



PAEA RESEARCH

Program Report 34

By the Numbers | Data from the 2018 Program Survey



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Acknowledgements

PAEA acknowledges the Research Mission Advancement Commission (RMAC) and its current chair, Richard Dehn, MPA, PA-C, for their review and guidance. The PAEA Research Team was responsible for the development and administration of the survey as well as for the preparation of this report. For any questions regarding the contents of this report, please contact research@PAEAonline.org.

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The PAEA RMAC and Research Team would like to thank the program directors, faculty, and staff who provided these data. Also, many thanks to Creative Director Tracy Mextorf and Editorial Director Elizabeth Alesbury for their design and editing contributions.

Recommended Citation

Physician Assistant Education Association, *By the Numbers: Program Report 34: Data from the 2018 Program Survey*, Washington, DC: PAEA; 2019. doi: 10.17538/PR34.2019



BY THE NUMBERS

PROGRAM REPORT 34: DATA FROM THE 2018 PROGRAM SURVEY

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INTRODUCTION

Physician Assistant Education Association

Founded in 1972, the Physician Assistant Education Association (PAEA) is the only national organization representing PA education programs in the United States. At the time of the 2018 Program Survey administration in July 2018, PAEA represented 236 PA programs. For more information about PAEA and our products and services, visit PAEAonline.org.

METHODS

The Survey Instrument

The 2018 Program Survey collected data that are reported in the following sections:

- **Section 1. General Information:** Includes geographic location of programs, credentials awarded, program length, and program start and end months
- **Section 2. Financial Information:** Includes information on program budget sources, expense areas, tuition and fees, and payments for clinical sites
- **Section 3. Program Personnel:** Includes information on faculty teaching load, faculty and staff headcounts and full-time equivalents (FTE), tenure, and barriers to hiring new faculty
- **Section 4. Students:** Includes information on capacity and enrollment, and academic and demographic information for the first-year class and 2018 cohort of PA students

In addition, the Program Survey contained a section dedicated to the [Support to Advance Research \(STAR\) Program](#). STAR is an initiative, developed by the PAEA RMAC and Research Team, that allows faculty of PAEA member programs to submit up to 10 questions for inclusion in the Program Survey to gather data for their own research. The data were provided to the principal investigator of the project for separate analysis and publication and are not reported here.

The questions in all sections of the survey, except those relating to financial information, reflect the 2017–2018 academic year. The financial information is based on the 2017–2018 fiscal year, as defined by each program. Unless otherwise indicated, the survey covers the professional phase of the program. The “professional phase” is defined as the portion of a PA student’s education that is conducted in a program accredited by the Accreditation Review Commission on Education for the Physician Assistant (ARC-PA). This phase is typically two to three calendar years in length ($M = 26.8$ months) over seven continuous semesters. Mean didactic phase education is 58.1 weeks followed by 54.3 weeks of seven core clinical rotations and additional electives. Approximately one-third of programs include clinical training experiences during the first year. Students in “pre-PA” or “pre-professional” programs (i.e., the first two or three years of 2+2, 3+2, and similar programs) were not considered to be in the professional phase.

Survey Administration

The 2018 Program Survey was sent to the program directors of PAEA’s 236 member programs in July 2018. The PAEA Research Team sent email reminders to non-respondents and conducted follow-up calls between July and December 2018 until all 236 accredited member programs had completed the survey. The survey closed in December 2018. The survey yielded an overall response rate of 100% based on the 236 respondents; however, the response rate varies for individual items.

Data Cleaning & Analysis

Responses were checked for logical consistency and examined for extreme values and possible errors. In cases of obvious misinterpretations or inconsistencies in the responses to specific items, respondents were contacted for clarification. Responses that fell outside of reasonable parameters (e.g., total annual program budgets of \$1,000) were not included in the analyses. Some

reasonably plausible outliers were retained in some statistics, particularly in those presenting financial data. When interpreting financial statistics, readers are advised to rely primarily on medians and trimmed means, which are less susceptible to outlier influence than arithmetic means and are more useful for comparison across time and between programs within the same year.

In general, analyses of the data consisted of calculating descriptive statistics on the variables of interest — percentage, minimum and maximum values (range), arithmetic mean (*M*), standard deviation (*SD*), median (*Mdn*), and percentiles (*P*). Tables describing financial information also include a 10% trimmed mean (*M(T)*), or the mean when the bottom and top 10% of responses are excluded. For some tables and figures, percentages will not equal 100% due to rounding or when multiple responses were allowed. Total columns on tables and figures are designated by *n*. Exact financial data were not reported if there were fewer than five respondents. Any other notations not described here are defined in the body of the report.

Report Enhancements

While PAEA aims to maintain as much consistency as possible in data collection and reporting, some changes are made each year to improve data quality and to add clarity or additional information to the results that have been Program Report fixtures for years.

This year's report retains many improvements from last year's [Program Report 33](#), including changes to the way that first-year and cohort demographics are reported. Refer to *Program Report 33* for a full description of report enhancements from previous reports.

In addition, for the third year, this report includes information on the proportion of programs that did not report demographic information for their first-year class ([Table 49](#)) and their 2018 cohort ([Table 58](#)). The consolidation of statistics on student demographic missingness was a necessary inclusion due to this recurring problem, which may misrepresent the true demographic composition of PA student cohorts. Diversity is a core aspect of the PAEA mission and one of the dominant themes of the [PAEA Strategic Plan](#). When programs do not report student demographic information — either because they did not collect this information or chose not to provide it — critical information about the national PA student body is lost. This limits the Research Team's reporting and capacity for empirical research on the PA student body and weakens the data that PAEA's Government Relations Team uses to advocate for debt relief and the support of PA education in state and federal policy. While the PAEA Research Team is exploring methods for improving these data and making collecting them less onerous, programs are encouraged to prioritize the accurate collection and tracking of student demographic information to ensure the most reliable data are available for the profession.

Finally, a new set of questions on tenure was added to this year's survey and report. This small set of questions seeks to gather information on the current status of tenure and tenure opportunities for PA faculty and to identify barriers to obtaining tenure and/or tenure-track positions for PA faculty. This set of questions will be asked every three years.

Limitations

Program personnel and student data included in this report are provided by PA programs and may vary in response rate and accuracy; thus, yearly fluctuations in the data do occur. For example, in questions addressing student demographics, some programs only reported headcounts of students belonging to a non-majority demographic group (e.g., in response to the question about first-year students' ethnicities, a program might report two Hispanic students but no non-Hispanic students). If substantial changes in any report data occur in a particular year, PAEA recommends pausing until the following year's report is released before taking any permanent action in your program. Variation may be due to response rates or random fluctuation.

Questions & Data Requests

The data from the 2018 Program Survey, as well as custom reports using these data, are **available to programs upon request**. More information is available in [PAEA's Data Request & Sharing Policies](#). Please direct inquiries regarding data requests or this report to the Research Team at research@PAEAonline.org.

SECTION 1. GENERAL INFORMATION

FIGURE 1. CUMULATIVE TOTAL NUMBER OF PA PROGRAMS SINCE 1965

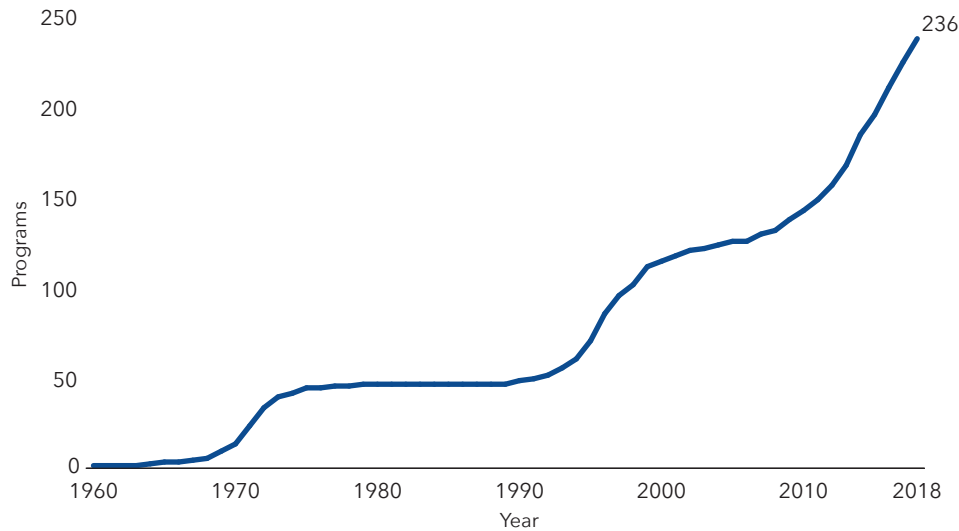
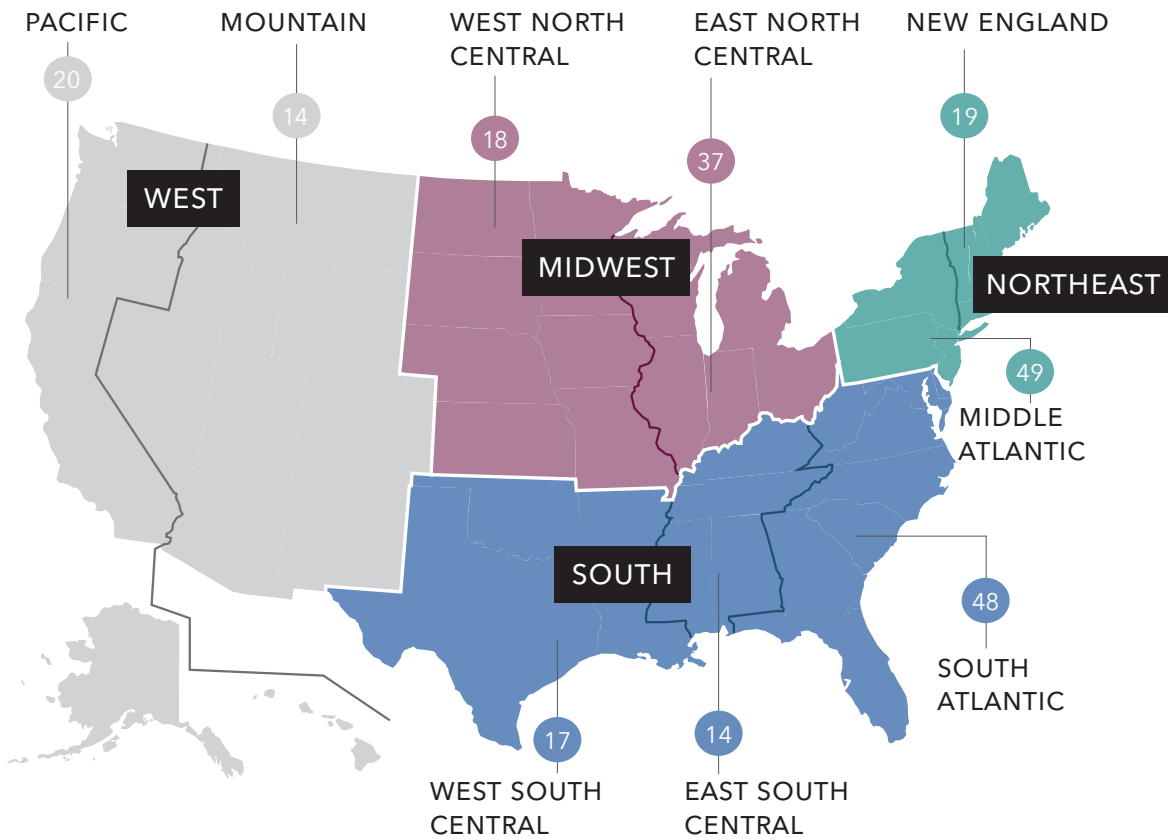


TABLE 1. SPONSORING INSTITUTION ATTRIBUTES

	<i>n</i>	%
Type of institution		
Private, non-profit	147	62.3
Public	71	30.1
Private, for-profit	15	6.4
Public/private hybrid	2	0.8
Military	1	0.4
Academic Health Center status		
Non-AHC	167	70.8
AHC	69	29.2
Administrative housing		
School of Allied Health/Health Professions/Health Sciences	120	50.8
Department of PA Studies/PA Program	39	16.5
College/School of Medicine	36	15.3
College of Arts and Sciences	13	5.5
College of Graduate and Professional Studies	13	5.5
Other health discipline (e.g., Nursing, Pharmacy, Podiatry, etc.)	9	3.8
Science Department	6	2.5
Total	236	100.0

FIGURE 2. U.S. CENSUS BUREAU REGIONS AND DIVISIONS



Note: Numbers in parentheses indicate the number of PAEA member programs in each state

REGION 1 NORTHEAST
68 PROGRAMS

DIVISION 1 NEW ENGLAND

- Connecticut (6)
- Maine (1)
- Massachusetts (8)
- New Hampshire (2)
- Rhode Island (2)
- Vermont (0)

DIVISION 2 MIDDLE ATLANTIC

- New Jersey (3)
- New York (23)
- Pennsylvania (23)

REGION 2 MIDWEST
55 PROGRAMS

DIVISION 3 EAST NORTH CENTRAL

- Illinois (6)
- Indiana (7)
- Michigan (6)
- Ohio (13)
- Wisconsin (5)

DIVISION 4 WEST NORTH CENTRAL

- Iowa (4)
- Kansas (1)
- Minnesota (4)
- Missouri (4)
- Nebraska (3)
- North Dakota (1)
- South Dakota (1)

REGION 3 SOUTH
79 PROGRAMS

DIVISION 5 SOUTH ATLANTIC

- Delaware (0)
- District of Columbia (1)
- Florida (14)
- Georgia (4)
- Maryland (2)
- North Carolina (11)
- South Carolina (5)
- Virginia (8)
- West Virginia (3)

DIVISION 6 EAST SOUTH CENTRAL

- Alabama (2)
- Kentucky (3)
- Mississippi (1)
- Tennessee (8)

DIVISION 7 WEST SOUTH CENTRAL

- Arkansas (2)
- Louisiana (3)
- Oklahoma (3)
- Texas (9)

REGION 4 WEST
34 PROGRAMS

DIVISION 8 MOUNTAIN

- Arizona (3)
- Colorado (3)
- Idaho (1)
- Montana (1)
- Nevada (2)
- New Mexico (2)
- Utah (2)
- Wyoming (0)

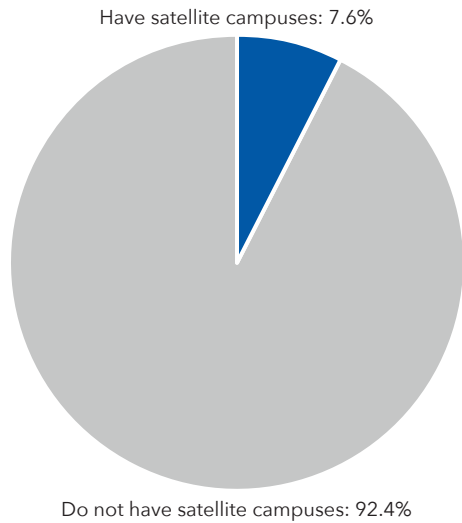
DIVISION 9 PACIFIC

- Alaska (0)
- California (16)
- Hawaii (0)
- Oregon (2)
- Washington (2)

TABLE 2. GEOGRAPHIC DISTRIBUTION OF PA PROGRAMS

	<i>n</i>	%
Northeast Region		
New England Division	19	8.1
Middle Atlantic Division	49	20.8
Subtotal	68	28.8
Midwest Region		
East North Central Division	37	15.7
West North Central Division	18	7.6
Subtotal	55	23.3
South Region		
South Atlantic Division	48	20.3
East South Central Division	14	5.9
West South Central Division	17	7.2
Subtotal	79	33.5
West Region		
Mountain Division	14	5.9
Pacific Division	20	8.5
Subtotal	34	14.4
Total	236	100.0

FIGURE 3. SATELLITE CAMPUSES



18 programs operated a total of 26 satellite campuses accredited through their sponsoring institutions. Of these programs with satellite campuses, 5 (27.8%) had separate admissions processes.

Academic Terms & Schedules

TABLE 3. ACADEMIC TERMS

	<i>n</i>	%
Semesters	190	80.5
Quarters	22	9.3
Trimesters	21	8.9
Other	3	1.3
Total	236	100.0

TABLE 4. CREDITS REQUIRED FOR COMPLETION BY ACADEMIC TERM

	<i>n</i>	Range	<i>M</i>	<i>SD</i>	<i>Mdn</i>
Semesters	188	48.0-154.0	107.2	17.1	106.0
Quarters	22	105.0-180.0	148.4	23.1	153.0
Trimesters	21	77.0-161.5	110.8	20.5	113.0
Other	5	91.0-120.0	110.2	11.8	116.0
Overall	236	48.0-180.0	111.4	21.4	109.0

FIGURE 4. PA PROGRAM START AND END MONTHS

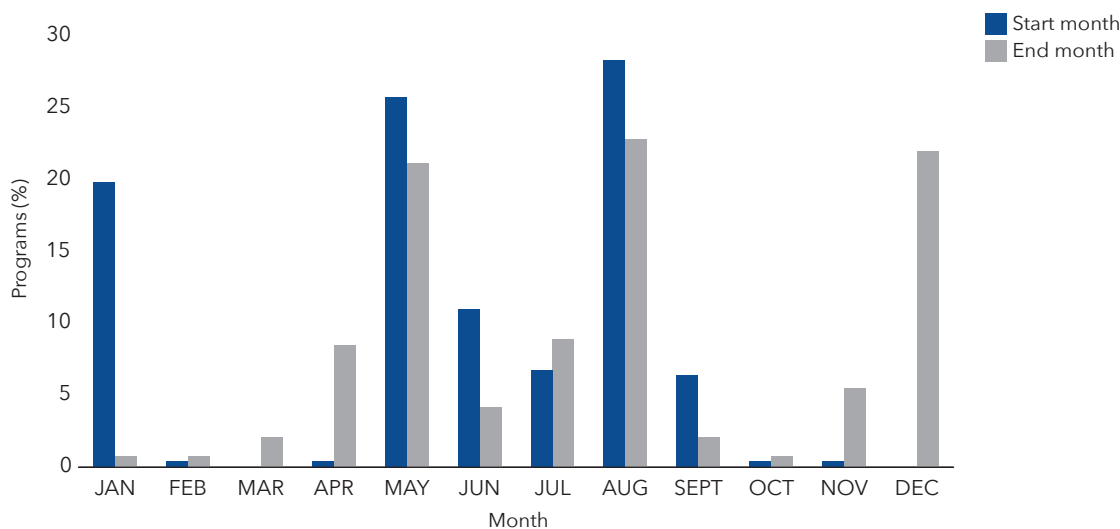


TABLE 5. PA PROGRAM LENGTH (WEEKS)

	<i>n</i>	Range	<i>M</i>	<i>SD</i>	P10	P25	P50 (<i>Mdn</i>)	P75	P90
Didactic phase	236	30.0-120.0	58.1	10.3	49.5	52.0	55.0	64.0	69.5
Clinical phase	236	24.0-105.0	54.3	9.0	48.0	50.0	52.0	56.3	65.6
Vacation	236	1.0-30.0	9.8	5.2	4.0	6.0	9.0	12.0	16.5

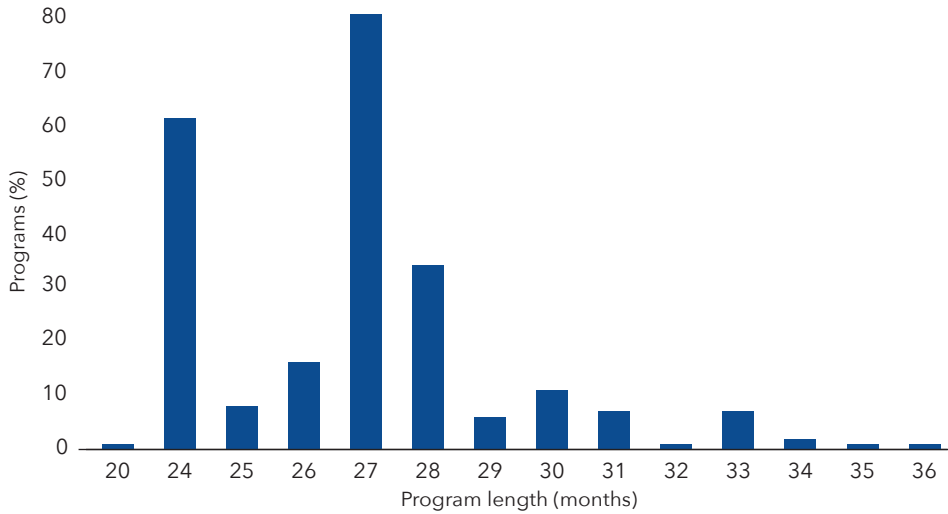
Note: The length of didactic and clinical phases did not include vacations or other time off.

