

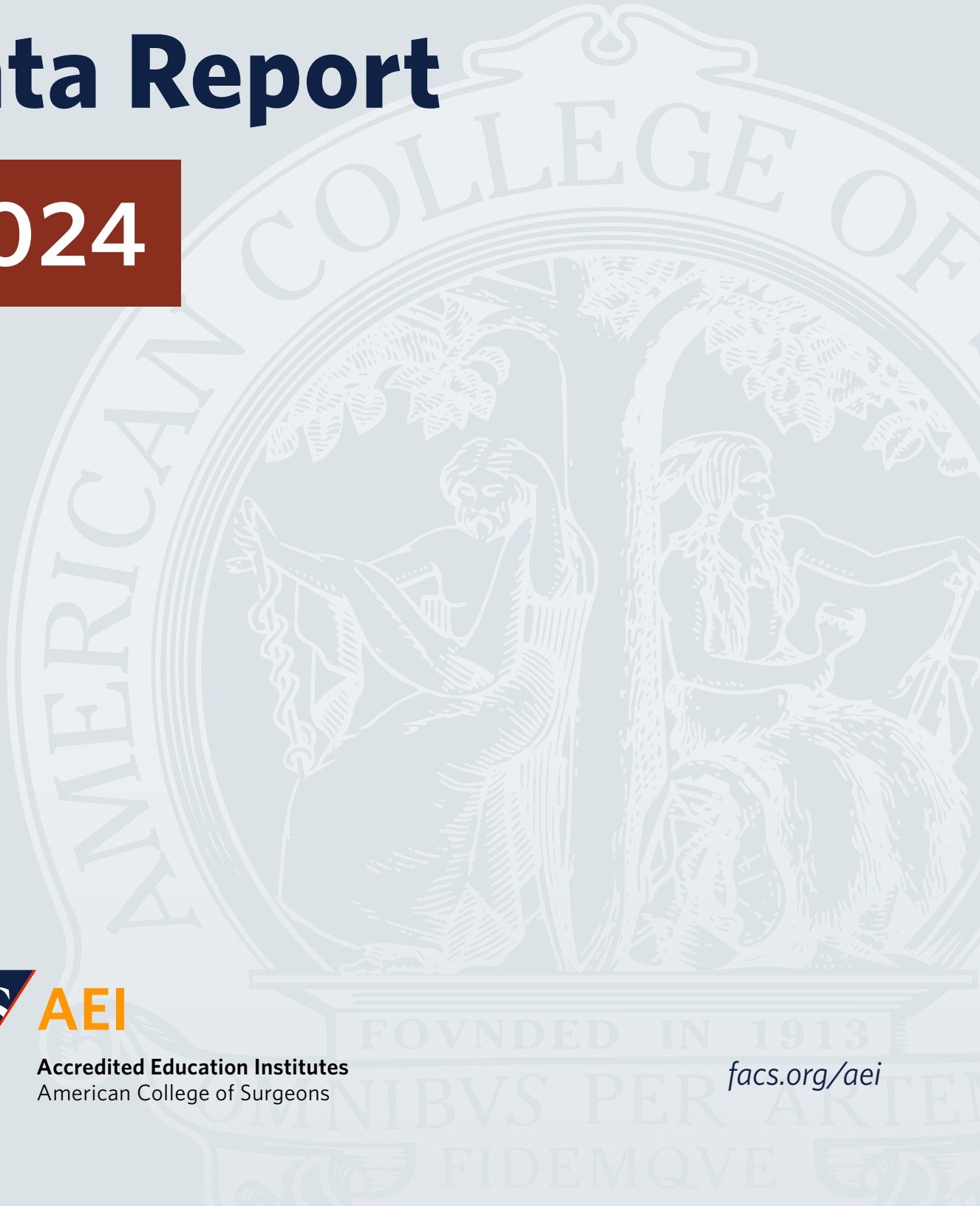
# Annual Data Report

2024

**ACS** **AEI**

Accredited Education Institutes  
American College of Surgeons

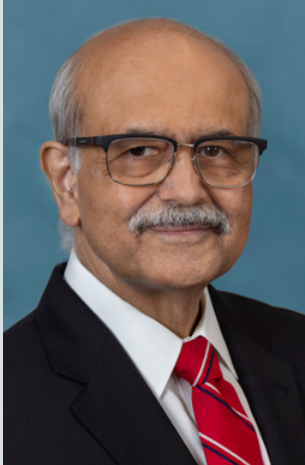
[facs.org/aei](https://facs.org/aei)





AMERICAN COLLEGE OF SURGEONS • DIVISION OF EDUCATION<sup>®</sup>  
**ACCREDITED EDUCATION INSTITUTES**  
ENHANCING PATIENT SAFETY THROUGH SIMULATION

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We are pleased to share the American College of Surgeons (ACS) Accredited Education Institutes (AEI) Annual Data Report, which is a collection of insights we have gained from review of your annual compliance reports.

As we reflect on 2024, I am in awe of the incredible influence and impact that our AEIs have on medical education and patient safety throughout the world. The volume of learner encounters, new curricula, and scholarly work demonstrates our value to the field of simulation-based surgical education. We commend you on your commitment to excellence, and we look forward to continuing to support your efforts.

In the coming year, we will focus on demonstrating the value proposition of the ACS AEIs to organizational leaders and other stakeholders, and on advancing the field of surgical simulation.

Thank you for your valuable contributions to the AEI Program.

