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# **NSSE 2021 Topical Module Report**

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

Miami University-Hamilton

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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>		
				Miami-Hamilton		FY Exp / Sr Transitrn		Miami-Hamilton	FY Exp / Sr Transitrn	
				Count	%	Count	%	Mean	Mean	Effect size <sup>d</sup>
<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	7	8	1,655	5	<b>2.7</b>	2.8	-.12
		2	Sometimes	38	40	12,711	36			
		3	Often	30	30	12,717	36			
		4	Very often	24	22	7,776	23			
		Total		99	100	34,859	100			
b. Found additional information for course assignments when you didn't understand the material	FYSfy01b	1	Never	3	2	1,041	3	<b>2.9</b>	2.9	.00
		2	Sometimes	34	32	10,269	30			
		3	Often	36	42	15,679	44			
		4	Very often	26	24	7,784	23			
		Total		99	100	34,773	100			
c. Participated in course discussions, even when you didn't feel like it	FYSfy01c	1	Never	4	3	2,017	6	<b>2.9</b>	2.8	.19
		2	Sometimes	26	29	11,854	34			
		3	Often	40	42	13,465	38			
		4	Very often	28	26	7,466	22			
		Total		98	100	34,802	100			
d. Asked instructors for help when you struggled with course assignments	FYSfy01d	1	Never	10	9	3,463	11	<b>2.7</b>	2.5 *	.20
		2	Sometimes	32	35	14,315	41			
		3	Often	32	31	11,219	32			
		4	Very often	25	25	5,792	17			
		Total		99	100	34,789	100			
e. Finished something you have started when you encountered challenges	FYSfy01e	1	Never	0	0	361	1	<b>3.1</b>	3.1	.04
		2	Sometimes	17	19	6,616	19			
		3	Often	46	48	16,838	48			
		4	Very often	36	33	10,931	32			
		Total		99	100	34,746	100			
f. Stayed positive, even when you did poorly on a test or assignment	FYSfy01f	1	Never	4	3	1,581	5	<b>2.9</b>	2.9	.02
		2	Sometimes	34	37	10,964	30			
		3	Often	32	28	13,841	40			
		4	Very often	29	31	8,400	25			
		Total		99	100	34,786	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	1	1,762	6	<b>3.7</b>	3.5 *	.18
		2	2	11	10	5,049	15			
		3	3	29	28	10,445	30			
		4	4	40	45	11,822	33			
		5	5	14	14	4,112	12			
		6	Very difficult	2	2	1,605	5			
		Total		97	100	34,795	100			
b. Managing your time	FYSfy02b	1	Not at all difficult	10	9	1,927	6	<b>3.7</b>	3.8	-.04
		2	2	11	12	4,283	12			
		3	3	21	21	7,997	23			
		4	4	24	25	9,629	28			
		5	5	17	21	6,430	19			
		6	Very difficult	15	12	4,510	13			
		Total		98	100	34,776	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>		
				Miami-Hamilton		FY Exp / Sr Transn		Miami-Hamilton	FY Exp / Sr Transn	Effect size <sup>d</sup>
				Count	%	Count	%	Mean	Mean	
c. Getting help with school work	FYSfy02c	1	Not at all difficult	17	18	5,326	16	<b>2.9</b>	3.0	-.08
		2	2	25	28	8,236	23			
		3	3	23	23	9,447	27			
		4	4	21	19	7,070	20			
		5	5	5	6	3,004	9			
		6	Very difficult	7	7	1,689	5			
		Total		98	100	34,772	100			
d. Interacting with faculty	FYSfy02d	1	Not at all difficult	26	27	7,028	21	<b>2.5</b>	2.8 *	-.23
		2	2	23	24	8,265	23			
		3	3	28	30	8,743	25			
		4	4	15	13	6,215	18			
		5	5	5	5	2,838	8			
		6	Very difficult	1	2	1,678	5			
		Total		98	100	34,767	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	16	20	6,319	19	<b>2.3</b>	2.2	.16
