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# NSSE 2021

## Engagement Indicators

Washington State University

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### About Your Engagement Indicators Report

Engagement Indicators (EIs) provide a useful summary of the detailed information contained in your students' NSSE responses. By combining responses to related NSSE questions, each EI offers valuable information about a distinct aspect of student engagement. Ten indicators, based on three to eight survey questions each (a total of 47 survey questions), are organized into four broad themes as shown at right.

Theme	Engagement Indicator
<i>Academic Challenge</i>	Higher-Order Learning Reflective & Integrative Learning Learning Strategies Quantitative Reasoning
<i>Learning with Peers</i>	Collaborative Learning Discussions with Diverse Others
<i>Experiences with Faculty</i>	Student-Faculty Interaction Effective Teaching Practices
<i>Campus Environment</i>	Quality of Interactions Supportive Environment

### Report Sections

#### Overview (p. 3)

Displays how average EI scores for your students compare with those of students at your comparison group institutions.

#### Theme Reports (pp. 4-13)

Detailed views of EI scores within the four themes for your students and those at comparison group institutions. Three views offer varied insights into your EI scores:

##### Mean Comparisons

Straightforward comparisons of average scores between your students and those at comparison group institutions, with tests of significance and effect sizes (see below).

##### Score Distributions

Box-and-whisker charts show the variation in scores *within* your institution and comparison groups.

##### Performance on Indicator Items

Responses to each item in a given EI are summarized for your institution and comparison groups.

#### Comparisons with High-Performing Institutions (p. 15)

Comparisons of your students' average scores on each EI with those of students at institutions whose average scores were in the top 50% and top 10% of 2020 and 2021 participating institutions.

#### Detailed Statistics (pp. 16-19)

Detailed information about EI score means, distributions, and tests of statistical significance.

### Interpreting Comparisons

Mean comparisons report both statistical significance and effect size. Effect size indicates the practical importance of an observed difference. For EI comparisons, NSSE research has concluded that an effect size of about .1 may be considered small, .3 medium, and .5 large (Rocconi & Gonyea, 2018). Comparisons with an effect size of at least .3 in magnitude (before rounding) are highlighted in the Overview (p. 3).

*EIs vary more among students within an institution than between institutions*, like many experiences and outcomes in higher education. As a result, focusing attention on average scores alone amounts to examining the tip of the iceberg. It's equally important to understand how student engagement varies within your institution. Score distributions indicate how EI scores vary among your students and those in your comparison groups. Your NSSE Tableau dashboards and Report Builder (released in the fall) offer valuable perspectives on internal variation and help you investigate your students' engagement in depth.

### How Engagement Indicators are Computed

Each EI is scored on a 60-point scale. To produce an indicator score, the response set for each item is converted to a 60-point scale (e.g., Never = 0; Sometimes = 20; Often = 40; Very often = 60), and the rescaled items are averaged. Thus a score of zero means a student responded at the bottom of the scale for every item in the EI, while a score of 60 indicates responses at the top of the scale on every item.

For more information on EIs and their psychometric properties, refer to the NSSE website: [nsse.indiana.edu](https://nsse.indiana.edu)

Rocconi, L.M., & Gonyea, R.M. (2018). Contextualizing effect sizes in the National Survey of Student Engagement: An empirical analysis. *Research & Practice in Assessment*, 13 (Summer/Fall), pp. 22-38.

## Engagement Indicators: Overview

Engagement Indicators are summary measures based on sets of NSSE questions examining key dimensions of student engagement. The ten indicators are organized within four broad themes: Academic Challenge, Learning with Peers, Experiences with Faculty, and Campus Environment. The tables below compare average scores for your students with those in your comparison groups.

Use the following key:

- ▲ **Your students' average** was significantly higher ( $p < .05$ ) with an effect size at least .3 in magnitude.
- △ **Your students' average** was significantly higher ( $p < .05$ ) with an effect size less than .3 in magnitude.
- No significant difference.
- ▽ **Your students' average** was significantly lower ( $p < .05$ ) with an effect size less than .3 in magnitude.
- ▼ **Your students' average** was significantly lower ( $p < .05$ ) with an effect size at least .3 in magnitude.

### First-Year Students

<i>Theme</i>	<i>Engagement Indicator</i>	<b>Your first-year students</b> compared with Public RUVH-Carn ('21)
	Higher-Order Learning	--
<i>Academic Challenge</i>	Reflective & Integrative Learning	--
	Learning Strategies	▽
	Quantitative Reasoning	--
<i>Learning with Peers</i>	Collaborative Learning	▽
	Discussions with Diverse Others	▽
<i>Experiences with Faculty</i>	Student-Faculty Interaction	--
	Effective Teaching Practices	--
<i>Campus Environment</i>	Quality of Interactions	▽
	Supportive Environment	▽

### Seniors

<i>Theme</i>	<i>Engagement Indicator</i>	<b>Your seniors</b> compared with Public RUVH-Carn ('21)
	Higher-Order Learning	△
<i>Academic Challenge</i>	Reflective & Integrative Learning	△
	Learning Strategies	--
	Quantitative Reasoning	△
<i>Learning with Peers</i>	Collaborative Learning	△
	Discussions with Diverse Others	--
<i>Experiences with Faculty</i>	Student-Faculty Interaction	--
	Effective Teaching Practices	--
<i>Campus Environment</i>	Quality of Interactions	--
	Supportive Environment	▽

### Academic Challenge: First-year students

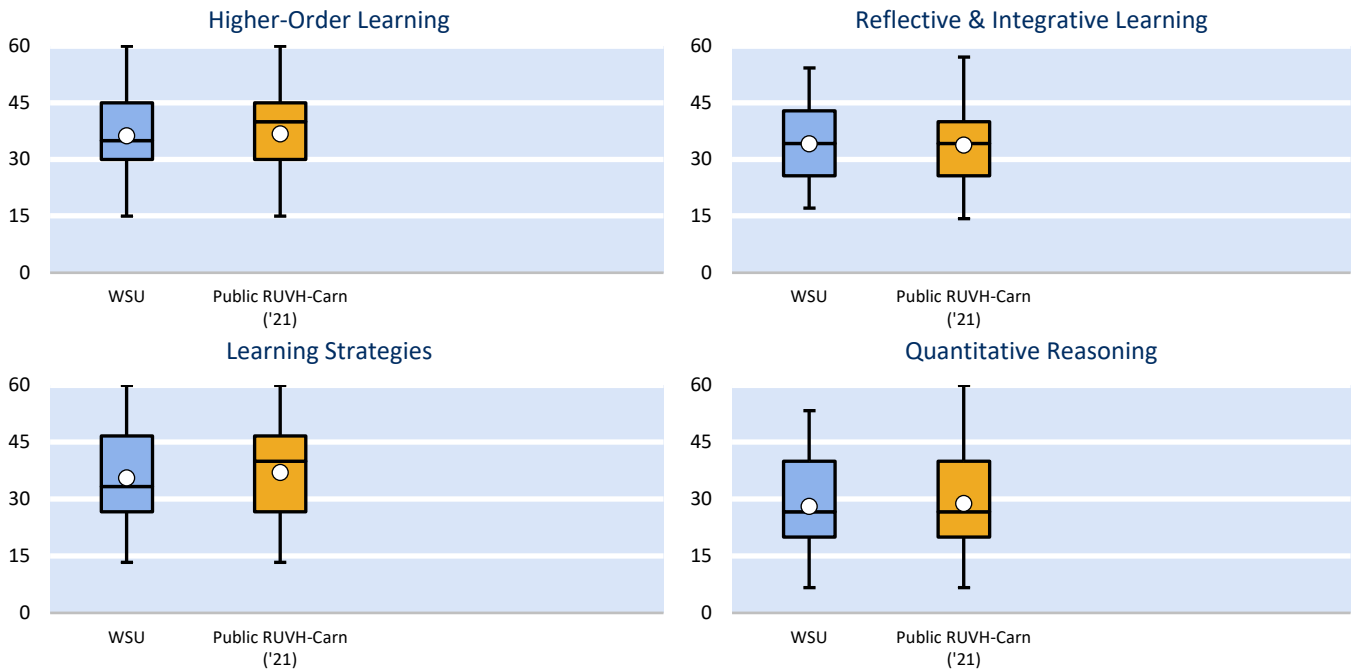
Challenging intellectual and creative work is central to student learning and collegiate quality. Colleges and universities promote student learning by challenging and supporting them to engage in various forms of deep learning. Four Engagement Indicators are part of this theme: *Higher-Order Learning*, *Reflective & Integrative Learning*, *Learning Strategies*, and *Quantitative Reasoning*. Below and on the next page are three views of your results alongside those of your comparison groups.

