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# NSSE 2020

## Engagement Indicators

University of Minnesota Duluth

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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 2019 and 2020 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. The Report Builder and your *Major Field Report* (both to be 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)

## 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 UMD Peers	<b>Your first-year students</b> compared with UMD Competitors	<b>Your first-year students</b> compared with NSSE Carnegie
<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	▽	▽	▼

### Seniors

<i>Theme</i>	<i>Engagement Indicator</i>	<b>Your seniors</b> compared with UMD Peers	<b>Your seniors</b> compared with UMD Competitors	<b>Your seniors</b> compared with NSSE Carnegie
<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	▽	--	▽

### Academic Challenge: First-year students

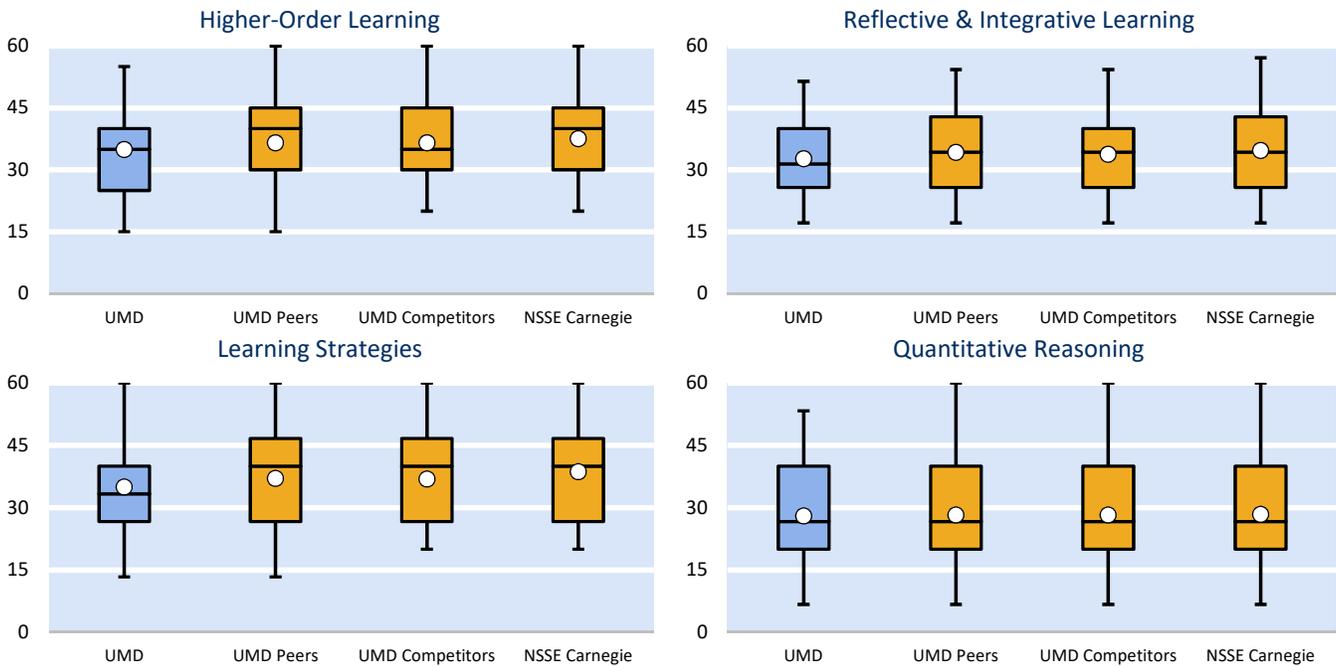
Challenging intellectual and creative work is central to student learning and collegiate quality. Colleges and universities promote student learning by challenging and supporting them to engage in various forms of deep learning. Four Engagement Indicators are part of this theme: *Higher-Order Learning*, *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	UMD Mean	Your first-year students compared with					
		UMD Peers		UMD Competitors		NSSE Carnegie	
		Mean	Effect size	Mean	Effect size	Mean	Effect size
Higher-Order Learning	34.9	36.6 ***	-.13	36.6 ***	-.13	37.6 ***	-.21
Reflective & Integrative Learning	32.7	34.2 ***	-.13	33.8 **	-.10	34.7 ***	-.17
Learning Strategies	35.0	37.1 ***	-.15	36.9 ***	-.14	38.7 ***	-.27
Quantitative Reasoning	28.0	28.2	-.02	28.2	-.01	28.4	-.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).

#### 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.

	UMD	Percentage point difference <sup>a</sup> between your FY students and		
		UMD Peers	UMD Competitors	NSSE Carnegie
<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	69	-1	-1	+0
4c. Analyzing an idea, experience, or line of reasoning in depth by examining its parts	61	-6	-6	-8
4d. Evaluating a point of view, decision, or information source	56	-9	-10	-14
4e. Forming a new idea or understanding from various pieces of information	62	-3	-4	-7
<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	54	+4	+5	+3
2b. Connected your learning to societal problems or issues	41	-6	-8	-9
2c. Included diverse perspectives (political, religious, racial/ethnic, gender, etc.) in course discussions or assignments	38	-11	-10	-13
2d. Examined the strengths and weaknesses of your own views on a topic or issue	57	-5	-1	-6
2e. Tried to better understand someone else's views by imagining how an issue looks from his or her perspective	64	-4	-2	-6
2f. Learned something that changed the way you understand an issue or concept	61	-4	-3	-4
2g. Connected ideas from your courses to your prior experiences and knowledge	77	+0	+2	+1
<b>Learning Strategies</b>				
<i>Percentage of students who responded that they "Very often" or "Often"...</i>				
9a. Identified key information from reading assignments	69	-3	-3	-6
9b. Reviewed your notes after class	59	-5	-5	-9
9c. Summarized what you learned in class or from course materials	55	-7	-6	-9
<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.)	54	+1	+3	+3
6b. Used numerical information to examine a real-world problem or issue (unemployment, climate change, public health, etc.)	40	-0	-1	-1
6c. Evaluated what others have concluded from numerical information	41	+1	+1	+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.