		2	Sometimes	48	46	18,252	52			
		3	Often	19	19	7,713	22			
		4	Very often	13	15	2,466	7			
		Total		96	100	34,750	100			
b. Academic advisors	FYSfy03b_16	1	Never	36	36	14,113	41	<b>2.0</b>	1.8	.15
		2	Sometimes	37	40	13,776	39			
		3	Often	18	18	5,129	15			
		4	Very often	6	7	1,678	5			
		Total		97	100	34,696	100			
c. Learning support services (tutoring, writing center, success coaching, etc.)	FYSfy03c_16	1	Never	48	46	14,789	43	<b>1.9</b>	1.9	.08
		2	Sometimes	25	25	12,217	35			
		3	Often	17	19	5,285	15			
		4	Very often	8	10	2,406	7			
		Total		98	100	34,697	100			
d. Friends or other students	FYSfy03d_16	1	Never	19	21	3,644	12	<b>2.4</b>	2.7 **	-.30
		2	Sometimes	36	36	10,836	32			
		3	Often	30	27	12,338	34			
		4	Very often	11	16	7,907	22			
		Total		96	100	34,725	100			
e. Family members	FYSfy03e_16	1	Never	27	29	13,732	40	<b>2.2</b>	2.0 **	.28
		2	Sometimes	34	35	11,549	33			
		3	Often	25	21	6,301	18			
		4	Very often	11	15	3,142	9			
		Total		97	100	34,724	100			
f. Other persons or offices	FYSfy03f_16	1	Never	59	56	21,246	61	<b>1.7</b>	1.6	.17
		2	Sometimes	25	26	9,172	27			
		3	Often	10	12	3,079	9			
		4	Very often	3	6	1,184	4			
		Total		97	100	34,681	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>		
				Miami-Hamilton		FY Exp / Sr Transiti		Miami-Hamilton	FY Exp / Sr Transiti	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		36	38	6,764	50	<b>38%</b>	50% *	-0.25 ▽
(Means indicate the percentage who responded "Yes.")		No		48	49	4,285	34			
		Unsure		13	13	2,037	16			
		Total		97	100	13,086	100			
<b>5a. During the current school year, have you seriously considered leaving this institution?<sup>j</sup></b>										
FYSfy04a		No		76	79	24,824	72	<b>21%</b>	28% 0.0	-0.15
(Means indicate the percentage who responded "Yes.")		Yes		21	21	9,852	28			
		Total		97	100	34,676	100			
<b>5b. [If answered "yes"] Why did you consider leaving? (Select all that apply.)</b>										
FYSfy04b_1_16	—	Academics are too difficult		5	24	1,625	17			
FYSfy04b_2_16	—	Academics are too easy		0	0	449	5			
FYSfy04b_3_16	—	Other academic issues (major not offered, course availability, advising, credit transfer, etc.)		3	14	1,565	16			
FYSfy04b_4_16	—	Financial concerns (costs or financial aid)		6	25	4,004	40			
FYSfy04b_5_16	—	To change your career options (transfer to another school or program, military service, etc.)		2	6	1,752	19			
FYSfy04b_6_16	—	Difficulty managing demands of school and work		8	36	1,885	20			
FYSfy04b_7_16	—	Too much emphasis on partying		1	10	463	5			
FYSfy04b_8_16	—	Not enough opportunities to socialize and have fun		3	11	2,012	19			
FYSfy04b_9_16	—	Relations with faculty and staff		3	18	997	10			
FYSfy04b_10_16	—	Relations with other students		0	0	1,898	18			
FYSfy04b_11_16	—	Campus climate, location, or culture		3	17	2,445	24			
FYSfy04b_12_16	—	Unsafe or hostile environment		0	0	623	6			
FYSfy04b_13_16	—	Personal reasons (family issues, physical or mental health, homesickness, stress, etc.)		10	51	4,285	42			
FYSfy04b_14_16	—	A reason not listed above, please specify:		4	19	1,515	17			

