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# NSSE 2021 Topical Module Report

## Civic Engagement

Angelo State University

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Adapted from a pilot survey that was developed by the American Association of State Colleges and Universities, this module asks students to assess their conflict resolution skills and examines how often students have engaged with local or campus and state/national/global issues. The module complements questions on the core survey about service-learning, community service or volunteer work, and becoming an informed and active citizen.

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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>		
				ASU		Carnegie Class		ASU	Carnegie Class	
				Count	%	Count	%	Mean	Mean	Effect size <sup>d</sup>
<b>1. Select the response that best represents your ability to do the following:</b>										
a. Help people resolve their disagreements with each other	CIV01a19	1	Poor	3	1	15	1	<b>3.8</b>	3.7	.08
		2		12	5	101	6			
		3		89	32	640	34			
		4		107	40	808	41			
		5	Excellent	64	23	353	19			
		Total		275	100	1,917	100			
b. Resolve conflicts that involve bias, discrimination, and prejudice	CIV01b19	1	Poor	2	1	22	1	<b>3.7</b>	3.5 ***	.22
		2		17	6	199	10			
		3		88	32	744	38			
		4		110	41	666	34			
		5	Excellent	57	20	287	16			
		Total		274	100	1,918	100			
c. Lead a group in which people from different backgrounds feel welcomed and included	CIV01c19	1	Poor	7	3	40	2	<b>3.8</b>	3.7	.12
		2		13	5	155	8			
		3		71	26	558	28			
		4		106	38	726	37			
		5	Excellent	77	28	434	24			
		Total		274	100	1,913	100			
d. Participate in a constructive dialogue with someone who disagrees with you	CIV01d19	1	Poor	3	1	26	1	<b>3.8</b>	3.7	.08
		2		17	6	134	7			
		3		89	32	616	31			
		4		94	35	744	37			
		5	Excellent	70	26	398	22			
		Total		273	100	1,918	100			
e. Contribute to the well-being of your community	CIV01e19	1	Poor	3	1	22	1	<b>3.8</b>	3.8	.01
		2		9	3	100	6			
		3		85	32	520	27			
		4		110	41	840	42			
		5	Excellent	66	23	433	24			
		Total		273	100	1,915	100			
<b>2. How much does your institution emphasize the following?</b>										
a. Discussing important social, economic, or political issues with others	CIV02a19	1	Very little	47	18	193	11	<b>2.3</b>	2.5 ***	-.26
		2	Some	131	47	842	43			
		3	Quite a bit	66	25	619	32			
		4	Very much	29	10	255	14			
		Total		273	100	1,909	100			
		b. Organizing activities focused on important social, economic, or political issues	CIV02b19	1	Very little	55	20			
2	Some			123	46	775	40			
3	Quite a bit			60	21	666	34			
4	Very much			36	13	272	15			
Total				274	100	1,908	100			
c. Being an informed and active citizen	CIV02c19			1	Very little	32	12	126	7	<b>2.5</b>
		2	Some	108	39	654	34			
		3	Quite a bit	85	32	741	38			
		4	Very much	47	17	386	20			
		Total		272	100	1,907	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>		
				ASU		Carnegie Class		ASU	Carnegie Class	Effect size <sup>d</sup>
				Count	%	Count	%	Mean	Mean	
d. Being involved in an organization or group focused on important social, economic, or political issues	CIV02d19	1	Very little	41	15	207	12	<b>2.4</b>	2.5 *	-0.16 ▽
		2	Some	117	42	703	38			
		3	Quite a bit	78	29	694	34			
		4	Very much	38	14	300	16			
		Total		274	100	1,904	100			
e. Voting in campus, local, state, or national elections	CIV02e19	1	Very little	39	14	161	9	<b>2.5</b>	2.8 ****	-0.26 ▽
		2	Some	101	37	589	31			
		3	Quite a bit	84	31	691	35			
