NSSE national survey of student engagement

NSSE 2023
Multi-Year Report

California State University-Long Beach

Prepared 2023-08-25

IPEDS: 110583

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 numbers of respondents, standard deviations, and standard errors 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:* **http://go.iu.edu/2R1r**

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 *planned to do* 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. The Report Builder can be accessed via the NSSE Institution Interface.

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Administration Summaries

California State University-Long Beach

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

	First-year students					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										
2017	18%	+/- 2.7%	1,083	806	277	18%	+/- 2.0%	2,053	1,622	431
2018										
2019										
2020	23%	+/- 2.4%	1,306	1,042	264	17%	+/- 2.4%	1,426	1,201	225
2021										
2022										
2023	24%	+/- 2.4%	1,263	955	308	20%	+/- 2.5%	1,192	964	228

Administration Details by Participation Year

Year	Recruitment method	Sample type	Incentives offered	Additional question sets	Report Sample identified[d]	BCSSE	FSSE
2013							
2014							
2015							
2016							
2017	Email	Census	Yes	Academic Advising, California State University	No	No	Yes
2018							
2019							
2020	Email	Census	Yes	None	No	No	No
2021							
2022							
2023	Email	Census	Yes	Career Preparation, Mental Heath	No	Yes	No

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 results 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.

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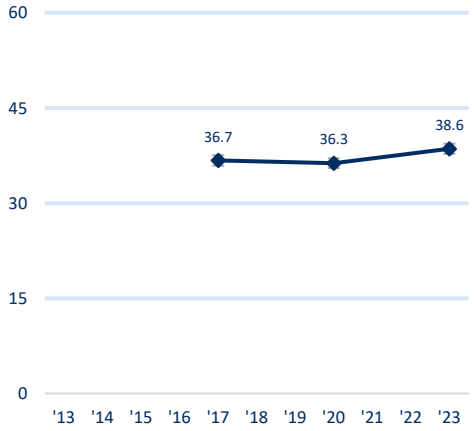
Engagement Results by Theme

California State University-Long Beach

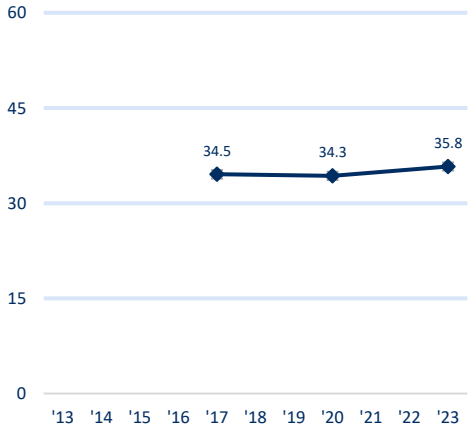
Engagement Indicators (EIs) represent the average student responses to a set of related survey questions. The Academic Challenge theme contains four EIs as well as several important individual items. See the end of this report for detailed statistics. For more information, including the items that make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

Academic Challenge: First-year students

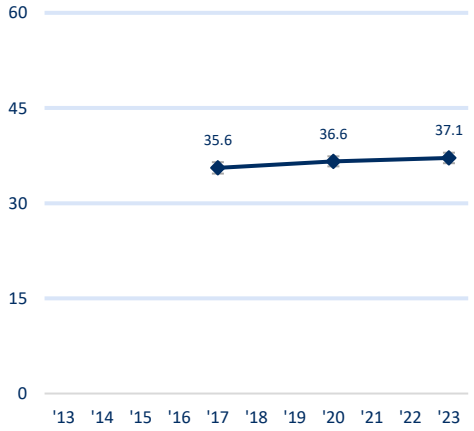
Higher-Order Learning



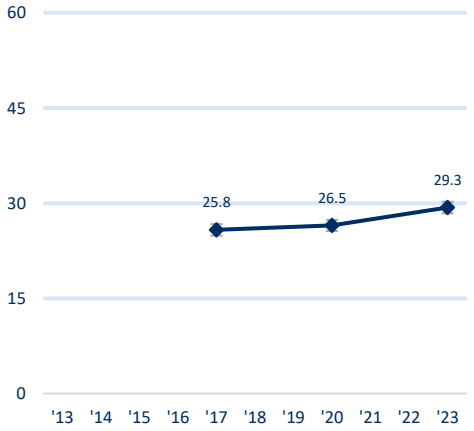
Reflective & Integrative Learning



Learning Strategies

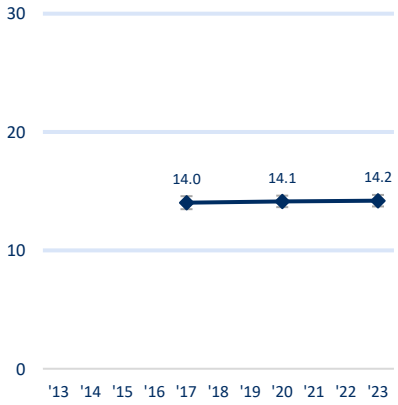


Quantitative Reasoning

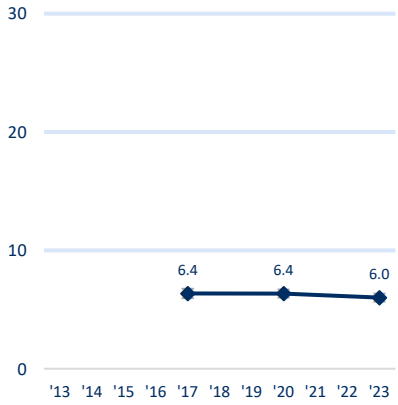


Academic Challenge (additional items): First-year students

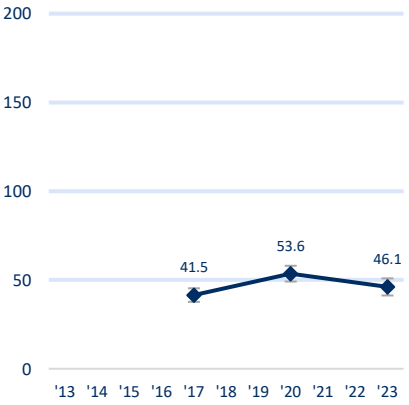
Preparing for Class (hrs/wk)



