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Fall 2021

### National Survey of Student Engagement 2021 Topical Module Report - First-Year Experiences and Senior Transitions ( Lake Campus)

National Survey of Student Engagement

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# **NSSE 2021 Topical Module Report**

## **First-year Experiences and Senior Transitions**

Wright State University-Lake Campus

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This module includes a set of items only for first-year students and a set only for seniors, with questions adapted from the Beginning College Survey of Student Engagement and the Strategic National Arts Alumni Project, respectively. The first-year items focus on academic perseverance, help-seeking behaviors, and institutional commitment, while the senior items explore post-graduation plans, links between the academic major and future plans, and confidence with skills developed during college.

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## First-Year Students

Item wording or description	Variable name	Values <sup>c</sup>	Response options	Frequency Distributions <sup>a</sup>				Statistical Comparisons <sup>b</sup>		
				Wright State-Lake		Great Lakes Public		Wright State-Lake	Great Lakes Public	Effect size <sup>d</sup>
				Count	%	Count	%	Mean	Mean	
<b>1. During the current school year, about how often have you done the following?</b>										
a. Studied when there were other interesting things to do	FYSfy01a	1	Never	1	3	117	5	<b>2.6</b>	2.7	-.11
		2	Sometimes	14	48	978	39			
		3	Often	9	32	908	36			
		4	Very often	5	17	509	20			
		Total		29	100	2,512	100			
b. Found additional information for course assignments when you didn't understand the material	FYSfy01b	1	Never	0	0	76	3	<b>2.9</b>	2.8	.10
		2	Sometimes	9	32	798	32			
		3	Often	14	47	1,142	45			
		4	Very often	6	21	492	20			
		Total		29	100	2,508	100			
c. Participated in course discussions, even when you didn't feel like it	FYSfy01c	1	Never	1	3	113	5	<b>2.8</b>	2.8	.07
		2	Sometimes	10	34	897	36			
		3	Often	12	41	997	39			
		4	Very often	6	22	499	20			
		Total		29	100	2,506	100			
d. Asked instructors for help when you struggled with course assignments	FYSfy01d	1	Never	2	7	244	10	<b>2.7</b>	2.5	.21
		2	Sometimes	10	34	1,079	44			
		3	Often	11	40	811	32			
		4	Very often	6	18	378	14			
		Total		29	100	2,512	100			
e. Finished something you have started when you encountered challenges	FYSfy01e	1	Never	0	0	17	1	<b>3.3</b>	3.1	.17
		2	Sometimes	3	9	453	18			
		3	Often	16	56	1,228	49			
		4	Very often	10	34	805	32			
		Total		29	100	2,503	100			
f. Stayed positive, even when you did poorly on a test or assignment	FYSfy01f	1	Never	2	9	125	5	<b>2.7</b>	2.8	-.01
		2	Sometimes	11	37	864	35			
		3	Often	8	25	995	39			
		4	Very often	8	29	523	21			
		Total		29	100	2,507	100			
<b>2. During the current school year, how difficult have the following been for you?</b>										
a. Learning course material	FYSfy02a	1	Not at all difficult	1	3	84	3	<b>3.0</b>	3.6 **	-.46
		2	2	7	23	353	14			
		3	3	12	42	764	30			
		4	4	9	32	890	35			
		5	5	0	0	298	13			
		6	Very difficult	0	0	116	5			
		Total		29	100	2,505	100			
b. Managing your time	FYSfy02b	1	Not at all difficult	2	6	128	5	<b>3.3</b>	3.8 *	-.43
		2	2	7	23	324	12			
		3	3	9	31	532	21			
		4	4	8	27	722	29			
		5	5	1	4	491	20			
		6	Very difficult	2	9	314	13			
		Total		29	100	2,511	100			

\*p<.05, \*\*p<.01, \*\*\*p<.001 (2-tailed); Refer to the endnotes page for the key to triangle symbols.