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

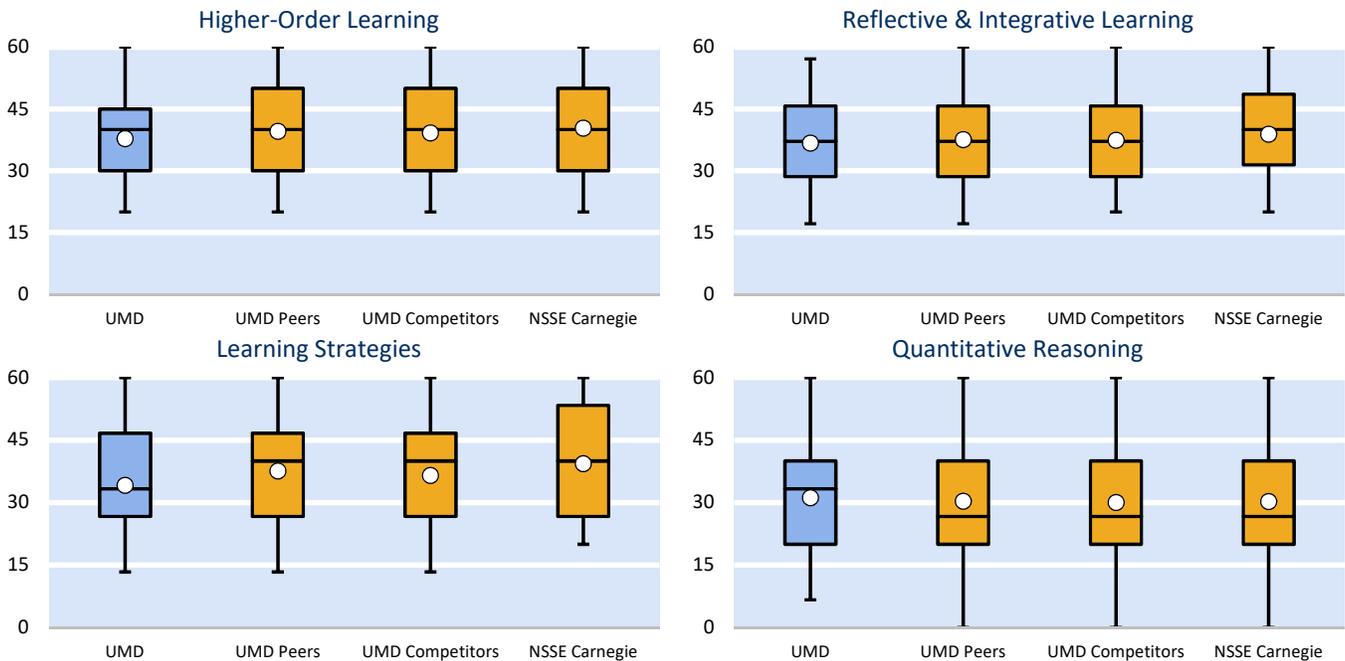
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#### Mean Comparisons

Engagement Indicator	UMD Mean	Your seniors compared with					
		UMD Peers		UMD Competitors		NSSE Carnegie	
		Mean	Effect size	Mean	Effect size	Mean	Effect size
Higher-Order Learning	37.8	39.6 ***	-.14	39.2 **	-.11	40.4 ***	-.19
Reflective & Integrative Learning	36.7	37.6	-.07	37.4	-.06	38.9 ***	-.17
Learning Strategies	34.1	37.5 ***	-.24	36.5 ***	-.17	39.3 ***	-.37
Quantitative Reasoning	31.1	30.3	.05	30.0	.07	30.2	.06

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.

	UMD	Percentage point difference <sup>a</sup> between your seniors and		
		UMD Peers	UMD Competitors	NSSE Carnegie
<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	76	-0	-1	-2
4c. Analyzing an idea, experience, or line of reasoning in depth by examining its parts	70	-3	-3	-5
4d. Evaluating a point of view, decision, or information source	62	-8	-6	-12
4e. Forming a new idea or understanding from various pieces of information	67	-4	-4	-6
<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	74	+5	+3	+3
2b. Connected your learning to societal problems or issues	56	-3	-3	-7
2c. Included diverse perspectives (political, religious, racial/ethnic, gender, etc.) in course discussions or assignments	45	-6	-5	-11
2d. Examined the strengths and weaknesses of your own views on a topic or issue	60	-5	-4	-8
2e. Tried to better understand someone else's views by imagining how an issue looks from his or her perspective	68	-3	+1	-7
2f. Learned something that changed the way you understand an issue or concept	71	-1	-1	-1
2g. Connected ideas from your courses to your prior experiences and knowledge	84	+2	+0	-1
<b>Learning Strategies</b>				
<i>Percentage of students who responded that they "Very often" or "Often"...</i>				
9a. Identified key information from reading assignments	70	-5	-5	-9
9b. Reviewed your notes after class	49	-11	-8	-16
9c. Summarized what you learned in class or from course materials	54	-8	-5	-12
<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.)	59	+4	+4	+4
6b. Used numerical information to examine a real-world problem or issue (unemployment, climate change, public health, etc.)	46	+1	+1	+0
6c. Evaluated what others have concluded from numerical information	49	+2	+1	+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: First-year students

