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# NSSE 2023

## Frequencies and Statistical Comparisons

Northern Michigan University

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# NSSE 2023 Frequencies and Statistical Comparisons

## About This Report

The *Frequencies and Statistical Comparisons* report presents item-by-item student responses and statistical comparisons that allow you to examine patterns of similarity and difference between your students and those at your comparison group institutions. The report uses information from all randomly selected or census-administered students. The display below highlights important details in the report to keep in mind when interpreting your results. For more information please visit our website ([nsse.indiana.edu](https://nsse.indiana.edu)) or contact a member of the NSSE team.

- Class level:** As reported by your institution.
- Item numbers:** Numbering corresponds to the instrument available on the NSSE website.


- Item wording and variable names:** Survey items are in the same order and wording as they appear on the instrument. Variable names are included for easy reference to your data file and codebook.

- Values and response options:** Values are used to calculate means. Response options are worded as they appear on the instrument.

- Count and column percentage (%):** The Count column contains the number of students who selected the corresponding response option. The column percentage is the weighted percentage of students selecting the corresponding response option.

**Note:** Column percentages and statistics are weighted by institution-reported sex and enrollment status. Comparison group statistics are also weighted by institutional size. Counts are unweighted and cannot be used to replicate column percentages. For details visit: [go.iu.edu/NSSE-weights](https://go.iu.edu/NSSE-weights)

- Statistical comparisons:** Items with mean differences that are larger than would be expected by chance are noted with asterisks referring to three significance levels (\* $p < .05$ , \*\* $p < .01$ , \*\*\* $p < .001$ ). Significance levels indicate the probability that an observed difference is due to chance. Statistical significance does not guarantee the result is substantive or important. Large sample sizes will generate more statistically significant results even when the magnitude of mean differences are inconsequential. Consult effect sizes (see #7) to judge the practical meaning of differences. Unless otherwise noted, statistical comparisons are two-tailed independent  $t$ -tests. Exceptions are items 11 a-f which are compared using a  $z$ -test.



### NSSE Frequencies and Statistical Comparisons

NSSEville State University

Seniors		Frequency Distributions <sup>a</sup>										Statistical Comparisons <sup>b</sup>							
		NSSEville State		Admissions Overlap		Carnegie UG Program		NSSE Cohort		NSSEville State	Admissions Overlap	Carnegie UG Program	NSSE Cohort						
Item wording or description	Variable name <sup>c</sup>	Values <sup>d</sup>	Response options	Count	%	Count	%	Count	%	Count	%	Mean	Mean	Effect size <sup>e</sup>	Mean	Effect size <sup>e</sup>	Mean	Effect size <sup>e</sup>	
<b>6. Doing the current school year, about how often have you done the following?</b>																			
a. Reached conclusions based on your own analysis of numerical information (numbers, graphs, statistics, etc.)	QRconclude	1 2 3 4	Never Sometimes Often Very often	3 135 212 280	0 20 33 46	244 4,397 5,947 5,440	2 27 37 34	54 845 1,086 889	2 29 38 31	6,952 75,222 81,724 66,983	3 33 35 29	3.3	3.0 ***	.27	3.0 ***	.35	2.9 ***	.43	
b. Used numerical information to examine a real-world problem or issue (unemployment, climate change, public health, etc.)	QRproblem	1 2 3 4	Never Sometimes Often Very often	82 267 164 113	13 42 26 19	2,369 5,959 4,548 3,072	14 37 29 20	401 978 858 611	14 34 31 1	35,490 79,495 67,348 7,208	16 34 29 21	2.5	2.5	-.04	2.6 *	-.09	2.6	-.05	
c. Evaluated what others have concluded from numerical information	QRevaluate	1 2 3 4	Never Sometimes Often Very often	25 56 384 150	4 9 63 24	778 1,666 9,147 4,267	5 11 57 27	134 262 1,586 851	5 10 57 29	12,543 28,134 128,802 58,873	6 13 56 26	3.1	3.1	.02	3.1	-.04	3.0	.06	
				615	100	15,858	100	2,833	100	228,352	100								

- Effect size:** Effect size indicates practical significance. An effect size of .2 is often considered small, .5 moderate, and .8 large (NSSE adjusts this to .1/.3/.5 for the Engagement Indicators). A positive effect size indicates that your institution's mean was greater than that of the comparison group, thus showing a favorable result for your institution. A negative effect size indicates your institution lags behind the comparison group, suggesting that the student behavior or institutional practice represented by the item may warrant attention. Effect sizes for independent  $t$ -tests use Cohen's  $d$ ;  $z$ -tests use Cohen's  $h$ . Cohen's  $d$  is calculated by dividing the mean difference by the pooled standard deviation. Cohen's  $h$  is calculated by taking the difference in the proportion of students who responded "Done or in progress" after the proportion has been transformed using a non-linear (arcsine) transformation. See: Cohen, J. (1988). *Statistical power analysis for the behavioral sciences (2nd edition)*. New York: Psychology Press.

**8. 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. You may not see all of these symbols in your report.

# NSSE 2023 Frequencies and Statistical Comparisons

## Northern Michigan University

### First-Year Students

#### Frequency Distributions<sup>a</sup>

#### Statistical Comparisons<sup>b</sup>

*Your first-year students compared with*

Item wording or description	Variable name <sup>c</sup>	Values <sup>d</sup>	Response options	Frequency Distributions <sup>a</sup>								Statistical Comparisons <sup>b</sup>							
				NMU		Great Lakes Public		Carnegie Class		NSSE 2022 & 2023		NMU	Great Lakes Public	Carnegie Class	NSSE 2022 & 2023				
				Count	%	Count	%	Count	%	Count	%	Mean	Mean	Effect size <sup>e</sup>	Mean	Effect size <sup>e</sup>	Mean	Effect size <sup>e</sup>	
<b>1. During the current school year, about how often have you done the following?</b>																			
a. Asked questions or contributed to course discussions in other ways	askquest	1	Never	11	8	586	4	345	3	7,252	4	<b>2.6</b>	2.8	-.15	2.8 *	-.17	2.8	-.15	
			2	Sometimes	61	37	6,857	38	4,852	38	75,008								38
			3	Often	59	35	6,546	36	4,706	36	71,084								35
			4	Very often	32	19	4,105	22	3,061	23	49,123								24
			Total	163	100	18,094	100	12,964	100	202,467	100								
b. Asked another student to help you understand course material	CLaskhelp	1	Never	17	13	2,177	12	1,420	12	25,250	15	<b>2.4</b>	2.5	-.09	2.5	-.06	2.4	-.04	
			2	Sometimes	75	45	7,538	42	5,602	44	82,098								41
			3	Often	54	31	5,481	30	3,898	29	61,166								29
			4	Very often	18	12	2,853	16	1,985	14	33,162								15
			Total	164	100	18,049	100	12,905	100	201,676	100								
c. Explained course material to one or more students	CLexplain	1	Never	6	5	1,468	8	991	8	19,019	11	<b>2.5</b>	2.6	-.09	2.6	-.06	2.5	-.02	
			2	Sometimes	81	49	7,416	41	5,456	43	82,041								41
			3	Often	61	35	6,319	35	4,472	34	68,234								33
			4	Very often	16	11	2,800	16	1,961	15	32,062								15
			Total	164	100	18,003	100	12,880	100	201,356	100								
d. Prepared for exams by discussing or working through course material with other students	CLstudy	1	Never	38	25	3,890	22	2,444	20	39,914	22	<b>2.3</b>	2.3	-.07	2.3	-.08	2.3	-.08	
			2	Sometimes	61	37	6,739	38	5,044	40	73,619								37
			3	Often	44	27	4,752	26	3,419	26	55,165								26
			4	Very often	18	12	2,526	14	1,893	14	31,417								15
			Total	161	100	17,907	100	12,800	100	200,115	100								
e. Worked with other students on course projects or assignments	CLproject	1	Never	15	10	1,658	9	1,066	9	20,950	13	<b>2.5</b>	2.6	-.06	2.6	-.05	2.5	.00	
			2	Sometimes	68	38	7,042	40	4,991	40	74,143								37
			3	Often	65	41	6,186	34	4,549	35	69,716								34
			4	Very often	14	11	2,910	17	2,122	16	34,218								16
			Total	162	100	17,796	100	12,728	100	199,027	100								
f. Given a course presentation	present	1	Never	20	14	4,095	23	2,246	19	41,095	23	<b>2.4</b>	2.2 **	.21	2.3	.10	2.2 *	.17	
			2	Sometimes	76	47	8,234	47	5,884	46	90,265								45
			3	Often	53	30	3,851	22	3,248	25	46,696								23
			4	Very often	13	9	1,583	9	1,310	10	20,535								10
			Total	162	100	17,763	100	12,688	100	198,591	100								

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

# NSSE 2023 Frequencies and Statistical Comparisons

## Northern Michigan University

### First-Year Students

#### Frequency Distributions<sup>a</sup>

#### Statistical Comparisons<sup>b</sup>

*Your first-year students compared with*

Item wording or description	Variable name <sup>c</sup>	Values <sup>d</sup>	Response options	NMU		Great Lakes Public		Carnegie Class		NSSE 2022 & 2023		NMU Mean	Great Lakes Public		Carnegie Class		NSSE 2022 & 2023		
				Count	%	Count	%	Count	%	Count	%		Mean	Effect size <sup>e</sup>	Mean	Effect size <sup>e</sup>	Mean	Effect size <sup>e</sup>	
<b>2. During the current school year, about how often have you done the following?</b>																			
a. Combined ideas from different courses when completing assignments	RIIntegrate	1	Never	10	8	1,306	8	1,052	9	16,582	9	<b>2.6</b>	2.6	-.04	2.6	.02	2.6	.01	
			2	Sometimes	58	36	6,365	37	4,736	38	72,993								37
			3	Often	67	43	7,007	40	4,728	38	73,972								37
			4	Very often	24	13	2,816	16	1,960	16	32,034								16
			Total	159	100	17,494	100	12,476	100	195,581	100								
b. Connected your learning to societal problems or issues	RIsocietal	1	Never	11	7	1,597	10	1,166	10	17,602	10	<b>2.7</b>	2.6	.13	2.6	.14	2.6	.11	
			2	Sometimes	56	39	6,452	38	4,681	38	71,030								37
			3	Often	54	32	6,314	35	4,487	35	70,389								35
			4	Very often	37	22	2,947	17	2,022	16	34,802								18
			Total	158	100	17,310	100	12,356	100	193,823	100								
c. Included diverse perspectives (political, religious, racial/ethnic, gender, etc.) in course discussions or assignments	RIdiverse	1	Never	15	12	1,652	10	1,127	10	17,820	11	<b>2.7</b>	2.6	.06	2.6	.06	2.6	.05	
			2	Sometimes	44	28	6,035	36	4,388	36	66,704								35
			3	Often	66	42	6,180	35	4,446	36	69,119								35
			4	Very often	32	19	3,271	19	2,279	18	38,277								19
			Total	157	100	17,138	100	12,240	100	191,920	100								
d. Examined the strengths and weaknesses of your own views on a topic or issue	Rlownview	1	Never	4	3	785	5	563	5	8,612	5	<b>2.8</b>	2.8	-.03	2.8	-.01	2.8	-.05	
			2	Sometimes	53	33	5,200	31	3,821	32	57,196								30
			3	Often	75	49	7,695	45	5,369	44	85,951								45
			4	Very often	23	15	3,252	19	2,294	19	37,638								20
			Total	155	100	16,932	100	12,047	100	189,397	100								
e. Tried to better understand someone else's views by imagining how an issue looks from their perspective	RIperspect	1	Never	4	4	478	3	326	3	5,151	3	<b>2.9</b>	2.9	-.05	2.9	-.05	2.9	-.07	
			2	Sometimes	38	24	4,195	26	3,135	26	47,188								26
			3	Often	82	53	7,955	48	5,551	47	87,358								46
			4	Very often	27	19	3,994	24	2,804	24	46,423								25
			Total	151	100	16,622	100	11,816	100	186,120	100								
f. Learned something that changed the way you understand an issue or concept	Rlnewview	1	Never	2	2	484	3	362	3	5,260	3	<b>2.8</b>	2.9	-.02	2.8	.00	2.9	-.04	
			2	Sometimes	46	30	4,794	30	3,490	31	52,735								29
			3	Often	72	50	7,476	45	5,177	44	82,471								44
			4	Very often	26	18	3,557	22	2,527	22	42,538								23
			Total	146	100	16,311	100	11,556	100	183,004	100								

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

# NSSE 2023 Frequencies and Statistical Comparisons

## Northern Michigan University

### First-Year Students

#### Frequency Distributions<sup>a</sup>

#### Statistical Comparisons<sup>b</sup>

*Your first-year students compared with*

Item wording or description	Variable name <sup>c</sup>	Values <sup>d</sup>	Response options	Frequency Distributions <sup>a</sup>								Statistical Comparisons <sup>b</sup>						
				NMU		Great Lakes Public		Carnegie Class		NSSE 2022 & 2023		NMU	Great Lakes Public	Carnegie Class	NSSE 2022 & 2023			
				Count	%	Count	%	Count	%	Count	%	Mean	Mean	Effect size <sup>e</sup>	Mean	Effect size <sup>e</sup>	Mean	Effect size <sup>e</sup>
g. Connected ideas from your courses to your prior experiences and knowledge	Rlconnect	1	Never	1	1	192	1	181	2	2,535	2	<b>3.0</b>	3.1	-.07	3.0	.00	3.1	-.05
		2	Sometimes	28	22	3,049	20	2,422	22	35,368	20							
		3	Often	74	53	8,099	50	5,586	49	88,965	48							
		4	Very often	41	25	4,762	29	3,190	28	53,851	30							
		Total		144	100	16,102	100	11,379	100	180,719	100							
<b>3. During the current school year, about how often have you done the following?</b>																		
a. Talked about career plans with a faculty member	SFcareer	1	Never	26	16	2,753	18	1,825	18	34,141	20	<b>2.3</b>	2.3	-.02	2.4	-.04	2.3	.02
		2	Sometimes	66	47	6,957	44	4,908	43	76,677	42							
		3	Often	33	24	4,085	25	2,985	25	44,321	24							
		4	Very often	18	12	2,273	14	1,659	14	25,359	14							
		Total		143	100	16,068	100	11,377	100	180,498	100							
b. Worked with a faculty member on activities other than coursework (committees, student groups, etc.)	SFotherwork	1	Never	64	44	7,500	47	4,820	44	81,451	47	<b>1.8</b>	1.8	-.02	1.9	-.08	1.8	-.02
		2	Sometimes	54	38	4,958	31	3,756	32	56,804	31							
		3	Often	13	10	2,355	15	1,831	16	27,291	15							
		4	Very often	10	7	1,176	7	912	8	14,026	8							
		Total		141	100	15,989	100	11,319	100	179,572	100							
c. Discussed course topics, ideas, or concepts with a faculty member outside of class	SFdiscuss	1	Never	44	31	5,167	33	3,234	30	55,554	33	<b>2.0</b>	2.0	-.04	2.1	-.10	2.0	-.05
		2	Sometimes	62	46	6,519	41	4,679	41	71,831	40							
		3	Often	26	18	2,861	18	2,267	20	34,576	19							
		4	Very often	8	5	1,285	8	1,009	9	15,614	9							
		Total		140	100	15,832	100	11,189	100	177,575	100							
d. Discussed your academic performance with a faculty member	SFperform	1	Never	30	19	4,111	27	2,381	22	41,818	25	<b>2.2</b>	2.1	.09	2.2	-.03	2.2	.02
		2	Sometimes	70	51	7,039	44	4,982	45	78,598	44							
		3	Often	29	24	3,263	20	2,664	23	39,688	22							
		4	Very often	11	7	1,405	9	1,144	10	17,413	10							
		Total		140	100	15,818	100	11,171	100	177,517	100							
<b>4. During the current school year, how much has your coursework emphasized the following?</b>																		
a. Memorizing course material	memorize	1	Very little	3	2	535	4	431	4	7,182	4	<b>2.9</b>	2.9	-.03	2.9	.00	2.9	-.02
		2	Some	31	26	4,200	27	3,072	28	46,427	27							
		3	Quite a bit	77	56	7,037	45	4,878	43	78,051	44							
		4	Very much	27	16	3,910	24	2,694	24	44,464	25							
		Total		138	100	15,682	100	11,075	100	176,124	100							

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

# NSSE 2023 Frequencies and Statistical Comparisons

## Northern Michigan University

### First-Year Students

#### Frequency Distributions<sup>a</sup>

#### Statistical Comparisons<sup>b</sup>

*Your first-year students compared with*

Item wording or description	Variable name <sup>c</sup>	Values <sup>d</sup>	Response options	NMU		Great Lakes Public		Carnegie Class		NSSE 2022 & 2023		NMU Mean	Great Lakes Public		Carnegie Class		NSSE 2022 & 2023		
				Count	%	Count	%	Count	%	Count	%		Mean	Effect size <sup>e</sup>	Mean	Effect size <sup>e</sup>	Mean	Effect size <sup>e</sup>	
b. Applying facts, theories, or methods to practical problems or new situations	HOapply	1	Very little	6	4	499	3	435	4	6,303	4	<b>2.7</b>	2.9 **	-0.26	2.9	-0.15	2.9 *	-0.22	
		2	Some	42	34	3,854	25	3,047	29	44,257	26								
		3	Quite a bit	68	47	7,462	48	4,977	45	80,796	46								
		4	Very much	22	15	3,760	24	2,528	22	43,569	25								
		Total		138	100	15,575	100	10,987	100	174,925	100								
c. Analyzing an idea, experience, or line of reasoning in depth by examining its parts	HOanalyze	1	Very little	5	4	573	4	452	4	6,262	4	<b>2.8</b>	2.9	-0.11	2.9	-0.06	2.9	-0.12	
		2	Some	39	28	4,128	27	3,033	29	45,183	26								
		3	Quite a bit	68	51	6,985	45	4,792	44	77,560	45								
		4	Very much	23	17	3,707	24	2,560	23	43,855	25								
		Total		135	100	15,393	100	10,837	100	172,860	100								
d. Evaluating a point of view, decision, or information source	HOevaluate	1	Very little	3	3	615	4	383	4	6,299	4	<b>2.9</b>	2.9	0.00	2.9	-0.03	2.9	-0.05	
		2	Some	40	29	4,077	27	2,859	27	44,104	26								
		3	Quite a bit	64	47	7,055	46	4,943	46	78,196	45								
		4	Very much	27	21	3,550	23	2,551	23	43,234	25								
		Total		134	100	15,297	100	10,736	100	171,833	100								
e. Forming a new idea or understanding from various pieces of information	HOform	1	Very little	4	5	530	4	388	4	5,683	4	<b>2.8</b>	2.9	-0.09	2.9	-0.07	2.9	-0.12	
		2	Some	38	25	3,853	26	2,822	27	42,973	26								
		3	Quite a bit	68	54	7,253	47	5,037	47	79,506	46								
		4	Very much	24	16	3,581	23	2,429	22	42,697	25								
		Total		134	100	15,217	100	10,676	100	170,859	100								
<b>5. During the current school year, to what extent have your instructors done the following?</b>																			
a. Clearly explained course goals and requirements	ETgoals	1	Very little	1	2	289	2	236	2	3,853	3	<b>2.9</b>	3.1 *	-0.20	3.0	-0.16	3.1 *	-0.19	
		2	Some	32	25	2,999	20	2,263	22	35,128	21								
		3	Quite a bit	76	55	7,337	49	4,963	47	78,589	46								
		4	Very much	23	19	4,451	29	3,149	29	52,222	31								
		Total		132	100	15,076	100	10,611	100	169,792	100								
b. Taught course sessions in an organized way	ETorganize	1	Very little	7	8	588	4	456	5	7,450	5	<b>2.8</b>	3.0 *	-0.20	2.9	-0.16	3.0 *	-0.19	
		2	Some	34	25	3,385	22	2,441	23	37,401	22								
		3	Quite a bit	60	46	6,942	46	4,759	45	75,857	44								
		4	Very much	30	21	4,126	27	2,921	27	48,465	29								
		Total		131	100	15,041	100	10,577	100	169,173	100								