		4	Very much	49	18	466	25			
		Total		273	100	1,907	100			
f. Encouraging free speech and expression	CIV02f19	1	Very little	24	9	114	7	<b>2.8</b>	2.9	-0.09
		2	Some	82	30	492	26			
		3	Quite a bit	84	31	769	39			
		4	Very much	82	29	532	28			
		Total		272	100	1,907	100			
<b>3. How much do you feel encouraged addressing important social, economic, or political issues in the following?</b>										
a. In course assignments	CIV03a19	1	Very little	33	12	216	11	<b>2.5</b>	2.6	-0.06
		2	Some	109	40	720	36			
		3	Quite a bit	85	31	658	34			
		4	Very much	47	17	310	18			
		Total		274	100	1,904	100			
b. In course discussions	CIV03b19	1	Very little	34	12	226	12	<b>2.5</b>	2.6	-0.08
		2	Some	108	39	676	35			
		3	Quite a bit	84	31	668	35			
		4	Very much	47	18	332	19			
		Total		273	100	1,902	100			
c. Outside of class	CIV03c19	1	Very little	38	15	226	12	<b>2.5</b>	2.6	-0.08
		2	Some	106	38	710	36			
		3	Quite a bit	81	29	639	33			
		4	Very much	49	19	330	19			
		Total		274	100	1,905	100			
<b>4. During the current school year, whether course-related or not, about how often have you done the following?</b>										
a. Informed yourself about campus or local issues	CIV04a19	1	Never	21	8	153	8	<b>2.5</b>	2.5	-0.01
		2	Sometimes	128	47	804	42			
		3	Often	80	29	686	35			
		4	Very often	45	16	258	14			
		Total		274	100	1,901	100			
b. Informed yourself about state, national, or global issues	CIV04b19	1	Never	12	4	105	6	<b>2.9</b>	2.8	.05
		2	Sometimes	83	30	618	31			
		3	Often	111	41	730	38			
		4	Very often	67	25	450	25			
		Total		273	100	1,903	100			
c. Discussed campus or local issues with others	CIV04c19	1	Never	40	16	209	12	<b>2.4</b>	2.5	-0.12
		2	Sometimes	115	41	781	41			
		3	Often	80	30	641	33			
		4	Very often	38	13	269	14			
		Total		273	100	1,900	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>		
				ASU		Carnegie Class		ASU	Carnegie Class	
				Count	%	Count	%	Mean	Mean	Effect size <sup>d</sup>
d. Discussed state, national, or global issues with others	CIV04d19	1	Never	27	10	153	9	<b>2.7</b>	2.7	-.02
		2	Sometimes	99	35	672	35			
		3	Often	87	32	703	37			
		4	Very often	61	23	374	20			
		Total		274	100	1,902	100			
e. Raised awareness about campus or local issues	CIV04e19	1	Never	114	44	719	37	<b>1.8</b>	2.0 *	-0.15 ▽
		2	Sometimes	106	37	701	38			
		3	Often	33	12	346	18			
		4	Very often	20	7	135	7			
		Total		273	100	1,901	100			
f. Raised awareness about state, national, or global issues	CIV04f19	1	Never	97	36	652	33	<b>2.0</b>	2.1	-.08
		2	Sometimes	101	36	677	36			
		3	Often	49	18	387	21			
		4	Very often	25	9	182	10			
		Total		272	100	1,898	100			
g. Asked others to address campus or local issues	CIV04g19	1	Never	132	50	885	46	<b>1.8</b>	1.8	-.04
		2	Sometimes	86	30	605	32			
		3	Often	36	13	290	15			
		4	Very often	20	7	119	7			
		Total		274	100	1,899	100			
h. Asked others to address state, national, or global issues	CIV04h19	1	Never	125	47	843	44	<b>1.9</b>	1.9	-.03
		2	Sometimes	80	28	597	32			
		3	Often	45	17	322	17			
		4	Very often	22	8	137	8			
		Total		272	100	1,899	100			
i. Organized others to work on campus or local issues	CIV04i19	1	Never	178	66	1,127	58	<b>1.5</b>	1.7 *	-.15 ▽
		2	Sometimes	59	20	440	24			
		3	Often	22	9	230	12			
		4	Very often	13	5	99	6			
		Total		272	100	1,896	100			
j. Organized others to work on state, national, or global issues	CIV04j19	1	Never	172	64	1,131	58	<b>1.5</b>	1.7 *	-.14 ▽
		2	Sometimes	64	23	426	23			
		3	Often	22	8	228	12			
		4	Very often	12	5	98	6			
		Total		270	100	1,883	100			