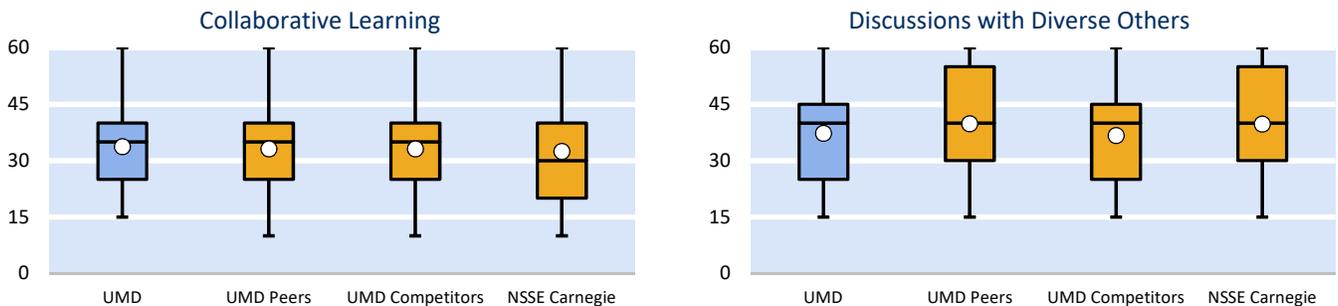
Collaborating with others in mastering difficult material and developing interpersonal and social competence prepare students to deal with complex, unscripted problems they will encounter during and after college. Two Engagement Indicators make up this theme: *Collaborative Learning* and *Discussions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

#### Mean Comparisons

Engagement Indicator	UMD Mean	Your first-year students compared with					
		UMD Peers		UMD Competitors		NSSE Carnegie	
		Mean	Effect size	Mean	Effect size	Mean	Effect size
Collaborative Learning	33.7	33.1	.04	33.1	.05	32.4 **	.10
Discussions with Diverse Others	37.2	39.8 ***	-.17	36.7	.04	39.7 ***	-.16

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

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.

Collaborative Learning	UMD	Percentage point difference <sup>a</sup> between your FY students and		
		UMD Peers	UMD Competitors	NSSE Carnegie
<i>Percentage of students who responded that they "Very often" or "Often"...</i>				
	%			
1e. Asked another student to help you understand course material	56	+1	-0	+3
1f. Explained course material to one or more students	62	+3	+4	+5
1g. Prepared for exams by discussing or working through course material with other students	52	+1	+1	+2
1h. Worked with other students on course projects or assignments	60	+2	+2	+4
<i>Discussions with Diverse Others</i>				
<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	56	-14	-2	-16
8b. People from an economic background other than your own	67	-6	+2	-5
8c. People with religious beliefs other than your own	65	-5	+2	-2
8d. People with political views other than your own	68	+0	+3	+2

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### Learning with Peers: Seniors

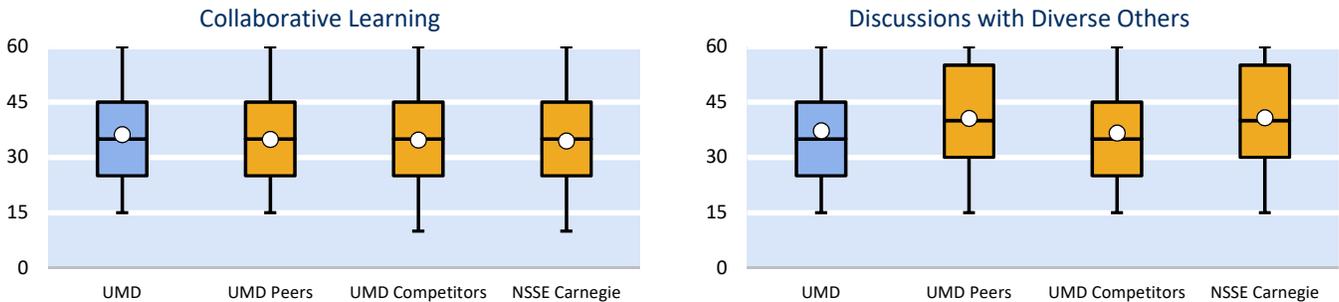
Collaborating with others in mastering difficult material and developing interpersonal and social competence prepare students to deal with complex, unscripted problems they will encounter during and after college. Two Engagement Indicators make up this theme: *Collaborative Learning* and *Discussions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

#### Mean Comparisons

Engagement Indicator	UMD Mean	Your seniors compared with					
		UMD Peers		UMD Competitors		NSSE Carnegie	
		Mean	Effect size	Mean	Effect size	Mean	Effect size
Collaborative Learning	36.2	34.9 **	.10	34.8 **	.10	34.5 ***	.13
Discussions with Diverse Others	37.2	40.6 ***	-.22	36.6	.04	40.8 ***	-.23

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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	UMD %	Percentage point difference <sup>a</sup> between your seniors and		
		UMD Peers	UMD Competitors	NSSE Carnegie
<b>Collaborative Learning</b>				
<i>Percentage of students who responded that they "Very often" or "Often"...</i>				
1e. Asked another student to help you understand course material	55	+5	+4	+8
1f. Explained course material to one or more students	66	+3	+3	+3
1g. Prepared for exams by discussing or working through course material with other students	56	+3	+5	+4
1h. Worked with other students on course projects or assignments	75	+4	+4	+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	54	-17	-3	-21
8b. People from an economic background other than your own	67	-6	+2	-6
8c. People with religious beliefs other than your own	66	-4	+2	-4
8d. People with political views other than your own	67	-1	+4	+1

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### Experiences with Faculty: First-year students