80 programs (33.9%) offered clinical experiences during the didactic phase. On average, these programs offered clinical experiences on 15.8 days (range = 1.0-80.0, *SD* = 15.9, *Mdn* = 10.0).

TABLE 6. TOTAL PA PROGRAM LENGTH (MONTHS)

	<i>n</i>	Range	<i>M</i>	<i>SD</i>	<i>Mdn</i>
PA program length	236	20.0–36.0	26.8	2.5	27.0

FIGURE 5. TOTAL PA PROGRAM LENGTH (MONTHS)



Admissions

Programs were asked to report how many students were admitted during the graduate, professional phase of the 2017–2018 academic year from three categories:

- CASPA admission to the graduate phase (not part of undergraduate, pre-professional track)
- Direct program admission (not through CASPA) to the graduate phase
- Direct program admission from undergraduate, pre-professional track to the graduate phase

TABLE 7. ADMISSIONS

	<i>n</i> (P)	<i>n</i> (S)	<i>M</i>	<i>SD</i>	P10	P25	P50 (<i>Mdn</i>)	P75	P90	Mean % of Admissions
CASPA admission to the graduate phase (not part of undergraduate, pre-professional track)	202	9,367	46.4	21.9	26.0	30.0	40.0	54.0	75.9	96.9
Direct program admission (not through CASPA) to the graduate phase	21	571	27.2	45.4	1.0	2.0	7.0	44.0	56.0	44.5
Direct program admission from undergraduate, pre-professional track to the graduate phase	39	959	24.6	18.3	3.8	9.0	22.0	37.0	46.0	51.0

Note: “*n* (P)” refers to the number of reporting programs. “*n* (S)” refers to the number of students reported by the programs. “Mean % of admissions” represents the average percentage of admitted students for that category for programs that reported admissions from that category.

TABLE 8. USE OF CASPA IN ADMISSIONS

	<i>n</i>	%
All students were admitted through CASPA	175	74.5
Some but not all students were admitted through CASPA	27	11.5
No students were admitted through CASPA	23	9.8
No students were admitted in 2017-2018 academic year	10	4.3
Total	235	100.0

86.0% of programs reported using CASPA to admit some or all students.

Credentials

TABLE 9. CREDENTIALS AWARDED TO PA GRADUATES

	<i>n</i>	%
Certificate of completion	23	9.7
Baccalaureate degree	11	4.7
Master's degree	227	96.2
Associate's degree and optional master's degree	1	0.4
Bachelor's degree/Master's degree (accelerated program)	10	4.2
Master's degree plus Master of Public Health (MPH)	10	4.2
Total	236	-

Note: Programs were asked to select all credentials awarded to their PA graduates. Percentages will sum to more than 100% because programs could select multiple credentials.

TABLE 10. PRIMARY CREDENTIAL AWARDED TO PA GRADUATES

	<i>n</i>	%
Certificate of completion	2	0.8
Associate's degree	1	0.4
Baccalaureate degree	2	0.8
Associate's degree and master's degree	1	0.4
Bachelor's degree/Master's degree (accelerated program)	4	1.7
Master's degree	225	95.3
Master's degree plus Master of Public Health (MPH)	1	0.4
Total	236	100.0

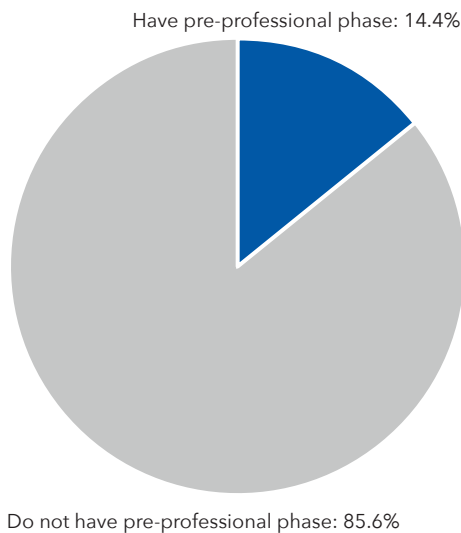
Note: Programs that selected more than one credential awarded to PA graduates were asked to indicate which was their program's primary credential.

TABLE 11. TYPE OF MASTER'S DEGREE AWARDED TO PA GRADUATES

	<i>n</i>	%
Master of Physician Assistant Studies (MPAS), Master of Science in Physician Assistant Studies (MSPAS), Master of Physician Assistant Practice (MPAP), or Master of Physician Assistant (MPA)	141	63.2
Master of Science (MS)	31	13.9
Master of Medical Science (MMS/MMSc) or Master of Science in Medicine (MSM)	30	13.5
Master of Health Science (MHS) or Master of Science in Health Science (MSHS)	15	6.7
Other	6	2.7
Total	223	100.0

Pre-Professional Phase

FIGURE 6. PROGRAMS WITH A PRE-PROFESSIONAL PHASE



34 programs (14.4%) reported having a pre-professional phase. Among these programs, 32 (94.1%) operated on a semester schedule with an average pre-professional phase length of 6.1 semesters (*SD* = 1.4, *Mdn* = 6.0). Programs reported admitting a total of 1,345 pre-professional students (range = 1-150, *M* = 40.8, *SD* = 34.1, *Mdn* = 38.0) in the 2017–2018 academic year.

TABLE 12. PROGRAM MODELS FOR THE PRE-PROFESSIONAL PHASE

	<i>n</i>	%
3+2	20	58.8
3+3	4	11.8
2+3	3	8.8
4+2	3	8.8
Other	4	11.8
Total	34	100.0

SECTION 2. FINANCIAL INFO

Programs were asked to supply their institution's financial information for the 2017–2018 fiscal year, rather than the 2017–2018 academic year. Missing values, obvious and extreme outliers, and reports of \$0 were excluded prior to analysis.

Throughout this section:

- **“% Reporting”** refers to the proportion of responding programs that provided a dollar amount for a budget source, expense, or fee, divided by the total number of programs that provided dollar amounts for at least one budget source, expense, or fee. These numerators exclude programs that were unable to provide dollar amounts for that specific category.
- **“n”** refers to the number of programs that reported a dollar amount.
- **“M (T)”** refers to the trimmed mean, or the mean when the top and bottom 10% of values are excluded.

TABLE 13. FISCAL YEAR DEFINITIONS

	<i>n</i>	%
July 1–June 30	176	74.6
June 1–May 31	29	12.3
September 1–August 31	15	6.4
October 1–September 30	7	3.0
January 1–December 31	6	2.5
Other	3	1.3
Total	236	100.0

Program Budget

Programs were asked to indicate all funding sources for their 2017–2018 fiscal year operations budgets, excluding in-kind contributions, from a list of 11 sources. Programs could provide as many “Other” sources as needed, which were recoded into existing categories when possible. Programs were then asked to report the dollar amount of funding received from each selected source. **“Total budget”** refers to the sum of each program's itemized budget sources. Programs that reported total budgets of under \$120,000 were excluded. A total of 224 programs reported dollar amounts. **“Mean % of budget”** was calculated by dividing each program's amount of financial support from each source by the program's total budget, then taking the average percentage across programs. The percentages do not sum to 100% because not all programs reported receiving financial support from each source.

TABLE 14. SOURCES OF PA PROGRAMS' FINANCIAL SUPPORT (\$)

	% Reporting	n	M	M (T)	SD	P10	P25	P50 (Mdn)	P75	P90	Mean % of Budget
Budgeted funds from sponsoring institution	62	139	1,414,870	1,252,782	1,215,682	146,336	441,000	1,257,000	1,906,658	3,071,314	83.6
Clinical practice income	5	11	91,314	82,912	68,430	20,268	33,838	108,666	124,484	130,000	11.9
Endowment	5	12	81,901	59,266	119,708	4,908	17,184	23,014	87,190	235,661	4.7
Federal grant/Contract	8	19	224,871	160,044	365,277	9,481	30,358	100,472	205,906	545,009	8.7
Private donations and gifts	8	19	101,973	73,629	195,609	862	5,909	28,287	77,500	244,357	14.6
Private foundation	4	9	38,712	38,712	45,582	4,090	11,955	21,000	50,000	70,000	2.0
State appropriations	10	22	678,687	657,187	466,597	109,981	362,386	674,372	964,472	1,336,632	52.5
State grant/Contract	3	6	207,102	207,102	152,467	97,071	152,724	181,737	185,000	342,500	22.2
Tuition and fees received directly by the program	48	108	1,958,167	1,679,765	1,914,467	93,689	392,884	1,491,728	2,938,367	4,133,399	78.1
Other	5	12	317,116	201,535	564,309	2,655	15,832	47,500	250,000	939,613	34.3
Total budget	-	224	1,216,384	947,455	1,477,739	24,205	111,833	748,230	1,767,067	3,071,314	100.0

TABLE 15. SOURCES OF FINANCIAL SUPPORT AMONG PUBLIC AND PRIVATE PA PROGRAMS (\$)

	% Reporting	n	M	M (T)	SD	P10	P25	P50 (Mdn)	P75	P90	Mean % of Budget
Public											
Budgeted funds from sponsoring institution	59.4	41	886,520	763,155	878,214	43,925	171,000	749,302	1,441,748	1,698,397	61.3
Clinical practice income	13.0	9	78,694	78,694	51,039	19,214	26,793	108,666	123,322	126,517	5.8
Federal grant/Contract	11.6	8	279,575	279,575	517,785	26,776	48,975	100,593	180,322	613,392	11.9
Private donations and gifts	13.0	9	160,428	160,428	274,902	5,627	7,332	26,561	55,000	617,050	15.2
State appropriations	29.0	20	709,140	692,566	471,147	182,883	404,976	708,939	990,718	1,355,938	52.4
Tuition and fees received directly by the program	60.9	42	1,501,351	1,136,831	1,822,772	89,515	263,935	1,105,449	1,913,427	3,472,271	64.1
Other	8.7	6	485,396	485,396	736,896	16,290	38,750	65,834	736,594	1,374,063	51.1
Total budget	-	69	841,466	610,675	1,217,750	20,313	65,000	431,340	1,253,295	1,806,389	100.0
Private											
Budgeted funds from sponsoring institution	63.8	97	1,630,777	1,473,212	1,277,256	244,048	730,737	1,453,492	2,125,751	3,266,103	92.9
Endowment	5.3	8	68,843	68,843	82,736	5,679	17,266	36,024	87,190	161,061	2.8
Federal grant/Contract	6.6	10	203,293	172,290	222,901	10,125	40,838	128,285	267,014	531,481	7.1
Private donations and gifts	6.6	10	49,363	42,206	53,473	819	3,500	39,144	87,500	106,007	14.0
Private foundation	4.6	7	43,994	43,994	49,935	9,173	15,978	21,000	50,000	90,000	2.3
Tuition and fees received directly by the program	42.8	65	2,238,275	2,011,588	1,941,041	96,100	496,500	2,055,000	3,275,160	4,230,899	86.8
Other	3.9	6	148,837	148,837	299,334	2,573	7,495	24,937	68,218	419,000	17.6
Total budget	-	152	1,471,173	1,216,233	1,590,366	33,600	163,537	1,035,503	2,193,334	3,466,907	100.0

Note: Sources with fewer than 5 programs reporting dollar amounts were excluded.

TABLE 16. BUDGET SOURCES BY AVERAGE CLASS SIZE AMONG PUBLIC AND PRIVATE PROGRAMS (\$)

	<i>n</i>	<i>M</i>	<i>M (T)</i>	<i>SD</i>	<i>P10</i>	<i>P25</i>	<i>P50 (Mdn)</i>	<i>P75</i>	<i>P90</i>
Public									
Budgeted funds from sponsoring institution									
25 or fewer students	7	464,543	464,543	363,745	34,507	171,963	500,000	698,449	845,821
26-50 students	26	937,669	878,145	773,676	87,801	190,450	992,018	1,455,461	1,628,733
51-75 students	5	1,649,850	1,649,850	1,513,783	202,308	423,270	1,818,500	2,089,945	3,153,500
Subtotal	41	886,520	763,155	878,214	43,925	171,000	749,302	1,441,748	1,698,397
Tuition and fees received directly by the program									
25 or fewer students	8	588,184	588,184	456,748	145,769	241,893	438,170	1,009,101	1,145,989
26-50 students	23	1,159,639	1,085,677	924,329	108,284	360,700	1,110,898	1,869,998	2,072,143
51-75 students	7	2,440,641	2,440,641	2,792,176	100,062	124,250	1,201,741	4,158,422	5,542,106
Subtotal	42	1,501,351	1,136,831	1,822,772	89,515	263,935	1,105,449	1,913,427	3,472,271
Total budget									
25 or fewer students	29	373,902	339,450	381,862	8,782	49,953	260,246	500,000	981,161
26-50 students	76	840,420	748,511	793,354	30,358	152,605	738,726	1,416,116	1,785,681
51-75 students	27	1,161,664	857,127	1,771,911	21,936	55,000	200,000	1,535,619	3,877,522
101 or more students	7	680,956	680,956	1,106,426	4,271	18,660	50,000	868,846	1,974,999
Subtotal	69	841,466	610,675	1,217,750	20,313	65,000	431,340	1,253,295	1,806,389
Private									
Budgeted funds from sponsoring institution									
25 or fewer students	9	566,560	566,560	333,410	148,326	224,600	708,086	796,498	838,309
26-50 students	59	1,476,230	1,356,630	1,039,063	310,897	782,135	1,400,000	1,908,060	2,612,543
51-75 students	20	2,484,145	2,347,311	1,618,686	1,267,741	1,569,039	2,020,883	3,026,471	4,482,847
Subtotal	97	1,630,777	1,473,212	1,277,256	244,048	730,737	1,453,492	2,125,751	3,266,103
Tuition and fees received directly by the program									
25 or fewer students	7	894,784	894,784	872,734	76,529	198,600	387,500	1,676,684	1,885,520
26-50 students	42	1,939,880	1,911,078	1,298,062	241,440	873,350	1,981,231	3,005,479	3,485,920
51-75 students	8	2,447,591	2,447,591	2,360,819	51,500	86,203	2,041,130	4,739,990	5,277,044
76-100 students	6	5,672,733	5,672,733	2,574,936	3,325,845	4,111,727	5,073,262	7,398,529	8,619,092
Subtotal	65	2,238,275	2,011,588	1,941,041	96,100	496,500	2,055,000	3,275,160	4,230,899
Total budget									
25 or fewer students	19	613,890	564,319	616,546	58,969	135,250	387,500	797,193	1,624,814
26-50 students	121	1,403,837	1,273,614	1,224,911	50,000	257,014	1,200,000	2,125,751	3,250,955
51-75 students	44	1,620,142	1,350,201	1,838,335	23,700	75,500	1,428,426	2,694,115	4,551,186
76-100 students	17	2,455,763	2,158,264	2,948,325	26,972	52,963	2,097,900	4,100,128	6,745,882
Subtotal	152	1,471,173	1,216,233	1,590,366	33,600	163,537	1,035,503	2,193,334	3,466,907
All programs									
Budgeted funds from sponsoring institution									
25 or fewer students	16	521,928	523,605	339,032	51,778	211,075	606,279	781,782	894,243
26-50 students	85	1,311,494	1,189,067	992,943	182,682	465,000	1,257,000	1,685,511	2,273,429
51-75 students	25	2,317,286	2,184,900	1,603,811	248,317	1,555,332	1,912,240	3,000,056	4,207,385
76-100 students	6	1,219,693	1,219,693	1,123,366	100,000	214,212	1,252,373	2,229,816	2,306,707
Subtotal	138	1,409,657	1,244,912	1,218,550	144,504	436,500	1,236,695	1,898,557	3,075,614

(continued)

TABLE 16. BUDGET SOURCES BY AVERAGE CLASS SIZE AMONG PUBLIC AND PRIVATE PROGRAMS (\$), continued

	<i>n</i>	<i>M</i>	<i>M (T)</i>	<i>SD</i>	<i>P10</i>	<i>P25</i>	<i>P50 (Mdn)</i>	<i>P75</i>	<i>P90</i>
Tuition and fees received directly by the program									
25 or fewer students	15	731,264	680,762	675,133	69,793	223,540	431,340	1,176,648	1,693,974
26-50 students	65	1,663,795	1,597,315	1,230,647	177,844	496,500	1,480,377	2,688,910	3,353,355
51-75 students	15	2,444,348	2,261,632	2,475,479	70,362	101,885	2,000,000	4,508,422	5,394,129
76-100 students	8	4,788,559	4,788,559	2,757,081	2,185,346	2,843,813	4,123,326	6,466,176	8,317,337
Subtotal	107	1,949,015	1,665,309	1,921,102	93,162	391,090	1,480,377	2,925,661	4,135,274
Total budget									
25 or fewer students	48	468,897	395,563	496,506	17,275	64,909	303,600	756,196	1,030,000
26-50 students	197	1,186,478	1,038,174	1,111,335	33,827	185,868	1,000,000	1,771,000	2,942,768
51-75 students	71	1,445,791	1,117,293	1,814,489	21,000	58,719	600,000	2,086,102	4,416,843
76-100 students	24	1,938,111	1,463,774	2,654,328	12,273	42,911	462,400	2,648,978	5,443,957
Subtotal	221	1,213,968	940,609	1,480,731	25,000	111,833	748,230	1,738,310	3,088,515

Note: Subgroups with fewer than 5 programs reporting dollar amounts were excluded. Therefore, subgroup *n*'s may not sum to the subtotal *n*'s.