**Ajit K. Sachdeva, MD, FACS, FRCSC, FSACME, MAMSE**

*Director, Division of Education*

*Chair, ACS Program for Accreditation of Education Institutes*

*American College of Surgeons*

# Overview

Each year, Accredited Education Institutes submit data to demonstrate their ongoing compliance with the accreditation standards and criteria. After review by the Accreditation Review Committee, select data points are aggregated and published in this report as a service to the AEI Consortium.

From academic teaching centers to healthcare delivery systems, AEs can be found in a variety of settings. To acknowledge the similarities and differences among our centers, the report includes a series of tables with data broken down by center type, size, and budget, enabling centers to benchmark and gain a better understanding of how they fit in the AEI Consortium.

The aggregated information published in this report is based upon self-reporting by AEs. The ACS does not provide full verification of the accuracy of all reported information but does follow up on outliers or significant changes from previous years. We also investigate if it appears that the data do not conform to the reporting instructions.

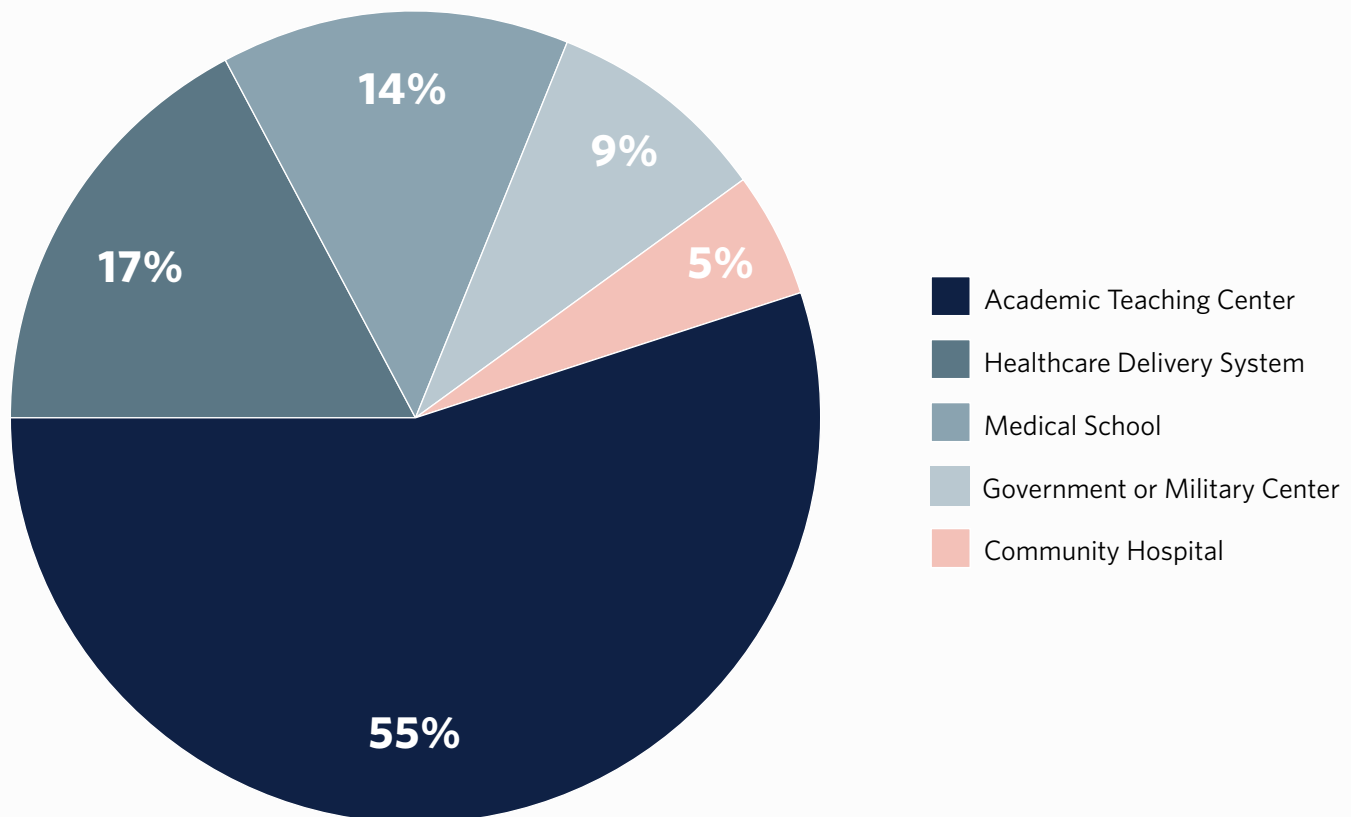
# 2024 Data Points

## Makeup of Respondents (64 Respondents)

Note that the following data are not inclusive of all AElS. Those centers going through reaccreditation are not required to complete an annual report.

