



IUPUI
National Survey of Student Engagement
Report for
IUPUC
2018

IUPUI's Vision

To be a leading urban research institution recognized for the success of its students, its advances in health and life sciences, and its intellectual, economic, and cultural contributions to the well-being of the citizens of Indianapolis, the state of Indiana, and beyond.

Welcome to the 2018 IUPUC NSSE Report

The National Survey of Student Engagement (NSSE) was developed to document dimensions of quality in undergraduate education and provides information and assistance to colleges, universities, and other organizations to improve student learning. The final NSSE report consists of 12 scales, referred to as Engagement Indicators. These Engagement Indicators are grouped into four over-arching themes: Academic Challenge, Learning with Peers, Experiences with Faculty, and Campus Environment. In addition, NSSE also asks students about their engagement in High Impact Practices (HIPs) and the amount of time they spend engaged in various activities.

The following report is a summary of responses from the IUPUC compared to students from all of IUPUI that participated in NSSE. This report uses effect size to quantify differences between your school and peer means. Effect size is a measure of the magnitude of the difference between two means. Effect size differences for the NSSE Engagement Indicators can be interpreted at the number of standard deviations between the mean for your school and the mean for students majoring in similar programs at IUPUI peer institutions. Items are labeled as “Areas of Strength” (an effect size of 0.21 standard deviations greater than the benchmark programs average), “Asset to Protect” (between 0.05 and 0.2 standard deviations), “Issue to be Mindful of” (between -0.05 and -0.2 standard deviations below), and “Opportunity for Improvement” (-0.21 or more below the mean). A total of 56 First-year and 94 Senior students in the IUPUC had completed the survey.



2018 NSSE Report for IUPUC

Key Highlights Overall

- Fifty-eight percent of Senior respondents and 42% of First Year respondents plan to work more than 20 hours working for pay off campus.
- IUPUC Seniors rated significantly lower in their **Discussions with Diverse Others** but higher in **Effective Teaching Practices** and **Reflective & Integrative Learning** compared to their Peers.
- IUPUC First years rated significantly higher in **Learning Strategies** but significantly lower in **Discussions with Diverse Others**.
- Seventeen percent more IUPUC Senior respondents had completed an internship or field experience and 11% less completed study abroad compared to other IUPUI students.
- Twenty-two percent fewer IUPUC First year respondents had participated in a learning community but ten percent more had completed service-learning compared to other IUPUI students.

The table below displays the NSSE Engagement Indicators that are considered “Areas of Strength” and “Opportunities for Improvement” for IUPUC. For more information about the NSSE Engagement Indicators or the NSSE in general, please see http://nsse.indiana.edu/html/engagement_indicators.cfm.

Areas of Strength and Opportunities for Improvement

	Areas of Strength	Opportunities for Improvement
Seniors	Higher-Order Learning Reflective and Integrative Learning Learning Strategies Effective Teaching Practices Quality of Interactions	Quantitative Reasoning Discussions of Diverse Others Student-Faculty Interaction Supportive Environment
First Year	Higher-Order Learning Learning Strategies Effective Teaching Practices Quality of Interactions Supportive Environment	Reflective and Integrative Learning Quantitative Reasoning Collaborative Learning Discussions with Diverse Others Student-Faculty Interactions