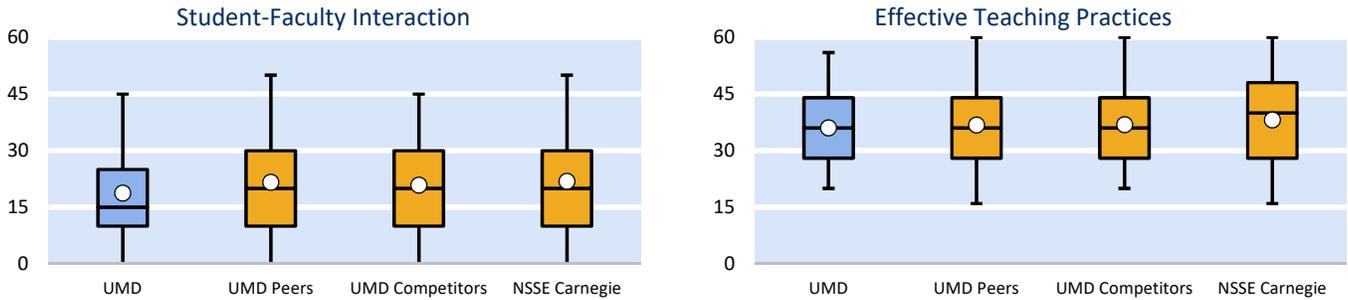
Students learn firsthand how experts think about and solve problems by interacting with faculty members inside and outside of instructional settings. As a result, faculty become role models, mentors, and guides for lifelong learning. In addition, effective teaching requires that faculty deliver course 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	UMD Mean	Your first-year students compared with					
		UMD Peers		UMD Competitors		NSSE Carnegie	
	Mean	Effect size	Effect size	Mean	Effect size	Mean	Effect size
Student-Faculty Interaction	18.7	21.6 ***	-.20	20.8 ***	-.15	21.9 ***	-.22
Effective Teaching Practices	36.0	36.7	-.06	36.9	-.07	38.1 ***	-.16

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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Student-Faculty Interaction	UMD	Percentage point difference <sup>a</sup> between your FY students and		
		UMD Peers	UMD Competitors	NSSE Carnegie
<i>Percentage of students who responded that they "Very often" or "Often"...</i>				
	%			
3a. Talked about career plans with a faculty member	28	-12	-9	-10
3b. Worked w/faculty on activities other than coursework (committees, student groups, etc.)	17	-4	-3	-3
3c. Discussed course topics, ideas, or concepts with a faculty member outside of class	22	-3	-2	-5
3d. Discussed your academic performance with a faculty member	22	-8	-5	-11
<i>Effective Teaching Practices</i>				
<i>Percentage responding "Very much" or "Quite a bit" about how much instructors have...</i>				
5a. Clearly explained course goals and requirements	74	-2	-1	-2
5b. Taught course sessions in an organized way	74	+2	+1	+1
5c. Used examples or illustrations to explain difficult points	73	+1	+0	-0
5d. Provided feedback on a draft or work in progress	55	-3	-4	-8
5e. Provided prompt and detailed feedback on tests or completed assignments	53	-3	-3	-6

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### Experiences with Faculty: Seniors

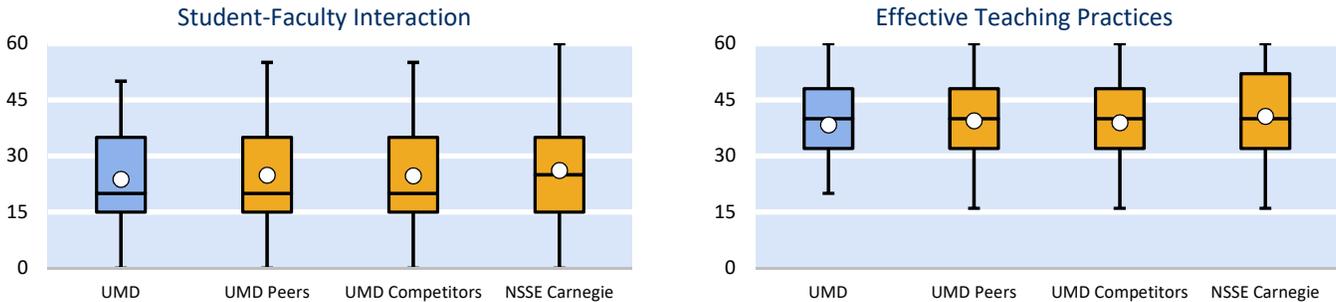
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		UMD Peers Effect size		UMD Competitors Effect size		NSSE Carnegie Effect size	
	Mean	Mean	Effect size	Mean	Effect size	Mean	Effect size
Student-Faculty Interaction	23.8	24.8	-.07	24.6	-.06	26.1 ***	-.14
Effective Teaching Practices	38.2	39.4 *	-.09	38.9	-.05	40.5 ***	-.17

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3a. Talked about career plans with a faculty member	40	-4	-5	-9
3b. Worked w/faculty on activities other than coursework (committees, student groups, etc.)	28	-1	-2	-2
3c. Discussed course topics, ideas, or concepts with a faculty member outside of class	35	-1	+1	-2
3d. Discussed your academic performance with a faculty member	29	-5	-2	-9
<i>Effective Teaching Practices</i>				
<i>Percentage responding "Very much" or "Quite a bit" about how much instructors have...</i>				
5a. Clearly explained course goals and requirements	77	-2	-2	-4
5b. Taught course sessions in an organized way	75	-3	-3	-2
5c. Used examples or illustrations to explain difficult points	77	-1	-1	-2
5d. Provided feedback on a draft or work in progress	60	-1	-0	-5
5e. Provided prompt and detailed feedback on tests or completed assignments	66	+1	+5	-0