#### Mean Comparisons

Engagement Indicator	WSU Mean	Your first-year students compared with	
		Public RUVH-Carn ('21) Mean	Effect size
Higher-Order Learning	36.3	36.9	-.04
Reflective & Integrative Learning	34.2	33.8	.03
Learning Strategies	35.6	37.0 **	-.10
Quantitative Reasoning	28.1	28.8	-.05

Notes: Results weighted by institution-reported sex and enrollment status (and institution size for comparison groups); Effect size: Mean difference divided by pooled standard deviation; Symbols on the Overview page are based on effect size and p before rounding; \*p < .05, \*\*p < .01, \*\*\*p < .001 (2-tailed).

#### Score Distributions



Notes: Each box-and-whiskers chart plots the 5th (bottom of lower bar), 25th (bottom of box), 50th (middle line), 75th (top of box), and 95th (top of upper bar) percentile scores. The dot represents the mean score. Refer to Detailed Statistics for your institution's sample sizes.

#### Academic Challenge: First-year students (continued)

##### Performance on Indicator Items

The table below displays how your students responded to each EI item, and the difference, in percentage points, between your students and those of your comparison group. Blue bars indicate how much higher your institution's percentage is from that of the comparison group. Dark red bars indicate how much lower your institution's percentage is from that of the comparison group.

	WSU	Percentage point difference <sup>a</sup> between your FY students and Public RUVH-Carn ('21)
<b>Higher-Order Learning</b>		
<i>Percentage responding "Very much" or "Quite a bit" about how much coursework emphasized...</i>		
	%	
4b. Applying facts, theories, or methods to practical problems or new situations	64	-4
4c. Analyzing an idea, experience, or line of reasoning in depth by examining its parts	64	-3
4d. Evaluating a point of view, decision, or information source	69	+3
4e. Forming a new idea or understanding from various pieces of information	68	+1
<b>Reflective &amp; Integrative Learning</b>		
<i>Percentage of students who responded that they "Very often" or "Often"...</i>		
2a. Combined ideas from different courses when completing assignments	47	+1
2b. Connected your learning to societal problems or issues	50	+3
2c. Included diverse perspectives (political, religious, racial/ethnic, gender, etc.) in course discussions or assignments	53	+3
2d. Examined the strengths and weaknesses of your own views on a topic or issue	61	-0
2e. Tried to better understand someone else's views by imagining how an issue looks from his or her perspective	65	-3
2f. Learned something that changed the way you understand an issue or concept	65	+4
2g. Connected ideas from your courses to your prior experiences and knowledge	74	-0
<b>Learning Strategies</b>		
<i>Percentage of students who responded that they "Very often" or "Often"...</i>		
9a. Identified key information from reading assignments	72	+2
9b. Reviewed your notes after class	58	-6
9c. Summarized what you learned in class or from course materials	56	-5
<b>Quantitative Reasoning</b>		
<i>Percentage of students who responded that they "Very often" or "Often"...</i>		
6a. Reached conclusions based on your own analysis of numerical information (numbers, graphs, statistics, etc.)	52	-2
6b. Used numerical information to examine a real-world problem or issue (unemployment, climate change, public health, etc.)	41	-1
6c. Evaluated what others have concluded from numerical information	38	-3

Notes: Refer to your *Frequencies and Statistical Comparisons* report for full distributions and significance tests. Item numbering corresponds to the survey facsimile available on the NSSE website.

a. Percentage point difference = Institution percentage – Comparison group percentage. Because results are rounded to whole numbers, differences of less than 1 point may or may not display a bar. Small, but nonzero differences may be represented as +0 or -0.

### Academic Challenge: Seniors

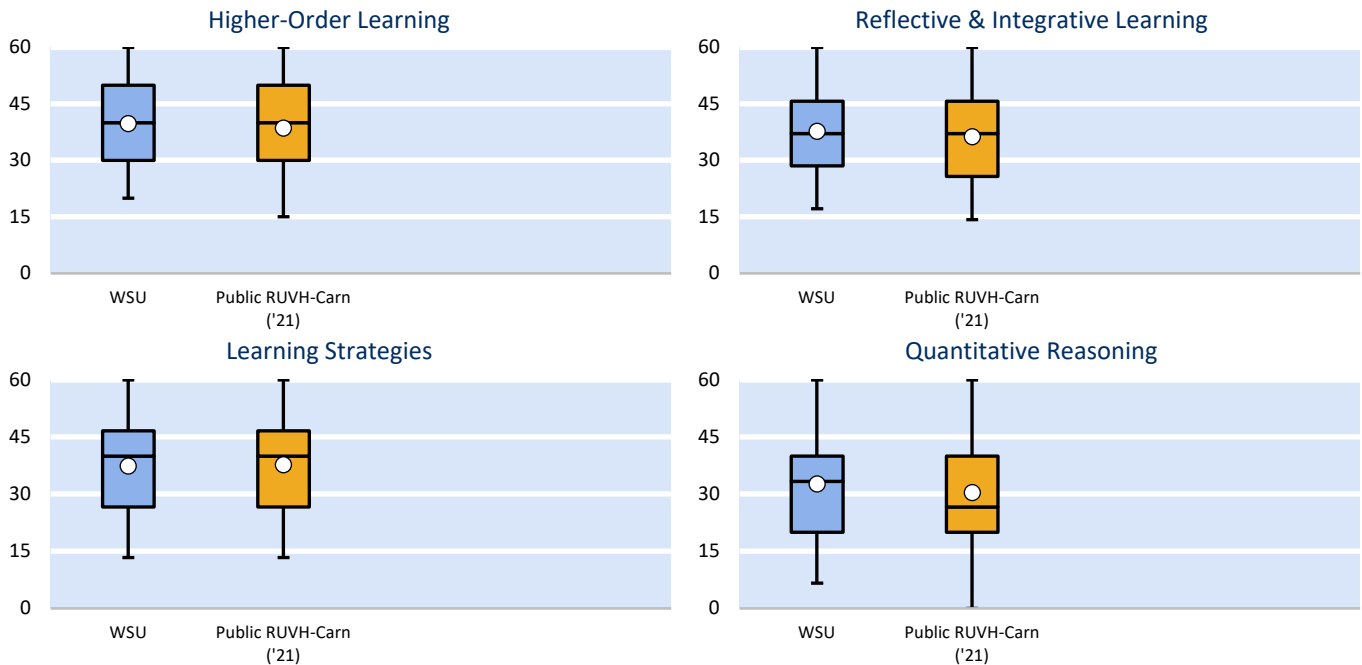
Challenging intellectual and creative work is central to student learning and collegiate quality. Colleges and universities promote student learning by challenging and supporting them to engage in various forms of deep learning. Four Engagement Indicators are part of this theme: *Higher-Order Learning*, *Reflective & Integrative Learning*, *Learning Strategies*, and *Quantitative Reasoning*. Below and on the next page are three views of your results alongside those of your comparison groups.