TABLE 17. SOURCES OF FINANCIAL SUPPORT BY AHC STATUS (\$)

	% Reporting	<i>n</i>	<i>M</i>	<i>M (T)</i>	<i>SD</i>	<i>P10</i>	<i>P25</i>	<i>P50 (Mdn)</i>	<i>P75</i>	<i>P90</i>	Mean % of Budget
Academic Health Center											
Budgeted funds from sponsoring institution	59.1	39	1,252,378	1,039,610	1,354,935	42,320	353,423	993,680	1,601,046	2,299,707	66.5
Clinical practice income	13.6	9	80,036	80,036	50,070	19,214	26,793	108,666	123,322	126,517	5.7
Endowment	10.6	7	110,161	110,161	150,506	3,279	5,422	47,047	161,547	304,503	6.2
Federal grant/Contract	15.2	10	324,117	209,958	484,919	16,936	36,265	97,011	441,418	742,950	11.0
Private donations and gifts	15.2	10	93,207	41,442	181,854	6,190	8,006	27,424	88,000	150,462	4.1
State appropriations	21.2	14	682,064	677,700	423,860	199,870	367,146	708,939	964,472	1,261,820	56.7
Tuition and fees received directly by the program	59.1	39	2,372,562	2,015,763	2,408,321	104,281	610,142	1,590,234	3,010,142	5,126,000	70.5
Total budget	-	66	1,126,924	756,446	1,706,628	11,097	50,000	445,310	1,511,926	2,961,500	100.0
Non-Academic Health Center											
Budgeted funds from sponsoring institution	63.3	100	1,478,242	1,338,269	1,157,994	180,482	489,581	1,321,245	2,091,638	3,254,742	90.3
Endowment	3.2	5	42,336	42,336	45,551	20,935	21,000	21,027	25,000	84,257	2.5
Federal grant/Contract	5.7	9	114,597	114,597	98,378	2,691	30,715	100,713	169,826	217,870	6.2
Private donations and gifts	5.7	9	111,712	111,712	220,645	862	3,000	50,000	55,000	261,407	26.1
Private foundation	5.1	8	43,494	43,494	46,252	9,869	17,989	30,500	50,000	80,000	2.2
State appropriations	5.1	8	672,777	672,777	565,178	70,000	344,703	545,759	962,922	1,340,626	45.1
Tuition and fees received directly by the program	43.7	69	1,723,944	1,565,428	1,540,110	94,216	320,000	1,307,124	2,573,753	4,047,992	82.3
Total budget	-	158	1,274,245	1,074,084	1,309,572	50,000	172,868	930,101	1,991,852	3,279,259	100.0

Note: Sources with fewer than 5 programs reporting dollar amounts were excluded.

TABLE 18. SOURCES OF FINANCIAL SUPPORT BY ADMINISTRATIVE HOUSING (\$)

	<i>n</i>	<i>M</i>	<i>M (T)</i>	<i>SD</i>	<i>P10</i>	<i>P25</i>	<i>P50 (Mdn)</i>	<i>P75</i>	<i>P90</i>	Mean % of Budget
College of Arts and Sciences										
Budgeted funds from sponsoring institution	8	1,344,416	1,344,416	518,822	917,888	1,039,901	1,198,560	1,473,803	2,072,530	97.7
Tuition and fees received directly by the program	6	1,555,341	1,555,341	1,462,457	91,673	373,009	1,553,731	2,018,115	3,020,620	83.8
Total budget	13	1,073,293	965,028	1,046,309	24,200	91,673	1,056,335	1,605,220	2,098,758	100.0
College of Graduate and Professional Studies										
Budgeted funds from sponsoring institution	7	1,487,594	1,487,594	1,038,824	398,074	787,805	1,257,000	1,974,013	2,602,651	96.1
Tuition and fees received directly by the program	7	1,507,751	1,507,751	1,450,470	153,149	320,989	1,014,670	2,539,572	3,298,450	86.3
Total budget	13	937,454	763,815	1,175,447	20,200	53,896	320,184	1,537,750	2,833,940	100.0
College/School of Medicine										
Budgeted funds from sponsoring institution	24	1,067,961	981,956	892,662	30,678	276,049	944,377	1,643,069	1,946,010	60.3
Tuition and fees received directly by the program	24	2,227,061	1,839,923	2,223,711	300,576	763,611	1,535,305	3,009,438	4,040,090	69.0
Total budget	35	992,327	688,278	1,520,936	10,562	50,741	400,763	1,473,656	2,935,796	100.0
Department of PA Studies/PA Program										
Budgeted funds from sponsoring institution	22	1,757,815	1,467,789	1,911,315	133,040	291,762	1,178,616	2,868,156	4,238,213	87.0
Tuition and fees received directly by the program	20	2,211,474	2,151,748	1,709,207	55,737	431,675	2,085,509	3,572,944	4,318,435	77.2
Total budget	37	1,700,538	1,479,405	1,741,282	50,743	197,787	1,314,132	2,891,749	4,266,612	100.0
School of Allied Health/Health Professions/Health Sciences										
Budgeted funds from sponsoring institution	71	1,474,496	1,344,082	1,132,989	171,000	565,643	1,441,748	2,093,332	3,105,715	86.4
Tuition and fees received directly by the program	44	1,857,609	1,560,670	1,908,910	99,239	266,213	1,353,786	2,743,283	3,873,511	79.6
Total budget	109	1,249,803	1,017,337	1,403,358	30,502	150,000	942,000	1,891,000	2,974,026	100.0
Science Department										
Total budget	6	785,313	785,313	707,978	253,450	281,475	345,000	1,213,500	1,754,970	100.0
Other health discipline (e.g., Nursing, Pharmacy, Podiatry, etc.)										
Total budget	7	1,294,926	773,576	2,050,832	100,000	133,071	757,000	1,280,449	1,763,134	100.0

Note: Sources with fewer than 5 programs reporting dollar amounts were excluded.

Program Expenses

Programs were asked to report their total, non-itemized expenses for the 2017–2018 fiscal year. In addition, programs were asked to indicate itemized expenses incurred during the 2017–2018 fiscal year, from a list of 22 expense categories. Programs were then asked to report dollar amounts for each selected category. Programs could provide as many “Other” sources as needed, which were recoded into existing categories when possible. A total of 235 programs reported dollar amounts. **“Total expenses”** refers to programs’ reports of their total, non-itemized expenses for the 2017–2018 fiscal year and do not represent a sum of the itemized expenses reported in the tables.

The average institutional fringe rate for faculty salaries was 26.3% (n = 234, SD = 11.6, Mdn = 26.2).

TABLE 19. PA PROGRAM EXPENSES (\$)

	% Reporting	n	M	M (T)	SD	P10	P25	P50 (Mdn)	P75	P90
ARC-PA/Accreditation	79.1	186	16,381	15,482	5,895	15,000	15,000	15,000	15,000	20,542
Building expenses (e.g., lease, rent, furniture, renovations)	33.6	79	121,139	72,956	240,666	927	4,755	21,971	159,309	331,579
Education equipment/texts (not including simulation products)	60.9	143	31,197	19,530	67,002	1,074	3,994	11,135	36,703	73,671
Events (e.g., white coat ceremony, graduation)	68.5	161	14,247	9,260	34,931	1,402	3,487	7,564	15,000	27,136
Exams/Testing (e.g., PACKRAT/End of Rotation)	65.1	153	13,723	11,040	13,888	2,240	5,000	10,000	17,169	27,620
Faculty development (e.g., conferences, coursework, advanced degree)	84.3	198	19,915	17,640	15,493	5,000	8,822	15,865	25,818	37,163
Faculty fringe benefits	67.7	159	246,641	226,984	173,554	105,196	141,659	210,000	304,168	422,185
Faculty salaries (excluding fringe benefits)	88.5	208	863,882	810,910	460,124	451,250	576,693	777,585	1,034,771	1,377,259
Institution tax	15.3	36	730,695	517,726	1,124,598	16,845	69,002	342,550	917,500	1,807,345
IT (e.g., hardware, databases, clinical tracking, other software)	56.6	133	20,016	16,213	22,680	3,061	7,000	12,190	26,208	40,000
Laboratory supplies	66.8	157	23,442	17,090	34,722	2,873	6,300	12,510	26,889	54,090
Marketing and student recruitment	38.3	90	7,528	5,882	8,539	589	1,755	4,479	9,770	20,000
Office expenses (e.g., supplies, printing)	85.5	201	65,142	18,396	286,486	3,485	6,000	12,851	27,385	74,845
Payment for didactic instruction not included in faculty salaries	66.0	155	69,952	48,574	101,144	4,168	10,842	40,000	74,595	177,652
Payment for student housing and travel to remote clinical training sites	17.9	42	50,836	26,846	107,985	3,638	8,426	14,492	47,354	95,353
Payment for supervised clinical practice (sites and/or clinical preceptors)	32.8	77	185,337	134,187	260,706	10,000	40,000	114,500	239,000	358,141
Program membership/Association fees and dues (including PAEA)	76.2	179	12,403	8,898	26,374	3,950	4,460	7,000	14,400	20,334
Simulation activities (excluding capital and standardized patients)	30.2	71	30,501	20,388	44,337	2,987	5,101	15,000	30,975	78,000
Staff fringe benefits	54.5	128	69,074	51,058	96,027	15,964	26,195	43,140	76,217	115,679
Staff salaries (excluding fringe benefits)	83.4	196	181,549	144,272	216,217	52,708	85,390	132,591	205,790	312,788
Standardized patients	40.0	94	14,400	12,200	13,102	3,000	5,000	10,880	20,278	27,654
Travel (not for faculty development)	57.9	136	16,597	11,592	27,206	1,096	3,967	8,866	18,401	35,724
Other	66.0	155	139,374	36,118	471,453	715	3,000	9,400	67,519	278,587
Total expenses	-	235	1,796,344	1,594,486	1,307,921	750,279	1,055,924	1,522,349	2,125,895	3,042,284

TABLE 20. PROGRAM EXPENSES AMONG PRIVATE AND PUBLIC PROGRAMS (\$)

	% Reporting	n	M	M (T)	SD	P10	P25	P50 (Mdn)	P75	P90
Public										
ARC-PA/Accreditation	74.6	53	16,132	15,116	6,239	15,000	15,000	15,000	15,000	19,000
Building expenses (e.g., lease, rent, furniture, renovations)	28.2	20	182,575	85,738	401,309	469	5,392	24,001	169,206	419,379
Education equipment/Texts (not including simulation products)	53.5	38	29,748	24,037	35,068	4,066	6,875	17,165	34,935	76,750
Events (e.g., white coat ceremony, graduation)	66.2	47	7,229	6,113	7,095	1,373	2,334	4,800	9,742	17,276
Exams/Testing (e.g., PACKRAT/End of Rotation)	59.2	42	13,564	11,884	11,494	2,022	4,083	11,760	17,064	28,686
Faculty development (e.g., conferences, coursework, advanced degree)	81.7	58	20,903	19,188	14,919	5,158	9,536	20,000	27,913	38,431
Faculty fringe benefits	67.6	48	226,664	212,011	134,642	110,000	128,639	199,567	285,594	371,448
Faculty salaries (excluding fringe benefits)	91.5	65	873,122	808,183	504,236	446,283	550,000	744,000	1,040,000	1,418,997
Institution tax	16.9	12	306,108	269,085	359,294	10,445	22,661	189,750	421,831	907,932
IT (e.g., hardware, databases, clinical tracking, other software)	49.3	35	16,022	13,419	15,540	3,072	4,362	12,190	20,905	33,350
Laboratory supplies	56.3	40	17,799	13,607	20,884	2,593	4,750	10,076	19,214	47,211
Marketing and student recruitment	32.4	23	6,693	5,085	9,364	500	645	1,920	7,640	20,000
Office expenses (e.g., supplies, printing)	84.5	60	83,457	23,225	242,534	2,954	6,968	17,639	33,652	94,677
Payment for didactic instruction not included in faculty salaries	52.1	37	37,833	32,483	39,325	1,739	7,104	23,205	55,564	93,733
Payment for supervised clinical practice (sites and/or clinical preceptors)	14.1	10	94,178	62,892	149,639	6,380	10,200	33,467	56,500	313,784
Program membership/Association fees and dues (including PAEA)	70.4	50	9,306	7,766	8,213	4,085	4,195	5,720	9,950	20,272
Simulation activities (excluding capital and standardized patients)	31.0	22	43,360	30,024	63,896	4,075	5,684	20,225	35,061	133,301
Staff fringe benefits	57.7	41	96,905	59,406	152,487	13,200	32,129	46,440	86,506	153,029
Staff salaries (excluding fringe benefits)	87.3	62	204,316	155,321	272,308	40,111	66,420	143,880	244,079	320,595
Standardized patients	42.3	30	12,664	11,906	9,221	2,950	5,132	10,246	19,953	22,595
Travel (not for faculty development)	47.9	34	23,212	13,000	46,244	1,557	4,070	11,664	20,563	35,345
Other	38.0	27	150,210	30,418	444,404	1,072	3,506	11,725	54,500	121,000
Total expenses	-	71	1,695,455	1,504,311	1,289,552	717,407	1,000,264	1,399,500	1,918,115	2,840,000

(continued)

TABLE 20. PROGRAM EXPENSES AMONG PRIVATE AND PUBLIC PROGRAMS (\$), continued

	% Reporting	n	M	M (T)	SD	P10	P25	P50 (Mdn)	P75	P90
Private										
ARC-PA/Accreditation	81.4	131	16,503	15,696	5,815	15,000	15,000	15,000	15,343	22,500
Building expenses (e.g., lease, rent, furniture, renovations)	36.0	58	98,110	66,505	153,333	1,771	4,552	20,686	125,119	286,980
Education equipment/Texts (not including simulation products)	63.4	102	31,842	17,988	76,423	955	3,100	10,000	36,107	70,942
Events (e.g., white coat ceremony, graduation)	69.6	112	17,220	10,860	41,327	1,614	3,948	9,228	16,854	30,000
Exams/Testing (e.g., PACKRAT/End of Rotation)	67.7	109	13,775	10,745	14,853	2,768	5,000	9,620	17,000	25,612
Faculty development (e.g., conferences, coursework, advanced degree)	85.1	137	19,291	16,995	15,424	5,000	8,245	15,000	25,000	35,920
Faculty fringe benefits	67.7	109	252,905	232,485	188,653	99,290	144,554	210,000	313,436	465,283
Faculty salaries (excluding fringe benefits)	87.6	141	853,253	805,965	439,103	451,786	587,575	781,445	1,000,000	1,291,660
Institution tax	14.3	23	983,205	727,442	1,326,436	39,977	85,927	439,133	1,580,946	1,982,938
IT (e.g., hardware, databases, clinical tracking, other software)	59.0	95	21,422	17,210	24,932	2,991	7,460	12,102	30,607	41,784
Laboratory supplies	70.8	114	24,751	17,465	38,432	3,104	6,625	14,020	26,471	54,545
Marketing and student recruitment	41.0	66	7,407	6,048	7,653	1,250	2,554	5,000	9,194	17,220
Office expenses (e.g., supplies, printing)	85.7	138	58,356	16,962	306,964	3,776	6,000	12,389	25,670	71,454
Payment for didactic instruction not included in faculty salaries	72.7	117	80,393	57,395	112,486	5,760	15,449	44,722	91,521	215,773
Payment for student housing and travel to remote clinical training sites	22.4	36	53,291	27,281	115,668	3,191	8,753	15,396	44,796	104,717
Payment for supervised clinical practice (sites and/or clinical preceptors)	41.0	66	201,783	146,943	272,674	15,718	45,384	134,000	239,750	358,258
Program membership/Association fees and dues (including PAEA)	78.3	126	13,584	9,194	30,941	3,950	4,643	7,760	14,500	20,080
Simulation activities (excluding capital and standardized patients)	29.2	47	25,296	19,542	31,622	2,750	5,000	14,300	30,975	60,751
Staff fringe benefits	53.4	86	54,296	46,703	45,192	16,781	24,415	38,485	72,043	98,216
Staff salaries (excluding fringe benefits)	82.6	133	168,502	137,118	183,267	59,200	90,300	130,000	187,352	278,474
Standardized patients	39.1	63	15,262	12,605	14,678	3,016	5,000	11,000	20,971	32,729
Travel (not for faculty development)	62.1	100	14,117	10,858	16,253	1,099	3,859	8,441	17,803	33,988
Other	77.0	124	137,392	38,070	484,752	417	2,989	9,034	73,893	281,981
Total expenses	-	161	1,839,264	1,627,799	1,323,599	790,000	1,117,275	1,562,082	2,126,038	3,257,311

TABLE 21. PROGRAM EXPENSES BY AHC STATUS (\$)

	% Reporting	n	M	M (T)	SD	P10	P25	P50 (Mdn)	P75	P90
Academic Health Center										
ARC-PA/Accreditation	77.9	53	15,168	15,027	3,667	10,250	15,000	15,000	15,000	20,000
Building expenses (e.g., lease, rent, furniture, renovations)	36.8	25	137,114	104,121	182,595	242	7,519	56,003	189,923	342,226
Education equipment/Texts (not including simulation products)	51.5	35	18,940	15,063	22,886	1,000	4,000	8,505	26,592	49,200
Events (e.g., white coat ceremony, graduation)	76.5	52	16,165	11,916	19,810	2,190	3,822	8,391	19,508	40,471
Exams/Testing (e.g., PACKRAT/End of Rotation)	69.1	47	13,957	12,621	11,274	2,076	5,340	11,520	20,000	26,740
Faculty development (e.g., conferences, coursework, advanced degree)	82.4	56	24,741	21,741	20,074	6,875	10,413	20,000	31,418	57,908
Faculty fringe benefits	79.4	54	279,968	241,977	236,146	120,343	152,269	214,839	319,525	426,379
Faculty salaries (excluding fringe benefits)	92.6	63	956,291	891,362	531,621	494,794	618,699	861,458	1,115,912	1,568,989
Institution tax	32.4	22	659,272	529,984	830,331	17,329	71,857	342,550	904,368	1,893,221
IT (e.g., hardware, databases, clinical tracking, other software)	63.2	43	20,041	17,221	17,435	4,704	7,845	13,612	25,316	42,815
Laboratory supplies	63.2	43	21,597	17,472	22,815	2,825	5,650	11,926	24,652	57,900
Marketing and student recruitment	35.3	24	9,579	7,966	11,607	515	1,114	4,229	15,204	30,675
Office expenses (e.g., supplies, printing)	91.2	62	69,864	20,325	226,704	4,016	6,461	14,611	28,710	69,084
Payment for didactic instruction not included in faculty salaries	61.8	42	72,279	50,201	99,460	2,516	8,512	38,149	95,778	184,653
Payment for student housing and travel to remote clinical training sites	22.1	15	68,185	31,132	154,906	5,589	9,851	14,404	46,936	105,393
Payment for supervised clinical practice (sites and/or clinical preceptors)	13.2	9	108,393	108,393	132,710	18,549	40,000	44,000	125,457	202,441
Program membership/Association fees and dues (including PAEA)	80.9	55	9,820	8,669	7,745	4,010	4,290	7,500	11,375	19,920
Simulation activities (excluding capital and standardized patients)	42.6	29	40,591	30,646	58,075	2,997	5,202	16,644	58,730	100,044
Staff fringe benefits	69.1	47	97,725	69,505	136,921	19,951	36,867	59,656	99,028	171,230
Staff salaries (excluding fringe benefits)	86.8	59	244,743	181,200	297,130	61,783	107,203	164,826	245,658	425,930
Standardized patients	44.1	30	17,358	15,496	14,158	2,978	6,191	16,156	22,348	30,500
Travel (not for faculty development)	51.5	35	23,872	15,284	43,446	1,289	4,283	10,000	27,500	41,036
Other	73.5	50	224,628	59,826	703,507	1,177	2,513	10,157	100,529	656,417
Total expenses	-	68	2,172,270	1,837,019	1,723,595	940,523	1,164,065	1,617,080	2,420,646	3,653,380