Table 1
Academic Challenge
Senior

	N	Mean	Standard Deviation	All IUPUI Mean	Effect Size
Higher-Order Learning ^{a1}	87	42.7	12.4	40.8	0.53
Applying facts, theories, or methods to practical problems or new situations	90	3.11	0.73	3.2	
Analyzing an idea, experience, or line of reasoning in depth by examining its parts	88	3.11	0.82	3.1	
Evaluating a point of view, decision, or information source	88	3.16	0.74	2.9	
Forming a new idea or understanding from various pieces of information	89	3.09	0.76	2.9	
Reflective & Integrative Learning ^{b1}	93	40.1	12.4	37.7	0.69
Combined ideas from different courses when completing assignments	94	2.99	0.82	3.0	
Connected your learning to societal problems or issues	93	2.91	0.95	2.7	
Included diverse perspectives (political, religious, racial/ethnic, gender, etc.) in course discussions or assignments	93	2.75	0.96	2.5	
Examined the strengths and weaknesses of your own views on a topic or issue	93	2.91	0.82	2.8	
Tried to better understand someone else's views by imagining how an issue looks from his or her perspective	93	3.09	0.73	3.0	
Learned something that changed the way you understand an issue or concept	93	3.05	0.76	2.9	
Connected ideas from your courses to your prior experiences and knowledge	91	3.32	0.67	3.2	
Learning Strategies ^{b1}	84	39.4	15.4	38.2	0.31
Identified key information from reading assignments	85	3.16	0.86	3.1	
Reviewed your notes after class	85	2.88	0.93	2.8	
Summarized what you learned in class or from course materials	86	2.86	0.98	2.8	
Quantitative Reasoning ^{b4}	85	27.2	16.8	29.6	-0.59
Reached conclusions based on your own analysis of numerical information (numbers, graphs, statistics, etc.)	88	2.51	0.94	2.6	
Used numerical information to examine a real-world problem or issue (unemployment, climate change, public health, etc.)	86	2.29	0.98	2.4	
Evaluated what others have concluded from numerical information	87	2.23	0.89	2.4	

^a 1=Very Little, 2=Some, 3=Quite a bit, 4=Very much

^b 1=Never, 2=Sometimes, 3=Often, 4=Very Often

¹ Area of Strength ² Asset to Protect ³ Issue to be Mindful of ⁴ Opportunity for Improvement

Table 2
Learning with Peers
Senior

	N	Mean	Standard Deviation	All IUPUI Mean	Effect Size
Collaborative Learning^{a2}	93	33.7	13.0	33.1	0.16
Asked another student to help you understand course material	93	2.49	0.83	2.4	
Explained course material to one or more students	94	2.81	0.82	2.8	
Prepared for exams by discussing or working through course material with other students	94	2.46	1.00	2.5	
Worked with other students on course projects or assignments	94	2.99	0.86	2.9	
Discussions with Diverse Others^{a4}	86	38.0	14.2	42.7	-1.23
People from a race or ethnicity other than your own	87	2.82	0.91	3.2	
People from an economic background other than your own	86	2.94	0.82	3.2	
People with religious beliefs other than your own	86	2.80	0.84	3.1	
People with political views other than your own	87	3.05	0.83	3.1	

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Table 3
Experiences with Faculty
Senior

	N	Mean	Standard Deviation	All IUPUI Mean	Effect Size
Student-Faculty Interaction^{b4}	89	21.9	16.8	22.8	-0.22
Talked about career plans with a faculty member	91	2.44	1.09	2.5	
Worked w/faculty on activities other than coursework (committees, student groups, etc.)	90	1.72	1.02	1.9	
Discussed course topics, ideas, or concepts with a faculty member outside of class	91	2.11	1.06	2.1	
Discussed your academic performance with a faculty member	90	2.11	0.97	2.1	
Effective Teaching Practices^{a1}	89	41.7	14.2	38.9	0.75
Clearly explained course goals and requirements	89	3.31	0.83	3.1	
Taught course sessions in an organized way	88	3.10	0.86	3.0	
Used examples or illustrations to explain difficult points	89	3.10	0.88	3.1	
Provided feedback on a draft or work in progress	88	2.94	0.93	2.7	
Provided prompt and detailed feedback on tests or completed assignments	88	2.97	0.96	2.8	

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Table 4
Campus Environment
Senior