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

# NSSE 2023 Frequencies and Statistical Comparisons

## Northern Michigan University

### First-Year Students

#### Frequency Distributions<sup>a</sup>

#### Statistical Comparisons<sup>b</sup>

*Your first-year students compared with*

Item wording or description	Variable name <sup>c</sup>	Values <sup>d</sup>	Response options	Frequency Distributions <sup>a</sup>								Statistical Comparisons <sup>b</sup>						
				NMU		Great Lakes Public		Carnegie Class		NSSE 2022 & 2023		NMU	Great Lakes Public	Carnegie Class	NSSE 2022 & 2023			
				Count	%	Count	%	Count	%	Count	%	Mean	Mean	Effect size <sup>e</sup>	Mean	Effect size <sup>e</sup>	Mean	Effect size <sup>e</sup>
c. Used examples or illustrations to explain difficult points	ETexample	1	Very little	3	3	490	3	359	4	6,091	4	<b>2.9</b>	3.0	-11	3.0	-08	3.0	-08
		2	Some	29	24	3,250	22	2,427	23	38,215	23							
		3	Quite a bit	68	50	6,725	45	4,606	44	72,661	43							
		4	Very much	32	23	4,546	30	3,156	30	51,842	31							
		Total		132	100	15,011	100	10,548	100	168,809	100							
d. Provided feedback on a draft or work in progress	ETdraftfb	1	Very little	8	6	1,116	8	740	7	12,124	8	<b>2.8</b>	2.8	.00	2.8	-05	2.8	-04
		2	Some	40	31	4,305	29	2,940	28	47,266	28							
		3	Quite a bit	48	41	5,696	38	4,048	38	63,733	37							
		4	Very much	35	22	3,852	25	2,786	26	45,271	27							
		Total		131	100	14,969	100	10,514	100	168,394	100							
e. Provided prompt and detailed feedback on tests or completed assignments	ETfeedback	1	Very little	13	10	1,298	9	798	8	14,014	9	<b>2.6</b>	2.7	-15	2.7 *	-20	2.7 *	-20
		2	Some	48	38	4,886	33	3,356	33	52,486	31							
		3	Quite a bit	48	37	5,603	38	4,063	39	63,238	37							
		4	Very much	21	14	3,092	20	2,236	21	37,760	23							
		Total		130	100	14,879	100	10,453	100	167,498	100							
f. Explained in advance the criteria for successfully completing your assignments	etcriteria	1	Very little	0	0	506	4	382	4	6,040	4	<b>2.9</b>	3.0	-07	3.0	-05	3.0	-08
		2	Some	34	29	3,393	23	2,498	24	38,979	23							
		3	Quite a bit	67	49	6,642	45	4,564	43	72,411	43							
		4	Very much	27	21	4,252	28	2,938	29	49,093	30							
		Total		128	100	14,793	100	10,382	100	166,523	100							
g. Reviewed and summarized key ideas or concepts	etreview	1	Very little	6	5	424	3	325	3	5,085	3	<b>2.8</b>	3.0 *	-22	2.9 *	-19	3.0 *	-22
		2	Some	32	27	3,479	24	2,513	25	38,655	23							
		3	Quite a bit	64	51	6,798	46	4,792	46	76,025	45							
		4	Very much	25	17	4,042	27	2,727	26	46,235	28							
		Total		127	100	14,743	100	10,357	100	166,000	100							
h. Taught in a way that aligns with how you prefer to learn	etprefer	1	Very little	14	11	1,201	8	867	9	13,265	8	<b>2.5</b>	2.6	-10	2.6	-11	2.7	-14
		2	Some	51	39	5,476	37	3,718	36	58,741	35							
		3	Quite a bit	46	36	5,644	39	4,004	39	63,549	38							
		4	Very much	16	14	2,394	16	1,735	17	30,048	18							
		Total		127	100	14,715	100	10,324	100	165,603	100							

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

# NSSE 2023 Frequencies and Statistical Comparisons

## Northern Michigan University

### First-Year Students

#### Frequency Distributions<sup>a</sup>

#### Statistical Comparisons<sup>b</sup>

*Your first-year students compared with*

Item wording or description	Variable name <sup>c</sup>	Values <sup>d</sup>	Response options	NMU		Great Lakes Public		Carnegie Class		NSSE 2022 & 2023		NMU  Mean	Great Lakes Public		Carnegie Class		NSSE 2022 & 2023		
				Count	%	Count	%	Count	%	Count	%		Mean	Effect size <sup>e</sup>	Mean	Effect size <sup>e</sup>	Mean	Effect size <sup>e</sup>	
i. Enabled you to demonstrate your learning through quizzes, assignments, and other activities	etdemonstrate	1	Very little	1	1	366	3	292	3	4,654	3	<b>3.1</b>	3.1	.04	3.1	.08	3.1	.07	
		2	Some	20	17	2,607	18	2,001	20	31,393	19								
		3	Quite a bit	65	51	6,702	46	4,620	45	73,689	44								
		4	Very much	39	31	5,003	34	3,391	33	55,513	34								
		Total		125	100	14,678	100	10,304	100	165,249	100								
<b>6. During the current school year, about how often have you done the following?</b>																			
a. Reached conclusions based on your own analysis of numerical information (numbers, graphs, statistics, etc.)	QRconclude	1	Never	10	6	1,335	9	1,065	10	15,886	9	<b>2.5</b>	2.6	-.13	2.6	-.06	2.6	-.11	
		2	Sometimes	63	48	5,401	36	3,922	38	59,951	36								
		3	Often	36	34	5,434	38	3,635	36	59,954	37								
		4	Very often	14	12	2,271	16	1,510	16	26,743	17								
		Total		123	100	14,441	100	10,132	100	162,534	100								
b. Used numerical information to examine a real-world problem or issue (unemployment, climate change, public health, etc.)	QRproblem	1	Never	26	19	2,427	17	1,769	17	27,346	17	<b>2.3</b>	2.4	-.09	2.4	-.04	2.4	-.09	
		2	Sometimes	49	43	5,698	39	4,193	42	63,889	39								
		3	Often	34	26	4,450	32	2,946	29	49,092	30								
		4	Very often	13	13	1,793	13	1,161	12	21,369	14								
		Total		122	100	14,368	100	10,069	100	161,696	100								
c. Evaluated what others have concluded from numerical information	QRevaluate	1	Never	24	16	2,307	15	1,751	17	26,291	16	<b>2.2</b>	2.4 **	-0.23	2.3	-.15	2.4 **	-0.22	
		2	Sometimes	63	54	5,924	41	4,323	43	65,678	40								
		3	Often	32	25	4,520	33	2,926	29	50,094	31								
		4	Very often	4	5	1,555	11	1,028	10	18,831	12								
		Total		123	100	14,306	100	10,028	100	160,894	100								
<b>7. During the current school year, about how many papers, reports, or other writing tasks of the following lengths have you been assigned? (Include those not yet completed.)</b>																			
a. Up to 5 pages  <i>(Recorded version of wrshort created by NSSE. Values are estimated number of papers, reports, etc.)</i>	wrshortnum	0	None	6	5	938	7	577	6	10,525	7	<b>6.7</b>	6.5	.05	6.7	.00	6.5	.04	
		1.5	1-2	36	29	3,036	21	1,903	19	31,326	20								
		4	3-5	32	24	4,538	32	3,159	32	51,302	32								
		8	6-10	23	19	3,111	21	2,321	23	36,483	22								
		13	11-15	14	13	1,363	10	1,023	10	16,242	10								
		18	16-20	3	3	627	4	460	5	6,862	4								
		23	More than 20	9	6	653	5	558	5	7,877	5								
Total		123	100	14,266	100	10,001	100	160,617	100										

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



# NSSE 2023 Frequencies and Statistical Comparisons

## Northern Michigan University

### First-Year Students

#### Frequency Distributions<sup>a</sup>

#### Statistical Comparisons<sup>b</sup>

*Your first-year students compared with*

Item wording or description	Variable name <sup>c</sup>	Values <sup>d</sup>	Response options	Frequency Distributions <sup>a</sup>								Statistical Comparisons <sup>b</sup>							
				NMU		Great Lakes Public		Carnegie Class		NSSE 2022 & 2023		NMU	Great Lakes Public		Carnegie Class		NSSE 2022 & 2023		
				Count	%	Count	%	Count	%	Count	%	Mean	Mean	Effect size <sup>e</sup>	Mean	Effect size <sup>e</sup>	Mean	Effect size <sup>e</sup>	
b. Between 6 and 10 pages	wrmednum	0	None	46	37	5,672	40	3,703	38	59,401	38	<b>2.2</b>	2.2	.00	2.4	-0.06	2.5	-0.07	
	(Recorded version of wrmed created by NSSE. Values are estimated number of papers, reports, etc.)	1.5	1-2	46	42	5,008	35	3,480	35	54,805	33								
		4	3-5	16	11	2,180	15	1,660	16	27,580	17								
		8	6-10	9	8	889	6	721	7	11,841	8								
		13	11-15	1	1	298	2	222	2	3,875	2								
		18	16-20	0	0	73	1	58	1	1,022	1								
		23	More than 20	3	2	103	1	93	1	1,420	1								
	Total			121	100	14,223	100	9,937	100	159,944	100								
c. 11 pages or more	wrlongnum	0	None	96	78	11,120	78	7,695	77	120,867	75	<b>1.0</b>	1.0	.01	1.1	-0.03	1.2	-0.04	
	(Recorded version of wrlong created by NSSE. Values are estimated number of papers, reports, etc.)	1.5	1-2	18	14	1,960	13	1,326	13	23,169	14								
		4	3-5	1	2	511	4	378	4	6,785	4								
		8	6-10	3	4	289	2	235	3	4,160	3								
		13	11-15	2	1	215	2	192	2	3,068	2								
		18	16-20	0	0	64	0	48	1	737	1								
		23	More than 20	2	1	89	1	82	1	1,287	1								
	Total			122	100	14,248	100	9,956	100	160,073	100								
Estimated number of assigned pages of student writing.	wrpages											<b>53.3</b>	51.4	.02	56.2	-0.04	56.2	-0.04	
<i>(Continuous variable, recoded and summed by NSSE from wrshort, wrmed, and wrlong. Values are estimated pages of assigned writing.)</i>																			
<b>8. During the current school year, about how often have you had discussions with people from the following groups?</b>																			
a. People of races or ethnicities other than your own	DDrace	1	Never	5	6	615	4	489	6	7,989	6	<b>2.6</b>	3.0 ***	-0.41	2.9 ***	-0.34	3.0 ***	-0.41	
		2	Sometimes	56	45	3,981	27	2,810	29	40,190	25								
		3	Often	40	33	4,911	35	3,296	33	53,336	33								
		4	Very often	22	17	4,714	34	3,357	33	58,523	36								
		Total			123	100	14,221	100	9,952	100	160,038								100
b. People from economic backgrounds other than your own	DDeconomic	1	Never	4	2	564	4	456	5	7,679	6	<b>2.9</b>	3.0	-0.07	3.0	-0.02	3.0	-0.05	
		2	Sometimes	36	32	3,565	25	2,486	26	38,711	25								
		3	Often	43	36	5,556	39	3,805	38	59,523	37								
		4	Very often	40	30	4,506	32	3,180	31	53,740	33								
		Total			123	100	14,191	100	9,927	100	159,653								100

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

# NSSE 2023 Frequencies and Statistical Comparisons

## Northern Michigan University

### First-Year Students

#### Frequency Distributions<sup>a</sup>

#### Statistical Comparisons<sup>b</sup>

*Your first-year students compared with*

Item wording or description	Variable name <sup>c</sup>	Values <sup>d</sup>	Response options	Frequency Distributions <sup>a</sup>								Statistical Comparisons <sup>b</sup>						
				NMU		Great Lakes Public		Carnegie Class		NSSE 2022 & 2023		NMU	Great Lakes Public		Carnegie Class	NSSE 2022 & 2023		
				Count	%	Count	%	Count	%	Count	%	Mean	Mean	Effect size <sup>e</sup>	Mean	Effect size <sup>e</sup>	Mean	Effect size <sup>e</sup>
c. People with religious beliefs other than your own	DDreligion	1	Never	3	2	855	6	744	8	11,532	8	<b>2.9</b>	2.9	-.08	2.8	.02	2.9	-.03
		2	Sometimes	38	36	3,904	28	2,954	30	44,104	28							
		3	Often	52	38	5,070	35	3,333	33	53,337	33							
		4	Very often	30	24	4,360	32	2,897	29	50,641	31							
		Total		123	100	14,189	100	9,928	100	159,614	100							
d. People with political views other than your own	DDpolitical	1	Never	5	4	890	6	790	9	13,627	9	<b>2.8</b>	2.9	-.02	2.8	.06	2.8	.06
		2	Sometimes	41	32	4,412	31	3,171	32	51,187	32							
		3	Often	48	40	4,772	34	3,222	32	50,724	31							
		4	Very often	29	24	4,088	29	2,738	27	43,961	28							
		Total		123	100	14,162	100	9,921	100	159,499	100							
e. People with sexual orientations other than your own	ddsexorient	1	Never	2	2	999	7	1,024	11	14,243	10	<b>3.0</b>	2.9	.15	2.8 **	.24	2.8 **	.21
		2	Sometimes	30	26	3,959	29	2,877	30	45,314	29							
		3	Often	45	38	4,681	32	3,014	30	49,725	30							
		4	Very often	45	34	4,528	32	3,001	30	50,162	31							
		Total		122	100	14,167	100	9,916	100	159,444	100							
f. People from countries other than your own	ddcountry	1	Never	15	12	1,827	11	1,176	13	17,529	12	<b>2.3</b>	2.6 ***	-.29	2.5 **	-.26	2.6 ***	-.33
		2	Sometimes	77	59	5,979	41	4,089	41	61,197	38							
		3	Often	21	18	3,563	27	2,484	24	42,517	26							
		4	Very often	9	12	2,812	21	2,185	22	38,374	24							
		Total		122	100	14,181	100	9,934	100	159,617	100							
<b>9. During the current school year, about how often have you done the following?</b>																		
a. Identified key information from reading assignments	LSreading	1	Never	1	1	332	2	217	3	3,605	3	<b>2.8</b>	2.9	-.13	2.9	-.11	3.0	-.16
		2	Sometimes	36	31	3,495	25	2,569	27	38,068	24							
		3	Often	60	51	6,832	48	4,629	47	74,537	47							
		4	Very often	23	17	3,433	24	2,437	24	42,264	26							
		Total		120	100	14,092	100	9,852	100	158,474	100							
b. Reviewed your notes after class	LSnotes	1	Never	6	7	607	5	460	5	7,057	5	<b>2.8</b>	2.9	-.12	2.9	-.11	2.9	-.14
		2	Sometimes	38	34	4,005	30	2,922	31	45,737	29							
		3	Often	42	34	5,293	37	3,597	36	58,327	37							
		4	Very often	33	25	4,189	28	2,875	28	47,274	29							
		Total		119	100	14,094	100	9,854	100	158,395	100							