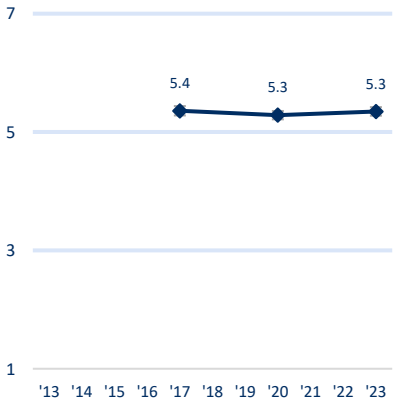
Course Reading (hrs/wk)[a]



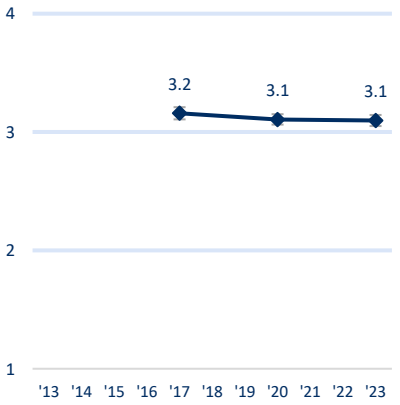
Assigned Writing (pages)[a]



Course Challenge[b]



Academic Emphasis[c]



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").

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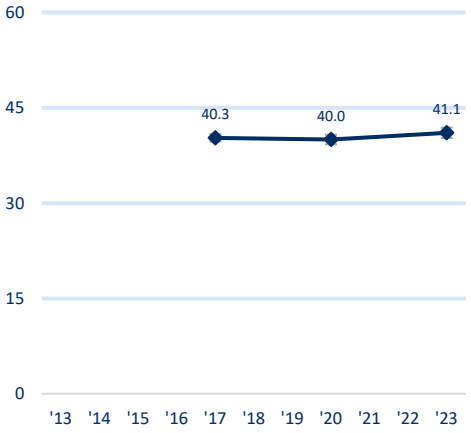
Engagement Results by Theme

California State University-Long Beach

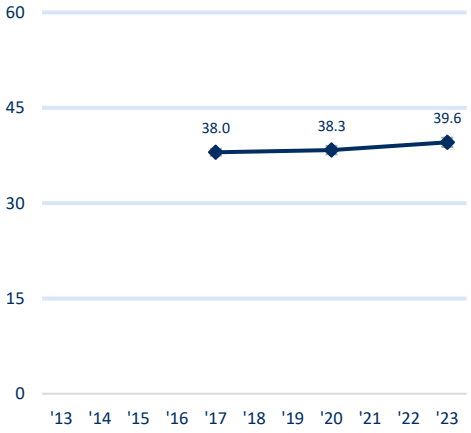
Engagement Indicators (EIs) represent the average student responses to a set of related survey questions. The Academic Challenge theme contains four EIs as well as several important individual items. See pages 10-12 for detailed statistics. For more information, including the items that make up each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