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: First-year students

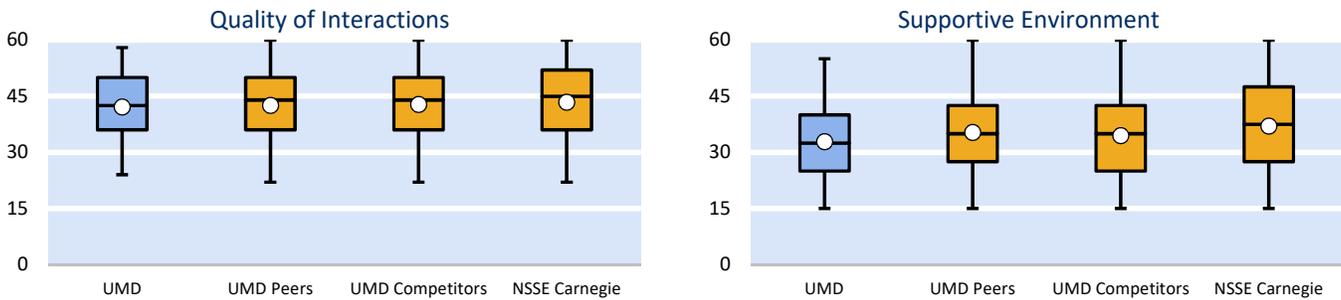
Students benefit and are more satisfied in supportive settings that cultivate positive relationships among students, faculty, and staff. Two Engagement Indicators investigate this theme: *Quality of Interactions* and *Supportive Environment*. Below are three views of your results alongside those of your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

#### Mean Comparisons

Engagement Indicator	UMD Mean	Your first-year students compared with					
		UMD Peers		UMD Competitors		NSSE Carnegie	
		Mean	Effect size	Mean	Effect size	Mean	Effect size
Quality of Interactions	42.1	42.6	-.04	42.9	-.07	43.4 **	-.11
Supportive Environment	32.9	35.4 ***	-.19	34.4 ***	-.13	37.1 ***	-.31

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	UMD	Percentage point difference <sup>a</sup> between your FY students and		
		UMD Peers	UMD Competitors	NSSE Carnegie
<i>Percentage rating their interactions a 6 or 7 (on a scale from 1="Poor" to 7="Excellent") with...</i>	%			
13a. Students	51	-0	-2	-2
13b. Academic advisors	47	-6	-3	-6
13c. Faculty	46	-1	-3	-7
13d. Student services staff (career services, student activities, housing, etc.)	43	-2	-3	-5
13e. Other administrative staff and offices (registrar, financial aid, etc.)	43	-2	-4	-5
<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	67	-7	-5	-7
14c. Using learning support services (tutoring services, writing center, etc.)	70	-6	-2	-6
14d. Encouraging contact among students from diff. backgrounds (soc., racial/eth., relig., etc.)	54	-7	-2	-10
14e. Providing opportunities to be involved socially	70	-2	+0	-4
14f. Providing support for your overall well-being (recreation, health care, counseling, etc.)	68	-1	-2	-3
14g. Helping you manage your non-academic responsibilities (work, family, etc.)	35	-3	-4	-11
14h. Attending campus activities and events (performing arts, athletic events, etc.)	55	-10	-7	-12
14i. Attending events that address important social, economic, or political issues	37	-11	-8	-16

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

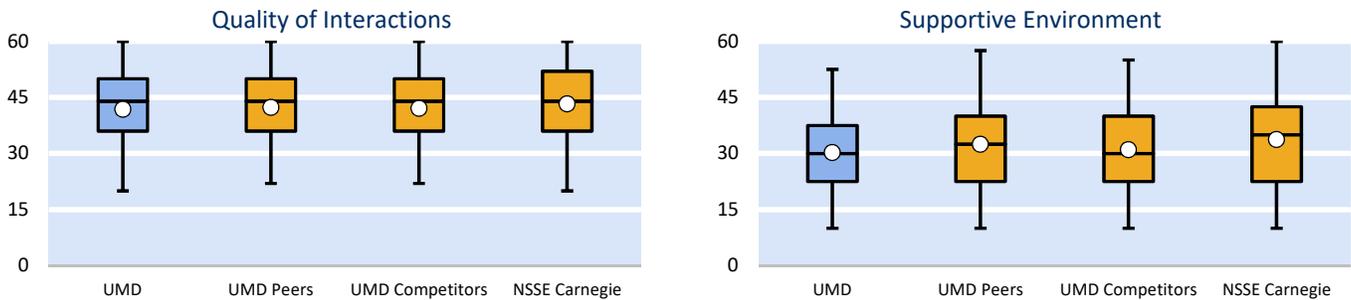
Students benefit and are more satisfied in supportive settings that cultivate positive relationships among students, faculty, and staff. Two Engagement Indicators investigate this theme: *Quality of Interactions* and *Supportive Environment*. Below are three views of your results alongside those of your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

#### Mean Comparisons

Engagement Indicator	UMD Mean	Your seniors compared with					
		UMD Peers		UMD Competitors		NSSE Carnegie	
		Mean	Effect size	Mean	Effect size	Mean	Effect size
Quality of Interactions	41.9	42.3	-.04	42.1	-.02	43.3 **	-.11
Supportive Environment	30.3	32.5 ***	-.16	31.1	-.06	33.8 ***	-.24

