and Surgery Residency and Fellowship Training Programs. *Journal of Foot & Ankle Surgery.* 2021;30:30.

41. Chander S, Shelly S, Tiwana MH, et al. Racial and Gender Profile of Public Health Faculty in the United States of America. *Cureus*. 2022;14(5):e24998.
42. Chaudhary AMD, Naveed S, Siddiqi J, Mahmood A, Khosa F. US Psychiatry Faculty: Academic Rank, Gender and Racial Profile. *Acad Psychiatry*. 2020;44(3):260-266.
43. Chauvin S, Mulsant BH, Sockalingam S, Stergiopoulos V, Taylor VH, Vigod SN. Gender Differences in Research Productivity among Academic Psychiatrists in Canada. *Canadian Journal of Psychiatry - Revue Canadienne de Psychiatrie*. 2019;64(6):415-422.
44. Chen ST, Jalal S, Ahmadi M, et al. Influences for Gender Disparity in Academic Family Medicine in North American Medical Schools. *Cureus*. 2020;12(5):e8368.
45. Chiam M, Camacci ML, Lehman EB, Chen MC, Vora GK, Pantanelli SM. Sex Differences in Academic Rank, Scholarly Productivity, National Institutes of Health Funding, and Industry Ties Among Academic Cornea Specialists in the United States. *Am J Ophthalmol*. 2021;222:285-291.
46. Cydulka RK, D'Onofrio G, Schneider S, Emerman CL, Sullivan LM, Force SWMT. Women in academic emergency medicine. *Acad. Emerg. Med*. 2000;7(9):999-1007.
47. Danic A, Hadzibegovic I, Loparic M. Status of women in small academic medical communities: Case study of the Zagreb University School of Medicine. *Croatian Medical Journal*. 2003;44(1):32-35.
48. Das D, Geynisman-Tan J, Mueller M, Kenton K. The Leadership Landscape: The Role of Gender in Current Leadership Positions in Obstetrics and Gynecology Departments. *Journal of Minimally Invasive Gynecology*. 2022;29(8):952-960.
49. Deipolyi AR, Becker AS, Covey AM, et al. Gender disparity in industry relationships with academic interventional radiology physicians. *American Journal of Roentgenology*. 2020;215(2):494-501.
50. Dial TH, Bickel J, Lewicki AM. Sex differences in rank attainment among radiology and internal medicine faculty. *Acad Med*. 1989;64(4):198-202.
51. Diamond SJ, Thomas CR, Jr., Desai S, et al. Gender Differences in Publication Productivity, Academic Rank, and Career Duration Among U.S. Academic Gastroenterology Faculty. *Acad Med*. 2016;91(8):1158-1163.
52. Dorismond C, Prince AC, Farzal Z, Zanation AM. Long-Term Academic Outcomes of Triological Society Research Career Development Award Recipients. *Laryngoscope*. 2021;131(2):288-293.
53. Dossani RH, Terrell D, Kosty JA, et al. Gender disparities in academic rank achievement in neurosurgery: a critical assessment. *J Neurosurg*. 2019:1-6.
54. Dresler CM, Padgett DL, MacKinnon SE, Patterson GA. Experiences of women in cardiothoracic surgery. A gender comparison. *Arch Surg*. 1996;131(11):1128-1134; discussion 1135.
55. D'Souza RS, Langford B, Moeschler S. Gender Representation in Fellowship Program Director Positions in ACGME-Accredited Chronic Pain and Acute Pain Fellowship Programs. *Pain Med*. 2021;22(6):1360-1366.
56. Dubosh NM, Boyle KL, Carreiro S, Yankama T, Landry AM. Gender differences in funding among grant recipients in emergency medicine: A multicenter analysis. *Am J Emerg Med*. 2020;38(7):1357-1361.
57. Duma N, Durani U, Woods CB, et al. Evaluating Unconscious Bias: Speaker Introductions at an International Oncology Conference. *J. Clin. Oncol*. 2019;37(36):3538-+.
58. Ellinas EH, Best JA, Kowalski AM, et al. Representation of Women on Journal Editorial Boards Affiliated with the Association of American Medical College's Council of Faculty and Academic Societies. *J. Womens Health*. 2021;30(8):1095-1106.
59. Eloy JA, Svider PF, Cherla DV, et al. Gender disparities in research productivity among 9952 academic physicians. *Laryngoscope*. 2013;123(8):1865-1875.

60. Eloy JA, Mady LJ, Svider PF, et al. Regional differences in gender promotion and scholarly productivity in otolaryngology. *Otolaryngology - Head & Neck Surgery*. 2014;150(3):371-377.
61. Epperson M, Gouveia CJ, Tabangin ME, et al. Female Representation in Otolaryngology Leadership Roles. *Laryngoscope*. 2020;130(7):1664-1669.
62. Esslinger EN, Van der Westhuizen M, Jalal S, Masud S, Khosa F. Gender-Based Disparity in Academic Ranking and Research Productivity Among Canadian Anesthesiology Faculty. *Cureus*. 2020;12(11).
63. Fahy BG, Culley DJ, Almualim M, et al. Academic achievement and gender among adult critical care program directors. *Journal of Critical Care*. 2021;63:139-145.
64. Farrell K, Holguin M, Lopez S, Witte MH. Women Physicians in Medical Academia: A National Statistical Survey. *JAMA: The Journal of the American Medical Association*. 1979;241(26):2808-2812.
65. Freund K, Raj A, Terrin N, et al. Progress or stalemate in academic gender disparities? 15 year follow up of the national faculty survey. *Journal of General Internal Medicine*. 2014;1):S184-S185.
66. Garstka ME, Randolph GW, Haddad AB, et al. Gender disparities are present in academic rank and leadership positions despite overall equivalence in research productivity indices among senior members of American Head and Neck Society (AHNS) Fellowship Faculty. *Head & Neck*. 2019;41(11):3818-3825.
67. Gawad N, Tran A, Martel AB, et al. Gender and academic promotion of Canadian general surgeons: a cross-sectional study. *CMAJ open*. 2020;8(1):E34-E40.
68. Geltzeiler CB, Kelley KA, Srikanth P, et al. Does Sex Influence Publication Productivity Among Colorectal Surgeons Participating in Fellowship Training Programs? *Diseases of the Colon & Rectum*. 2017;60(5):537-543.
69. Gjerde C. Faculty promotion and publication rates in family medicine: 1981 versus 1989. *Fam Med*. 1994;26(6):361-365.
70. Gold JA, Roubinov D, Jia LS, et al. Gender Differences in Endowed Chairs in Medicine at Top Schools. *JAMA Intern Med*. 2020;180(10):1391-1394.