Academic Challenge: Seniors

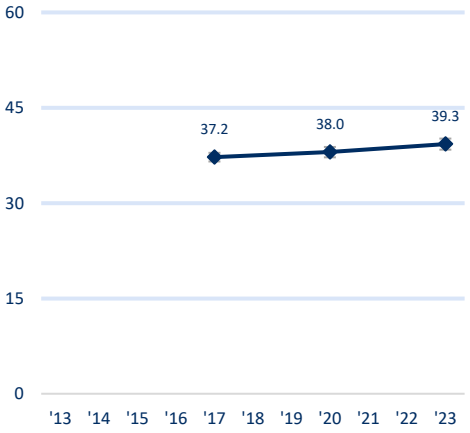
Higher-Order Learning



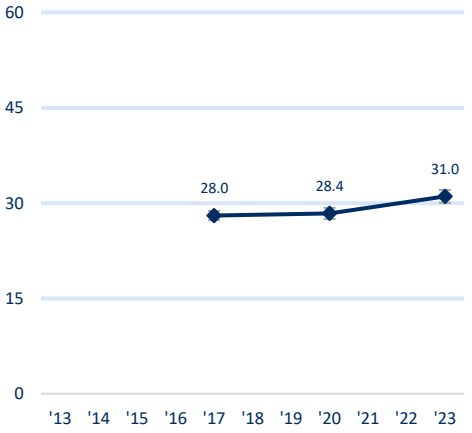
Reflective & Integrative Learning



Learning Strategies

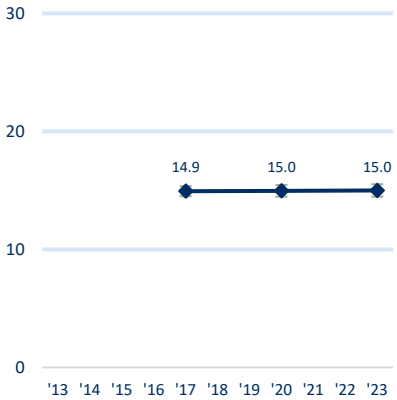


Quantitative Reasoning

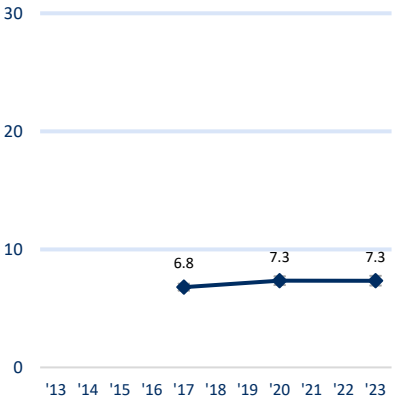


Academic Challenge (additional items): Seniors

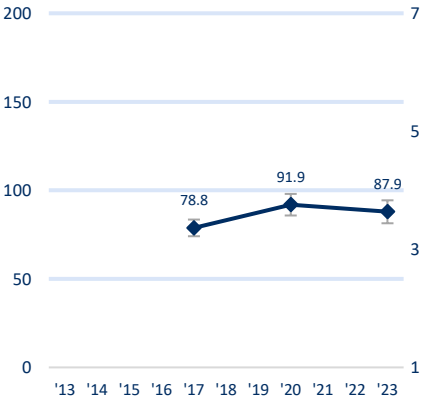
Preparing for Class (hrs/wk)



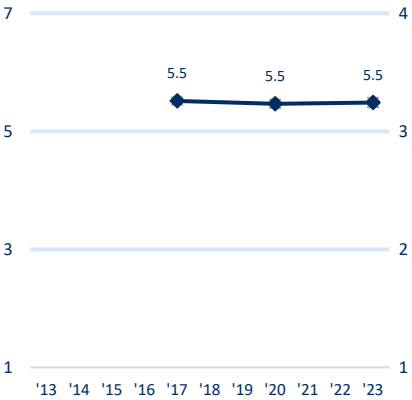
Course Reading (hrs/wk)[a]



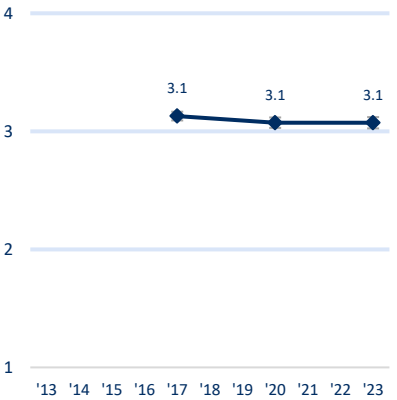
Assigned Writing (pages)[a]



Course Challenge[b]



Academic Emphasis[c]



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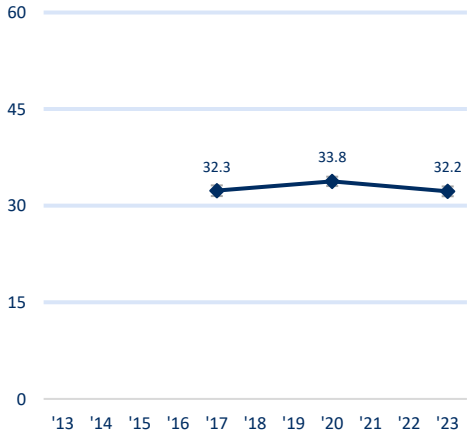
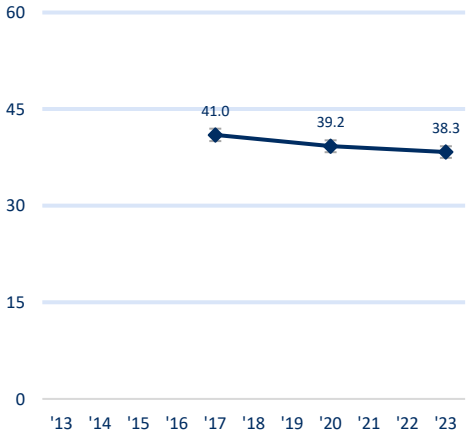
Learning with Peers: First-year students