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	UMD	Percentage point difference <sup>a</sup> between your seniors and		
		UMD Peers	UMD Competitors	NSSE Carnegie
<i>Percentage rating their interactions a 6 or 7 (on a scale from 1="Poor" to 7="Excellent") with...</i>	%			
13a. Students	57	-2	+0	-1
13b. Academic advisors	45	-1	-3	-7
13c. Faculty	53	-2	+0	-5
13d. Student services staff (career services, student activities, housing, etc.)	42	-1	-0	-5
13e. Other administrative staff and offices (registrar, financial aid, etc.)	41	-2	-2	-6
<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	68	-3	+0	-4
14c. Using learning support services (tutoring services, writing center, etc.)	63	-1	+1	-4
14d. Encouraging contact among students from diff. backgrounds (soc., racial/eth., relig., etc.)	48	-6	+1	-10
14e. Providing opportunities to be involved socially	66	+1	+2	-1
14f. Providing support for your overall well-being (recreation, health care, counseling, etc.)	63	-2	+1	-2
14g. Helping you manage your non-academic responsibilities (work, family, etc.)	26	-5	-4	-10
14h. Attending campus activities and events (performing arts, athletic events, etc.)	48	-8	-4	-8
14i. Attending events that address important social, economic, or political issues	34	-9	-5	-11

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](http://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 2019 and 2020 NSSE institutions, and
- (b) institutions with average scores placing them in the top 10% of all 2019 and 2020 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	UMD Mean	Your first-year students compared with					
			NSSE Top 50%			NSSE Top 10%		
			Mean	Effect size	✓	Mean	Effect size	✓
<i>Academic Challenge</i>	Higher-Order Learning	34.9	39.3 ***	-.34		41.4 ***	-.51	
	Reflective and Integrative Learning	32.7	36.7 ***	-.34		39.0 ***	-.54	
	Learning Strategies	35.0	39.9 ***	-.36		42.3 ***	-.52	
	Quantitative Reasoning	28.0	29.4 **	-.09		31.4 ***	-.22	
<i>Learning with Peers</i>	Collaborative Learning	33.7	35.2 **	-.11		37.4 ***	-.27	
	Discussions with Diverse Others	37.2	41.5 ***	-.28		43.6 ***	-.44	
<i>Experiences with Faculty</i>	Student-Faculty Interaction	18.7	24.5 ***	-.39		28.1 ***	-.61	
	Effective Teaching Practices	36.0	40.5 ***	-.34		42.3 ***	-.44	
<i>Campus Environment</i>	Quality of Interactions	42.1	45.2 ***	-.27		47.2 ***	-.44	
	Supportive Environment	32.9	37.9 ***	-.38		40.0 ***	-.56	

#### Seniors

Theme	Engagement Indicator	UMD Mean	Your seniors compared with					
			NSSE Top 50%			NSSE Top 10%		
			Mean	Effect size	✓	Mean	Effect size	✓
<i>Academic Challenge</i>	Higher-Order Learning	37.8	41.7 ***	-.29		43.2 ***	-.41	
	Reflective and Integrative Learning	36.7	39.8 ***	-.26		41.8 ***	-.42	
	Learning Strategies	34.1	40.7 ***	-.45		42.7 ***	-.59	
	Quantitative Reasoning	31.1	31.4	-.02	✓	33.4 ***	-.14	
<i>Learning with Peers</i>	Collaborative Learning	36.2	35.9	.02	✓	38.4 ***	-.16	
	Discussions with Diverse Others	37.2	42.1 ***	-.31		43.8 ***	-.43	
<i>Experiences with Faculty</i>	Student-Faculty Interaction	23.8	29.7 ***	-.37		33.2 ***	-.60	
	Effective Teaching Practices	38.2	41.8 ***	-.26		43.7 ***	-.41	
<i>Campus Environment</i>	Quality of Interactions	41.9	45.2 ***	-.29		47.4 ***	-.46	
	Supportive Environment	30.3	34.6 ***	-.31		36.8 ***	-.46	