71. Goswami AK, Kokabi N, Khaja MS, et al. Academic Radiology in the United States: Defining Gender Disparities in Faculty Leadership and Academic Rank. *Acad Radiol*. 2021;24:24.
72. Graham LS, Sokolova AO, Khaki AR, Wu QV, Davidson NE. Gender Differences in Faculty Rank and Subspecialty Choice among Academic Medical Oncologists: Taylor & Francis Ltd; 2021.
73. Griffith PJ, Farlee C, Association of American Medical Colleges WDC. Description of Salaried Medical School Faculty, 1971-72 and 1976-77. Final Report 1977.
74. Grose E, Chen T, Siu J, Campisi P, Witterick IJ, Chan Y. National Trends in Gender Diversity among Trainees and Practicing Physicians in Otolaryngology-Head and Neck Surgery in Canada. *JAMA Otolaryngology - Head and Neck Surgery*. 2022;148(1):13-19.
75. Guss ZD, Chen Q, Hu C, Guss LG, DeWeese TL, Terezakis SA. Differences in Physician Compensation Between Men and Women at United States Public Academic Radiation Oncology Departments. *International Journal of Radiation Oncology, Biology, Physics*. 2019;103(2):314-319.
76. Hamidizadeh R, Jalal S, Pindiprolu B, et al. Influences for gender disparity in the radiology societies in North America. *American Journal of Roentgenology*. 2018;211(4):831-838.
77. Harrington KA, Chang G. Women in academic musculoskeletal radiology. *Clin. Imaging*. 2018;52:180-182.
78. Harris CA, Banerjee T, Cramer M, et al. Editorial (Spring) Board? Gender Composition in High-impact General Surgery Journals Over 20 Years. *Ann. Surg*. 2019;269(3):582-588.

79. Heathcote J, Cauch-Dudek K, Rhyne D. The professional lives of women in gastroenterology: a Canadian comparison study with men. *Gastroenterology*. 1997;113(2):669-674.
80. Henningsen I, Colding H. [Professional prestige and gender--clinical scientific staff in Copenhagen as an example]. *Ugeskr Laeger*. 1999;161(43):5924-5927.
81. Herrick-Reynolds K, Brooks D, Wind G, Jackson P, Latham K. Military Medicine and the Academic Surgery Gender Gap. *Mil Med*. 2019;184(9-10):383-387.
82. Herzke C, Bonsall J, Bertram A, Yeh HC, Apfel A, Cofrancesco J, Jr. Gender Issues in Academic Hospital Medicine: a National Survey of Hospitalist Leaders. *J Gen Intern Med*. 2020;35(6):1641-1646.
83. Hill EK, Blake RA, Emerson JB, et al. Gender Differences in Scholarly Productivity Within Academic Gynecologic Oncology Departments. *Obstetrics & Gynecology*. 2015;126(6):1279-1284.
84. Hill RG, Boeckermann LM, Huwyler C, Jiang N. Academic and Gender Differences Among U.S. Otolaryngology Board Members. *Laryngoscope*. 2021;131(4):731-736.
85. Hitti E, Hadid D, Khoury SJ, Tamim H, Makki M, Karam CM. Domestic tethers: Gender differences in career paths and domestic responsibilities of top-research medical school graduates. *PLoS ONE*. 2022;17(4 April) (no pagination).
86. Holliday EB, Jagsi R, Wilson LD, Choi M, Thomas Jr CR, Fuller CD. Gender differences in publication productivity, academic position, career duration and funding among US academic radiation oncology faculty. *Academic medicine: journal of the Association of American Medical Colleges*. 2014;89(5):767.
87. Holliday E, Griffith KA, De Castro R, Stewart A, Ubel P, Jagsi R. Gender Differences in Resources and Negotiation Among Highly Motivated Physician-Scientists. *J. Gen. Intern. Med*. 2015;30(4):401-407.
88. Hoof MA, Sommi C, Meyer LE, Bird ML, Brown SM, Mulcahey MK. Gender-related Differences in Research Productivity, Position, and Advancement Among Academic Orthopaedic Faculty Within the United States. *Journal of the American Academy of Orthopaedic Surgeons*. 2020;28(21):893-899.
89. Horowitz E, Randis TM, Samnaliev M, Savich R. Equity for women in medicine-neonatologists identify issues. *Journal of Perinatology*. 2021;41(3):435-444.
90. Hosoda M, Veenstra-VanderWeele J, Stroeh OM. Gender Disparities in the Child Psychiatry Ranks. *Journal of the American Academy of Child & Adolescent Psychiatry*. 2021;60(7):793-795.
91. Hunter J, Crofts H, Keehn A, Schlagintweit S, Luc JGY, Lefavre KA. Gender imbalance amongst promotion and leadership in academic surgical programs in Canada: A cross-sectional Investigation. *PLoS ONE*. 2021;16(8):e0256742.
92. Hunter J, Grewal R, Nam D, Lefavre KA. Gender disparity in academic orthopedic programs in Canada: a cross-sectional study. *Canadian journal of surgery*. 2022;Journal canadien de chirurgie. 65(2):E159-E169.
93. Huynh MJ, Ghosh A, Yeap BY, Zietman AL, Vapiwala N, Kamran SC. Longitudinal trends of "manels" and gender representation at the ASCO Genitourinary Cancers Symposium. *Journal of Clinical Oncology. Conference*. 2022;40(6 SUPPL).
94. Ibn Auf A, Awadalla H, Ahmed ME, Ahmed MH. Comparing the participation of men and women in academic medicine in medical colleges in Sudan: A cross-sectional survey. *J*. 2019;8:31.
95. Ilin J, Langlois E, Jalal S, Khosa F. Gender disparity within academic Canadian urology. *Can Urol Assoc J*. 2020;14(4):106-110.
96. Jagsi R, DeCastro R, Griffith KA, et al. Similarities and differences in the career trajectories of male and female career development award recipients. *Acad Med*. 2011;86(11):1415-1421.

97. Jagsi R, Griffith KA, Stewart A, Sambuco D, DeCastro R, Ubel PA. Gender differences in the salaries of physician researchers. *JAMA*. 2012;307(22):2410-2417.
98. Jagsi R, Griffith KA, Stewart A, Sambuco D, DeCastro R, Ubel PA. Gender Differences in Salary in a Recent Cohort of Early-Career Physician-Researchers. *Acad. Med.* 2013;88(11):1689-1699.