Focused AElS—**5** / Comprehensive AElS—**59**

### PRIMARY AFFILIATION



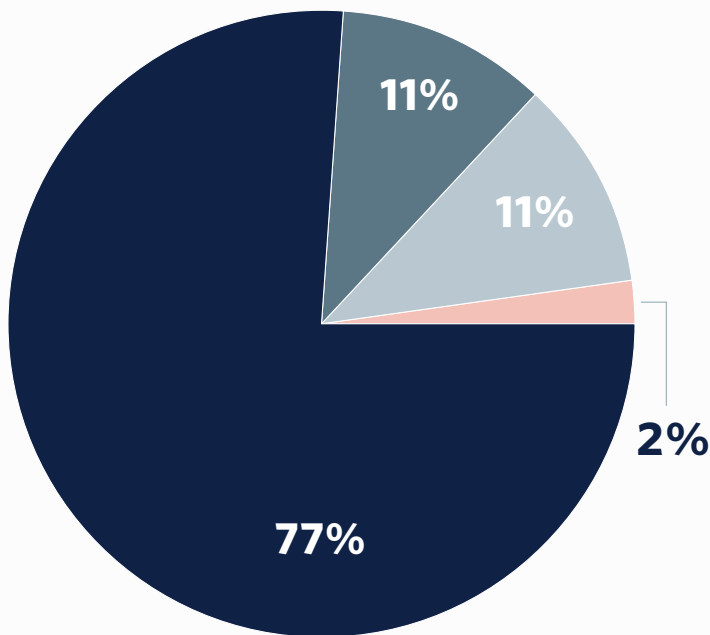
# Leadership and Personnel

Comprehensive AEIs must have staff totaling at least 1.5 Full-Time Equivalents (FTE). Two of these staff must be at least 0.5 FTE each allocated to the center. Focused AEIs must have staff totaling at least 1 FTE and one staff member must be at least 0.5 FTE allocated to the center.

## NUMBER OF FULL-TIME EQUIVALENTS AT AEIS

Number of FTEs: Maximum: **134** / Average: **9** / Median: **14** / Minimum: **1**

