

The University of Toledo

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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 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 <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. The Report Builder can be accessed via the NSSE Institution Interface.



Administration Summaries

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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

		Fir	rst-year studen	its		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	19%	+/- 3.4%	663	545	118	24%	+/- 2.8%	933	817	116						
2014																
2015	21%	+/- 3.4%	650	485	165	23%	+/- 3.4%	625	519	106						
2016																
2017	16%	+/- 3.2%	805	562	243	18%	+/- 3.5%	638	471	167						
2018																
2019	18%	+/- 3.0%	864	696	168	12%	+/- 3.8%	584	487	97						
2020																
2021	27%	+/- 2.9%	820	621	199	24%	+/- 3.1%	778	654	124						
2022																
2023																
2024	24%	+/- 3.2%	722	516	206	26%	+/- 2.8%	880	742	138						
		+/- 3.2%		310	200	20/0	T/- 2.0/0	800	/42							

Administration Details by Participation Year

			Incentives		Report Sample		
Year	Recruitment method	Sample type	offered	Additional question sets	identified ^d	BCSSE	FSSE
2013	Email	Census	Yes	None	No	No	No
2014							
2015	Email	Census	Yes	Academic Advising, Learning with Tech	No	No	No
2016							
2017	Email	Census	Yes	Writing Experiences, Information Literacy	No	No	No
2018							
2019	Email	Census	Yes	Writing Experiences, Academic Advising (beta)	No	No	No
2020							
2021	Email	Census	Yes	Inclusiv & Cult Div, Online Learning	No	Yes	No
2022							
2023							
2024	Email	Census	Yes	Writing Experiences, Information Literacy	No	No	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.

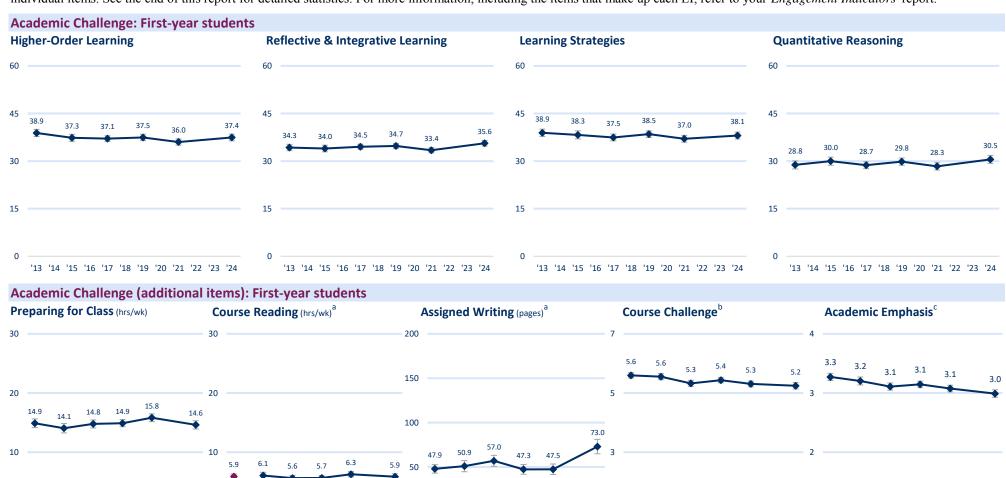
d. Starting in 2017, institutions had the option to flag a subset of students for exclusion from reports. Refer to your Administration Summary reports.



Engagement Results by Theme

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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.



