

University of New Hampshire at Manchester



About This Report

About Your Multi-Year Report

For institutions participating in multiple NSSE administrations since 2013, the year of the last survey update, this report presents year-to-year results for Engagement Indicators (EIs), High-Impact Practices (HIPs), and key academic challenge items to illustrate patterns of change or stability. It also provides details such as number of respondents, standard deviation, and standard error so that statistical tests can be calculated.

For more information and recommendations for analyzing NSSE data over time, view our webinar entitled *Recommendations for Using Multiple Years of NSSE Data:* nsse.indiana.edu/links/webinar

This report contains three main parts: (a) a page that provides a quick reference to important information about each year's administration, (b) multi-year figures, and (c) detailed statistics. Key terms and features are illustrated below.

Report sections

Administration Summaries (p. 3)	A summary of respondent counts, response rates, sampling errors, and administration details for each participation year.
Engagement Results by Theme (pp. 4-7)	Results for ten EIs and selected individual survey items are displayed, organized under four broad themes. The Academic Challenge theme is represented by four EIs as well as several individual items. The three remaining engagement themes (Learning with Peers, Experiences with Faculty, and Campus Environment) are each represented by two EIs.
High-Impact Practices (pp. 8-9)	Results for six HIPs are displayed. First-year student results indicate students who participated in service-learning, a learning community, and research with faculty, and who <i>planned to do</i> an internship or field experience, study abroad, and a culminating senior experience. Senior results indicate students who participated in all six.
Detailed Statistics (pp. 10-13)	Displays detailed information for results including counts, standard errors, and confidence intervals (CIs) for each measure.

Interpreting year-to-year results

When examining year-to-year results, you may wonder whether observed differences signify meaningful change and whether a trend is indicated. Figures display CIs around each score showing the range of values that is estimated to contain the population score 95% of the time. Upper and lower CI bounds are also reported in the Detailed Statistics section.

For further investigation

The Report Builder, updated with current data in the fall, allows for multi-year analysis of Engagement Indicators and individual items (including HIPs). It also affords the analysis of results by subpopulation.



Administration Summaries

University of New Hampshire at Manchester

The precision of an institution's population estimates can vary between administrations. An important early step in conducting a multi-year analysis is to review data quality. The values in the tables below were drawn from your *Administration Summary* reports.

Response Details by Participation Year

		Fi	rst-year studer	nts		Seniors									
Year	Response rate ^a	Sampling error ^b	Total respondents ^c	Full completions	Partial completions	Response rate ^a	Sampling error ^b	Total respondents ^c	Full completions	Partial completions					
2013															
2014															
2015															
2016	40%	+/- 20.6%	14	9	5	22%	+/- 13.6%	41	34	7					
2017	36%	+/- 19.2%	17	16	1	31%	+/- 10.6%	59	52	7					
2018	41%	+/- 18.0%	18	17	1	28%	+/- 10.3%	66	55	11					
2019	36%	+/- 18.2%	19	15	4	27%	+/- 10.9%	59	49	10					
2020															

	Recruitment		Incentives		Report Sample		
Year	method	Sample type	offered	Additional question sets	identified ^d	BCSSE	FSSE
2013							
2014							
2015							
2016	Email	Census	Yes	None	No	No	No
2017	Email	Census	Yes	Academic Advising, Learning with Tech	No	No	No
2018	Email	Census	Yes	Academic Advising, Inclusiv & Cult Div	No	No	No
2019	Email	Census	Yes	Transferable Skills, Academic Advising (beta)	No	No	No
2020							

Note: All of your institution's participation years since 2013 (the first year of the updated NSSE) are reported. Years in which your institution did not participate are blank.