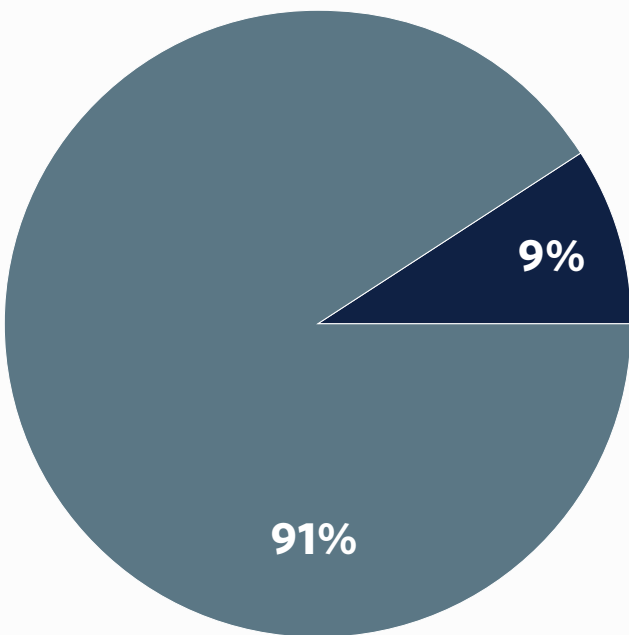
## HIGHEST CREDENTIALS OF EDUCATION INSTITUTE DIRECTOR



MD/DO   PhD   Other   EdM

"Other" responses include: MEd, MS, DNP, MHA

## DOES YOUR EDUCATION INSTITUTE DIRECTOR ALSO SERVE AS YOUR SURGICAL DIRECTOR?



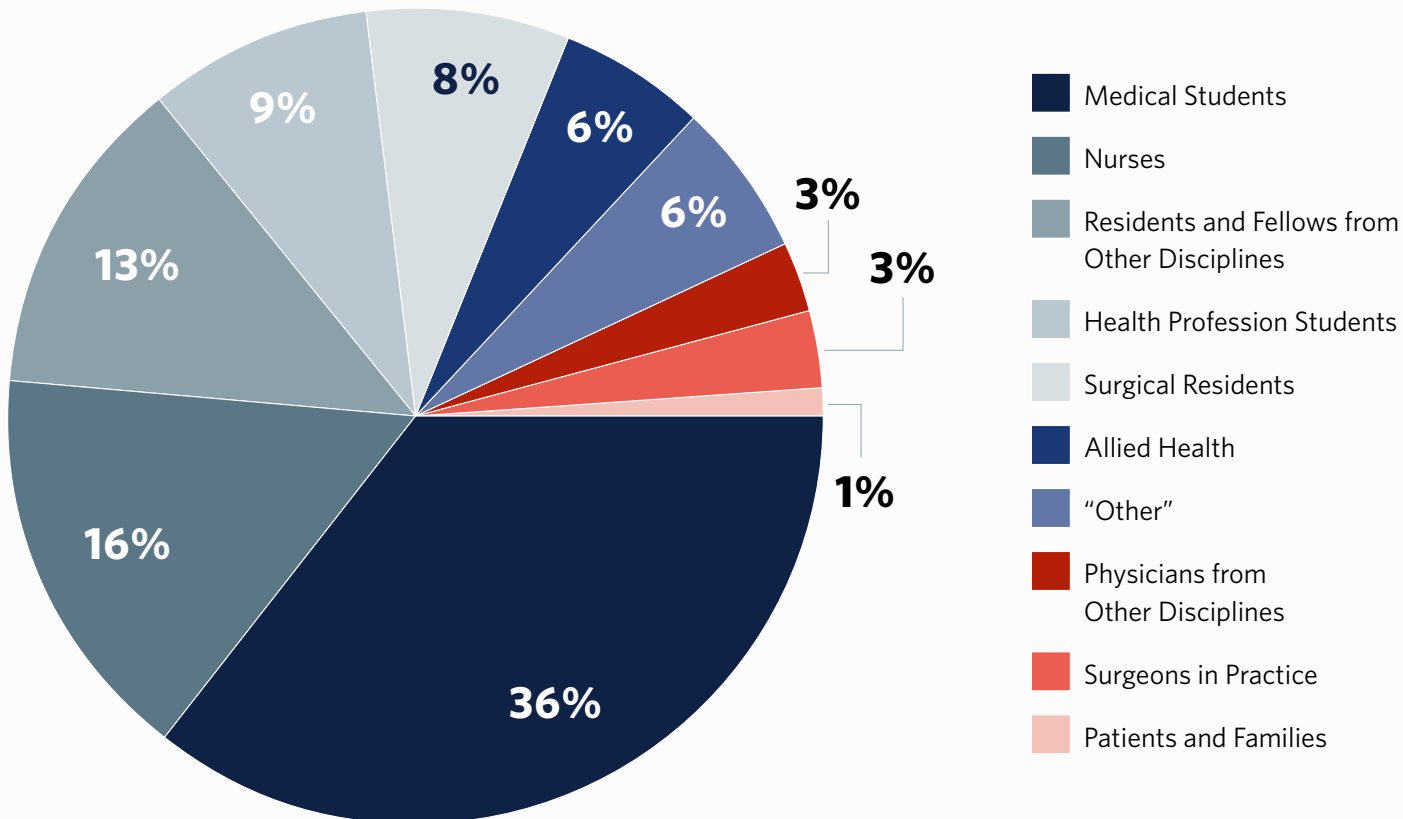
Yes   No

## Learner Encounters

AEIs report the number of participants at each activity, referred to as learner encounters. The data represent aggregate numbers of interactions and not the number of unique participants. Participants attending multiple activities are counted multiple times.

### LEARNER ENCOUNTERS

Total Number—725,228



### COURSE INSTRUCTIONAL HOURS

Average: **9,982** / Median: **3,140** / Total: **638,830** hours

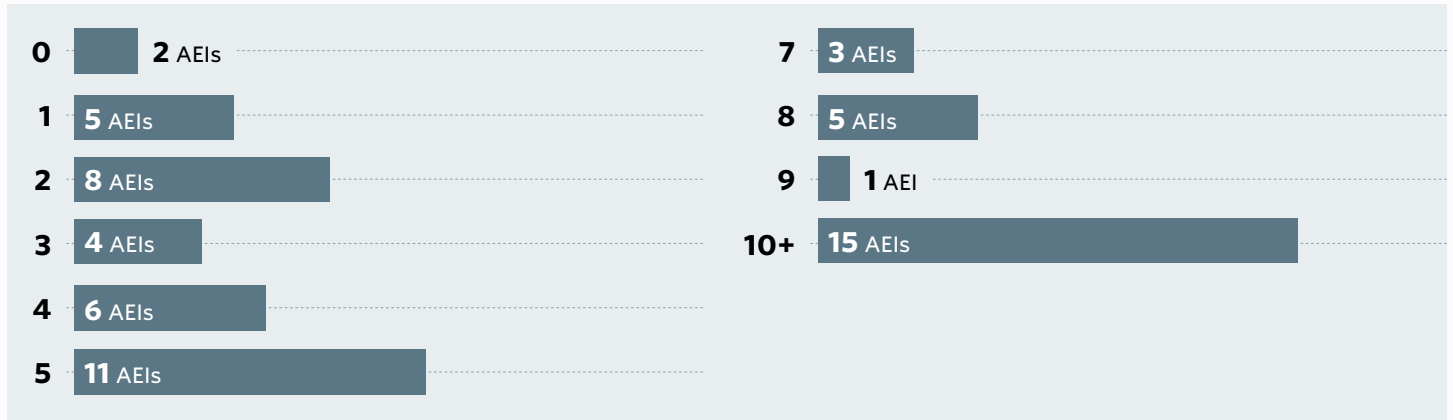
### AMOUNT OF CME OFFERED

Average: **316** / Median: **15** / Total: **20,240** credits

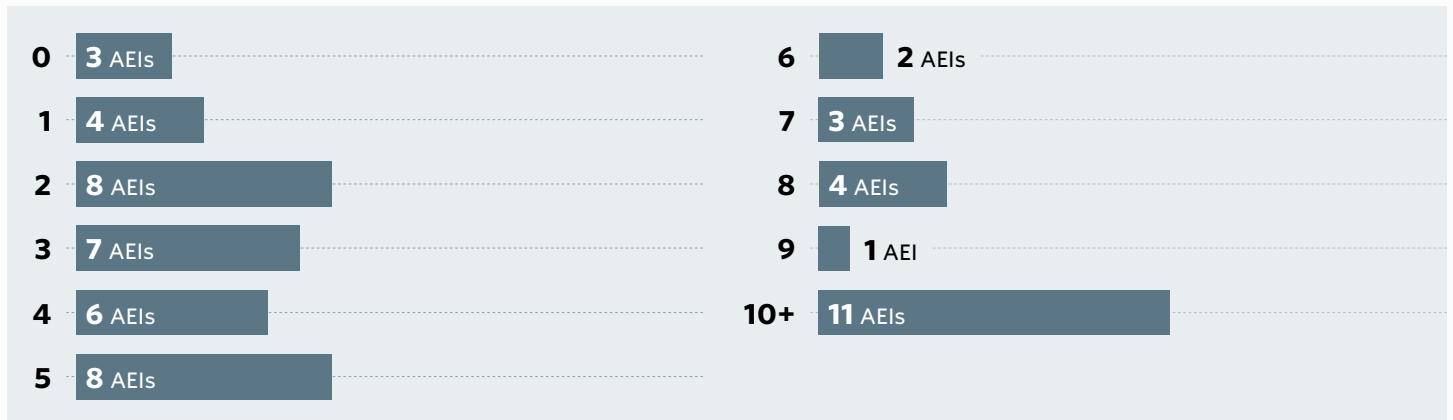
# Curriculum

AEIs must demonstrate innovation by developing or adapting curricula to meet the needs of their learners.