## First-Year Students

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				Miami-Hamilton		FY Exp / Sr Transiti		Miami-Hamilton	FY Exp / Sr Transiti	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	3	3	1,431	4	<b>5.2</b>	5.1	.12
		2	2	1	2	1,125	3			
		3	3	4	4	2,130	6			
		4	4	13	13	4,206	12			
		5	5	13	16	5,078	14			
		6	Very important	62	63	20,549	59			
			Total	96	100	34,519	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>
		Miami-Hamilton	FY Exp / Sr Transiti	Miami-Hamilton	FY Exp / Sr Transiti	Miami-Hamilton	FY Exp / Sr Transiti			
								<i>Comparisons with:</i>		
								FY Exp / Sr Transiti		
FYSfy01a	98	2.66	2.76	.092	.005	0.91	0.86	25,963	.225	-.12
FYSfy01b	98	2.87	2.87	.081	.005	0.80	0.80	25,896	.989	.00
FYSfy01c	97	2.91	2.75	.083	.005	0.81	0.86	25,911	.063	.19
FYSfy01d	98	2.72	2.54	.096	.006	0.95	0.89	25,903	.045	.20
FYSfy01e	98	3.13	3.10	.072	.005	0.71	0.74	25,856	.659	.04
FYSfy01f	98	2.88	2.86	.091	.005	0.90	0.85	25,905	.832	.02
FYSfy02a	97	3.66	3.45	.094	.007	0.92	1.18	97	.028	.18
FYSfy02b	98	3.74	3.80	.148	.009	1.46	1.38	25,887	.662	-.04
FYSfy02c	98	2.87	2.98	.144	.009	1.43	1.37	25,890	.429	-.08
FYSfy02d	98	2.51	2.84	.128	.009	1.26	1.41	25,878	.021	-.23
FYSfy03a_16	96	2.29	2.17	.097	.005	0.95	0.81	96	.192	.16
FYSfy03b_16	97	1.96	1.84	.092	.005	0.91	0.85	25,827	.140	.15
FYSfy03c_16	98	1.93	1.86	.104	.006	1.02	0.92	97	.487	.08
FYSfy03d_16	96	2.38	2.66	.101	.006	0.99	0.95	25,853	.004	-.30
FYSfy03e_16	97	2.23	1.96	.105	.006	1.03	0.97	25,842	.007	.28
FYSfy03f_16	97	1.69	1.56	.093	.005	0.92	0.80	97	.150	.17
FYSfy06_21 <sup>k</sup>	97	.383	.504	.0496	.0052	--	--	--	.017	-.25
FYSfy04a <sup>k</sup>	97	.212	.278	.0417	.0028	--	--	--	.148	-.15
FYSfy05	96	5.24	5.07	.125	.009	1.23	1.40	25,695	.240	.12

## Seniors

Item wording or description	Variable name	Values <sup>c</sup>	Response options	Frequency Distributions <sup>a</sup>				Statistical Comparisons <sup>b</sup>			
				Miami-Hamilton		FY Exp / Sr Transitm		Miami-Hamilton	FY Exp / Sr Transitm	Effect size <sup>d</sup>	
				Count	%	Count	%	Mean	Mean		
<b>1. Do you expect to graduate this spring or summer?</b>											
	FYSsr01_16	No		16	29	14,563	35				
		Yes		39	71	29,721	65				
		Total		55	100	44,284	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	31	78	17,740	60				
		—	Part-time employment	1	2	1,387	4				
		—	Graduate or professional school	4	12	6,385	21				
		—	Military service	0	0	290	1				
		—	Service or volunteer activity (AmeriCorps, Peace Corps, Teach for America, etc.)	0	0	225	1				
		—	Internship (paid or unpaid)	0	0	1,261	4				
		—	Travel or gap year	0	0	1,028	3				
		—	No plans at this time	3	8	1,094	4				
		—	Other, please specify:	0	0	644	2				
		Total		39	100	30,054	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		16	52	10,089	51	<b>48%</b>	49%	0.0	-.01
	(Means indicate the percentage who responded "Yes.")	Yes, I will start a new job		7	23	3,712	20				
		Yes, I will continue in my current job		9	25	5,206	29				
		Total		32	100	19,007	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	2	4	1,840	7	<b>2.9</b>	3.0	-.08	
		2	Some	11	28	6,426	22				
		3	Quite a bit	13	38	11,034	36				
		4	Very much	13	30	10,680	36				
		Total		39	100	29,980	100				
<b>3. Do you intend to work eventually in a field related to your major(s)?<sup>j</sup></b>											
	FYSsr03	Yes		46	84	38,736	87	<b>84%</b>	87%	0.0	-.09
	(Means indicate the percentage who responded "Yes.")	No		2	5	1,696	4				
		Unsure		7	12	3,967	9				
		Total		55	100	44,399	100				
<b>4. Do you plan to be self-employed, an independent contractor, or a freelance worker someday?<sup>j</sup></b>											
	FYSsr04	Yes		10	18	9,569	23	<b>18%</b>	23%	0.0	-.11
	(Means indicate the percentage who responded "Yes.")	No		29	48	23,163	51				
		Unsure		16	33	11,675	27				
		Total		55	100	44,407	100				