99. Jagsi R, Griffith KA, Jones RD, Stewart A, Ubel PA. Factors Associated With Success of Clinician-Researchers Receiving Career Development Awards From the National Institutes of Health: A Longitudinal Cohort Study. *Acad Med.* 2017;92(10):1429-1439.
100. Jena AB, Khullar D, Ho O, Olenski AR, Blumenthal DM. Sex Differences in Academic Rank in US Medical Schools in 2014. *JAMA*. 2015;314(11):1149-1158.
101. Jena AB, Olenski AR, Blumenthal DM. Sex Differences in Physician Salary in US Public Medical Schools. *JAMA Intern Med.* 2016;176(9):1294-1304.
102. John AM, Gupta AB, John ES, Lopez SA, Lambert WC. A gender-based comparison of promotion and research productivity in academic dermatology. *Dermatol Online J.* 2016;22(4):18.
103. John JJ, John ES, Pioppo L, Gupta A, Chokhavatia S, Tilara A. Gender Disparity in Academic Gastroenterology: Beginning of the End of the Underrepresentation of Women? *Digestive Diseases & Sciences.* 2020;03:03.
104. Jorge A, Bolster M, Fu X, et al. The Association Between Physician Gender and Career Advancement Among Academic Rheumatologists in the United States. *Arthritis & Rheumatology.* 2021;73(1):168-172.
105. Kamran SC, Niemierko A, Deville C, Vapiwala N. Diversity Trends by Sex and Underrepresented in Medicine Status among US Radiation and Medical Oncology Faculty over 5 Decades. *JAMA Oncology.* 2022;8(2):221-229.
106. Kaplan SH, Sullivan LM, Dukes KA, Phillips CF, Kelch RP, Schaller JG. Sex differences in academic advancement. Results of a national study of pediatricians. *N Engl J Med.* 1996;335(17):1282-1289.
107. Kapoor N, Blumenthal DM, Smith SE, Ip IK, Khorasani R. Gender Differences in Academic Rank of Radiologists in U.S. Medical Schools. *Radiology.* 2017;283(1):140-147.
108. Kapoor N, Blumenthal DM, Smith SE, Ip IK, Khorasani R. Sex Differences in Radiologist Salary in U.S. Public Medical Schools. *AJR Am J Roentgenol.* 2017;209(5):953-958.
109. Karol DL, Sheriff L, Jalal S, et al. Gender disparity in dermatologic society leadership: A global perspective. *International Journal of Women's Dermatology.* 2020.
110. Kearns KN, Rabinovich EP, Shabo L, Shaffrey ME, Jane JA, Park MS. Gender Equity of Promoting Practices in Academic Neurosurgery in the United States. *World Neurosurgery.* 2022;158:139-147.
111. Khan MS, Usman MS, Siddiqi TJ, et al. Women in Leadership Positions in Academic Cardiology: A Study of Program Directors and Division Chiefs. *J Womens Health (Larchmt).* 2019;28(2):225-232.
112. Khoshpouri P, Bahar R, Ebrahimi A, et al. The Beginning of the End. *Am J Clin Pathol.* 2021;155(6):873-878.
113. Khurshid K, Shah S, Ahmadi M, et al. Gender Differences in the Publication Rate Among Breast Imaging Radiologists in the United States and Canada. *Am. J. Roentgenol.* 2018;210(1):2-7.
114. Kilic I, Nigdelioglu R, Lapadat R, et al. Current state of Grand Rounds in U.S. pathology training programs. *Annals of Diagnostic Pathology.* 2020;46:151484.
115. Kim KY, Kearsley EL, Yang HY, et al. Sticky Floor, Broken Ladder, and Glass Ceiling in Academic Obstetrics and Gynecology in the United States and Canada. *Cureus.* 2022;14(2):e22535.
116. Kishibe M, Saijo Y, Igawa S, et al. Gender disparities in academic dermatology in Japan: Results from the first national survey. *J Dermatol Sci.* 2021;102(1):2-6.

117. Klingensmith ME, Anderson KD. Educational scholarship as a route to academic promotion: A depiction of surgical education scholars. *American Journal of Surgery*. 2006;191(4):533-537.
118. Kollu T, Giutashvili T, Uppal P, Ruffner R, Mortensen M. Diversity in Academic Laryngology: An Evaluation of Academic Advancement and Research Productivity. *Laryngoscope*. 2022;132(6):1245-1250.
119. Konanur A, Egro FM, Kettering CE, et al. Gender disparities among burn surgery leadership. *Journal of Burn Care and Research*. 2020;41(3):674-680.
120. Krebs ED, Narahari AK, Cook-Armstrong IO, et al. The Changing Face of Academic Surgery: Overrepresentation of Women among Surgeon-Scientists with R01 Funding. *J Am Coll Surg*. 2020;231(4):427-433.
121. Lala BM, Salvador TM, Wang F, Shah J, Ricci JA. Gender Disparities Among Craniofacial Surgeons. *Cleft Palate-Craniofac. J.*:8.
122. Landeen KC, Xie YJ, Moran ML, Yang SYF. Female Representation and Academic Leadership in Facial Plastic and Reconstructive Surgery. *Laryngoscope*.5.
123. Larese Filon F, Paniz E, Prodi A. The gender gap in Italian academic medicine from 2005 to 2015: still a glass ceiling. *Med Lav*. 2019;110(1):29-36.
124. Le Boedec A, Anthony N, Vigneau C, et al. Gender inequality among medical, pharmaceutical and dental practitioners in French hospitals: Where have we been and where are we now? *PLoS ONE*. 2021;16(7):14.
125. Lee D, Jalal S, Nasrullah M, Ding J, Sanelli P, Khosa F. Gender Disparity in Academic Rank and Productivity Among Public Health Physician Faculty in North America. *Cureus*. 2020;12(6):12.
126. Lee MJ, Kim C. Breaking the gender gap: A two-part observational study of the gender disparity among Korean Academic Emergency Physicians. *Journal of Preventive Medicine and Public Health*. 2020;53(5):362-370.
127. Leibenluft E, Dial TH, Haviland MG, Pincus HA. Sex differences in rank attainment and research activities among academic psychiatrists. *Arch Gen Psychiatry*. 1993;50(11):896-904.
128. Leibenluft E, Haviland MG, Dial TH, Robinowitz CB. Gender differences in faculty retention and rank attainment in academic departments of psychiatry. *Acad Psychiatry*. 1993;17(2):73-76.
129. Levey BA, Gentile NO, Jolly HP, Beaty HN, Levey GS. Comparing research activities of women and men faculty in departments of internal medicine. *Acad Med*. 1990;65(2):102-106.
