



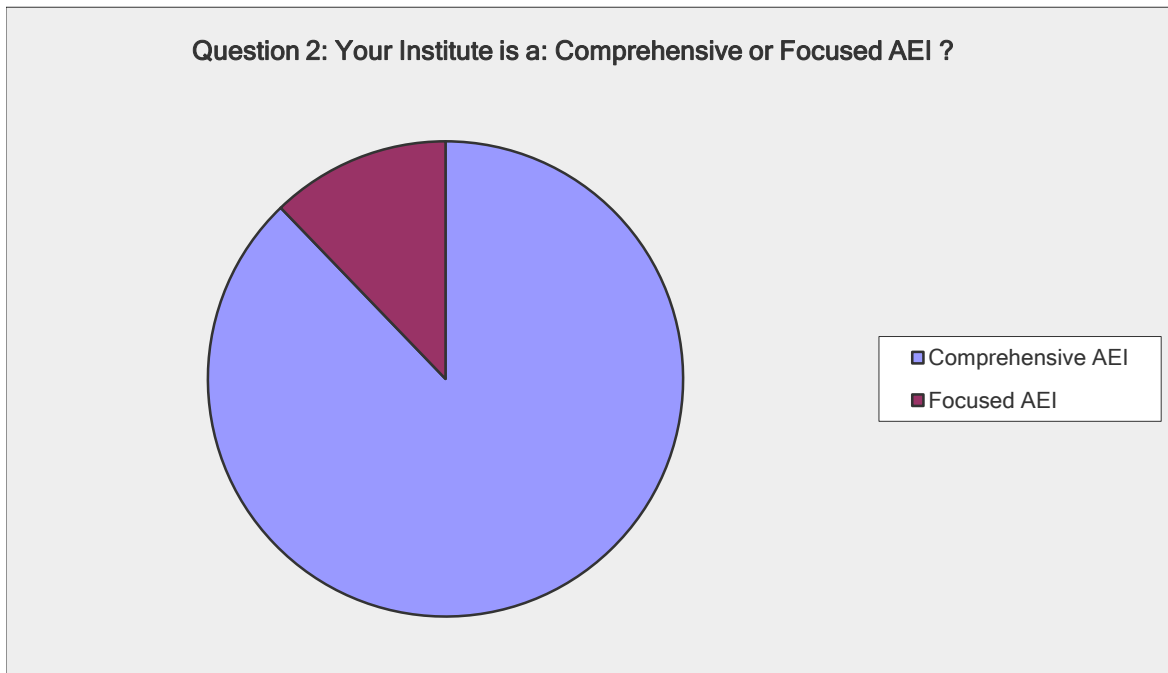
AMERICAN COLLEGE OF SURGEONS • DIVISION OF EDUCATION[®]
ACCREDITED EDUCATION INSTITUTES
ENHANCING PATIENT SAFETY THROUGH SIMULATION

2014 ACS AEI Annual Report Data Results

Description:

We are happy to present the findings from our 2014 Annual Report survey, which were unveiled at our 2015 Annual Consortium Meeting. Eighty-one institutes accredited as of the June 2014 cycle were asked to complete the report and we received a 91% response rate for the survey. We used Survey Monkey as the tool to collect the data. All questions required a response. Data provided reflects both responses from Comprehensive and Focused AElS unless noted.

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Your Institute is a:		
Answer Options	Response Percent	Response Count
Comprehensive AEI	87.8%	65
Focused AEI	12.2%	9
<i>answered question</i>		74
<i>skipped question</i>		0

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Question 3: Please complete the following demographics information about your AEI: % FTE for AEI Director protected time:

Answer Options	Response Percent	Response Count
1 - 25%		38
26 - 50%		17
51 - 75%		6
76 - 100%		13
		74

Question 4: Please complete the following demographics information about your AEI: % FTE for AEI Surgical Director protected time:

Answer Options	Response Percent	Response Count
1 - 10%		48
11 - 20%		12
21 - 30%		10
31 - 40%		2
41 - 50%		1
51 - 60%		0
61 - 70%		0
71 - 80%		1
		74

Question 5: Indicate the total number of FTEs at your AEI, excluding AEI Director and Surgical Director?

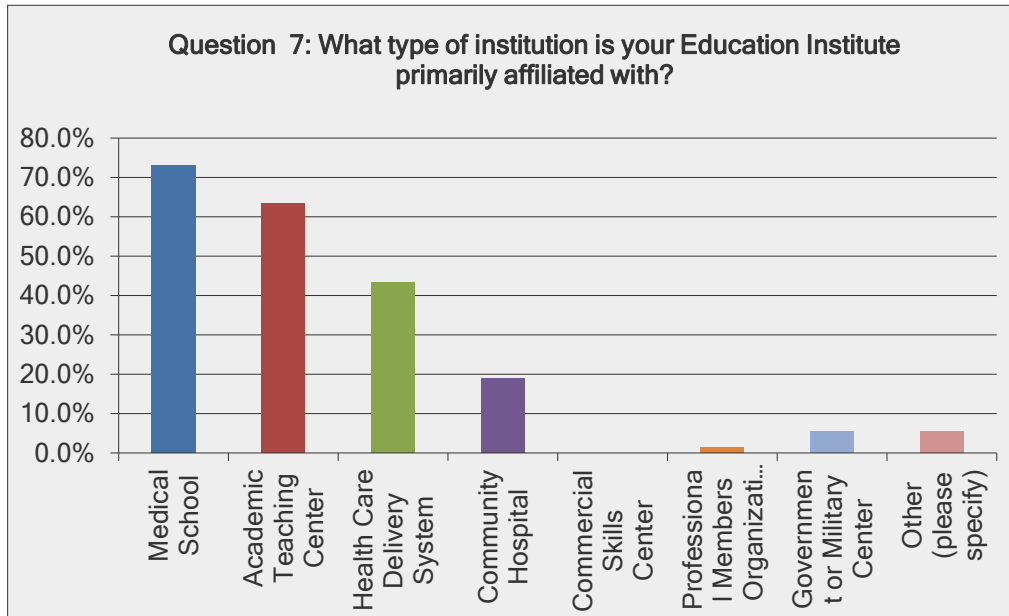
Answer Options	Response Count
Less than 1 FTE	3
1 - 5	31
5 - 10	21
11 - 15	12
16 - 20	3
21 - 25	2
26 - 30	0
More than 30 FTEs	2
	74

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Based on the total number of FTEs, how many people does this account for?