# NSSE 2021 First-year Experiences and Senior Transitions

## Frequencies and Statistical Comparisons: First-Year Experiences

### Wright State University-Lake Campus

## First-Year Students

Item wording or description	Variable name	Values <sup>c</sup>	Response options	Frequency Distributions <sup>a</sup>				Statistical Comparisons <sup>b</sup>		
				Wright State-Lake		Great Lakes Public		Wright State-Lake	Great Lakes Public	Effect size <sup>d</sup>
				Count	%	Count	%	Mean	Mean	
c. Getting help with school work	FYSfy02c	1	Not at all difficult	4	15	304	12	<b>2.9</b>	3.1	-.14
		2	2	9	30	653	26			
		3	3	9	30	658	26			
		4	4	3	9	522	21			
		5	5	2	9	234	9			
		6	Very difficult	2	7	138	6			
		Total		29	100	2,509	100			
d. Interacting with faculty	FYSfy02d	1	Not at all difficult	7	24	443	17	<b>2.8</b>	3.0	-.14
		2	2	7	24	607	24			
		3	3	6	22	637	26			
		4	4	5	15	458	18			
		5	5	3	10	232	10			
		6	Very difficult	1	4	131	6			
		Total		29	100	2,508	100			
<b>3. During the current school year, about how often have you sought help with coursework from the following sources?</b>										
a. Faculty members	FYSfy03a_16	1	Never	2	7	408	16	<b>2.2</b>	2.2	.04
		2	Sometimes	17	61	1,342	53			
		3	Often	10	32	567	23			
		4	Very often	0	0	188	8			
		Total		29	100	2,505	100			
b. Academic advisors	FYSfy03b_16	1	Never	18	63	1,142	46	<b>1.5</b>	1.7	-.34
		2	Sometimes	8	28	911	36			
		3	Often	3	9	358	14			
		4	Very often	0	0	95	4			
		Total		29	100	2,506	100			
c. Learning support services (tutoring, writing center, success coaching, etc.)	FYSfy03c_16	1	Never	21	73	1,283	52	<b>1.3</b>	1.7 ***	-.47
		2	Sometimes	7	24	780	31			
		3	Often	1	3	320	13			
		4	Very often	0	0	122	5			
		Total		29	100	2,505	100			
d. Friends or other students	FYSfy03d_16	1	Never	2	7	251	11	<b>2.6</b>	2.7	-.03
		2	Sometimes	12	42	821	33			
		3	Often	10	32	910	35			
		4	Very often	5	19	522	21			
		Total		29	100	2,504	100			
e. Family members	FYSfy03e_16	1	Never	7	24	999	40	<b>2.1</b>	2.0	.11
		2	Sometimes	15	53	851	34			
		3	Often	5	15	428	17			
		4	Very often	2	7	228	9			
		Total		29	100	2,506	100			
f. Other persons or offices	FYSfy03f_16	1	Never	20	68	1,610	64	<b>1.5</b>	1.5	-.04
		2	Sometimes	6	22	639	25			
		3	Often	2	7	192	8			
		4	Very often	1	3	60	3			
		Total		29	100	2,501	100			

\*p<.05, \*\*p<.01, \*\*\*p<.001 (2-tailed); Refer to the endnotes page for the key to triangle symbols.

## First-Year Students

Item wording or description	Variable name	Values <sup>c</sup>	Response options	Frequency Distributions <sup>a</sup>				Statistical Comparisons <sup>b</sup>		
				Wright State-Lake		Great Lakes Public		Wright State-Lake	Great Lakes Public	Effect size <sup>d</sup>
				Count	%	Count	%	Mean	Mean	
<b>4. During the current school year, have you participated in a first-year seminar or other course that introduces students to expectations of the academic community and college success skills (goalsetting, study skills, campus resources, etc.)?<sup>j</sup> (Comparison data are limited to NSSE 2021.)</b>										
FYSfy06_21		Yes		4	12	645	49	<b>12%</b>	49% ***	-0.83
(Means indicate the percentage who responded "Yes.")		No		18	60	517	37			
		Unsure		7	27	216	15			
		Total		29	100	1,378	100			
<b>5a. During the current school year, have you seriously considered leaving this institution?<sup>j</sup></b>										
FYSfy04a		No		26	90	1,790	72	<b>10%</b>	28% *	-0.46
(Means indicate the percentage who responded "Yes.")		Yes		3	10	711	28			
		Total		29	100	2,501	100			
<b>5b. [If answered "yes"] Why did you consider leaving? (Select all that apply.)</b>										
FYSfy04b_1_16	—	Academics are too difficult		0	0	118	17			
FYSfy04b_2_16	—	Academics are too easy		0	0	29	5			
FYSfy04b_3_16	—	Other academic issues (major not offered, course availability, advising, credit transfer, etc.)		0	0	110	15			
FYSfy04b_4_16	—	Financial concerns (costs or financial aid)		1	30	238	32			
FYSfy04b_5_16	—	To change your career options (transfer to another school or program, military service, etc.)		0	0	142	20			
FYSfy04b_6_16	—	Difficulty managing demands of school and work		0	0	148	20			
FYSfy04b_7_16	—	Too much emphasis on partying		0	0	45	8			
FYSfy04b_8_16	—	Not enough opportunities to socialize and have fun		1	30	163	24			
FYSfy04b_9_16	—	Relations with faculty and staff		1	30	85	13			
FYSfy04b_10_16	—	Relations with other students		1	30	137	19			
FYSfy04b_11_16	—	Campus climate, location, or culture		0	0	167	24			
FYSfy04b_12_16	—	Unsafe or hostile environment		0	0	42	7			
FYSfy04b_13_16	—	Personal reasons (family issues, physical or mental health, homesickness, stress, etc.)		0	0	314	44			
FYSfy04b_14_16	—	A reason not listed above, please specify:		2	70	124	17			