130. Levine RB, Walling A, Chatterjee A, Skarupski KA. Factors Influencing Retirement Decisions of Senior Faculty at U.S. Medical Schools: Are There Gender-Based Differences? *Journal of Women's Health*. 2022;31(7):974-982.
131. Lewis-Stevenson S, Hueston WJ, Mainous AG, 3rd, Bazell PC, Ye X. Female and underrepresented minority faculty in academic departments of family medicine: are women and minorities better off in family medicine? *Fam Med*. 2001;33(6):459-465.
132. Ley TJ, Hamilton BH. Sociology. The gender gap in NIH grant applications. *Science*. 2008;322(5907):1472-1474.
133. Linden JA, Baird J, Madsen TE, et al. Diversity of leadership in academic emergency medicine: Are we making progress? *Am. J. Emerg. Med*. 2022;57:6-13.
134. Lopez SA, Svider PF, Misra P, Bhagat N, Langer PD, Eloy JA. Gender differences in promotion and scholarly impact: an analysis of 1460 academic ophthalmologists. *J Surg Educ*. 2014;71(6):851-859.
135. Maddu K, Amin P, Jalal S, et al. Gender Disparity in Radiology Society Committees and Leadership in North America and Comparison with Other Continents. *Current Problems in Diagnostic Radiology*. 2020.
136. Mady LJ, Svider PF, Kalyoussef E, et al. Regional differences in gender promotion and scholarly productivity. *Otolaryngology - Head and Neck Surgery (United States)*. 2013;1:P51-P52.

137. Malchuk AM, Coffman M, Wilkinson E, Jabbarpour Y. Gender concordance of first and senior authors in family medicine journals. *Family Medicine*. 2021;53(2):92-97.
138. Manne-Goehler J, Freund KM, Raj A, et al. Evaluating the Role of Self-Esteem on Differential Career Outcomes by Gender in Academic Medicine. *Acad Med*. 2020;95(10):1558-1562.
139. Manne-Goehler J, Kapoor N, Blumenthal DM, Stead W. Sex Differences in Achievement and Faculty Rank in Academic Infectious Diseases. *Clin Infect Dis*. 2020;70(2):290-296.
140. Marconi A, Knopoff EG, Irurzun AM, et al. University teaching in health: Analysis of the distribution between job types and gender. [Spanish]. *Salud(i)Ciencia*. 2020;23(8):619-625.
141. Marini G, Meschitti V. The trench warfare of gender discrimination: evidence from academic promotions to full professor in Italy. *Scientometrics*. 2018;115(2):989-1006.
142. Marshall AL, Halvorsen AJ, Kearns L, Reich LM, West CP, Oxentenko AS. Disparities in Salary and Work-Life Integration in Internal Medicine Program Directors Are Associated with Gender and Partner Employment Status. *American Journal of Medicine*. 2021;134(2):285-291.e281.
143. Mascarenhas A, Moore JE, Tricco AC, et al. Perceptions and experiences of a gender gap at a Canadian research institute and potential strategies to mitigate this gap: a sequential mixed-methods study. *CMAJ Open*. 2017;5(1):E144-e151.
144. Maxwell JH, Randall JA, Dermody SM, et al. Gender and compensation among surgical specialties in the Veterans Health Administration. *Am J Surg*. 2020;220(2):256-261.
145. Mayer EN, Lenherr SM, Hanson HA, Jessop TC, Lowrance WT. Gender Differences in Publication Productivity Among Academic Urologists in the United States. *Urology*. 2017;103:39-46.
146. McClelland S, Huang C, Jagsi R, Zellars R. The Gender of Radiation Oncologists Treating Breast and Genitourinary Cancers at US Comprehensive Cancer Centers. *International Journal of Radiation Oncology Biology Physics*. 2020;108(2 Supplement):E56-E57.
147. McClelland S, Huang C, Zellars R. Gender-Based Analysis of the Academic Pediatric Radiation Oncology Workforce. *International Journal of Radiation Oncology Biology Physics*. 2020;108(2 Supplement):E12.
148. McDermott M, Gelb DJ, Wilson K, et al. Sex Differences in Academic Rank and Publication Rate at Top-Ranked US Neurology Programs. *JAMA Neurol*. 2018;75(8):956-961.
149. McDonald JS, McDonald RJ, Davenport MS, et al. Gender and Radiology Publication Productivity: An Examination of Academic Faculty From Four Health Systems in the United States. *J*. 2017;14(8):1100-1108.
150. Melnick K, Grady C, Cuneo M, Brennan M, Rahman M. Academic Accomplishments of Female Neurosurgeons Currently in Practice in the United States. *World Neurosurgery*. 2021;150:20-25.
151. Miller H, Seckel E, White CL, et al. Gender-based salary differences in academic medicine: a retrospective review of data from six public medical centers in the Western USA. *BMJ Open*. 2022;12(4) (no pagination).
152. Moeller E, Riesel J, Boms O, Pompermaier L, Pusic A, Corlew S. Female Leadership in Academic Plastic Surgery: A Comprehensive Analysis. *Plastic and reconstructive surgery*. 2021;148(6):1408-1413.
153. Moghimi S, Khurshid K, Jalal S, et al. Gender Differences in Leadership Positions Among Academic Nuclear Medicine Specialists in Canada and the United States. *AJR Am J Roentgenol*. 2019;212(1):146-150.
154. Monroe AK, Levine RB, Clark JM, Bickel J, MacDonald SM, Resar LM. Through a Gender Lens: A View of Gender and Leadership Positions in a Department of Medicine. *J Womens Health (Larchmt)*. 2015;24(10):837-842.
155. Mueller CM, Gaudilliere DK, Kin C, Menorca R, Girod S. Gender disparities in scholarly productivity of US academic surgeons. *J Surg Res*. 2016;203(1):28-33.

156. Mueller C, Wright R, Girod S. The publication gender gap in US academic surgery. *BMC Surg*. 2017;17(1):16.
157. Nagano N, Watari T, Tamaki Y, Onigata K. Japan's Academic Barriers to Gender Equality as Seen in a Comparison of Public and Private Medical Schools: A Cross-Sectional Study. *Womens Health Rep (New Rochelle)*. 2022;3(1):115-123.
158. Ngaage LM, Harris C, Gao C, et al. Investigating the Gender Pay Gap in Industry Contributions to Academic Neurosurgeons. *World Neurosurg*. 2019;130:516-+.
159. Ngaage LM, Harris C, Landford W, et al. Follow the money: Investigating gender disparity in industry payments among senior academics and leaders in plastic surgery. *PLoS ONE*. 2020;15(12):e0235058.