Answer Options	Response Count
Less than 1 FTE	1
1 - 5	30
6 - 10	20
11 - 15	10
16 - 20	5
21 - 25	2
26 - 30	4
31 - 35	0
36 - 40	0
41 - 45	1
46 - 50	0
Greater than 50 FTEs	1
	74
<i>answered question</i>	74
<i>skipped question</i>	0

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What type of institution is your Education Institute primarily affiliated with? **By affiliated, we mean which of the groups listed above does your AEI most associated itself with due to any of the following relationships, sharing of physical space, sharing of a common governance structure or being financially underwritten.**

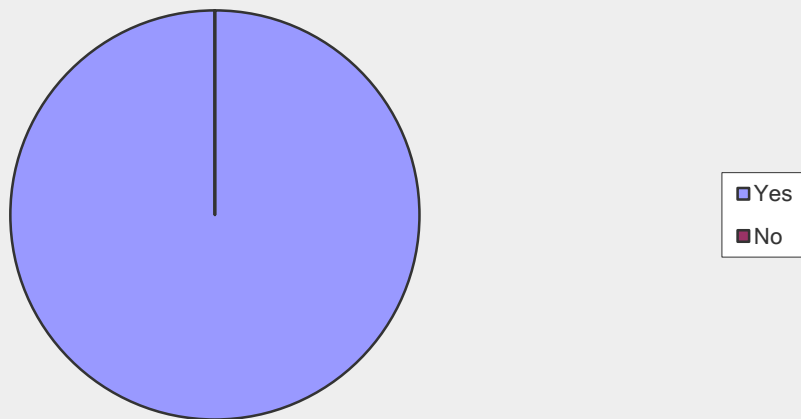
Answer Options	Response Percent	Response Count
Medical School	73.0%	54
Academic Teaching Center	63.5%	47
Health Care Delivery System	43.2%	32
Community Hospital	18.9%	14
Commercial Skills Center	0.0%	0
Professional Members Organization	1.4%	1
Government or Military Center	5.4%	4
Other (please specify)	5.4%	4
answered question		74
skipped question		0

Other:

CMS is an independent non profit, Military hospital, Independent academic medical center and We are a merged program with the university and hospital.

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Question 8: Does your AEI, based on whether it is a Comprehensive Center (1200 + 4000 = 5200 sq. ft) or Focused Center (800 sq. ft.) institute meet the minimum threshold requirements of space?



Does your AEI, based on whether it is a Comprehensive Center (1200 + 4000 = 5200 sq. ft) or Focused Center (800 sq. ft.) institute meet the minimum threshold requirements of

Answer Options	Response Percent	Response Count
Yes	100.0%	74
No	0.0%	0
<i>answered question</i>		74
<i>skipped question</i>		0

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Question 9: List the total amount of Contiguous Space under the direct control of the AEI:

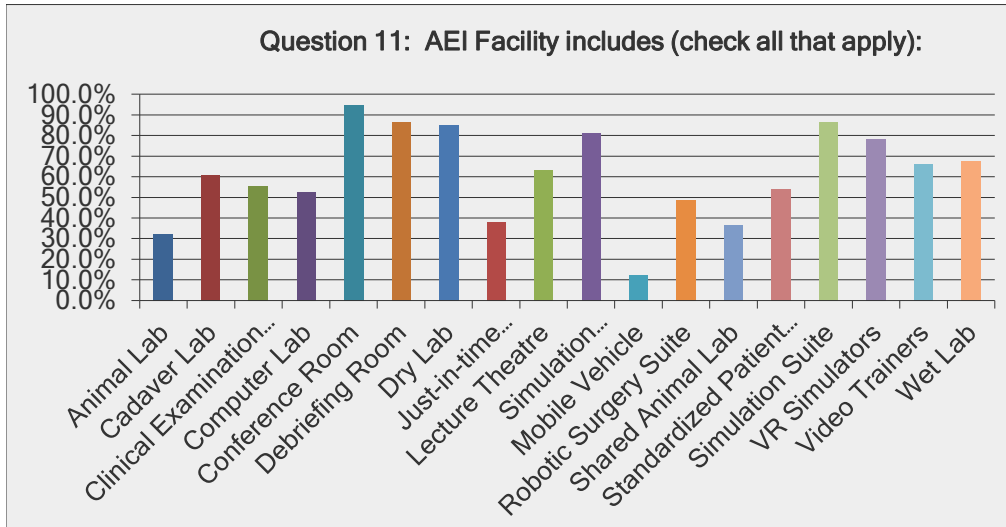
Answer Options	Answer Options	Response Count
1 - 2,500		16
2,501 - 5,000		8
5,001 - 7,500		14
7,501 - 10,000		9
10,001 - 12,500		4
12,501 - 15,000		7
15,001 - 17,500		2
17,501 - 20,000		2
20,001 - 22,500		2
22,501 - 25,000		0
25,001 - 27,500		1
27,501 - 30,000		3
30,001 - 32,500		0
32,501 - 35,000		1
35,001 or Greater		5
		74

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Question 10: List the total amount of Additional Space:

Answer Options	Response Count
0	11
1 - 500	8
501 - 1,000	5
1,001 - 1,500	3
1,501 - 2,000	4
2,001 - 2,500	3
2,501 - 3,000	1
3,001 - 3,500	3
3,501 - 4,000	1
4,001 - 4,500	2
4,501 - 5,000	3
5,001 - 5,500	0
5,501 - 6,000	0
6,001 - 6,500	3
6,501 - 7,000	3
7,001 - 7,500	0
7,501 - 8,000	0
8,001 - 8,500	1
8,501 - 9,000	0
9,001 - 9,500	0
9,501 - 10,000	6
10,001 - 10,500	1
10,501 - 11,000	0
11,001 - 11,500	0
11,501 - 12,000	1
12,001 - 12,500	0
12,501 - 13,000	0
13,001 - 13,500	0
13,501 - 14,000	0
14,001 - 14,500	1
14,501 - 15,000	5
15,001 - 15,500	0
15,501 - 16,000	1
16,001 or Greater	8
	74

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AEI Facility includes (check all that apply):

Answer Options	Response Percent	Response Count
Animal Lab	32.4%	24
Cadaver Lab	60.8%	45
Clinical Examination Room	55.4%	41
Computer Lab	52.7%	39
Conference Room	94.6%	70
Debriefing Room	86.5%	64
Dry Lab	85.1%	63
Just-in-time Simulation Center	37.8%	28
Lecture Theatre	63.5%	47
Simulation Operating Suite	81.1%	60
Mobile Vehicle	12.2%	9
Robotic Surgery Suite	48.6%	36
Shared Animal Lab	36.5%	27
Standardized Patient Suites	54.1%	40
Simulation Suite	86.5%	64
VR Simulators	78.4%	58
Video Trainers	66.2%	49
Wet Lab	67.6%	50
Other (please specify):		11
answered question		74
skipped question		0

Other:

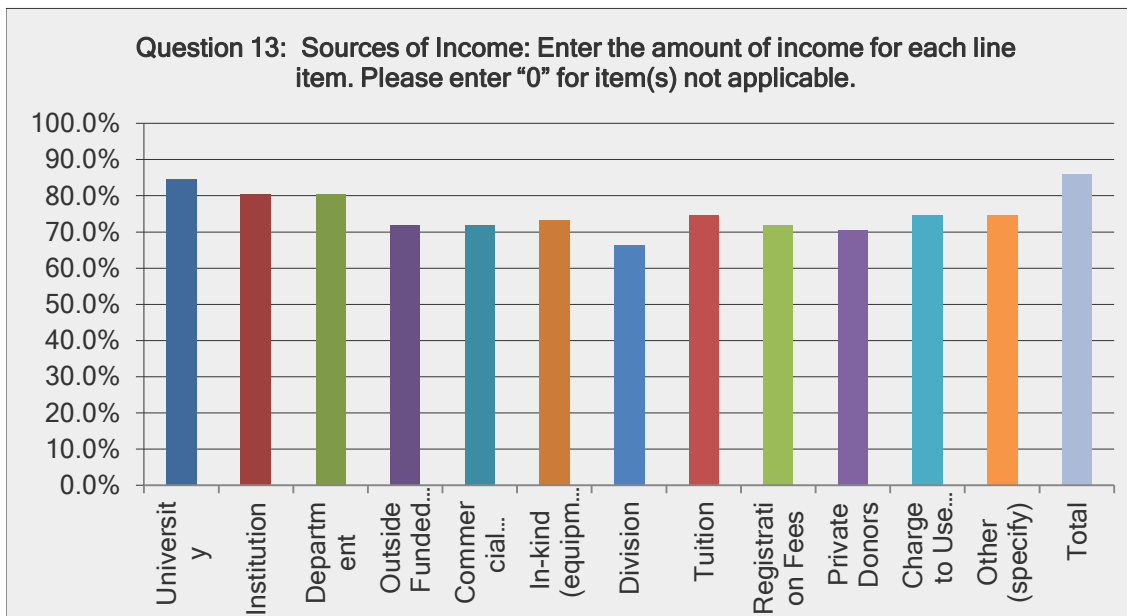
Team training room, Lap/Endo room, we also run simulations in-situ in L&D OR, Peds Trauma bays, Trauma bays, ICU, Patient room; Microscopy lab, SonoSim U/S simulators, DxR, Robotic trainers, Robotic simulators, Dental room, Usability lab, Procedure room, and We have access to cadaver and animal lab facilities for our courses, but those labs are under separate management.

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Question 12: What is your Annual Budget (income and expenses) for your AEI? For international AEIs please express your annual budget in US \$ equivalent.

Answer Options	Response Count
Under \$100,000	2
\$100,000 - \$250,000	4
\$250,001 - \$500,000	11
\$500,001 - \$750,000	12
\$750,001 - \$1,000,000	6
\$1,000,001 - \$1,250,000	6
\$1,250,001 - \$1,500,000	8
\$1,500,001 - \$1,750,000	4
\$1,750,001 - \$2,000,000	4
\$2,000,001 - \$2,250,000	3
\$2,250,001 - \$2,500,000	2
\$2,500,001 - \$2,750,000	1
\$2,750,001 - \$3,000,000	2
\$3,000,001 - \$3,250,000	0
\$3,250,001 - \$3,500,000	0
\$3,500,001 - \$3,750,000	0
\$3,750,001 - \$4,000,000	1
\$4,000,001 - \$4,250,000	0
\$4,250,001 - \$4,500,000	0
\$4,500,001 - \$4,750,000	0
\$4,750,001 - \$5,000,000	0
\$5,000,001 - \$5,250,000	0
\$5,250,001 - \$5,500,000	0
\$5,500,001 - \$5,750,000	1
\$5,750,001 - \$6,000,000	0
Greater than \$6,000,000	4
	71
<i>answered question</i>	71
<i>skipped question</i>	3

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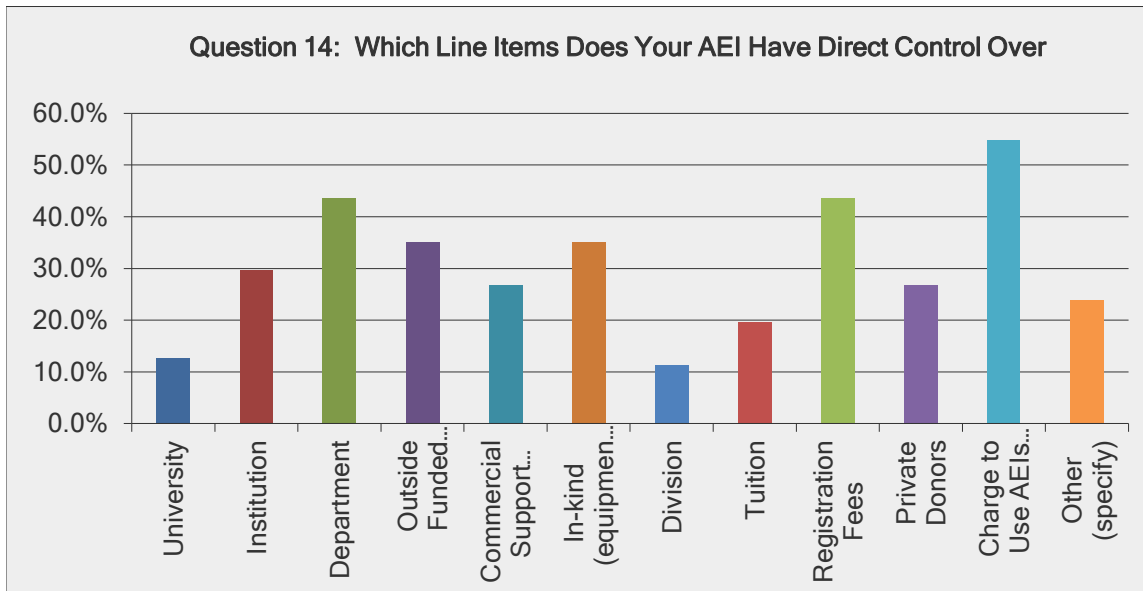
Sources of Income: Enter the amount of income for each line item. Please enter "0" for item(s) not applicable.

Answer Options	Response Percent	Response Count
University	84.5%	60
Institution	80.3%	57
Department	80.3%	57
Outside Funded Grants	71.8%	51
Commercial Support Grants	71.8%	51
In-kind (equipment) Grants	73.2%	52
Division	66.2%	47
Tuition	74.6%	53
Registration Fees	71.8%	51
Private Donors	70.4%	50
Charge to Use AEIs (Internal or External)	74.6%	53
Other (specify)	74.6%	53
Total	85.9%	61
answered question		71
skipped question		3

Other:

\$148,000 (proceeds from HSS Autumn Benefit), \$200,000 (parking, rent), \$23,200 (Washington Manual of Surgery Royalties), \$253,855 (Physician Faculty Practice Group), \$54,000 (Hospital), \$643,000 (One time plus for FY15), \$24,000 (Industry), \$248,000 (Endowment), \$347,000 SEK (Industry), \$4,300 (Use of SPs), \$57,307 (Capital budget), \$77,000 (Industry grants), \$84,000 (MISC sales and services, sale of technical services), \$153,550 (External contracts), \$410,065 (Hospital), \$403,396 (Investments), \$2,332,000 (Regional Council) and #122,590 (Rollover).