Collaborative Learning

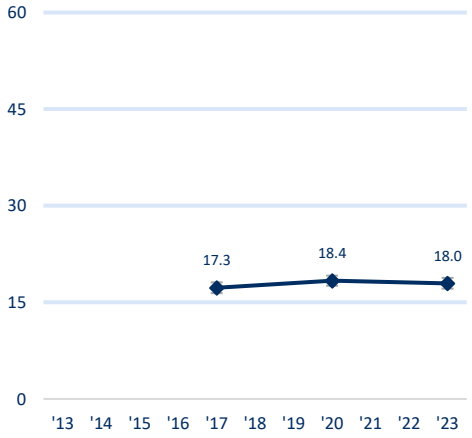


Discussions with Diverse Others

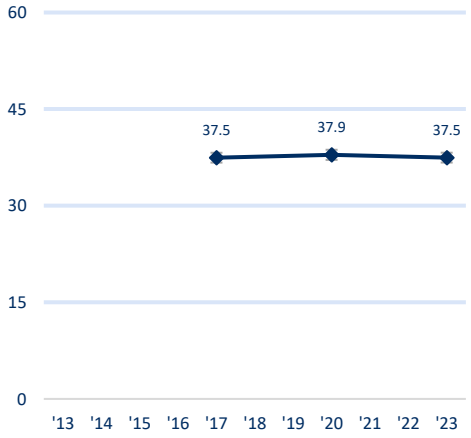


Experiences with Faculty: First-year students

Student-Faculty Interaction

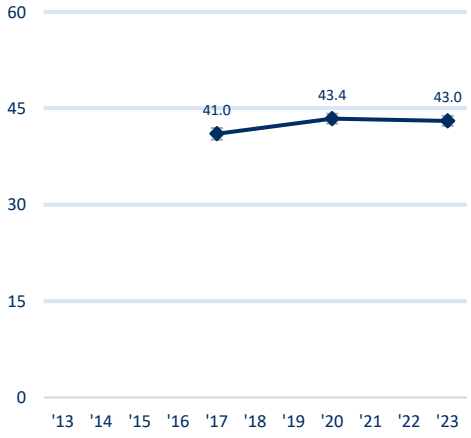


Effective Teaching Practices

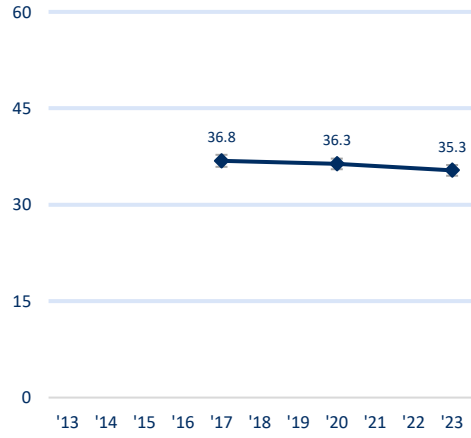


Campus Environment: First-year students

Quality of Interactions



Supportive Environment



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California State University-Long Beach

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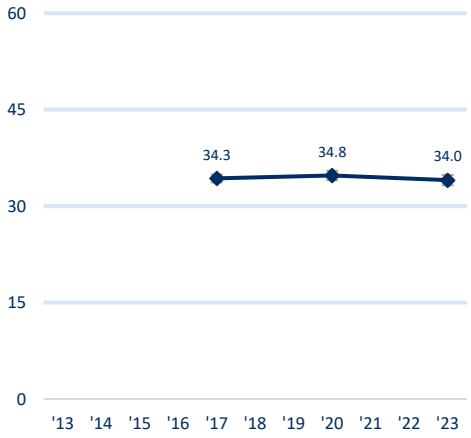
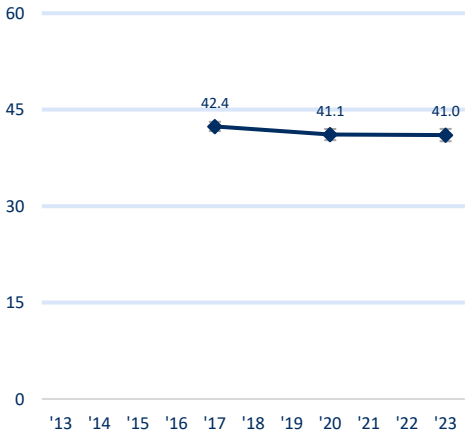
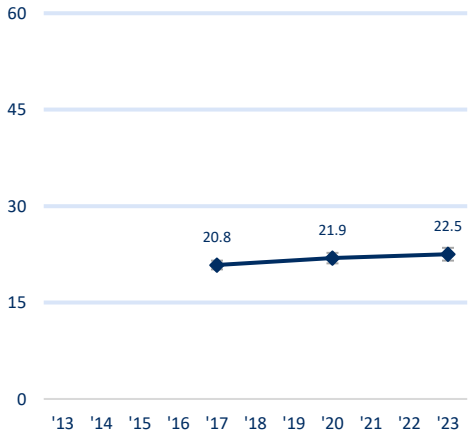