### 5. Think about the experiences you may have had with campus, local, state, national, or global issues. What about these experiences has been most meaningful to you?

This final question asked students to respond in an open text box. Comments were recorded for 105 first-year students and 108 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.*

## Seniors

Item wording or description	Variable name	Values <sup>c</sup>	Response options	Frequency Distributions <sup>a</sup>				Statistical Comparisons <sup>b</sup>		
				ASU		Carnegie Class		ASU	Carnegie Class	
				Count	%	Count	%	Mean	Mean	Effect size <sup>d</sup>
<b>1. Select the response that best represents your ability to do the following:</b>										
a. Help people resolve their disagreements with each other	CIV01a19	1	Poor	4	2	16	1	<b>3.9</b>	3.9	.07
		2		9	3	98	5			
		3		80	25	484	25			
		4		130	40	840	43			
		5	Excellent	88	30	458	26			
		Total		311	100	1,896	100			
b. Resolve conflicts that involve bias, discrimination, and prejudice	CIV01b19	1	Poor	3	1	25	1	<b>3.8</b>	3.7 *	.13
		2		23	7	174	8			
		3		88	27	629	32			
		4		124	38	701	37			
		5	Excellent	73	26	365	21			
		Total		311	100	1,894	100			
c. Lead a group in which people from different backgrounds feel welcomed and included	CIV01c19	1	Poor	0	0	23	1	<b>4.1</b>	4.0 *	.13
		2		15	4	98	5			
		3		57	18	428	23			
		4		127	42	764	39			
		5	Excellent	111	35	583	32			
		Total		310	100	1,896	100			
d. Participate in a constructive dialogue with someone who disagrees with you	CIV01d19	1	Poor	1	0	26	1	<b>4.0</b>	3.9 *	.15
		2		17	5	105	5			
		3		62	20	490	25			
		4		134	42	827	42			
		5	Excellent	97	32	450	27			
		Total		311	100	1,898	100			
e. Contribute to the well-being of your community	CIV01e19	1	Poor	2	1	20	1	<b>4.0</b>	4.0	-.03
		2		14	5	75	4			
		3		70	24	431	23			
		4		122	38	778	39			
		5	Excellent	102	32	593	33			
		Total		310	100	1,897	100			
<b>2. How much does your institution emphasize the following?</b>										
a. Discussing important social, economic, or political issues with others	CIV02a19	1	Very little	31	11	221	12	<b>2.6</b>	2.5	.08
		2	Some	132	42	844	43			
		3	Quite a bit	90	29	564	30			
		4	Very much	57	19	263	15			
		Total		310	100	1,892	100			
		b. Organizing activities focused on important social, economic, or political issues	CIV02b19	1	Very little	41	14			
2	Some			133	44	794	41			
3	Quite a bit			83	25	570	30			
4	Very much			50	16	269	15			
Total				307	100	1,888	100			
c. Being an informed and active citizen	CIV02c19			1	Very little	14	5	185	10	<b>2.8</b>
		2	Some	102	32	632	33			
		3	Quite a bit	119	37	676	35			
		4	Very much	75	25	397	23			
		Total		310	100	1,890	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>		
				ASU		Carnegie Class		ASU	Carnegie Class	
				Count	%	Count	%	Mean	Mean	Effect size <sup>d</sup>
d. Being involved in an organization or group focused on important social, economic, or political issues	CIV02d19	1	Very little	33	12	277	15	<b>2.6</b>	2.5	.06
		2	Some	118	38	733	37			
		3	Quite a bit	104	33	571	31			
		4	Very much	55	18	310	17			
		Total		310	100	1,891	100			
e. Voting in campus, local, state, or national elections	CIV02e19	1	Very little	33	12	158	9	<b>2.8</b>	2.9	-.08
		2	Some	89	28	531	27			
		3	Quite a bit	98	31	649	33			
		4	Very much	90	29	549	31			
		Total		310	100	1,887	100			
f. Encouraging free speech and expression	CIV02f19	1	Very little	13	4	137	7	<b>3.0</b>	2.9 **	.19 △
