

# Accelerated MD Program Graduates: Views on their education, wellness, residency readiness and debt from the AAMC GQ

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## BACKGROUND

- The last decade has seen renewed interest in accelerated three-year MD programs
- Benefits of the programs include:
  - Reduction in cost
  - Earlier entrance into practice
  - Individualized training
  - Opportunity to address workforce shortages
  - Improved UME to GME continuum in some programs
- The Consortium of Accelerated Medical Pathway Programs (CAMPP) currently has 17 member schools
- Critics of these programs cite concerns for quality of education, student stress due to compression of training and residency readiness of the accelerated program graduates
- We sought to compare the medical school experience of accelerated pathway students to traditional pathways students with a focus on students' perceptions of key areas that might impact their experiences in medical training

## METHODS

- Data from AAMC Graduation Questionnaire from 2017 and 2018, using a customized GQ data set prepared by the AAMC
  - Comparison of three groups: Graduates of accelerated pathway programs (AP Students), All students from schools with AP programs, and All U.S. medical schools (All)
  - Queried topics included *quality of education, preparedness for residency, Oldenburg Burnout Inventory, factors that influenced career selection, scholarship and debt*
- Chi Square tests for the aggregate distribution data across the three groups available in the AAMC GQ reports
- Mean reported levels of burnout and the learning environment were compared across the three groups using one-way ANOVA
- We sought to minimize the risk of experiment wise error by setting our significance level to be  $p < .001$

### RESPONSE RATE

	Cohort	AP Students	All students from AP schools	Students from ALL schools	Chi Square p value
Percent Response	2017	76%	81%	81%	P=.484
		28/37	1,079/1,332	15,609/19,242	
Sample N/Total N	2018	74%	83%	83%	P=.082
		39/53	1,105/1,331	16,223/19,537	

### ACCELERATED PROGRAMS QUERIED



Graduates from Accelerated MD programs feel as satisfied with their medical education, as prepared for residency, and have lower debt and equivalent rates of burnout when compared to four-year MD graduates

## RESULTS

**Q: Medical School Learning Environment Survey instrument** consists of 7 items where higher scores are more positive. Emotional Climate, combines 3 items; possible range from 0-15. Faculty Interaction, combines 4 items, possible range 0-20. **Oldenburg Burnout Inventory for Medical Students scale instrument** consists of 16 items where higher scores signify higher burnout. Exhaustion and Disengagement, includes 8 items each, possible range of 0-24.