Discussions with Diverse Others

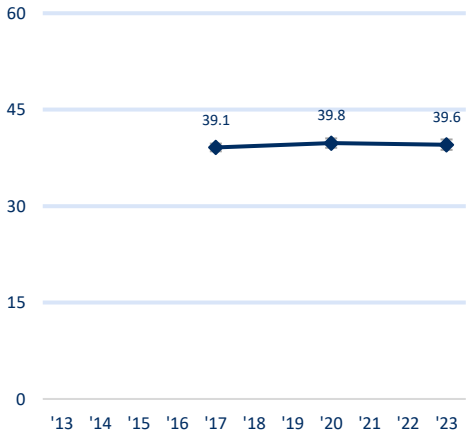


Experiences with Faculty: Seniors

Student-Faculty Interaction

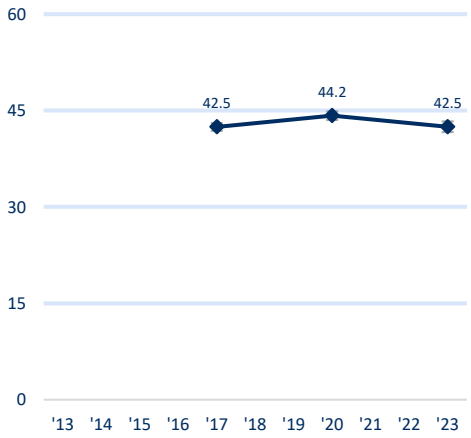


Effective Teaching Practices

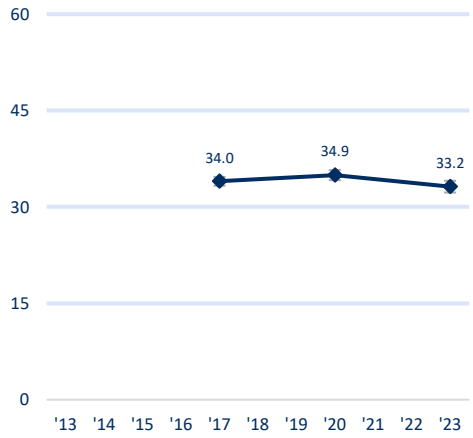


Campus Environment: Seniors

Quality of Interactions



Supportive Environment



NSSE 2023 Multi-Year Report

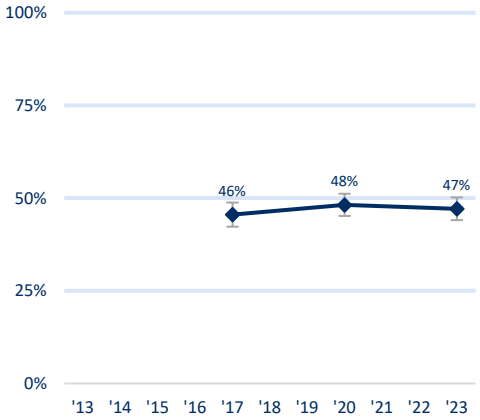
High-Impact Practices

California State University-Long Beach

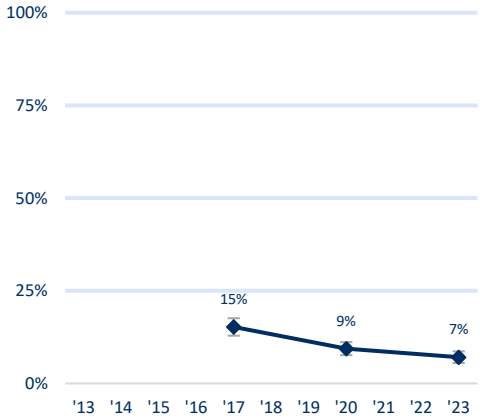
Due to their positive associations with student learning and retention, certain undergraduate opportunities are designated "high-impact." The figures below display first-year students' participation, or intent to participate, in High-Impact Practices (HIPs) by year. See page 13 for detailed statistics.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

High-Impact Practices: First-year students

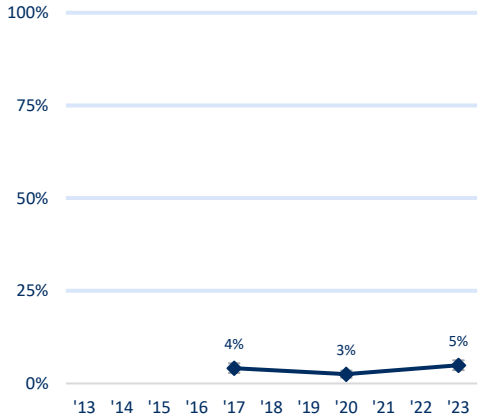
Service-Learning
(Some, most, or all courses)



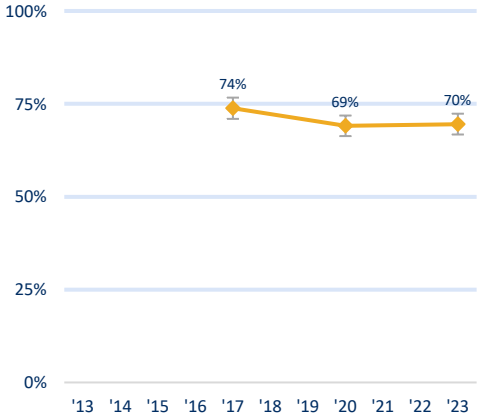
Learning Community
(Done or in progress)



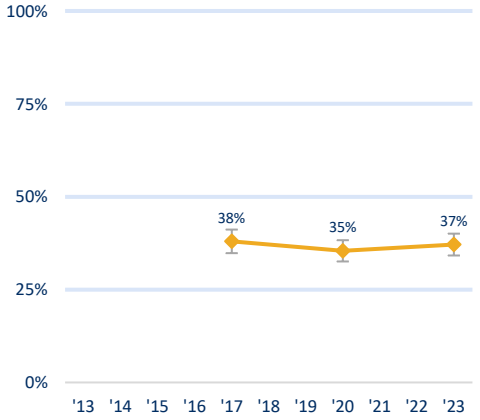
Research with Faculty
(Done or in progress)



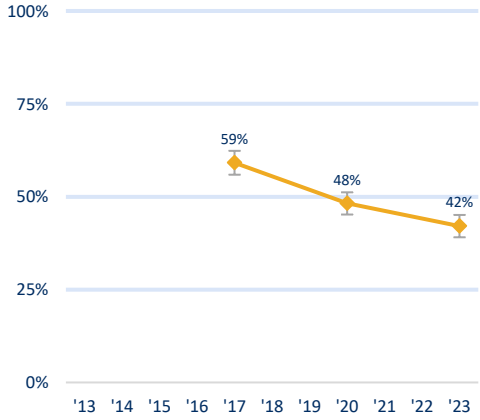
Internship/Field Experience
(Plan to do)



Study Abroad
(Plan to do)

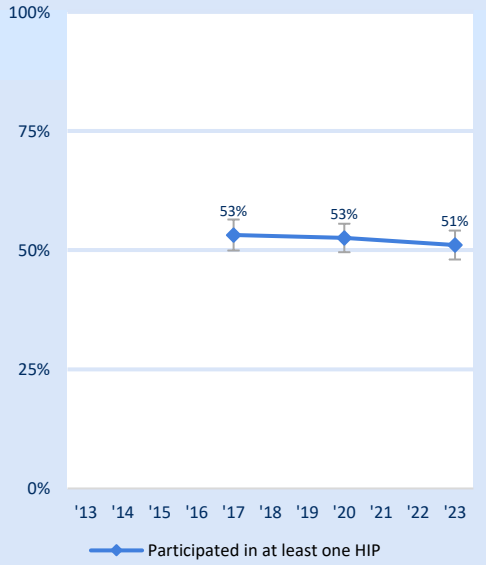


Culminating Senior Experience
(Plan to do)



Overall first-year HIP participation

The figure below displays the percentages of first-year 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.