	N	Mean	Standard Deviation	All IUPUI Mean	Effect Size
Quality of Interactions^{b1}	76	44.0	11.2	41.7	0.68
Students	84	5.67	1.13	5.6	
Academic advisors	84	5.55	1.59	5.1	
Faculty	85	5.64	1.24	5.4	
Student Services Staff (career services, student activities, housing, etc.)	57	4.65	1.95	4.8	
Other administrative staff and offices (registrar, financial aid, etc.)	75	5.12	1.83	4.9	
Supportive Environment^{a4}	82	29.3	14.3	30.4	-0.30
Providing support to help students succeed academically	85	2.95	0.91	2.9	
Using learning support services (tutoring services, writing center, etc.)	84	2.81	1.02	2.8	
Encouraging contact among students from diff. backgrounds (soc., racial/eth., relig., etc)	85	2.61	1.06	2.7	
Providing opportunities to be involved socially	84	2.70	0.90	2.7	
Providing support for your overall well-being (recreation, health care, counseling, etc.)	84	2.30	0.99	2.5	
Helping you manage your non-academic responsibilities (work, family, etc.)	82	1.80	0.94	2.0	
Attending campus activities and events (performing arts, athletic events, etc.)	83	2.33	0.94	2.2	
Attending events that address important social, economic, or political issues	81	2.38	0.90	2.2	

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^b Stem= "Indicate the quality of your interactions with the following people at your institution"; 1= "Poor", 7= "Excellent"

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Table 5
Hours per week spent on activities
Senior

	N	0 Hours per Week	1-5 Hours	6-10 Hours	11-15 Hours	16-20 Hours	21-25 Hours	26-30 Hours	More than 30 hours
<i>IUPUI All Percentages</i>									
Preparing for class	83	0.0	13.3	25.3	21.7	13.3	13.3	7.2	6.0
	1,023	<0.1	14.4	24.9	22.1	14.9	9.7	6.4	7.3
Participating in co-curricular activities	84	72.6	19.0	4.8	0.0	3.6	0.0	0.0	0.0
	1,027	56.6	23.4	9.1	4.2	3.0	2.1	0.6	1.0
Working for pay on-campus	84	85.7	3.6	3.6	3.6	1.2	1.2	0.0	1.2
	1,025	75.9	2.4	6.7	5.5	3.8	2.5	1.5	1.7
Working for pay off-campus	83	19.3	2.4	4.8	3.6	12.0	16.9	7.2	33.7
	1,025	27.7	5.2	6.5	9.0	11.3	10.0	8.2	22.0
Doing community service or volunteer work	84	63.1	27.4	6.0	1.2	1.2	1.2	0.0	0.0
	1,025	49.8	37.1	6.0	3.5	1.9	1.2	<0.1	0.6
Relaxing and socializing	83	3.6	34.9	26.5	12.0	8.4	3.6	6.0	4.8
	1,022	3.3	30.0	27.0	18.8	10.9	2.9	2.9	4.1
Providing care for dependents	84	41.7	22.6	3.6	2.4	3.6	0.0	1.2	25.0
	1,023	62.0	11.0	4.9	3.3	2.2	1.1	1.2	14.7
Commuting to campus	84	8.3	61.9	23.8	3.6	0.0	0.0	0.0	2.4
	1,024	8.7	53.9	23.6	7.0	2.2	1.1	0.5	2.9

^a Chi-square test revealed statistically significant difference at $\alpha \leq 0.05$.

Table 6
High Impact Practices
Senior

	IUPUC Percent "Done"	Peer Percent "Done"	Difference
Service-Learning	61.6% (53)	70%	- 8.4%
Learning Community	25.6% (22)	28%	- 2.4%
Research with Faculty	29.1% (25)	24%	5.1%
Internship or Field Experience	69.8% (60)	53%	16.8%
Study Abroad	3.5% (3)	14%	- 10.5%
Culminating Senior Experience	54.7% (47)	51%	3.7%