## First-Year Students

Item wording or description	Variable name	Values <sup>c</sup>	Response options	Frequency Distributions <sup>a</sup>				Statistical Comparisons <sup>b</sup>		
				Wright State-Lake		Great Lakes Public		Wright State-Lake	Great Lakes Public	Effect size <sup>d</sup>
				Count	%	Count	%	Mean	Mean	
<b>6. How important is it to you that you graduate from <i>this institution</i>?</b>										
	FYSiy05	1	Not important	0	0	136	5	<b>5.0</b>	4.9	.03
		2		3	12	84	3			
		3		2	6	159	6			
		4		3	12	360	14			
		5		4	15	431	18			
		6	Very important	17	56	1,311	53			
			Total	29	100	2,481	100			

\*p<.05, \*\*p<.01, \*\*\*p<.001 (2-tailed); Refer to the endnotes page for the key to triangle symbols.

### First-Year Students

Variable name	N	Mean		Standard error <sup>f</sup>		Standard deviation <sup>g</sup>		DF <sup>h</sup>	Sig. <sup>i</sup>	Effect size <sup>d</sup>
		Wright State-Lake	Great Lakes Public	Wright State-Lake	Great Lakes Public	Wright State-Lake	Great Lakes Public			
								<i>Comparisons with:</i>		
								Great Lakes Public		
FYSfy01a	29	2.63	2.71	.150	.017	0.81	0.84	2,431	.574	-.11
FYSfy01b	29	2.88	2.81	.137	.016	0.73	0.78	2,430	.609	.10
FYSfy01c	29	2.82	2.76	.153	.017	0.82	0.83	2,426	.701	.07
FYSfy01d	29	2.69	2.51	.162	.018	0.87	0.86	2,431	.252	.21
FYSfy01e	29	3.25	3.13	.116	.015	0.62	0.72	2,423	.352	.17
FYSfy01f	29	2.75	2.76	.184	.017	0.99	0.84	2,428	.940	-.01
FYSfy02a	29	3.04	3.55	.156	.023	0.84	1.12	29	.003	-.46
FYSfy02b	29	3.26	3.85	.241	.028	1.29	1.36	2,432	.020	-.43
FYSfy02c	29	2.89	3.07	.266	.027	1.43	1.34	2,429	.464	-.14
FYSfy02d	29	2.77	2.97	.275	.029	1.47	1.41	2,429	.456	-.14
FYSfy03a_16	29	2.25	2.21	.109	.016	0.59	0.80	2,426	.829	.04
FYSfy03b_16	29	1.47	1.75	.125	.017	0.67	0.83	2,426	.068	-.34
FYSfy03c_16	29	1.30	1.71	.099	.018	0.53	0.87	30	.000	-.47
FYSfy03d_16	29	2.63	2.66	.165	.019	0.89	0.92	2,424	.858	-.03
FYSfy03e_16	29	2.06	1.96	.157	.020	0.84	0.97	2,427	.572	.11
FYSfy03f_16	29	1.46	1.49	.144	.015	0.78	0.75	2,422	.839	-.04
FYSfy06_21 <sup>k</sup>	29	.123	.486	.0623	.0129	--	--	--	.000	-.83
FYSfy04a <sup>k</sup>	29	.104	.280	.0579	.0092	--	--	--	.036	-.46
FYSfy05	29	4.97	4.93	.266	.030	1.43	1.45	2,400	.878	.03