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High-Impact Practices

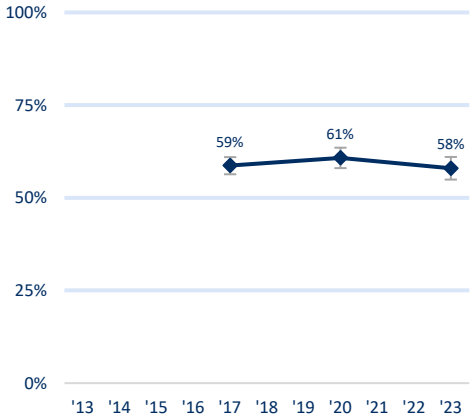
California State University-Long Beach

Due to their positive associations with student learning and retention, certain undergraduate opportunities are designated "high-impact." Participation in High-Impact Practices (HIPs) by year is displayed in the figures below. See page 13 for detailed statistics. For more information, refer to your *High-Impact Practices* report.

High-Impact Practices: Seniors

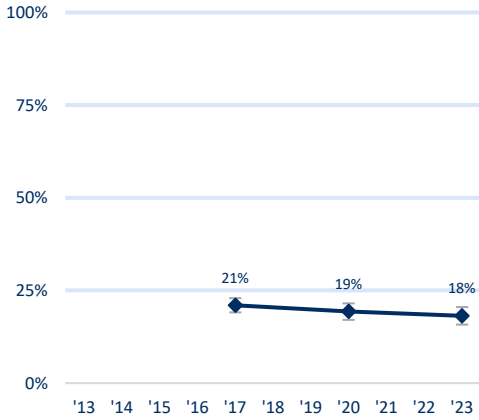
Service-Learning

(Some, most, or all courses)



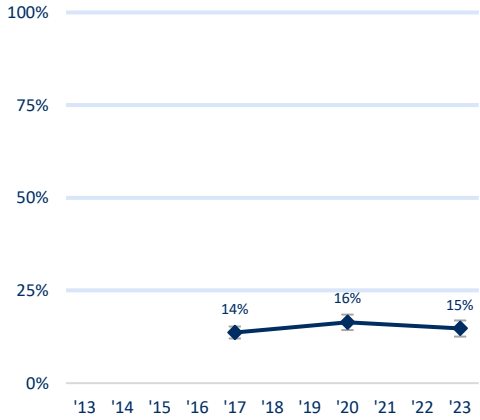
Learning Community

(Done or in progress)



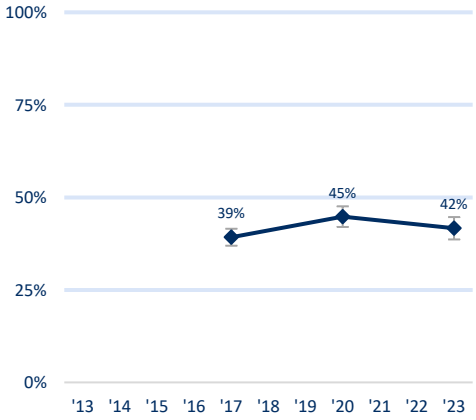
Research with Faculty

(Done or in progress)



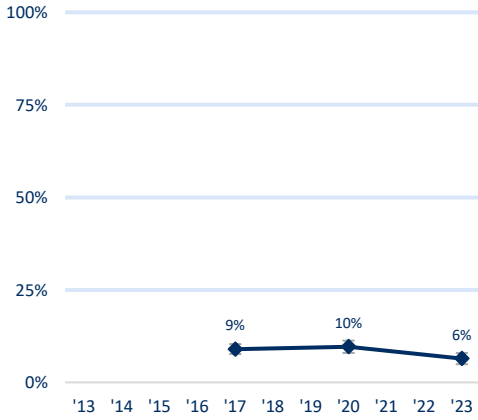
Internship/Field Experience

(Done or in progress)



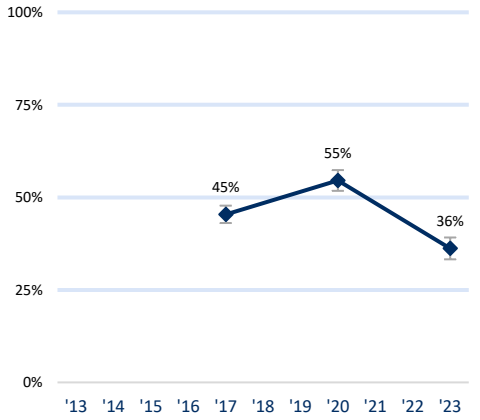
Study Abroad

(Done or in progress)



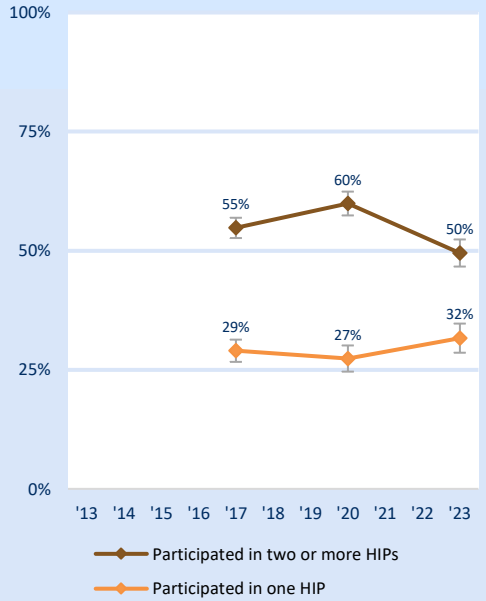
Culminating Senior Experience

(Done or in progress)



Overall senior HIP participation

The figure below displays the percentages of seniors who participated in one, and two or more, high-impact practices. The figure includes all six HIPs.



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.