#### Mean Comparisons

Engagement Indicator	Your seniors compared with		
	WSU	Public RUVH-Carn ('21)	Effect size
Higher-Order Learning	39.8	38.7 **	.08
Reflective & Integrative Learning	37.8	36.4 ***	.11
Learning Strategies	37.3	37.7	-.03
Quantitative Reasoning	32.6	30.4 ***	.14

Notes: Results weighted by institution-reported sex and enrollment status (and institution size for comparison groups); Effect size: Mean difference divided by pooled standard deviation; Symbols on the Overview page are based on effect size and p before rounding; \*p < .05, \*\*p < .01, \*\*\*p < .001 (2-tailed).

#### Score Distributions



Notes: Each box-and-whiskers chart plots the 5th (bottom of lower bar), 25th (bottom of box), 50th (middle line), 75th (top of box), and 95th (top of upper bar) percentile scores. The dot represents the mean score. Refer to Detailed Statistics for your institution's sample sizes.

## Academic Challenge: Seniors (continued)

### Performance on Indicator Items

The table below displays how your students responded to each EI item, and the difference, in percentage points, between your students and those of your comparison group. Blue bars indicate how much higher your institution's percentage is from that of the comparison group. Dark red bars indicate how much lower your institution's percentage is from that of the comparison group.

	WSU	Public RUVH-Carn ('21)
<b>Higher-Order Learning</b>		
<i>Percentage responding "Very much" or "Quite a bit" about how much coursework emphasized...</i>		
	%	
4b. Applying facts, theories, or methods to practical problems or new situations	77	+4
4c. Analyzing an idea, experience, or line of reasoning in depth by examining its parts	74	+2
4d. Evaluating a point of view, decision, or information source	71	+4
4e. Forming a new idea or understanding from various pieces of information	73	+3
<b>Reflective &amp; Integrative Learning</b>		
<i>Percentage of students who responded that they "Very often" or "Often"...</i>		
2a. Combined ideas from different courses when completing assignments	71	+7
2b. Connected your learning to societal problems or issues	59	+3
2c. Included diverse perspectives (political, religious, racial/ethnic, gender, etc.) in course discussions or assignments	52	+4
2d. Examined the strengths and weaknesses of your own views on a topic or issue	65	+2
2e. Tried to better understand someone else's views by imagining how an issue looks from his or her perspective	73	+3
2f. Learned something that changed the way you understand an issue or concept	72	+4
2g. Connected ideas from your courses to your prior experiences and knowledge	84	+5
<b>Learning Strategies</b>		
<i>Percentage of students who responded that they "Very often" or "Often"...</i>		
9a. Identified key information from reading assignments	75	+2
9b. Reviewed your notes after class	58	-3
9c. Summarized what you learned in class or from course materials	63	-1
<b>Quantitative Reasoning</b>		
<i>Percentage of students who responded that they "Very often" or "Often"...</i>		
6a. Reached conclusions based on your own analysis of numerical information (numbers, graphs, statistics, etc.)	62	+6
6b. Used numerical information to examine a real-world problem or issue (unemployment, climate change, public health, etc.)	52	+6
6c. Evaluated what others have concluded from numerical information	50	+3

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### Learning with Peers: First-year students

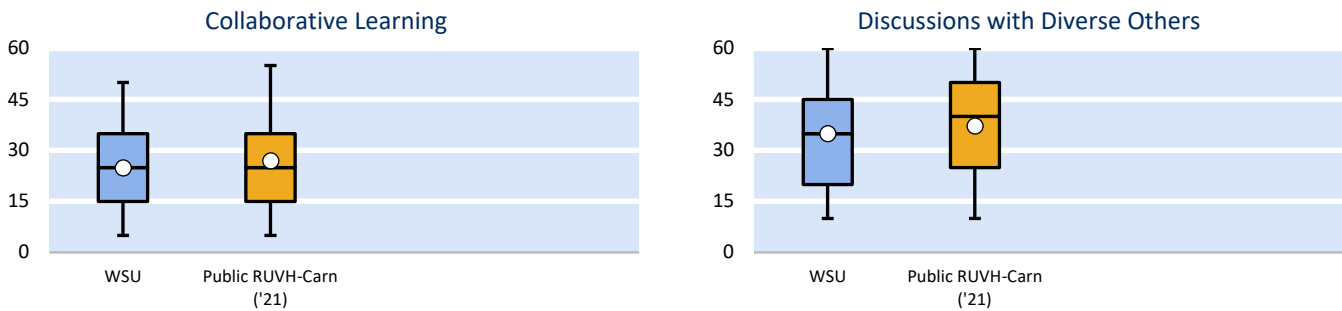
Collaborating with others in mastering difficult material and developing interpersonal and social competence prepare students to deal with complex, unscripted problems they will encounter during and after college. Two Engagement Indicators make up this theme: *Collaborative Learning* and *Discussions with Diverse Others*. Below are three views of your results alongside those of your comparison groups.

#### Mean Comparisons

Engagement Indicator	WSU Mean	Your first-year students compared with	
		Public RUVH-Carn ('21) Mean	Effect size
Collaborative Learning	24.8	26.9 ***	-.14
Discussions with Diverse Others	34.9	37.1 ***	-.14

Notes: Results weighted by institution-reported sex and enrollment status (and institution size for comparison groups); Effect size: Mean difference divided by pooled standard deviation; Symbols on the Overview page are based on effect size and p before rounding; \*p < .05, \*\*p < .01, \*\*\*p < .001 (2-tailed).