N included in parentheses

Figure 1
Number of High Impact Practices Completed
Senior

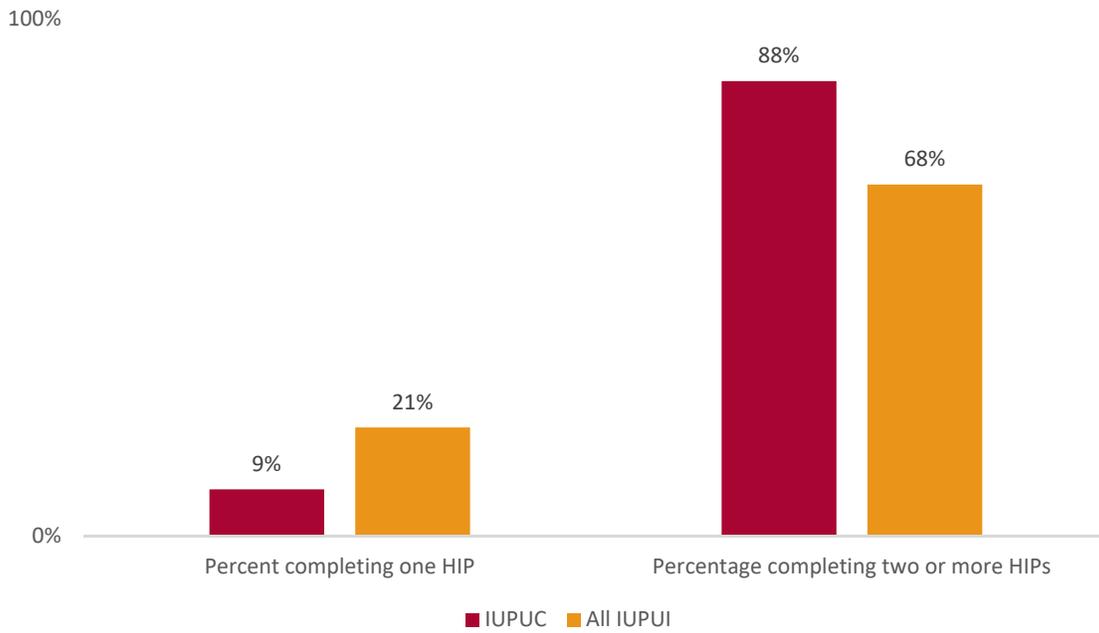


Table 7
Academic Challenge
First Year

	N	Mean	Standard Deviation	All IUPUI Mean	Effect Size
Higher-Order Learning ^{a1}	51	39.1	12.2	37.7	0.40
Applying facts, theories, or methods to practical problems or new situations	51	2.96	0.75	3.0	
Analyzing an idea, experience, or line of reasoning in depth by examining its parts	51	2.86	0.75	2.9	
Evaluating a point of view, decision, or information source	51	3.06	0.71	2.8	
Forming a new idea or understanding from various pieces of information	51	2.94	0.71	2.9	
Reflective & Integrative Learning ^{b4}	54	34.6	10.7	35.6	-0.30
Combined ideas from different courses when completing assignments	55	2.55	0.79	2.7	
Connected your learning to societal problems or issues	55	2.71	0.76	2.6	
Included diverse perspectives (political, religious, racial/ethnic, gender, etc.) in course discussions or assignments	55	2.60	0.78	2.5	
Examined the strengths and weaknesses of your own views on a topic or issue	54	2.70	0.66	2.8	
Tried to better understand someone else's views by imagining how an issue looks from his or her perspective	53	2.79	0.74	3.0	
Learned something that changed the way you understand an issue or concept	54	2.80	0.71	2.9	
Connected ideas from your courses to your prior experiences and knowledge	53	2.94	0.69	3.1	
Learning Strategies ^{b1}	46	42.6	14.2	39.3	0.89
Identified key information from reading assignments	47	3.19	0.74	3.0	
Reviewed your notes after class	47	3.04	0.96	3.0	
Summarized what you learned in class or from course materials	46	3.11	0.80	2.9	
Quantitative Reasoning ^{b4}	48	25.3	14.6	26.9	-0.41
Reached conclusions based on your own analysis of numerical information (numbers, graphs, statistics, etc.)	50	2.36	0.80	2.6	
Used numerical information to examine a real-world problem or issue (unemployment, climate change, public health, etc.)	49	2.24	0.86	2.2	
Evaluated what others have concluded from numerical information	48	2.17	0.83	2.3	