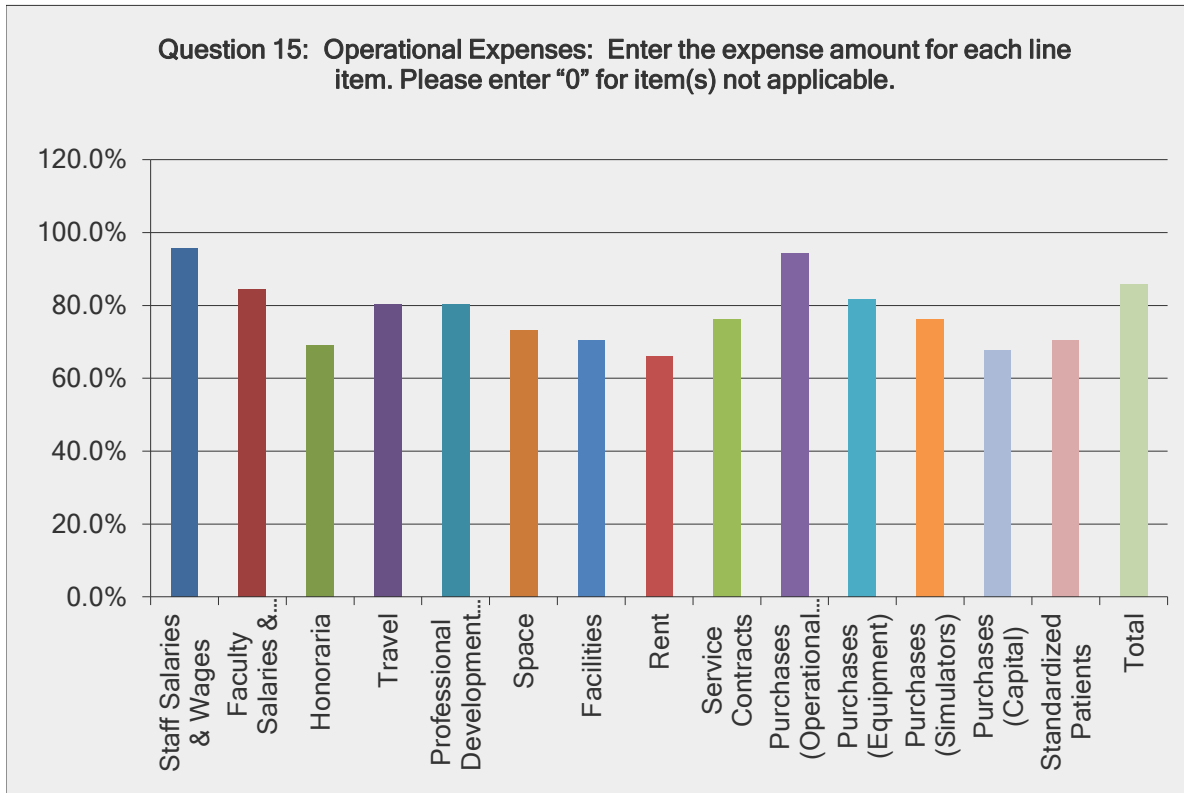
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Which Line Items Does Your AEI Have Direct Control Over

Answer Options	Response Percent	Response Count
University	12.7%	9
Institution	29.6%	21
Department	43.7%	31
Outside Funded Grants	35.2%	25
Commercial Support Grants	26.8%	19
In-kind (equipment) Grants	35.2%	25
Division	11.3%	8
Tuition	19.7%	14
Registration Fees	43.7%	31
Private Donors	26.8%	19
Charge to Use AEIs (Internal or External)	54.9%	39
Other (specify)	23.9%	17
<i>answered question</i>		71
<i>skipped question</i>		3

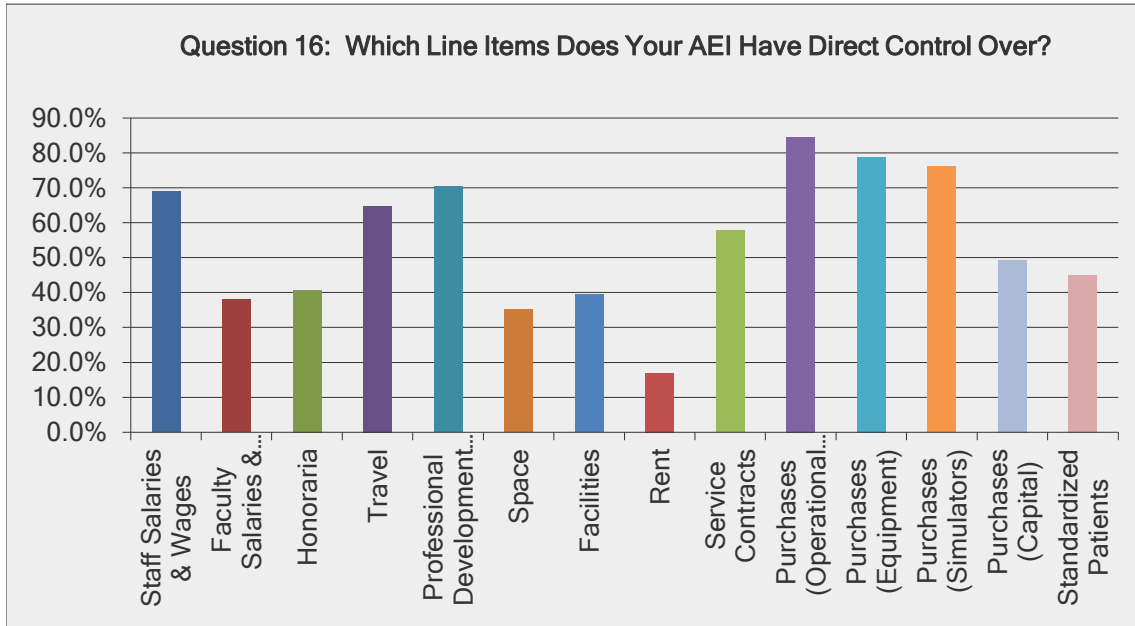
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Operational Expenses: Enter the expense amount for each line item. Please enter "0" for item(s) not applicable.

Answer Options	Response Percent	Response Count
Staff Salaries & Wages	95.8%	68
Faculty Salaries & Wages	84.5%	60
Honoraria	69.0%	49
Travel	80.3%	57
Professional Development Meetings	80.3%	57
Space	73.2%	52
Facilities	70.4%	50
Rent	66.2%	47
Service Contracts	76.1%	54
Purchases (Operational Supplies)	94.4%	67
Purchases (Equipment)	81.7%	58
Purchases (Simulators)	76.1%	54
Purchases (Capital)	67.6%	48
Standardized Patients	70.4%	50
Total	85.9%	61
<i>answered question</i>		71
<i>skipped question</i>		3

