SCHOOL OF NURSING

Limiting Bias Promising Practices For Searches



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UNIVERSITY OF CALIFORNIA DIVERSITY STATEMENT

Endorsed as Amended by the President of the University of California August 17, 2010 http://www.universityofcalifornia.edu/diversity/diversity.html

Diversity refers to the variety of personal experiences, values and worldviews that arise from differences of culture and circumstance. Such differences include race, ethnicity, gender, age, religion, language, abilities/disabilities, sexual orientation, gender identity, socioeconomic status, and geographic region, and more.

AT UCSF WE ARE COMMITTED TO THE BEST Our vision: to be the world's preeminent health sciences innovator

I. Excellence Requires Diversity

People who are different from one another bring unique information and experiences

- Diverse groups are more innovative and creative ^{1,2}
- Papers written by diverse groups have more citations and higher impact factors ³
- Diverse groups share more information with others in the group ⁴

Employee engagement is a validated predictor of organizational performance

Diverse workplaces with culturally competent workforces have the highest employee engagement ^{5,6}

US CENSUS

African American	13.4%	 8.7%	African American
Hispanic/Latinx	18.5%	 3.6%	Hispanic/Latinx
Asian	5.9%	 3.8%	Asian
White	60.1%	 80.8%	White
Male	49.2%	 7.2%	Male

American Association of Colleges of Nursing, 2019

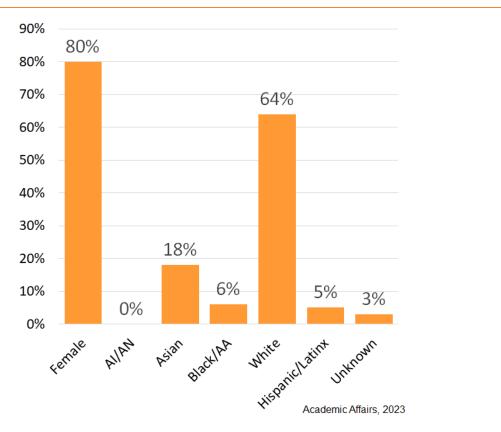
ACADEMIC NURSING



BY THE NUMBERS

Nursing Representation at UCSF

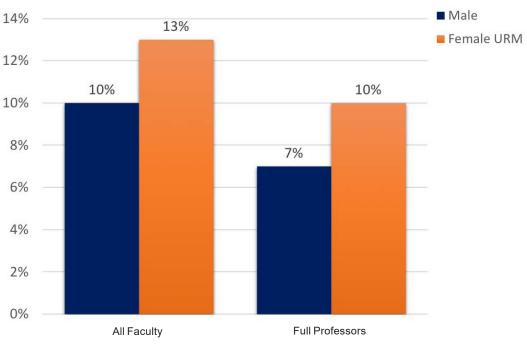
Gender/race/ethnicity **UCSF School of Nursing** faculty



UCSF School of Nursing faculty by rank and underrepresented minority (URM¹) status

The UCSF definition of Underrepresented Minority is: Someone whose racial or ethnic makeup is from one of the following: African American / Black; Asian: Filipino, Hmong, or Vietnamese; Hispanic / Latinx; Native American / Alaskan Native; Native Hawaiian / Other Pacific Islander; or Two or more races when one or more are from the preceding racial and ethnic categories in this list.

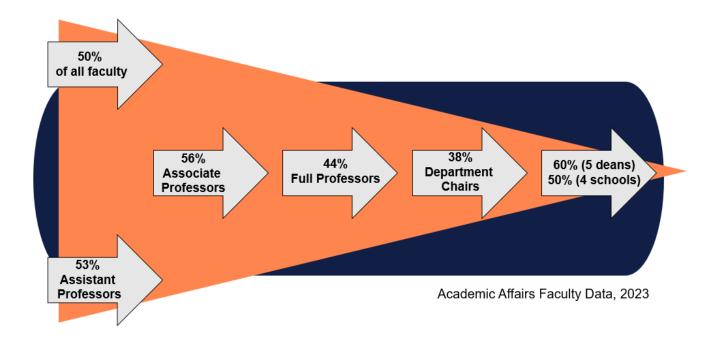
In addition: Women in traditionally male dominated specialties; Males in traditionally female dominated specialties; and Historically marginalized individuals: LGBT, individuals with disabilities