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

# NSSE 2023 Frequencies and Statistical Comparisons

## Northern Michigan University

### First-Year Students

#### Frequency Distributions<sup>a</sup>

#### Statistical Comparisons<sup>b</sup>

*Your first-year students compared with*

Item wording or description	Variable name <sup>c</sup>	Values <sup>d</sup>	Response options	NMU		Great Lakes Public		Carnegie Class		NSSE 2022 & 2023		NMU Mean	Great Lakes Public		Carnegie Class		NSSE 2022 & 2023	
				Count	%	Count	%	Count	%	Count	%		Mean	Effect size <sup>e</sup>	Mean	Effect size <sup>e</sup>	Mean	Effect size <sup>e</sup>
c. Summarized what you learned in class or from course materials	LSummary	1	Never	2	3	646	5	497	5	7,338	5	<b>2.8</b>	2.8	-.08	2.8	-.06	2.9	-.10
		2	Sometimes	44	40	4,174	31	2,999	31	46,821	30							
		3	Often	46	36	5,747	40	3,921	40	63,609	40							
		4	Very often	27	22	3,508	24	2,418	24	40,538	25							
		Total		119	100	14,075	100	9,835	100	158,306	100							
<b>10. During the current school year, to what extent have your courses challenged you to do your best work?</b>																		
challenge		1	Not at all	2	4	95	1	79	1	1,254	1	<b>5.0</b>	5.3 *	-.23	5.3 *	-.21	5.4 **	-.25
		2		0	0	158	1	105	1	1,909	1							
		3		9	7	621	5	482	5	7,612	5							
		4		14	13	1,846	14	1,290	14	20,146	13							
		5		56	44	5,085	36	3,472	36	54,190	34							
		6		23	18	3,500	25	2,339	23	39,163	24							
		7	Very much	16	14	2,702	18	1,997	20	33,070	21							
		Total		120	100	14,007	100	9,764	100	157,344	100							
<b>11. Which of the following have you done while in college or do you plan to do before you graduate?<sup>f</sup></b>																		
a. Participate in an internship, co-op, field experience, student teaching, or clinical placement	intern (Means indicate the percentage who responded "Done or in progress.")	Have not decided	30	23	2,108	15	1,407	16	23,422	16	<b>9%</b>	8%	.06	9%	.03	8%	.06	
		Do not plan to do	7	7	913	7	639	7	10,316	7								
		Plan to do	73	61	9,854	71	6,826	69	111,027	69								
		Done or in progress	9	9	1,074	8	861	9	12,148	8								
		Total	119	100	13,949	100	9,733	100	156,913	100								
b. Hold a formal leadership role in a student organization or group	leader (Means indicate the percentage who responded "Done or in progress.")	Have not decided	45	37	4,140	29	2,838	29	44,967	29	<b>14%</b>	10%	.11	11%	.10	10%	.11	
		Do not plan to do	38	33	3,622	26	2,616	28	38,637	26								
		Plan to do	20	15	4,774	36	3,192	32	56,201	35								
		Done or in progress	15	14	1,362	10	1,066	11	16,696	10								
		Total	118	100	13,898	100	9,712	100	156,501	100								
c. Participate in a learning community or some other formal program where groups of students take two or more classes together	learncom (Means indicate the percentage who responded "Done or in progress.")	Have not decided	52	44	4,460	31	3,469	36	53,783	34	<b>9%</b>	17% *	-.23	11%	-.05	11%	-.07	
		Do not plan to do	37	32	3,921	30	2,539	27	41,372	27								
		Plan to do	19	15	3,065	22	2,573	26	43,040	27								
		Done or in progress	10	9	2,426	17	1,084	11	17,747	11								
		Total	118	100	13,872	100	9,665	100	155,942	100								

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

# NSSE 2023 Frequencies and Statistical Comparisons

## Northern Michigan University

### First-Year Students

#### Frequency Distributions<sup>a</sup>

#### Statistical Comparisons<sup>b</sup>

*Your first-year students compared with*

Item wording or description	Variable name <sup>c</sup>	Values <sup>d</sup>	Response options	Frequency Distributions <sup>a</sup>								Statistical Comparisons <sup>b</sup>						
				NMU		Great Lakes Public		Carnegie Class		NSSE 2022 & 2023		NMU	Great Lakes Public		Carnegie Class		NSSE 2022 & 2023	
				Count	%	Count	%	Count	%	Count	%	Mean	Mean	Effect size <sup>e</sup>	Mean	Effect size <sup>e</sup>	Mean	Effect size <sup>e</sup>
d. Participate in a study abroad program	abroad <i>(Means indicate the percentage who responded "Done or in progress.")</i>		Have not decided	45	38	4,246	30	3,004	31	46,240	30	<b>5%</b>	3%	.11	3%	.11	3%	.11
			Do not plan to do	44	36	5,314	38	3,418	37	50,244	34							
			Plan to do	26	21	3,991	30	2,997	30	55,274	33							
			Done or in progress	3	5	332	3	252	3	4,267	3							
			Total	118	100	13,883	100	9,671	100	156,025	100							
e. Work with a faculty member on a research project	research <i>(Means indicate the percentage who responded "Done or in progress.")</i>		Have not decided	54	44	5,496	39	3,837	39	59,061	38	<b>6%</b>	5%	.01	6%	.00	5%	.01
			Do not plan to do	30	26	3,785	26	2,383	25	36,824	24							
			Plan to do	27	24	3,875	29	2,921	30	51,705	32							
			Done or in progress	6	6	702	5	526	6	8,331	5							
			Total	117	100	13,858	100	9,667	100	155,921	100							
f. Complete a culminating senior experience (capstone course, senior project or thesis, portfolio, recital, comprehensive exam, etc.)	capstone <i>(Means indicate the percentage who responded "Done or in progress.")</i>		Have not decided	53	42	4,940	36	3,238	35	52,351	35	<b>2%</b>	2%	-.01	2%	-.02	2%	-.02
			Do not plan to do	14	13	1,766	13	1,123	13	17,697	12							
			Plan to do	50	43	6,882	50	5,095	51	82,410	51							
			Done or in progress	1	2	273	2	191	2	3,383	2							
			Total	118	100	13,861	100	9,647	100	155,841	100							
<b>12. About how many of your courses at this institution have included a community-based project (service-learning)?</b>																		
	servcourse		1 None	71	58	6,854	51	4,027	43	73,473	48	<b>1.5</b>	1.6	-.08	1.7 *	-0.21	1.6	-.13
			2 Some	38	31	5,655	40	4,506	45	65,417	41							
			3 Most	7	9	1,009	7	847	9	12,580	8							
			4 All	1	2	258	2	218	2	3,195	2							
			Total	117	100	13,776	100	9,598	100	154,665	100							
<b>13. Indicate the quality of your interactions with the following people at your institution.</b>																		
a. Students	Q1student		1 Poor	0	0	181	1	151	2	2,582	2	<b>5.3</b>	5.4	-.03	5.3	.00	5.4	-.02
			2	1	2	263	2	211	2	3,166	2							
			3	5	3	633	5	456	5	7,308	5							
			4	21	21	1,648	12	1,206	13	18,701	12							
			5	31	23	4,095	29	2,723	28	42,626	27							
			6	39	32	3,951	29	2,602	27	42,607	27							
			7 Excellent	18	18	2,882	21	2,138	22	34,921	23							
			— Not applicable	1	1	139	1	120	1	3,118	3							
Total	116	100	13,792	100	9,607	100	155,029	100										

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

# NSSE 2023 Frequencies and Statistical Comparisons

## Northern Michigan University

### First-Year Students

#### Frequency Distributions<sup>a</sup>

#### Statistical Comparisons<sup>b</sup>

*Your first-year students compared with*

Item wording or description	Variable name <sup>c</sup>	Values <sup>d</sup>	Response options	Frequency Distributions <sup>a</sup>								Statistical Comparisons <sup>b</sup>						
				NMU		Great Lakes Public		Carnegie Class		NSSE 2022 & 2023		NMU	Great Lakes Public		Carnegie Class		NSSE 2022 & 2023	
				Count	%	Count	%	Count	%	Count	%	Mean	Mean	Effect size <sup>e</sup>	Mean	Effect size <sup>e</sup>	Mean	Effect size <sup>e</sup>
b. Academic advisors	Qladvisor	1	Poor	2	1	283	2	240	3	3,933	3	<b>5.9</b>	5.4 **	.28	5.4 **	.28	5.4 ***	.30
		2		1	1	454	3	312	4	5,255	3							
		3		5	3	883	6	567	6	9,872	6							
		4		12	11	1,589	12	1,084	11	18,866	12							
		5		19	15	2,759	20	1,891	20	31,101	20							
		6		30	26	3,244	24	2,107	22	34,534	22							
		7	Excellent	48	43	4,406	31	3,243	33	48,469	31							
		—	Not applicable	0	0	168	1	145	2	2,839	2							
	Total	117	100	13,786	100	9,589	100	154,869	100									
c. Faculty	Qifaculty	1	Poor	0	0	144	1	136	2	2,044	1	<b>5.5</b>	5.4	.08	5.4	.05	5.4	.05
		2		0	0	246	2	172	2	3,087	2							
		3		3	5	621	5	442	5	7,330	5							
		4		22	17	1,837	13	1,169	12	19,517	13							
		5		32	25	3,979	29	2,494	26	40,817	26							
		6		36	32	3,935	29	2,758	28	44,260	28							
		7	Excellent	24	21	2,853	20	2,290	24	35,585	24							
		—	Not applicable	0	0	156	1	117	1	2,170	2							
	Total	117	100	13,771	100	9,578	100	154,810	100									
d. Student services staff (career services, student activities, housing, etc.)	Qlstaff	1	Poor	2	3	357	3	262	3	4,563	3	<b>5.2</b>	5.2	.01	5.2	.00	5.2	.01
		2		2	3	453	3	295	3	5,126	3							
		3		4	4	858	6	564	6	9,802	6							
		4		17	16	1,784	13	1,281	13	20,710	13							
		5		30	27	3,004	22	2,108	22	33,505	21							
		6		31	24	3,083	22	2,160	22	33,388	21							
		7	Excellent	22	19	2,658	19	2,030	21	32,005	21							
		—	Not applicable	6	4	1,570	11	879	10	15,600	12							
	Total	114	100	13,767	100	9,579	100	154,699	100									

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

# NSSE 2023 Frequencies and Statistical Comparisons

## Northern Michigan University

### First-Year Students

#### Frequency Distributions<sup>a</sup>

#### Statistical Comparisons<sup>b</sup>

*Your first-year students compared with*

Item wording or description	Variable name <sup>c</sup>	Values <sup>d</sup>	Response options	Frequency Distributions <sup>a</sup>								Statistical Comparisons <sup>b</sup>						
				NMU		Great Lakes Public		Carnegie Class		NSSE 2022 & 2023		NMU	Great Lakes Public	Carnegie Class	NSSE 2022 & 2023			
				Count	%	Count	%	Count	%	Count	%	Mean	Mean	Effect size <sup>e</sup>	Mean	Effect size <sup>e</sup>	Mean	Effect size <sup>e</sup>
e. Other administrative staff and offices (registrar, financial aid, etc.)	QIadmin	1	Poor	1	2	313	2	255	3	4,464	<b>5.1</b>	5.1	-0.06	5.2	-0.10	5.1	-0.06	
		2		4	3	457	3	305	3	5,500								3
		3		13	10	864	6	612	7	10,359								7
		4		16	16	1,947	14	1,297	14	21,917								14
		5		29	23	3,072	22	2,114	22	34,195								22
		6		26	22	3,041	22	2,238	23	33,087								21
		7	Excellent	19	18	2,673	19	2,192	22	32,726								22
		—	Not applicable	9	6	1,416	11	569	7	12,592								9
	Total			117	100	13,783	100	9,582	100	154,840	100							
<b>14. How much does your institution emphasize the following?</b>																		
a. Spending significant amounts of time studying and on academic work	empstudy	1	Very little	6	6	215	2	219	3	2,714	<b>2.8</b>	3.0 **	-0.31	3.0 **	-0.27	3.0 ***	-0.32	
		2	Some	32	26	2,839	21	1,972	22	31,346								21
		3	Quite a bit	60	50	6,805	49	4,523	47	73,333								48
		4	Very much	19	18	3,870	28	2,823	28	46,789								30
			Total			117	100	13,729	100	9,537								100
b. Providing support to help students succeed academically	SEacademic	1	Very little	2	1	526	4	431	5	6,639	<b>2.8</b>	2.9	-0.14	2.9	-0.11	2.9	-0.13	
		2	Some	32	28	3,237	24	2,261	25	36,497								24
		3	Quite a bit	61	56	6,134	45	4,094	43	66,930								43
		4	Very much	20	14	3,792	27	2,734	27	43,739								28
			Total			115	100	13,689	100	9,520								100
c. Using learning support services (tutoring services, writing center, etc.)	SElearnsup	1	Very little	5	4	841	6	611	7	9,930	<b>3.0</b>	3.0	0.02	3.0	0.01	3.0	0.03	
		2	Some	25	21	2,661	20	1,837	20	30,654								20
		3	Quite a bit	50	46	5,492	41	3,685	39	60,031								39
		4	Very much	34	30	4,686	33	3,381	34	53,030								34
			Total			114	100	13,680	100	9,514								100
d. Encouraging contact among students from different backgrounds (social, racial/ethnic, religious, etc.)	SEdiverse	1	Very little	11	10	1,426	10	1,020	11	15,976	<b>2.6</b>	2.7 *	-0.20	2.7	-0.14	2.7	-0.18	
		2	Some	45	40	3,951	29	2,880	30	45,215								30
		3	Quite a bit	39	33	5,118	38	3,528	37	55,807								36
		4	Very much	20	16	3,167	23	2,081	22	36,511								24
			Total			115	100	13,662	100	9,509								100

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

# NSSE 2023 Frequencies and Statistical Comparisons

## Northern Michigan University

### First-Year Students

#### Frequency Distributions<sup>a</sup>

#### Statistical Comparisons<sup>b</sup>

*Your first-year students compared with*

Item wording or description	Variable name <sup>c</sup>	Values <sup>d</sup>	Response options	Frequency Distributions <sup>a</sup>								Statistical Comparisons <sup>b</sup>									
				NMU		Great Lakes Public		Carnegie Class		NSSE 2022 & 2023		NMU	Great Lakes Public	Carnegie Class	NSSE 2022 & 2023						
				Count	%	Count	%	Count	%	Count	%	Mean	Mean	Effect size <sup>e</sup>	Mean	Effect size <sup>e</sup>	Mean	Effect size <sup>e</sup>			
e. Providing opportunities to be involved socially	SEsocial	1	Very little	3	5	727	5	519	6	9,284	7	<b>2.9</b>	2.9	-0.04	2.9	-0.02	2.9	.01			
		2	Some	26	25	3,218	24	2,285	25	37,252	25										
		3	Quite a bit	58	46	5,783	43	3,967	41	62,986	41										
		4	Very much	28	24	3,909	28	2,727	28	43,784	28										
		Total		115	100	13,637	100	9,498	100	153,306	100										
f. Providing support for your overall well-being (recreation, health care, counseling, etc.)	SEwellness	1	Very little	10	10	975	7	677	8	11,720	8	<b>2.6</b>	2.9 *	▽	-0.25	2.8 *	▽	-0.21	2.8 *	▽	-0.20
		2	Some	35	31	3,508	26	2,603	28	41,318	27										
		3	Quite a bit	52	45	5,584	41	3,741	39	60,309	39										
		4	Very much	17	14	3,576	26	2,463	26	39,842	26										
		Total		114	100	13,643	100	9,484	100	153,189	100										
g. Helping you manage your non-academic responsibilities (work, family, etc.)	SEnonacad	1	Very little	32	25	3,219	24	2,230	24	35,617	24	<b>2.1</b>	2.2 *	▽	-0.18	2.3 *	▽	-0.19	2.3 *	▽	-0.22
		2	Some	53	49	5,330	40	3,611	38	57,534	37										
		3	Quite a bit	22	18	3,464	25	2,452	25	40,050	26										
		4	Very much	7	8	1,604	12	1,170	12	19,731	13										
		Total		114	100	13,617	100	9,463	100	152,932	100										
h. Attending campus activities and events (performing arts, athletic events, etc.)	SEactivities	1	Very little	4	3	1,261	9	734	8	14,869	11	<b>2.9</b>	2.8	.10	2.8	.06	2.8	.14			
		2	Some	37	32	3,680	27	2,411	26	39,874	26										
		3	Quite a bit	47	40	5,338	39	3,773	40	59,463	38										
		4	Very much	27	26	3,333	24	2,539	26	38,621	25										
		Total		115	100	13,612	100	9,457	100	152,827	100										
i. Attending events that address important social, economic, or political issues	SEevents	1	Very little	17	13	2,425	17	1,530	16	26,537	19	<b>2.4</b>	2.4	-0.01	2.5	-0.05	2.4	.00			
		2	Some	54	47	5,033	37	3,444	36	55,197	36										
		3	Quite a bit	31	26	4,232	32	3,030	32	47,627	30										
		4	Very much	13	14	1,920	14	1,454	15	23,445	15										
		Total		115	100	13,610	100	9,458	100	152,806	100										

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

# NSSE 2023 Frequencies and Statistical Comparisons

## Northern Michigan University

### First-Year Students

#### Frequency Distributions<sup>a</sup>

#### Statistical Comparisons<sup>b</sup>

*Your first-year students compared with*

Item wording or description	Variable name <sup>c</sup>	Values <sup>d</sup>	Response options	NMU		Great Lakes Public		Carnegie Class		NSSE 2022 & 2023		NMU  Mean	Great Lakes Public		Carnegie Class		NSSE 2022 & 2023	
				Count	%	Count	%	Count	%	Count	%		Mean	Effect size <sup>e</sup>	Mean	Effect size <sup>e</sup>	Mean	Effect size <sup>e</sup>
<b>15. To what extent do you agree or disagree with the following statements?</b>																		
a. I feel comfortable being myself at this institution.	sbmyself	1	Strongly disagree	3	3	262	2	214	2	3,283	2	<b>3.2</b>	3.2	-.05	3.2	-.03	3.2	-.07
		2	Disagree	9	7	1,111	9	892	10	13,252	9							
		3	Agree	70	60	7,791	57	5,276	55	85,549	55							
		4	Strongly agree	32	30	4,421	32	3,066	32	50,702	34							
		Total		114	100	13,585	100	9,448	100	152,786	100							
b. I feel valued by this institution.	sbvalued	1	Strongly disagree	7	7	532	5	341	4	5,791	4	<b>2.8</b>	2.9	-.16	3.0 *	-.21	3.0 *	-.22
		2	Disagree	21	18	2,441	19	1,579	18	26,654	18							
		3	Agree	72	61	7,857	57	5,484	57	87,039	56							
		4	Strongly agree	15	13	2,740	20	2,033	21	33,099	22							
		Total		115	100	13,570	100	9,437	100	152,583	100							
c. I feel like part of the community at this institution.	sbcommunity	1	Strongly disagree	5	5	537	4	380	5	6,123	4	<b>2.8</b>	2.9	-.19	3.0 *	-.20	3.0 *	-.22
		2	Disagree	29	26	2,522	19	1,698	18	27,203	18							
		3	Agree	62	54	7,531	55	5,162	54	83,704	54							
		4	Strongly agree	19	15	2,992	22	2,216	23	35,701	23							
		Total		115	100	13,582	100	9,456	100	152,731	100							
<b>16. About how many hours do you spend in a typical 7-day week doing the following?</b>																		
a. Preparing for class (studying, reading, writing, doing homework or lab work, analyzing data, rehearsing, and other academic activities)	tmprephrs  <i>(Recorded version of tmprep created by NSSE. Values are estimated number of hours per week.)</i>	0	0 hrs	1	2	47	0	39	1	656	1	<b>12.5</b>	15.1 ***	-.33	14.1 *	-.20	14.8 **	-.29
		3	1-5 hrs	18	16	1,490	11	1,270	14	17,134	12							
		8	6-10 hrs	33	30	2,935	21	2,144	23	32,733	22							
		13	11-15 hrs	26	22	3,165	23	2,113	23	34,743	23							
		18	16-20 hrs	20	15	2,826	21	1,843	19	31,158	20							
		23	21-25 hrs	9	7	1,601	12	1,044	11	18,350	12							
		28	26-30 hrs	3	2	776	6	479	5	8,967	6							
		33	More than 30 hrs	4	5	703	6	493	5	8,536	6							
Total		114	100	13,543	100	9,425	100	152,277	100									