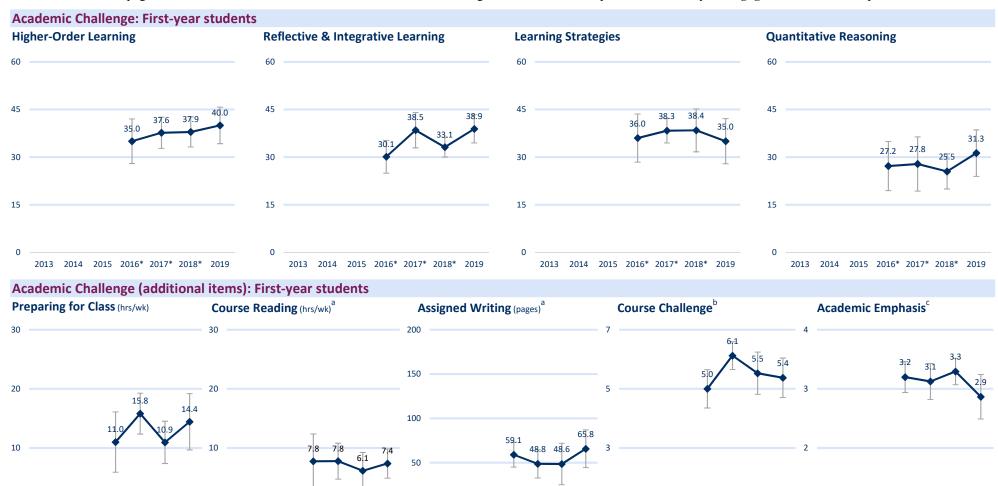
- a. Response rates (number of respondents divided by sample size) are adjusted for ineligibility, nondeliverable addresses, and students who were unavailable during the survey administration.
- b. Sampling error gauges the precision of results based on a sample survey. It is an estimate (at the 95% confidence level) of how much survey item percentages for your respondents could differ from those of the entire population of students at your institution. While data with larger sampling errors (such as +/-10%) need not be dismissed out of hand, such results should be interpreted more conservatively.
- c. Count used to calculate response rates and sampling errors for each Administration Summary report. Includes all census-administered and randomly sampled students, regardless of "Report Sample" designation.
- d. Starting in 2017, institutions had the option to flag a subset of students for exclusion from reports. Refer to your Administration Summary reports.



Engagement Results by Theme

University of New Hampshire at Manchester

Engagement Indicators (EIs) represent the average student responses to a set of related survey questions. The Academic Challenge theme contains four EIs as well as several important individual items. See pages 10-12 for detailed statistics. For more information, including the items that make up each EI, refer to your *Engagement Indicators* report.



2013 2014 2015 2016* 2017* 2018* 2019

2013 2014 2015 2016* 2017* 2018* 2019

2013 2014 2015 2016* 2017* 2018* 2019

2013 2014 2015 2016* 2017* 2018* 2019

2013 2014 2015 2016* 2017* 2018* 2019

a. Values for Course Reading and Assigned Writing are estimates calculated from two or more survey questions.

b. Extent to which courses challenged students to do their best work (1 = "Not at all" to 7 = "Very much").

c. How much students said the institution emphasizes spending significant time studying and on academic work (1 = "Very little," 2 = "Some," 3 = "Quite a bit," and 4 = "Very much").

^{*}Results unweighted due to nonstandard population file or survey administration.