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Engagement Indicator	WSU %	Percentage point difference <sup>a</sup> between your FY students and
		Public RUVH-Carn ('21)
<b>Collaborative Learning</b>		
<i>Percentage of students who responded that they "Very often" or "Often"...</i>		
1b. Asked another student to help you understand course material	38	-4
1c. Explained course material to one or more students	36	-7
1d. Prepared for exams by discussing or working through course material with other students	28	-5
1e. Worked with other students on course projects or assignments	37	-4
<b>Discussions with Diverse Others</b>		
<i>Percentage of students who responded that they "Very often" or "Often" had discussions with...</i>		
8a. People of a race or ethnicity other than your own	59	-6
8b. People from an economic background other than your own	62	-4
8c. People with religious beliefs other than your own	58	-5
8d. People with political views other than your own	58	-3

Notes: Refer to your *Frequencies and Statistical Comparisons* report for full distributions and significance tests. Item numbering corresponds to the survey facsimile available on the NSSE website.

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### Learning with Peers: Seniors

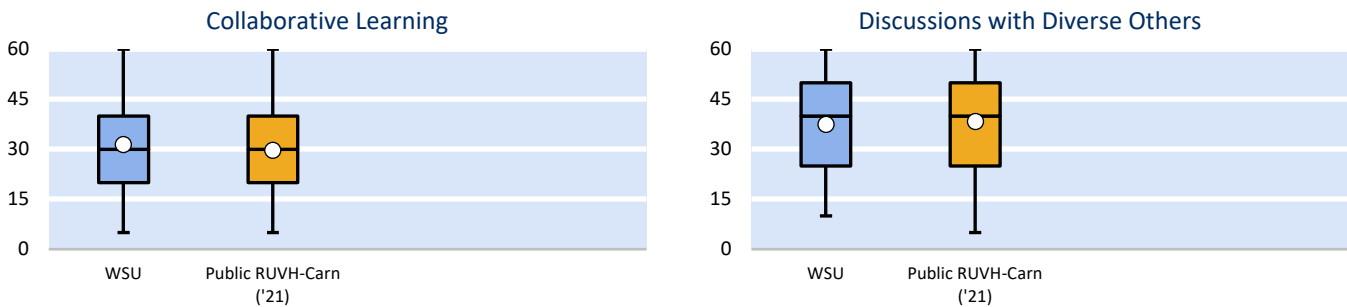
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#### Mean Comparisons

Engagement Indicator	WSU Mean	Your seniors compared with	
		Public RUVH-Carn ('21) Mean	Effect size
Collaborative Learning	31.4	29.7 ***	.11
Discussions with Diverse Others	37.6	38.3	-.05

Notes: Results weighted by institution-reported sex and enrollment status (and institution size for comparison groups); Effect size: Mean difference divided by pooled standard deviation; Symbols on the Overview page are based on effect size and p before rounding; \*p < .05, \*\*p < .01, \*\*\*p < .001 (2-tailed).

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#### Performance on Indicator Items

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	WSU	Percentage point difference <sup>a</sup> between your seniors and Public RUVH-Carn ('21)
<b>Collaborative Learning</b>		
<i>Percentage of students who responded that they "Very often" or "Often"...</i>		
	%	
1b. Asked another student to help you understand course material	46	+5
1c. Explained course material to one or more students	50	+1
1d. Prepared for exams by discussing or working through course material with other students	42	+3
1e. Worked with other students on course projects or assignments	64	+6
<b>Discussions with Diverse Others</b>		
<i>Percentage of students who responded that they "Very often" or "Often" had discussions with...</i>		
8a. People of a race or ethnicity other than your own	68	-0
8b. People from an economic background other than your own	68	-1
8c. People with religious beliefs other than your own	62	-2
8d. People with political views other than your own	60	-1

Notes: Refer to your *Frequencies and Statistical Comparisons* report for full distributions and significance tests. Item numbering corresponds to the survey facsimile available on the NSSE website.

a. Percentage point difference = Institution percentage – Comparison group percentage. Because results are rounded to whole numbers, differences of less than 1 point may or may not display a bar. Small, but nonzero differences may be represented as +0 or -0.

### Experiences with Faculty: First-year students

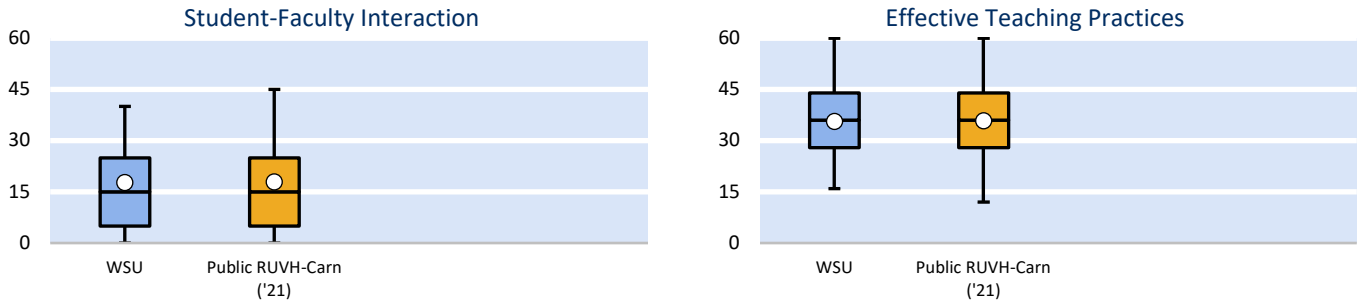
Students learn firsthand how experts think about and solve problems by interacting with faculty members inside and outside of instructional settings. As a result, faculty become role models, mentors, and guides for lifelong learning. In addition, effective teaching requires that faculty deliver course material and provide feedback in student-centered ways. Two Engagement Indicators investigate this theme: *Student-Faculty Interaction* and *Effective Teaching Practices*. Below are three views of your results alongside those of your comparison groups.

#### Mean Comparisons

Engagement Indicator	WSU Mean	Your first-year students compared with	
		Public RUVH-Carn ('21) Mean	Effect size
Student-Faculty Interaction	17.7	17.9	-.01
Effective Teaching Practices	35.6	35.7	-.01

Notes: Results weighted by institution-reported sex and enrollment status (and institution size for comparison groups); Effect size: Mean difference divided by pooled standard deviation; Symbols on the Overview page are based on effect size and p before rounding: \*p < .05, \*\*p < .01, \*\*\*p < .001 (2-tailed).

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The table below displays how your students responded to each EI item, and the difference, in percentage points, between your students and those of your comparison group. Blue bars indicate how much higher your institution's percentage is from that of the comparison group. Dark red bars indicate how much lower your institution's percentage is from that of the comparison group.

	WSU	Percentage point difference <sup>a</sup> between your FY students and Public RUVH-Carn ('21)
<b>Student-Faculty Interaction</b>		
<i>Percentage of students who responded that they "Very often" or "Often"...</i>		
3a. Talked about career plans with a faculty member	35	+4
3b. Worked w/faculty on activities other than coursework (committees, student groups, etc.)	16	-1
3c. Discussed course topics, ideas, or concepts with a faculty member outside of class	19	-0
3d. Discussed your academic performance with a faculty member	20	-3
<b>Effective Teaching Practices</b>		
<i>Percentage responding "Very much" or "Quite a bit" about how much instructors have...</i>		
5a. Clearly explained course goals and requirements	72	-0
5b. Taught course sessions in an organized way	72	+3
5c. Used examples or illustrations to explain difficult points	68	+1
5d. Provided feedback on a draft or work in progress	55	-1
5e. Provided prompt and detailed feedback on tests or completed assignments	48	-3

Notes: Refer to your *Frequencies and Statistical Comparisons* report for full distributions and significance tests. Item numbering corresponds to the survey facsimile available on the NSSE website.