## NUMBER OF CURRICULA DEVELOPED OR ADAPTED IN THE LAST 12 MONTHS



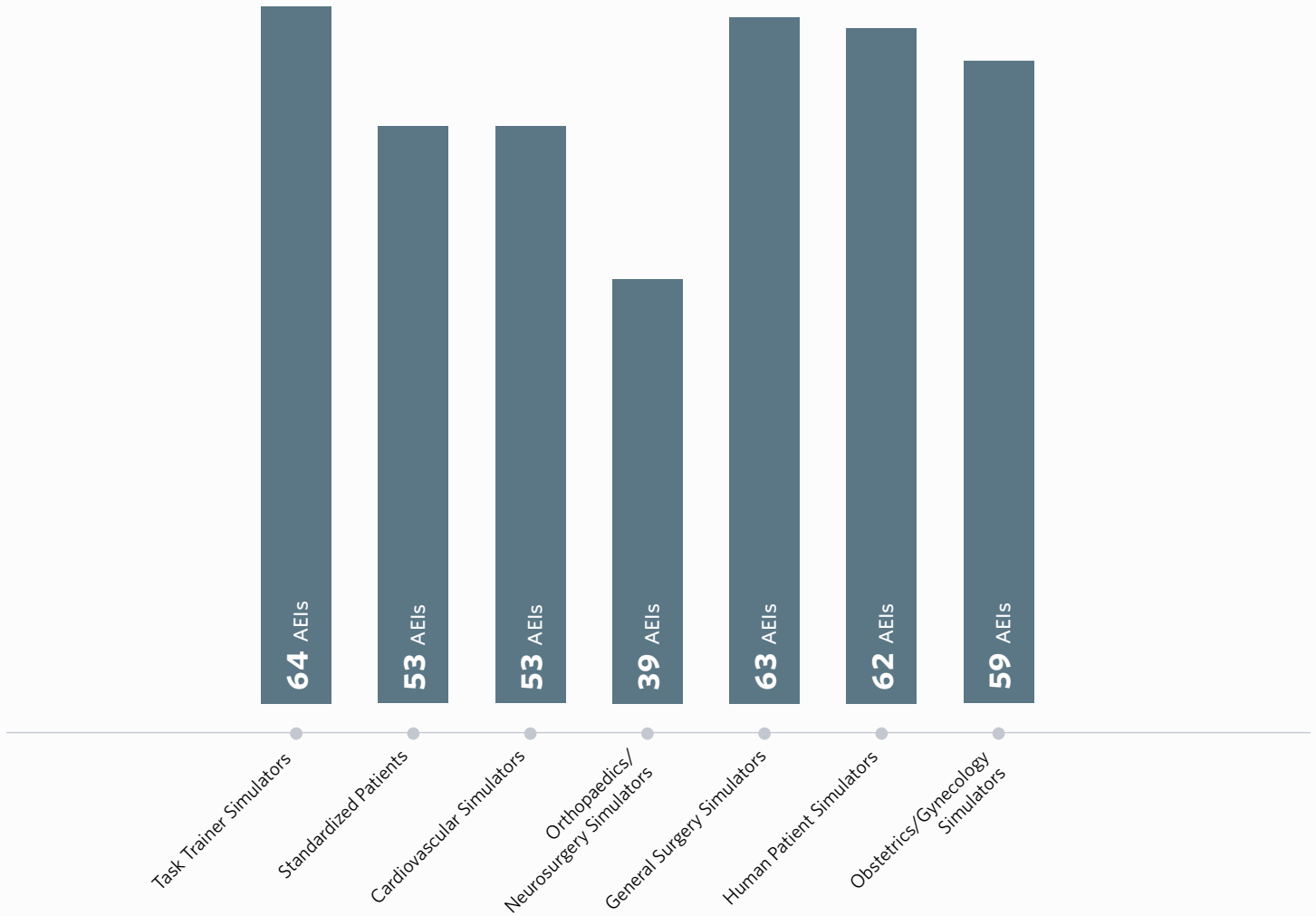
## NUMBER OF CURRICULA IMPLEMENTED IN THE LAST 12 MONTHS



# Simulators

AEIs must have devices, and the support to use them effectively, to meet learner and curricular needs.