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Table 8
Learning with Peers
First Year

	N	Mean	Standard Deviation	All IUPUI Mean	Effect Size
Collaborative Learning^{a4}	55	32.2	13.3	34.2	-0.55
Asked another student to help you understand course material	55	2.67	0.86	2.7	
Explained course material to one or more students	55	2.58	0.71	2.8	
Prepared for exams by discussing or working through course material with other students	55	2.62	0.97	2.6	
Worked with other students on course projects or assignments	55	2.56	0.86	2.56	
Discussions with Diverse Others^{a4}	47	33.9	18.1	41.0	-1.73
People from a race or ethnicity other than your own	47	2.70	1.10	3.1	
People from an economic background other than your own	47	2.60	1.06	3.0	
People with religious beliefs other than your own	47	2.79	1.00	3.0	
People with political views other than your own	47	2.70	0.95	3.0	

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Table 9
Experiences with Faculty
First Year

	N	Mean	Standard Deviation	All IUPUI Mean	Effect Size
Student-Faculty Interaction^{b4}	51	21.9	15.8	23.0	-0.28
Talked about career plans with a faculty member	53	2.55	0.89	2.5	
Worked w/faculty on activities other than coursework (committees, student groups, etc.)	50	1.74	0.99	1.9	
Discussed course topics, ideas, or concepts with a faculty member outside of class	52	1.94	0.92	2.1	
Discussed your academic performance with a faculty member	50	2.18	0.92	2.2	
Effective Teaching Practices^{a1}	50	41.4	12.8	39.7	0.48
Clearly explained course goals and requirements	50	3.08	0.80	3.1	
Taught course sessions in an organized way	50	3.08	0.78	3.1	
Used examples or illustrations to explain difficult points	50	3.20	0.76	3.1	
Provided feedback on a draft or work in progress	50	3.00	0.86	2.9	
Provided prompt and detailed feedback on tests or completed assignments	50	3.00	0.86	2.8	

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Table 10
Campus Environment
First Year

	N	Mean	Standard Deviation	All IUPUI Mean	Effect Size
Quality of Interactions^{b1}	44	43.6	13.1	42.0	0.45
Students	46	5.11	1.56	5.3	
Academic advisors	45	5.91	1.43	5.4	
Faculty	46	5.33	1.73	5.3	
Student Services Staff (career services, student activities, housing, etc.)	35	5.17	1.99	4.9	
Other administrative staff and offices (registrar, financial aid, etc.)	43	5.09	1.70	5.0	
Supportive Environment^{a1}	43	37.8	14.1	36.1	0.46
Providing support to help students succeed academically	44	3.16	0.61	3.1	
Using learning support services (tutoring services, writing center, etc.)	43	3.19	0.82	3.2	
Encouraging contact among students from diff. backgrounds	43	2.84	1.02	2.8	
Providing opportunities to be involved socially	43	3.12	0.76	2.9	
Providing support for your overall well-being (recreation, health care, counseling, etc.)	43	2.93	0.88	2.9	
Helping you manage your non-academic responsibilities (work, family, etc.)	42	2.60	1.04	2.4	
Attending campus activities and events (performing arts, athletic events, etc.)	43	2.72	0.96	2.6	
Attending events that address important social, economic, or political issues	43	2.56	0.93	2.5	

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Table 11
Hours per week spent on activities
First Year