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



# NSSE 2023 Frequencies and Statistical Comparisons

## Northern Michigan University

### First-Year Students

#### Frequency Distributions<sup>a</sup>

#### Statistical Comparisons<sup>b</sup>

*Your first-year students compared with*

Item wording or description	Variable name <sup>c</sup>	Values <sup>d</sup>	Response options	Frequency Distributions <sup>a</sup>								Statistical Comparisons <sup>b</sup>							
				NMU		Great Lakes Public		Carnegie Class		NSSE 2022 & 2023		NMU	Great Lakes Public	Carnegie Class	NSSE 2022 & 2023				
				Count	%	Count	%	Count	%	Count	%	Mean	Mean	Effect size <sup>e</sup>	Mean	Effect size <sup>e</sup>	Mean	Effect size <sup>e</sup>	
b. Participating in co-curricular activities (organizations, campus publications, student government, fraternity or sorority, intercollegiate or intramural sports, etc.)	tmocurrhrs	0	0 hrs	41	34	4,830	34	3,074	35	51,482	37	<b>5.3</b>	5.1	.03	5.7	-.05	5.4	-.02	
	(Recorded version of tmocurr created by NSSE. Values are estimated number of hours per week.)	3	1-5 hrs	41	34	4,707	34	3,047	31	48,136	30								
	8	6-10 hrs	15	13	1,963	16	1,392	14	22,735	15									
	13	11-15 hrs	8	7	1,000	8	834	9	13,706	9									
	18	16-20 hrs	8	10	526	4	521	5	8,165	5									
	23	21-25 hrs	0	0	274	2	275	3	4,176	3									
	28	26-30 hrs	0	0	97	1	114	1	1,564	1									
	33	More than 30 hrs	1	2	136	1	133	1	1,981	1									
	Total			114	100	13,533	100	9,390	100	151,945	100								
c. Working for pay on campus	tmworkonhrs	0	0 hrs	73	64	10,682	79	7,239	78	118,405	79	<b>4.9</b>	2.6 **	.40	2.5 **	.42	2.5 **	.42	
	(Recorded version of tmworkon created by NSSE. Values are estimated number of hours per week.)	3	1-5 hrs	3	4	418	3	525	5	6,631	4								
	8	6-10 hrs	13	12	902	7	718	7	10,591	6									
	13	11-15 hrs	9	7	794	6	435	5	7,950	5									
	18	16-20 hrs	12	10	486	4	291	3	5,259	4									
	23	21-25 hrs	2	1	170	1	120	1	1,904	1									
	28	26-30 hrs	1	1	45	0	32	0	529	0									
	33	More than 30 hrs	1	2	42	0	48	1	802	1									
	Total			114	100	13,539	100	9,408	100	152,071	100								
d. Working for pay off campus	tmworkoffhrs	0	0 hrs	87	73	8,218	63	5,869	62	97,787	63	<b>4.2</b>	6.3 *	-.21	6.2 *	-.20	6.6 **	-.22	
	(Recorded version of tmworkoff created by NSSE. Values are estimated number of hours per week.)	3	1-5 hrs	4	4	711	5	528	6	7,618	5								
	8	6-10 hrs	3	2	814	6	612	6	8,718	6									
	13	11-15 hrs	7	8	938	7	633	7	9,255	6									
	18	16-20 hrs	7	6	1,022	7	636	7	9,664	6									
	23	21-25 hrs	3	3	701	5	431	5	7,005	5									
	28	26-30 hrs	1	1	411	3	261	3	4,037	3									
	33	More than 30 hrs	2	3	735	5	445	5	8,039	7									
	Total			114	100	13,550	100	9,415	100	152,123	100								
Estimated number of hours working for pay	tmworkhrs											<b>9.1</b>	8.9	.02	8.7	.04	9.0	.01	
	(Continuous variable created by NSSE)																		

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

# NSSE 2023 Frequencies and Statistical Comparisons

## Northern Michigan University

### First-Year Students

#### Frequency Distributions<sup>a</sup>

#### Statistical Comparisons<sup>b</sup>

*Your first-year students compared with*

Item wording or description	Variable name <sup>c</sup>	Values <sup>d</sup>	Response options	Frequency Distributions <sup>a</sup>								Statistical Comparisons <sup>b</sup>						
				NMU		Great Lakes Public		Carnegie Class		NSSE 2022 & 2023		NMU	Great Lakes Public		Carnegie Class		NSSE 2022 & 2023	
				Count	%	Count	%	Count	%	Count	%	Mean	Mean	Effect size <sup>e</sup>	Mean	Effect size <sup>e</sup>	Mean	Effect size <sup>e</sup>
e. Doing community service or volunteer work	tmservicehrs	0	0 hrs	82	73	8,611	64	5,965	65	97,118	64	<b>2.1</b>	2.1	.00	2.2	-.02	2.2	-.02
	(Recorded version of tmservice created by NSSE. Values are estimated number of hours per week.)	3	1-5 hrs	25	18	3,621	26	2,410	24	38,403	24							
	8	6-10 hrs	2	3	624	4	500	5	7,953	5								
	13	11-15 hrs	2	3	321	2	265	3	4,177	3								
	18	16-20 hrs	1	1	167	1	141	2	2,175	2								
	23	21-25 hrs	0	0	118	1	77	1	1,238	1								
	28	26-30 hrs	1	1	27	0	29	0	346	0								
	33	More than 30 hrs	1	2	47	0	30	0	618	0								
	Total			114	100	13,536	100	9,417	100	152,028	100							
f. Relaxing and socializing (time with friends, video games, TV or videos, keeping up with friends online, etc.)	tmrelaxhrs	0	0 hrs	0	0	209	2	201	2	3,279	2	<b>14.8</b>	13.1 *	.20	12.3 **	.30	12.3 **	.30
	(Recorded version of tmrelax created by NSSE. Values are estimated number of hours per week.)	3	1-5 hrs	10	8	2,427	17	1,908	20	30,903	20							
	8	6-10 hrs	30	25	3,622	26	2,620	27	41,414	27								
	13	11-15 hrs	39	30	2,977	22	1,981	21	32,221	21								
	18	16-20 hrs	20	17	2,074	16	1,278	14	21,478	14								
	23	21-25 hrs	4	5	998	8	612	7	9,867	7								
	28	26-30 hrs	5	6	414	3	294	3	4,443	3								
	33	More than 30 hrs	6	8	820	6	525	6	8,402	6								
	Total			114	100	13,541	100	9,419	100	152,007	100							
g. Providing care for dependents (children, parents, etc.)	tmcarehrs	0	0 hrs	102	88	10,666	80	7,091	75	114,466	74	<b>1.7</b>	2.3	-.10	2.6	-.15	3.3 **	-.21
	(Recorded version of tmcare created by NSSE. Values are estimated number of hours per week.)	3	1-5 hrs	6	5	1,270	9	1,014	11	15,063	10							
	8	6-10 hrs	3	2	486	3	437	5	6,946	5								
	13	11-15 hrs	1	1	339	3	282	3	4,937	3								
	18	16-20 hrs	0	0	205	2	183	2	2,822	2								
	23	21-25 hrs	0	0	138	1	102	1	1,743	1								
	28	26-30 hrs	1	2	61	0	54	1	781	1								
	33	More than 30 hrs	1	2	354	2	217	2	4,922	4								
	Total			114	100	13,519	100	9,380	100	151,680	100							

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

# NSSE 2023 Frequencies and Statistical Comparisons

## Northern Michigan University

### First-Year Students

#### Frequency Distributions<sup>a</sup>

#### Statistical Comparisons<sup>b</sup>

*Your first-year students compared with*

Item wording or description	Variable name <sup>c</sup>	Values <sup>d</sup> Response options		Frequency Distributions <sup>a</sup>								Statistical Comparisons <sup>b</sup>											
				NMU		Great Lakes Public		Carnegie Class		NSSE 2022 & 2023		NMU	Great Lakes Public	Carnegie Class	NSSE 2022 & 2023								
				Count	%	Count	%	Count	%	Count	%	Mean	Mean	Effect size <sup>e</sup>	Mean	Effect size <sup>e</sup>	Mean	Effect size <sup>e</sup>					
h. Commuting to campus (driving, walking, etc.)	tmcommutehrs <i>(Recorded version of tmcommute created by NSSE. Values are estimated number of hours per week.)</i>	0	0 hrs	57	43	5,338	38	4,303	43	66,405	43	<b>4.1</b>	3.8	.05	3.9	.03	3.9	.03					
		3	1-5 hrs	35	35	5,440	40	3,154	35	53,421	35												
		8	6-10 hrs	13	10	1,636	12	994	11	17,060	12												
		13	11-15 hrs	5	6	543	4	444	5	7,238	5												
		18	16-20 hrs	1	1	255	2	211	2	3,516	2												
		23	21-25 hrs	1	2	159	1	115	1	1,908	1												
		28	26-30 hrs	1	1	66	1	59	1	771	1												
		33	More than 30 hrs	1	2	112	1	117	1	1,723	1												
		Total				114	100	13,549	100	9,397	100								152,042	100			
		<hr/>																					
<b>17. Of the time you spend preparing for class in a typical 7-day week, about how much is on assigned reading?</b>																							
	reading	1	Very little	24	20	2,195	17	1,290	14	21,202	15	<b>2.5</b>	2.5	.05	2.6	-.08	2.6	-.08					
		2	Some	42	32	5,189	39	3,328	36	54,046	36												
		3	About half	27	29	3,607	26	2,693	28	41,829	27												
		4	Most	14	9	1,879	13	1,518	16	25,021	16												
		5	Almost all	7	9	622	4	533	6	9,406	6												
		Total				114	100	13,492	100	9,362	100								151,504	100			
<hr/>																							
	tmreadinghrs	<i>(Continuous variable created by NSSE. Calculated as a proportion of tmprphrs based on reading, where Very little=.10; Some=.25; About half=.50; Most=.75; Almost all=.90)</i>																					
				<b>5.2</b>								6.0		-.15		6.1		-.16		6.4 *		-0.21 ▽	
<hr/>																							
	tmreadinghrscol <i>(Collapsed version of tmreadinghrs created by NSSE.)</i>	1	0 hrs	1	2	46	0	39	1	640	1	<b>5.2</b>	6.0	-.15	6.1	-.16	6.4 *	-0.21					
		2	More than zero, up to 5 hrs	76	65	7,550	56	5,033	55	78,486	53												
		3	More than 5, up to 10 hrs	24	19	3,623	27	2,611	27	43,166	28												
		4	More than 10, up to 15 hrs	9	9	1,208	9	847	9	14,654	9												
		5	More than 15, up to 20 hrs	2	3	554	4	433	4	7,443	5												
		6	More than 20, up to 25 hrs	0	0	328	2	248	3	4,497	3												
		7	More than 25 hrs	2	3	125	1	120	1	2,003	1												
		Total				114	100	13,434	100	9,331	100								150,889	100			

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

# NSSE 2023 Frequencies and Statistical Comparisons

## Northern Michigan University

### First-Year Students

#### Frequency Distributions<sup>a</sup>

#### Statistical Comparisons<sup>b</sup>

*Your first-year students compared with*

Item wording or description	Variable name <sup>c</sup>	Values <sup>d</sup>	Response options	Frequency Distributions <sup>a</sup>								Statistical Comparisons <sup>b</sup>						
				NMU		Great Lakes Public		Carnegie Class		NSSE 2022 & 2023		NMU	Great Lakes Public		Carnegie Class		NSSE 2022 & 2023	
				Count	%	Count	%	Count	%	Count	%	Mean	Mean	Effect size <sup>e</sup>	Mean	Effect size <sup>e</sup>	Mean	Effect size <sup>e</sup>
<b>18. How much has your experience at this institution contributed to your knowledge, skills, and personal development in the following areas?</b>																		
a. Writing clearly and effectively	pgwrite	1	Very little	3	2	998	8	577	7	9,826	7	<b>2.9</b>	2.7 *	.18	2.8	.11	2.8	.08
		2	Some	34	30	3,909	30	2,622	28	40,831	27							
		3	Quite a bit	52	45	5,758	42	4,139	44	66,049	43							
		4	Very much	24	23	2,834	20	2,015	21	34,833	23							
			Total	113	100	13,499	100	9,353	100	151,539	100							
b. Speaking clearly and effectively	pgspeak	1	Very little	15	15	1,541	12	913	10	15,440	11	<b>2.5</b>	2.6	-0.16	2.7 *	-0.24	2.7 *	-0.25
		2	Some	41	36	4,283	32	2,858	30	46,293	30							
		3	Quite a bit	45	37	5,082	37	3,728	40	58,115	38							
		4	Very much	11	12	2,581	18	1,845	19	31,458	21							
			Total	112	100	13,487	100	9,344	100	151,306	100							
c. Thinking critically and analytically	pgthink	1	Very little	3	3	370	3	285	3	4,266	3	<b>2.9</b>	3.1	-0.18	3.0	-0.14	3.1 *	-0.20
		2	Some	26	22	2,579	20	1,877	21	28,815	19							
		3	Quite a bit	57	54	6,201	46	4,292	46	68,274	44							
		4	Very much	26	20	4,339	32	2,894	30	49,955	33							
			Total	112	100	13,489	100	9,348	100	151,310	100							
d. Analyzing numerical and statistical information	pganalyze	1	Very little	17	16	1,512	11	1,202	13	17,736	11	<b>2.4</b>	2.7 ***	-0.36	2.6 **	-0.27	2.7 ***	-0.36
		2	Some	48	40	4,210	31	3,023	32	45,856	30							
		3	Quite a bit	40	37	4,996	37	3,330	36	54,787	36							
		4	Very much	7	7	2,771	21	1,787	19	32,894	22							
			Total	112	100	13,489	100	9,342	100	151,273	100							
e. Acquiring job- or work-related knowledge and skills	pgwork	1	Very little	17	13	1,783	14	1,129	13	19,432	13	<b>2.5</b>	2.6	-0.12	2.6	-0.13	2.6	-0.14
		2	Some	40	37	4,370	33	2,969	33	48,395	32							
		3	Quite a bit	39	36	4,606	34	3,379	35	52,410	34							
		4	Very much	15	13	2,726	20	1,876	19	31,082	21							
			Total	111	100	13,485	100	9,353	100	151,319	100							
f. Working effectively with others	pgothers	1	Very little	9	8	835	7	576	7	10,128	8	<b>2.7</b>	2.8	-0.18	2.8	-0.17	2.8	-0.17
		2	Some	31	30	3,721	28	2,581	29	41,668	28							
		3	Quite a bit	58	50	5,649	41	3,958	42	62,325	40							
		4	Very much	13	12	3,273	24	2,229	23	37,170	24							
			Total	111	100	13,478	100	9,344	100	151,291	100							

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

# NSSE 2023 Frequencies and Statistical Comparisons

## Northern Michigan University

### First-Year Students

#### Frequency Distributions<sup>a</sup>

#### Statistical Comparisons<sup>b</sup>

*Your first-year students compared with*

Item wording or description	Variable name <sup>c</sup>	Values <sup>d</sup>	Response options	Frequency Distributions <sup>a</sup>								Statistical Comparisons <sup>b</sup>							
				NMU		Great Lakes Public		Carnegie Class		NSSE 2022 & 2023		NMU	Great Lakes Public		Carnegie Class		NSSE 2022 & 2023		
				Count	%	Count	%	Count	%	Count	%	Mean	Mean	Effect size <sup>e</sup>	Mean	Effect size <sup>e</sup>	Mean	Effect size <sup>e</sup>	
g. Developing or clarifying a personal code of values and ethics	pgvalues	1	Very little	14	11	1,454	12	899	10	15,331	11	<b>2.6</b>	2.7	-11	2.7	-15	2.7	-15	
		2	Some	36	34	4,017	30	2,719	30	43,671	29								
		3	Quite a bit	47	42	5,225	38	3,680	39	58,324	38								
		4	Very much	14	13	2,779	20	2,038	21	33,851	22								
		Total		111	100	13,475	100	9,336	100	151,177	100								
h. Understanding people of other backgrounds (economic, racial/ethnic, political, religious, nationality, etc.)	pgdiverse	1	Very little	16	15	1,067	8	763	9	11,943	9	<b>2.5</b>	2.8 ***	-37	2.8 ***	-36	2.8 ***	-39	
		2	Some	43	38	3,670	28	2,605	28	40,451	27								
		3	Quite a bit	34	31	5,346	39	3,679	39	58,913	38								
		4	Very much	18	16	3,400	25	2,301	24	39,960	26								
		Total		111	100	13,483	100	9,348	100	151,267	100								
i. Solving complex real-world problems	pgprobolve	1	Very little	15	12	1,421	11	1,012	12	15,557	11	<b>2.5</b>	2.6	-17	2.6	-15	2.7 *	-21	
		2	Some	43	39	4,524	34	3,147	34	48,882	32								
		3	Quite a bit	40	37	4,966	36	3,436	36	55,463	36								
		4	Very much	13	12	2,594	19	1,759	19	31,483	21								
		Total		111	100	13,505	100	9,354	100	151,385	100								
j. Being an informed and active citizen	pgcitizen	1	Very little	16	16	1,553	12	1,052	12	17,086	12	<b>2.4</b>	2.6	-18	2.6 *	-20	2.6 *	-21	
		2	Some	42	36	4,462	33	3,120	33	48,815	32								
		3	Quite a bit	40	36	4,855	35	3,337	35	53,989	35								
		4	Very much	13	12	2,646	19	1,862	20	31,768	21								
		Total		111	100	13,516	100	9,371	100	151,658	100								
<b>19. How would you evaluate your entire educational experience at this institution?</b>																			
	evalexp	1	Poor	1	1	278	2	231	3	3,352	2	<b>3.0</b>	3.1	-02	3.0	.03	3.1	-05	
		2	Fair	12	11	2,119	16	1,631	19	24,367	17								
		3	Good	78	71	7,515	55	4,958	52	79,324	51								
		4	Excellent	20	17	3,658	27	2,580	26	45,064	30								
		Total		111	100	13,570	100	9,400	100	152,107	100								
<b>20. If you could start over again, would you go to the same institution you are now attending?</b>																			
	sameinst	1	Definitely no	5	5	445	3	414	5	5,774	4	<b>3.1</b>	3.2	-14	3.1	-04	3.2	-12	
		2	Probably no	15	16	1,742	13	1,424	15	21,244	14								
		3	Probably yes	51	47	6,453	47	4,332	46	70,159	46								
		4	Definitely yes	39	32	4,995	36	3,276	34	55,593	37								
		Total		110	100	13,635	100	9,446	100	152,770	100								