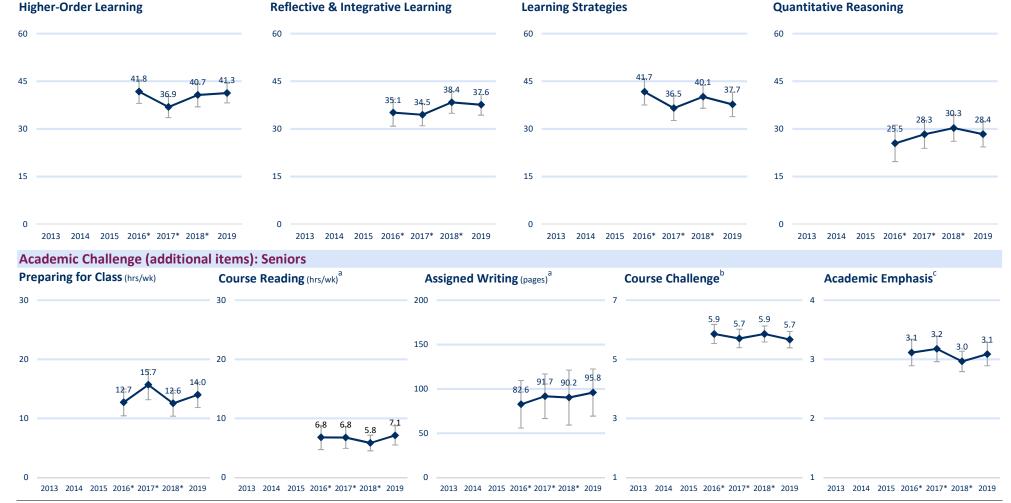
Academic Challenge: Seniors

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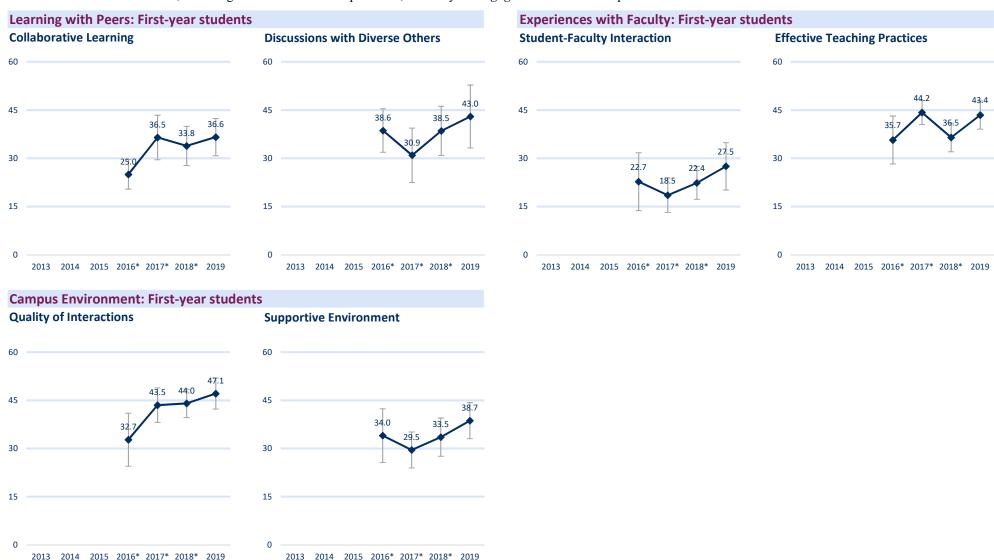
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Engagement Results by Theme

University of New Hampshire at Manchester

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Engagement Results by Theme

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Service-Learning

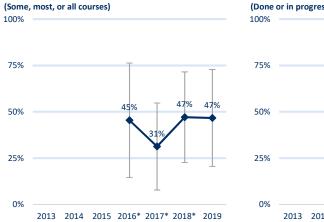
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High-Impact Practices

University of New Hampshire at Manchester

Due to their positive associations with student learning and retention, special undergraduate opportunities are designated "high-impact." The figures below display first-year students' participation, or intent to participate, in High-Impact Practices (HIPs) by year. See page 13 for detailed statistics. For more information, refer to your *High-Impact Practices* report.

High-Impact Practices: First-year students







Research with Faculty

(Done or in progress)



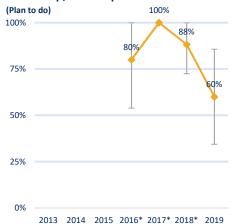
Overall first-year HIP participation

The figure below displays the percentages of firstyear students who participated in at least one high-impact practice. The figure is limited to participation in service-learning, a learning community, and research with faculty.



NSSE founding director George Kuh recommends that institutions aspire for all students to participate in at least two HIPs over the course of their undergraduate experience—one during the first year and one in the context of their major.

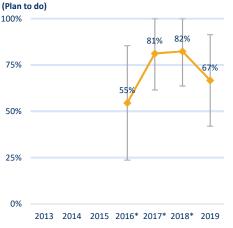
Internship/Field Experience



Study Abroad



Culminating Senior Experience



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High-Impact Practices

University of New Hampshire at Manchester

2013 2014 2015 2016* 2017* 2018* 2019

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2013 2014 2015 2016* 2017* 2018* 2019

2013 2014 2015 2016* 2017* 2018* 2019

the context of their major.

^{*}Results unweighted due to nonstandard population file or survey administration.