		2	Some	72	23	521	27			
		3	Quite a bit	115	36	723	37			
		4	Very much	110	37	510	29			
		Total		310	100	1,891	100			
<b>3. How much do you feel encouraged addressing important social, economic, or political issues in the following?</b>										
a. In course assignments	CIV03a19	1	Very little	32	11	270	13	<b>2.6</b>	2.6	-.02
		2	Some	119	38	671	33			
		3	Quite a bit	98	31	610	33			
		4	Very much	59	20	339	20			
		Total		308	100	1,890	100			
b. In course discussions	CIV03b19	1	Very little	23	7	247	12	<b>2.7</b>	2.7	.02
		2	Some	116	38	628	31			
		3	Quite a bit	106	34	638	34			
		4	Very much	64	21	372	22			
		Total		309	100	1,885	100			
c. Outside of class	CIV03c19	1	Very little	37	13	222	11	<b>2.6</b>	2.6	.00
		2	Some	104	33	673	34			
		3	Quite a bit	104	33	649	34			
		4	Very much	65	22	346	21			
		Total		310	100	1,890	100			
<b>4. During the current school year, whether course-related or not, about how often have you done the following?</b>										
a. Informed yourself about campus or local issues	CIV04a19	1	Never	20	7	152	9	<b>2.7</b>	2.6	.10
		2	Sometimes	116	38	810	42			
		3	Often	114	37	619	33			
		4	Very often	59	19	306	17			
		Total		309	100	1,887	100			
b. Informed yourself about state, national, or global issues	CIV04b19	1	Never	6	2	65	4	<b>3.1</b>	2.9 **	.18 △
		2	Sometimes	81	26	571	29			
		3	Often	108	34	726	38			
		4	Very often	113	38	526	30			
		Total		308	100	1,888	100			
c. Discussed campus or local issues with others	CIV04c19	1	Never	29	11	216	12	<b>2.6</b>	2.6	.04
		2	Sometimes	126	41	778	40			
		3	Often	91	28	555	29			
		4	Very often	63	20	331	19			
		Total		309	100	1,880	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>		
				ASU		Carnegie Class		ASU	Carnegie Class	
				Count	%	Count	%	Mean	Mean	Effect size <sup>d</sup>
d. Discussed state, national, or global issues with others	CIV04d19	1	Never	15	5	105	6	<b>2.9</b>	2.8 **	.18
		2	Sometimes	97	32	670	34			
		3	Often	93	28	667	35			
		4	Very often	104	36	444	25			
		Total		309	100	1,886	100			
e. Raised awareness about campus or local issues	CIV04e19	1	Never	100	32	640	33	<b>2.1</b>	2.1	.00
		2	Sometimes	117	38	750	39			
		3	Often	62	20	311	17			
		4	Very often	30	10	186	11			
		Total		309	100	1,887	100			
f. Raised awareness about state, national, or global issues	CIV04f19	1	Never	71	23	535	27	<b>2.3</b>	2.2 *	.12
		2	Sometimes	112	36	718	37			
		3	Often	77	24	409	23			
		4	Very often	47	17	222	13			
		Total		307	100	1,884	100			
g. Asked others to address campus or local issues	CIV04g19	1	Never	118	39	839	43	<b>2.0</b>	1.9	.08
		2	Sometimes	114	36	635	34			
		3	Often	49	16	273	15			
		4	Very often	28	9	138	8			
		Total		309	100	1,885	100			
h. Asked others to address state, national, or global issues	CIV04h19	1	Never	106	34	780	40	<b>2.1</b>	2.0 *	.13
		2	Sometimes	110	35	634	34			
		3	Often	59	19	308	17			
		4	Very often	32	12	159	9			
		Total		307	100	1,881	100			
i. Organized others to work on campus or local issues	CIV04i19	1	Never	169	54	1,112	59	<b>1.7</b>	1.6	.08
		2	Sometimes	83	27	472	25			
		3	Often	36	12	186	10			
		4	Very often	21	7	114	7			
		Total		309	100	1,884	100			
j. Organized others to work on state, national, or global issues	CIV04j19	1	Never	178	57	1,120	58	<b>1.7</b>	1.6	.08
		2	Sometimes	75	24	472	25			
		3	Often	32	10	181	10			
		4	Very often	23	8	101	6			
		Total		308	100	1,874	100			