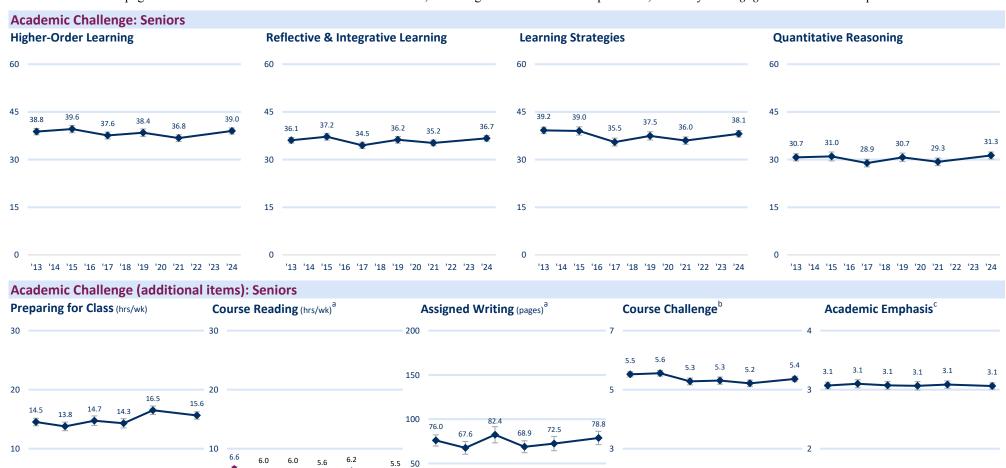
- a. Values for Course Reading and Assigned Writing are estimates calculated from two or more survey questions. The Course Reading item changed in 2014; comparability between 2013 and later years is limited.
- b. Extent to which courses challenged students to do their best work (1 = "Not at all" to 7 = "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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Campus Environment: First-year students

Quality of Interactions

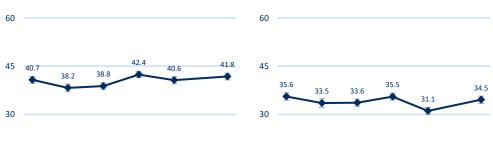
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Engagement Results by Theme

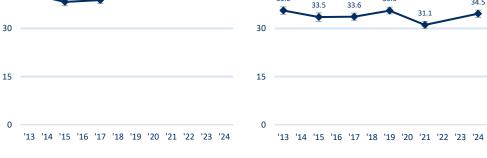
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Supportive Environment