160. Ngaage LM, Ngadimin C, Harris C, et al. The Glass Ceiling in Plastic Surgery: A Propensity-Matched Analysis of the Gender Gap in Career Advancement. *Plastic & Reconstructive Surgery*. 2020;146(3):690-697.
161. Niu BT, Nicolaou S, Levine D, et al. Trends in Gender and Racial Profiles of US Academic Radiology Faculty. *J*. 2020;17(10):1337-1343.
162. Nonnemaker L. Women physicians in academic medicine: New insights from cohort studies. *New England Journal of Medicine*. 2000;342(6):399-405.
163. Odell T, Toor H, Takayanagi A, et al. Gender disparity in academic neurosurgery. *Cureus*. 2019;11(5).
164. Okafor S, Tibbetts K, Shah G, Tillman B, Agan A, Halderman AA. Is the gender gap closing in otolaryngology subspecialties? An analysis of research productivity. *Laryngoscope*. 2020;130(5):1144-1150.
165. Okoshi K, Nomura K, Fukami K, et al. Gender inequality in career advancement for females in Japanese academic surgery. *Tohoku J Exp Med*. 2014;234(3):221-227.
166. O'Neill SB, Maddu K, Jalal S, et al. Gender Disparity in Chest Radiology in North America. *Curr Probl Diagn Radiol*. 2021;50(1):18-22.
167. Orhurhu MS, Orhurhu V, Salisu B, Abimbola A, Cohen SP. Factors associated with academic rank among chronic pain medicine faculty in the USA. *Regional Anesthesia and Pain Medicine*. 2020;45(8):589-596.
168. Paik AM, Mady LJ, Villanueva NL, et al. Research productivity and gender disparities: a look at academic plastic surgery. *J Surg Educ*. 2014;71(4):593-600.
169. Pallant A, Hudson SM, Ben-Isaac E. Satisfaction, Salaries, and Sustainability: Results of a National Survey of Pediatric Program Directors. *Academic pediatrics*. 2019;19(1):11-17.
170. Patel SR, St Pierre F, Velazquez AI, et al. The Matilda Effect: Underrecognition of Women in Hematology and Oncology Awards. *Oncologist*. 2021;26(9):779-786.
171. Patrinely JR, Dewan AK. The modern dermatology program director: A cross-sectional study on personal and professional characteristics. *Journal of the American Academy of Dermatology*. 2021;84(5):1419-1421.
172. Pattani R, Burns KEA, Lorens E, Straus SE, Hawker GA. Effect of race, gender identity, and their intersection on career satisfaction: A cross-sectional survey of academic physicians. *Medical teacher*. 2022;44(6):614-621.
173. Paulus JK, Switkowski KM, Allison GM, et al. Where is the leak in the pipeline? Investigating gender differences in academic promotion at an academic medical centre. *Perspect Med Educ*. 2016;5(2):125-128.
174. Pereira NM, Kacker A. Sex Differences in Faculty Positions Among Top-Ranked US Otolaryngology Departments. *OTO Open*. 2022;6(1):2473974X221088282.

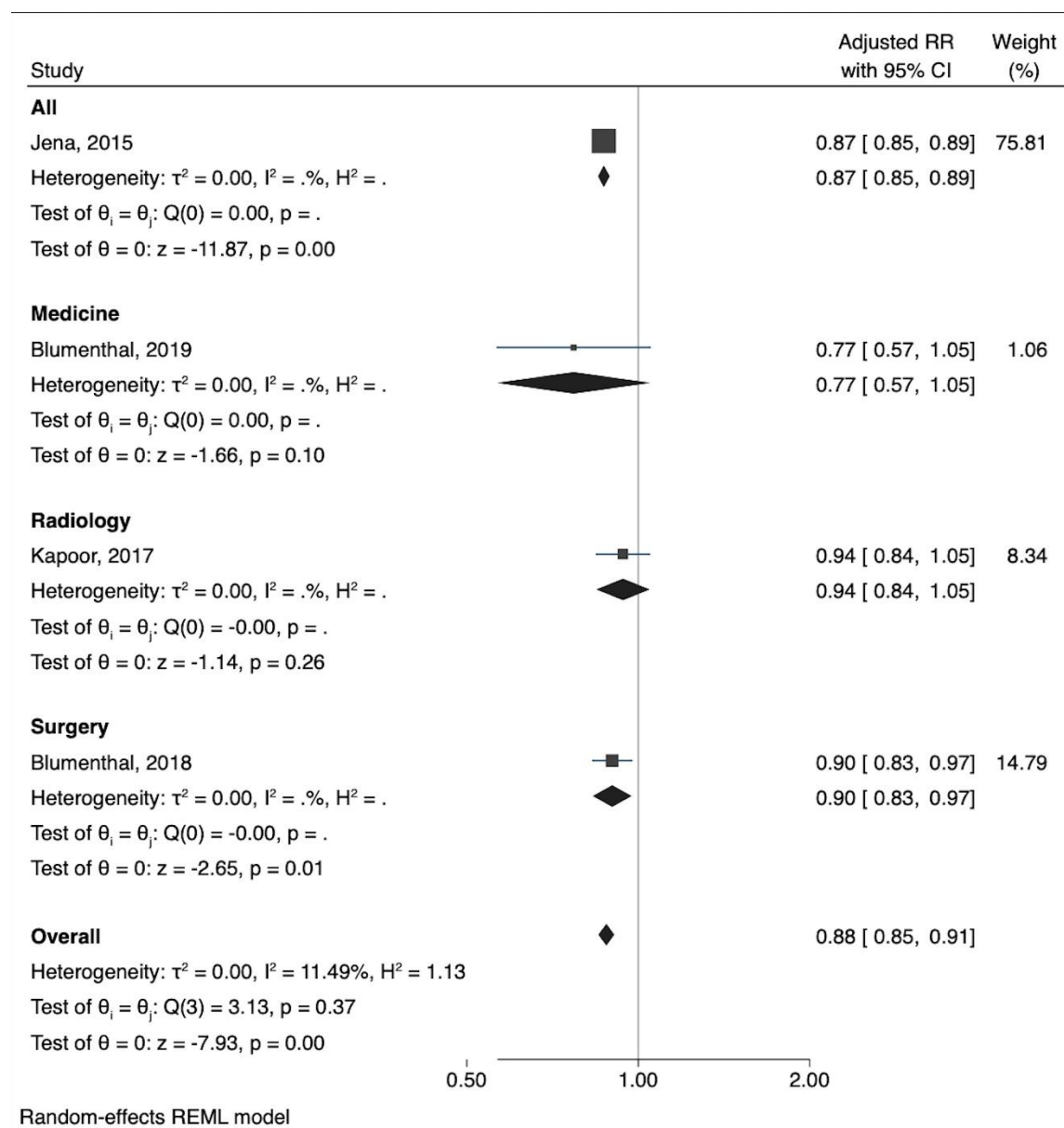
175. Perez MG, Fassiotto M, Altamirano J, et al. Untapped Resources: Attaining Equitable Representation for Women in IR. *Journal of Vascular & Interventional Radiology*. 2019;30(4):579-583.