(continued)

TABLE 20. PROGRAM EXPENSES AMONG PRIVATE AND PUBLIC PROGRAMS (\$), continued

	% Reporting	n	M	M (T)	SD	P10	P25	P50 (Mdn)	P75	P90
Non-Academic Health Center										
ARC-PA/Accreditation	79.6	133	16,864	15,578	6,525	15,000	15,000	15,000	15,000	22,400
Building expenses (e.g., lease, rent, furniture, renovations)	32.3	54	113,744	59,204	264,512	1,332	4,339	13,500	94,250	308,481
Education equipment/texts (not including simulation products)	64.7	108	35,169	21,748	75,672	1,229	3,954	14,169	39,894	76,750
Events (e.g., white coat ceremony, graduation)	65.3	109	13,332	8,462	40,245	1,193	3,000	7,280	14,242	23,632
Exams/Testing (e.g., PACKRAT/End of Rotation)	63.5	106	13,620	10,421	14,950	2,870	5,000	9,310	15,195	26,231
Faculty development (e.g., conferences, coursework, advanced degree)	85.0	142	18,012	16,425	12,857	4,538	8,061	15,000	25,000	35,000
Faculty fringe benefits	62.9	105	229,502	218,720	128,330	93,796	135,000	200,000	299,535	417,677
Faculty salaries (excluding fringe benefits)	86.8	145	823,732	782,420	421,065	432,370	564,750	743,005	973,787	1,264,930
Institution tax	8.4	14	842,931	499,338	1,506,352	20,096	41,656	394,010	884,000	1,383,538
IT (e.g., hardware, databases, clinical tracking, other software)	53.9	90	20,004	15,756	24,889	2,854	5,775	11,278	27,627	38,700
Laboratory supplies	68.3	114	24,138	16,999	38,330	3,104	6,376	12,603	26,972	53,028
Marketing and student recruitment	39.5	66	6,781	5,582	7,074	958	2,000	4,625	9,000	17,862
Office expenses (e.g., supplies, printing)	83.2	139	63,036	18,162	310,187	3,421	6,000	11,744	27,193	85,978
Payment for didactic instruction not included in faculty salaries	67.7	113	69,087	47,977	102,188	5,520	15,449	43,980	70,721	171,677
Payment for student housing and travel to remote clinical training sites	16.2	27	41,197	27,381	72,091	1,687	5,831	14,580	46,075	92,120
Payment for supervised clinical practice (sites and/or clinical preceptors)	40.7	68	195,521	141,483	272,202	10,000	38,601	129,500	243,563	358,025
Program membership/Association fees and dues (including PAEA)	74.3	124	13,549	9,020	31,241	3,950	4,488	7,000	14,566	21,776
Simulation activities (excluding capital and standardized patients)	25.1	42	23,534	17,382	30,514	2,438	5,250	13,713	29,061	57,043
Staff fringe benefits	48.5	81	52,450	42,968	55,648	14,400	23,733	34,006	70,000	97,558
Staff salaries (excluding fringe benefits)	82.0	137	154,334	131,604	164,014	47,461	81,286	120,000	183,128	278,109
Standardized patients	38.3	64	13,013	10,704	12,451	3,024	4,977	9,855	17,306	24,015
Travel (not for faculty development)	60.5	101	14,077	10,375	18,234	1,100	3,867	8,515	17,000	26,296
Other	62.9	105	98,777	30,376	301,305	544	3,000	8,000	50,307	225,084
Total expenses	-	167	1,643,273	1,512,519	1,063,437	695,184	1,023,119	1,460,032	1,972,925	2,878,590

Payment for Clinical Sites

FIGURE 7. TRENDS IN PAYMENT FOR CLINICAL SITES, 2012-2018

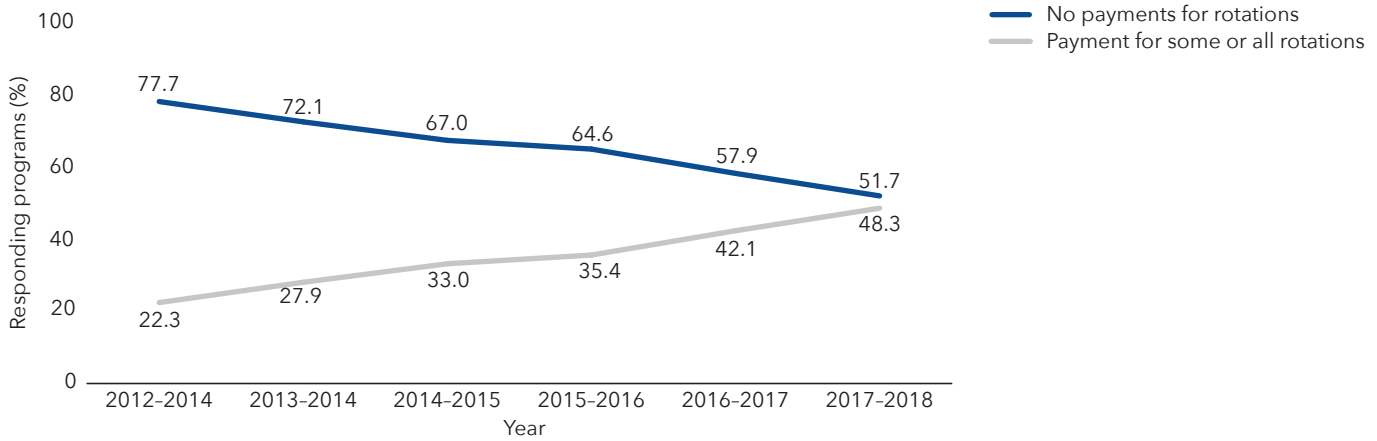
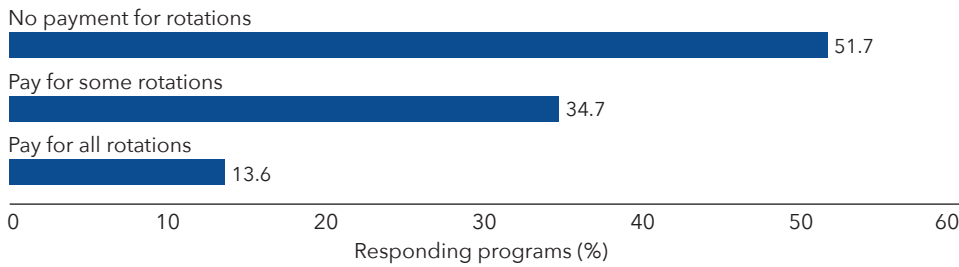


FIGURE 8. PROGRAM PAYMENT FOR CLINICAL SITES



114 programs (48.3%) reported paying for some or all rotations.

FIGURE 9. PAYMENT TO CLINICAL SITES AMONG PUBLIC AND PRIVATE PROGRAMS

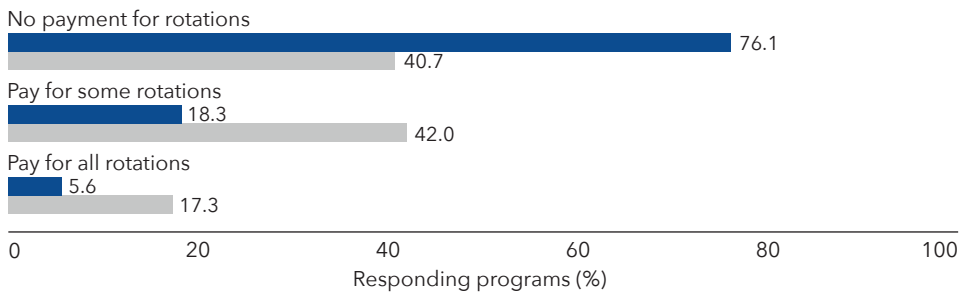


FIGURE 10. DIFFERENCES IN RATES OF PAYMENT TO CLINICAL SITES BY AHC STATUS

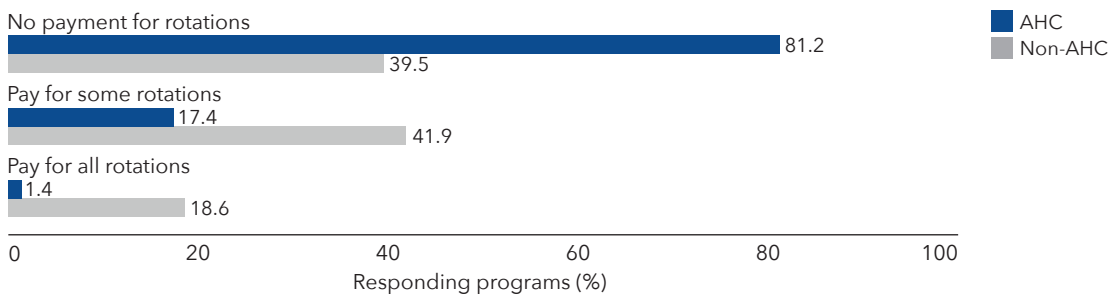


TABLE 22. PAYMENT FOR CLINICAL SITES BY GEOGRAPHIC LOCATION

	Total n	% Paying
Northeast Region		
New England Division	19	89.5
Middle Atlantic Division	49	55.1
Subtotal	68	64.7
Midwest Region		
East North Central Division	37	35.1
West North Central Division	18	33.3
Subtotal	55	34.5
South Region		
South Atlantic Division	48	56.3
East South Central Division	14	57.1
West South Central Division	17	0.0
Subtotal	79	44.3
West Region		
Mountain Division	14	57.1
Pacific Division	20	40.0
Subtotal	34	47.1
Total	236	48.3

Note: "Total n" represents the number of programs in each Census Region and Division that reported their clinical site payment arrangement. "% Paying" represents the proportion of programs in that Census Region or Division that reported paying for some or all clinical rotations.

TABLE 23. RECIPIENTS OF CLINICAL ROTATION PAYMENTS

	n	%
Individual preceptor(s)	101	88.6
Clinic(s) or practice(s)	82	71.9
Hospital	58	50.9
Health system	52	45.6
Hospital department (e.g., surgery, pediatrics, etc.)	33	28.9
Hospital Department of Medical Education	19	16.7
Veterans Administration facility/system	13	11.4

Note: Only programs that reported paying for some or all clinical sites and/or preceptors were asked to report the recipients of their payments. Percentages may sum to more than 100% because programs could indicate multiple recipients.

TABLE 24. AVERAGE COST PER STUDENT PER WEEK FOR CLINICAL SITES PAID BY PROGRAMS (\$)

	<i>n</i>	<i>M</i>	<i>M (T)</i>	<i>SD</i>	P10	P25	P50 (Mdn)	P75	P90
Type of institution									
Public	17	326	302	284	100	175	250	390	724
Private	96	232	175	276	85	100	150	206	500
Academic Health Center status									
AHC	13	366	338	295	105	150	250	500	812
Non-AHC	101	229	171	272	88	100	150	200	500
Overall	114	245	187	277	90	100	150	250	500

FIGURE 11. STUDENT PLACEMENTS AT REMOTE CLINICAL SITES

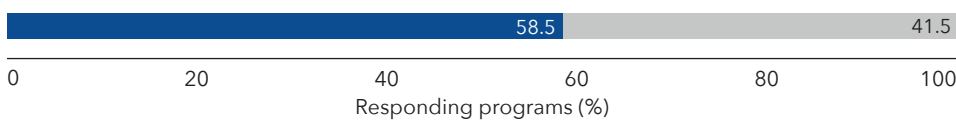
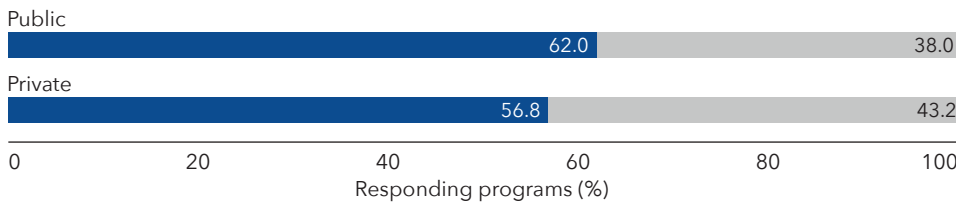


FIGURE 12. STUDENT PLACEMENTS AT REMOTE CLINICAL SITES AMONG PUBLIC AND PRIVATE PROGRAMS



■ Students placed at remote clinical sites
 ■ No students placed at remote clinical sites

FIGURE 13. STUDENT PLACEMENTS AT REMOTE CLINICAL SITES BY AHC STATUS

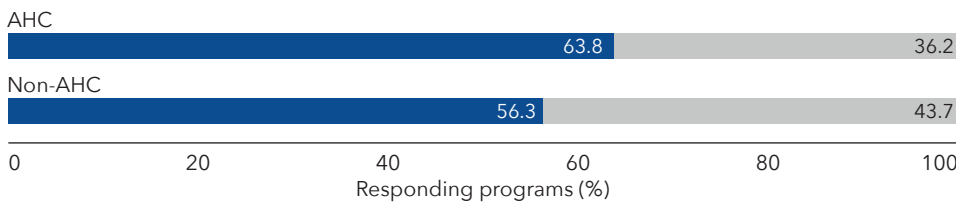


TABLE 25. STUDENTS' OUT-OF-POCKET EXPENSES FOR REMOTE CLINICAL SITES (\$)

	<i>n</i>	<i>M</i>	<i>M (T)</i>	<i>SD</i>	P10	P25	P50 (Mdn)	P75	P90
Type of institution									
Public	36	3,366	2,792	3,838	234	750	1,775	5,000	10,000
Private	73	3,969	2,700	5,803	250	500	1,400	3,750	13,600
Academic Health Center status									
AHC	31	1,701	1,312	1,965	157	350	1,000	2,000	5,000
Non-AHC	80	4,521	3,364	5,808	400	700	2,000	5,250	14,100
Overall	111	3,733	2,588	5,186	250	500	1,500	4,341	12,000

Programs were asked to report the average out-of-pocket housing expenses incurred by only those students placed at remote clinical sites. 27 additional programs reported that they had students placed at remote clinical sites but reported \$0 or \$1 of out-of-pocket student expenses; these programs were excluded from this table.

Tuition, Student Fees, and Incidental Costs

62 public (87.3%) and 2 private (1.2%) programs reported separate tuition rates for resident and non-resident students. Resident and non-resident tuition is reported for public programs only, and standard tuition rates are reported for private programs only.

TABLE 26. TUITION (\$)

	<i>n</i>	<i>M</i>	<i>M</i> (T)	<i>SD</i>	<i>P10</i>	<i>P25</i>	<i>P50</i> (<i>Mdn</i>)	<i>P75</i>	<i>P90</i>
Public									
Resident/In-state tuition	62	50,289	48,963	17,313	31,240	36,094	48,413	59,000	75,234
Non-resident/Out-of-state tuition	62	88,677	86,230	25,846	61,419	72,363	84,372	99,819	118,800
Private									
Standard tuition	160	91,630	89,995	16,266	75,999	81,295	88,987	98,654	110,000

TABLE 27. TRENDS IN AVERAGE PA SCHOOL TUITION, 2013-2018

	2013-2014		2014-2015			2015-2016			2016-2017			2017-2018		
	<i>n</i>	<i>M</i> (\$)	<i>n</i>	<i>M</i> (\$)	% increase	<i>n</i>	<i>M</i> (\$)	% increase	<i>n</i>	<i>M</i> (\$)	% increase	<i>n</i>	<i>M</i> (\$)	% increase
Public														
Resident/In-state tuition	58	38,794	56	40,918	5.5	60	43,550	6.4	62	47,886	10.0	62	50,289	5.0
Non-resident/Out-of-state tuition	58	68,311	56	74,607	9.2	60	78,214	4.8	62	85,401	9.2	62	88,677	3.8
Private														
Standard tuition	107	74,475	108	81,555	9.5	137	84,349	3.4	144	87,160	3.3	160	91,630	5.1

Note: "% increase" represents the percentage of increase in tuition from the previous academic year.

FIGURE 14. TRENDS IN AVERAGE PA SCHOOL TUITION, 2013-2018

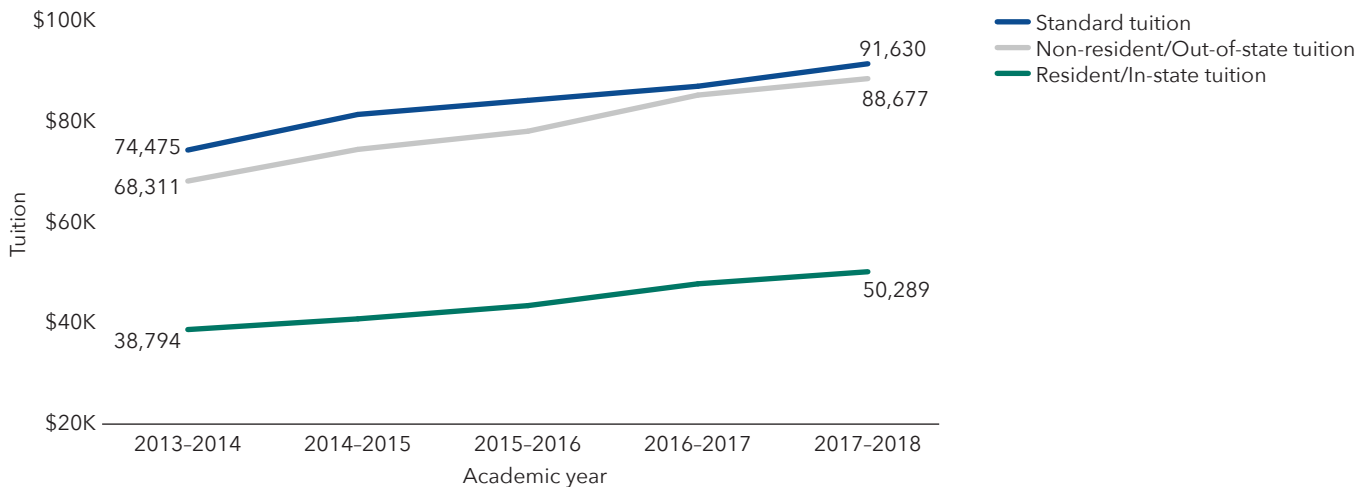


TABLE 28. ITEMIZED STUDENT FEES COLLECTED BY THE INSTITUTION/PROGRAM (\$)

	% Reporting	n	M	M (T)	SD	P10	P25	P50 (Mdn)	P75	P90
ACLS/BLS/PALS/POCUS/Simulation fees, etc.	39	91	532	294	1,441	105	178	250	420	650
Clinical fee(s)	17	40	1,453	985	2,036	80	150	617	1,313	4,617
Clinical site costs/Transportation	24	56	3,594	1,314	9,701	70	135	465	2,500	5,254
Computer/IT/Software	45	104	1,218	1,091	1,023	156	498	1,001	1,556	2,428
Drug screening	40	94	127	104	114	34	50	100	150	243
Equipment (e.g., stethoscope, lab coat)	62	145	1,015	934	729	370	700	929	1,190	1,587
Fees for tests/assessments	25	58	1,629	510	7,446	77	155	380	652	2,280
Laboratory fee(s)	29	68	875	659	1,094	97	244	478	1,000	2,351
Parking	22	51	268	209	287	50	90	165	292	652
Student services fee(s)	52	122	2,523	1,696	3,636	203	405	1,116	3,002	6,648
Textbooks	46	108	1,796	1,611	1,357	500	800	1,470	2,425	3,515
Other	58	135	1,723	484	8,498	50	100	160	500	3,646
Total fees	-	233	6,419	4,598	10,261	680	1,700	3,775	7,443	12,556

233 programs (98.7%) provided detailed, itemized student fees collected by their institution or program. "Total fees" represents the sum of all fees reported by these programs.

