



Women's Leadership in Physics Education

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Research Question

Does the leadership of physics education show a proportion representation of females?

Women in Leadership

- Women are under-represented in many leadership positions in the STEM areas (<http://www.catalyst.org/research-insights>).
- One possible way to support women's participation in STEM fields is to increase the number of female leaders as role models and mentors.
- Very little is known about women in leadership positions in STEM; nothing has been collected on women's leadership in physics education.

Women in Physics Education

- Women are more strongly represented in physics education than among physics.
 - ✧ APS Membership overall is at least 18% female (self-reported)
 - ✧ AAPT Membership is 22% female (self-reported)
- Approx. 50% of PER grad students are women; comparable sample of trad. physics was 19%¹

Gender* among AAPT Leadership

Data collected from AAPT website Spring 2018

	Men	Women
AAPT President	71 (86%)	12 (14%)

	Men	Women
AAPT Exec. Off.	11 (85%)	2 (15%)

	Men	Women
AAPT Treasurer	16 (94%)	1 (6%)

	Men	Women
AAPT Secretary	14 (93%)	1 (7%)

Gender* among AAPT Fellows

	Men	Women
AAPT Fellows	24	9

Gender* among PERLOC officers (since 2005)

	Men	Women
PERLOC	23	16

Gender* among AAPT Award recipients

Data collected from AAPT website Spring 2018

One award named for a woman; eight awards named for nine men

	Men	Women
Jackson	4	0
Halliday & Resnick	20	3
Zitzewitz	18	5
Klopsteg	21	5
M. N. Phillips	10	4
Oersted	77	4
Millikan	50	5
Richtmyer	68	5
Homer Dodge	29	18

Conclusions

Women are under-represented in AAPT / physics education leadership positions compared to the number of women in the general physics education population

References

1. R. S. Barthelemy, B. Van Dusen, and C. Henderson, PER: A research subfield of physics with gender parity. Phys. Rev. ST Phys. Educ. Res. 11, 020107 (2015).

Gender* among Journal Editors

Data from PRPER, TPT, and AJP websites Spring & Summer 2018

	Men	Women
PRPER Editor	1	0
PRPER Editor	0	1
PRPER Editorial Board	3	3

	Men	Women
AJP Editors	13	0
AJP Assoc. Ed. (started 2017)	1	0
AJP Assist. Ed.	13	0
AJP Consulting Ed.	9	0

	Men	Women
TPT Editors	7	0
TPT Assoc. Ed.	4	0
TPT Assist. Ed.	2	3

*Gender means gender presentation, not self-identified gender