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



## Seniors

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				Miami-Hamilton		FY Exp / Sr Transitn		Miami- Hamilton	FY Exp / Sr Transitn		Effect size <sup>d</sup>
				Count	%	Count	%	Mean	Mean	Mean	Mean
<b>5. Do you plan to start your own business (nonprofit or for-profit) someday?<sup>j</sup></b>											
	FYSsr05		Yes	8	15	11,168	27	<b>15%</b>	27%	0.0	-.29
			No	28	48	20,862	45				
			Unsure	19	37	12,424	28				
			Total	55	100	44,454	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	2	3	312	1	<b>3.4</b>	3.5	-.03
			2	Some	4	6	3,638	8			
			3	Quite a bit	20	36	16,539	36			
			4	Very much	28	55	23,877	55			
				Total	54	100	44,366	100			
b. Creative thinking and problem solving	FYSsr06b		1	Very little	0	0	270	1	<b>3.5</b>	3.5	.07
			2	Some	3	6	3,240	7			
			3	Quite a bit	22	36	16,017	35			
			4	Very much	30	58	24,793	56			
				Total	55	100	44,320	100			
c. Research skills	FYSsr06c		1	Very little	2	3	825	2	<b>3.3</b>	3.2	.01
			2	Some	4	6	6,923	15			
			3	Quite a bit	30	53	17,500	39			
			4	Very much	19	38	19,087	44			
				Total	55	100	44,335	100			
d. Clear writing	FYSsr06d		1	Very little	0	0	569	1	<b>3.4</b>	3.3	.08
			2	Some	6	10	5,513	13			
			3	Quite a bit	24	41	17,452	39			
			4	Very much	24	48	20,792	47			
				Total	54	100	44,326	100			
e. Persuasive speaking	FYSsr06e		1	Very little	2	5	1,537	4	<b>3.0</b>	3.1	-.05
			2	Some	14	23	9,945	22			
			3	Quite a bit	20	36	16,957	38			
			4	Very much	19	36	15,891	37			
				Total	55	100	44,330	100			
f. Technological skills	FYSsr06f		1	Very little	0	0	1,281	3	<b>3.2</b>	3.1	.13
			2	Some	12	20	9,376	20			
			3	Quite a bit	21	37	17,784	39			
			4	Very much	22	42	15,877	37			
				Total	55	100	44,318	100			
g. Financial and business management skills	FYSsr06g		1	Very little	5	9	6,602	14	<b>2.6</b>	2.6	.01
			2	Some	22	40	15,391	34			
			3	Quite a bit	18	31	13,051	30			
			4	Very much	10	20	9,255	22			
				Total	55	100	44,299	100			
h. Entrepreneurial skills	FYSsr06h		1	Very little	13	25	9,594	21	<b>2.3</b>	2.4	-.06
			2	Some	22	37	16,063	36			
			3	Quite a bit	10	17	10,824	25			
			4	Very much	10	21	7,816	19			
				Total	55	100	44,297	100			