NSSE 2023 Multi-Year Report

Detailed Statistics: Engagement Indicators and Additional Challenge Items

California State University-Long Beach

		First-year students											Seniors										
		'13	'14	'15	'16	'17	'18	'19	'20	'21	'22	'23	'13	'14	'15	'16	'17	'18	'19	'20	'21	'22	'23
Academic Challenge																							
Higher-Order Learning	*Mean*					**36.7**			**36.3**			**38.6**					**40.3**			**40.0**			**41.1**
	n					1,015			1,116			1,102					1,933			1,269			1,071
	SD					13.3			13.0			13.5					13.2			13.7			13.7
	SE					.42			.39			.41					.30			.38			.42
	CI up bnd					37.5			37.1			39.4					40.9			40.8			41.9
	CI low bnd					35.9			35.5			37.8					39.7			39.3			40.2
Reflective & Integrative Learning	*Mean*					**34.5**			**34.3**			**35.8**					**38.0**			**38.3**			**39.6**
	n					1,043			1,174			1,188					1,982			1,324			1,134
	SD					11.1			11.3			11.2					12.2			12.3			12.5
	SE					.35			.33			.33					.27			.34			.37
	CI up bnd					35.2			35.0			36.4					38.5			39.0			40.3
	CI low bnd					33.9			33.7			35.1					37.5			37.7			38.8
Learning Strategies	*Mean*					**35.6**			**36.6**			**37.1**					**37.2**			**38.0**			**39.3**
	n					914			1,075			1,041					1,746			1,218			1,026
	SD					13.9			13.2			13.7					14.5			14.5			14.2
	SE					.46			.40			.42					.35			.42			.44
	CI up bnd					36.5			37.4			38.0					37.9			38.8			40.1
	CI low bnd					34.7			35.8			36.3					36.5			37.2			38.4
Quantitative Reasoning	*Mean*					**25.8**			**26.5**			**29.3**					**28.0**			**28.4**			**31.0**
	n					998			1,079			1,050					1,893			1,222			1,036
	SD					14.5			14.8			15.1					16.1			15.8			16.5
	SE					.46			.45			.46					.37			.45			.51
	CI up bnd					26.7			27.4			30.2					28.8			29.2			32.1
	CI low bnd					24.9			25.6			28.4					27.3			27.5			30.0
Academic Challenge (additional items)																							
Preparing for Class (hours/week)	*Mean*					**14.0**			**14.1**			**14.2**					**14.9**			**15.0**			**15.0**
	n					827			1,055			1,015					1,649			1,190			999
	SD					8.1			8.0			7.9					8.7			8.7			8.5
	SE					.28			.25			.25					.22			.25			.27
	CI up bnd					14.6			14.6			14.7					15.3			15.5			15.5
	CI low bnd					13.5			13.7			13.7					14.5			14.5			14.5
Course Reading Est. hrs per week calculated from two items.	*Mean*					**6.4**			**6.4**			**6.0**					**6.8**			**7.3**			**7.3**
	n					820			1,050			1,001					1,636			1,179			984
	SD					5.7			5.5			5.4					6.0			6.5			6.6
	SE					.20			.17			.17					.15			.19			.21
	CI up bnd					6.8			6.7			6.3					7.1			7.7			7.8
	CI low bnd					6.0			6.0			5.7					6.5			7.0			6.9

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).

NSSE 2023 Multi-Year Report

Detailed Statistics: Engagement Indicators and Additional Challenge Items

California State University-Long Beach

		First-year students											Seniors									
		'13	'14	'15	'16	'17	'18	'19	'20	'21	'22	'23	'13	'14	'15	'16	'17	'18	'19	'20	'21	'22	'23
Academic Challenge (additional items, continued)																							
Assigned Writing Estimated number of pages calculated from three survey questions.	*Mean*					**41.5**			**53.6**			**46.1**					**78.8**			**91.9**			**87.9**
	n					912			1,079			1,063					1,743			1,220			1,027
	SD					58.9			74.4			80.1					100.3			108.6			106.0
	SE					1.95			2.27			2.46					2.40			3.11			3.31
	CI up bnd					45.3			58.0			50.9					83.5			98.0			94.4
	CI low bnd					37.7			49.1			41.3					74.1			85.8			81.4
Course Challenge Extent to which courses challenged students to do best work (1="Not at all" to 7="Very much").	*Mean*					**5.4**			**5.3**			**5.3**					**5.5**			**5.5**			**5.5**
	n					911			1,079			1,041					1,744			1,221			1,023
	SD					1.2			1.2			1.2					1.3			1.3			1.3
	SE					.04			.04			.04					.03			.04			.04
	CI up bnd					5.4			5.4			5.4					5.6			5.5			5.6
	CI low bnd					5.3			5.2			5.3					5.5			5.4			5.4
Academic Emphasis Perceived inst'l emphasis on spending significant time studying and on academic work (1 = "Very little" to 4 = "Very much").	*Mean*					**3.2**			**3.1**			**3.1**					**3.1**			**3.1**			**3.1**
	n					840			1,066			1,020					1,671			1,197			1,013
	SD					0.8			0.7			0.8					0.8			0.8			0.8
	SE					.03			.02			.02					.02			.02			.02
	CI up bnd					3.2			3.2			3.1					3.2			3.1			3.1
	CI low bnd					3.1			3.1			3.1					3.1			3.0			3.0
Learning with Peers																							
Collaborative Learning	*Mean*					**32.3**			**33.8**			**32.2**					**34.3**			**34.8**			**34.0**
	n					1,059			1,266			1,236					2,001			1,382			1,160
	SD					13.8			13.2			13.7					13.9			13.8			14.0
	SE					.42			.37			.39					.31			.37			.41
	CI up bnd					33.2			34.5			33.0					34.9			35.5			34.8
	CI low bnd					31.5			33.1			31.5					33.7			34.0			33.2
Discussions with Diverse Others	*Mean*					**41.0**			**39.2**			**38.3**					**42.4**			**41.1**			**41.0**
	n					913			1,087			1,046					1,755			1,222			1,033
	SD					14.8			15.5			14.9					15.3			15.4			15.7
	SE					.49			.47			.46					.37			.44			.49
	CI up bnd					42.0			40.2			39.2					43.1			42.0			42.0
	CI low bnd					40.0			38.3			37.4					41.7			40.3			40.1

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).