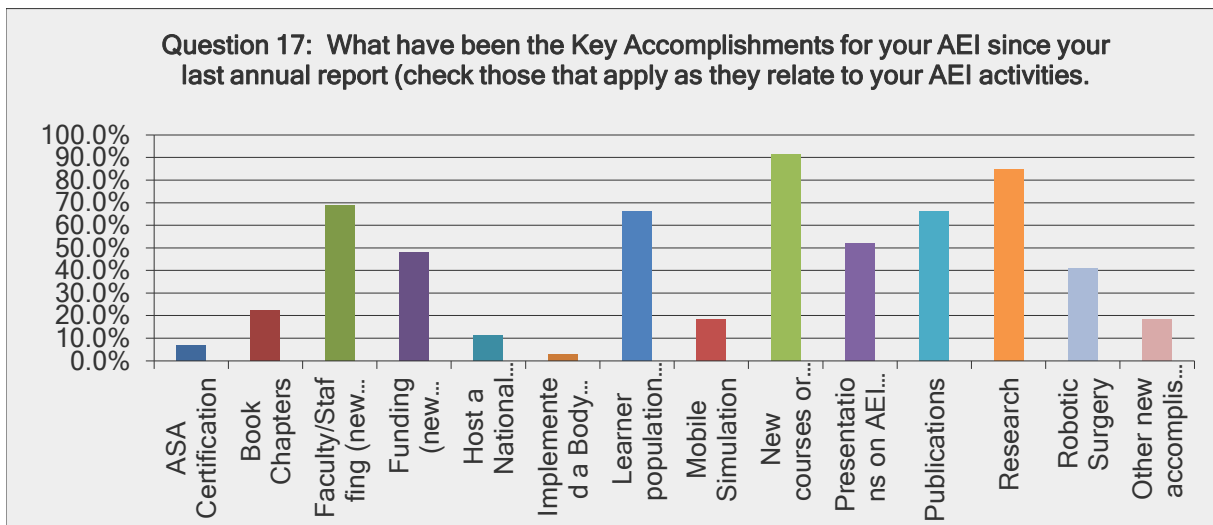
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Which Line Items Does Your AEI Have Direct Control Over?

Answer Options	Response Percent	Response Count
Staff Salaries & Wages	69.0%	49
Faculty Salaries & Wages	38.0%	27
Honoraria	40.8%	29
Travel	64.8%	46
Professional Development Meetings	70.4%	50
Space	35.2%	25
Facilities	39.4%	28
Rent	16.9%	12
Service Contracts	57.7%	41
Purchases (Operational Supplies)	84.5%	60
Purchases (Equipment)	78.9%	56
Purchases (Simulators)	76.1%	54
Purchases (Capital)	49.3%	35
Standardized Patients	45.1%	32
<i>answered question</i>		71
<i>skipped question</i>		3

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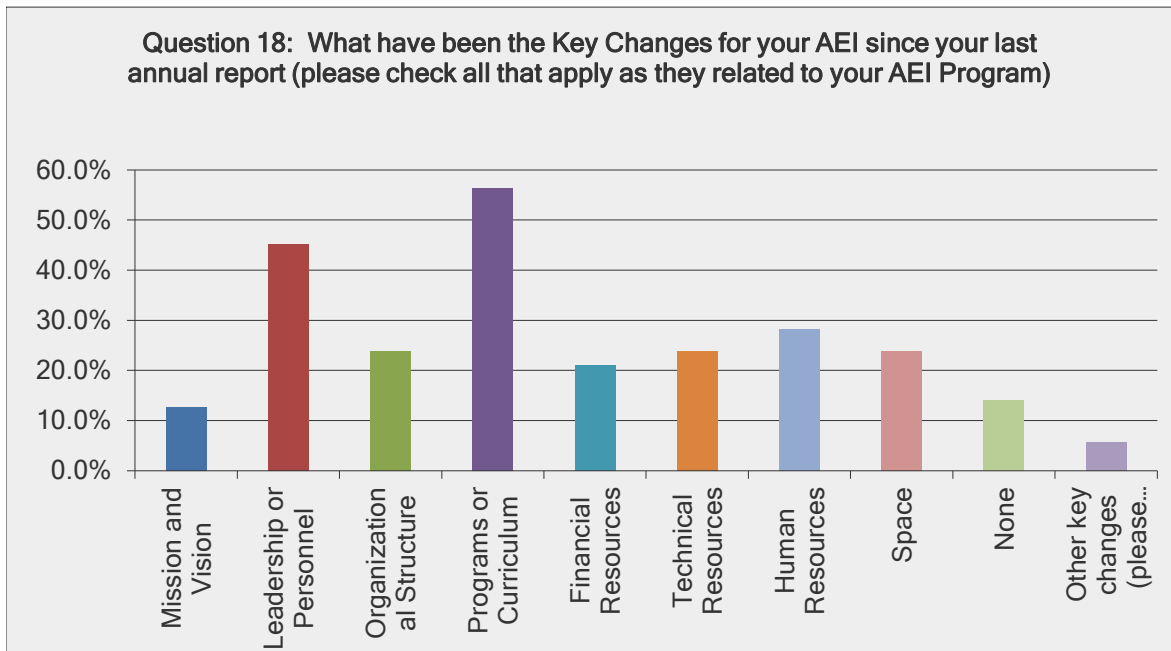
What have been the Key Accomplishments for your AEI since your last annual report (check those that apply as they relate to your AEI activities.)

Answer Options	Response Percent	Response Count
ASA Certification	7.0%	5
Book Chapters	22.5%	16
Faculty/Staffing (new staffing, faculty, etc)	69.0%	49
Funding (new source of funding/grants)	47.9%	34
Host a National Meeting	11.3%	8
Implemented a Body Donation Program	2.8%	2
Learner population (increased, diversified or new learner groups)	66.2%	47
Mobile Simulation	18.3%	13
New courses or curriculum	91.5%	65
Presentations on AEI activities	52.1%	37
Publications	66.2%	47
Research	84.5%	60
Robotic Surgery	40.8%	29
Other new accomplishments (please specify)	18.3%	13
answered question		71
skipped question		3

Other:

Successful capital campaign to fund renovation of new sim center, Developed Simulator Value Index for ACS and presented, FES test site, Re-entry to practice and preceptorship programs, Telementoring, Appointment of faculty on ACS AEI Curriculum Committee, Expanded standardized patient program, Hosted ACS reural surgery simulation session, Videos for ACS, SSH accreditation, FES testing center designation, Participation in the Fundamentals of Robotic Surgery validation study, Accredited by ACS AEI this year, Acquisition of simulation training equipment (1 Lap, VR simulator and 5 video trainers) and Large Intuitive surgical grant.

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What have been the Key Changes for your AEI since your last annual report (please check all that apply as they related to your AEI Program)

Answer Options	Response Percent	Response Count
Mission and Vision	12.7%	9
Leadership or Personnel	45.1%	32
Organizational Structure	23.9%	17
Programs or Curriculum	56.3%	40
Financial Resources	21.1%	15
Technical Resources	23.9%	17
Human Resources	28.2%	20
Space	23.9%	17
None	14.1%	10
Other key changes (please specify)	5.6%	4
answered question		71
skipped question		3

Other:

Equipment purchases, PhD educator support increase across programs, New president of university and Incorporated two smaller skills centres in two nearby city hospitals in the health care region.