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### Experiences with Faculty: Seniors

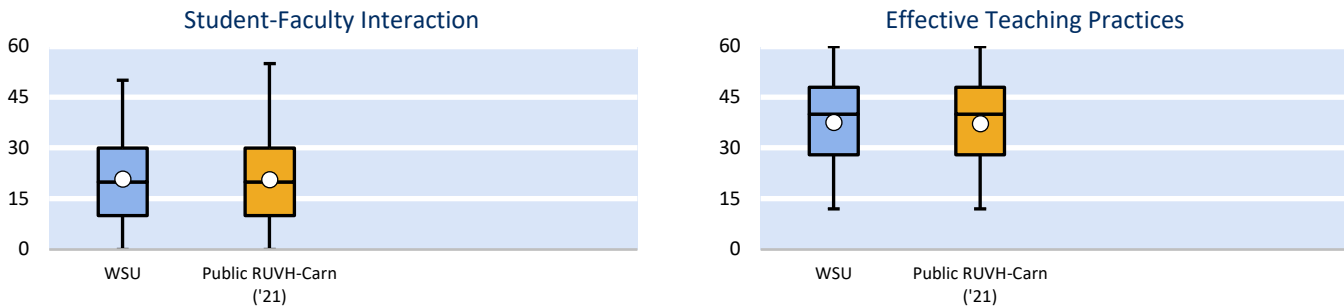
Students learn firsthand how experts think about and solve problems by interacting with faculty members inside and outside of instructional settings. As a result, faculty become role models, mentors, and guides for lifelong learning. In addition, effective teaching requires that faculty deliver course material and provide feedback in student-centered ways. Two Engagement Indicators investigate this theme: *Student-Faculty Interaction* and *Effective Teaching Practices*. Below are three views of your results alongside those of your comparison groups.

#### Mean Comparisons

Engagement Indicator	WSU Mean	Your seniors compared with	
		Public RUVH-Carn ('21) Mean	Effect size
Student-Faculty Interaction	20.8	20.6	.01
Effective Teaching Practices	37.5	37.1	.03

Notes: Results weighted by institution-reported sex and enrollment status (and institution size for comparison groups); Effect size: Mean difference divided by pooled standard deviation; Symbols on the Overview page are based on effect size and p before rounding: \*p < .05, \*\*p < .01, \*\*\*p < .001 (2-tailed).

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	WSU	Public RUVH-Carn ('21)	Percentage point difference <sup>a</sup> between your seniors and
<b>Student-Faculty Interaction</b>			
Percentage of students who responded that they "Very often" or "Often"...			
3a. Talked about career plans with a faculty member	35	-1	-1
3b. Worked w/faculty on activities other than coursework (committees, student groups, etc.)	23	-1	-1
3c. Discussed course topics, ideas, or concepts with a faculty member outside of class	24	-1	-1
3d. Discussed your academic performance with a faculty member	25	-1	-1
<b>Effective Teaching Practices</b>			
Percentage responding "Very much" or "Quite a bit" about how much instructors have...			
5a. Clearly explained course goals and requirements	77	+2	+2
5b. Taught course sessions in an organized way	71	+0	+0
5c. Used examples or illustrations to explain difficult points	73	+0	+0
5d. Provided feedback on a draft or work in progress	62	+5	+5
5e. Provided prompt and detailed feedback on tests or completed assignments	58	+2	+2

Notes: Refer to your *Frequencies and Statistical Comparisons* report for full distributions and significance tests. Item numbering corresponds to the survey facsimile available on the NSSE website.

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### Campus Environment: First-year students

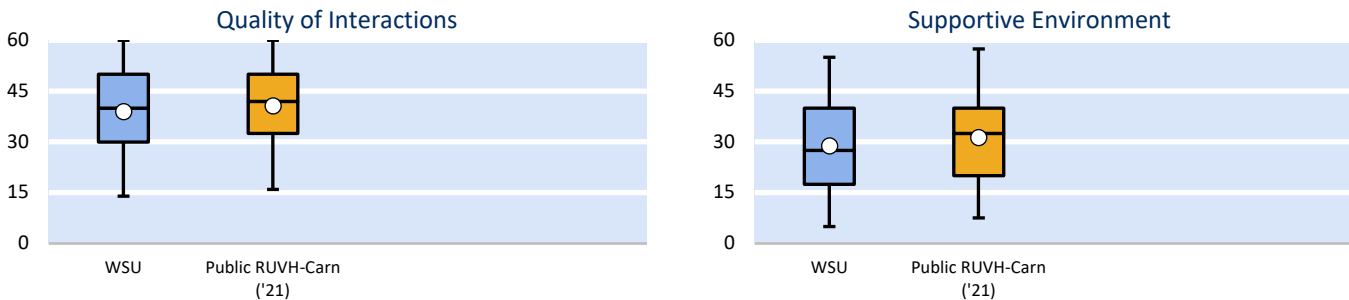
Students benefit and are more satisfied in supportive settings that cultivate positive relationships among students, faculty, and staff. Two Engagement Indicators investigate this theme: *Quality of Interactions* and *Supportive Environment*. Below are three views of your results alongside those of your comparison groups.

#### Mean Comparisons

Engagement Indicator	WSU Mean	Your first-year students compared with	
		Public RUVH-Carn ('21) Mean	Effect size
Quality of Interactions	39.0	40.7 ***	-.13
Supportive Environment	28.9	31.3 ***	-.17

Notes: Results weighted by institution-reported sex and enrollment status (and institution size for comparison groups); Effect size: Mean difference divided by pooled standard deviation; Symbols on the Overview page are based on effect size and p before rounding; \*p < .05, \*\*p < .01, \*\*\*p < .001 (2-tailed).

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#### Performance on Indicator Items

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Quality of Interactions	WSU	Percentage point difference <sup>a</sup> between your FY students and	
		Public RUVH-Carn ('21)	
<i>Percentage rating their interactions a 6 or 7 (on a scale from 1="Poor" to 7="Excellent") with...</i>			
	%		
13a. Students	37	-8	
13b. Academic advisors	53	+1	
13c. Faculty	42	-3	
13d. Student services staff (career services, student activities, housing, etc.)	34	-8	
13e. Other administrative staff and offices (registrar, financial aid, etc.)	37	-2	
<i>Supportive Environment</i>			
<i>Percentage responding "Very much" or "Quite a bit" about how much the institution emphasized...</i>			
14b. Providing support to help students succeed academically	66	-1	
14c. Using learning support services (tutoring services, writing center, etc.)	65	-3	
14d. Encouraging contact among students from diff. backgrounds (soc., racial/eth., relig., etc.)	49	-5	
14e. Providing opportunities to be involved socially	49	-7	
14f. Providing support for your overall well-being (recreation, health care, counseling, etc.)	55	-4	
14g. Helping you manage your non-academic responsibilities (work, family, etc.)	30	-2	
14h. Attending campus activities and events (performing arts, athletic events, etc.)	37	-13	
14i. Attending events that address important social, economic, or political issues	39	+1	

Notes: Refer to your *Frequencies and Statistical Comparisons* report for full distributions and significance tests. Item numbering corresponds to the survey facsimile available on the NSSE website.

a. Percentage point difference = Institution percentage - Comparison group percentage. Because results are rounded to whole numbers, differences of less than 1 point may or may not display a bar. Small, but nonzero differences may be represented as +0 or -0.