## Seniors

Item wording or description	Variable name	Values <sup>c</sup>	Response options	Frequency Distributions <sup>a</sup>				Statistical Comparisons <sup>b</sup>			
				Wright State-Lake		Great Lakes Public		Wright State-Lake	Great Lakes Public	Effect size <sup>d</sup>	
				Count	%	Count	%	Mean	Mean		
<b>1. Do you expect to graduate this spring or summer?</b>											
	FYSsr01_16	No		9	22	1,091	36				
		Yes		33	78	1,891	64				
		Total		42	100	2,982	100				
<b>1a. [Excludes those who answered "No," not expecting spring/summer graduation] After graduation, what best describes your immediate plans?</b>											
	FYSsr01a	—	Full-time employment	29	88	1,212	63				
		—	Part-time employment	0	0	52	3				
		—	Graduate or professional school	3	9	374	21				
		—	Military service	0	0	14	1				
		—	Service or volunteer activity (AmeriCorps, Peace Corps, Teach for America, etc.)	0	0	14	1				
		—	Internship (paid or unpaid)	0	0	68	3				
		—	Travel or gap year	0	0	54	3				
		—	No plans at this time	1	3	79	4				
		—	Other, please specify:	0	0	38	2				
		Total		33	100	1,905	100				
<b>1b. [If immediate plans included full- or part-time employment] Do you already have a job for after graduation?<sup>j</sup></b>											
	FYSsr01b	No		17	58	712	56	<b>42%</b>	44%	0.0	-.03
	(Means indicate the percentage who responded "Yes.")	Yes, I will start a new job		6	22	322	26				
		Yes, I will continue in my current job		6	20	221	18				
		Total		29	100	1,255	100				
<b>2. [Excludes those who answered "No," not expecting spring/summer graduation] To what extent have courses in your major(s) prepared you for your post-graduation plans?</b>											
	FYSsr02	1	Very little	0	0	116	6	<b>2.9</b>	3.0	-.03	
		2	Some	7	23	430	23				
		3	Quite a bit	19	60	757	39				
		4	Very much	6	17	597	32				
		Total		32	100	1,900	100				
<b>3. Do you intend to work eventually in a field related to your major(s)?<sup>j</sup></b>											
	FYSsr03	Yes		39	93	2,592	86	<b>93%</b>	86%	0.0	.23
	(Means indicate the percentage who responded "Yes.")	No		0	0	117	4				
		Unsure		3	7	272	10				
		Total		42	100	2,981	100				
<b>4. Do you plan to be self-employed, an independent contractor, or a freelance worker someday?<sup>j</sup></b>											
	FYSsr04	Yes		4	10	448	16	<b>10%</b>	16%	0.0	-.19
	(Means indicate the percentage who responded "Yes.")	No		27	63	1,765	57				
		Unsure		11	27	772	27				
		Total		42	100	2,985	100				

\*p<.05, \*\*p<.01, \*\*\*p<.001 (2-tailed); Refer to the endnotes page for the key to triangle symbols.

## Seniors

Item wording or description	Variable name	Values <sup>c</sup>	Response options	Frequency Distributions <sup>a</sup>				Statistical Comparisons <sup>b</sup>			
				Wright State-Lake		Great Lakes Public		Wright State-Lake	Great Lakes Public	Effect size <sup>d</sup>	
				Count	%	Count	%	Mean	Mean		
<b>5. Do you plan to start your own business (nonprofit or for-profit) someday?<sup>j</sup></b>											
	FYSsr05		Yes	3	8	501	18	<b>8%</b>	18%	0.0	-.30
			No	25	58	1,611	52				
			Unsure	14	34	870	30				
			Total	42	100	2,982	100				
<b>6. How much confidence do you have in your ability to complete tasks requiring the following skills and abilities?<sup>j</sup></b>											
a. Critical thinking and analysis of arguments and information	FYSsr06a		1	Very little	0	0	18	1	<b>3.3</b>	3.4	-.17
			2	Some	3	7	254	8			
			3	Quite a bit	23	54	1,192	39			
			4	Very much	16	39	1,517	52			
				Total	42	100	2,981	100			
b. Creative thinking and problem solving	FYSsr06b		1	Very little	0	0	13	0	<b>3.4</b>	3.5	-.12
			2	Some	0	0	221	8			
			3	Quite a bit	26	62	1,141	38			
			4	Very much	16	38	1,603	54			
				Total	42	100	2,978	100			
c. Research skills	FYSsr06c		1	Very little	0	0	54	2	<b>3.1</b>	3.2	-.09
			2	Some	7	17	496	16			
			3	Quite a bit	22	52	1,273	43			
			4	Very much	13	30	1,158	39			
				Total	42	100	2,981	100			
d. Clear writing	FYSsr06d		1	Very little	0	0	31	1	<b>3.2</b>	3.3	-.09
			2	Some	3	7	379	13			
			3	Quite a bit	26	63	1,227	41			
			4	Very much	13	30	1,342	45			
				Total	42	100	2,979	100			
e. Persuasive speaking	FYSsr06e		1	Very little	1	3	125	4	<b>2.7</b>	3.0 *	-0.36
			2	Some	17	42	780	26			
			3	Quite a bit	18	42	1,165	39			
			4	Very much	6	13	910	31			
				Total	42	100	2,980	100			
f. Technological skills	FYSsr06f		1	Very little	1	3	79	3	<b>3.1</b>	3.1	.01
			2	Some	9	21	651	21			
			3	Quite a bit	17	40	1,235	41			
			4	Very much	15	36	1,011	35			
				Total	42	100	2,976	100			
g. Financial and business management skills	FYSsr06g		1	Very little	3	6	484	16	<b>2.6</b>	2.5	.18
			2	Some	15	35	1,195	39			
			3	Quite a bit	19	47	796	27			
			4	Very much	5	12	500	18			
				Total	42	100	2,975	100			
h. Entrepreneurial skills	FYSsr06h		1	Very little	6	13	773	25	<b>2.3</b>	2.2	.04
			2	Some	23	55	1,199	40			
			3	Quite a bit	9	22	633	21			
			4	Very much	4	9	373	14			
				Total	42	100	2,978	100			