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 (produced by Hierarchical Linear Modeling) were used to determine the top 50% and top 10% institutions for each Engagement Indicator from all NSSE 2019 and 2020 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>												
UMD (N = 768)	34.9	11.9	.43	15	25	35	40	55				
UMD Peers	36.6	12.8	.17	15	30	40	45	60	1,024	-1.7	.000	-.132
UMD Competitors	36.6	12.4	.17	20	30	35	45	60	5,999	-1.7	.000	-.135
NSSE Carnegie	37.6	13.1	.15	20	30	40	45	60	956	-2.7	.000	-.205
Top 50%	39.3	13.1	.03	20	30	40	50	60	773	-4.4	.000	-.338
Top 10%	41.4	12.8	.06	20	35	40	50	60	799	-6.5	.000	-.506
<b>Reflective &amp; Integrative Learning</b>												
UMD (N = 818)	32.7	10.7	.37	17	26	31	40	51				
UMD Peers	34.2	11.8	.15	17	26	34	43	54	1,103	-1.5	.000	-.132
UMD Competitors	33.8	11.5	.15	17	26	34	40	54	1,111	-1.1	.007	-.096
NSSE Carnegie	34.7	11.9	.13	17	26	34	43	57	1,022	-2.0	.000	-.169
Top 50%	36.7	11.8	.03	17	29	37	46	57	824	-4.0	.000	-.339
Top 10%	39.0	11.7	.06	20	31	40	49	60	865	-6.3	.000	-.536
<b>Learning Strategies</b>												
UMD (N = 740)	35.0	12.6	.46	13	27	33	40	60				
UMD Peers	37.1	13.6	.19	13	27	40	47	60	990	-2.1	.000	-.153
UMD Competitors	36.9	13.3	.19	20	27	40	47	60	1,001	-1.9	.000	-.140
NSSE Carnegie	38.7	13.6	.16	20	27	40	47	60	914	-3.7	.000	-.271
Top 50%	39.9	13.7	.03	20	33	40	53	60	745	-4.9	.000	-.357
Top 10%	42.3	14.1	.07	20	33	40	53	60	771	-7.3	.000	-.518
<b>Quantitative Reasoning</b>												
UMD (N = 746)	28.0	14.1	.52	7	20	27	40	53				
UMD Peers	28.2	14.7	.20	7	20	27	40	60	6,133	-.2	.671	-.017
UMD Competitors	28.2	14.2	.20	7	20	27	40	60	5,752	-.2	.718	-.014
NSSE Carnegie	28.4	14.8	.17	7	20	27	40	60	912	-.4	.486	-.026
Top 50%	29.4	15.2	.03	7	20	27	40	60	750	-1.4	.006	-.094
Top 10%	31.4	15.3	.07	7	20	33	40	60	770	-3.4	.000	-.221
<b>Learning with Peers</b>												
<b>Collaborative Learning</b>												
UMD (N = 870)	33.7	12.9	.44	15	25	35	40	60				
UMD Peers	33.1	13.8	.17	10	25	35	40	60	1,144	.6	.207	.044
UMD Competitors	33.1	13.5	.17	10	25	35	40	60	1,162	.6	.198	.045
NSSE Carnegie	32.4	13.7	.14	10	20	30	40	60	1,065	1.3	.004	.097
Top 50%	35.2	13.7	.03	15	25	35	45	60	875	-1.4	.001	-.106
Top 10%	37.4	13.5	.06	15	30	40	45	60	897	-3.7	.000	-.271
<b>Discussions with Diverse Others</b>												
UMD (N = 739)	37.2	13.9	.51	15	25	40	45	60				
UMD Peers	39.8	15.1	.21	15	30	40	55	60	997	-2.6	.000	-.171
UMD Competitors	36.7	14.9	.21	15	25	40	45	60	1,008	.6	.315	.038
NSSE Carnegie	39.7	15.7	.18	15	30	40	55	60	932	-2.4	.000	-.158
Top 50%	41.5	15.0	.03	20	30	40	55	60	743	-4.2	.000	-.282
Top 10%	43.6	14.5	.06	20	35	45	60	60	761	-6.4	.000	-.440

#### 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>												
UMD (N = 788)	18.7	13.3	.47	0	10	15	25	45				
UMD Peers	21.6	14.5	.19	0	10	20	30	50	1,057	-2.9	.000	-.201
UMD Competitors	20.8	13.8	.19	0	10	20	30	45	6,164	-2.1	.000	-.151
NSSE Carnegie	21.9	14.5	.16	0	10	20	30	50	976	-3.1	.000	-.218
Top 50%	24.5	14.7	.04	5	15	20	35	55	797	-5.7	.000	-.390
Top 10%	28.1	15.5	.11	5	15	25	40	60	877	-9.4	.000	-.610
<b>Effective Teaching Practices</b>												
UMD (N = 770)	36.0	11.0	.39	20	28	36	44	56				
UMD Peers	36.7	12.6	.17	16	28	36	44	60	1,073	-.7	.096	-.058
UMD Competitors	36.9	12.3	.17	20	28	36	44	60	1,079	-.8	.052	-.069
NSSE Carnegie	38.1	13.3	.15	16	28	40	48	60	1,002	-2.1	.000	-.157
Top 50%	40.5	13.2	.03	20	32	40	52	60	780	-4.5	.000	-.342
Top 10%	42.3	14.1	.07	16	32	44	56	60	813	-6.3	.000	-.444
<b>Campus Environment</b>												
<b>Quality of Interactions</b>												
UMD (N = 709)	42.1	10.2	.38	24	36	43	50	58				
UMD Peers	42.6	11.2	.16	22	36	44	50	60	965	-.4	.298	-.039
UMD Competitors	42.9	11.0	.16	22	36	44	50	60	974	-.7	.081	-.067
NSSE Carnegie	43.4	11.8	.14	22	36	45	52	60	907	-1.3	.002	-.108
Top 50%	45.2	11.2	.03	24	38	46	54	60	716	-3.0	.000	-.272
Top 10%	47.2	11.6	.06	25	40	50	58	60	744	-5.1	.000	-.437
<b>Supportive Environment</b>												
UMD (N = 717)	32.9	11.5	.43	15	25	33	40	55				
UMD Peers	35.4	12.9	.18	15	28	35	43	60	985	-2.5	.000	-.195
UMD Competitors	34.4	12.6	.18	15	25	35	43	60	992	-1.6	.001	-.126
NSSE Carnegie	37.1	13.7	.16	15	28	38	48	60	927	-4.2	.000	-.311
Top 50%	37.9	13.1	.03	18	30	38	48	60	724	-5.0	.000	-.382
Top 10%	40.0	12.9	.07	18	33	40	50	60	757	-7.1	.000	-.556