### Campus Environment: Seniors

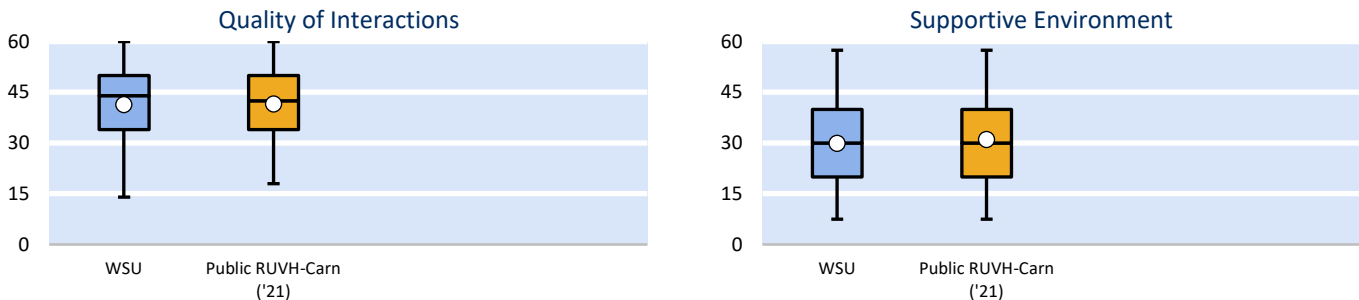
Students benefit and are more satisfied in supportive settings that cultivate positive relationships among students, faculty, and staff. Two Engagement Indicators investigate this theme: *Quality of Interactions* and *Supportive Environment*. Below are three views of your results alongside those of your comparison groups.

#### Mean Comparisons

Engagement Indicator	WSU Mean	Your seniors compared with	
		Public RUVH-Carn ('21) Mean	Effect size
Quality of Interactions	41.4	41.6	-.02
Supportive Environment	30.0	31.2 **	-.08

Notes: Results weighted by institution-reported sex and enrollment status (and institution size for comparison groups); Effect size: Mean difference divided by pooled standard deviation; Symbols on the Overview page are based on effect size and p before rounding; \*p < .05, \*\*p < .01, \*\*\*p < .001 (2-tailed).

#### Score Distributions



Notes: Each box-and-whiskers chart plots the 5th (bottom of lower bar), 25th (bottom of box), 50th (middle line), 75th (top of box), and 95th (top of upper bar) percentile scores. The dot represents the mean score. Refer to Detailed Statistics for your institution's sample sizes.

#### Performance on Indicator Items

The table below displays how your students responded to each EI item, and the difference, in percentage points, between your students and those of your comparison group. Blue bars indicate how much higher your institution's percentage is from that of the comparison group. Dark red bars indicate how much lower your institution's percentage is from that of the comparison group.

Quality of Interactions	WSU	Percentage point difference <sup>a</sup> between your seniors and	
		Public RUVH-Carn ('21)	
<i>Percentage rating their interactions a 6 or 7 (on a scale from 1="Poor" to 7="Excellent") with...</i>			
13a. Students	56	+1	
13b. Academic advisors	54	+3	
13c. Faculty	52	+0	
13d. Student services staff (career services, student activities, housing, etc.)	40	-4	
13e. Other administrative staff and offices (registrar, financial aid, etc.)	43	+2	
<i>Supportive Environment</i>			
<i>Percentage responding "Very much" or "Quite a bit" about how much the institution emphasized...</i>			
14b. Providing support to help students succeed academically	66	+2	
14c. Using learning support services (tutoring services, writing center, etc.)	60	-2	
14d. Encouraging contact among students from diff. backgrounds (soc., racial/eth., relig., etc.)	50	-3	
14e. Providing opportunities to be involved socially	57	-4	
14f. Providing support for your overall well-being (recreation, health care, counseling, etc.)	54	-4	
14g. Helping you manage your non-academic responsibilities (work, family, etc.)	27	-3	
14h. Attending campus activities and events (performing arts, athletic events, etc.)	48	-7	
14i. Attending events that address important social, economic, or political issues	38	-1	

Notes: Refer to your *Frequencies and Statistical Comparisons* report for full distributions and significance tests. Item numbering corresponds to the survey facsimile available on the NSSE website.

a. Percentage point difference = Institution percentage - Comparison group percentage. Because results are rounded to whole numbers, differences of less than 1 point may or may not display a bar. Small, but nonzero differences may be represented as +0 or -0.

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### Comparisons with Top 50% and Top 10% Institutions

While NSSE’s policy is not to rank institutions (see [go.iu.edu/NSSE-PnP](https://go.iu.edu/NSSE-PnP)), the results below are designed to compare the engagement of your students with those attending two groups of institutions identified by NSSE<sup>a</sup> for their high average levels of student engagement:

- (a) institutions with average scores placing them in the top 50% of all 2020 and 2021 NSSE institutions, and
- (b) institutions with average scores placing them in the top 10% of all 2020 and 2021 NSSE institutions.

While the average scores for most institutions are below the mean for the top 50% or top 10%, your institution may show areas of distinction where your average student was as engaged as (or even more engaged than) the typical student at high-performing institutions. A check mark (✓) signifies those comparisons where your average score was at least comparable<sup>b</sup> to that of the high-performing group. However, the presence of a check mark does not necessarily mean that your institution was a member of that group.

It should be noted that most of the variability in student engagement is within, not between, institutions. Even "high-performing" institutions have students with engagement levels below the average for all institutions.

#### First-Year Students

Theme	Engagement Indicator	WSU Mean	Your first-year students compared with					
			NSSE Top 50%			NSSE Top 10%		
			Mean	Effect size	✓	Mean	Effect size	✓
	Higher-Order Learning	36.3	39.2 ***	-.22		41.9 ***	-.43	
Academic	Reflective and Integrative Learning	34.2	36.5 ***	-.19		39.1 ***	-.42	
Challenge	Learning Strategies	35.6	39.7 ***	-.29		43.0 ***	-.51	
	Quantitative Reasoning	28.1	29.7 ***	-.11		32.5 ***	-.29	
Learning with Peers	Collaborative Learning	24.8	33.9 ***	-.65		37.0 ***	-.89	
	Discussions with Diverse Others	34.9	40.6 ***	-.38		43.8 ***	-.62	
Experiences with Faculty	Student-Faculty Interaction	17.7	23.2 ***	-.37		27.8 ***	-.67	
	Effective Teaching Practices	35.6	40.4 ***	-.36		43.2 ***	-.57	
Campus Environment	Quality of Interactions	39.0	45.1 ***	-.53		47.7 ***	-.70	
	Supportive Environment	28.9	36.8 ***	-.59		39.9 ***	-.85	