Detailed Statistics: Engagement Indicators and Additional Items

University of New Hampshire at Manchester

			First-year students									Seniors							
		2013	2014	2015	2016*	2017*	2018*	2019	2020	2013	2014	2015	2016*	2017*	2018*	2019	2020		
Academic Challenge																			
Higher-Order Learning	Mean				35.0	37.6	37.9	40.0					41.8	36.9	40.7	41.3			
0	n				13	17	17	17					37	58	59	54			
	SD				12.9	10.3	10.0	12.1					11.5	12.9	14.6	11.7			
	SE				3.58	2.50	2.43	2.94					1.89	1.70	1.90	1.59			
	CI upper bound				42.0	42.6	42.7	45.8					45.5	40.2	44.4	44.4			
	CI lower bound				28.0	32.7	33.2	34.2					38.1	33.6	37.0	38.2			
Reflective & Integrative	Mean				30.1	38.5	33.1	38.9					35.1	34.5	38.4	37.6			
Learning	n				13	17	17	18					40	59	63	59			
<u> </u>	SD				9.5	11.7	6.5	9.6					13.8	13.6	14.0	12.8			
	SE				2.64	2.84	1.57	2.26					2.18	1.77	1.76	1.67			
	CI upper bound				35.3	44.0	36.2	43.3					39.4	37.9	41.8	40.9			
	CI lower bound				24.9	32.9	30.0	34.4					30.9	31.0	34.9	34.3			
Learning Strategies	Mean				36.0	38.3	38.4	35.0					41.7	36.5	40.1	37.7			
	n				10	16	17	16					35	54	56	54			
	SD				12.3	7.9	14.2	14.5					12.6	14.5	13.8	14.5			
	SE				3.87	1.97	3.46	3.63					2.12	1.98	1.84	1.97			
	CI upper bound				43.6	42.2	45.2	42.1					45.9	40.4	43.7	41.6			
	CI lower bound				28.4	34.5	31.7	27.9					37.6	32.7	36.5	33.9			
Quantitative Reasoning	Mean				27.2	27.8	25.5	31.3					25.5	28.3	30.3	28.4			
	n				13	17	17	16					39	57	59	54			
	SD				14.3	18.0	11.6	15.0					18.3	17.0	16.4	15.1			
	SE				3.96	4.36	2.81	3.74					2.93	2.25	2.14	2.05			
	CI upper bound				34.9	36.4	31.0	38.6					31.2	32.7	34.5	32.4			
	CI lower bound				19.4	19.3	20.0	23.9					19.7	23.9	26.1	24.3			
Academic Challenge (addit	ional items)																		
Preparing for Class	Mean				11.0	15.8	10.9	14.4					12.7	15.7	12.6	14.0			
(hours/week)	n				10	16	17	14					35	52	56	52			
(,	SD				8.2	7.1	7.5	9.1					6.9	9.3	8.3	7.9			
	SE				2.60	1.77	1.82	2.43					1.16	1.29	1.11	1.09			
	CI upper bound				16.1	19.3	14.5	19.2					15.0	18.2	14.7	16.1			
	CI lower bound				5.9	12.4	7.4	9.7					10.4	13.2	10.4	11.8			
Course Reading	Mean				7.8	7.8	6.1	7.4					6.8	6.8	5.8	7.1			
Estimated hours per week	n				9	16	17	14					35	52	56	52			
calculated from two survey	SD				7.1	6.2	6.5	4.7					6.2	6.8	5.1	6.0			
questions.	SE				2.35	1.55	1.57	1.26					1.05	.94	.68	.83			
	CI upper bound				12.4	10.8	9.2	9.8					8.8	8.6	7.2	8.8			
	CI lower bound				3.1	4.7	3.1	4.9					4.7	4.9	4.5	5.5			

Notes: n = Number of respondents; SD = Standard deviation; SE = Standard error of the mean; upper and lower bounds represent the 95% confidence interval (mean +/- 1.96 * SE).

^{*}Results unweighted due to nonstandard population file or survey administration.