TABLE 29. ITEMIZED STUDENT FEES COLLECTED BY THE INSTITUTION/PROGRAM AMONG PUBLIC AND PRIVATE PROGRAMS (\$)

	% Reporting	n	M	M (T)	SD	P10	P25	P50 (Mdn)	P75	P90
Public										
ACLS/BLS/PALS/POCUS/Simulation fees, etc.	41	29	535	331	1,085	121	160	230	500	893
Clinical fee(s)	14	10	1,368	860	2,422	77	93	150	714	5,175
Clinical site costs/Transportation	21	15	1,382	1,096	2,091	29	100	186	2,395	4,019
Computer/IT/Software	47	33	1,258	1,057	1,276	125	500	1,000	1,500	2,393
Drug screening	33	23	105	86	104	32	45	60	130	197
Equipment (e.g., stethoscope, lab coat)	56	39	1,128	971	1,066	476	675	981	1,200	1,680
Fees for tests/assessments	26	18	3,886	806	13,296	40	93	475	1,005	3,336
Laboratory fee(s)	33	23	616	504	635	92	203	400	880	1,400
Parking	29	20	264	213	253	72	96	184	288	674
Student services fee(s)	51	36	3,665	2,936	4,309	397	941	1,971	4,295	9,813
Textbooks	41	29	1,944	1,746	1,453	522	1,000	1,500	2,500	3,510
Other	47	33	1,098	570	2,143	42	70	150	500	3,408
Total	-	70	6,454	4,683	9,306	745	1,548	3,576	8,462	13,606
Private										
ACLS/BLS/PALS/POCUS/Simulation fees, etc.	38	61	533	290	1,601	100	180	255	415	600
Clinical fee(s)	19	30	1,482	1,045	1,936	80	287	900	1,438	3,908
Clinical site costs/Transportation	25	40	4,451	1,438	11,335	79	146	925	2,500	8,888
Computer/IT/Software	44	70	1,180	1,083	881	210	493	1,003	1,538	2,378
Drug screening	44	70	135	112	118	35	50	100	150	305

(continued)

TABLE 29. ITEMIZED STUDENT FEES COLLECTED BY THE INSTITUTION/PROGRAM AMONG PUBLIC AND PRIVATE PROGRAMS (\$), continued

	% Reporting	n	M	M (T)	SD	P10	P25	P50 (Mdn)	P75	P90
Equipment (e.g., stethoscope, lab coat)	66	105	973	924	561	320	720	928	1,100	1,500
Fees for tests/assessments	24	39	612	470	764	80	200	340	565	1,777
Laboratory fee(s)	28	44	1,019	761	1,264	100	273	483	1,109	2,544
Parking	19	30	276	210	315	50	90	155	310	604
Student services fee(s)	53	85	2,056	1,357	3,241	200	375	900	1,925	5,733
Textbooks	49	78	1,738	1,571	1,334	473	740	1,313	2,325	3,636
Other	63	100	1,960	462	9,799	55	100	168	500	3,821
Total	-	160	6,453	4,585	10,761	664	1,912	3,870	7,314	12,102

TABLE 30. ITEMIZED STUDENT FEES COLLECTED BY THE INSTITUTION/PROGRAM BY AHC STATUS (\$)

	% Reporting	n	M	M (T)	SD	P10	P25	P50 (Mdn)	P75	P90
Academic Health Center										
ACLS/BLS/PALS/POCUS/Simulation fees, etc.	41	28	973	355	2,525	124	158	250	510	951
Clinical fee(s)	16	11	203	159	234	48	80	100	173	534
Clinical site costs/Transportation	31	21	4,372	1,363	12,866	70	130	750	2,475	4,032
Computer/IT/Software	53	36	1,460	1,296	1,315	137	575	1,110	2,170	2,885
Drug screening	29	20	118	96	102	50	54	95	150	168
Equipment (e.g., stethoscope, lab coat)	51	35	998	971	494	500	700	981	1,195	1,598
Fees for tests/assessments	28	19	3,646	720	12,944	72	251	475	833	2,446
Laboratory fee(s)	31	21	586	453	673	75	100	350	875	1,522
Parking	16	11	349	322	333	60	120	206	535	875
Student services fee(s)	69	47	2,981	1,992	4,513	256	650	1,184	3,116	7,784
Textbooks	40	27	2,268	2,092	1,539	800	1,000	2,000	3,000	3,930
Other	54	37	946	574	1,675	53	80	200	457	3,279
Total	-	68	7,837	5,373	12,289	673	1,756	4,252	8,469	16,215
Non-Academic Health Center										
ACLS/BLS/PALS/POCUS/Simulation fees, etc.	38	63	335	284	331	101	190	250	400	586
Clinical fee(s)	18	29	1,928	1,645	2,215	177	450	1,200	2,700	5,350
Clinical site costs/Transportation	21	35	3,127	1,285	7,366	71	168	420	2,500	5,485
Computer/IT/Software	41	68	1,091	1,005	811	165	480	1,000	1,500	2,221
Drug screening	45	74	129	107	118	32	45	100	152	283
Equipment (e.g., stethoscope, lab coat)	67	110	1,020	922	791	295	705	927	1,138	1,500
Fees for tests/assessments	24	39	646	468	882	78	138	330	630	1,781
Laboratory fee(s)	28	47	1,004	762	1,221	124	290	503	1,053	2,507
Parking	24	40	245	189	274	50	90	150	281	518
Student services fee(s)	45	75	2,236	1,603	2,957	210	363	905	2,790	5,972
Textbooks	49	81	1,638	1,457	1,262	410	720	1,275	2,100	3,225
Other	59	98	2,016	492	9,920	49	100	150	500	3,938
Total	-	165	5,834	4,402	9,278	720	1,700	3,748	7,225	11,992

SECTION 3. PROGRAM PERSONNEL

TABLE 31. FULL-TIME FACULTY HEADCOUNTS

	n (P)	n (F)	Range	M	SD	P10	P25	P50 (Mdn)	P75	P90
Assigned only or primarily to didactic phase	205	1,011	1-50	4.9	4.3	2.0	3.0	4.0	6.0	8.0
Assigned only or primarily to clinical phase	179	394	1-50	2.2	4.1	1.0	1.0	1.0	2.0	3.0
Assigned to both the didactic and clinical phases	160	569	1-21	3.6	3.5	1.0	1.0	2.0	5.0	8.1
All full-time faculty	236	1,974	1-100	8.4	7.4	4.0	5.0	7.0	9.0	12.0

Note: "n (P)" represents the number of reporting programs. "n (F)" represents the total faculty headcount across all reporting programs. Faculty with .5 or more FTE were considered to be full-time. Zeroes were excluded.

Some programs appear to have reported FTEs instead of headcounts. Because full-time faculty were defined as those with .5 or greater FTE, any decimal under .5 was rounded down and any decimal .5 or above was rounded up to approximate a headcount of full-time faculty.

FIGURE 15. FULL-TIME FACULTY ASSIGNMENTS

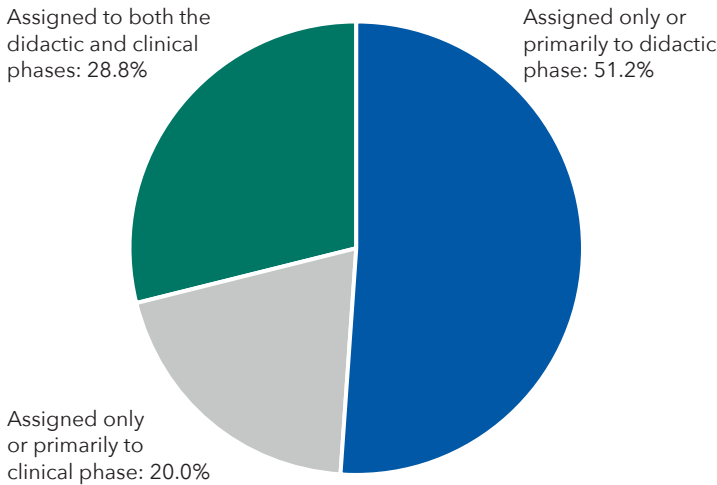


TABLE 32. PART-TIME FACULTY AND GUEST LECTURERS

	n (P)	n (F)	Range	M	SD	P10	P25	P50 (Mdn)	P75	P90
Part-time faculty										
Headcount	159	642	1-34	4.0	4.3	1.0	1.0	3.0	5.0	8.0
FTE	158	162.2	0.1-7.5	1.0	1.0	0.3	0.4	0.7	1.3	2.0
Guest lecturers										
Headcount	227	10,999	2-250	48.5	53.2	5.0	15.0	30.0	58.5	118.2

Note: "n (P)" represents the number of reporting programs. "n (F)" represents the total headcount or FTE across all reporting programs. Faculty with less than .5 FTE were considered to be part-time.

TABLE 33. PERCENTAGE OF DIDACTIC CURRICULUM TAUGHT BY CORE FACULTY (%)

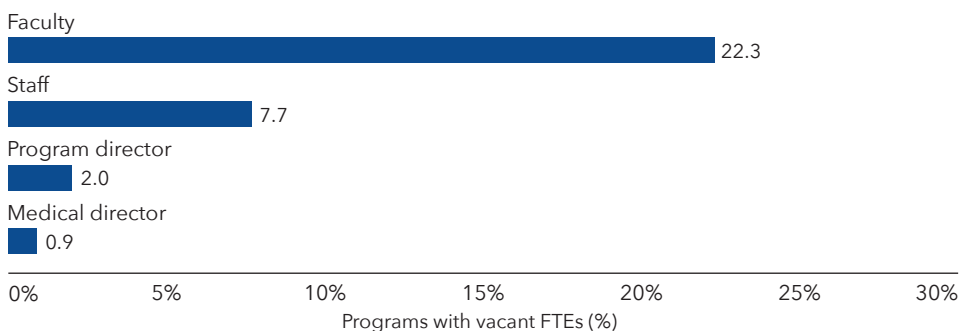
	<i>n</i>	<i>M</i>	<i>SD</i>	P10	P25	P50 (Mdn)	P75	P90
Taught directly by core/principal faculty	227	68.6	20.1	40.0	60.0	70.0	82.5	90.0
Taught by others but actively coordinated by core/principal faculty (e.g., arranging schedules, selecting topics, course mastering)	213	25.0	17.4	6.2	10.0	20.0	35.0	50.0
Taught directly by non-program personnel (e.g., faculty from biology department) with minimal input from core/principal faculty	121	15.0	12.4	5.0	6.0	10.0	20.0	30.0

TABLE 34. CAPACITY, FILLED, AND VACANT FTE

	<i>n (P)</i>	<i>n (FTE)</i>	Range	<i>M</i>	<i>SD</i>	P10	P25	P50 (Mdn)	P75	P90
Capacity										
Faculty	235	1,763.7	1.0-32.0	7.5	3.8	4.0	5.0	7.0	9.0	12.0
Staff	232	791.2	1.0-17.0	3.4	2.2	2.0	2.0	3.0	4.0	6.0
Program director	232	230.1	0.4-1.0	1.0	0.1	1.0	1.0	1.0	1.0	1.0
Medical director	227	168.9	0.1-25.0	0.7	1.7	0.2	0.2	0.6	1.0	1.0
Filled										
Faculty	234	1,619.9	1.0-32.0	6.9	3.6	3.4	4.4	6.0	8.4	11.0
Staff	227	745.5	1.0-17.0	3.3	2.2	1.2	2.0	3.0	4.0	5.6
Program director	224	231.0	0.4-10.0	1.0	0.6	1.0	1.0	1.0	1.0	1.0
Medical director	225	143.5	0.1-2.0	0.6	0.4	0.2	0.2	0.6	1.0	1.0
Vacant										
Faculty	101	128.4	0.2-4.3	1.3	0.7	0.5	1.0	1.0	1.5	2.0
Staff	35	42.2	0.2-3.0	1.2	0.6	0.7	1.0	1.0	1.0	2.0
Program director	9	8.5	0.5-1.0	0.9	0.2	0.9	1.0	1.0	1.0	1.0
Medical director	4	3.5	0.5-1.0	0.9	0.3	0.7	0.9	1.0	1.0	1.0

Note: “*n (P)*” represents the number of reporting programs. “*n (FTE)*” represents the total FTE across all reporting programs. Zeroes were excluded.

FIGURE 16. PROGRAMS WITH VACANT FTEs



Recruitment and Retention

TABLE 35. OPEN POSITIONS

	<i>n</i> (P)	<i>n</i> (O)	Max	<i>M</i>	<i>SD</i>	P10	P25	P50 (Mdn)	P75	P90
Faculty										
New position	76	117	7	1.5	1.1	1.0	1.0	1.0	2.0	3.0
Replacing existing position	129	231	7	1.8	1.1	1.0	1.0	2.0	2.0	3.0
All open positions	169	350	8	2.1	1.2	1.0	1.0	2.0	2.0	3.2
Staff										
New position	45	50	2	1.1	0.3	1.0	1.0	1.0	1.0	1.6
Replacing existing position	75	94	4	1.3	0.7	1.0	1.0	1.0	1.0	2.0
All open positions	108	143	6	1.3	0.7	1.0	1.0	1.0	1.0	2.0

Note: “*n* (P)” represents the number of reporting programs. “*n* (O)” represents the total number of open positions available across all reporting programs. Zeroes were excluded.

175 (74.2%) programs reported seeking to hire new faculty or staff in the 2017–2018 academic year. Some programs appear to have reported FTE instead of headcounts. All decimals were rounded up to the nearest integer to approximate headcounts.

Programs were asked to report the number of open faculty and staff positions first and then report the number of open faculty and staff positions that were either new or replacing existing positions separately. For some programs, the reported total number of open positions was not equal to the sum of new and replacement positions.

TABLE 36. BARRIERS TO HIRING NEW FACULTY (%)

	<i>n</i>	Not at All a Barrier	Slight Barrier	Moderate Barrier	Serious Barrier
Lack of qualified candidates	175	17.1	21.1	28.0	33.7
Salary	176	8.5	30.1	33.5	27.8
Candidates’ lack of teaching experience	176	13.6	34.1	40.9	11.4
Location	176	40.3	30.7	21.0	8.0
Area cost of living	176	54.0	23.9	12.5	9.7
Degree requirements	176	49.4	30.1	18.2	2.3
Lifestyle	176	54.5	31.8	11.4	2.3

TABLE 37. REASONS FOR FACULTY DEPARTURES

	<i>n</i> (P)	<i>n</i> (F)	% (F)
Job change: Return to clinical practice	51	63	25.7
Job change: Accepted position at another PA program	38	45	18.4
Personal reasons	27	41	16.7
Retirement	24	30	12.2
Job change: Other	18	23	9.4
Dismissal due to performance issues	11	14	5.7
Medical/Disability/Death	3	3	1.2
Dismissal due to professionalism issues	2	2	0.8
Other	19	24	9.8
All faculty departures	132	245	100.0

132 (55.9%) programs reported that at least one faculty member had left in the 2017–2018 academic year.

Note: “*n* (P)” represents the number of reporting programs. “*n* (F)” represents the total number of faculty departures across all reporting programs. “% (F)” represents the percentage of all faculty departures that occurred for each reason.

Tenure

This section summarizes new questions that gather information on the current status of tenure at PA programs and to identify barriers to earning tenure that faculty and directors may face. These questions will appear on forthcoming Program Surveys every three years.

FIGURE 17. PROGRAMS WITH TENURED OR TENURE-TRACK FACULTY

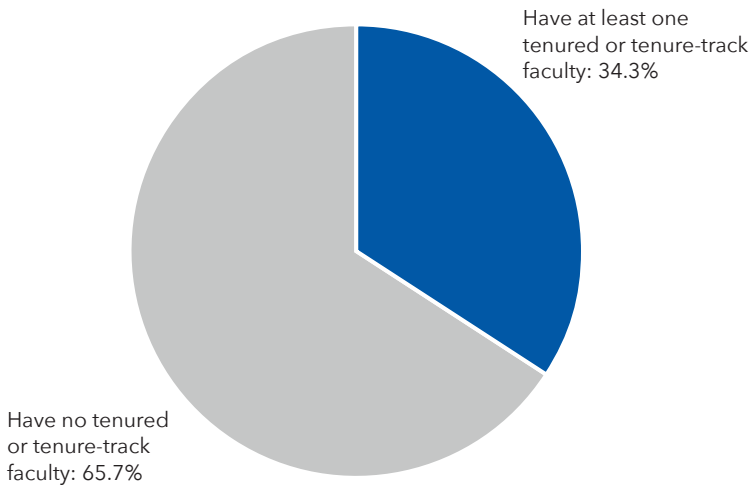


FIGURE 18. PROGRAMS OFFERING TENURE-TRACK POSITIONS TO NEWLY HIRED FACULTY

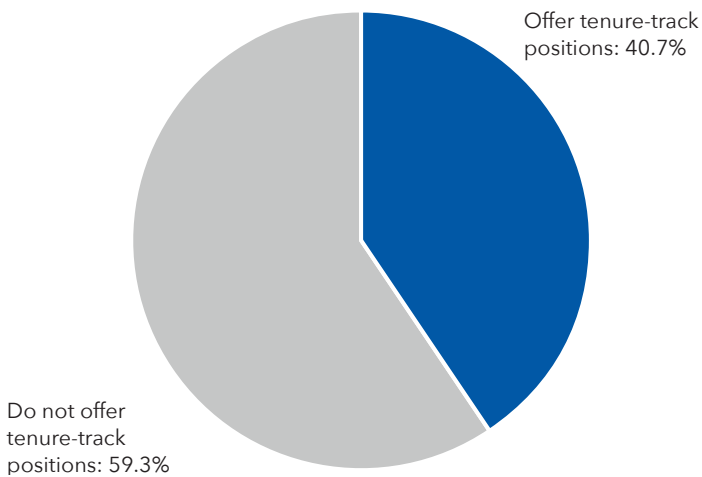


TABLE 38. INSTITUTIONAL FACTORS DETERMINING NUMBER OF TENURED FACULTY LINES

	<i>n</i>	%
My department/program allows each individual faculty to choose whether he or she wants a tenure or non-tenure position	40	41.7
Each time a position is created or a faculty line is vacated, the department/program/institution determines whether it should be a tenure-track position	36	37.5
My department/program is allotted a set number of tenure-track positions	12	12.5
My department/program will only allow doctoral-trained individuals in tenure-track positions, while masters-trained individuals can hold non-tenure track positions	11	11.5
I don't know	6	6.3
My department/program awards tenure to newly hired faculty who had tenure at their previous institution	4	4.2
Other	7	7.3
Total	96	-

Note: Only programs that reported offering tenure-track positions to newly hired faculty were asked this question. Programs were asked to select all possible factors. Percentages will sum to more than 100% because programs could select multiple factors.