	N	0 Hours per Week	1-5 Hours	6-10 Hours	11-15 Hours	16-20 Hours	21-25 Hours	26-30 Hours	More than 30 hours
<i>Peer Percentages</i>									
Preparing for class	43	0.0	9.3	27.9	30.2	14.0	9.3	2.3	7.0
	807	0.1	11.5	25.9	23.2	18.5	10.5	5.7	4.6
Participating in co-curricular activities ^a	42	59.5	26.2	9.5	4.8	0.0	0.0	0.0	0.0
	801	38.1	35.5	13.9	6.7	2.9	2.1	0.5	0.4
Working for pay on-campus ^a	43	88.4	2.3	2.3	4.7	2.3	0.0	0.0	0.0
	803	81.4	2.6	5.9	5.5	2.5	1.7	0.0	0.4
Working for pay off-campus ^a	43	23.3	0.0	4.7	16.3	14.0	18.6	7.0	16.3
	801	51.2	5.4	8.4	8.4	9.6	8.5	3.6	5.0
Doing community service or volunteer work ^a	43	67.4	25.6	4.7	2.3	0.0	0.0	0.0	0.0
	801	47.4	40.1	7.0	2.7	1.6	0.5	0.2	0.4
Relaxing and socializing	43	0.0	20.9	32.6	16.3	16.3	2.3	4.7	7.0
	804	0.9	20.6	29.1	22.5	12.7	5.3	3.0	5.8
Providing care for dependents ^a	43	53.5	23.3	0.0	9.3	0.0	0.0	2.3	11.6
	799	73.1	15.0	4.6	3.6	0.6	0.9	0.4	1.8
Commuting to campus ^a	43	9.3	65.1	11.6	7.0	2.3	0.0	0.0	4.7
	802	25.7	45.9	17.5	6.0	1.5	1.4	0.6	1.5

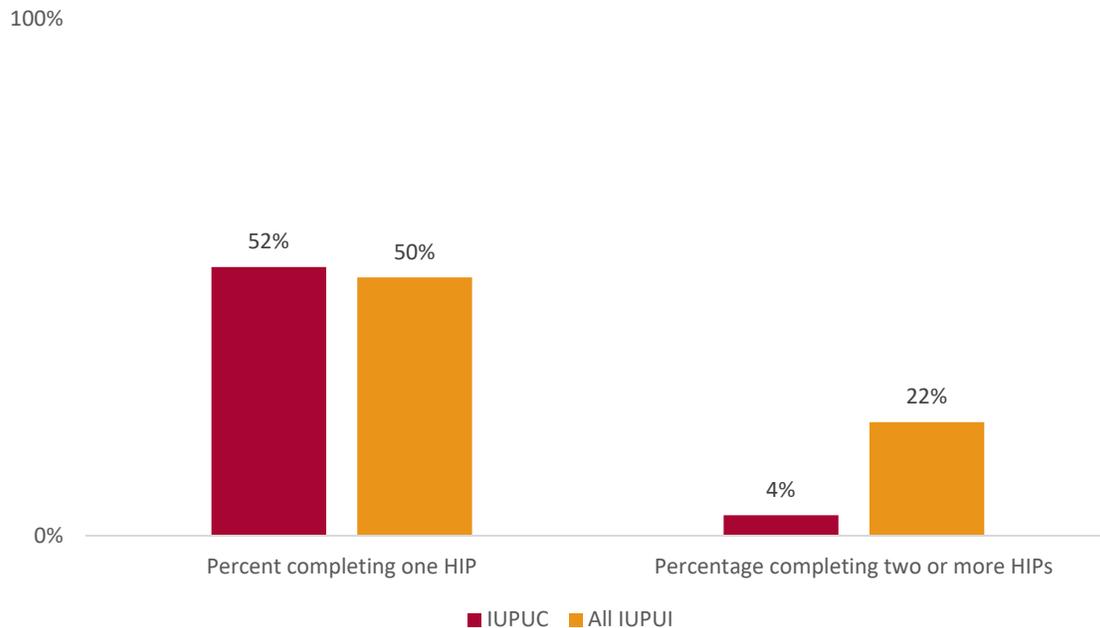
^a Chi-square test revealed statistically significant difference at $\alpha \leq 0.05$.

Table 12
High Impact Practices
First Year

	IUPUC "Done"	Peer Percent "Done"	Difference
Service-Learning	53.3% (24)	63%	-9.7%
Learning Community	6.7% (3)	29%	- 22.3%
Research with Faculty	2.2% (1)	4%	- 1.8%

N included in parentheses

Figure 2
Number of High Impact Practices Completed
First Year



2018 NSSE Report for IUPUC

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