Detailed Statistics: Engagement Indicators and Additional Items

University of New Hampshire at Manchester

			Seniors															
		2013	2014	2015	2016*	2017*	2018*	2019	2020		2013	2014	2015	2016*	2017*	2018*	2019	2020
Academic Challenge (additi	ional items, co	ntinued)																
Assigned Writing	Mean				59.1	48.8	48.6	65.8						82.6	91.7	90.2	95.8	
Estimated number of pages	n				11	16	17	16						34	53	57	54	
calculated from three survey	SD				23.8	32.6	49.0	43.5						79.6	93.2	119.4	99.4	
questions.	SE				7.18	8.15	11.89	10.87						13.66	12.80	15.82	13.55	
	CI upper bound				73.2	64.7	71.9	87.1						109.4	116.8	121.2	122.4	
	CI lower bound				45.0	32.8	25.3	44.5						55.8	66.6	59.2	69.3	
Course Challenge	Mean				5.0	6.1	5.5	5.4						5.9	5.7	5.9	5.7	
Extent to which courses challenged	n				11	16	17	16						35	54	56	55	
students to do their best work (1 =	SD				1.1	1.0	1.5	1.4						1.0	1.2	1.0	1.1	
"Not at all" to 7 = "Very much").	SE				.33	.24	.36	.34						.16	.16	.14	.14	
	CI upper bound				5.6	6.6	6.2	6.0						6.2	6.0	6.1	5.9	
	CI lower bound				4.4	5.7	4.8	4.7						5.5	5.4	5.6	5.4	
Academic Emphasis	Mean				3.2	3.1	3.3	2.9						3.1	3.2	3.0	3.1	
Perceived institutional emphasis on	n				10	16	17	15						35	51	56	52	
spending significant time studying	SD				0.4	0.6	0.5	0.7						0.7	0.8	0.7	0.7	
and on academic work (1 = "Very	SE				.13	.15	.11	.19						.11	.11	.09	.10	
little," 2 = "Some," 3 = "Quite a bit,"	CI upper bound				3.5	3.4	3.5	3.2						3.3	3.4	3.1	3.3	
and 4 = "Very much").	CI lower bound				2.9	2.8	3.1	2.5						2.9	3.0	2.8	2.9	
Learning with Peers																		
Collaborative Learning	Mean				25.0	36.5	33.8	36.6						33.6	31.0	32.9	28.6	
_	n				14	17	17	19						40	59	65	58	
	SD				8.8	14.6	12.8	12.9						12.5	13.1	15.1	13.0	
	SE				2.34	3.53	3.11	2.96						1.98	1.71	1.87	1.71	
	CI upper bound				29.6	43.4	39.9	42.4						37.5	34.4	36.6	31.9	
	CI lower bound				20.4	29.6	27.7	30.8						29.7	27.7	29.3	25.2	
Discussions with Diverse	Mean				38.6	30.9	38.5	43.0						34.3	33.1	35.5	34.9	
Others	n				11	16	17	15						34	54	58	54	
C	SD				11.4	17.2	16.1	19.3						14.9	14.7	18.0	12.7	
	SE				3.44	4.31	3.90	5.00						2.56	2.01	2.36	1.73	
	CI upper bound				45.4	39.4	46.2	52.8						39.3	37.1	40.1	38.3	
	CI lower bound				31.9	22.5	30.9	33.2						29.2	29.2	30.9	31.5	

 $Notes: n = Number \ of \ respondents; \ SD = Standard \ deviation; \ SE = Standard \ error \ of \ the \ mean; \ upper \ and \ lower \ bounds \ represent \ the \ 95\% \ confidence \ interval \ (mean \ +/- \ 1.96 \ *SE).$

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Detailed Statistics: Engagement Indicators and Additional Items

University of New Hampshire at Manchester

				Fir	st-year	student	S			Seniors								
		2013	2014	2015	2016*	2017*	2018*	2019	2020	2013	2014	2015	2016*	2017*	2018*	2019	202	
Experiences with Faculty																		
Student-Faculty	Mean				22.7	18.5	22.4	27.5					24.1	24.8	26.2	27.7		
Interaction	n				11	17	17	18					38	56	63	57		
interaction	SD				15.2	11.3	10.8	15.9					16.1	15.2	14.9	15.6		
	SE				4.59	2.74	2.61	3.75					2.62	2.03	1.87	2.07		
	CI upper bound				31.7	23.9	27.5	34.9					29.2	28.8	29.9	31.8		
	CI lower bound				13.7	13.2	17.2	20.1					18.9	20.8	22.5	23.7		
Effective Teaching	Mean				35.7	44.2	36.5	43.4					42.5	41.3	41.1	42.9		
Practices	n				13	17	17	18					39	57	60	56		
Tuctices	SD				13.7	7.8	9.4	9.5					12.8	12.9	12.9	12.5		
	SE				3.80	1.89	2.27	2.24					2.06	1.71	1.66	1.67		
	CI upper bound				43.1	47.9	40.9	47.8					46.5	44.7	44.4	46.2		
	CI lower bound				28.2	40.5	32.0	39.1					38.4	38.0	37.9	39.7		
Campus Environment																		
Quality of Interactions	Mean				32.7	43.5	44.0	47.1					46.3	48.0	43.8	45.7		
,	n				11	16	16	15					33	54	55	49		
	SD				14.0	10.9	9.0	9.6					9.4	9.1	12.1	9.3		
	SE				4.21	2.73	2.24	2.47					1.64	1.23	1.63	1.34		
	CI upper bound				41.0	48.9	48.4	51.9					49.6	50.4	47.0	48.3		
	CI lower bound				24.5	38.1	39.6	42.3					43.1	45.6	40.6	43.1		
Supportive Environment	Mean				34.0	29.5	33.5	38.7					31.5	28.2	29.9	31.1		
••	n				10	16	17	15					35	52	56	51		
	SD				13.5	11.4	12.6	11.1					11.4	17.1	16.2	14.1		
	SE				4.27	2.86	3.05	2.86					1.92	2.37	2.17	1.98		
	CI upper bound				42.4	35.1	39.5	44.3					35.2	32.8	34.2	35.0		
	CI lower bound				25.6	23.9	27.6	33.1					27.7	23.6	25.7	27.3		

Notes: n = Number of respondents; SD = Standard deviation; SE = Standard error of the mean; upper and lower bounds represent the 95% confidence interval (mean +/- 1.96 * SE).