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>												
UMD (N = 725)	37.8	12.7	.47	20	30	40	45	60				
UMD Peers	39.6	13.3	.16	20	30	40	50	60	7,526	-1.8	.000	-.139
UMD Competitors	39.2	12.9	.18	20	30	40	50	60	5,691	-1.4	.006	-.110
NSSE Carnegie	40.4	13.5	.15	20	30	40	50	60	9,114	-2.6	.000	-.195
Top 50%	41.7	13.4	.03	20	35	40	55	60	730	-3.9	.000	-.294
Top 10%	43.2	13.3	.06	20	35	40	55	60	748	-5.4	.000	-.406
<b>Reflective &amp; Integrative Learning</b>												
UMD (N = 772)	36.7	11.9	.43	17	29	37	46	57				
UMD Peers	37.6	12.4	.15	17	29	37	46	60	7,958	-.9	.068	-.069
UMD Competitors	37.4	12.1	.17	20	29	37	46	60	5,990	-.7	.127	-.059
NSSE Carnegie	38.9	12.4	.13	20	31	40	49	60	9,661	-2.2	.000	-.175
Top 50%	39.8	12.2	.03	20	31	40	49	60	196,484	-3.1	.000	-.255
Top 10%	41.8	12.0	.07	20	34	40	51	60	32,336	-5.1	.000	-.421
<b>Learning Strategies</b>												
UMD (N = 697)	34.1	14.3	.54	13	27	33	47	60				
UMD Peers	37.5	14.3	.18	13	27	40	47	60	7,218	-3.4	.000	-.240
UMD Competitors	36.5	14.2	.20	13	27	40	47	60	5,518	-2.4	.000	-.165
NSSE Carnegie	39.3	14.1	.16	20	27	40	53	60	8,754	-5.2	.000	-.369
Top 50%	40.7	14.5	.03	20	33	40	53	60	219,082	-6.6	.000	-.454
Top 10%	42.7	14.4	.05	20	33	40	60	60	70,985	-8.6	.000	-.593
<b>Quantitative Reasoning</b>												
UMD (N = 707)	31.1	15.2	.57	7	20	33	40	60				
UMD Peers	30.3	16.0	.20	0	20	27	40	60	882	.8	.181	.051
UMD Competitors	30.0	15.6	.22	0	20	27	40	60	5,575	1.1	.078	.071
NSSE Carnegie	30.2	16.2	.18	0	20	27	40	60	851	.9	.124	.057
Top 50%	31.4	16.1	.03	0	20	33	40	60	710	-.3	.613	-.018
Top 10%	33.4	15.9	.07	7	20	33	40	60	55,360	-2.2	.000	-.141
<b>Learning with Peers</b>												
<b>Collaborative Learning</b>												
UMD (N = 808)	36.2	13.5	.48	15	25	35	45	60				
UMD Peers	34.9	13.8	.16	15	25	35	45	60	8,380	1.3	.010	.096
UMD Competitors	34.8	14.2	.19	10	25	35	45	60	6,263	1.5	.005	.105
NSSE Carnegie	34.5	14.1	.15	10	25	35	45	60	10,156	1.8	.001	.127
Top 50%	35.9	14.0	.03	15	25	35	45	60	259,108	.3	.545	.021
Top 10%	38.4	13.6	.06	15	30	40	50	60	45,881	-2.2	.000	-.159
<b>Discussions with Diverse Others</b>												
UMD (N = 705)	37.2	13.6	.51	15	25	35	45	60				
UMD Peers	40.6	15.5	.19	15	30	40	55	60	914	-3.4	.000	-.222
UMD Competitors	36.6	14.8	.21	15	25	35	45	60	965	.6	.302	.039
NSSE Carnegie	40.8	15.4	.17	15	30	40	55	60	870	-3.6	.000	-.233
Top 50%	42.1	15.5	.03	15	30	40	60	60	709	-4.8	.000	-.312
Top 10%	43.8	15.3	.06	20	35	45	60	60	723	-6.6	.000	-.430

#### 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>												
UMD (N = 748)	23.8	14.7	.54	0	15	20	35	50				
UMD Peers	24.8	15.6	.19	0	15	20	35	55	7,692	-1.0	.085	-.066
UMD Competitors	24.6	15.2	.21	0	15	20	35	55	5,808	-.9	.143	-.057
NSSE Carnegie	26.1	16.2	.17	0	15	25	35	60	912	-2.3	.000	-.144
Top 50%	29.7	15.9	.05	5	20	30	40	60	760	-5.9	.000	-.372
Top 10%	33.2	16.0	.12	10	20	35	45	60	823	-9.5	.000	-.596
<b>Effective Teaching Practices</b>												
UMD (N = 725)	38.2	11.9	.44	20	32	40	48	60				
UMD Peers	39.4	13.2	.16	16	32	40	48	60	928	-1.2	.014	-.088
UMD Competitors	38.9	13.0	.18	16	32	40	48	60	995	-.7	.162	-.052
NSSE Carnegie	40.5	13.6	.15	16	32	40	52	60	898	-2.3	.000	-.171
Top 50%	41.8	13.7	.03	20	32	40	52	60	733	-3.6	.000	-.260
Top 10%	43.7	13.4	.07	20	36	44	56	60	761	-5.5	.000	-.410
<b>Campus Environment</b>												
<b>Quality of Interactions</b>												
UMD (N = 665)	41.9	11.4	.44	20	36	44	50	60				
UMD Peers	42.3	11.5	.15	22	36	44	50	60	6,772	-.4	.344	-.039
UMD Competitors	42.1	11.3	.17	22	36	44	50	60	5,153	-.2	.633	-.020
NSSE Carnegie	43.3	12.1	.14	20	36	44	52	60	799	-1.4	.003	-.115
Top 50%	45.2	11.7	.03	24	38	48	54	60	178,161	-3.3	.000	-.285
Top 10%	47.4	12.0	.05	24	40	50	58	60	681	-5.5	.000	-.457
<b>Supportive Environment</b>												
UMD (N = 681)	30.3	12.4	.48	10	23	30	38	53				
UMD Peers	32.5	13.6	.17	10	23	33	40	58	864	-2.2	.000	-.165
UMD Competitors	31.1	13.0	.19	10	23	30	40	55	910	-.8	.139	-.059
NSSE Carnegie	33.8	14.3	.16	10	23	35	43	60	844	-3.5	.000	-.244
Top 50%	34.6	14.0	.03	13	25	35	45	60	687	-4.3	.000	-.308
Top 10%	36.8	14.1	.08	13	28	38	48	60	717	-6.5	.000	-.463

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.