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

# NSSE 2023 Frequencies and Statistical Comparisons

## Northern Michigan University

### First-Year Students

#### Frequency Distributions<sup>a</sup>

#### Statistical Comparisons<sup>b</sup>

*Your first-year students compared with*

Item wording or description	Variable name <sup>c</sup>	Values <sup>d</sup>	Frequency Distributions <sup>a</sup>								Statistical Comparisons <sup>b</sup>							
			NMU		Great Lakes Public		Carnegie Class		NSSE 2022 & 2023		NMU	Great Lakes Public	Carnegie Class	NSSE 2022 & 2023				
			Count	%	Count	%	Count	%	Count	%	Mean	Mean	Effect size <sup>e</sup>	Mean	Effect size <sup>e</sup>	Mean	Effect size <sup>e</sup>	
<b>21. Do you intend to return to this institution next year?<sup>f</sup></b>																		
	returnexp	No	8	7	580	4	479	5	6,574	4	<b>83%</b>	▽	89% *	-0.18	86%	-0.07	88%	-0.13
	(Means indicate the percentage who responded "Yes.")	Yes	96	83	12,250	89	8,201	86	134,992	88								
		Not sure	8	10	832	6	813	9	11,462	8								
		Total	112	100	13,662	100	9,493	100	153,028	100								

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

# NSSE 2023 Frequencies and Statistical Comparisons

## Northern Michigan University

### Seniors

#### Frequency Distributions<sup>a</sup>

#### Statistical Comparisons<sup>b</sup>

*Your seniors compared with*

Item wording or description	Variable name <sup>c</sup>	Values <sup>d</sup>	Response options	NMU		Great Lakes Public		Carnegie Class		NSSE 2022 & 2023		NMU	Your seniors compared with					
				Count	%	Count	%	Count	%	Count	%		Mean	Mean	Effect size <sup>e</sup>	Mean	Effect size <sup>e</sup>	Mean
<b>1. During the current school year, about how often have you done the following?</b>																		
a. Asked questions or contributed to course discussions in other ways	askquest	1	Never	11	3	461	3	243	2	6,636	3	<b>3.1</b>	3.0	.02	3.1	-.10	3.0	.02
		2	Sometimes	92	27	4,939	27	3,121	23	57,949	27							
		3	Often	108	31	6,341	33	4,446	33	71,469	32							
		4	Very often	145	39	7,499	37	5,719	42	87,114	38							
		Total		356	100	19,240	100	13,529	100	223,168	100							
b. Asked another student to help you understand course material	CLaskhelp	1	Never	37	12	3,122	16	1,962	16	37,468	18	<b>2.5</b>	2.4	.06	2.4	.09	2.4 *	.12
		2	Sometimes	149	41	7,892	41	5,763	43	90,422	41							
		3	Often	110	32	4,936	26	3,479	25	56,747	25							
		4	Very often	55	15	3,263	17	2,300	16	37,763	16							
		Total		351	100	19,213	100	13,504	100	222,400	100							
c. Explained course material to one or more students	CLexplain	1	Never	16	4	1,800	9	1,116	9	23,861	12	<b>2.8</b>	2.7 **	.16	2.7 **	.14	2.6 ***	.21
		2	Sometimes	120	34	7,159	38	4,870	37	80,788	37							
		3	Often	136	40	6,300	33	4,515	33	71,404	31							
		4	Very often	84	22	3,921	21	2,990	22	46,055	20							
		Total		356	100	19,180	100	13,491	100	222,108	100							
d. Prepared for exams by discussing or working through course material with other students	CLstudy	1	Never	80	23	4,852	25	2,942	24	52,936	26	<b>2.3</b>	2.3	.02	2.4	-.03	2.3	.01
		2	Sometimes	128	38	6,645	35	4,706	35	75,904	34							
		3	Often	87	24	4,566	24	3,361	25	53,854	23							
		4	Very often	56	15	3,036	16	2,424	17	38,277	17							
		Total		351	100	19,099	100	13,433	100	220,971	100							
e. Worked with other students on course projects or assignments	CLproject	1	Never	18	5	1,441	7	1,088	9	23,217	11	<b>2.9</b>	2.9	.03	2.8	.09	2.8 **	.13
		2	Sometimes	100	27	5,647	29	3,972	30	62,998	29							
		3	Often	136	41	6,531	35	4,671	35	73,768	33							
		4	Very often	97	26	5,407	29	3,632	27	60,173	27							
		Total		351	100	19,026	100	13,363	100	220,156	100							
f. Given a course presentation	present	1	Never	38	11	2,434	13	1,317	11	28,712	14	<b>2.7</b>	2.6 **	.14	2.7	.01	2.6 *	.13
		2	Sometimes	116	31	7,244	39	4,518	34	77,131	36							
		3	Often	120	35	5,548	29	4,319	32	66,035	29							
		4	Very often	78	23	3,787	20	3,206	24	47,925	21							
		Total		352	100	19,013	100	13,360	100	219,803	100							

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

# NSSE 2023 Frequencies and Statistical Comparisons

## Northern Michigan University

### Seniors

#### Frequency Distributions<sup>a</sup>

#### Statistical Comparisons<sup>b</sup>

*Your seniors compared with*

Item wording or description	Variable name <sup>c</sup>	Values <sup>d</sup>	Response options	NMU		Great Lakes Public		Carnegie Class		NSSE 2022 & 2023		NMU	Your seniors compared with					
				Count	%	Count	%	Count	%	Count	%		Mean	Mean	Effect size <sup>e</sup>	Mean	Effect size <sup>e</sup>	Mean
<b>2. During the current school year, about how often have you done the following?</b>																		
a. Combined ideas from different courses when completing assignments	RIntegrate	1	Never	17	5	694	4	528	5	9,501	5	<b>3.0</b>	3.0	.06	2.9	.09	2.9 *	.11
		2	Sometimes	79	22	4,717	26	3,446	26	57,398	27							
		3	Often	134	38	7,567	40	5,242	40	86,055	39							
		4	Very often	120	35	5,838	30	3,997	30	64,819	29							
		Total		350	100	18,816	100	13,213	100	217,773	100							
b. Connected your learning to societal problems or issues	RSocietal	1	Never	19	7	1,370	8	766	7	14,617	8	<b>2.9</b>	2.8	.05	2.9	-.02	2.8	.04
		2	Sometimes	106	30	5,472	30	3,658	28	63,226	30							
		3	Often	118	35	6,516	34	4,892	37	77,663	35							
		4	Very often	104	29	5,339	27	3,826	28	61,066	27							
		Total		347	100	18,697	100	13,142	100	216,572	100							
c. Included diverse perspectives (political, religious, racial/ethnic, gender, etc.) in course discussions or assignments	RIdiverse	1	Never	46	16	2,100	12	1,122	10	23,471	13	<b>2.6</b>	2.7	-.06	2.7 *	-.13	2.7	-.06
		2	Sometimes	111	31	5,827	32	4,078	31	66,517	31							
		3	Often	96	27	5,791	31	4,422	33	69,641	31							
		4	Very often	93	26	4,838	25	3,441	26	55,706	25							
		Total		346	100	18,556	100	13,063	100	215,335	100							
d. Examined the strengths and weaknesses of your own views on a topic or issue	Rlowview	1	Never	13	4	865	5	536	4	9,726	5	<b>2.9</b>	2.9	.03	2.9	-.04	2.9	.00
		2	Sometimes	106	30	5,089	28	3,398	26	57,389	27							
		3	Often	136	40	7,877	43	5,694	44	91,869	43							
		4	Very often	88	25	4,559	24	3,326	26	54,624	25							
		Total		343	100	18,390	100	12,954	100	213,608	100							
e. Tried to better understand someone else's views by imagining how an issue looks from their perspective	RIperspect	1	Never	9	3	583	4	375	3	6,467	4	<b>3.0</b>	3.0	.03	3.0	-.01	3.0	.02
		2	Sometimes	84	26	4,068	23	2,743	22	47,354	23							
		3	Often	134	39	8,098	45	5,783	45	93,648	44							
		4	Very often	112	33	5,412	29	3,901	30	63,648	30							
		Total		339	100	18,161	100	12,802	100	211,117	100							
f. Learned something that changed the way you understand an issue or concept	Rnewview	1	Never	8	3	442	3	291	3	4,717	3	<b>3.0</b>	3.0	.01	3.0	.00	3.0	.00
		2	Sometimes	97	28	4,480	25	3,209	26	51,381	25							
		3	Often	121	36	7,825	43	5,465	42	90,661	43							
		4	Very often	109	33	5,184	28	3,707	29	61,886	29							
		Total		335	100	17,931	100	12,672	100	208,645	100							

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



# NSSE 2023 Frequencies and Statistical Comparisons

## Northern Michigan University

### Seniors

#### Frequency Distributions<sup>a</sup>

#### Statistical Comparisons<sup>b</sup>

*Your seniors compared with*

Item wording or description	Variable name <sup>c</sup>	Values <sup>d</sup>	Response options	NMU		Great Lakes Public		Carnegie Class		NSSE 2022 & 2023		NMU Mean	Your seniors compared with					
				Count	%	Count	%	Count	%	Count	%		Great Lakes Public Mean	Effect size <sup>e</sup>	Carnegie Class Mean	Effect size <sup>e</sup>	NSSE 2022 & 2023 Mean	Effect size <sup>e</sup>
g. Connected ideas from your courses to your prior experiences and knowledge	Rlconnect	1	Never	3	1	192	1	147	1	2,340	1	<b>3.3</b>	3.2	.06	3.2	.07	3.2	.07
		2	Sometimes	50	15	2,467	14	1,787	15	29,580	15							
		3	Often	132	40	7,915	45	5,689	45	92,591	45							
		4	Very often	148	44	7,182	39	4,921	39	82,338	39							
		Total		333	100	17,756	100	12,544	100	206,849	100							
<b>3. During the current school year, about how often have you done the following?</b>																		
a. Talked about career plans with a faculty member	SFcareer	1	Never	56	19	3,151	19	1,689	15	34,963	19	<b>2.5</b>	2.4 *	.14	2.6	-.02	2.4	.11
		2	Sometimes	110	32	6,951	40	4,606	37	79,271	39							
		3	Often	88	25	4,172	23	3,350	26	50,281	23							
		4	Very often	80	24	3,475	18	2,901	22	42,212	19							
		Total		334	100	17,749	100	12,546	100	206,727	100							
b. Worked with a faculty member on activities other than coursework (committees, student groups, etc.)	SFotherwork	1	Never	114	37	7,587	43	4,375	36	84,061	43	<b>2.1</b>	1.9 **	.16	2.1	.00	2.0 *	.14
		2	Sometimes	110	31	5,319	30	4,000	32	61,558	29							
		3	Often	53	15	2,739	15	2,274	18	33,703	16							
		4	Very often	55	16	2,026	11	1,841	14	26,574	12							
		Total		332	100	17,671	100	12,490	100	205,896	100							
c. Discussed course topics, ideas, or concepts with a faculty member outside of class	SFdiscuss	1	Never	76	25	5,121	29	2,873	24	57,493	30	<b>2.2</b>	2.1	.10	2.3	-.05	2.1	.07
		2	Sometimes	141	40	7,038	41	4,847	39	78,482	38							
		3	Often	78	23	3,379	19	2,896	23	42,162	20							
		4	Very often	36	12	2,004	11	1,760	14	26,193	12							
		Total		331	100	17,542	100	12,376	100	204,330	100							
d. Discussed your academic performance with a faculty member	SFperform	1	Never	72	22	4,614	28	2,273	19	47,146	25	<b>2.2</b>	2.1 *	.11	2.3 *	-.12	2.2	.02
		2	Sometimes	152	46	7,514	42	5,204	42	86,518	42							
		3	Often	60	19	3,509	19	3,085	24	44,765	21							
		4	Very often	45	13	1,908	10	1,820	14	25,959	12							
		Total		329	100	17,545	100	12,382	100	204,388	100							
<b>4. During the current school year, how much has your coursework emphasized the following?</b>																		
a. Memorizing course material	memorize	1	Very little	24	7	1,572	9	919	8	16,633	8	<b>2.8</b>	2.7	.11	2.8	.07	2.7	.09
		2	Some	99	31	5,392	31	3,674	30	61,720	31							
		3	Quite a bit	112	34	6,637	38	4,925	40	78,501	38							
		4	Very much	90	28	3,855	22	2,770	22	46,300	22							
		Total		325	100	17,456	100	12,288	100	203,154	100							

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

# NSSE 2023 Frequencies and Statistical Comparisons

## Northern Michigan University

### Seniors

#### Frequency Distributions<sup>a</sup>

#### Statistical Comparisons<sup>b</sup>

*Your seniors compared with*

Item wording or description	Variable name <sup>c</sup>	Values <sup>d</sup>	Response options	NMU		Great Lakes Public		Carnegie Class		NSSE 2022 & 2023		Mean	Great Lakes Public Mean	Effect size <sup>e</sup>	Carnegie Class Mean	Effect size <sup>e</sup>	NSSE 2022 & 2023 Mean	Effect size <sup>e</sup>
				Count	%	Count	%	Count	%	Count	%							
b. Applying facts, theories, or methods to practical problems or new situations	HOapply	1	Very little	8	3	479	3	346	3	5,766	3	<b>3.1</b>	3.1	.03	3.1	.05	3.1	.05
		2	Some	61	19	3,172	18	2,320	19	38,635	19							
		3	Quite a bit	135	41	7,819	45	5,547	45	89,453	44							
		4	Very much	119	37	5,901	34	4,015	33	68,385	33							
		Total		323	100	17,371	100	12,228	100	202,239	100							
c. Analyzing an idea, experience, or line of reasoning in depth by examining its parts	HOanalyze	1	Very little	11	4	582	4	401	3	6,483	3	<b>3.0</b>	3.0	-.01	3.0	-.01	3.1	-.02
		2	Some	72	22	3,652	21	2,547	21	41,191	21							
		3	Quite a bit	131	40	7,341	43	5,271	43	85,985	43							
		4	Very much	108	34	5,626	33	3,904	32	66,856	33							
		Total		322	100	17,201	100	12,123	100	200,515	100							
d. Evaluating a point of view, decision, or information source	HOevaluate	1	Very little	24	8	890	6	467	4	8,974	5	<b>2.9</b>	2.9	-.01	3.0	-.10	3.0	-.07
		2	Some	74	24	4,016	24	2,600	22	43,810	22							
		3	Quite a bit	126	38	7,094	41	5,261	43	84,309	42							
		4	Very much	98	31	5,114	29	3,705	31	62,504	31							
		Total		322	100	17,114	100	12,033	100	199,597	100							
e. Forming a new idea or understanding from various pieces of information	HOform	1	Very little	15	5	646	4	381	3	6,817	4	<b>3.0</b>	3.0	-.02	3.0	-.07	3.0	-.06
		2	Some	74	22	3,747	22	2,532	21	42,490	22							
		3	Quite a bit	141	44	7,616	44	5,440	45	88,192	44							
		4	Very much	90	28	5,036	29	3,616	30	61,197	30							
		Total		320	100	17,045	100	11,969	100	198,696	100							
<b>5. During the current school year, to what extent have your instructors done the following?</b>																		
a. Clearly explained course goals and requirements	ETgoals	1	Very little	6	2	380	2	269	2	4,497	3	<b>3.2</b>	3.1	.02	3.2	.01	3.2	.01
		2	Some	55	18	2,965	18	2,029	17	34,383	18							
		3	Quite a bit	141	41	7,248	44	5,152	43	84,094	42							
		4	Very much	117	39	6,357	36	4,441	37	74,658	38							
		Total		319	100	16,950	100	11,891	100	197,632	100							
b. Taught course sessions in an organized way	ETorganize	1	Very little	11	4	685	4	444	4	8,102	4	<b>3.0</b>	3.1	-.02	3.1	-.04	3.1	-.02
		2	Some	67	22	3,246	19	2,189	19	37,537	19							
		3	Quite a bit	132	39	7,185	43	5,140	43	83,297	42							
		4	Very much	109	35	5,791	34	4,099	34	68,169	35							
		Total		319	100	16,907	100	11,872	100	197,105	100							