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Detailed Statistics: High-Impact Practices

University of New Hampshire at Manchester

				Fir	st-year	student	S		Seniors								
		2013	2014	2015	2016*	2017*	2018*	2019	2020	2013	2014	2015	2016*	2017*	2018*	2019	2020
Service-Learning ^a	%				45	31	47	47					49	50	55	54	
	n				11	16	17	15					35	54	56	52	
	SE				15.7	12.0	12.5	13.3					8.6	6.9	6.7	7.0	
	CI upper bound (%)				76	55	72	73					65	63	68	67	
	CI lower bound (%)				15	8	23	21					32	37	42	40	
Learning Community ^a	%				0	6	6	7					20	13	18	15	
	n SE				11 0.0	16 6.3	17 5.9	15 6.7					35 6.9	54 4.6	56 5.2	52 5.1	
	SE CI upper bound (%)				0.0	19	5.9 17	20					33	4.6 22	5.2 28	5.1 25	
	CI lower bound (%)				0	0	0	0					33 7	4	8	5	
	%				18	0	12	7					31	35	25	44	
Research with Faculty ^a	n				11	16	17	15					35	5 4	56	53	
	SE				12.2	0.0	8.1	6.7					8.0	6.6	5.8	6.9	
	CI upper bound (%)				42	0	28	20					47	48	36	57	
	CI lower bound (%)				0	0	0	0					16	22	14	30	
Internship or Field	%				80	100	88	60					43	72	73	65	
	n				10	16	17	15					35	54	56	54	
Experience ^b	SE				13.3	0.0	8.1	13.1					8.5	6.2	6.0	6.6	
(First-year results: Plan to do)	CI upper bound (%)				100	100	100	86					59	84	85	78	
	CI lower bound (%)				54	100	72	34					26	60	62	52	
Study Abroad ^b	%				50	19	24	33					9	6	9	10	
(First-year results: Plan to do)	n				10	16	17	15					35	54	56	53	
(First-year results. Fian to do)	SE				16.7	10.1	10.6	12.6					4.8	3.1	3.8	4.1	
	CI upper bound (%)				83	39	44	58					18	12	16	18	
	CI lower bound (%)				17	0	3	9					0	0	1	2	
Culminating Senior	%				55	81	82	67					74	72	70	72	
Experience ^b	n				11	16	17	15					35	54	56	53	
-	SE L L(C)				15.7	10.1	9.5	12.6					7.5	6.2	6.2	6.3	
(First-year results: Plan to do)	CI upper bound (%) CI lower bound (%)				85 24	100 61	100 64	91 42					89 60	84 60	82 57	84	
					24	91	04	42					60	60	5/	59	
Overall HIP Participat																	
Participated in one HIP	%				27	25	47	33					20	13	11	21	
•	n				11	16	17	15					35	54	56	54	
	SE				14.1	11.2	12.5	12.6					6.9	4.6	4.2	5.6	
	CI upper bound (%)				55	47	72	58					33	22	19	32	
	CI lower bound (%)				0	3	23	9					7	4	3	10	
Participated in two or	%				18	6	6	13					66	78	77	77	
more HIPs	n SE				11	16	17	15					35	54	56	54	
					12.2	6.3 19	5.9 17	9.1 31					8.1 82	5.7 89	5.7	5.7	
	CI upper bound (%) CI lower bound (%)				42 0	19	0	31						89 67	88 66	89 66	
	Ci iowei bouna (%)				U	U	U	U					50	6/	66	66	

Notes: n = Number of respondents; SE = Standard error of the proportion (sqrt[(p*(1-p))/(n-1)]) where p is the proportion; upper and lower bounds represent the 95% confidence interval (p+/-1.96 * SE).

IPEDS: 183071

a. Results are the percentage who had done the activity.

b. First-year results are the percentage who planned to do the activity; Senior results are the percentage who had done the activity.

c. First-year results are limited to participation in a Learning Community, Service-Learning, and Research with Faculty; senior results include all six HIPs.

^{*}Results unweighted due to nonstandard population file or survey administration.