176. Perni S, Bitterman D, Ryan J, et al. Gender, Productivity, and Philanthropic Fundraising in Academic Oncology. *JNCCN Journal of the National Comprehensive Cancer Network*. 2021;19(12):1401-1406.
177. Post L, Garg N, D'Onofrio G. Gender diversity in emergency medicine: Measuring system's change. *Academic Emergency Medicine*. 2012;1):S134-S135.
178. Qamar SR, Khurshid K, Jalal S, et al. Academic musculoskeletal radiology: influences for gender disparity. *Skeletal Radiol*. 2018;47(3):381-387.
179. Qamar SR, Khurshid K, Jalal S, et al. Gender Disparity Among Leaders of Canadian Academic Radiology Departments. *AJR Am J Roentgenol*. 2020;214(1):3-9.
180. Qamar SR, Nayab A, Walsh J, et al. Academic Radiology in North America: Underrepresentation of Women in Academic Ranks and Leadership Roles. *Current Radiology Reports*. 2022;10(8):93-100.
181. Qin LA, Menhaji K, Sifri Y, Hardart A, Ascher-Walsh C. 10 Gender equity in academic female pelvic medicine and reconstructive surgery: A cross-sectional observational study. *American Journal of Obstetrics and Gynecology*. 2021;224(6 Supplement):S732.
182. Rachid E, Nouredine T, Tamim H, Makki M, Naalbandian S, Al-Haddad C. Gender disparity in research productivity across departments in the faculty of medicine: a bibliometric analysis. *Scientometrics*. 2021;126(6):4715-4731.
183. Radford DM, Parangi S, Tu C, Silver JK. h-Index and Academic Rank by Gender Among Breast Surgery Fellowship Faculty. *Journal of Women's Health*. 2002(pagination).
184. Rahimy E, Jaggi R, Park HS, et al. Quality at the American Society for Radiation Oncology Annual Meeting: Gender Balance Among Invited Speakers and Associations with Panel Success. *Int. J. Radiat. Oncol. Biol. Phys*. 2019;104(5):987-996.
185. Raj A, Carr PL, Kaplan SE, Terrin N, Breeze JL, Freund KM. Longitudinal Analysis of Gender Differences in Academic Productivity Among Medical Faculty Across 24 Medical Schools in the United States. *Acad Med*. 2016;91(8):1074-1079.
186. Rakestraw SL, Chen H, Corey B, Sutzko DC. Closing the gap: Increasing female representation in surgical leadership. *American Journal of Surgery*. 2022;223(2):273-275.
187. Rano J, Jalal S, Sedlak T, et al. Sex Disparity Among Canadian Cardiologists in Academic Medicine: Differences in Scholarly Productivity and Academic Rank. *Cureus*. 2021;13(10):e18687.
188. Reed DA, Enders F, Lindor R, McClees M, Lindor KD. Gender differences in academic productivity and leadership appointments of physicians throughout academic careers. *Acad Med*. 2011;86(1):43-47.
189. Riaz IB, Siddiqi R, Fatima K, Khan MS, Zahid U, Khosa F. Gender differences in faculty rank, departmental leadership, and research output amongst hematology/oncology faculty in United States. *Blood. Conference: 59th Annual Meeting of the American Society of Hematology, ASH*. 2017;130(Supplement 1).
190. Riaz IB, Zahid U, Khalid N, et al. Gender differences in faculty rank amongst radiation oncologists in United States: A cross-sectional study. *Journal of Clinical Oncology. Conference*. 2018;36(15 Supplement 1).
191. Riccardi J, Farber NI, Ho V, Bonne SL. Uncovering Disparities in Scholarly Productivity among Junior Surgical Society Grant Recipients. *J Surg Res*. 2021;257:128-134.
192. Rosso C, Leger A, Steichen O. [Glass ceiling for women in academic medicine in France]. *Rev Med Interne*. 2019;40(2):82-87.

193. Rotbart HA, McMillen D, Taussig H, Daniels SR. Assessing gender equity in a large academic department of pediatrics. *Acad Med*. 2012;87(1):98-104.
194. Saboor S, Naveed S, Chaudhary AM, et al. Gender and Racial Profile of the Academic Pediatric Faculty Workforce in the United States. *Cureus*. 2022;14(2):e22518.
195. Sadeghpour M, Bernstein I, Ko C, Jacobe H. Role of sex in academic dermatology: Results from a national survey. *Archives of Dermatology*. 2012;148(7):809-814.
196. Saleem S, Naveed S, Chaudhary AMD, et al. Racial and gender disparities in neurology. *Postgrad. Med. J*. 2021;97(1153):716-722.
197. Sandhu B, Margerison C, Holdcroft A. Women in the UK academic medicine workforce. *Medical Education*. 2007;41(9):909-914.
198. Santamaria-Barria JA, Stern S, Khader A, et al. Changing Trends in Industry Funding for Surgical Oncologists. *Annals of Surgical Oncology*. 2019;26(8):2327-2335.
199. Sator SE, Cook JA, Duquette SP, et al. Scholarly activity in academic plastic surgery: the gender difference. *J Surg Res*. 2018;229:332-336.
200. Selter JH, Spurlin EE, Brady PC. Gender inequality in leadership and academic rank in academic reproductive endocrinology programs. *Journal of Assisted Reproduction & Genetics*. 2020;37(8):1959-1962.
201. Selter J, Price TM. Perception of Gender Disparity in Academic Reproductive Endocrinology and Infertility. *Fertility and Sterility*. 2021;116(3 Supplement):e74.
202. Shah A, Jalal S, Khosa F. Influences for gender disparity in dermatology in North America. *Int J Dermatol*. 2018;57(2):171-176.
203. Shah KN, Ruddell JH, Scott B, et al. Orthopaedic Surgery Faculty: An Evaluation of Gender and Racial Diversity Compared with Other Specialties. *JB JS Open Access*. 2020;5(3).
204. Shah C, Tiwana MH, Chatterjee S, et al. Sticky Floor and Glass Ceilings in Academic Medicine: Analysis of Race and Gender. *Cureus*. 2022;14(4):e24080.