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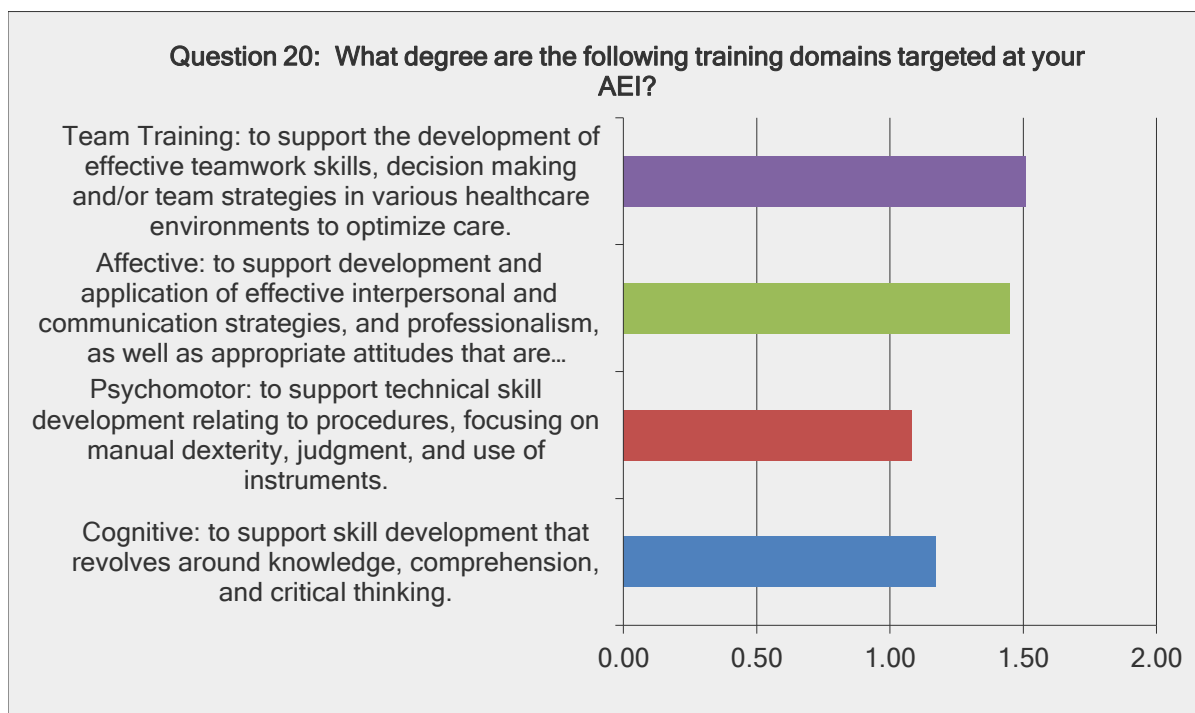
Question 19: Learner Groups - Check all Learner Groups that Your AEI Serves and List the Top Five Groups by Percentage.

Answer Options	Learner Groups - Check all Learner Groups that Your AEI Serves.	Select the Top Five Groups By Percentage next to the Group in the Chart.	Response Count
Administrative Personnel	18	1	18
Allied Health Professionals	58	20	58
Allied Health Professional Students	42	5	42
Community Members	32	0	32
Dietary and Support Workers	10	0	10
Environmental Professionals	5	0	5
Ethics Staff	5	0	5
Fellows	63	14	63
Health Systems Managers	13	0	13
Health Systems Administrators	14	0	14
High Schools Students	49	4	49
Industry and Sales Representatives	35	5	35
Medical School Students	69	57	69
Military Personnel	20	4	20
Nurse	64	42	64
Nurses Practitioners	46	4	46
Nursing Students	44	9	44
PA Students	35	9	35
Paramedics	38	4	38
Pastoral Care Staff	5	0	5
Patients	4	0	4
Physicians from Other Disciplines	63	20	63
Pre-Med Students	32	1	32
Researchers	38	3	38
Residents from Other Disciplines	66	50	66
Risk Managers	10	0	10
Scholars	8	0	8
Surgeons in Practice	65	28	65
Surgical Residents	70	59	70
Undergraduates	36	3	36
Others (please specify)			8
<i>answered question</i>			71
<i>skipped question</i>			3

Other:

Physician assistants (top 5), Art therapy students, Surgical assistant students, CRNA students, ACP Fellows, Mobile in-situ teams, Disaster/Infection control/Hazmat team, Dental residents, Veterinary medicine surgical residents, Human factors professionals, Usability, Industry training, Border patrol (BORSTAR), Fed fire trauma training, DEA and US Marshalls.

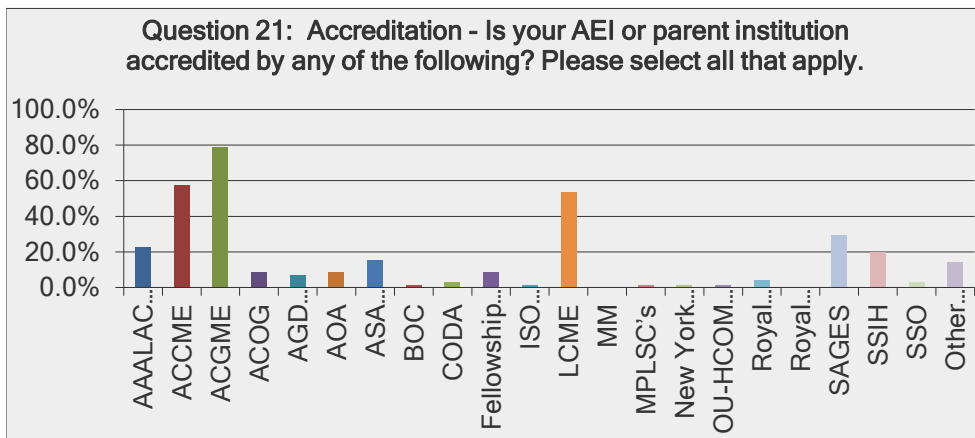
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What degree are the following training domains targeted at your AEI?

Answer Options	1=Very Significant Target	2=Moderately Significant Target	3=Minimally Significant Target	4=Not Offered	Rating Average	Response Count
around knowledge, comprehension, and critical	59	12	0	0	1.17	71
relating to procedures, focusing on manual dexterity,	66	4	1	0	1.08	71
effective interpersonal and communication strategies,	43	25	2	1	1.45	71
teamwork skills, decision making and/or team	40	26	5	0	1.51	71
<i>answered question</i>						71
<i>skipped question</i>						3

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Accreditation - Is your AEI or parent institution accredited by any of the following? Please select all that apply.

Answer Options	Response Percent	Response Count
AAALAC (Association for Assessment & Accreditation of Laboratory Animal Care)	22.5%	16
ACCME	57.7%	41
ACGME	78.9%	56
ACOG	8.5%	6
AGD (Academy of General Dentistry)	7.0%	5
AOA	8.5%	6
ASA (endorsed center)	15.5%	11
BOC	1.4%	1
CODA	2.8%	2
Fellowship Council	8.5%	6
ISO Certification by TUV Hellas	1.4%	1
LCME	53.5%	38
MM	0.0%	0
MPLSC's	1.4%	1
New York APTA	1.4%	1
OU-HCOM OPTI (CORE)	1.4%	1
Royal College of Physicians and Surgeons of Canada	4.2%	3
Royal College of Surgeons (United Kingdom)	0.0%	0
SAGES	29.6%	21
SSIH	19.7%	14
SSO	2.8%	2
Other (please specify)	14.1%	10
answered question		71
skipped question		3

Other:

Regional Ministry as accredited center for the use of animal experimentation; Individual training activities accredited by (as relates) the Continuing Education Committee, American Heart Association, Spanish Society of Cardiology; ASHI, Received full hospital-wide accreditation from the joint commission, Accredited by the Metabolic and Bariatric Surgery Accreditation and Quality Improvement Program (MBSAQIP), Accredited with commendation by the ACS Commission on Cancer, ACS committee on Trauma, American Heart Association, National Commission for Academic Assessment and Accreditation, Saudi Heart Association, Accreditation Canada, Society for Laparoscopic Surgeons-Fellowship endorsed.