## Seniors

Item wording or description	Variable name	Values <sup>c</sup>	Response options	Frequency Distributions <sup>a</sup>				Statistical Comparisons <sup>b</sup>			
				Wright State-Lake		Great Lakes Public		Wright State-Lake	Great Lakes Public	Effect size <sup>d</sup>	
				Count	%	Count	%	Mean	Mean		
i. Leadership skills	FYSSr06i	1	Very little	0	0	58	2	<b>3.1</b>	3.2	-.19	
		2	Some	8	20	491	16				
		3	Quite a bit	21	51	1,107	37				
		4	Very much	13	29	1,321	45				
		Total		42	100	2,977	100				
j. Networking and relationship building	FYSSr06j	1	Very little	1	2	159	5	<b>2.9</b>	3.0	-.11	
		2	Some	13	31	738	25				
		3	Quite a bit	18	44	1,110	37				
		4	Very much	10	23	972	33				
		Total		42	100	2,979	100				
<b>7. To what extent has your coursework in your major(s) emphasized the following?</b>											
a. Generating new ideas or brainstorming	FYSSr07a	1	Very little	0	0	81	3	<b>3.2</b>	3.1	.13	
		2	Some	5	13	606	21				
		3	Quite a bit	23	55	1,215	40				
		4	Very much	14	33	1,069	36				
		Total		42	100	2,971	100				
b. Taking risks in your coursework without fear of penalty	FYSSr07b	1	Very little	8	19	651	22	<b>2.5</b>	2.4	.03	
		2	Some	12	30	931	31				
		3	Quite a bit	15	35	816	27				
		4	Very much	7	16	578	20				
		Total		42	100	2,976	100				
c. Evaluating multiple approaches to a problem	FYSSr07c	1	Very little	1	3	116	4	<b>2.9</b>	3.1	-.17	
		2	Some	10	26	610	20				
		3	Quite a bit	21	48	1,221	41				
		4	Very much	10	24	1,026	35				
		Total		42	100	2,973	100				
d. Inventing new methods to arrive at unconventional solutions	FYSSr07d	1	Very little	3	8	342	12	<b>2.7</b>	2.7	-.03	
		2	Some	17	41	921	31				
		3	Quite a bit	12	27	1,011	33				
		4	Very much	10	24	684	24				
		Total		42	100	2,958	100				
<b>8. Have you been creating an ePortfolio or other collection that includes samples of your work over time, shows your progress, and helps you reflect on the knowledge and skills you have gained?<sup>j</sup> (Comparison data are limited to NSSE 2021.)</b>											
	FYSSr09_21	Yes		14	31	435	26	<b>31%</b>	26%	0.0	.12
		No		24	58	1,100	66				
		Unsure		4	11	132	8				
		Total		42	100	1,667	100				
<b>9. Is there anything your institution could have done better to prepare you for your career or further education? Please describe.</b>											

This final question asked students to respond in an open text box. Comments were recorded for 14 seniors. Responses are provided in your NSSE21 Student Comments Report and in a separate SPSS data file.