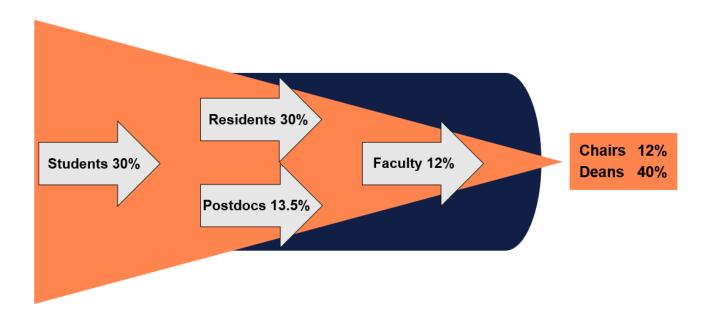


Faculty Pipelines at UCSF

Female faculty pipeline, UCSF



URM pipeline, UCSF







We recognize the connection between diversity and innovation. Our goal is to be the workplace of choice for diverse, top-tier talent.

-UCSF'S 2014-2015 PLAN

II.Unconscious Bias May Impede Selecting The Best

"The greatest barrier to achieving gender equity in STEMM is systematic bias, frequently unconscious" - National Academy of Sciences"

Social stereotypes that individuals form outside of conscious awareness

- All of us hold unconscious beliefs about various social and identity groups
- Stems from our tendency to organize social worlds by categorizing
- Often incompatible with conscious values

We all have biases

Data we receive from others may be biased

Certain scenarios can activate unconscious stereotypes and attitudes

- Project Implicit: 75% of people have implicit biases or associations
- Unconscious biases tend to map to existing social hierarchies ⁷
 Favor men, Whites, youth, heterosexuals, and physically
 - able
- Men = Science; Women = Liberal Arts
 - E.g., Biases about rating of males and females on a math lab task was related to IAT sex-related beliefs ⁸
- Asian = Feminine; Black = Masculine
 - On the IAT, participants primed with the word Asian responded most quickly to words they had rated as more feminine whereas participants primed with the word Black responded most quickly to words they had rated as more masculine.⁹
- Unconscious biases are more likely to emerge in certain situations, such as when multi-tasking or under time pressure (i.e., "high cognitive load") ^{8,10}

Seminal studies and contemporary research have shown that unconscious bias influences hiring, evaluation, and selection and perception of leaders

Evaluation of CVs

- Selection of "Brian over Karen" 2x as often ¹¹
- 50% higher call back rate if named "Emily and Gregg" vs "Lakisha and Jamal" $^{\rm 12}$
 - The finding that Black applicants are contacted less often than white applicants has been replicated as recently as 2024¹³
 - Adewale and Ngochi (Black Africans) also seen as more employable than "Lakisha and Jamal" ¹⁴
- Whites & Hispanics benefit from quality resume; Blacks evaluated negatively even with quality resume
 - Occupational stereotypes: Asians high status regardless of resume, Blacks and Hispanics lower status ¹⁵
- "Whitened Resumes": racial minorities' attempts to downplay ethnic/racial cues
 - $\circ~$ Less resume whitening if employer specifies valuing diversity $^{\rm 16}$

Motherhood Penalty

- Mothers perceived as less competent; offered lower starting salaries ^{17,18} and less likely to be hired & promoted compared to fathers & employees without children ¹⁹
- Fathers not penalized; at times, there is a "fatherhood premium"²⁰
 - Fathers less likely to be laid off during Covid-19 than all other groups, including mothers and people without children²⁰

Evaluation of reference letters

- More "standout" adjectives for males ²¹
- Women's letters shorter, contained more "doubt raisers" & focus on teaching; men as researchers ²²
- More "communal" adjectives for women and "agentic" adjectives for men ²³