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Question 22: Resources - What Resources/Equipment does your center use as Simulators (Please Check All that Apply).

Answer Options	Response Percent	Response Count
ACLS simulator	62.0%	44
Adult heart models	36.6%	26
Adult Mannequin	90.1%	64
Airway maintenance trainers	83.1%	59
Anatomage table	2.8%	2
Anesthesia simulator	50.7%	36
Animal models	47.9%	34
Arthroscopic knee simulator	33.8%	24
Baby Hal	32.4%	23
Baby trainers	67.6%	48
Benchtop Skills Trainers in intestinal, surgery	60.6%	43
Benchtop Skills Trainers in vascular surgery	50.7%	36
Benchtop Skills Trainers in gynecologic surgery	39.4%	28
Birthing Mannequin	66.2%	47
Bronchoscopic	73.2%	52
Cadavers	66.2%	47
Cardiac bypass pump simulator	15.5%	11
Cardiopulmonary	16.9%	12
Child mannequin	69.0%	49
Cric simulators	64.8%	46
Cut suit	7.0%	5
Daisy models	11.3%	8
Endoscopic trainers	83.1%	59
Endoscopic vein harvesting	7.0%	5
Endourological trainer	22.5%	16
Endovascular trainers	40.8%	29
Femoral artery cannulation model	35.2%	25
FLS trainer box	88.7%	63
GI Mentor	63.4%	45
Holograms	1.4%	1
Human Patient simulators	73.2%	52
Hysteroscopic trainer	32.4%	23
Immersive Touch VR	12.7%	9
Infant Mannequin	70.4%	50
iPad apps	19.7%	14
Lap Sim	47.9%	34
Laparoscopic tower	81.7%	58
Laparoscopic VR trainer	62.0%	44
Neurosurg trainer	7.0%	5
Noelle Birthing Simulator	46.5%	33
Novel physical models and mannequins	35.2%	25
Obstetric	52.1%	37
Open-vascular (AAA and Carotid) task trainer	15.5%	11
Ophthalmic VR trainer	14.1%	10

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Question 22 cont.: Resources - What Resources/Equipment does your center use as Simulators (Please Check All that Apply).

Answer Options	Response Percent	Response Count
Pediatric heart model	4.2%	3
Pericardiocentesis	38.0%	27
Pig tissues with simulated cases	59.2%	42
Pneumatically Driven Off Pump CABG trainer	2.8%	2
Robotic simulator	66.2%	47
Standardized Patients	63.4%	45
Task trainers	85.9%	61
Transesophageal echocardiography (TEE) simulator	26.8%	19
Trauma Man	62.0%	44
Tumor models	11.3%	8
Ultrasound VR	60.6%	43
UT models	8.5%	6
Other (please specify)	11.3%	8
<i>answered question</i>		71
<i>skipped question</i>		3

Other:

Trauma child, Ventilator with mechanical lung, Ultrasound machine and ultrasound compatible mannequins, Brachial nerve block US trainer, Advanced suture trainer, thoracotomy simulator, dV-Trainer simulator by Mimic, FRS trainer, Ortho box trainer, Throacentesis model, Pneumothorax model, Trauma man, Catastrophic event

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Question 23: Resources - What Resources/Equipment does your center use as Task Trainers? (Check all that Apply)

Answer Options	Response Percent	Response Count
AAA	19.7%	14
Abdominal aortic aneurysm repair box trainer	14.1%	10
ABG	33.8%	24
Adult airway trainers	78.9%	56
Advanced urethral cauterization trainer	32.4%	23
Arterial line	63.4%	45
Bladder catheterization	63.4%	45
Bone plating	8.5%	6
Breast models	53.5%	38
Bronchoscopy	57.7%	41
Cardiothoracic trainer	19.7%	14
Carotidendarterectomy	7.0%	5
Central Line trainer	88.7%	63
Chest tube/pericardiocentesis	81.7%	58
C-section abdominal trainer	25.4%	18
Diagnostic peritoneal lavage trainer	35.2%	25
Episiotomy trainers	28.2%	20
Epistaxis	11.3%	8
Eye exam	26.8%	19
Foley catheter	71.8%	51
FRS trainer	21.1%	15
Fundoscopy	14.1%	10
Gastrostomy trainer	11.3%	8
GI Mentor	62.0%	44
Groin	21.1%	15
Head trauma trainers	16.9%	12
Injection trainers	52.1%	37
IO bone	43.7%	31
IO trainers	50.7%	36
IV	67.6%	48
IV arm task trainers	77.5%	55
Joint injection models	42.3%	30
Knee injection/aspiration	45.1%	32
Knee tap	22.5%	16
Knot tying trainers	84.5%	60
Lap Mentor	49.3%	35
Laparoscopic box trainers	91.5%	65
Laparotomy	35.2%	25

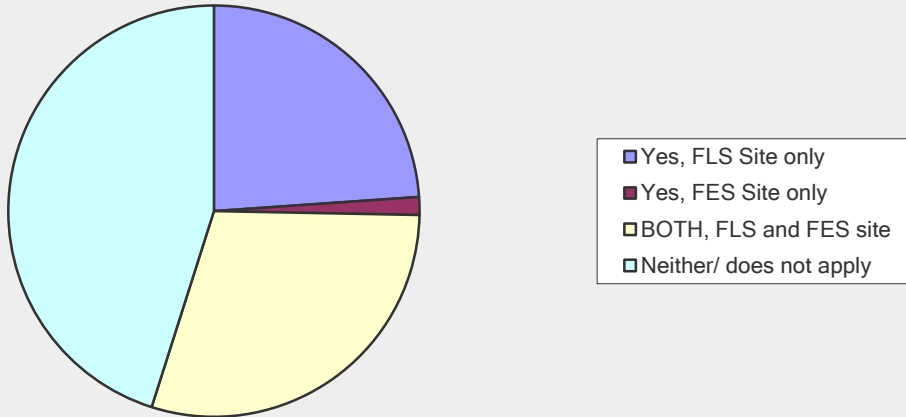
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Question 23 cont.: Resources - What Resources/Equipment does your center use as Task Trainers? (Check all that Apply)		
Answer Options	Response Percent	Response Count
LP trainers	67.6%	48
Multiple intubation heads	69.0%	49
NG tube	66.2%	47
Novel physical models	38.0%	27
Novel physical models	38.0%	27
Obstetrical pelvic task trainer	57.7%	41
Open surgical trainers	42.3%	30
Ortho box trainer	7.0%	5
Paracentesis	49.3%	35
Pediatric airway trainers	56.3%	40
Peripheral IV trainers	70.4%	50
Peripheral vascular task trainers	39.4%	28
Phlebotomy	53.5%	38
Physical exam trainer	33.8%	24
Pneumothorax	43.7%	31
Radial arterial lines trainer	45.1%	32
Saw Bones	38.0%	27
Shoulder dystocia simulator (CMS design; integrated into	40.8%	29
Sports arthroscopic simulator	16.9%	12
Suturing training devices	85.9%	61
Thoracentesis	64.8%	46
Thoracotomy	26.8%	19
Trauma child	23.9%	17
Trauma Man	62.0%	44
Ultrasound trainers	81.7%	58
Urinary catheter trainers	60.6%	43
Uro Mentor	14.1%	10
Uterine compression suture trainer	2.8%	2
Venipuncture	57.7%	41
VR simulator for intravenous cannulation	15.5%	11
Wound care trainers	25.4%	18
Other (please specify)	2.8%	2
	answered question	71
	skipped question	3