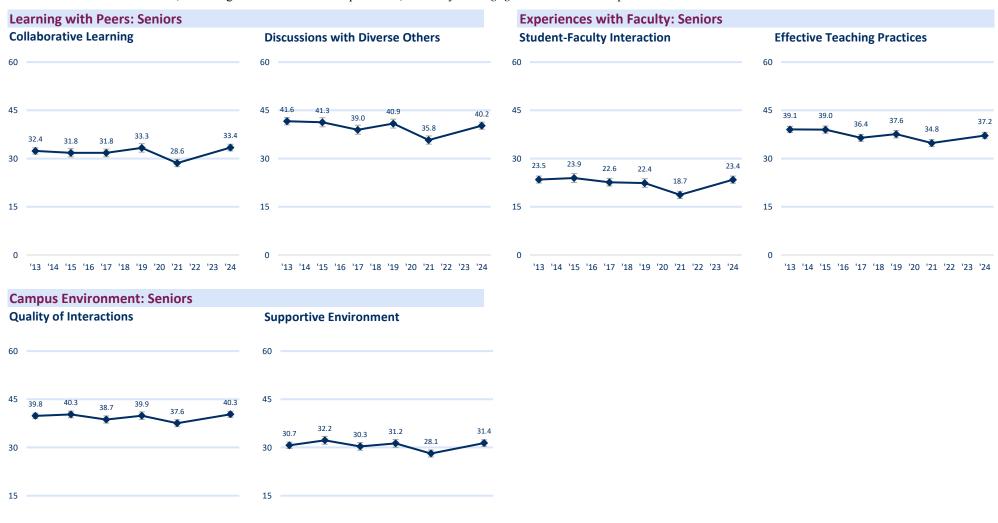




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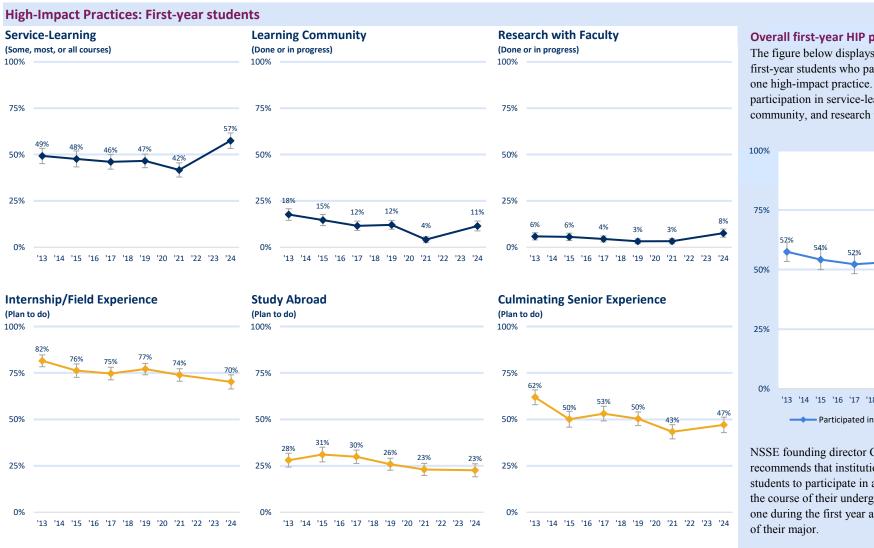




High-Impact Practices

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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.



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.



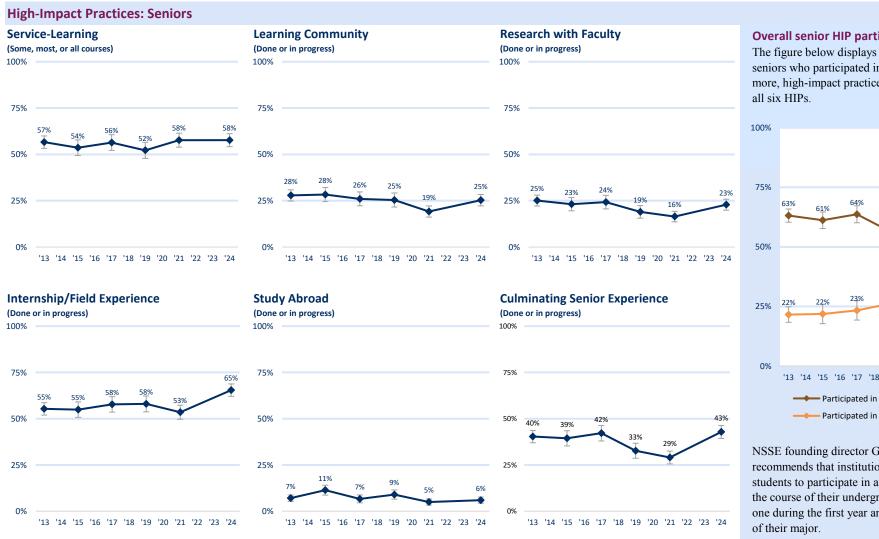
NSSE founding director George Kuh recommends that institutions aspire for all students to participate in at least two HIPs over the course of their undergraduate experience one during the first year and one in the context



High-Impact Practices

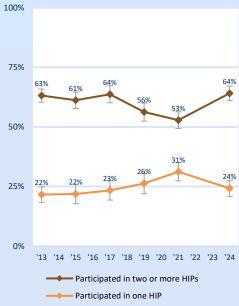
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Due to their positive associations with student learning and retention, certain undergraduate opportunities are designated "high-impact." Participation in High-Impact Practices (HIPs) by year is displayed in the figures below. See page 13 for detailed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



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



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Detailed Statistics: Engagement Indicators and Additional Challenge Items The University of Toledo