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

# NSSE 2023 Frequencies and Statistical Comparisons

## Northern Michigan University

### Seniors

#### Frequency Distributions<sup>a</sup>

#### Statistical Comparisons<sup>b</sup>

*Your seniors compared with*

Item wording or description	Variable name <sup>c</sup>	Values <sup>d</sup>	Response options	Frequency Distributions <sup>a</sup>								Statistical Comparisons <sup>b</sup>						
				NMU		Great Lakes Public		Carnegie Class		NSSE 2022 & 2023		NMU	Great Lakes Public	Carnegie Class	NSSE 2022 & 2023			
				Count	%	Count	%	Count	%	Count	%	Mean	Mean	Effect size <sup>e</sup>	Mean	Effect size <sup>e</sup>	Mean	Effect size <sup>e</sup>
c. Used examples or illustrations to explain difficult points	ETexample	1	Very little	11	4	596	4	403	4	7,147	4	<b>3.2</b>	3.1 *	.13	3.1 *	.14	3.1 *	.14
		2	Some	46	14	3,235	19	2,272	20	38,034	20							
		3	Quite a bit	126	38	6,745	41	4,765	40	78,629	40							
		4	Very much	136	44	6,287	37	4,406	37	72,955	37							
		Total		319	100	16,863	100	11,846	100	196,765	100							
d. Provided feedback on a draft or work in progress	ETdraftfb	1	Very little	36	12	1,568	10	895	8	16,682	9	<b>2.8</b>	2.8	.03	2.9	-.08	2.9	-.01
		2	Some	73	23	4,391	27	2,861	25	51,416	27							
		3	Quite a bit	108	31	5,717	34	4,211	35	67,898	34							
		4	Very much	102	33	5,176	29	3,850	32	60,447	30							
		Total		319	100	16,852	100	11,817	100	196,443	100							
e. Provided prompt and detailed feedback on tests or completed assignments	ETfeedback	1	Very little	28	9	1,237	8	776	7	14,441	8	<b>2.8</b>	2.8	.04	2.9	-.06	2.8	.00
		2	Some	81	25	4,647	29	2,988	26	52,902	27							
		3	Quite a bit	124	37	6,260	37	4,540	38	73,148	37							
		4	Very much	85	29	4,634	26	3,486	29	55,177	28							
		Total		318	100	16,778	100	11,790	100	195,668	100							
f. Explained in advance the criteria for successfully completing your assignments	etcriteria	1	Very little	16	6	583	4	393	4	6,939	4	<b>3.0</b>	3.1	.00	3.1	-.06	3.1	-.03
		2	Some	66	21	3,342	21	2,251	19	38,986	20							
		3	Quite a bit	120	36	6,895	42	4,867	41	79,747	40							
		4	Very much	114	37	5,899	34	4,212	36	69,166	36							
		Total		316	100	16,719	100	11,723	100	194,838	100							
g. Reviewed and summarized key ideas or concepts	etreview	1	Very little	11	4	520	3	345	3	6,190	4	<b>3.1</b>	3.1	.02	3.1	-.01	3.1	.00
		2	Some	64	19	3,260	20	2,210	19	38,240	20							
		3	Quite a bit	137	43	7,233	44	5,162	44	83,725	43							
		4	Very much	103	34	5,651	33	3,985	34	66,168	34							
		Total		315	100	16,664	100	11,702	100	194,323	100							
h. Taught in a way that aligns with how you prefer to learn	etprefer	1	Very little	29	10	1,259	8	802	8	14,212	8	<b>2.7</b>	2.8	-.08	2.8 *	-.13	2.8	-.10
		2	Some	98	31	4,952	30	3,338	29	57,065	29							
		3	Quite a bit	126	40	6,473	39	4,610	39	75,830	39							
		4	Very much	62	20	3,965	23	2,932	25	46,946	24							
		Total		315	100	16,649	100	11,682	100	194,053	100							

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

# NSSE 2023 Frequencies and Statistical Comparisons

## Northern Michigan University

### Seniors

#### Frequency Distributions<sup>a</sup>

#### Statistical Comparisons<sup>b</sup>

*Your seniors compared with*

Item wording or description	Variable name <sup>c</sup>	Values <sup>d</sup>	Response options	NMU		Great Lakes Public		Carnegie Class		NSSE 2022 & 2023		NMU	Great Lakes Public		Carnegie Class		NSSE 2022 & 2023	
				Count	%	Count	%	Count	%	Count	%		Mean	Mean	Effect size <sup>e</sup>	Mean	Effect size <sup>e</sup>	Mean
i. Enabled you to demonstrate your learning through quizzes, assignments, and other activities	etdemonstrate	1	Very little	11	4	487	3	324	3	5,697	3	<b>3.1</b>	3.2 *	-12	3.2 **	-15	3.1	-11
		2	Some	60	19	2,724	16	1,817	16	32,151	17							
		3	Quite a bit	141	45	6,944	43	4,922	42	81,383	42							
		4	Very much	100	32	6,463	38	4,598	40	74,633	38							
		Total		312	100	16,618	100	11,661	100	193,864	100							
<b>6. During the current school year, about how often have you done the following?</b>																		
a. Reached conclusions based on your own analysis of numerical information (numbers, graphs, statistics, etc.)	QRconclude	1	Never	41	12	1,754	10	1,223	11	19,448	10	<b>2.6</b>	2.7	-0.04	2.7	-0.03	2.7	-0.06
		2	Sometimes	98	31	5,606	34	3,895	33	64,062	33							
		3	Often	111	38	5,773	36	4,068	36	67,535	36							
		4	Very often	53	19	3,264	21	2,317	21	40,319	22							
		Total		303	100	16,397	100	11,503	100	191,364	100							
b. Used numerical information to examine a real-world problem or issue (unemployment, climate change, public health, etc.)	QRproblem	1	Never	62	21	2,716	16	1,740	15	29,752	16	<b>2.4</b>	2.5 *	-0.13	2.5 *	-0.14	2.5 **	-0.15
		2	Sometimes	112	36	5,956	36	4,243	37	67,963	35							
		3	Often	86	28	4,910	30	3,493	31	58,125	30							
		4	Very often	43	15	2,777	18	1,976	18	34,823	18							
		Total		303	100	16,359	100	11,452	100	190,663	100							
c. Evaluated what others have concluded from numerical information	QRevaluate	1	Never	49	17	2,506	15	1,782	16	28,215	15	<b>2.4</b>	2.5	-0.09	2.5	-0.07	2.5	-0.10
		2	Sometimes	119	38	6,234	37	4,301	38	69,958	37							
		3	Often	91	31	5,047	32	3,501	31	59,969	32							
		4	Very often	38	14	2,479	16	1,806	16	31,668	17							
		Total		297	100	16,266	100	11,390	100	189,810	100							
<b>7. During the current school year, about how many papers, reports, or other writing tasks of the following lengths have you been assigned? (Include those not yet completed.)</b>																		
a. Up to 5 pages <i>(Recorded version of wrshort created by NSSE. Values are estimated number of papers, reports, etc.)</i>	wrshortnum	0	None	29	10	1,136	7	648	6	12,046	7	<b>6.6</b>	7.5 *	-0.14	7.6 **	-0.16	7.6 *	-0.15
		1.5	1-2	63	22	3,009	18	1,988	18	33,652	18							
		4	3-5	89	30	4,563	28	3,271	29	54,792	29							
		8	6-10	49	17	3,415	21	2,539	22	41,348	22							
		13	11-15	28	10	1,620	10	1,294	11	20,683	11							
		18	16-20	14	5	974	6	635	6	10,508	6							
		23	More than 20	20	6	1,516	9	1,002	9	16,425	9							
Total		292	100	16,233	100	11,377	100	189,454	100									

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

# NSSE 2023 Frequencies and Statistical Comparisons

## Northern Michigan University

### Seniors

#### Frequency Distributions<sup>a</sup>

#### Statistical Comparisons<sup>b</sup>

*Your seniors compared with*

Item wording or description	Variable name <sup>c</sup>	Values <sup>d</sup>	Response options	NMU		Great Lakes Public		Carnegie Class		NSSE 2022 & 2023		NMU	Your seniors compared with					
				Count	%	Count	%	Count	%	Count	%		Mean	Mean	Effect size <sup>e</sup>	Mean	Effect size <sup>e</sup>	Mean
b. Between 6 and 10 pages	wrmednum	0	None	100	33	4,585	29	2,824	26	47,556	26	<b>3.1</b>	3.2	-.04	3.5	-.09	3.6 *	-12
	(Recorded version of wrmed created by NSSE. Values are estimated number of papers, reports, etc.)	1.5	1-2	92	32	5,335	33	3,779	33	61,161	32							
	4	3-5	59	20	3,548	22	2,698	23	43,933	23								
	8	6-10	25	9	1,628	10	1,259	11	21,774	12								
	13	11-15	10	3	593	4	426	4	7,889	4								
	18	16-20	1	1	213	1	149	1	2,864	2								
	23	More than 20	6	2	286	2	184	2	3,542	2								
Total		293	100	16,188	100	11,319	100	188,719	100									
c. 11 pages or more	wrlongnum	0	None	155	53	8,718	54	5,612	50	93,872	50	<b>1.8</b>	1.8	.00	1.9	-.03	2.0	-.06
	(Recorded version of wrlong created by NSSE. Values are estimated number of papers, reports, etc.)	1.5	1-2	95	32	4,791	30	3,796	32	59,335	30							
	4	3-5	22	7	1,474	9	1,076	9	19,155	10								
	8	6-10	10	3	554	3	407	4	7,876	4								
	13	11-15	6	2	328	2	237	2	4,550	3								
	18	16-20	2	1	126	1	87	1	1,563	1								
	23	More than 20	4	1	218	1	141	1	2,774	2								
Total		294	100	16,209	100	11,356	100	189,125	100									
Estimated number of assigned pages of student writing.	wrpages		(Continuous variable, recoded and summed by NSSE from wrshort, wrmed, and wrlong. Values are estimated pages of assigned writing.)									<b>70.0</b>	74.6	-.05	78.9	-.09	81.8	-.12
<b>8. During the current school year, about how often have you had discussions with people from the following groups?</b>																		
a. People of races or ethnicities other than your own	DDrace	1	Never	35	12	879	5	582	6	10,190	6	<b>2.5</b>	3.0 ***	-.49	3.0 ***	-.48	3.0 ***	-.55
		2	Sometimes	133	45	4,554	28	3,140	28	46,582	24							
		3	Often	65	22	5,073	31	3,544	30	59,452	31							
		4	Very often	60	21	5,686	35	4,079	36	72,776	39							
		Total		293	100	16,192	100	11,345	100	189,000	100							
b. People from economic backgrounds other than your own	DDeconomic	1	Never	18	7	698	4	468	5	9,146	5	<b>2.9</b>	3.0 **	-.16	3.0 **	-.16	3.0 **	-.16
		2	Sometimes	84	28	4,053	25	2,766	25	44,956	24							
		3	Often	115	38	5,913	37	4,182	37	67,442	35							
		4	Very often	74	27	5,516	34	3,907	34	67,089	35							
		Total		291	100	16,180	100	11,323	100	188,633	100							

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

# NSSE 2023 Frequencies and Statistical Comparisons

## Northern Michigan University

### Seniors

#### Frequency Distributions<sup>a</sup>

#### Statistical Comparisons<sup>b</sup>

*Your seniors compared with*

Item wording or description	Variable name <sup>c</sup>	Values <sup>d</sup>	Response options	Frequency Distributions <sup>a</sup>								Statistical Comparisons <sup>b</sup>						
				NMU		Great Lakes Public		Carnegie Class		NSSE 2022 & 2023		NMU	Great Lakes Public		Carnegie Class		NSSE 2022 & 2023	
				Count	%	Count	%	Count	%	Count	%	Mean	Mean	Effect size <sup>e</sup>	Mean	Effect size <sup>e</sup>	Mean	Effect size <sup>e</sup>
c. People with religious beliefs other than your own	DDreligion	1	Never	23	8	1,021	6	746	7	13,784	8	2.7	2.9 ***	-0.20	2.9 **	-0.17	2.9 **	-0.18
		2	Sometimes	106	36	4,601	29	3,233	29	52,683	28							
		3	Often	92	30	5,325	33	3,724	33	60,121	32							
		4	Very often	71	26	5,212	32	3,613	32	61,957	33							
		Total		292	100	16,159	100	11,316	100	188,545	100							
d. People with political views other than your own	DDpolitical	1	Never	25	9	1,097	7	723	7	14,636	8	2.7	2.8 **	-0.17	2.9 **	-0.18	2.8 *	-0.14
		2	Sometimes	117	38	4,982	32	3,362	30	58,407	31							
		3	Often	78	27	5,163	32	3,752	32	58,520	31							
		4	Very often	72	26	4,904	30	3,477	30	56,904	30							
		Total		292	100	16,146	100	11,314	100	188,467	100							
e. People with sexual orientations other than your own	ddsexorient	1	Never	21	8	1,314	8	1,032	10	17,014	10	2.9	2.9	.09	2.8 *	.14	2.8 *	.14
		2	Sometimes	68	24	4,683	30	3,406	31	55,633	30							
		3	Often	95	32	4,943	30	3,398	29	56,203	29							
		4	Very often	107	36	5,191	32	3,471	31	59,401	31							
		Total		291	100	16,131	100	11,307	100	188,251	100							
f. People from countries other than your own	ddcountry	1	Never	71	25	2,192	12	1,466	13	20,786	11	2.1	2.6 ***	-0.48	2.5 ***	-0.44	2.7 ***	-0.54
		2	Sometimes	146	49	6,603	40	4,636	41	72,240	38							
		3	Often	42	14	3,895	25	2,777	24	48,676	26							
		4	Very often	34	12	3,459	23	2,435	22	46,784	25							
		Total		293	100	16,149	100	11,314	100	188,486	100							
<b>9. During the current school year, about how often have you done the following?</b>																		
a. Identified key information from reading assignments	LSreading	1	Never	13	5	527	4	280	3	5,187	3	2.9	3.0 *	-0.13	3.1 ***	-0.20	3.1 **	-0.18
		2	Sometimes	80	26	3,361	22	2,261	20	37,390	20							
		3	Often	122	42	6,780	42	4,808	42	79,777	42							
		4	Very often	77	28	5,416	33	3,888	35	65,180	34							
		Total		292	100	16,084	100	11,237	100	187,534	100							
b. Reviewed your notes after class	LSnotes	1	Never	21	8	1,180	8	735	7	12,268	7	2.8	2.8	-0.03	2.9	-0.08	2.9	-0.09
		2	Sometimes	90	30	4,609	30	3,145	28	53,080	28							
		3	Often	100	35	5,405	33	3,831	34	63,775	34							
		4	Very often	80	27	4,887	29	3,522	31	58,328	31							
		Total		291	100	16,081	100	11,233	100	187,451	100							

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

# NSSE 2023 Frequencies and Statistical Comparisons

## Northern Michigan University

### Seniors

#### Frequency Distributions<sup>a</sup>

#### Statistical Comparisons<sup>b</sup>

*Your seniors compared with*

Item wording or description	Variable name <sup>c</sup>	Values <sup>d</sup>	Response options	NMU		Great Lakes Public		Carnegie Class		NSSE 2022 & 2023		NMU	Your seniors compared with					
				Count	%	Count	%	Count	%	Count	%		Mean	Mean	Effect size <sup>e</sup>	Mean	Effect size <sup>e</sup>	Mean
c. Summarized what you learned in class or from course materials	LSummary	1	Never	16	6	930	6	564	5	9,961	6	<b>2.8</b>	2.9	-0.09	2.9 *	-0.14	2.9 *	-0.14
		2	Sometimes	96	32	4,392	28	3,018	27	50,438	27							
		3	Often	110	38	6,151	38	4,365	39	71,703	38							
		4	Very often	69	23	4,608	27	3,276	29	55,252	29							
		Total		291	100	16,081	100	11,223	100	187,354	100							
<b>10. During the current school year, to what extent have your courses challenged you to do your best work?</b>																		
challenge		1	Not at all	3	1	170	1	99	1	2,003	1	<b>5.5</b>	5.5	.02	5.5	-0.03	5.5	-0.02
		2		2	1	226	1	160	2	2,706	2							
		3		11	4	724	5	487	4	8,467	5							
		4		33	10	1,708	11	1,123	10	20,183	11							
		5		94	34	4,550	29	3,311	30	53,286	28							
		6		77	25	4,152	26	2,808	24	46,605	25							
		7	Very much	70	25	4,455	26	3,181	29	52,963	28							
Total		290	100	15,985	100	11,169	100	186,213	100									
<b>11. Which of the following have you done while in college or do you plan to do before you graduate?<sup>f</sup></b>																		
a. Participate in an internship, co-op, field experience, student teaching, or clinical placement	intern		Have not decided	18	7	1,347	8	891	9	18,524	11	<b>47%</b>	54% *	-0.14	54% *	-0.15	48%	-0.02
			Do not plan to do	65	25	2,761	17	1,707	16	31,325	18							
			Plan to do	60	21	3,283	21	2,164	21	41,967	23							
			Done or in progress	144	47	8,594	54	6,398	54	94,307	48							
			Total	287	100	15,985	100	11,160	100	186,123	100							
b. Hold a formal leadership role in a student organization or group	leader		Have not decided	31	11	1,756	10	1,269	12	22,980	13	<b>37%</b>	34%	.06	35%	.04	32%	.10
			Do not plan to do	134	47	7,741	48	4,835	44	82,632	46							
			Plan to do	14	5	1,226	8	869	8	16,419	9							
			Done or in progress	107	37	5,225	34	4,161	35	63,727	32							
			Total	286	100	15,948	100	11,134	100	185,758	100							
c. Participate in a learning community or some other formal program where groups of students take two or more classes together	learncom		Have not decided	38	14	1,962	11	1,599	15	26,983	15	<b>25%</b>	26%	-0.03	25%	.00	22%	.06
			Do not plan to do	158	56	8,461	54	5,537	50	95,381	52							
			Plan to do	14	4	1,307	8	1,040	10	19,239	11							
			Done or in progress	76	25	4,188	26	2,907	25	43,509	22							
			Total	286	100	15,918	100	11,083	100	185,112	100							

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

# NSSE 2023 Frequencies and Statistical Comparisons

## Northern Michigan University

### Seniors

#### Frequency Distributions<sup>a</sup>

#### Statistical Comparisons<sup>b</sup>

*Your seniors compared with*

Item wording or description	Variable name <sup>c</sup>	Values <sup>d</sup>	Response options	NMU		Great Lakes Public		Carnegie Class		NSSE 2022 & 2023		NMU	Great Lakes Public		Carnegie Class		NSSE 2022 & 2023	
				Count	%	Count	%	Count	%	Count	%		Mean	Mean	Effect size <sup>e</sup>	Mean	Effect size <sup>e</sup>	Mean
d. Participate in a study abroad program	abroad <i>(Means indicate the percentage who responded "Done or in progress.")</i>		Have not decided	25	9	1,737	11	1,407	14	23,984	13	<b>3%</b>	9% *** ▽	-0.27	8% ** ▽	-0.23	8% *** ▽	-0.26
			Do not plan to do	240	85	11,925	74	7,963	71	129,570	70							
			Plan to do	12	3	1,000	7	809	7	14,776	8							
			Done or in progress	9	3	1,257	9	925	8	16,951	8							
			Total	286	100	15,919	100	11,104	100	185,281	100							
e. Work with a faculty member on a research project	research <i>(Means indicate the percentage who responded "Done or in progress.")</i>		Have not decided	33	11	2,335	14	1,576	15	28,818	16	<b>28%</b>	23% * △	.13	26%	.06	22% * △	.13
			Do not plan to do	150	51	8,652	53	5,509	49	91,515	49							
			Plan to do	25	9	1,547	10	1,059	10	20,941	12							
			Done or in progress	77	28	3,391	23	2,936	26	43,891	22							
			Total	285	100	15,925	100	11,080	100	185,165	100							
f. Complete a culminating senior experience (capstone course, senior project or thesis, portfolio, recital, comprehensive exam, etc.)	capstone <i>(Means indicate the percentage who responded "Done or in progress.")</i>		Have not decided	19	6	1,207	8	855	8	17,562	10	<b>42%</b>	47%	-0.09	53% *** ▽	-0.21	46%	-0.07
			Do not plan to do	71	25	3,099	21	1,975	18	37,097	21							
			Plan to do	78	26	3,884	24	2,245	21	42,032	24							
			Done or in progress	118	42	7,698	47	6,011	53	88,450	46							
			Total	286	100	15,888	100	11,086	100	185,141	100							