205. Shaikh AT, Farhan SA, Siddiqi R, Fatima K, Siddiqi J, Khosa F. Disparity in Leadership in Neurosurgical Societies: A Global Breakdown. *World Neurosurgery*. 2019;123:95-102.
206. Sheikh MH, Chaudhary AMD, Khan AS, et al. Influences for gender disparity in academic psychiatry in the United States. *Cureus*. 2018;10(4).
207. Participation of Women and Minorities on U.S. Medical School Faculties, 1980-1990. Faculty Roster System: Membership and Publication Orders, Association of American Medical Colleges, 2450 N Street, N.W., Washington, DC 20037-1126 (\$26 plus \$4 shipping and handling; Mexico & Canada, \$5 shipping and handling); 1992.
208. Shih AF, Sun W, Yick C, Xu S, Fujiwara RJT, Colegio OR. Trends in scholarly productivity of dermatology faculty by academic status and gender. *J Am Acad Dermatol*. 2019;80(6):1774-1776.
209. Silva NA, Cerasiello SY, Herendeen JS, et al. Gender differences in NIH grant funding in neurological surgery. *J Clin Neurosci*. 2020;80:43-49.
210. Silver JK, Cuccurullo SJ, Ambrose AF, et al. Association of Academic Physiatrists Women's Task Force Report. *American journal of physical medicine & rehabilitation*. 2018;97(9):680-690.
211. Smith BT, Egro FM, Murphy CP, Stavros AG, Kenny EM, Nguyen VT. Change Is Happening: An Evaluation of Gender Disparities in Academic Plastic Surgery. *Plastic & Reconstructive Surgery*. 2019;144(4):1001-1009.
212. Sperling JD, Shulman R, Blat C, et al. Gender Differences in Academic Rank and NIH Funding among Academic Maternal-Fetal Medicine Physicians in the United States. *Am J Perinatol*. 2019;36(5):443-448.

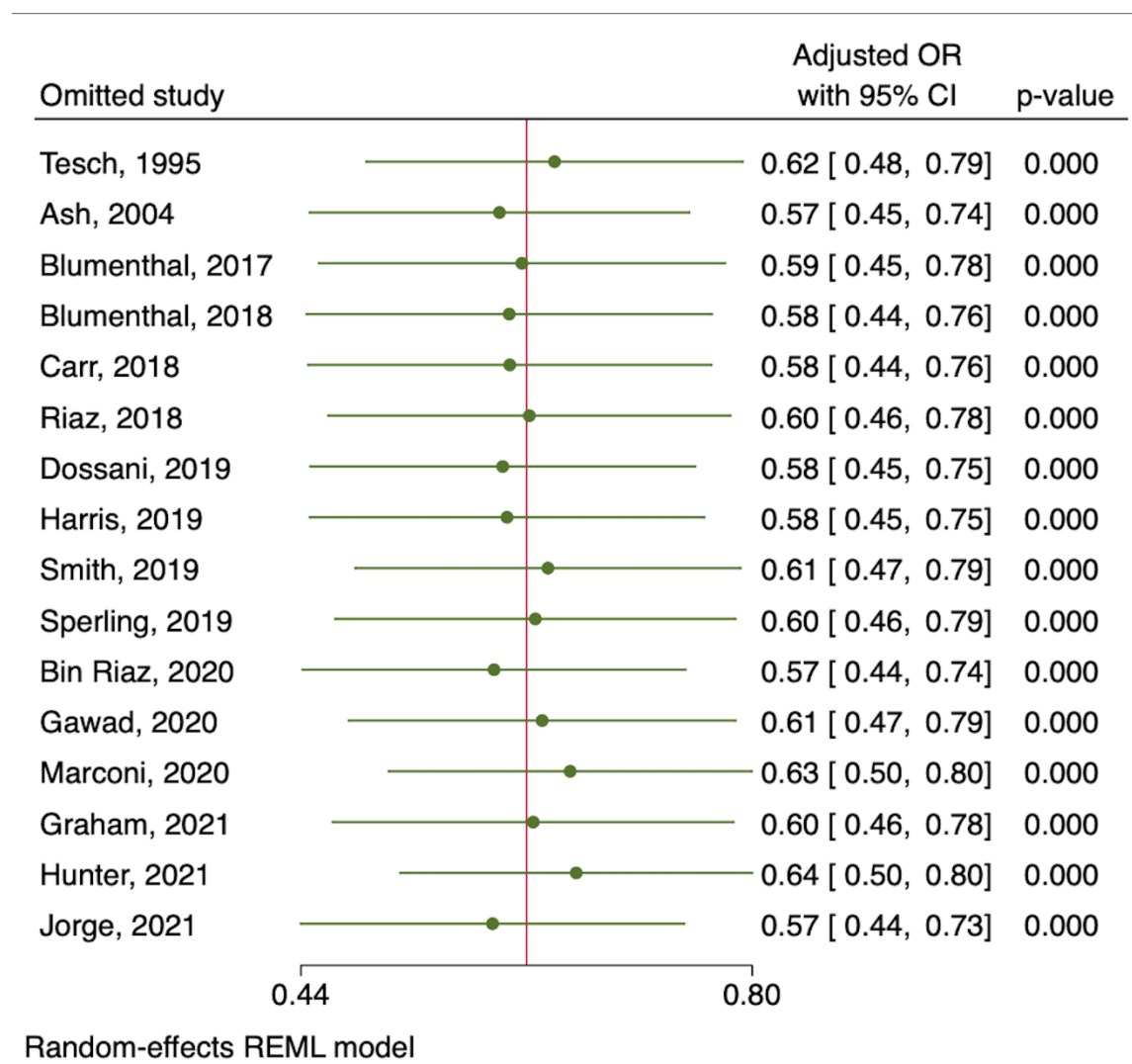
213. Stewart C, Lipner SR. Gender and race trends in academic rank of dermatologists at top U.S. institutions: A cross-sectional study. *International Journal Of Women.s Dermatology*. 2020;6(4):283-285.
214. Suurna MV, Leibbrandt A. Underrepresented Women Leaders: Lasting Impact of Gender Homophily in Surgical Faculty Networks. *Laryngoscope*. 2021;09:09.
215. Tanya SM, He B, Tang J, et al. Research productivity and impact of Canadian academic ophthalmologists: trends in H-index, sex, subspecialty, and faculty appointment. *Canadian Journal of Ophthalmology*. 2021.
216. Tesch BJ, Wood HM, Helwig AL, Nattinger AB. Promotion of women physicians in academic medicine. Glass ceiling or sticky floor? *JAMA*. 1995;273(13):1022-1025.