						First-	year stude	nts					Seniors												
		'13	'14	'15	'16	'17	'18 '19	'20	'21	'22	'23	'24	'13	'14	'15	'16	'17	'18	'19	'20	'21	'22	'23	'24	
Academic Challeng																									
Higher-Order	Mean	38.9		37.3		37.1	37.5		36.0			37.4	38.8		39.6		37.6		38.4		36.8			39.0	
Learning	n	591		566		733	752		682			601	856		561		596		531		699			802	
· ·	SD	14.0		13.4		12.4	13.9		13.2			13.2	14.9		14.0		13.4		13.7		14.2			13.7	
	SE	.58		.56		.46	.51		.50			.54	.51		.59		.55		.59		.54			.48	
	CI up bnd	40.0		38.4		38.0	38.4		37.0			38.5	39.8		40.8		38.6		39.6		37.8			39.9	
	CI low bnd	37.7		36.2		36.2	36.5		35.0			36.4	37.8		38.4		36.5		37.3		35.7			38.0	
Reflective &	Mean n	34.3 621		34.0 590		34.5 757	34.7 793		33.4 749			35.6 646	36.1 891		37.2 579		34.5 610		36.2 550		35.2 739			36.7 843	
Integrative	SD	12.6		12.8		11.5	11.9		11.4			11.7	13.1		13.1		12.4		12.5		12.6			13.0	
Learning	SE SE	.51		.53		.42	.42		.42			.46	.44		.55		.50		.53		.46			.45	
	CI up bnd	35.3		35.0		35.3	35.6		34.2			36.5	36.9		38.3		35.5		37.3		36.1			37.5	
	CI low bnd	33.3		32.9		33.7	33.9		32.6			34.7	35.2		36.1		33.5		35.2		34.3			35.8	
Learning	Mean	38.9		38.3		37.5	38.5		37.0			38.1	39.2		39.0		35.5		37.5		36.0			38.1	
_	n	554		524		626	720		654			560	839		542		536		514		659			779	
Strategies	SD	13.7		14.7		13.4	14.3		14.0			13.1	15.2		15.4		14.6		15.0		15.1			14.4	
	SE	.58		.64		.54	.53		.55			.55	.52		.66		.63		.66		.59			.52	
	CI up bnd	40.1		39.5		38.5	39.5		38.1			39.1	40.2		40.3		36.7		38.8		37.1			39.1	
	CI low bnd	37.8		37.0		36.4	37.4		36.0			37.0	38.2		37.7		34.3		36.2		34.8			37.1	
Quantitative	Mean	28.8		30.0		28.7	29.8		28.3			30.5	30.7		31.0		28.9		30.7		29.3			31.3	
Reasoning	n	609		583		733	732		662			577	886		568		588		524		668			786	
neasoning	SD	16.0		15.7		15.1	15.8		15.2			15.3	17.1		17.0		14.7		15.6		15.9			15.7	
	SE	.65		.65		.56	.58		.59			.64	.57		.71		.61		.68		.61			.56	
	CI up bnd	30.1		31.2		29.8	31.0		29.5			31.8	31.8		32.4		30.1		32.0		30.5			32.4	
	CI low bnd	27.5		28.7		27.6	28.7		27.2			29.3	29.6		29.6		27.7		29.4		28.1			30.2	
Academic Challeng	ge (additio	nal iten	1s)																						
Preparing for	Mean	14.9		14.1		14.8	14.9		15.8			14.6	14.5		13.8		14.7		14.3		16.5			15.6	
Class (hours/week)	n	545		485		571	700		634			536	815		510		498		501		648			755	
	SD	8.7		8.9		8.3	8.1		8.4			8.2	9.2		8.4		9.2		9.0		9.3			8.7	
	SE	.37		.40		.35	.31		.33			.36	.32		.37		.41		.40		.37			.32	
	CI up bnd	15.6		14.8		15.5	15.5		16.5			15.3	15.1		14.5		15.5		15.1		17.2			16.3	
	CI low bnd	14.2		13.3		14.1	14.3		15.2			13.9	13.9		13.1		13.9		13.5		15.8			15.0	
Course Reading	Mean	5.9		6.1		5.6	5.7		6.3			5.9	6.6		6.0		6.0		5.6		6.2			5.5	
Est. hrs per wk calculated from two items. Item	n	542		477		565	696		622			528	812		496		493		500		644			747	
wording changed in	SD	5.2		6.0		5.3	5.2		5.8			5.7	6.1		5.5		5.9		5.5		5.5			5.4	
2014; comparability with	SE Clup had	.22 6.3		.28 6.6		.22 6.1	.20 6.0		.23 6.7			.25 6.4	.22 7.0		.25 6.5		.26 6.5		.25 6.1		.22 6.6			.20 5.9	
'13 is limited.	CI up bnd CI low bnd	5.5		5.5		5.2	5.3		5.8			5.4	7.0 6.1		5.5		5.5		5.1		5.7			5.9	
	CI IUW DIIU	5.5		5.5		5.2	5.3		5.6			5.4	0.1		5.5		5.5		3.1		5.7			5.1	

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).