#### 12. About how many of your courses at this institution have included a community-based project (service-learning)?

	servcourse	1	None	Count	%	Count	%	Count	%	Count	%		Mean	Effect size <sup>e</sup>	Mean	Effect size <sup>e</sup>	Mean	Effect size <sup>e</sup>
		2	Some	129	44	6,672	44	3,634	34	70,448	40	<b>1.6</b>	1.7	-0.08	1.8 *** ▽	-0.28	1.7 ** ▽	-0.17
		3	Most	21	6	1,377	8	1,310	12	19,009	10							
		4	All	6	2	361	2	323	3	5,083	3							
		Total	285	100	15,857	100	11,031	100	184,148	100								

#### 13. Indicate the quality of your interactions with the following people at your institution.

	Q1student	1	Poor	Count	%	Count	%	Count	%	Count	%		Mean	Effect size <sup>e</sup>	Mean	Effect size <sup>e</sup>	Mean	Effect size <sup>e</sup>
a. Students		2		2	1	204	1	131	1	2,628	2	<b>5.5</b>	5.6	-0.06	5.6	-0.06	5.6	-0.05
		3		4	2	231	2	162	2	3,051	2							
		4		14	6	547	4	428	4	7,154	4							
		5		24	8	1,442	9	1,051	9	17,836	10							
		6		77	27	3,892	25	2,725	24	43,460	23							
		7	Excellent	92	32	4,620	29	3,122	28	50,689	27							
		7	Excellent	71	24	4,671	28	3,236	29	54,794	30							
		—	Not applicable	1	0	270	2	192	2	4,985	3							
Total	285	100	15,877	100	11,047	100	184,597	100										

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



# NSSE 2023 Frequencies and Statistical Comparisons

## Northern Michigan University

### Seniors

#### Frequency Distributions<sup>a</sup>

#### Statistical Comparisons<sup>b</sup>

*Your seniors compared with*

Item wording or description	Variable name <sup>c</sup>	Values <sup>d</sup>	Response options	Frequency Distributions <sup>a</sup>								Statistical Comparisons <sup>b</sup>						
				NMU		Great Lakes Public		Carnegie Class		NSSE 2022 & 2023		NMU	Great Lakes Public	Carnegie Class	NSSE 2022 & 2023			
				Count	%	Count	%	Count	%	Count	%	Mean	Mean	Effect size <sup>e</sup>	Mean	Effect size <sup>e</sup>	Mean	Effect size <sup>e</sup>
b. Academic advisors	QIadvisor	1	Poor	27	9	781	5	466	4	8,236	5	<b>5.0</b>	5.1	-.09	5.4 **	-.22	5.3 *	-.16
		2		15	5	795	5	452	4	8,287	5							
		3		16	6	1,286	8	698	6	13,165	7							
		4		41	14	2,103	13	1,193	11	21,575	12							
		5		45	16	2,896	18	1,939	17	32,862	18							
		6		58	19	3,042	20	2,127	19	35,766	19							
		7	Excellent	81	30	4,763	29	4,001	36	61,500	33							
		—	Not applicable	2	1	211	1	143	1	2,983	2							
	Total	285	100	15,877	100	11,019	100	184,374	100									
c. Faculty	QIfaculty	1	Poor	3	1	245	2	150	2	2,947	2	<b>5.6</b>	5.5	.09	5.6	-.01	5.5	.04
		2		6	3	342	2	210	2	3,815	2							
		3		10	3	741	5	435	4	8,152	5							
		4		23	8	1,857	12	1,099	10	20,024	11							
		5		70	23	3,839	25	2,476	22	42,087	22							
		6		105	36	4,498	29	3,195	28	51,769	28							
		7	Excellent	67	25	4,203	26	3,360	31	53,481	29							
		—	Not applicable	1	1	141	1	98	1	2,108	1							
	Total	285	100	15,866	100	11,023	100	184,383	100									
d. Student services staff (career services, student activities, housing, etc.)	QIstaff	1	Poor	15	6	582	4	420	4	7,567	4	<b>4.9</b>	5.0	-.05	5.1	-.10	5.0	-.07
		2		13	5	589	4	430	4	7,269	4							
		3		22	9	966	6	719	6	11,983	6							
		4		36	13	1,965	13	1,338	12	22,581	12							
		5		51	17	2,824	18	2,071	18	33,180	17							
		6		61	21	2,722	18	1,951	18	31,362	17							
		7	Excellent	58	20	2,869	17	2,263	21	36,970	20							
		—	Not applicable	29	10	3,341	20	1,824	17	33,348	19							
	Total	285	100	15,858	100	11,016	100	184,260	100									

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# NSSE 2023 Frequencies and Statistical Comparisons

## Northern Michigan University

### Seniors

#### Frequency Distributions<sup>a</sup>

#### Statistical Comparisons<sup>b</sup>

*Your seniors compared with*

Item wording or description	Variable name <sup>c</sup>	Values <sup>d</sup>	Response options	NMU		Great Lakes Public		Carnegie Class		NSSE 2022 & 2023		NMU	Your seniors compared with					
				Count	%	Count	%	Count	%	Count	%		Mean	Mean	Effect size <sup>e</sup>	Mean	Effect size <sup>e</sup>	Mean
e. Other administrative staff and offices (registrar, financial aid, etc.)	QIadmin	1	Poor	19	8	632	4	476	4	8,394	5	<b>4.6</b>	5.0 **	-22	5.1 ***	-28	5.0 ***	-23
		2		18	6	692	4	459	4	8,477	5							
		3		32	11	1,047	7	776	7	13,509	7							
		4		40	14	2,295	15	1,572	14	25,798	14							
		5		54	19	3,170	20	2,294	21	36,729	19							
		6		50	18	3,118	20	2,252	20	35,478	19							
		7	Excellent	51	18	3,272	19	2,621	24	41,614	23							
		—	Not applicable	20	7	1,637	11	568	6	14,375	9							
	Total	284	100	15,863	100	11,018	100	184,374	100									
<b>14. How much does your institution emphasize the following?</b>																		
a. Spending significant amounts of time studying and on academic work	empstudy	1	Very little	9	4	312	2	203	2	3,476	2	<b>3.0</b>	3.1 **	-17	3.1 *	-15	3.1 **	-18
		2	Some	63	22	3,124	19	2,113	20	34,805	19							
		3	Quite a bit	141	49	7,256	46	5,131	46	82,625	45							
		4	Very much	72	26	5,121	33	3,553	32	62,862	34							
			Total	285	100	15,813	100	11,000	100	183,768	100							
b. Providing support to help students succeed academically	SEacademic	1	Very little	20	8	905	6	598	6	10,723	6	<b>2.7</b>	2.8 *	-14	2.9 ***	-22	2.9 **	-18
		2	Some	89	31	4,187	28	2,643	24	47,145	26							
		3	Quite a bit	125	42	6,722	43	4,693	42	75,815	41							
		4	Very much	50	19	3,971	24	3,043	27	49,759	27							
			Total	284	100	15,785	100	10,977	100	183,442	100							
c. Using learning support services (tutoring services, writing center, etc.)	SElearnsup	1	Very little	27	11	1,618	11	1,059	10	17,845	10	<b>2.8</b>	2.8	.01	2.8	-08	2.8	-05
		2	Some	68	24	4,101	27	2,577	24	45,791	25							
		3	Quite a bit	121	42	5,950	38	4,175	38	68,263	37							
		4	Very much	68	23	4,114	24	3,161	28	51,337	27							
			Total	284	100	15,783	100	10,972	100	183,236	100							
d. Encouraging contact among students from different backgrounds (social, racial/ethnic, religious, etc.)	SEdiverse	1	Very little	58	21	2,332	15	1,535	14	25,970	15	<b>2.3</b>	2.6 ***	-31	2.6 ***	-35	2.6 ***	-34
		2	Some	120	42	5,029	33	3,411	31	56,386	31							
		3	Quite a bit	69	25	5,032	32	3,629	33	59,529	32							
		4	Very much	36	12	3,347	20	2,373	22	41,119	22							
			Total	283	100	15,740	100	10,948	100	183,004	100							

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

# NSSE 2023 Frequencies and Statistical Comparisons

## Northern Michigan University

### Seniors

#### Frequency Distributions<sup>a</sup>

#### Statistical Comparisons<sup>b</sup>

*Your seniors compared with*

Item wording or description	Variable name <sup>c</sup>	Values <sup>d</sup>	Response options	NMU		Great Lakes Public		Carnegie Class		NSSE 2022 & 2023		NMU Mean	Great Lakes Public		Carnegie Class		NSSE 2022 & 2023	
				Count	%	Count	%	Count	%	Count	%		Mean	Effect size <sup>e</sup>	Mean	Effect size <sup>e</sup>	Mean	Effect size <sup>e</sup>
e. Providing opportunities to be involved socially	SEsocial	1	Very little	12	5	1,361	8	796	8	16,437	10	<b>2.9</b>	2.8	.06	2.9	.01	2.8	.09
		2	Some	77	28	4,215	27	2,835	26	48,511	27							
		3	Quite a bit	120	42	6,121	39	4,302	39	70,341	38							
		4	Very much	74	25	4,028	25	3,015	27	47,578	25							
		Total		283	100	15,725	100	10,948	100	182,867	100							
f. Providing support for your overall well-being (recreation, health care, counseling, etc.)	SEwellness	1	Very little	52	19	1,842	12	1,238	11	21,508	12	<b>2.4</b>	2.7 ***	-0.26	2.7 ***	-0.29	2.7 ***	-0.25
		2	Some	99	33	4,703	30	3,174	29	53,963	30							
		3	Quite a bit	88	32	5,566	35	3,972	36	64,839	35							
		4	Very much	43	16	3,599	23	2,553	23	42,399	23							
		Total		282	100	15,710	100	10,937	100	182,709	100							
g. Helping you manage your non-academic responsibilities (work, family, etc.)	SEnonacad	1	Very little	116	41	5,471	35	3,510	32	59,390	33	<b>1.9</b>	2.0 **	-0.17	2.1 ***	-0.27	2.1 ***	-0.25
		2	Some	110	37	5,527	36	3,759	35	62,954	34							
		3	Quite a bit	39	14	3,110	19	2,386	22	38,318	21							
		4	Very much	17	7	1,594	10	1,271	12	21,871	12							
		Total		282	100	15,702	100	10,926	100	182,533	100							
h. Attending campus activities and events (performing arts, athletic events, etc.)	SEactivities	1	Very little	16	7	2,578	15	1,407	14	29,384	17	<b>2.8</b>	2.6 **	.17	2.7 *	.11	2.6 ***	.19
		2	Some	85	30	4,699	30	3,086	28	52,096	29							
		3	Quite a bit	121	44	5,365	35	4,016	36	62,005	33							
		4	Very much	60	20	3,038	20	2,400	22	38,778	21							
		Total		282	100	15,680	100	10,909	100	182,263	100							
i. Attending events that address important social, economic, or political issues	SEevents	1	Very little	64	24	3,568	22	2,154	20	40,690	24	<b>2.2</b>	2.3 *	-0.14	2.4 ***	-0.23	2.3 *	-0.14
		2	Some	125	45	5,901	39	4,000	36	65,726	36							
		3	Quite a bit	68	23	4,221	27	3,138	29	50,145	27							
		4	Very much	24	9	1,984	12	1,616	15	25,735	14							
		Total		281	100	15,674	100	10,908	100	182,296	100							

#### 15. To what extent do you agree or disagree with the following statements?

a. I feel comfortable being myself at this institution.	sbmyself	1	Strongly disagree	7	3	412	3	304	3	5,005	3	<b>3.2</b>	3.3	-0.02	3.3	-0.03	3.3	-0.03
		2	Disagree	19	7	1,111	7	825	8	13,888	8							
		3	Agree	145	51	7,810	50	5,436	49	89,811	49							
		4	Strongly agree	108	38	6,334	39	4,339	41	73,727	41							
		Total		279	100	15,667	100	10,904	100	182,431	100							

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# NSSE 2023 Frequencies and Statistical Comparisons

## Northern Michigan University

### Seniors

#### Frequency Distributions<sup>a</sup>

#### Statistical Comparisons<sup>b</sup>

*Your seniors compared with*

Item wording or description	Variable name <sup>c</sup>	Values <sup>d</sup>	Response options	NMU		Great Lakes Public		Carnegie Class		NSSE 2022 & 2023		NMU Mean	Great Lakes Public		Carnegie Class		NSSE 2022 & 2023	
				Count	%	Count	%	Count	%	Count	%		Mean	Effect size <sup>e</sup>	Mean	Effect size <sup>e</sup>	Mean	Effect size <sup>e</sup>
b. I feel valued by this institution.	sbvalued	1	Strongly disagree	24	9	1,153	8	648	6	12,480	7	<b>2.7</b>	2.8	-.12	3.0 ***	-.25	2.9 **	-.20
		2	Disagree	72	25	3,095	21	1,938	18	33,827	19							
		3	Agree	131	46	7,855	50	5,494	50	89,980	49							
		4	Strongly agree	52	19	3,566	22	2,807	26	46,026	25							
		Total		279	100	15,669	100	10,887	100	182,313	100							
c. I feel like part of the community at this institution.	sbcommunity	1	Strongly disagree	15	7	951	7	612	6	10,865	7	<b>2.9</b>	2.9	.01	3.0	-.06	2.9	-.03
		2	Disagree	54	18	3,025	19	1,946	18	33,654	19							
		3	Agree	142	52	7,871	50	5,453	50	90,229	49							
		4	Strongly agree	67	23	3,826	24	2,897	27	47,742	26							
		Total		278	100	15,673	100	10,908	100	182,490	100							
<b>16. About how many hours do you spend in a typical 7-day week doing the following?</b>																		
a. Preparing for class (studying, reading, writing, doing homework or lab work, analyzing data, rehearsing, and other academic activities)	tmprephrs <i>(Recorded version of tmprep created by NSSE. Values are estimated number of hours per week.)</i>	0	0 hrs	0	0	69	0	45	0	774	0	<b>14.7</b>	15.8 *	-.12	15.2	-.06	15.7	-.11
		3	1-5 hrs	28	11	1,725	11	1,308	12	20,310	11							
		8	6-10 hrs	76	28	3,372	21	2,392	22	39,185	21							
		13	11-15 hrs	51	18	3,205	20	2,224	20	37,375	20							
		18	16-20 hrs	56	22	3,011	19	2,044	19	34,870	19							
		23	21-25 hrs	31	10	1,850	12	1,266	11	21,338	12							
		28	26-30 hrs	21	7	1,098	7	723	7	12,270	7							
		33	More than 30 hrs	16	5	1,315	9	880	8	15,840	9							
		Total		279	100	15,645	100	10,882	100	181,962	100							

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

# NSSE 2023 Frequencies and Statistical Comparisons

## Northern Michigan University

### Seniors

#### Frequency Distributions<sup>a</sup>

#### Statistical Comparisons<sup>b</sup>

*Your seniors compared with*

Item wording or description	Variable name <sup>c</sup>	Values <sup>d</sup>	Response options	Frequency Distributions <sup>a</sup>				Statistical Comparisons <sup>b</sup>										
				NMU		Great Lakes Public		Carnegie Class		NSSE 2022 & 2023		Your seniors compared with						
				Count	%	Count	%	Count	%	Count	%	Mean	Mean	Effect size <sup>e</sup>	Mean	Effect size <sup>e</sup>	Mean	Effect size <sup>e</sup>
b. Participating in co-curricular activities (organizations, campus publications, student government, fraternity or sorority, intercollegiate or intramural sports, etc.)	tmcoocurrhrs	0	0 hrs	104	38	7,167	43	4,372	42	78,606	45	<b>5.1</b>	4.7	.06	5.4	-.04	5.0	.02
	(Recorded version of tmcoocurr created by NSSE. Values are estimated number of hours per week.)	3	1-5 hrs	97	33	4,355	29	3,032	27	47,510	25							
	8	6-10 hrs	32	12	1,809	13	1,361	12	22,614	12								
	13	11-15 hrs	12	4	1,033	7	808	7	14,100	8								
	18	16-20 hrs	23	9	603	4	594	5	8,959	5								
	23	21-25 hrs	5	2	312	2	308	3	4,672	2								
	28	26-30 hrs	2	1	110	1	146	1	2,116	1								
	33	More than 30 hrs	4	1	231	1	237	2	3,073	2								
	Total			279	100	15,620	100	10,858	100	181,650	100							
c. Working for pay on campus	tmworkonhrs	0	0 hrs	154	57	11,714	73	7,630	72	131,026	74	<b>6.3</b>	3.5 ***	.39	3.3 ***	.46	3.3 ***	.44
	(Recorded version of tmworkon created by NSSE. Values are estimated number of hours per week.)	3	1-5 hrs	14	5	566	4	758	6	9,229	4							
	8	6-10 hrs	16	5	1,048	7	1,046	9	14,301	7								
	13	11-15 hrs	37	13	905	6	602	5	10,874	6								
	18	16-20 hrs	39	13	757	5	481	4	10,116	5								
	23	21-25 hrs	15	5	370	2	175	2	3,126	2								
	28	26-30 hrs	2	1	124	1	68	1	1,183	1								
	33	More than 30 hrs	4	1	147	1	102	1	1,867	1								
	Total			281	100	15,631	100	10,862	100	181,722	100							
d. Working for pay off campus	tmworkoffhrs	0	0 hrs	133	49	5,682	40	4,262	39	72,724	40	<b>9.9</b>	12.5 ***	-.21	13.0 ***	-.24	13.0 ***	-.24
	(Recorded version of tmworkoff created by NSSE. Values are estimated number of hours per week.)	3	1-5 hrs	14	5	737	5	600	5	9,025	5							
	8	6-10 hrs	14	5	1,049	7	768	7	12,225	6								
	13	11-15 hrs	22	8	1,225	8	868	8	13,474	7								
	18	16-20 hrs	31	9	1,644	10	1,060	10	17,049	9								
	23	21-25 hrs	26	10	1,405	8	804	7	13,409	7								
	28	26-30 hrs	15	5	955	6	605	5	9,927	5								
	33	More than 30 hrs	23	9	2,946	17	1,899	19	33,951	20								
	Total			278	100	15,643	100	10,866	100	181,784	100							
Estimated number of hours working for pay	tmworkhrs											<b>16.2</b>	16.1	.01	16.2	.00	16.3	-.01