TABLE 39. REASONS WHY TENURE-TRACK POSITIONS ARE NOT OFFERED TO NEWLY HIRED FACULTY

	<i>n</i>	%
My institution does not offer tenure-track positions to any faculty	49	35.3
My department/program's overall faculty workload demands can't accommodate the reduced teaching and increased research workload allocation of a tenure-track faculty member	45	32.4
My institution will only allow doctoral-trained individuals in tenure-track positions, while master's-trained individuals can hold non-tenure track positions	25	18.0
My institution will only offer a tenure-track position to a faculty with a doctoral degree who can generate a substantial part of his/her salary externally	12	8.6
My institution has tenured faculty but has been replacing all tenure lines, as they vacate, with non-tenure lines	11	7.9
My institution only offers tenure track positions to individuals with a PhD in their field	4	2.9
Other	16	11.5
Total	139	-

Note: Only programs that reported not offering tenure-track positions to newly hired faculty were asked this question. Programs were asked to select all possible reasons. Percentages will sum to more than 100% because programs could select multiple reasons.

Student-to-Faculty Ratio

Each program's student-to-faculty ratio (SFR) was calculated in two ways. For **Table 40**, SFR was calculated by dividing each program's total number of enrolled students by their full-time faculty headcount. In **Table 41**, SFR was calculated by dividing each program's total number of enrolled students by the sum of their filled faculty, program director, and medical director FTEs.

TABLE 40. STUDENT-TO-FACULTY RATIO: FULL-TIME FACULTY HEADCOUNT

	<i>n</i>	Range	<i>M</i>	<i>SD</i>	P10	P25	P50 (<i>Mdn</i>)	P75	P90
Overall	226	3.8-34.0	14.0	5.5	8.0	10.2	13.1	17.0	22.0
Type of institution									
Private	154	3.8-29.2	13.9	4.9	8.2	10.6	13.4	17.0	20.0
Public	69	4.4-34.0	14.1	6.6	7.7	9.4	12.6	17.3	24.8
Academic Health Center status									
AHC	67	6.0-34.0	15.0	5.9	8.4	10.9	13.8	18.4	22.6
Non-AHC	159	3.8-29.8	13.6	5.2	7.9	10.1	12.8	16.2	20.7
Administrative housing									
College of Arts and Sciences	12	6.8-26.5	13.8	5.6	7.6	10.4	12.7	16.8	18.5
College of Graduate and Professional Studies	12	6.0-19.7	13.9	4.1	8.9	12.1	13.7	17.1	18.5
College/School of Medicine	35	4.4-25.3	13.0	5.7	7.9	9.6	11.8	13.9	23.3
Department of PA Studies/PA Program	38	4.2-26.3	13.1	4.4	8.2	10.0	12.6	14.9	18.2
Other health discipline (e.g., Nursing, Pharmacy, Podiatry, etc.)	8	4.0-24.8	16.9	6.1	11.4	15.3	17.5	20.3	22.1
School of Allied Health/Health Professions/Health Sciences	115	4.0-34.0	14.7	5.7	8.2	11.0	14.1	17.6	22.5
Science Department	6	3.8-17.6	9.5	5.2	4.3	5.4	9.0	12.2	15.1
Satellite campuses									
Program does not have satellite campus	208	3.8-34.0	13.9	5.5	8.0	10.1	13.0	16.5	22.0
Program has satellite campus	18	7.9-23.3	15.1	4.8	9.0	11.6	15.7	18.3	21.5
Enrolled classes									
First-year students only	20	3.8-19.7	8.4	4.7	4.0	4.7	6.5	11.2	13.5
First- and second-year students only	92	4.8-29.8	12.5	4.5	8.0	9.9	11.8	14.4	18.1
First-, second-, and third-year students	110	8.2-34.0	16.3	5.2	9.8	13.0	15.1	19.6	23.3
Census Regions and Divisions									
Northeast Region									
New England Division	19	6.0-26.3	15.4	6.2	8.5	10.4	14.5	20.3	24.2
Middle Atlantic Division	47	4.8-29.2	14.2	4.5	9.2	11.6	13.6	16.2	19.1
Subtotal	66	4.8-29.2	14.6	5.1	8.6	11.4	13.8	17.5	21.7
Midwest Region									
East North Central Division	35	6.2-25.4	14.2	4.6	9.1	10.9	14.2	16.6	19.5
West North Central Division	18	5.6-21.0	13.1	4.6	8.1	9.4	12.3	17.0	19.3
Subtotal	53	5.6-25.4	13.8	4.6	8.3	10.3	13.6	17.0	19.8

(continued)

TABLE 40. STUDENT-TO-FACULTY RATIO: FULL-TIME FACULTY HEADCOUNT, continued

	<i>n</i>	Range	<i>M</i>	<i>SD</i>	P10	P25	P50 (<i>Mdn</i>)	P75	P90
South Region									
South Atlantic Division	47	4.2-29.8	13.1	5.9	6.2	8.9	12.4	16.4	21.0
East South Central Division	13	3.8-30.8	14.2	7.8	4.7	10.0	11.8	17.0	23.3
West South Central Division	17	7.2-34.0	16.3	6.8	8.8	12.7	14.4	20.0	23.3
Subtotal	77	3.8-34.0	14.0	6.5	6.6	9.5	13.2	17.9	22.8
West Region									
Mountain Division	12	8.5-26.5	13.8	5.9	8.8	10.4	12.1	13.4	23.8
Pacific Division	18	4.0-22.5	12.6	4.5	7.3	9.8	12.4	15.1	16.7
Subtotal	30	4.0-26.5	13.0	5.0	8.4	9.8	12.2	15.1	19.7

Note: Programs with "other" administrative housing were excluded due to low frequencies.

TABLE 41. STUDENT-TO-FACULTY RATIO: FTE

	<i>n</i>	Range	<i>M</i>	<i>SD</i>	P10	P25	P50 (<i>Mdn</i>)	P75	P90
Overall	223	3.0-35.7	12.8	5.1	6.6	9.2	12.3	15.6	18.7
Type of institution									
Private	153	3.0-35.7	12.8	5.0	7.5	9.5	12.5	15.6	18.6
Public	67	3.9-24.8	12.5	5.2	6.5	8.8	11.6	15.8	18.6
AHC									
AHC	66	3.2-24.8	13.2	5.2	7.1	8.9	13.0	16.8	19.7
Non-AHC	157	3.0-35.7	12.6	5.0	6.6	9.5	12.2	15.0	18.6
Administrative housing									
College of Arts and Sciences	12	5.4-20.4	13.0	5.3	6.8	8.3	13.7	17.5	19.1
College of Graduate and Professional Studies	12	4.0-21.1	12.5	4.5	6.9	11.4	12.2	14.6	16.8
College/School of Medicine	35	3.2-25.3	11.7	5.5	5.3	8.3	9.7	16.4	18.3
Department of PA Studies/PA Program	38	4.8-22.2	12.1	3.8	8.3	9.6	11.5	14.3	17.8
Other health discipline (e.g., Nursing, Pharmacy, Podiatry, etc.)	7	3.0-24.8	14.2	6.4	8.5	13.1	15.0	15.2	19.1
School of Allied Health/Health Professions/Health Sciences	113	3.6-35.7	13.4	5.2	7.6	9.9	12.9	15.8	19.4
Science Department	6	4.1-17.3	9.5	4.9	4.5	5.9	9.4	11.6	14.8
Satellite campuses									
Program does not have satellite campus	206	3.0-35.7	12.7	5.1	6.5	9.2	12.3	15.6	18.7
Program has satellite campus	17	7.5-19.5	13.4	3.9	9.1	10.0	13.5	16.4	18.7
Enrolled classes									
First-year students only	20	3.0-21.1	7.3	5.1	3.6	4.0	4.7	10.0	14.9
First- and second-year students only	90	5.4-24.8	11.0	3.6	6.9	8.7	10.3	12.5	16.0
First-, second-, and third-year students	108	7.5-35.7	15.3	4.7	9.8	12.3	15.0	17.8	20.3
Census Regions and Divisions									
Northeast Region									
New England Division	19	3.2-35.7	13.9	7.7	6.0	9.2	12.2	17.6	21.8
Middle Atlantic Division	47	8.0-20.2	12.8	3.2	9.0	9.9	12.5	14.7	17.1
Subtotal	66	3.2-35.7	13.1	4.9	8.4	9.7	12.4	15.5	18.7

(continued)

TABLE 41. STUDENT-TO-FACULTY RATIO: FTE, continued

	<i>n</i>	Range	<i>M</i>	<i>SD</i>	P10	P25	P50 (<i>Mdn</i>)	P75	P90
Midwest Region									
East North Central Division	35	5.4-30.5	13.6	5.5	7.5	9.6	12.7	16.6	18.9
West North Central Division	17	4.5-18.9	12.8	4.5	7.3	8.7	12.8	16.9	17.8
Subtotal	52	4.5-30.5	13.3	5.2	7.5	9.1	12.8	16.8	18.5
South Region									
South Atlantic Division	46	3.9-24.8	11.9	4.9	5.9	8.5	11.7	15.3	18.7
East South Central Division	12	3.6-25.3	12.7	7.0	4.4	8.8	11.3	15.5	23.8
West South Central Division	17	4.8-21.5	14.5	4.4	9.3	12.4	15.2	18.1	19.4
Subtotal	75	3.6-25.3	12.6	5.2	5.9	8.7	12.4	15.7	19.2
West Region									
Mountain Division	12	8.3-25.6	13.0	5.1	9.3	9.9	11.1	13.1	19.9
Pacific Division	18	3.0-18.7	10.6	4.4	4.9	7.6	10.9	14.0	15.5
Subtotal	30	3.0-25.6	11.5	4.8	6.8	8.5	11.1	14.0	16.2

Note: Programs with "other" administrative housing were excluded due to low frequencies.

SECTION 4. STUDENTS

Capacity & Enrollment

TABLE 42. STATUS OF INAUGURAL CLASSES IN PROVISIONALLY ACCREDITED PROGRAMS

	n	%
Not yet enrolled	2	3.1
Enrolled in the first year	10	15.6
Enrolled in the second year	14	21.9
Enrolled in the third year	5	7.8
Graduated	33	51.6
Total	64	100.0

64 programs (27.7%) were provisionally accredited.

FIGURE 19. ENROLLED COHORTS

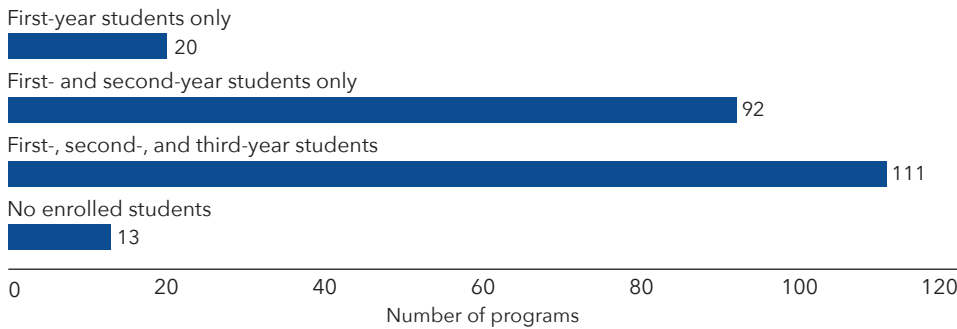


TABLE 43. STUDENT CAPACITY, CURRENT ENROLLMENT, AND UNFILLED SEATS

	n (P)	n (S)	Range	M	SD	P10	P25	P50 (Mdn)	P75	P90
Capacity										
First-year	226	10,814	5-240	47.8	24.7	26.0	30.0	42.0	56.8	75.0
Second-year	221	10,608	17-240	48.0	24.6	26.0	30.0	42.0	56.0	76.0
Third-year	129	5,807	15-100	45.0	17.2	29.2	32.0	42.0	50.0	65.0
Total	229	27,229	20-560	118.9	62.6	54.0	80.0	108.0	150.0	180.8
Current enrollment										
First-year	223	10,261	17-205	46.0	22.7	25.0	30.0	40.0	57.0	74.0
Second-year	213	9,717	15-156	45.6	21.4	24.2	30.0	40.0	54.0	73.8
Third-year	118	4,852	1-95	41.1	16.6	25.0	30.0	39.0	49.0	60.0
Total	227	24,830	19-417	109.4	56.8	47.2	71.0	100.0	139.0	175.0

“Capacity” refers to programs’ capacity as approved by ARC-PA. “Current enrollment” refers to enrollment at the time that programs responded to the survey, which does not necessarily reflect day-one student enrollment. For example, if a program has a third-year cohort for part of the academic year, but survey administration does not coincide with that period, that program may report zero third-year enrollment.

Note: Zeroes were excluded. “n (P)” refers to the number of reporting programs. “n (S)” refers to the number of students reported by the programs.

TABLE 44. DAY-ONE ENROLLMENT OF MOST RECENTLY ADMITTED CLASS

	<i>n</i> (P)	<i>n</i> (S)	Range	<i>M</i>	<i>SD</i>	P10	P25	P50 (Mdn)	P75	P90
Overall	229	10,611	1-205	46.3	23.2	25.0	30.0	40.0	56.0	75.0
Type of institution										
Private	157	7,315	1-125	46.6	21.1	26.0	30.0	41.0	57.0	75.0
Public	69	2,939	1-130	42.6	19.3	23.2	30.0	40.0	51.0	63.2
Academic Health Center status										
AHC	67	3,170	17-130	47.3	20.6	26.6	30.0	44.0	58.0	76.4
Non-AHC	162	7,441	1-205	45.9	24.2	25.0	30.0	40.0	55.0	74.9

Based on programs' reports of their ARC-PA-approved first-year capacity and the day-one enrollment of their most recently admitted class, 52 programs reported a total of 328 unfilled seats (*M* = 6.3, *SD* = 9.1, *Mdn* = 3.0).

FIGURE 20. AVERAGE PA PROGRAM ENROLLMENT AND CAPACITY, 1985-2018

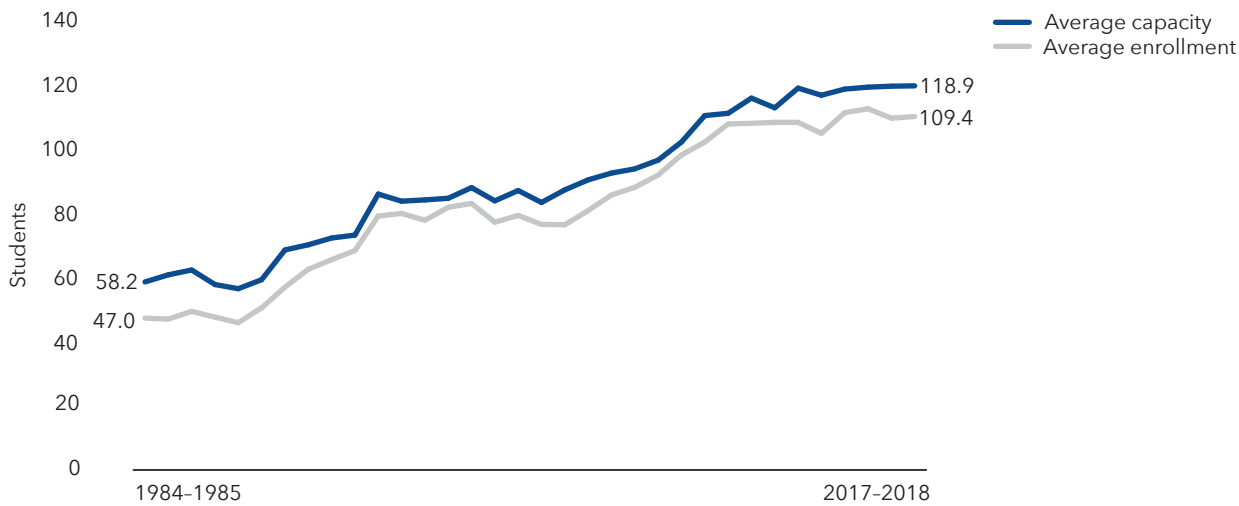
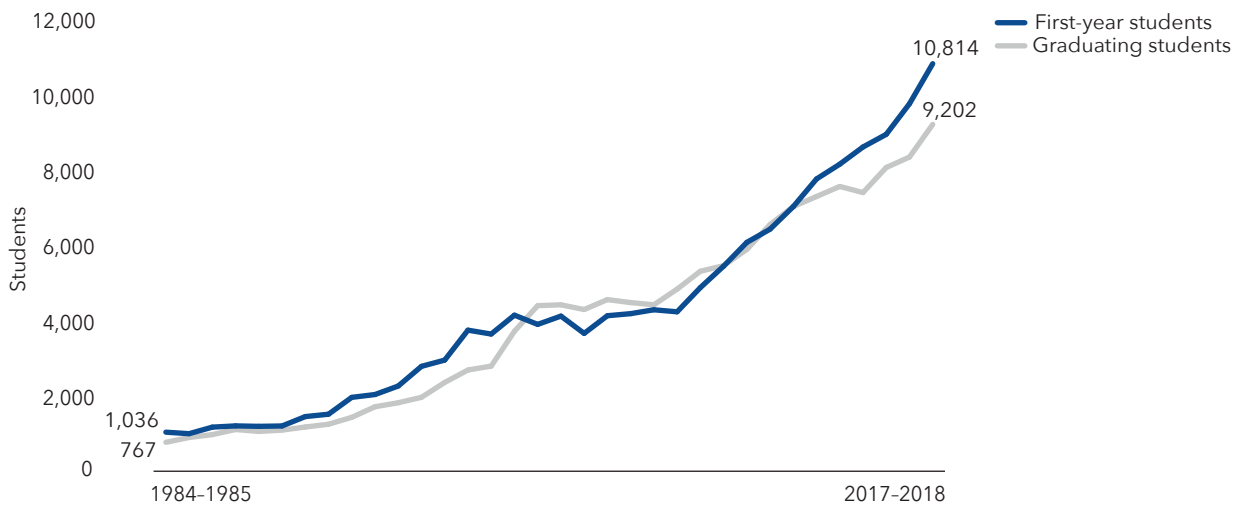
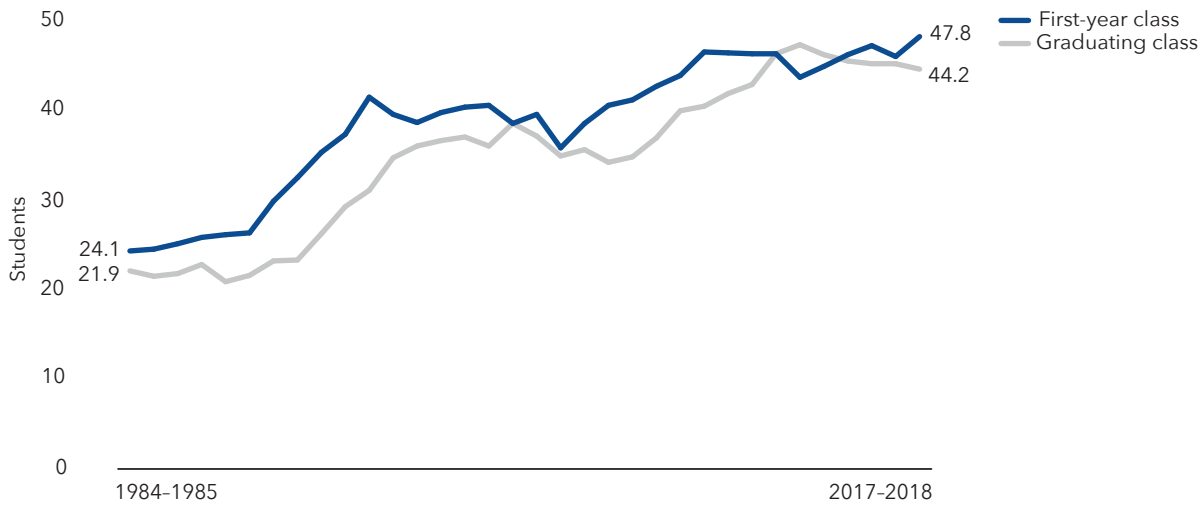