Detailed Statistics: Engagement Indicators and Additional Challenge Items The University of Toledo

				Seniors																					
		'13	'14	'15	'16	'17	'18	'19	'20	'21	'22	'23	'24	'13	'14	'15	'16	'17	'18	'19	'20	'21	'22	'23	12
Academic Challeng	ge (additio	nal iten	ns, con	tinued)																					
Assigned	Mean	47.9		50.9		57.0		47.3		47.5			73.0	76.0		67.6		82.4		68.9		72.5			78
Writing	n	527		509		647		723		658			572	762		483		533		523		658			7
Est. no. of pages calculated from three	SD	56.4		71.5		79.8		75.2		77.3			99.1	88.4		81.1		107.7		78.6		105.5			107
	SE	2.46		3.17		3.14		2.80		3.01			4.14	3.20		3.69		4.66		3.44		4.12			3.
survey questions.	CI up bnd	52.7		57.1		63.1		52.8		53.4			81.1	82.2		74.9		91.6		75.6		80.5			86
	CI low bnd	43.1		44.7		50.8		41.8		41.6			64.9	69.7		60.4		73.3		62.1		64.4			71
Course	Mean	5.6		5.6		5.3		5.4		5.3			5.2	5.5		5.6		5.3		5.3		5.2			5
Challenge	n	567		534		632		714		652			565	848		544		534		514		662			7
Extent courses	SD	1.1		1.2		1.3		1.3		1.3			1.3	1.3		1.1		1.4		1.4		1.4			1
challenged students to	SE	.05		.05		.05		.05		.05			.06	.04		.05		.06		.06		.06			.0
do best work (1="Not at	CI up bnd	5.7		5.7		5.4		5.5		5.4			5.4	5.6		5.7		5.4		5.4		5.3			5
all" to 7="Very much").	CI low bnd	5.5		5.5		5.2		5.3		5.2			5.1	5.4		5.5		5.2		5.2		5.1			5
Academic	Mean	3.3		3.2		3.1		3.1		3.1			3.0	3.1		3.1		3.1		3.1		3.1			3
Emphasis	n	550		484		581		708		642			544	821		509		503		506		659			76
Perceived inst. emphasis	SD	0.7		0.8		0.7		0.7		0.7			0.8	0.8		0.8		0.8		0.8		0.8			0
on spending time	SE	.03		.03		.03		.03		.03			.03	.03		.03		.03		.04		.03			.0
studying and on acad.	CI up bnd	3.3		3.3		3.2		3.2		3.1			3.1	3.1		3.2		3.1		3.1		3.1			3
work (1 = "Very little" to 4 = "Very much").	CI low bnd	3.2		3.1		3.0		3.1		3.0			2.9	3.0		3.0		3.0		3.0		3.0			3
earning with Peer	rs																								
Collaborative	Mean	33.2		31.2		31.5		33.6		23.5			31.0	32.4		31.8		31.8		33.3		28.6			33
Learning	n	630		605		775		824		792			700	891		592		617		563		762			8
Learning	SD	13.9		15.1		14.5		15.1		14.5			14.3	15.0		15.8		14.8		16.2		15.9			15
	SE	.55		.61		.52		.53		.51			.54	.50		.65		.60		.68		.58			
	CI up bnd	34.3		32.4		32.5		34.7		24.5			32.0	33.4		33.1		32.9		34.6		29.7			34
	CI low bnd	32.1		30.0		30.5		32.6		22.5			29.9	31.4		30.5		30.6		32.0		27.5			32
Discussions	Mean	40.8		38.7		39.7		40.3		35.2			38.6	41.6		41.3		39.0		40.9		35.8			40
with Diverse	n	567		530		640		719		661			564	835		546		534		522		658			7
	SD	16.2		17.0		16.4		15.1		16.7			16.4	16.7		16.8		16.4		16.1		16.8			1
Others	SE	.68		.74		.65		.56		.65			.69	.58		.72		.71		.71		.65			
	CI up bnd	42.1		40.2		41.0		41.4		36.5			40.0	42.7		42.7		40.4		42.3		37.0			41
	CI low bnd	39.5		37.3		38.4		39.2		33.9			37.3	40.5		39.9		37.6		39.5		34.5			39

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).