#### Seniors

Theme	Engagement Indicator	WSU Mean	Your seniors compared with					
			NSSE Top 50%			NSSE Top 10%		
			Mean	Effect size	✓	Mean	Effect size	✓
	Higher-Order Learning	39.8	41.6 ***	-.13		43.9 ***	-.31	
Academic	Reflective and Integrative Learning	37.8	39.7 ***	-.16		42.5 ***	-.40	
Challenge	Learning Strategies	37.3	40.6 ***	-.22		43.5 ***	-.43	
	Quantitative Reasoning	32.6	31.6 *	.06	✓	34.8 ***	-.14	
Learning with Peers	Collaborative Learning	31.4	35.0 ***	-.25		38.8 ***	-.54	
	Discussions with Diverse Others	37.6	41.2 ***	-.24		44.2 ***	-.44	
Experiences with Faculty	Student-Faculty Interaction	20.8	28.5 ***	-.48		33.6 ***	-.81	
	Effective Teaching Practices	37.5	41.5 ***	-.29		44.6 ***	-.53	
Campus Environment	Quality of Interactions	41.4	45.2 ***	-.32		48.2 ***	-.57	
	Supportive Environment	30.0	34.1 ***	-.29		37.2 ***	-.50	

Notes: Results weighted by institution-reported sex and enrollment status (and institution size for comparison groups); Effect size: Mean difference divided by the pooled standard deviation; \*p < .05, \*\*p < .01, \*\*\*p < .001 (2-tailed).

a. Precision-weighted means were used to determine the top 50% and top 10% institutions for each Engagement Indicator from all NSSE 2020 and 2021 institutions, separately by class. Using this method, Engagement Indicator scores of institutions with relatively large standard errors were adjusted toward the mean of all students, while those with smaller standard errors received smaller corrections. As a result, schools with less stable data—even those with high average scores—may not be among the top scorers. NSSE does not publish the names of the top 50% and top 10% institutions because of our commitment not to release institutional results and our policy against ranking institutions.

b. Check marks are assigned to comparisons that are either significant and positive, or non-significant with an effect size > -.10.

#### Detailed Statistics: First-Year Students

	Mean statistics			Percentile <sup>d</sup> scores					Comparison results			
	Mean	SD <sup>b</sup>	SE <sup>c</sup>	5th	25th	50th	75th	95th	Deg. of freedom <sup>e</sup>	Mean diff.	Sig. <sup>f</sup>	Effect size <sup>g</sup>
<b>Academic Challenge</b>												
<b>Higher-Order Learning</b>												
WSU (N = 925)	36.3	12.9	.43	15	30	35	45	60				
Public RUVH-Carn (21)	36.9	13.6	.09	15	30	40	45	60	1,016	-.5	.226	-.039
Top 50%	39.2	13.2	.04	20	30	40	50	60	106,405	-2.9	.000	-.220
Top 10%	41.9	12.9	.11	20	35	40	55	60	13,740	-5.5	.000	-.430
<b>Reflective &amp; Integrative Learning</b>												
WSU (N = 973)	34.2	11.8	.38	17	26	34	43	54				
Public RUVH-Carn (21)	33.8	12.4	.08	14	26	34	40	57	24,070	.4	.322	.032
Top 50%	36.5	12.0	.04	17	29	37	46	57	103,368	-2.3	.000	-.189
Top 10%	39.1	11.8	.11	20	31	40	49	60	12,636	-4.9	.000	-.416
<b>Learning Strategies</b>												
WSU (N = 885)	35.6	13.6	.46	13	27	33	47	60				
Public RUVH-Carn (21)	37.0	14.1	.10	13	27	40	47	60	20,417	-1.4	.003	-.101
Top 50%	39.7	14.0	.05	20	27	40	53	60	94,439	-4.1	.000	-.294
Top 10%	43.0	14.3	.11	20	33	40	60	60	990	-7.3	.000	-.515
<b>Quantitative Reasoning</b>												
WSU (N = 884)	28.1	14.3	.48	7	20	27	40	53				
Public RUVH-Carn (21)	28.8	15.0	.11	7	20	27	40	60	972	-.8	.124	-.051
Top 50%	29.7	15.3	.05	7	20	27	40	60	898	-1.7	.001	-.108
Top 10%	32.5	15.5	.13	7	20	33	40	60	1,009	-4.4	.000	-.285
<b>Learning with Peers</b>												
<b>Collaborative Learning</b>												
WSU (N = 1015)	24.8	13.8	.43	5	15	25	35	50				
Public RUVH-Carn (21)	26.9	14.5	.09	5	15	25	35	55	1,106	-2.1	.000	-.144
Top 50%	33.9	13.9	.04	10	25	35	45	60	150,524	-9.1	.000	-.654
Top 10%	37.0	13.6	.08	15	25	40	45	60	30,531	-12.2	.000	-.894
<b>Discussions with Diverse Others</b>												
WSU (N = 880)	34.9	15.7	.53	10	20	35	45	60				
Public RUVH-Carn (21)	37.1	15.9	.11	10	25	40	50	60	20,555	-2.3	.000	-.143
Top 50%	40.6	15.2	.04	15	30	40	55	60	119,756	-5.8	.000	-.378
Top 10%	43.8	14.4	.11	20	35	45	60	60	958	-8.9	.000	-.619



#### Detailed Statistics: First-Year Students

	Mean statistics			Percentile <sup>d</sup> scores					Comparison results			
	Mean	SD <sup>b</sup>	SE <sup>c</sup>	5th	25th	50th	75th	95th	Deg. of freedom <sup>e</sup>	Mean diff.	Sig. <sup>f</sup>	Effect size <sup>g</sup>
<b>Experiences with Faculty</b>												
<b>Student-Faculty Interaction</b>												
WSU (N = 935)	17.7	13.4	.44	0	5	15	25	40				
Public RUVH-Carn (21)	17.9	14.0	.09	0	5	15	25	45	22,869	-.2	.687	-.013
Top 50%	23.2	14.7	.05	0	10	20	30	50	963	-5.5	.000	-.374
Top 10%	27.8	15.2	.17	5	15	25	40	60	1,231	-10.1	.000	-.672
<b>Effective Teaching Practices</b>												
WSU (N = 920)	35.6	12.9	.43	16	28	36	44	60				
Public RUVH-Carn (21)	35.7	13.7	.09	12	28	36	44	60	1,011	-.1	.735	-.011
Top 50%	40.4	13.5	.05	20	32	40	52	60	76,003	-4.8	.000	-.358
Top 10%	43.2	13.4	.13	20	36	44	56	60	1,103	-7.6	.000	-.568
<b>Campus Environment</b>												
<b>Quality of Interactions</b>												
WSU (N = 736)	39.0	13.5	.50	14	30	40	50	60				
Public RUVH-Carn (21)	40.7	12.8	.10	16	33	42	50	60	792	-1.7	.001	-.133
Top 50%	45.1	11.5	.04	24	38	46	54	60	747	-6.1	.000	-.530
Top 10%	47.7	12.3	.11	24	40	50	58	60	802	-8.7	.000	-.702
<b>Supportive Environment</b>												
WSU (N = 868)	28.9	14.0	.47	5	18	28	40	55				
Public RUVH-Carn (21)	31.3	14.1	.10	8	20	33	40	58	19,807	-2.4	.000	-.170
Top 50%	36.8	13.5	.05	15	28	38	45	60	884	-7.9	.000	-.589
Top 10%	39.9	12.8	.12	18	33	40	50	60	990	-11.0	.000	-.851

a. Results weighted by institution-reported sex and enrollment status (and institutional size for comparison groups).

b. Standard deviation is a measure of the amount the individual scores deviate from the mean of all the scores in the distribution.

c. Standard error of the mean, used to compute a confidence interval (CI) around the sample mean. For example, the 95% CI (equal to the sample mean +/- 1.96 x SE) is the range that is 95% likely to contain the true population mean.

d. A percentile is the point in the distribution of student-level EI scores at or below which a given percentage of EI scores fall.

e. Degrees of freedom used to compute the t-tests. Values vary from the total Ns due to weighting and whether equal variances were assumed.

f. Statistical significance represents the probability that the difference between the mean of your institution and that of the comparison group occurred by chance.

g. Effect size is the mean difference divided by the pooled standard deviation.