217. Thompson AM, Atluri S, Yee D, Price KN, Hsiao JL, Shi VY. Academic dermatology chair and chief characteristics. *International Journal of Women's Dermatology*. 2021;Part B. 7(5):860-862.
218. Tiedt K, Webber S, Babal J, et al. Gender difference in teaching evaluation scores of pediatric faculty. *Academic pediatrics*. 2022;29.
219. Tiwana MH, Sverdlichenko I, Xuan L, et al. Gender Differences in Faculty Rank and Leadership Positions Among Physician Biochemistry Faculty in North America: A Retrospective, Cross-Sectional Study. *Cureus*. 2021;13(12):e20731.
220. Tomei KL, Nahass MM, Husain Q, et al. A gender-based comparison of academic rank and scholarly productivity in academic neurological surgery. *J Clin Neurosci*. 2014;21(7):1102-1105.
221. Tucker J, Patel S, Benyo S, Wilson MN, Goyal N, McGinn J. Descriptive Analysis of Otolaryngology Program Directors with a Focus on Gender Disparity. *Ear, Nose and Throat Journal*. 2022.
222. Valsangkar N, Fecher AM, Rozycki GS, et al. Understanding the Barriers to Hiring and Promoting Women in Surgical Subspecialties. *Journal of the American College of Surgeons*. 2016;223(2):387-398.e382.
223. Vydareny KH, Waldrop SM, Jackson VP, et al. Career advancement of men and women in academic radiology: is the playing field level? *Acad Radiol*. 2000;7(7):493-501.
224. Wagner AK, McElligott J, Chan L, Wagner EP, 2nd, Segal NA, Gerber LH. How gender impacts career development and leadership in rehabilitation medicine: a report from the AAPM&R research committee. *Archives of Physical Medicine & Rehabilitation*. 2007;88(5):560-568.
225. Waisbren SE, Bowles H, Hasan T, et al. Gender differences in research grant applications and funding outcomes for medical school faculty. *J Womens Health (Larchmt)*. 2008;17(2):207-214.
226. Waljee JF, Chang KW, Kim HM, et al. Gender Disparities in Academic Practice. *Plastic & Reconstructive Surgery*. 2015;136(3):380e-387e.
227. Wallis LA, Gilder H, Thaler H. Advancement of men and women in medical academia. A pilot study. *JAMA*. 1981;246(20):2350-2353.
228. Wang J, Khurshid K, Jalal S, et al. Influence of Academic Productivity on Gender Disparity in Academic Interventional Radiology. *AJR Am J Roentgenol*. 2019;American Journal of Roentgenology.:1-7.
229. Waseem Y, Mahmood S, Siddiqi R, et al. Gender differences amongst board members of endocrinology and diabetes societies. *Endocrine*. 2019;64(3):496-499.
230. Wilkes FA, Akram H, Hyam JA, Kitchen ND, Hariz MI, Zrinzo L. Publication productivity of neurosurgeons in Great Britain and Ireland. *J Neurosurg*. 2015;122(4):948-954.
231. Willett LL, Halvorsen AJ, McDonald FS, Chaudhry SI, Arora VM. Gender differences in salary of internal medicine residency directors: a national survey. *Am J Med*. 2015;128(6):659-665.
232. Williams KM, Wang H, Bajaj S, et al. Gender disparities in career progression and scholarly productivity persist in academic cardiothoracic surgery. *Circulation. Conference: American Heart Association Scientific Sessions, AHA*. 2019;140(Supplement 1).

- 233.** Winkelman WD, Jaresova A, Hacker MR, Richardson ML. Salary Disparities in Academic Urogynecology: Despite Increased Transparency, Men Still Earn More Than Women. *South Med J.* 2020;113(7):341-344.
- 234.** Wise MR, Shapiro H, Bodley J, et al. Factors Affecting Academic Promotion in Obstetrics and Gynaecology in Canada. *Journal of Obstetrics and Gynaecology Canada.* 2004;26(2):127-136.
- 235.** Wooding DJ, Das P, Tiwana S, Siddiqi J, Khosa F. Race, ethnicity, and gender in academic obstetrics and gynecology: 12-year trends. *American Journal of Obstetrics & Gynecology MFM.* 2020;2(4):100178.
- 236.** Woodward Z, Rodriguez Z, Jou JH, et al. Gender disparities in gastroenterology fellowship director positions in the United States. *Gastrointest Endosc.* 2017;86(4):595-599.
- 237.** Wright AL, Schwindt LA, Bassford TL, et al. Gender differences in academic advancement: patterns, causes, and potential solutions in one US College of Medicine. *Acad Med.* 2003;78(5):500-508.
- 238.** Wu B, Bhulani N, Jalal S, Ding J, Khosa F. Gender disparity in leadership positions of general surgical societies in North America, Europe, and Oceania. *Cureus.* 2019;11(12).
- 239.** Xierali IM, Nivet MA, Syed ZA, Shakil A, Schneider FD. Recent Trends in Faculty Promotion in U.S. Medical Schools: Implications for Recruitment, Retention, and Diversity and Inclusion. *Academic medicine : journal of the Association of American Medical Colleges.* 2021;96(10):1441-1448.
- 240.** Yang HY, Rhee G, Xuan L, Silver JK, Jalal S, Khosa F. Analysis of H-index in Assessing Gender Differences in Academic Rank and Leadership in Physical Medicine and Rehabilitation in the United States and Canada. *Am J Phys Med Rehabil.* 2019;98(6):479-483.
- 241.** Yue T, Khosa F. Academic Gender Disparity in Orthopedic Surgery in Canadian Universities. *Cureus.* 2020;12(3):e7205.
- 242.** Zhang Y, Silver JK, Tiwana S, Verduzco-Gutierrez M, Siddiqi J, Khosa F. Physical Medicine and Rehabilitation Faculty Diversity Trends by Sex, Race, and Ethnicity, 2007 to 2018 in the United States. *Pm & R.* 2021;13(9):994-1004.
- 243.** Zhu K, Das P, Karimuddin A, Tiwana S, Siddiqi J, Khosa F. Equity, Diversity, and Inclusion in Academic American Surgery Faculty: An Elusive Dream. *J Surg Res.* 2021;258:179-186.
- 244.** Zulfiqar M, Khurshid K, Moreno CC, et al. Examining Gender Disparity in Academic Abdominal Radiology in North America. *Curr Probl Diagn Radiol.* 2021;50(5):669-674.

Supplemental Digital Appendix 4



Supplemental Digital Appendix 5



Supplemental Digital Appendix 6