Detailed Statistics: Engagement Indicators and Additional Challenge Items The University of Toledo

					First-	-year stud	ents			Seniors													
		'13	'14	'15	'16 '17	'18 '1	9 '20	'21	'22	'23	'24	'13	'14	'15	'16	'17	'18	'19	'20	'21	'22	'23	'2
Experiences with	Faculty																						
Student-	Mean	20.7	2	20.3	19.9	21	7	16.6			21.8	23.5		23.9		22.6		22.4		18.7			23.
Faculty	n	605	į	579	746	78	3	715			626	873		564		602		543		715			83
Interaction	SD	13.8	1	.5.0	14.8	15	0	13.2			14.6	16.3		16.9		14.9		15.9		15.2			16
interaction	SE	.56		.62	.54	.5	4	.49			.58	.55		.71		.61		.68		.57			.5
	CI up bnd	21.8	2	1.6	20.9	22	7	17.6			22.9	24.6		25.3		23.8		23.7		19.8			24.
	CI low bnd	19.6	1	.9.1	18.8	20	6	15.7			20.6	22.4		22.5		21.4		21.0		17.6			22.
Effective	Mean	40.5	3	8.2	37.3	37	5	37.1			36.6	39.1		39.0		36.4		37.6		34.8			37.
Teaching	n	617	į	589	743	75	1	691			603	890		576		598		532		692			80
Practices	SD	13.3	1	.4.0	13.2	13	7	13.8			13.3	14.1		13.8		13.4		13.7		14.2			14.
	SE	.54		.58	.49	.5	0	.52			.54	.47		.58		.55		.59		.54			.5
	CI up bnd	41.5	3	9.4	38.2	38	4	38.1			37.6	40.0		40.1		37.5		38.7		35.9			38.
	CI low bnd	39.4	3	37.1	36.3	36	5	36.0			35.5	38.1		37.9		35.4		36.4		33.8			36.2
Campus Environi	ment																						
Quality of	Mean	40.7	3	8.2	38.8	42	4	40.6			41.8	39.8		40.3		38.7		39.9		37.6			40.
Interactions	n	546	4	484	563	66	1	563			504	806		517		493		463		592			70
	SD	12.6	1	.3.1	12.5	12	0	13.3			11.7	12.0		12.1		12.5		12.8		13.4			12.
	SE	.54		.59	.53	.4	7	.56			.52	.42		.53		.56		.60		.55			.4
	CI up bnd	41.8	3	9.4	39.8	43	3	41.7			42.8	40.7		41.3		39.8		41.1		38.6			41.
	CI low bnd	39.7	3	7.1	37.8	41	4	39.5			40.7	39.0		39.2		37.6		38.7		36.5			39.
Supportive	Mean	35.6	3	3.5	33.6	35		31.1			34.5	30.7		32.2		30.3		31.2		28.1			31.
Environment	n	541	4	483	577	70	4	632			540	815		511		494		501		650			75
	SD	13.8		.5.0	13.6	14		13.9			13.2	14.5		14.0		13.4		13.8		14.0			14.0
	SE	.59		.68	.57	.5	3	.55			.57	.51		.62		.60		.62		.55			.5
	CI up bnd	36.7		34.8	34.7	36		32.2			35.7	31.7		33.4		31.5		32.5		29.2			32.
	CI low bnd	34.4	3	2.2	32.5	34	5	30.0			33.4	29.7		31.0		29.1		30.0		27.0			30.4

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).