NSSE 2023 Multi-Year Report

Detailed Statistics: Engagement Indicators and Additional Challenge Items

California State University-Long Beach

		First-year students											Seniors									
		'13	'14	'15	'16	'17	'18	'19	'20	'21	'22	'23	'13	'14	'15	'16	'17	'18	'19	'20	'21	'22	'23
Experiences with Faculty																							
Student-Faculty Interaction	*Mean*					**17.3**			**18.4**			**18.0**					**20.8**			**21.9**			**22.5**
	n					1,011			1,137			1,143					1,941			1,293			1,097
	SD					13.6			13.5			14.4					15.3			15.0			16.8
	SE					.43			.40			.43					.35			.42			.51
	CI up bnd					18.1			19.1			18.8					21.5			22.7			23.5
	CI low bnd					16.4			17.6			17.1					20.2			21.1			21.5
Effective Teaching Practices	*Mean*					**37.5**			**37.9**			**37.5**					**39.1**			**39.8**			**39.6**
	n					1,016			1,112			1,113					1,934			1,266			1,071
	SD					12.5			13.4			13.0					13.5			13.3			13.5
	SE					.39			.40			.39					.31			.37			.41
	CI up bnd					38.2			38.7			38.2					39.7			40.5			40.4
	CI low bnd					36.7			37.1			36.7					38.5			39.1			38.7
Campus Environment																							
Quality of Interactions	*Mean*					**41.0**			**43.4**			**43.0**					**42.5**			**44.2**			**42.5**
	n					812			968			915					1,565			1,111			885
	SD					13.1			12.2			11.8					12.4			11.7			12.7
	SE					.46			.39			.39					.31			.35			.43
	CI up bnd					41.9			44.2			43.8					43.1			44.9			43.3
	CI low bnd					40.1			42.6			42.3					41.8			43.5			41.6
Supportive Environment	*Mean*					**36.8**			**36.3**			**35.3**					**34.0**			**34.9**			**33.2**
	n					829			1,057			1,009					1,657			1,192			999
	SD					13.7			13.7			13.5					14.2			13.7			14.7
	SE					.48			.42			.43					.35			.40			.47
	CI up bnd					37.8			37.2			36.2					34.7			35.7			34.1
	CI low bnd					35.9			35.5			34.5					33.3			34.2			32.2

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).

NSSE national survey of student engagement

NSSE 2023 Multi-Year Report

Detailed Statistics: High-Impact Practices

California State University-Long Beach

		First-year students											Seniors									
		'13	'14	'15	'16	'17	'18	'19	'20	'21	'22	'23	'13	'14	'15	'16	'17	'18	'19	'20	'21	'22	'23
Service-Learning[a]	%					**46**			**48**			**47**					**59**			**61**			**58**
	n					897			1,066			1,023					1,734			1,207			1,007
	SE					1.7			1.5			1.6					1.2			1.4			1.6
	CI up bnd					49			51			50					61			64			61
	CI low bnd					42			45			44					56			58			55
Learning Community[a]	%					**15**			**9**			**7**					**21**			**19**			**18**
	n					899			1,069			1,032					1,736			1,212			1,022
	SE					1.2			0.9			0.8					1.0			1.1			1.2
	CI up bnd					18			11			9					23			22			21
	CI low bnd					13			8			6					19			17			16
Research with Faculty[a]	%					**4**			**3**			**5**					**14**			**16**			**15**
	n					899			1,071			1,034					1,738			1,215			1,019
	SE					0.7			0.5			0.7					0.8			1.1			1.1
	CI up bnd					5			3			6					15			18			17
	CI low bnd					3			2			4					12			14			13
Internship or Field Experience[b] (First-year results: Plan to do)	%					**74**			**69**			**70**					**39**			**45**			**42**
	n					910			1,075			1,038					1,746			1,219			1,024
	SE					1.5			1.4			1.4					1.2			1.4			1.5
	CI up bnd					77			72			72					42			48			45
	CI low bnd					71			66			67					37			42			39
Study Abroad[b] (First-year results: Plan to do)	%					**38**			**35**			**37**					**9**			**10**			**6**
	n					900			1,073			1,040					1,739			1,214			1,022
	SE					1.6			1.5			1.5					0.7			0.8			0.8
	CI up bnd					41			38			40					10			11			8
	CI low bnd					35			33			34					8			8			5
Culminating Senior Experience[b] (First-year results: Plan to do)	%					**59**			**48**			**42**					**45**			**55**			**36**
	n					901			1,073			1,037					1,736			1,211			1,019
	SE					1.6			1.5			1.5					1.2			1.4			1.5
	CI up bnd					62			51			45					48			57			39
	CI low bnd					56			45			39					43			52			33
Overall HIP Participation[c]																							
Participated in one HIP	%					**43**			**46**			**45**					**29**			**27**			**32**
	n					904			1,076			1,041					1,748			1,223			1,027
	SE					1.6			1.5			1.5					1.1			1.3			1.5
	CI up bnd					47			49			48					31			30			34
	CI low bnd					40			43			42					27			25			29
Participated in two or more HIPs	%					**10**			**7**			**6**					**55**			**60**			**50**
	n					904			1,076			1,041					1,748			1,223			1,027
	SE					1.0			0.8			0.7					1.2			1.4			1.6
	CI up bnd					12			8			8					57			63			53
	CI low bnd					8			5			5					52			57			46

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).

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.

IPEDS: 110583