Bias into academic pathways

- Faculty more likely to respond to research inquiry requests from fictional White male doctoral students than any other group ²⁴
- When reviewing identical student resumes, research faculty rated men as more competent than women, with higher starting salaries ²⁵

Leadership

- Women often overlooked for leadership potential
 - Men more likely to be valued for leadership potential
 Women valued for demonstrated leadership
 - performance ²⁶
- Women in leadership penalized more often than men for displays of emotion, especially pride or anger.
 - However, women also penalized for being emotionally unexpressive e.g., not warm ²⁷

Evaluation of contributions

- Women less likely to get credit for joint efforts ²⁸
- Women who co-author more often less likely to receive tenure

 Men receive tenure at similar rates regardless of solo or co-authorship²⁹
- Research topics/approaches more likely to be undertaken by URM viewed as peripheral to academic fields and devalued in advancement ³⁰

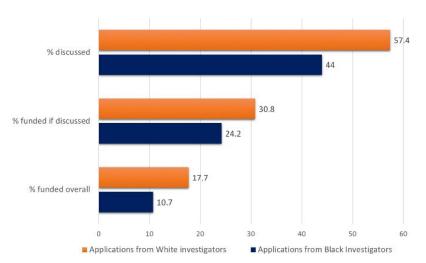
Evaluation of contributions

NIH Review

 Black applicants 10% less likely than Whites to receive NIH investigator initiated research grants ³¹

Part of the disparity due to topic choice ³²

 Black applicants more likely to be associated with topics like health disparities, disease prevention and intervention, socioeconomic factors, healthcare, lifestyle, psychosocial, adolescent, and risk



Funding gap between Black and White scientists at each stage of the R01 application and review process

III. How to combat unconscious bias

On the individual level

Enhance internal motivation to reduce bias

Recognize unconscious bias (IAT)

Implicit bias is changeable 33

- Knowledge of bias can reduce its impacts
- New information can cause reinterpretation of scenario
- · Priming has an effect: Can counter stereotypes
- Enhance perspective taking and communication skills
- Facilitated discussions with colleagues from diverse groups

On the institutional level

- Concrete, objective indicators & outcomes reduce standard stereotypes ³⁴⁻³⁶
- Decreasing ambiguity about individual contributions to joint outcome reduces bias in performance evaluation ³¹
- Use structured interviews and objective evaluation criteria ^{36,37}
- Commit to specific credentials before reviewing applications ³⁸
- Allow sufficient time as bias stronger when under time pressure ^{33,37,39}
- Accountability for decision makers ^{40,41}
- Provide training workshops ³⁹



Key Links and Additional Resources

Office of Diversity and Outreach https://diversity.ucsf.edu/

UCSF Faculty Equity Advisors https://diversity.ucsf.edu/faculty-equity-advisor

UCSF Leadership Equity Advances Diversity (LEAD) Advancing Faculty Diversity Grant https://diversity.ucsf.edu/advancing-faculty-diversity-grant-lead

University of California Coro Project: Leading with Diversity: Strategies for Recruitment and Retention https://www.ucop.edu/human-resources/coro/uc-coro-cohort-

projects.html

University of California: Guidelines for Addressing Race and Gender Equity in Academic Programs in Compliance with Proposition 209

https://www.ucop.edu/uc-legal/files/guidelines-eguity.pdf

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and Outreach

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University of California Diversity Reports, Key Resources and Initiatives, and Data https://www.ucop.edu/faculty-diversity/index.html

AAMC Unconscious Bias Resources for Health Professionals https://www.aamc.org/what-we-do/diversityinclusion/unconscious-bias-training

AAMC E-learning seminar: The Science of Unconscious Bias https://www.aamc.org/initiatives/leadership/recruitment/17842 0/unconscious bias.html

NIH Scientific Workforce Diversity Toolkit

https://diversity.nih.gov/sites/coswd/files/images/SWD Toolkit Interactive-updated 508.pdf

Implicit Association Test: https://implicit.harvard.edu/implicit/

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