*These open-ended responses appear exactly as respondents entered them and may not be suitable for distribution without prior review.*

\*p<.05, \*\*p<.01, \*\*\*p<.001 (2-tailed); Refer to the endnotes page for the key to triangle symbols.

### Seniors

Variable name	N	Mean		Standard error <sup>f</sup>		Standard deviation <sup>g</sup>		DF <sup>h</sup>	Sig. <sup>i</sup>	Effect size <sup>d</sup>
		Wright State-Lake	Great Lakes Public	Wright State-Lake	Great Lakes Public	Wright State-Lake	Great Lakes Public			
FYSsr01b <sup>k</sup>	29	.422	.439	.0932	.0132	--	--	--	.858	-.03
FYSsr02	32	2.94	2.97	.113	.019	0.64	0.89	33	.794	-.03
FYSsr03 <sup>k</sup>	42	.929	.859	.0400	.0060	--	--	--	.192	.23
FYSsr04 <sup>k</sup>	42	.097	.161	.0462	.0063	--	--	--	.263	-.19
FYSsr05 <sup>k</sup>	42	.082	.180	.0427	.0066	--	--	--	.097	-.30
FYSsr06a	42	3.32	3.43	.093	.011	0.61	0.66	3,419	.276	-.17
FYSsr06b	42	3.38	3.46	.076	.011	0.49	0.65	43	.298	-.12
FYSsr06c	42	3.13	3.20	.106	.013	0.69	0.77	3,422	.570	-.09
FYSsr06d	42	3.23	3.30	.088	.013	0.57	0.73	43	.463	-.09
FYSsr06e	42	2.66	2.97	.115	.015	0.75	0.86	3,422	.020	-.36
FYSsr06f	42	3.10	3.09	.128	.014	0.83	0.81	3,415	.939	.01
FYSsr06g	42	2.64	2.47	.120	.016	0.78	0.96	43	.157	.18
FYSsr06h	42	2.27	2.24	.125	.017	0.81	0.98	43	.788	.04
FYSsr06i	42	3.09	3.25	.109	.014	0.71	0.80	42	.169	-.19
FYSsr06j	42	2.87	2.97	.122	.015	0.79	0.89	3,420	.475	-.11
FYSsr07a	42	3.20	3.09	.100	.014	0.65	0.83	3,410	.387	.13
FYSsr07b	42	2.48	2.44	.153	.018	0.99	1.04	3,416	.830	.03
FYSsr07c	42	2.93	3.07	.121	.014	0.78	0.84	3,413	.281	-.17
FYSsr07d	42	2.66	2.69	.145	.017	0.94	0.96	3,393	.843	-.03
FYSsr09_21 <sup>k</sup>	42	0.31	0.26	.0723	.0096	--	--	--	.445	.12

## Endnotes

- a. Column percentages are weighted by institution-reported sex and enrollment status (and institution size for comparison groups). Percentages may not sum to 100 due to rounding. Counts are unweighted; column percentages cannot be replicated from counts. Comparison group details are in the *Selected Comparison Groups* report, linked in the Data & Reports table on the Institution Interface.
- b. All statistics are weighted by institution-reported sex and enrollment status (and institution size for comparison groups). Unless otherwise noted, statistical comparisons are two-tailed independent  $t$ -tests. Items with categorical response sets are left blank.
- c. These are the values used to calculate means. For the majority of items, these values match the codes in the data file and codebook.
- d. Effect size for independent  $t$ -tests uses Cohen's  $d$ ;  $z$ -tests use Cohen's  $h$ .
- e. Statistics are weighted by institution-reported sex and enrollment status (and institution size for comparison groups). Categorical items are not listed.
- f. The 95% confidence interval for the population mean is equal to the sample mean plus or minus 1.96 times the standard error of the mean.
- g. A measure of the amount individual scores deviate from the mean of all the scores in the distribution.
- h. Degrees of freedom used to compute the  $t$ -tests. Values differ from  $N$ s due to weighting and whether equal variances were assumed.
- i. Statistical comparisons are two-tailed independent  $t$ -tests or  $z$ -tests. Statistical significance represents the probability that the difference between your students' mean and that of the students in the comparison group is due to chance.
- j. Statistical comparison uses  $z$ -test to compare the proportion who responded (depending on the item) "Done or in progress" or "Yes" with all who responded otherwise.
- k. Mean represents the proportion who responded (depending on the item) "Done or in progress" or "Yes."

### Key to symbols:

- ▲ **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.
- ▽ **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.

Note: It is important to interpret the direction of differences relative to item wording and your institutional context.