

Female med students publish less, despite higher number of research experiences

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Among medical school students, there are significant disparities in

publication rates across sex and race and ethnicity, according to a study published online Oct. 25 in *JAMA Network Open*.

Mytien Nguyen, from Yale School of Medicine in New Haven, Connecticut, and colleagues examined the relationship between student sex and racial and [ethnic identity](#) with publication rates during [medical school](#). The analysis included 31,474 graduates who matriculated in academic years 2014 to 2015 and 2015 to 2016.

The researchers found that students attending a National Institutes of Health top 40 research-ranked school reported a higher number of research experiences and publication counts than students from non-top 40 schools. While women reported a higher number of research experiences than men, they had significantly fewer publications (top 40 schools: adjusted rate ratio [aRR], 0.89; non-top 40 schools: aRR, 0.93). Asian students had higher publication rates than White students at both top 40 schools (aRR, 1.10) and non-top 40 schools (aRR, 1.07). Publication rates were lower among Black students (top 40 schools: aRR, 0.83; non-top 40 schools: aRR, 0.88) and Hispanic students attending non-top 40 schools (aRR, 0.93).

"These findings illustrate that inequities in the physician-scientist workforce began early in training and highlight key areas for intervention, such as funding support and mentorship training during undergraduate medical education, that may promote the future success of a diverse physician-scientist workforce," the authors write.

More information: Mytien Nguyen et al, Variation in Research Experiences and Publications During Medical School by Sex and Race and Ethnicity, *JAMA Network Open* (2022). [DOI: 10.1001/jamanetworkopen.2022.38520](#)

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