FIGURE 21. TOTAL PA FIRST-YEAR AND GRADUATING STUDENTS, 1985-2018



Note: Prior to 2016's Program Report 31, the number of graduates depicted in this figure was calculated based on the size of the graduating cohort at matriculation. From 2016 onwards, the figure reports only those students who have or will graduate on time.

FIGURE 22. AVERAGE PA FIRST-YEAR AND GRADUATING CLASS SIZES 1985-2018



Note: Prior to 2016's Program Report 31, the number of graduates depicted in this figure was calculated based on the size of the graduating cohort at matriculation. From 2016 onwards, the figure reports only those students who have or will graduate on time.

First-Year Class

This section refers to students who began or were in their first year at the time of the survey administration.

TABLE 45. EXAMS REQUIRED FOR ADMISSION

	<i>n</i>	%
GRE	125	53.2
TOEFL	63	26.8
MCAT or GRE	18	7.7
SAT	8	3.4
ACT	7	3.0
MCAT	1	0.4
Other	6	2.6
None	53	22.6
Total	235	-

Note: Percentages will not sum to 100 because programs could report more than one required exam.

TABLE 46. FIRST-YEAR CLASS: GRE SCORES

	<i>n</i>	<i>M</i>	<i>SD</i>	<i>Mdn</i>
Verbal reasoning	128	153.7	3.7	153.5
Quantitative reasoning	128	153.1	3.9	153.0
Analytical writing	112	4.1	0.2	4.0

Note: Programs that required the GRE were asked to report their first-year students' average GRE scores. Although zeroes are technically valid analytic writing scores, they were excluded from this table.

TABLE 47. FIRST-YEAR CLASS: UNDERGRADUATE GRADE POINT AVERAGES

	<i>n</i>	<i>M</i>	<i>SD</i>	<i>Mdn</i>
Science	213	3.5	0.1	3.5
Non-science	165	3.6	0.1	3.6
CASPA biology, chemistry, physics (BCP)	169	3.5	0.2	3.5
Overall	222	3.6	0.1	3.6

Note: Zeroes were excluded.

TABLE 48. FIRST-YEAR CLASS: HEALTH CARE EXPERIENCE HOURS

	<i>n</i>	Range	<i>M</i>	<i>M (T)</i>	<i>SD</i>	<i>P10</i>	<i>P25</i>	<i>P50 (Mdn)</i>	<i>P75</i>	<i>P90</i>
Patient contact experience	152	5.0-12,881.3	3,020.7	2,769.9	2,042.6	1,004.3	1,798.8	2,664.5	3,767.9	5,358.1
Health care shadowing	93	1.0-1,900.0	143.2	106.6	214.8	30.0	51.0	94.0	150.0	274.6
Community service	75	1.0-4,033.0	487.5	388.1	573.2	62.4	182.5	338.2	568.5	1,000.0
Other health care experience	55	1.0-6,014.0	1,023.9	852.5	1,074.3	87.4	307.5	756.0	1,232.5	2,000.0
Other work experience	37	1.0-4,015.0	2,096.3	2,104.8	1,119.4	380.0	1,405.0	2,155.0	2,780.0	3,467.4

Note: Zeroes were excluded.

157 programs (68.6%) reported that they collected data on their first-year class's average number of hours of health care experience (HCE) or work/volunteer experience.

First-Year Class Demographics

This section details the enrollment of first-year PA students by demographic factors (i.e., gender, ethnicity, and race). Omissions and imprecisions in programs' reporting of student demographic data make it difficult to provide a complete and accurate picture of the PA student body. This is also why cohort sample sizes differ across demographic tables.

PAEA encourages member programs to do everything they can to gather and accurately report detailed student demographic data. Beginning with last year's *Program Report 33*, statistics in this section were calculated using a different method from prior years. Therefore, data in these tables will be very different from previous Program Reports. Please see "Report Enhancements" (p. 2) for more details.

A total of 225 programs (95.3%) reported having a first-year class enrolled in the 2017–2018 academic year and/or reported first-year demographic data; these numbers were not always the same due to skipped questions or misreporting (see [Table 50](#) for program response patterns).

For [Tables 51–Table 53](#):

- **“n (P)”** refers to the number of programs reporting at least one student of that demographic (e.g., in [Table 51](#), 223 programs reported having at least one female first-year student).
- **“% (P)”** refers to the proportion of programs reporting at least one student of that demographic, out of the 225 that either reported having a first-year class enrolled and/or reported first-year demographic data (e.g., in [Table 51](#): First-Year Class: Gender, 99.1% of the 225 programs with a first-year class reported having at least one female first-year student).

- **“n (S)”** refers to the number of students reported by the *n* (P) programs who belonged to each demographic (e.g., in [Table 51](#), 223 programs reported a total of 7,486 female first-year students).
- **“% (S)”** refers to the proportion of all students reported across programs who belonged to each demographic (e.g., in [Table 51](#), of the 10,568 reported first-year students, 70.8% were female).
- **“Mean % (S)”** refers to the average proportion of students belonging to each demographic among the *n* (P) reporting programs (e.g., in [Table 51](#), of the 223 programs that reported at least one female student, an average of 71.9% of their students were female).
- **M, SD, and Mdn** were calculated using data from the *n* (P) reporting programs and were not tabled when there were fewer than 5 reporting programs.

TABLE 49. FIRST-YEAR CLASS: PROGRAMS WITH MISSING DEMOGRAPHIC INFORMATION

	<i>n</i>	%
Missing gender information	12	5.3
Missing ethnicity information	22	9.8
Missing race information	22	9.8

The percent of programs missing demographic information was calculated by dividing the number of programs that did not report demographic information, or reported all “Do not know,” by the 225 programs that reported having a first-year class enrolled and/or reported demographic data on their first-year students.

TABLE 50. FIRST-YEAR CLASS: GENDER

	<i>n</i> (P)	% (P)	<i>n</i> (S)	% (S)	Mean % (S)	<i>M</i>	<i>SD</i>	<i>Mdn</i>
Female	223	99.1	7,486	70.8	71.9	33.6	15.8	30.0
Male	223	99.1	3,050	28.9	28.5	13.7	12.4	11.0
Unknown gender	5	2.2	32	0.3	22.9	6.4	11.0	1.0
Total	225	100.0	10,568	100.0	100.0	23.4	17.4	19.0

TABLE 51. FIRST-YEAR CLASS: ETHNICITY

	<i>n</i> (P)	% (P)	<i>n</i> (S)	% (S)	Mean % (S)	<i>M</i>	<i>SD</i>	<i>Mdn</i>
Hispanic, Latino, or Spanish in origin	169	75.1	850	8.1	12.0	5.0	6.3	3.0
Not Hispanic, Latino, or Spanish in origin	207	92.0	8,728	83.3	90.0	42.2	19.8	39.0
Unknown ethnicity	57	25.3	894	8.5	32.4	15.7	21.5	6.0
Total	225	100.0	10,472	100.0	100.0	24.2	23.9	21.0

Of the 214 programs that reported some ethnicity information (excluding those that only reported “Do not know”) for their first-year class, 45 (21.0%) reported no Hispanic students.

TABLE 52. FIRST-YEAR CLASS: RACE

	<i>n</i> (P)	% (P)	<i>n</i> (S)	% (S)	Mean % (S)	<i>M</i>	<i>SD</i>	<i>Mdn</i>
American Indian or Alaskan Native	48	21.3	57	0.5	2.5	1.2	0.6	1.0
Asian	187	83.1	987	9.3	10.9	5.3	4.5	4.0
Black or African American	143	63.6	402	3.8	5.9	2.8	2.4	2.0
Multiracial	79	35.1	242	2.3	6.5	3.1	3.4	2.0
Native Hawaiian or Pacific Islander	23	10.2	88	0.8	6.4	3.8	10.6	1.0
White	211	93.8	7,591	71.8	77.7	36.0	17.5	31.0
Other	81	36.0	381	3.6	9.2	4.7	4.9	3.0
Unknown race	79	35.1	827	7.8	21.6	10.5	17.7	3.0
Total	225	100.0	10,575	100.0	100.0	12.4	17.4	4.0

Of the 214 programs that reported some race information (excluding those that only reported “Other” or “Do not know”) for their first-year class, 11 (5.1%) reported no non-White students.

TABLE 53. FIRST-YEAR CLASS: AGE

	<i>n</i>	<i>M</i>	<i>SD</i>	<i>Mdn</i>
Average age of first-year class	225	25.1	4.2	25.0
Age of youngest matriculant	225	21.0	3.0	21.0
Age of oldest matriculant	225	40.4	10.0	40.0

2018 Cohort

This section refers to the 2018 cohort, or the group of students who entered a PA program expecting to graduate in 2018. For most programs, this group of students matriculated in 2016. 208 programs (88.1%) reported that they had graduated or would be graduating a 2018 cohort of PA students.

For [Tables 55](#) and [56](#):

- **“*n* (P)”** refers to the number of programs reporting at least one student of that status (e.g., in [Table 56](#), 87 programs reported at least one student who was dismissed for academic reasons).
- **“% (P)”** refers to the proportion of programs reporting at least one student of that status, out of the 208 programs that reported graduating a 2018 cohort of students (e.g., in [Table 56](#), of the 208 programs with a 2018 cohort, 41.8% reported at least one student who was dismissed for academic reasons).
- **“*n* (S)”** refers to the number of students of each status as reported by the *n* (P) programs (e.g., in [Table 56](#), 87 programs reported 178 students who were dismissed for academic reasons).
- **“% (S)”** refers to the proportion of all students reported across programs of each status (e.g., in [Table 56](#), of 9,937 total students, 1.8% were dismissed for academic reasons).
- **“Mean % (S)”** refers to the average proportion of students of each status among the *n* (P) reporting programs (e.g., in [Table 56](#), of the 87 programs that reported at least one student who was dismissed for academic reasons, an average of 4.0% of their 2018 cohort was dismissed for academic reasons).
- ***M*, *SD*, and *Mdn*** are calculated using data from the *n* (P) reporting programs.

TABLE 54. 2018 COHORT: PERCENT RECEIVING FEDERAL FINANCIAL AID (%)

	<i>n</i>	<i>M</i>	<i>M (T)</i>	<i>SD</i>	<i>P10</i>	<i>P25</i>	<i>P50 (Mdn)</i>	<i>P75</i>	<i>P90</i>
Percent of students receiving federal financial aid	199	84.9	88.4	18.2	67.0	80.0	90.0	96.0	100.0

Note: Programs that reported 0% were excluded.

TABLE 55. 2018 COHORT: ENROLLMENT AT MATRICULATION

	<i>n (P)</i>	<i>% (P)</i>	<i>n (S)</i>	<i>% (S)</i>	<i>Mean % (S)</i>	<i>M</i>	<i>SD</i>	<i>Mdn</i>
New students	207	100.0	9,673	97.8	98.1	46.7	23.0	40.0
Decelerated students from previous class	77	37.2	167	1.7	3.8	2.2	1.9	2.0
Delayed/Deferred admission from previous year	21	10.1	23	0.2	2.2	1.1	0.3	1.0
Other students	5	2.4	27	0.3	8.6	5.4	5.7	2.0
Total	207	100.0	9,890	100.0	100.0	31.9	28.3	30.0

Note: "% (S)" refers to the proportion of students reported across all programs that fell into each category. Zeroes were excluded.

TABLE 56. 2018 COHORT: STUDENT STATUS AT GRADUATION

	<i>n (P)</i>	<i>% (P)</i>	<i>n (S)</i>	<i>% (S)</i>	<i>Mean % (S)</i>	<i>M</i>	<i>SD</i>	<i>Mdn</i>
Graduated, or expect to graduate, on time	208	100.0	9,202	92.6	92.9	44.2	21.4	38.0
Not graduated, or expected to graduate, on time								
Academic dismissal	87	41.8	178	1.8	4.0	2.0	2.1	1.0
Non-academic dismissal (e.g., professionalism sanction)	15	7.2	18	0.2	2.6	1.2	0.4	1.0
Withdrew: Medical reason(s)	39	18.8	51	0.5	2.6	1.3	0.6	1.0
Withdrew: Personal reason(s)	80	38.5	138	1.4	3.9	1.7	1.0	1.0
Decelerated: Short-term (graduated less than one year late)	68	32.7	171	1.7	4.9	2.5	1.8	2.0
Decelerated: Long-term (to next cohort)	87	41.8	179	1.8	3.9	2.1	2.3	1.0
Total	208	100.0	9,937	100.0	100.0	17.0	24.0	3.0

2018 Cohort Demographics

The following section details the graduation, deceleration, and withdrawal status of the 2018 cohort of PA students by demographic factors (i.e., gender, ethnicity, and race). Omissions and imprecisions in programs' reporting of student demographic data make it difficult to provide a complete and accurate picture of the PA student body. This is also why cohort sample sizes differ across demographic tables. PAEA is exploring new ways to collect this information but would like to underscore the importance of member programs gathering and accurately reporting detailed student demographic data.

Demographic breakdowns are presented in two ways, in the "A" and "B" tables. The two types of tables present the same information in two different but complementary ways, giving further insight into the demographic makeup and statuses of the 2018 cohort.

In the **“A” tables**, we report student demographics by their status (i.e., graduation, dismissal, withdrawal, and deceleration rates). The **“% (S)”** column in the **“A” tables** can be interpreted as: “For each demographic category, what percentage of students had that status?” The **“% (All S)”** column of the **“A” tables** can be interpreted as: “Of all students reported by demographics and status, how many students were of that demographic and status?” For example, [Table 58A](#) shows that, among female students, 94.0% graduated, and female graduates comprised 68.1% of all reported students in the 2018 cohort.

The **“B” tables** report student statuses by demographics. The interpretation of the percentages in the **“B tables”** is: “For each status, what percentage of students belonged to each demographic?” For example, [Table 58B](#) shows that 73.5% of all graduates in the 2018 cohort were female.

For all **“A” tables**:

- **“n (P)”** refers to the number of programs reporting at least one student of that demographic and status (e.g., in [Table 58A](#), 64 programs reported at least one female student who was dismissed for academic reasons).
- **“% (P)”** refers to the proportion of programs reporting at least one student of that demographic and status, out of the 208 programs that reported graduating a 2018 cohort of students (e.g., in [Table 58A](#), of the 208 programs with a 2018 cohort, 30.8% reported at least one female student who was dismissed for academic reasons).
- **“n (S)”** refers to the number of students of each demographic who had each status (e.g., in [Table 58A](#), programs reported a total of 97 female students who were dismissed for academic reasons).
- **“% (S)”** refers to the proportion of all students within a demographic who had each status (e.g., in [Table 58A](#), of 7,202 total female students, 1.3% were dismissed for academic reasons).
- **“% (All S)”** refers to the proportion of all students who belonged to a demographic and who had each status (e.g., in [Table 58A](#), of 9,939 total students, 1.0% were female students who were dismissed for academic reasons).
- **M, SD, and Mdn** were calculated using data from the *n (P)* reporting programs and were not tabled when there were fewer than 5 reporting programs.

TABLE 57. 2018 COHORT: PROGRAMS WITH MISSING DEMOGRAPHIC INFORMATION

	<i>n</i>	%
Missing gender information	29	13.9
Missing ethnicity information	37	17.8
Missing race information	40	19.2

The percent of programs missing demographic information was calculated by dividing the number of programs that did not report demographic information, or reported all “Do not know,” by the 208 programs that reported graduating a 2018 cohort.