## TYPES OF SIMULATORS

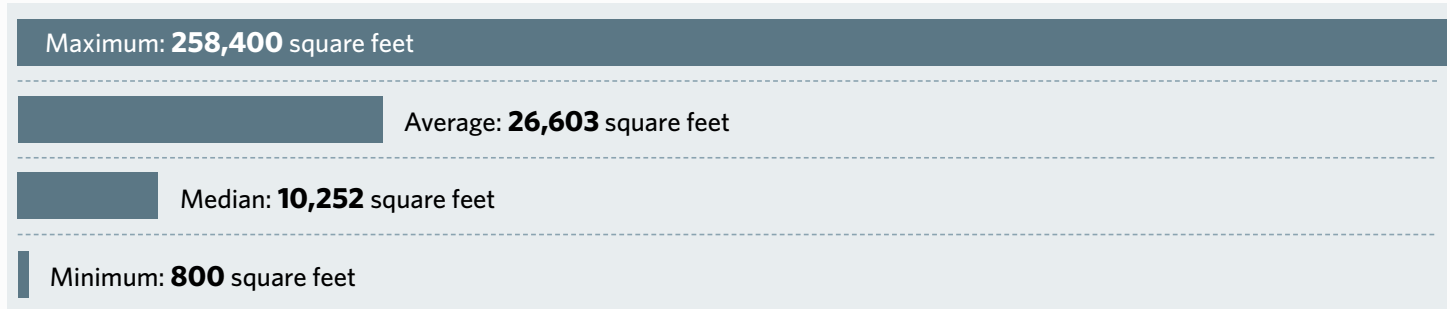




# Space

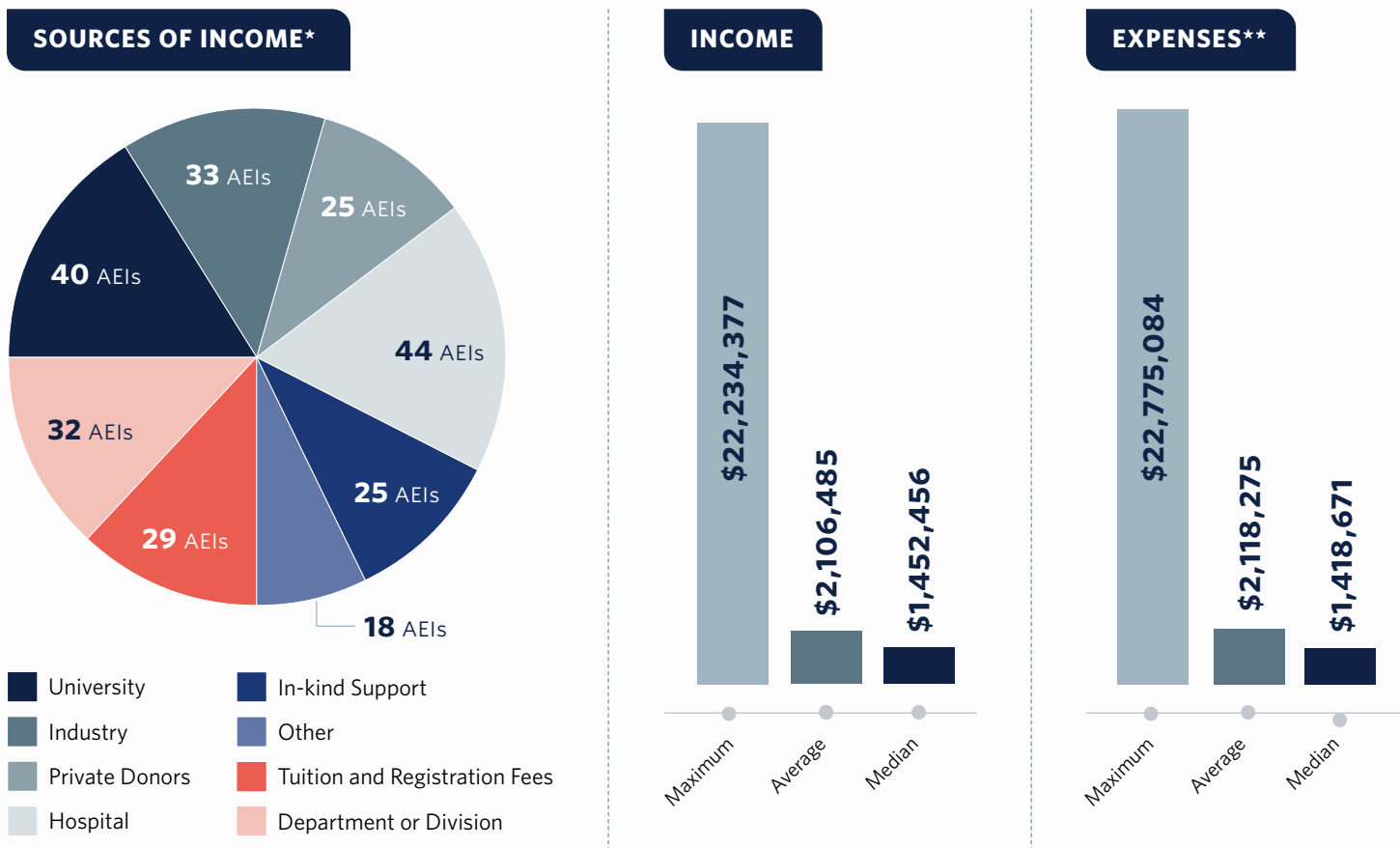
Comprehensive AEs are required to have no less than 1,200 square feet of contiguous space dedicated to education and training, and under the direct control of the Institute. Focused AEs are required to have 800 dedicated square feet.

## Amount of Contiguous Square Footage under the Direct Control of the AEI:



# Finances

AEIs provide budgetary information to confirm that resources are available to support the Institute.



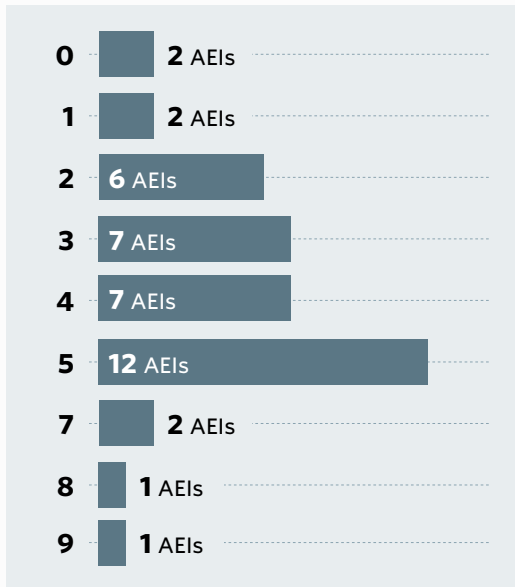
\*Respondents were allowed to select multiple sources of income.