*Other:
Central line, LP trainers
and Homemade models,
i.e. Chest tube, cric, trach.*

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Question 24: Are you an FLS/FES Test site? Please check the boxes below.



Are you an FLS/FES Test site? Please check the boxes below.

Answer Options	Response Percent	Response Count
Yes, FLS Site only	23.9%	17
Yes, FES Site only	1.4%	1
BOTH, FLS and FES site	29.6%	21
Neither/ does not apply	45.1%	32
<i>answered question</i>		71
<i>skipped question</i>		3

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Question 25: Total number of courses** ** Every educational activity offered needs to be counted as 1 course, even if the same activity is offered multiple times throughout the year.

Answer Options	Response Count
1 - 200	27
201 - 400	17
401 - 600	9
601 - 800	6
801 - 1,000	2
1,001 - 1,200	5
1,201 - 1,400	3
1,401 - 1,600	0
1,601 - 1,800	0
1,801 - 2,000	0
2,001 - 2,200	0
2,201 - 2,400	0
2,401 - 2,600	1
	70
<i>answered question</i>	70
<i>skipped question</i>	4

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Question 26: Total course hours** **Add the number of hours offered for each activity listed on the AEI Activity Form to get a cumulative number.

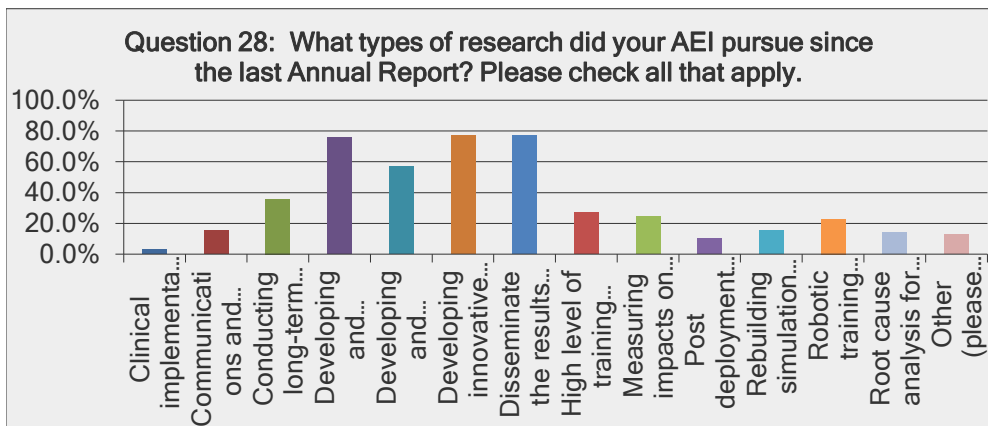
Answer Options	Response Count
1 - 500	15
501 - 1,000	5
1,001 - 1,500	7
1,501 - 2,000	5
2,001 - 2,500	5
2,501 - 3,000	2
3,001 - 3,500	4
3,501 - 4,000	2
4,001 - 4,500	4
4,501 - 5,000	1
5,001 - 5,500	1
5,501 - 6,000	1
6,001 - 6,500	0
6,501 - 7,000	3
7,001 - 7,500	2
10,000 or Greater	11
	68
<i>answered question</i>	70
<i>incorrect answer</i>	2

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Question 27: Total number of learners ** Each person should be counted as one learner for every activity that he or she participated in at the AEI, even if the same person participated in multiple activities during the year. Based on the AEI Activity Form, you are asked to indicate the total number of learners for each of the following groups, Surgeons in Practice; Physicians; Residents; Medical Students; Allied Health Professionals; Nurses and Other for each activity. Add the number of learners from each column to determine the cumulative number for each learner group. Then add all the cumulative learner groups together and that provides the total number of learners for the year.**

Answer Options	Response Count
1 - 500	6
501 - 1,000	4
1,001 - 1,500	3
1,501 - 2,000	4
2,001 - 2,500	6
2,501 - 3,000	3
3,001 - 3,500	4
3,501 - 4,000	2
4,001 - 4,500	3
4,501 - 5,000	2
5,001 - 5,500	0
5,501 - 6,000	5
6,001 - 6,500	2
6,501 - 7,000	2
7,001 - 7,500	1
7,501 - 8,000	1
8,001 - 8,500	3
8,501 - 9,000	0
9,001 - 9,500	0
9,501 - 10,000	1
10,001 - 10,500	2
10,501 - 11,000	2
11,001 - 11,500	1
11,501 - 12,000	1
12,001 - 12,500	0
12,501 - 13,000	0
13,001 - 13,500	0
13,501 - 14,000	0
14,001 - 14,500	2
14,501 - 15,000	0
Greater than 15,000	8
	68
<i>answered question</i>	70
<i>skipped question</i>	4
<i>incorrect answer</i>	2

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What types of research did your AEI pursue since the last Annual Report? Please check all that apply.

Answer Options	Response Percent	Response Count
standardized training in simulation	2.9%	2
Communications and...	15.7%	11
Conducting long-term follow-up of learners and assessment of outcomes	35.7%	25
Developing and evaluating technologies for education, training and assessment methods to assess competency	75.7%	53
Developing and...	57.1%	40
Developing innovative methodologies for education, training, and assessment presentations, and participation in conferences and workshops	77.1%	54
High level of training labs utilizing a mix of animal training simulation	27.1%	19
Measuring impacts on quality and outcomes	24.3%	17
Post deployment of skills degradation	10.0%	7
Rebuilding simulation program	15.7%	11
Robotic training network	22.9%	16
Root cause analysis for patient safety	14.3%	10
Other (please specify)	12.9%	9
answered question		70
skipped question		4

Other:

Effectiveness of teaching feedback and speaking up, Developed and validated Simulator Value Index - adopted by ACS, Team training. Interprofessional education, Communications, Feedback for medical educators, OR communications, Systems-based practice in-situ macrosimulation expansion, Transfer of training to clinical environment, Developing and validating assessment tools for high-stakes simulation-based assessments of EPAs, Assessing learning curve of residents during training at virtual simulator for robotic surgery and Effectiveness of simulation training with the fleet surgical team.