TABLE 58A. 2018 COHORT: GENDER BY STUDENT STATUS

	<i>n</i> (P)	% (P)	<i>n</i> (S)	% (S)	% (All S)	<i>M</i>	<i>SD</i>	<i>Mdn</i>
Female								
Graduated, or expect to graduate, on time	206	99.0	6,767	94.0	68.1	32.8	15.6	29.0
Not graduated, or expected to graduate, on time								
Academic dismissal	64	30.8	97	1.3	1.0	1.5	1.0	1.0
Non-academic dismissal (e.g., professionalism sanction)	7	3.4	7	0.1	0.1	1.0	0.0	1.0
Withdrew: Medical reason(s)	31	14.9	34	0.5	0.3	1.1	0.3	1.0
Withdrew: Personal reason(s)	54	26.0	80	1.1	0.8	1.5	0.8	1.0
Decelerated: Short-term (graduated less than one year late)	52	25.0	109	1.5	1.1	2.1	1.5	2.0
Decelerated: Long-term (to next cohort)	63	30.3	108	1.5	1.1	1.7	1.3	1.0
Subtotal	207	99.5	7,202	100.0	72.5	15.1	18.6	3.0
Male								
Graduated, or expect to graduate, on time	204	98.1	2,357	88.9	23.7	11.6	10.0	10.0
Not graduated, or expected to graduate, on time								
Academic dismissal	52	25.0	79	3.0	0.8	1.5	1.7	1.0
Non-academic dismissal (e.g., professionalism sanction)	8	3.8	10	0.4	0.1	1.3	0.5	1.0
Withdrew: Medical reason(s)	15	7.2	17	0.6	0.2	1.1	0.4	1.0
Withdrew: Personal reason(s)	45	21.6	57	2.2	0.6	1.3	0.5	1.0
Decelerated: Short-term (graduated less than one year late)	43	20.7	60	2.3	0.6	1.4	0.7	1.0
Decelerated: Long-term (to next cohort)	43	20.7	70	2.6	0.7	1.6	1.8	1.0
Subtotal	205	98.6	2,650	100.0	26.7	6.5	8.7	3.0
Unknown gender								
Graduated, or expect to graduate, on time	2	1.0	80	92.0	0.8	NR	NR	NR
Not graduated, or expected to graduate, on time								
Academic dismissal	1	0.5	2	2.3	0.0	NR	NR	NR
Non-academic dismissal (e.g., professionalism sanction)	1	0.5	1	1.1	0.0	NR	NR	NR
Withdrew: Medical reason(s)	0	0.0	0	0.0	0.0	NR	NR	NR
Withdrew: Personal reason(s)	1	0.5	1	1.1	0.0	NR	NR	NR
Decelerated: Short-term (graduated less than one year late)	1	0.5	2	2.3	0.0	NR	NR	NR
Decelerated: Long-term (to next cohort)	1	0.5	1	1.1	0.0	NR	NR	NR
Subtotal	3	1.4	87	100.0	0.9	12.4	20.5	2.0
Total								
Graduated, or expect to graduate, on time	412	198.1	9,204	92.6	92.6	22.3	16.9	18.0
Not graduated, or expected to graduate, on time								
Academic dismissal	117	56.3	178	1.8	1.8	1.5	1.3	1.0
Non-academic dismissal (e.g., professionalism sanction)	16	7.7	18	0.2	0.2	1.1	0.3	1.0
Withdrew: Medical reason(s)	46	22.1	51	0.5	0.5	1.1	0.3	1.0
Withdrew: Personal reason(s)	100	48.1	138	1.4	1.4	1.4	0.7	1.0
Decelerated: Short-term (graduated less than one year late)	96	46.2	171	1.7	1.7	1.8	1.3	1.0
Decelerated: Long-term (to next cohort)	107	51.4	179	1.8	1.8	1.7	1.5	1.0
Total	208	100.0	9,939	100.0	100.0	11.1	15.5	3.0

TABLE 58B. 2018 COHORT: STUDENT STATUS BY GENDER (%)

	n (S)	Female	Male	Unknown Gender
Graduated, or expect to graduate, on time	9,204	73.5	25.6	0.9
Not graduated, or expected to graduate, on time				
Academic dismissal	178	54.5	44.4	1.1
Non-academic dismissal (e.g., professionalism sanction)	18	38.9	55.6	5.6
Withdrew: Medical reason(s)	51	66.7	33.3	0.0
Withdrew: Personal reason(s)	138	58.0	41.3	0.7
Decelerated: Short-term (graduated less than one year late)	171	63.7	35.1	1.2
Decelerated: Long-term (to next cohort)	179	60.3	39.1	0.6
Total	9,939	72.5	26.7	0.9

TABLE 59A. 2018 COHORT: ETHNICITY BY STUDENT STATUS

	n (P)	% (P)	n (S)	% (S)	% (All S)	M	SD	Mdn
Hispanic, Latino, or Spanish in origin								
Graduated, or expect to graduate, on time	142	68.3	607	90.5	6.1	4.3	4.7	3.0
Not graduated, or expected to graduate, on time								
Academic dismissal	11	5.3	14	2.1	0.1	1.3	0.9	1.0
Non-academic dismissal (e.g., professionalism sanction)	0	0.0	0	0.0	0.0	NR	NR	NR
Withdrew: Medical reason(s)	3	1.4	3	0.4	0.0	NR	NR	NR
Withdrew: Personal reason(s)	11	5.3	11	1.6	0.1	1.0	0.0	1.0
Decelerated: Short-term (graduated less than one year late)	11	5.3	17	2.5	0.2	1.5	0.7	1.0
Decelerated: Long-term (to next cohort)	13	6.3	19	2.8	0.2	1.5	0.9	1.0
Subtotal	142	68.3	671	100.0	6.8	3.5	4.3	2.0
Not Hispanic, Latino, or Spanish in origin								
Graduated, or expect to graduate, on time	192	92.3	7,675	93.0	77.2	40.0	19.8	35.0
Not graduated, or expected to graduate, on time								
Academic dismissal	74	35.6	139	1.7	1.4	1.9	1.3	1.0
Non-academic dismissal (e.g., professionalism sanction)	12	5.8	15	0.2	0.2	1.3	0.5	1.0
Withdrew: Medical reason(s)	34	16.3	41	0.5	0.4	1.2	0.5	1.0
Withdrew: Personal reason(s)	60	28.8	106	1.3	1.1	1.8	1.0	1.0
Decelerated: Short-term (graduated less than one year late)	59	28.4	138	1.7	1.4	2.3	1.6	2.0
Decelerated: Long-term (to next cohort)	75	36.1	138	1.7	1.4	1.8	1.8	1.0
Subtotal	197	94.7	8,252	100.0	83.0	16.3	22.2	3.0

Of the 199 programs that reported some ethnicity information (excluding those that only reported “Do not know”) for their 2018 graduating cohort, 57 (28.6%) reported no Hispanic graduates.

(continued)

TABLE 59A. 2018 COHORT: ETHNICITY BY STUDENT STATUS, continued

	n (P)	% (P)	n (S)	% (S)	% (All S)	M	SD	Mdn
Unknown ethnicity								
Graduated, or expect to graduate, on time	47	22.6	922	90.9	9.3	19.6	23.3	6.0
Not graduated, or expected to graduate, on time								
Academic dismissal	9	4.3	24	2.4	0.2	2.7	2.4	2.0
Non-academic dismissal (e.g., professionalism sanction)	3	1.4	3	0.3	0.0	NR	NR	NR
Withdrew: Medical reason(s)	6	2.9	7	0.7	0.1	1.2	0.4	1.0
Withdrew: Personal reason(s)	12	5.8	21	2.1	0.2	1.8	1.2	1.0
Decelerated: Short-term (graduated less than one year late)	6	2.9	12	1.2	0.1	2.0	1.1	2.0
Decelerated: Long-term (to next cohort)	10	4.8	25	2.5	0.3	2.5	1.6	2.0
Subtotal	56	26.9	1,014	100.0	10.2	10.9	18.7	2.0
Total								
Graduated, or expect to graduate, on time	381	183.2	9,204	92.6	92.6	24.2	23.4	21.0
Not graduated, or expected to graduate, on time								
Academic dismissal	94	45.2	177	1.8	1.8	1.9	1.4	1.0
Non-academic dismissal (e.g., professionalism sanction)	15	7.2	18	0.2	0.2	1.2	0.4	1.0
Withdrew: Medical reason(s)	43	20.7	51	0.5	0.5	1.2	0.5	1.0
Withdrew: Personal reason(s)	83	39.9	138	1.4	1.4	1.7	1.0	1.0
Decelerated: Short-term (graduated less than one year late)	76	36.5	167	1.7	1.7	2.2	1.5	2.0
Decelerated: Long-term (to next cohort)	98	47.1	182	1.8	1.8	1.9	1.7	1.0
Total	208	100.0	9,937	100.0	100.0	12.6	19.7	2.0

TABLE 59B. 2018 COHORT: STUDENT STATUS BY ETHNICITY (%)

	n (S)	Hispanic, Latino, or Spanish in Origin	Not Hispanic, Latino, or Spanish in Origin	Unknown Ethnicity
Graduated, or expect to graduate, on time	9,204	6.6	83.4	10.0
Not graduated, or expected to graduate, on time				
Academic dismissal	177	7.9	78.5	13.6
Non-academic dismissal (e.g., professionalism sanction)	18	0.0	83.3	16.7
Withdrew: Medical reason(s)	51	5.9	80.4	13.7
Withdrew: Personal reason(s)	138	8.0	76.8	15.2
Decelerated: Short-term (graduated less than one year late)	167	10.2	82.6	7.2
Decelerated: Long-term (to next cohort)	182	10.4	75.8	13.7
Total	9,937	6.8	83.0	10.2

Of the 199 programs that reported some ethnicity information (excluding those that only reported “Do not know”) for their 2018 graduating cohort, 57 (28.6%) reported no Hispanic graduates.

TABLE 60A. 2018 COHORT: RACE BY STUDENT STATUS

	<i>n</i> (P)	% (P)	<i>n</i> (S)	% (S)	% (All S)	<i>M</i>	<i>SD</i>	<i>Mdn</i>
American Indian or Alaskan Native								
Graduated, or expect to graduate, on time	24	11.5	37	78.7	0.4	1.5	0.8	1.0
Not graduated, or expected to graduate, on time								
Academic dismissal	4	1.9	4	8.5	0.0	NR	NR	NR
Non-academic dismissal (e.g., professionalism sanction)	0	0.0	0	0.0	0.0	NR	NR	NR
Withdrew: Medical reason(s)	0	0.0	0	0.0	0.0	NR	NR	NR
Withdrew: Personal reason(s)	3	1.4	3	6.4	0.0	NR	NR	NR
Decelerated: Short-term (graduated less than one year late)	2	1.0	2	4.3	0.0	NR	NR	NR
Decelerated: Long-term (to next cohort)	1	0.5	1	2.1	0.0	NR	NR	NR
Subtotal	31	14.9	47	100.0	0.5	1.4	0.7	1.0
Asian								
Graduated, or expect to graduate, on time	153	73.6	696	90.5	7.0	4.5	4.0	3.0
Not graduated, or expected to graduate, on time								
Academic dismissal	17	8.2	20	2.6	0.2	1.2	0.4	1.0
Non-academic dismissal (e.g., professionalism sanction)	0	0.0	0	0.0	0.0	NR	NR	NR
Withdrew: Medical reason(s)	6	2.9	6	0.8	0.1	1.0	0.0	1.0
Withdrew: Personal reason(s)	6	2.9	7	0.9	0.1	1.2	0.4	1.0
Decelerated: Short-term (graduated less than one year late)	15	7.2	21	2.7	0.2	1.4	0.8	1.0
Decelerated: Long-term (to next cohort)	15	7.2	19	2.5	0.2	1.3	0.5	1.0
Subtotal	157	75.5	769	100.0	7.7	3.6	3.7	2.0
Black or African American								
Graduated, or expect to graduate, on time	104	50.0	269	76.4	2.7	2.6	2.4	2.0
Not graduated, or expected to graduate, on time								
Academic dismissal	15	7.2	25	7.1	0.3	1.7	1.3	1.0
Non-academic dismissal (e.g., professionalism sanction)	1	0.5	1	0.3	0.0	NR	NR	NR
Withdrew: Medical reason(s)	2	1.0	2	0.6	0.0	NR	NR	NR
Withdrew: Personal reason(s)	13	6.3	17	4.8	0.2	1.3	0.5	1.0
Decelerated: Short-term (graduated less than one year late)	11	5.3	15	4.3	0.2	1.4	0.5	1.0
Decelerated: Long-term (to next cohort)	15	7.2	23	6.5	0.2	1.5	0.9	1.0
Subtotal	118	56.7	352	100.0	3.5	2.2	2.0	1.0

Of the 196 programs that reported some race information (excluding those that only reported "Other" or "Do not know") for their 2018 graduating cohort, 19 (9.7%) reported no non-White graduates.

(continued)

TABLE 60A. 2018 COHORT: RACE BY STUDENT STATUS, continued

	<i>n</i> (P)	% (P)	<i>n</i> (S)	% (S)	% (All S)	<i>M</i>	<i>SD</i>	<i>Mdn</i>
Multiracial								
Graduated, or expect to graduate, on time	68	32.7	246	94.6	2.5	3.6	4.8	2.5
Not graduated, or expected to graduate, on time								
Academic dismissal	2	1.0	2	0.8	0.0	NR	NR	NR
Non-academic dismissal (e.g., professionalism sanction)	1	0.5	1	0.4	0.0	NR	NR	NR
Withdrew: Medical reason(s)	0	0.0	0	0.0	0.0	NR	NR	NR
Withdrew: Personal reason(s)	3	1.4	4	1.5	0.0	NR	NR	NR
Decelerated: Short-term (graduated less than one year late)	3	1.4	3	1.2	0.0	NR	NR	NR
Decelerated: Long-term (to next cohort)	4	1.9	4	1.5	0.0	NR	NR	NR
Subtotal	71	34.1	260	100.0	2.6	3.2	4.5	2.0
Native Hawaiian or Pacific Islander								
Graduated, or expect to graduate, on time	11	5.3	35	97.2	0.4	3.2	6.9	1.0
Not graduated, or expected to graduate, on time								
Academic dismissal	0	0.0	0	0.0	0.0	NR	NR	NR
Non-academic dismissal (e.g., professionalism sanction)	0	0.0	0	0.0	0.0	NR	NR	NR
Withdrew: Medical reason(s)	0	0.0	0	0.0	0.0	NR	NR	NR
Withdrew: Personal reason(s)	0	0.0	0	0.0	0.0	NR	NR	NR
Decelerated: Short-term (graduated less than one year late)	1	0.5	1	2.8	0.0	NR	NR	NR
Decelerated: Long-term (to next cohort)	0	0.0	0	0.0	0.0	NR	NR	NR
Subtotal	11	5.3	36	100.0	0.4	3.0	6.6	1.0
White								
Graduated, or expect to graduate, on time	189	90.9	6,622	94.1	66.6	35.0	18.2	32.0
Not graduated, or expected to graduate, on time								
Academic dismissal	54	26.0	94	1.3	0.9	1.7	1.0	1.0
Non-academic dismissal (e.g., professionalism sanction)	11	5.3	14	0.2	0.1	1.3	0.5	1.0
Withdrew: Medical reason(s)	28	13.5	36	0.5	0.4	1.3	0.6	1.0
Withdrew: Personal reason(s)	53	25.5	80	1.1	0.8	1.5	0.9	1.0
Decelerated: Short-term (graduated less than one year late)	53	25.5	102	1.4	1.0	1.9	1.2	1.0
Decelerated: Long-term (to next cohort)	54	26.0	87	1.2	0.9	1.6	1.5	1.0
Subtotal	195	93.8	7,035	100.0	70.8	15.9	20.4	3.0

TABLE 60A. 2018 COHORT: RACE BY STUDENT STATUS, continued

	<i>n</i> (P)	% (P)	<i>n</i> (S)	% (S)	% (All S)	<i>M</i>	<i>SD</i>	<i>Mdn</i>
Other race								
Graduated, or expect to graduate, on time	71	34.1	287	82.9	2.9	4.0	4.2	2.0
Not graduated, or expected to graduate, on time								
Academic dismissal	8	3.8	11	3.2	0.1	1.4	1.1	1.0
Non-academic dismissal (e.g., professionalism sanction)	1	0.5	1	0.3	0.0	NR	NR	NR
Withdrew: Medical reason(s)	1	0.5	1	0.3	0.0	NR	NR	NR
Withdrew: Personal reason(s)	3	1.4	4	1.2	0.0	NR	NR	NR
Decelerated: Short-term (graduated less than one year late)	10	4.8	16	4.6	0.2	1.6	1.0	1.0
Decelerated: Long-term (to next cohort)	14	6.7	26	7.5	0.3	1.9	1.7	1.0
Subtotal	80	38.5	346	100.0	3.5	3.2	3.7	2.0
Unknown race								
Graduated, or expect to graduate, on time	72	34.6	1,012	92.7	10.2	14.1	19.5	5.5
Not graduated, or expected to graduate, on time								
Academic dismissal	11	5.3	22	2.0	0.2	2.0	2.1	1.0
Non-academic dismissal (e.g., professionalism sanction)	2	1.0	2	0.2	0.0	NR	NR	NR
Withdrew: Medical reason(s)	4	1.9	5	0.5	0.1	NR	NR	NR
Withdrew: Personal reason(s)	12	5.8	23	2.1	0.2	1.9	1.2	1.5
Decelerated: Short-term (graduated less than one year late)	5	2.4	9	0.8	0.1	1.8	0.8	2.0
Decelerated: Long-term (to next cohort)	12	5.8	19	1.7	0.2	1.6	0.8	1.0
Subtotal	76	36.5	1,092	100.0	11.0	9.3	16.4	2.0
Total								
Graduated, or expect to graduate, on time	692	332.7	9,204	92.6	92.6	13.3	18.1	4.0
Not graduated, or expected to graduate, on time								
Academic dismissal	111	53.4	178	1.8	1.8	1.6	1.2	1.0
Non-academic dismissal (e.g., professionalism sanction)	15	7.2	18	0.2	0.2	1.2	0.4	1.0
Withdrew: Medical reason(s)	42	20.2	51	0.5	0.5	1.2	0.5	1.0
Withdrew: Personal reason(s)	93	44.7	138	1.4	1.4	1.5	0.8	1.0
Decelerated: Short-term (graduated less than one year late)	100	48.1	169	1.7	1.7	1.7	1.1	1.0
Decelerated: Long-term (to next cohort)	115	55.3	179	1.8	1.8	1.6	1.3	1.0
Total	208	100.0	9,937	100.0	100.0	8.5	15.1	2.0

TABLE 60B. 2018 COHORT: STUDENT STATUS BY RACE (%)

	<i>n</i> (S)	American Indian or Alaskan Native	Asian	Black or African American	Multiracial	Native Hawaiian or Pacific Islander	White	Other Race	Unknown Race
Graduated, or expect to graduate, on time	9,204	0.4	7.6	2.9	2.7	0.4	71.9	3.1	11.0
Not graduated, or expected to graduate, on time									
Academic dismissal	178	2.2	11.2	14.0	1.1	0.0	52.8	6.2	12.4
Non-academic dismissal (e.g., professionalism sanction)	18	0.0	0.0	5.6	0.0	0.0	77.8	5.6	11.1
Withdrew: Medical reason(s)	51	0.0	11.8	3.9	2.0	0.0	70.6	2.0	9.8
Withdrew: Personal reason(s)	138	2.2	5.1	12.3	2.9	0.0	58.0	2.9	16.7
Decelerated: Short-term (graduated less than one year late)	169	1.2	12.4	8.9	1.8	0.6	60.4	9.5	5.3
Decelerated: Long-term (to next cohort)	179	0.6	10.6	12.8	2.2	0.0	48.6	14.5	10.6
Total	9,937	0.5	7.7	3.5	2.6	0.4	70.8	3.5	11.0

Of the 196 programs that reported some race information (excluding those that only reported "Other" or "Do not know") for their 2018 graduating cohort, 19 (9.7%) reported no non-White graduates.