\*\*Expenses are defined as staff salaries and benefits; space and facilities; purchases (supplies, equipment and capital) and "other." AEIs are not asked to report the sources of their expenses, unlike income, where the sources are reported.

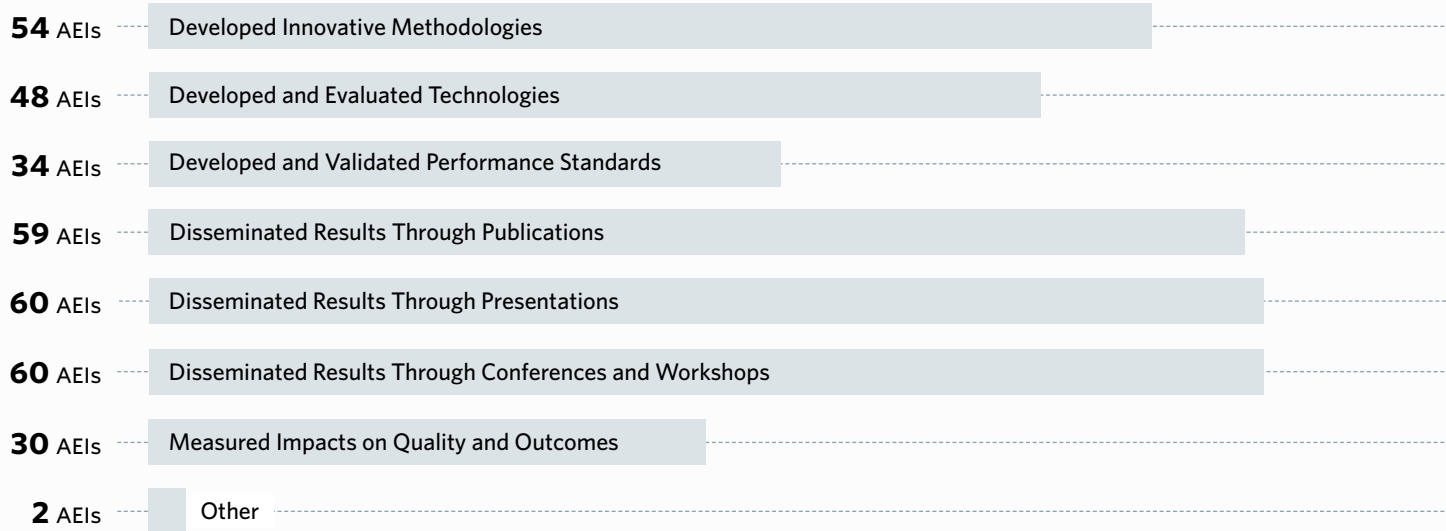
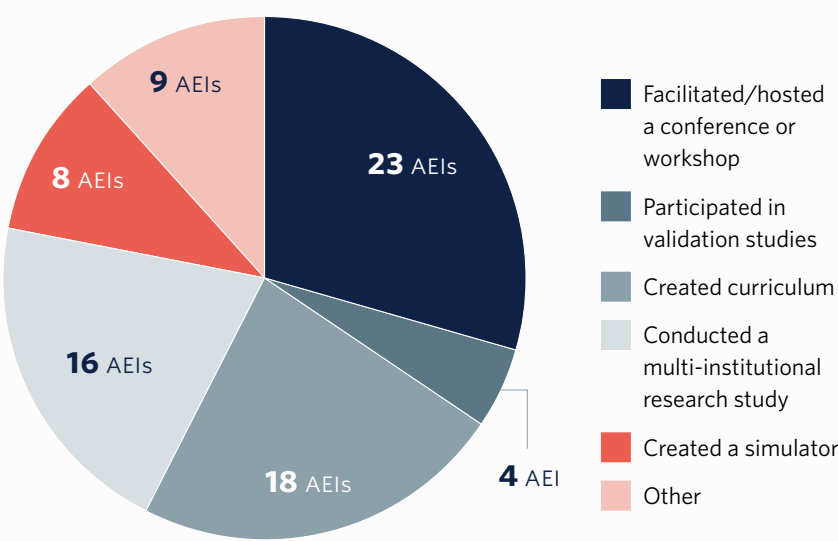
# Research, Scholarly Activities, and Collaboration

Comprehensive AElS are required to pursue research and other scholarly activities. While scholarly activity is not required of Focused AElS, they were asked to disclose their research activities for the purpose of this report.

## NUMBER OF RESEARCH OR SCHOLARLY ACTIVITIES



## COLLABORATIVE PROJECTS WITH OTHER AElS



## Key Data Points by Type—Comprehensive or Focused

TYPE	COMPREHENSIVE	FOCUSED
Number of AElS	59	5
Average Square Feet	28,654	2,404
Average Income	\$2,240,181	\$528,878
Average Expenses	\$2,256,235	\$490,343
Average Number of Full-Time Equivalents	15	3
Average Number of Learners	12,308	2,620
Average Number of Course Instructional Hours	10,762	771
Average Amount of <i>AMA PRA Category 1 Credit</i> <sup>™</sup>	343	4
Average Number of Curricula Developed or Adapted	16	1
Average Number of Research or Scholarly Activities	14	5