#### Detailed Statistics: Seniors

	Mean statistics			Percentile <sup>d</sup> scores					Comparison results			
	Mean	SD <sup>b</sup>	SE <sup>c</sup>	5th	25th	50th	75th	95th	Deg. of freedom <sup>e</sup>	Mean diff.	Sig. <sup>f</sup>	Effect size <sup>g</sup>
<b>Academic Challenge</b>												
<b>Higher-Order Learning</b>												
WSU (N = 1344)	39.8	13.3	.36	20	30	40	50	60				
Public RUVH-Carn (21)	38.7	14.1	.08	15	30	40	50	60	1,493	1.1	.002	.080
Top 50%	41.6	13.6	.04	20	35	40	55	60	1,382	-1.8	.000	-.131
Top 10%	43.9	13.0	.13	20	35	40	55	60	12,097	-4.1	.000	-.314
<b>Reflective &amp; Integrative Learning</b>												
WSU (N = 1401)	37.8	12.7	.34	17	29	37	46	60				
Public RUVH-Carn (21)	36.4	13.2	.08	14	26	37	46	60	31,159	1.4	.000	.107
Top 50%	39.7	12.4	.04	20	31	40	49	60	96,650	-2.0	.000	-.160
Top 10%	42.5	11.7	.13	23	34	43	51	60	1,849	-4.7	.000	-.397
<b>Learning Strategies</b>												
WSU (N = 1306)	37.3	14.6	.40	13	27	40	47	60				
Public RUVH-Carn (21)	37.7	14.8	.09	13	27	40	47	60	27,291	-.4	.360	-.026
Top 50%	40.6	14.6	.04	20	33	40	53	60	113,386	-3.2	.000	-.222
Top 10%	43.5	14.2	.12	20	33	40	60	60	15,896	-6.2	.000	-.432
<b>Quantitative Reasoning</b>												
WSU (N = 1311)	32.6	15.4	.43	7	20	33	40	60				
Public RUVH-Carn (21)	30.4	16.4	.10	0	20	27	40	60	1,462	2.2	.000	.136
Top 50%	31.6	16.3	.04	0	20	33	40	60	1,338	1.0	.016	.064
Top 10%	34.8	15.8	.14	7	20	33	47	60	14,803	-2.2	.000	-.139
<b>Learning with Peers</b>												
<b>Collaborative Learning</b>												
WSU (N = 1443)	31.4	15.8	.42	5	20	30	40	60				
Public RUVH-Carn (21)	29.7	15.6	.09	5	20	30	40	60	33,008	1.7	.000	.112
Top 50%	35.0	14.2	.04	10	25	35	45	60	1,465	-3.6	.000	-.252
Top 10%	38.8	13.4	.11	15	30	40	50	60	1,639	-7.4	.000	-.542
<b>Discussions with Diverse Others</b>												
WSU (N = 1297)	37.6	16.0	.45	10	25	40	50	60				
Public RUVH-Carn (21)	38.3	16.5	.10	5	25	40	50	60	27,350	-.8	.096	-.047
Top 50%	41.2	15.6	.04	15	30	40	60	60	144,430	-3.7	.000	-.236
Top 10%	44.2	15.0	.10	20	35	45	60	60	1,438	-6.6	.000	-.439

#### Detailed Statistics: Seniors

	Mean statistics			Percentile <sup>d</sup> scores					Comparison results			
	Mean	SD <sup>b</sup>	SE <sup>c</sup>	5th	25th	50th	75th	95th	Deg. of freedom <sup>e</sup>	Mean diff.	Sig. <sup>f</sup>	Effect size <sup>g</sup>
<b>Experiences with Faculty</b>												
<b>Student-Faculty Interaction</b>												
WSU (N = 1361)	20.8	15.0	.41	0	10	20	30	50				
Public RUVH-Carn (21)	20.6	15.7	.09	0	10	20	30	55	1,506	.2	.673	.011
Top 50%	28.5	16.0	.07	5	15	25	40	60	1,441	-7.7	.000	-.483
Top 10%	33.6	15.9	.20	10	20	35	45	60	2,052	-12.8	.000	-.813
<b>Effective Teaching Practices</b>												
WSU (N = 1347)	37.5	14.0	.38	12	28	40	48	60				
Public RUVH-Carn (21)	37.1	14.5	.09	12	28	40	48	60	28,926	.4	.328	.027
Top 50%	41.5	13.9	.05	16	32	40	52	60	84,508	-4.0	.000	-.288
Top 10%	44.6	13.3	.13	20	36	44	56	60	11,453	-7.0	.000	-.526
<b>Campus Environment</b>												
<b>Quality of Interactions</b>												
WSU (N = 1169)	41.4	13.4	.39	14	34	44	50	60				
Public RUVH-Carn (21)	41.6	12.7	.08	18	34	43	50	60	1,274	-.2	.542	-.019
Top 50%	45.2	11.9	.04	22	38	48	54	60	1,196	-3.8	.000	-.317
Top 10%	48.2	11.9	.09	25	42	50	60	60	1,293	-6.8	.000	-.568
<b>Supportive Environment</b>												
WSU (N = 1281)	30.0	14.7	.41	8	20	30	40	58				
Public RUVH-Carn (21)	31.2	14.4	.09	8	20	30	40	58	26,681	-1.2	.005	-.080
Top 50%	34.1	14.2	.05	10	23	35	43	60	1,316	-4.1	.000	-.290
Top 10%	37.2	14.3	.14	13	28	38	48	60	12,355	-7.2	.000	-.501

a. Results weighted by institution-reported sex and enrollment status (and institutional size for comparison groups).

b. Standard deviation is a measure of the amount the individual scores deviate from the mean of all the scores in the distribution.

c. Standard error of the mean, used to compute a confidence interval (CI) around the sample mean. For example, the 95% CI (equal to the sample mean +/- 1.96 x SE) is the range that is 95% likely to contain the true population mean.

d. A percentile is the point in the distribution of student-level EI scores at or below which a given percentage of EI scores fall.

e. Degrees of freedom used to compute the t-tests. Values vary from the total Ns due to weighting and whether equal variances were assumed.

f. Statistical significance represents the probability that the difference between the mean of your institution and that of the comparison group occurred by chance.

g. Effect size is the mean difference divided by the pooled standard deviation.