Detailed Statistics: High-Impact Practices

The University of Toledo

			First-year students													Seniors													
		'13	'14	'15	'16	'17	'18	'19	'20	'21	'22	'23	'24	'13	'14	'15	'16	'17	'18	'19	'20	'21	'22	'23	'2 4				
Service-Learning ^a	%	49		48		46		47		42			57	57		54		56		52		58			58				
•	n	564		519		616		709		641			545	840		536		526		508		655			768				
	SE	2.1		2.2		2.0		1.9		1.9			2.1	1.7		2.2		2.2		2.2		1.9			1.8				
	CI up bnd	53		52		50		50		46			62	60		58		61		57		61			61				
	CI low bnd	45		43		42		43		38			53	53		49		52		48		54			54				
Learning	%	18		15		12		12		4			11	28		28		26		25		19			25				
Community ^a	n	567		531		624		713		646			552	837		541		530		506		655			769				
	SE	1.6		1.5		1.3		1.2		0.8			1.4	1.6		1.9		1.9		1.9		1.5			1.6				
	CI up bnd	21		18		14		14		6			14	31		32		30		29		22			28				
	CI low bnd	15		12		9		10		3			9	25		25		22		22		16			22				
Research with	%	6		6		4		3		3			8	25		23		24		19		16			23				
Faculty ^a	n	565		528		623		711		644			554	834		536		532		510		655			769				
	SE	1.0		1.0		8.0		0.7		0.7			1.1	1.5		1.8		1.9		1.7		1.5			1.5				
	CI up bnd	8		8		6		5		5			10	28		27		28		22		19			26				
	CI low bnd	4		4		3		2		2			5	22		20		21		16		14			20				
Internship or Field	%	82		76		75		77		74			70	55		55		58		58		53			65				
Experience ^b	n	569		531		629		718		647			558	845		545		534		512		663			774				
(First-year results: Plan to	SE	1.6		1.8		1.7		1.6		1.7			1.9	1.7		2.1		2.1		2.2		1.9			1.7				
(First-year results: Plan to do)	CI up bnd	85		80		78		80		77			74	59		59		62		62		57			69				
	CI low bnd	78		73		71		74		71			66	52		51		54		54		50			62				
Study Abroad ^b	%	28		31		30		26		23			23	7		11		7		9		5			6				
(First-year results: Plan to	n	567		529		620		715		644			553	841		540		527		510		661			767				
do)	SE	1.9		2.0		1.8		1.6		1.7			1.8	0.9		1.4		1.1		1.3		0.8			0.9				
	CI up bnd	32		35		33		29		26			26	9		14		9		11		7			8				
	CI low bnd	24		27		26		23		20			19	5		9		5		6		3			4				
Culminating Senior	%	62		50		53		50		43			47	40		39		42		33		29			43				
Experience ^b	n	569		531		616		709		645			551	835		541		532		510		658			765				
(First-year results: Plan to	SE	2.0		2.2		2.0		1.9		2.0			2.1	1.7		2.1		2.1		2.1		1.8			1.8				
do)	CI up bnd	66		54		57		54		47			51	44		43		46		37		33			46				
	CI low bnd	58		46		49		47		39			43	37		35		38		29		26			39				
Overall HIP Partici	pation ^c																												
Participated in one	%	45		43		44		46		40			49	22		22		23		26		31			24				
HIP	n	573		535		624		715		647			555	847		546		536		512		665			775				
••••	SE	2.1		2.1		2.0		1.9		1.9			2.1	1.4		1.8		1.8		1.9		1.8			1.5				
	CI up bnd	49		48		48		50		44			53	24		25		27		30		35			27				
	CI low bnd	41		39		40		42		37			44	19		18		20		22		28			21				
Participated in two	%	12		11		8		7		4			13	63		61		64		56		53			64				
or more HIPs	n	573		535		624		715		647			555	847		546		536		512		665			775				
5bic iiii 3	SE	1.4		1.3		1.1		1.0		0.8			1.4	1.7		2.1		2.1		2.2		1.9			1.7				
	CI up bnd	15		13		10		9		5			15	66		65		68		61		57			67				
	CI low bnd	10		8		6		5		2			10	60		57		60		52		49			61				

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).

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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.