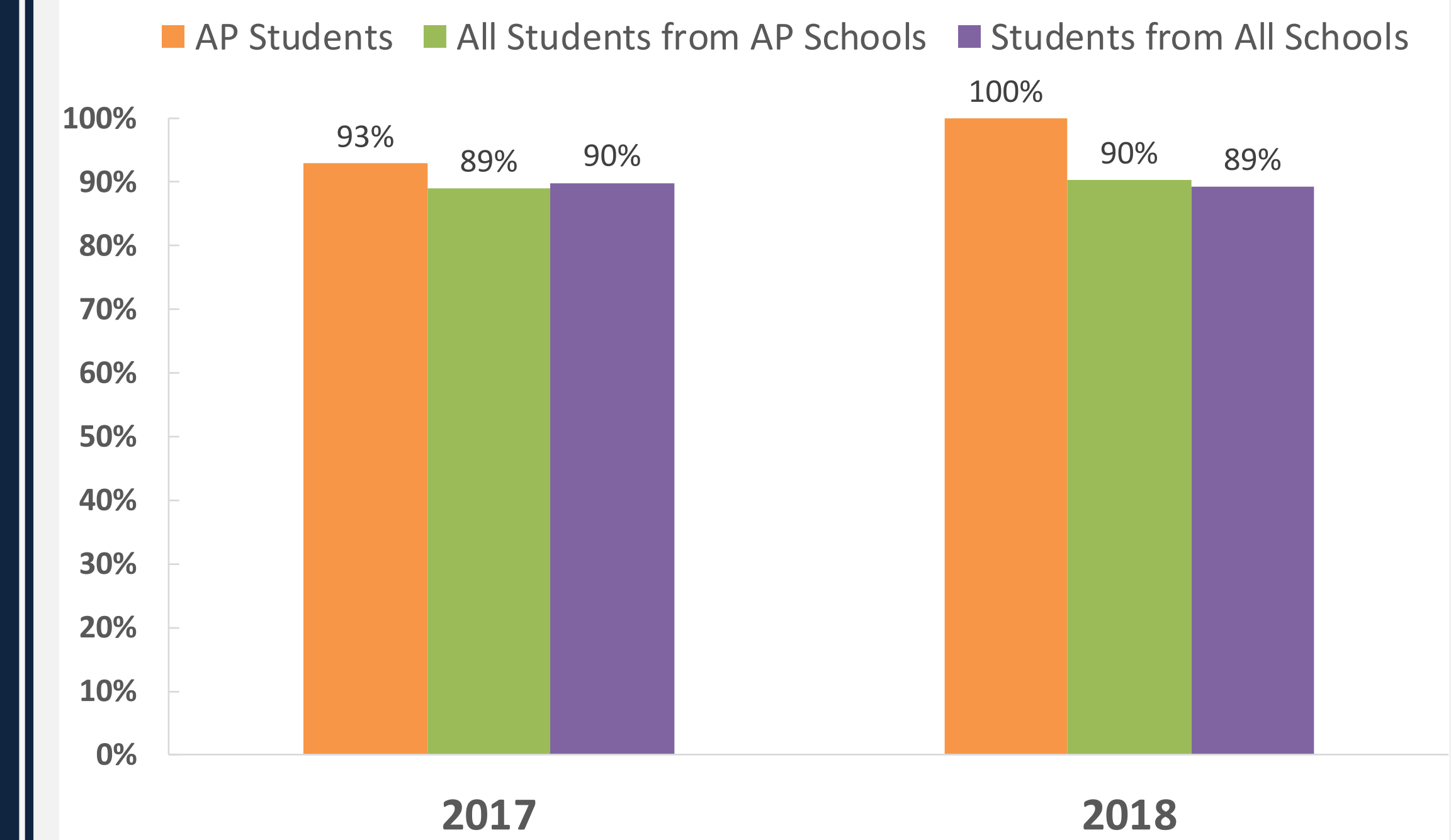
### LEARNING ENVIRONMENT & BURNOUT

	Cohort	AP Students	All students from AP schools	Students from ALL schools	ANOVA F statistic, p value
Learning Environment - Emotional Climate	2017	10.5	9.4	9.6	F=3.12 p=.044
	2018	10.9	9.8	9.5	F=7.07, p<.001
Learning Environment - Faculty Interaction	2017	15.7	14.2	14.2	F=2.84, p=.058
	2018	16.0	14.6	14.3	F=7.40, p<.001
Burnout - Exhaustion	2017	11.3	11.1	11.1	F=.05, p=.980
	2018	11.0	10.8	11.1	F=3.51, p=.030
Burnout - Disengagement	2017	8.5	9.8	9.8	F=2.01, p=.133
	2018	9.2	9.6	9.9	F=3.88, p=.021