## Key Data Points by Affiliation\*

AFFILIATIONS	ACADEMIC TEACHING CENTER	COMMUNITY HOSPITAL	GOVERNMENT OR MILITARY CENTER	MEDICAL SCHOOL	HEALTHCARE DELIVERY SYSTEM
Number of AElS	35	3	6	9	11
Average Square Feet	34,321	4,179	16,931	15,899	22,194
Average Income	\$2,437,372	\$378,000	\$1,792,131	\$1,426,007	\$2,253,288
Average Expenses	\$2,501,688	\$376,333	\$1,814,972	\$1,413,485	\$2,115,481
Average Number of Full-Time Equivalents	15	2	21	8	18
Average Number of Learners	12,768	1,656	5,521	12,633	12,778
Average Number of Course Instructional Hours	11,964	676	3,493	2,032	16,257
Average Amount of <i>AMA PRA Category 1 Credit</i> <sup>™</sup>	279	0	155	58	820
Average Number of Curricula Developed or Adapted	11	2	32	8	25
Average Number of Research or Scholarly Activities	18	2	4	8	7

\*Data is reflective of Comprehensive and Focused AElS

## Key Data Points by Square Footage (Size)\*

SQUARE FOOT RANGE	0 to 999	1,000 to 2,999	3,000 to 4,999	5,000 to 6,999	7,000 to 8,999	9,000 to 10,999	11,000 to 19,999	20,000 to 24,999	25,000 to 49,999	50,000+
Average Square Feet	844	2,223	3,952	6,205	8,142	9,930	14,111	23,135	34,303	125,614
Number of AElS	2	2	6	6	8	10	7	5	11	7
Average Income	\$572,500	\$336,526	\$743,851	\$961,661	\$790,333	\$1,339,466	\$2,247,210	\$1,721,349	\$2,829,137	\$6,798,412
Average Expenses	\$505,000	\$328,228	\$797,421	\$980,741	\$742,886	\$1,331,117	\$2,422,938	\$1,762,156	\$2,888,049	\$6,634,288
Average Number of Full-Time Equivalents	3	1	3	9	9	7	12	25	22	35
Average Number of Learners	1,632	1,529	3,446	4,426	5,606	8,896	12,735	16,899	22,419	18,804
Average Number of Course Instructional Hours	1,029	513	1,814	9,026	5,099	8,102	20,292	24,586	13,424	5,180
Average Amount of AMA PRA Category 1 Credit™	0	0	13	5	93	69	104	1,582	710	322
Average Number of Curricula Developed or Adapted	2	1	6	28	32	6	19	8	9	20
Average Number of Research or Scholarly Activities	7	3	8	6	7	7	44	6	16	12

\*Data is reflective of Comprehensive and Focused AElS



# Membership Detailed

## UNITED STATES



- |                     |                                   |                     |                           |
|---------------------|-----------------------------------|---------------------|---------------------------|
| 1 Little Rock, AR   | 1 Atlanta, GA                     | 1 Bethesda, MD      | 1 Hershey, PA             |
| 1 Phoenix, AZ       | 1 Tripler Army Medical Center, HI | 1 Ann Arbor, MI     | 1 Johnstown, PA           |
| 3 Los Angeles, CA   | 1 Iowa City, IA                   | 1 Detroit, MI       | 3 Philadelphia, PA        |
| 1 Pasadena, CA      | 4 Chicago, IL                     | 1 Pontiac, MI       | 1 Nashville, TN           |
| 1 Sacramento, CA    | 1 Evanston, IL                    | 1 Royal Oak, MI     | 1 Knoxville, TN           |
| 1 San Diego, CA     | 1 Peoria, IL                      | 1 Minneapolis, MN   | 2 Dallas, TX              |
| 1 San Francisco, CA | 1 Indianapolis, IN                | 1 Rochester, MN     | 1 Galveston, TX           |
| 1 Stanford, CA      | 1 Fort Wayne, IN                  | 1 St. Louis, MO     | 1 Houston, TX             |
| 1 Parker, CO        | 1 Wichita, KS                     | 1 Omaha, NE         | 1 JBSA-Ft Sam Houston, TX |
| 1 Hartford, CT      | 2 New Orleans, LA                 | 1 Charlotte, NC     | 1 Temple, TX              |
| 2 Washington, DC    | 1 Shreveport, LA                  | 1 Durham, NC        | 1 Salt Lake City, UT      |
| 1 Newark, DE        | 2 Boston, MA                      | 1 Winston Salem, NC | 1 Falls Church, VA        |
| 1 Celebration, FL   | 1 Burlington, MA                  | 1 Morristown, NJ    | 1 Norfolk, VA             |
| 1 Tampa, FL         | 1 Springfield, MA                 | 1 Albuquerque, NM   | 1 Portsmouth, VA          |
|                     |                                   | 3 New York, NY      | 1 Richmond, VA            |
|                     |                                   | 1 Cleveland, OH     | 1 Burlington, VT          |
|                     |                                   | 2 Columbus, OH      | 1 Seattle, WA             |
|                     |                                   | 1 Toledo, OH        | 1 Tacoma, WA              |
|                     |                                   | 2 Portland, OR      | 1 Madison, WI             |
|                     |                                   | 1 Allentown, PA     |                           |

## EUROPE

- 1 Pleven, Bulgaria
- 1 Plovdiv, Bulgaria
- 1 Strasbourg, France
- 1 Pisa, Italy
- 1 Santander, Spain
- 1 Stockholm, Sweden
- 1 London, United Kingdom



## CANADA

- 1 London, Ontario
- 1 Toronto, Ontario
- 1 Montreal, Quebec



## SOUTH AMERICA

- 1 Barretos, Sao Paulo, Brazil



## MIDDLE EAST

- 1 Riyadh, Saudi Arabia
- 1 Dubai, United Arab Emirates



Some cities have multiple AElS, as indicated in the graphic above.



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