## Seniors

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				Miami-Hamilton		FY Exp / Sr Transiti		Miami-Hamilton	FY Exp / Sr Transiti	Effect size <sup>d</sup>	
				Count	%	Count	%	Mean	Mean		
i. Leadership skills	FYSsr06i	1	Very little	1	2	1,253	3	<b>3.2</b>	3.2	-.08	
		2	Some	13	26	7,082	16				
		3	Quite a bit	16	26	15,758	35				
		4	Very much	25	47	20,224	46				
		Total		55	100	44,317	100				
j. Networking and relationship building	FYSsr06j	1	Very little	5	9	2,397	6	<b>2.8</b>	3.0	-.27	
		2	Some	14	28	9,925	22				
		3	Quite a bit	22	38	16,108	36				
		4	Very much	14	25	15,905	36				
		Total		55	100	44,335	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	1	1	1,285	3	<b>3.2</b>	3.1	.04	
		2	Some	11	22	7,848	18				
		3	Quite a bit	19	34	17,584	39				
		4	Very much	24	43	17,538	39				
		Total		55	100	44,255	100				
b. Taking risks in your coursework without fear of penalty	FYSsr07b	1	Very little	13	22	8,393	19	<b>2.4</b>	2.6	-.22	
		2	Some	20	36	12,254	28				
		3	Quite a bit	14	25	12,639	28				
		4	Very much	8	17	10,942	25				
		Total		55	100	44,228	100				
c. Evaluating multiple approaches to a problem	FYSsr07c	1	Very little	1	1	1,629	4	<b>3.2</b>	3.1	.15	
		2	Some	9	16	8,182	19				
		3	Quite a bit	22	40	17,405	39				
		4	Very much	23	43	16,973	38				
		Total		55	100	44,189	100				
d. Inventing new methods to arrive at unconventional solutions	FYSsr07d	1	Very little	6	11	4,513	11	<b>2.7</b>	2.8	-.08	
		2	Some	19	35	12,424	28				
		3	Quite a bit	14	23	14,510	33				
		4	Very much	14	30	12,591	29				
		Total		53	100	44,038	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		15	27	4,622	28	<b>27%</b>	28%	0.0	-.02
		No		35	67	10,012	63				
		Unsure		5	6	1,386	9				
		Total		55	100	16,020	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 27 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>
		Miami-Hamilton	FY Exp / Sr Transiti	Miami-Hamilton	FY Exp / Sr Transiti	Miami-Hamilton	FY Exp / Sr Transiti			
FYSsr01b <sup>k</sup>	31	.482	.488	.0920	.0045	--	--	--	.946	-.01
FYSsr02	38	2.93	3.01	.141	.007	0.88	0.92	19,592	.612	-.08
FYSsr03 <sup>k</sup>	54	.836	.868	.0508	.0020	--	--	--	.481	-.09
FYSsr04 <sup>k</sup>	54	.183	.228	.0530	.0024	--	--	--	.431	-.11
FYSsr05 <sup>k</sup>	54	.151	.267	.0491	.0026	--	--	--	.055	-.29
FYSsr06a	53	3.43	3.45	.101	.004	0.73	0.67	29,711	.818	-.03
FYSsr06b	54	3.52	3.48	.083	.004	0.61	0.66	29,673	.625	.07
FYSsr06c	54	3.25	3.25	.098	.005	0.72	0.78	29,690	.966	.01
FYSsr06d	53	3.38	3.32	.092	.004	0.67	0.74	29,677	.551	.08
FYSsr06e	54	3.04	3.08	.121	.005	0.89	0.85	29,686	.729	-.05
FYSsr06f	54	3.22	3.11	.104	.005	0.77	0.82	29,681	.347	.13
FYSsr06g	54	2.62	2.61	.124	.006	0.91	0.98	29,669	.929	.01
FYSsr06h	54	2.35	2.41	.147	.006	1.08	1.02	29,665	.637	-.06
FYSsr06i	54	3.17	3.23	.120	.005	0.89	0.83	29,674	.580	-.08
FYSsr06j	54	2.79	3.03	.126	.005	0.93	0.90	29,687	.050	-.27
FYSsr07a	54	3.18	3.15	.112	.005	0.82	0.82	29,634	.775	.04
FYSsr07b	54	2.36	2.59	.138	.006	1.01	1.06	29,615	.113	-.22
FYSsr07c	54	3.25	3.12	.104	.005	0.76	0.84	29,590	.263	.15
FYSsr07d	51	2.72	2.80	.143	.006	1.03	0.97	29,487	.581	-.08
FYSsr09_21 <sup>k</sup>	54	0.27	0.28	.0611	.0047	--	--	--	.894	-.02

## 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.