## RESULTS (cont.)

### SATISFACTION WITH QUALITY OF MEDICAL EDUCATION

Q: Overall, I am satisfied with my medical education. % Agree and Strongly agree



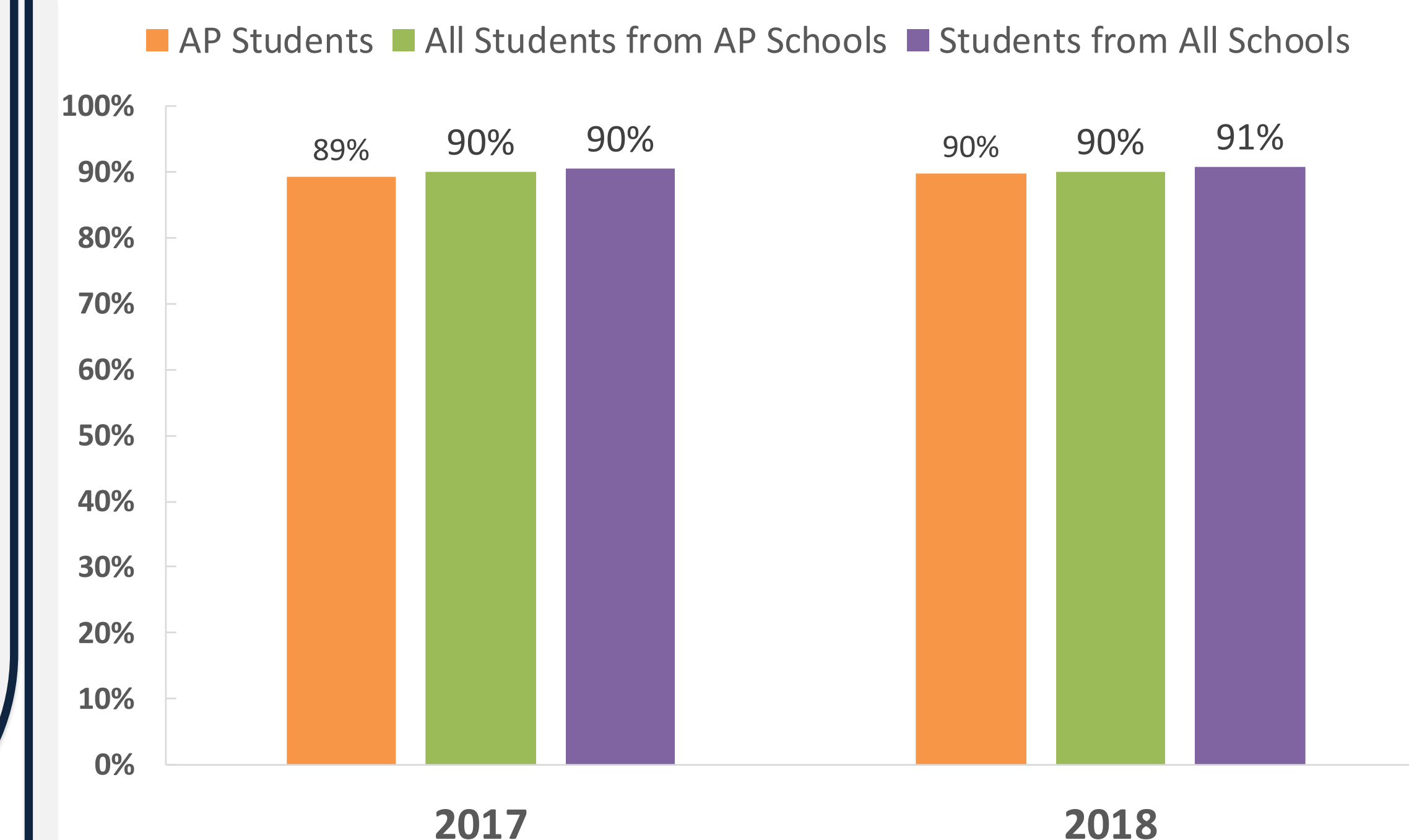
Q: % of students in the Premedical Debt Category

### MEDICAL SCHOOL DEBT

	Cohort	AP Students	All students from AP schools	Students from ALL schools	Chi Square p value
No medical school debt	2017	33.3%	27.1%	27.6%	P=.745
	2018	48.4%	29.8%	28.3%	P=.012
\$1 - \$149,999	2017	37.0%	11.0%	11.8%	P<.001
	2018	35.5%	21.4%	21.1%	P=0.87
\$150,000 - \$400,000	2017	29.6%	62.0%	60.6%	P=.002
	2018	16.1%	48.9%	50.6%	p<.001

Q: I am confident that I have acquired the clinical skills required to begin a residency Program. % Agree and Strongly agree

### PREPAREDNESS FOR RESIDENCY



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Consortium of Accelerated Medical Pathway Programs