### 5. Think about the experiences you may have had with campus, local, state, national, or global issues. What about these experiences has been most meaningful to you?

This final question asked students to respond in an open text box. Comments were recorded for 105 first-year students and 108 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.



## 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>
	ASU	ASU	Carnegie Class	ASU	Carnegie Class	ASU	Carnegie Class			
CIV01a19	272	3.79	3.71	.054	.021	0.89	0.87	2,042	.204	.08
CIV01b19	271	3.74	3.54	.053	.022	0.88	0.93	368	.001	.22
CIV01c19	271	3.84	3.72	.060	.024	0.99	1.00	2,037	.071	.12
CIV01d19	270	3.80	3.72	.056	.022	0.93	0.94	2,042	.197	.08
CIV01e19	270	3.81	3.80	.052	.022	0.86	0.92	2,039	.860	.01
CIV02a19	270	2.27	2.50	.053	.021	0.87	0.86	2,029	.000	-.26
CIV02b19	271	2.27	2.52	.056	.021	0.93	0.88	2,029	.000	-.28
CIV02c19	268	2.55	2.72	.056	.021	0.91	0.87	2,028	.003	-.20
CIV02d19	271	2.41	2.55	.055	.022	0.91	0.90	2,025	.017	-.16
CIV02e19	270	2.52	2.76	.058	.022	0.95	0.93	2,029	.000	-.26
CIV02f19	269	2.81	2.89	.059	.021	0.96	0.89	343	.203	-.09
CIV03a19	271	2.54	2.59	.056	.022	0.92	0.91	2,026	.382	-.06
CIV03b19	270	2.54	2.61	.056	.022	0.93	0.92	2,023	.243	-.08
CIV03c19	271	2.51	2.59	.058	.022	0.96	0.92	2,028	.220	-.08
CIV04a19	271	2.53	2.55	.052	.020	0.86	0.83	2,024	.849	-.01
CIV04b19	270	2.87	2.83	.051	.021	0.84	0.87	2,024	.460	.05
CIV04c19	270	2.39	2.50	.055	.021	0.91	0.88	2,020	.063	-.12
CIV04d19	271	2.67	2.68	.057	.021	0.94	0.89	2,024	.807	-.02
CIV04e19	270	1.83	1.96	.055	.022	0.90	0.92	2,022	.026	-.15
CIV04f19	269	2.01	2.09	.058	.023	0.96	0.97	2,018	.221	-.08
CIV04g19	271	1.78	1.82	.057	.022	0.94	0.92	2,019	.494	-.04
CIV04h19	269	1.87	1.89	.060	.023	0.98	0.96	2,018	.688	-.03
CIV04i19	269	1.52	1.65	.051	.022	0.84	0.91	370	.018	-.15
CIV04j19	267	1.53	1.66	.051	.022	0.83	0.91	371	.019	-.14

## 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>
	ASU	ASU	Carnegie Class	ASU	Carnegie Class	ASU	Carnegie Class			
CIV01a19	310	3.94	3.88	.051	.020	0.90	0.88	2,263	.238	.07
CIV01b19	310	3.80	3.68	.054	.021	0.95	0.95	2,259	.039	.13
CIV01c19	309	4.08	3.96	.048	.021	0.84	0.93	2,261	.033	.13
CIV01d19	310	4.01	3.87	.050	.021	0.88	0.91	2,264	.013	.15
CIV01e19	309	3.96	3.99	.052	.021	0.92	0.91	2,263	.621	-.03
CIV02a19	309	2.55	2.48	.052	.020	0.91	0.88	2,256	.171	.08
CIV02b19	306	2.44	2.47	.053	.021	0.93	0.91	2,247	.619	-.03
CIV02c19	309	2.82	2.70	.050	.021	0.87	0.93	426	.031	.13
CIV02d19	309	2.56	2.51	.052	.021	0.91	0.94	2,255	.359	.06
CIV02e19	309	2.78	2.86	.057	.022	1.00	0.95	2,249	.174	-.08
CIV02f19	309	3.05	2.87	.050	.021	0.88	0.91	2,254	.002	.19
CIV03a19	307	2.59	2.61	.053	.022	0.93	0.95	2,254	.802	-.02
CIV03b19	308	2.68	2.66	.050	.022	0.89	0.96	428	.757	.02
CIV03c19	309	2.64	2.64	.055	.021	0.96	0.94	2,255	.956	.00
CIV04a19	308	2.67	2.59	.049	.020	0.85	0.87	2,254	.120	.10
CIV04b19	307	3.09	2.94	.048	.019	0.84	0.85	2,252	.004	.18
CIV04c19	308	2.59	2.55	.053	.021	0.93	0.93	2,244	.544	.04
CIV04d19	308	2.95	2.79	.053	.020	0.93	0.89	2,252	.004	.18
CIV04e19	308	2.06	2.06	.054	.022	0.95	0.97	2,252	.952	.00
CIV04f19	306	2.34	2.22	.058	.022	1.01	0.98	2,245	.045	.12
CIV04g19	308	1.96	1.88	.055	.021	0.96	0.94	2,250	.197	.08
CIV04h19	307	2.08	1.95	.057	.022	1.00	0.96	2,243	.036	.13
CIV04i19	308	1.72	1.65	.053	.021	0.94	0.91	2,247	.179	.08
CIV04j19	307	1.71	1.64	.055	.020	0.96	0.89	2,238	.191	.08

See the endnotes on the last page of this report.

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## 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.