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

# NSSE 2023 Frequencies and Statistical Comparisons

## Northern Michigan University

### Seniors

#### Frequency Distributions<sup>a</sup>

#### Statistical Comparisons<sup>b</sup>

*Your seniors compared with*

Item wording or description	Variable name <sup>c</sup>	Values <sup>d</sup>	Response options	Frequency Distributions <sup>a</sup>								Statistical Comparisons <sup>b</sup>						
				NMU		Great Lakes Public		Carnegie Class		NSSE 2022 & 2023		NMU	Great Lakes Public	Carnegie Class	NSSE 2022 & 2023			
				Count	%	Count	%	Count	%	Count	%	Mean	Mean	Effect size <sup>e</sup>	Mean	Effect size <sup>e</sup>	Mean	Effect size <sup>e</sup>
e. Doing community service or volunteer work	tmservicehrs	0	0 hrs	162	60	8,989	58	5,988	56	100,656	56	<b>2.3</b>	2.5	-.05	2.9	-.12	2.9 *	-.12
	(Recorded version of tmservice created by NSSE. Values are estimated number of hours per week.)	3	1-5 hrs	86	30	4,622	29	3,287	29	52,984	28							
	8	6-10 hrs	14	4	991	6	738	7	13,288	7								
	13	11-15 hrs	5	2	465	3	396	4	6,747	4								
	18	16-20 hrs	6	2	266	2	206	2	3,781	2								
	23	21-25 hrs	2	1	114	1	99	1	1,784	1								
	28	26-30 hrs	1	0	53	0	48	0	837	0								
	33	More than 30 hrs	2	1	121	1	97	1	1,581	1								
	Total			278	100	15,621	100	10,859	100	181,658	100							
f. Relaxing and socializing (time with friends, video games, TV or videos, keeping up with friends online, etc.)	tmrelaxhrs	0	0 hrs	4	1	429	3	324	3	5,826	3	<b>12.2</b>	12.0	.02	11.1 *	.12	11.1 *	.13
	(Recorded version of tmrelax created by NSSE. Values are estimated number of hours per week.)	3	1-5 hrs	57	22	3,641	21	2,778	25	46,307	25							
	8	6-10 hrs	83	29	4,464	28	3,058	27	51,177	28								
	13	11-15 hrs	60	21	3,035	20	2,123	20	35,051	19								
	18	16-20 hrs	26	10	2,006	14	1,326	12	22,052	12								
	23	21-25 hrs	22	8	837	6	527	5	8,972	5								
	28	26-30 hrs	5	2	435	3	252	2	4,224	2								
	33	More than 30 hrs	19	7	784	6	473	5	8,083	5								
	Total			276	100	15,631	100	10,861	100	181,692	100							
g. Providing care for dependents (children, parents, etc.)	tmcarehrs	0	0 hrs	238	83	10,727	71	7,225	66	117,739	64	<b>2.2</b>	4.7 ***	-.25	5.9 ***	-.34	6.1 ***	-.36
	(Recorded version of tmcare created by NSSE. Values are estimated number of hours per week.)	3	1-5 hrs	19	6	1,451	9	1,102	10	18,542	10							
	8	6-10 hrs	8	4	693	4	512	5	9,447	5								
	13	11-15 hrs	2	1	502	3	339	3	6,620	4								
	18	16-20 hrs	3	1	360	2	253	2	4,969	3								
	23	21-25 hrs	0	0	172	1	138	1	2,677	2								
	28	26-30 hrs	0	0	148	1	127	1	2,102	1								
	33	More than 30 hrs	9	4	1,567	9	1,133	11	19,424	11								
	Total			279	100	15,620	100	10,829	100	181,520	100							

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

# NSSE 2023 Frequencies and Statistical Comparisons

## Northern Michigan University

### Seniors

#### Frequency Distributions<sup>a</sup>

#### Statistical Comparisons<sup>b</sup>

*Your seniors compared with*

Item wording or description	Variable name <sup>c</sup>	Values <sup>d</sup>	Response options	Frequency Distributions <sup>a</sup>								Statistical Comparisons <sup>b</sup>													
				NMU		Great Lakes Public		Carnegie Class		NSSE 2022 & 2023		NMU	Great Lakes Public	Carnegie Class	NSSE 2022 & 2023										
				Count	%	Count	%	Count	%	Count	%	Mean	Mean	Effect size <sup>e</sup>	Mean	Effect size <sup>e</sup>	Mean	Effect size <sup>e</sup>							
h. Commuting to campus (driving, walking, etc.)	tmcommutehrs (Recorded version of tmcommute created by NSSE. Values are estimated number of hours per week.)	0	0 hrs	53	19	3,852	22	3,289	30	51,254	28	<b>3.9</b>	4.3	-0.08	4.4	-0.08	4.5 *	-0.10							
		3	1-5 hrs	176	63	8,246	54	5,060	47	85,163	46														
		8	6-10 hrs	32	11	2,240	15	1,449	13	26,256	15														
		13	11-15 hrs	10	4	684	5	497	5	9,542	5														
		18	16-20 hrs	3	1	285	2	228	2	4,248	2														
		23	21-25 hrs	0	0	126	1	125	1	2,049	1														
		28	26-30 hrs	1	0	61	0	62	1	971	1														
		33	More than 30 hrs	3	1	147	1	144	1	2,292	1														
	Total	278	100	15,641	100	10,854	100	181,775	100																
<b>17. Of the time you spend preparing for class in a typical 7-day week, about how much is on assigned reading?</b>																									
reading	tmreadinghrs	1	Very little	56	20	2,738	19	1,414	13	25,963	15	<b>2.5</b>	2.6	-0.05	2.8 ***	-0.22	2.8 **	-0.19							
		2	Some	91	33	5,068	33	3,272	30	54,085	30														
		3	About half	67	24	4,111	25	3,129	29	49,588	27														
		4	Most	46	16	2,587	16	2,142	20	35,750	19														
		5	Almost all	17	6	1,083	7	865	8	15,690	8														
			Total	277	100	15,587	100	10,822	100	181,076	100														
	tmreadinghrscol										<b>5.9</b>	6.6 *	-0.11	7.2 ***	-0.19	7.2 ***	-0.20								
<i>(Continuous variable created by NSSE. Calculated as a proportion of tmprephrs based on reading, where Very little=.10; Some=.25; About half=.50; Most=.75; Almost all=.90)</i>																									
1	0 hrs	0	0	68	0	43	0	755	0																
2	More than zero, up to 5 hrs	151	55	8,014	52	5,121	48	85,640	48																
3	More than 5, up to 10 hrs	80	30	4,294	28	3,152	29	51,805	28																
4	More than 10, up to 15 hrs	27	9	1,486	9	1,130	10	19,132	10																
5	More than 15, up to 20 hrs	13	4	858	5	659	6	11,308	6																
6	More than 20, up to 25 hrs	1	1	553	3	464	4	7,913	4																
7	More than 25 hrs	5	2	252	2	218	2	3,890	2																
	Total	277	100	15,525	100	10,787	100	180,443	100																

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

# NSSE 2023 Frequencies and Statistical Comparisons

## Northern Michigan University

### Seniors

#### Frequency Distributions<sup>a</sup>

#### Statistical Comparisons<sup>b</sup>

*Your seniors compared with*

Item wording or description	Variable name <sup>c</sup>	Values <sup>d</sup>	Response options	NMU		Great Lakes Public		Carnegie Class		NSSE 2022 & 2023		NMU	Your seniors compared with					
				Count	%	Count	%	Count	%	Count	%		Mean	Mean	Effect size <sup>e</sup>	Mean	Effect size <sup>e</sup>	Mean
<b>18. How much has your experience at this institution contributed to your knowledge, skills, and personal development in the following areas?</b>																		
a. Writing clearly and effectively	pgwrite	1	Very little	21	7	801	6	476	5	8,771	5	<b>2.9</b>	3.0	-.07	3.0 **	-.17	3.0 *	-.15
		2	Some	59	21	3,478	23	2,196	20	36,673	21							
		3	Quite a bit	125	44	6,136	39	4,366	40	71,031	39							
		4	Very much	72	27	5,163	32	3,786	35	64,896	35							
		Total		277	100	15,578	100	10,824	100	181,371	100							
b. Speaking clearly and effectively	pgspeak	1	Very little	26	9	1,201	8	625	6	12,337	8	<b>2.8</b>	2.9	-.03	3.0 **	-.17	2.9	-.11
		2	Some	69	24	3,903	26	2,382	22	41,386	23							
		3	Quite a bit	113	41	5,774	36	4,244	39	68,302	37							
		4	Very much	69	26	4,702	29	3,566	33	59,175	32							
		Total		277	100	15,580	100	10,817	100	181,200	100							
c. Thinking critically and analytically	pgthink	1	Very little	3	1	383	3	229	3	4,016	3	<b>3.3</b>	3.3	-.02	3.3	-.02	3.3	-.03
		2	Some	39	14	1,961	13	1,325	12	22,298	13							
		3	Quite a bit	118	42	5,850	37	4,187	38	68,011	37							
		4	Very much	116	44	7,391	47	5,084	47	86,895	47							
		Total		276	100	15,585	100	10,825	100	181,220	100							
d. Analyzing numerical and statistical information	pganalyze	1	Very little	29	10	1,454	9	1,027	9	15,916	9	<b>2.8</b>	2.9	-.07	2.9	-.02	2.9	-.08
		2	Some	75	26	3,969	25	2,871	26	44,450	24							
		3	Quite a bit	93	33	5,200	34	3,593	33	61,164	34							
		4	Very much	79	31	4,949	33	3,332	31	59,660	34							
		Total		276	100	15,572	100	10,823	100	181,190	100							
e. Acquiring job- or work-related knowledge and skills	pgwork	1	Very little	25	10	1,170	8	732	7	13,887	8	<b>2.9</b>	3.0	-.10	3.0 *	-.16	3.0	-.10
		2	Some	63	22	3,406	23	2,338	22	40,737	23							
		3	Quite a bit	111	42	5,430	34	3,760	34	62,622	34							
		4	Very much	78	27	5,580	35	3,984	37	63,991	35							
		Total		277	100	15,586	100	10,814	100	181,237	100							
f. Working effectively with others	pgothers	1	Very little	14	5	758	5	422	4	8,830	6	<b>3.0</b>	3.1	-.09	3.1 *	-.14	3.0	-.08
		2	Some	63	24	3,060	20	1,987	19	35,812	21							
		3	Quite a bit	114	40	5,975	39	4,333	40	69,331	38							
		4	Very much	86	32	5,784	36	4,071	37	67,184	36							
		Total		277	100	15,577	100	10,813	100	181,157	100							

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



# NSSE 2023 Frequencies and Statistical Comparisons

## Northern Michigan University

### Seniors

#### Frequency Distributions<sup>a</sup>

#### Statistical Comparisons<sup>b</sup>

*Your seniors compared with*

Item wording or description	Variable name <sup>c</sup>	Values <sup>d</sup>	Response options	NMU		Great Lakes Public		Carnegie Class		NSSE 2022 & 2023		NMU	Great Lakes Public		Carnegie Class		NSSE 2022 & 2023		
				Count	%	Count	%	Count	%	Count	%		Mean	Effect size <sup>e</sup>	Mean	Effect size <sup>e</sup>	Mean	Effect size <sup>e</sup>	
g. Developing or clarifying a personal code of values and ethics	pgvalues	1	Very little	33	13	1,657	12	854	9	16,857	11	2.7	2.8	-0.12	2.9 ***	-0.28	2.9 **	-0.19	
		2	Some	80	28	3,855	26	2,418	23	42,280	24								
		3	Quite a bit	103	37	5,363	34	3,866	35	63,281	34								
		4	Very much	60	22	4,704	28	3,678	34	58,661	31								
		Total		276	100	15,579	100	10,816	100	181,079	100								
h. Understanding people of other backgrounds (economic, racial/ethnic, political, religious, nationality, etc.)	pgdiverse	1	Very little	35	13	1,316	9	842	8	14,756	9	2.6	2.9 ***	-0.26	2.9 ***	-0.33	2.9 ***	-0.29	
		2	Some	88	33	3,872	25	2,566	24	43,261	24								
		3	Quite a bit	91	32	5,405	35	3,809	35	63,325	34								
		4	Very much	62	21	4,983	31	3,591	33	59,789	32								
		Total		276	100	15,576	100	10,808	100	181,131	100								
i. Solving complex real-world problems	pgprobolve	1	Very little	24	9	1,302	9	863	8	14,565	9	2.7	2.9 *	-0.14	2.9 *	-0.16	2.9 *	-0.15	
		2	Some	85	31	3,977	25	2,734	26	45,495	25								
		3	Quite a bit	106	37	5,597	36	3,931	36	64,989	35								
		4	Very much	62	23	4,695	30	3,282	30	56,162	31								
		Total		277	100	15,571	100	10,810	100	181,211	100								
j. Being an informed and active citizen	pgcitizen	1	Very little	36	15	1,880	13	1,089	11	20,437	12	2.6	2.7	-0.10	2.8 **	-0.19	2.8 *	-0.14	
		2	Some	90	31	4,509	29	3,005	28	50,322	28								
		3	Quite a bit	89	33	5,102	33	3,657	33	59,885	32								
		4	Very much	61	21	4,122	25	3,079	28	50,759	28								
		Total		276	100	15,613	100	10,830	100	181,403	100								
<b>19. How would you evaluate your entire educational experience at this institution?</b>																			
	evalexp	1	Poor	10	4	495	4	318	3	5,334	3	3.1	3.2	-0.10	3.2 *	-0.12	3.2 *	-0.13	
		2	Fair	38	14	2,212	14	1,478	14	24,752	14								
		3	Good	150	54	7,222	46	4,993	46	81,090	44								
		4	Excellent	80	29	5,690	37	4,057	37	70,675	39								
		Total		278	100	15,619	100	10,846	100	181,851	100								
<b>20. If you could start over again, would you go to the same institution you are now attending?</b>																			
	sameinst	1	Definitely no	14	5	773	5	630	6	9,389	5	3.1	3.2	-0.06	3.1	.00	3.2	-0.05	
		2	Probably no	34	12	2,049	13	1,558	14	24,655	13								
		3	Probably yes	130	47	6,472	41	4,488	41	73,777	40								
		4	Definitely yes	101	36	6,396	41	4,216	39	74,736	41								
		Total		279	100	15,690	100	10,892	100	182,557	100								

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

# NSSE 2023 Frequencies and Statistical Comparisons

## Detailed Statistics<sup>g</sup>

### Northern Michigan University

#### First-Year Students

Variable Name	N		Mean			Standard error <sup>h</sup>				Standard deviation <sup>i</sup>				Degrees of freedom <sup>j</sup>			Significance <sup>k</sup>			Effect size <sup>e</sup>		
	MMU	MMU	Great Lakes Public	Carnegie Class	NSSE 2022 & 2023	MMU	Great Lakes Public	Carnegie Class	NSSE 2022 & 2023	MMU	Great Lakes Public	Carnegie Class	NSSE 2022 & 2023	Comparisons with:			Comparisons with:			Comparisons with:		
														Great Lakes Public	Carnegie Class	NSSE 2022 & 2023	Great Lakes Public	Carnegie Class	NSSE 2022 & 2023	Great Lakes Public	Carnegie Class	NSSE 2022 & 2023
1 a. askquest	161	2.65	2.77	2.79	2.78	.070	.006	.007	.002	.89	.83	.83	.85	22,001	12,662	213,479	.061	.033	.051	-.15	-.17	-.15
b. CLaskhelp	162	2.41	2.49	2.46	2.45	.067	.006	.008	.002	.86	.90	.88	.92	21,928	12,577	212,592	.256	.452	.587	-.09	-.06	-.04
c. CLexplain	162	2.51	2.59	2.55	2.52	.060	.006	.008	.002	.76	.85	.84	.89	164	166	161	.190	.432	.824	-.09	-.06	-.02
d. CLstudy	160	2.26	2.32	2.33	2.33	.076	.007	.009	.002	.96	.97	.96	.98	21,732	12,454	210,592	.409	.318	.324	-.07	-.08	-.08
e. CLproject	161	2.53	2.59	2.58	2.54	.064	.006	.008	.002	.81	.87	.86	.91	21,579	12,384	160	.455	.516	.958	-.06	-.05	.00
f. present	161	2.35	2.17	2.26	2.20	.066	.006	.008	.002	.83	.87	.88	.90	21,538	12,332	208,671	.008	.195	.034	.21	.10	.17
2 a. RIntegrate	158	2.61	2.64	2.60	2.60	.065	.006	.008	.002	.82	.84	.85	.87	21,146	12,090	205,104	.648	.832	.862	-.04	.02	.01
b. RSocietal	158	2.70	2.59	2.58	2.60	.071	.006	.008	.002	.89	.88	.88	.89	20,913	11,957	202,886	.113	.079	.174	.13	.14	.11
c. RIdiverse	156	2.68	2.63	2.63	2.63	.073	.006	.008	.002	.91	.90	.90	.91	20,676	11,840	200,577	.457	.463	.513	.06	.06	.05
d. Rlownview	153	2.76	2.79	2.77	2.80	.059	.006	.008	.002	.73	.81	.81	.81	20,409	11,630	197,619	.722	.894	.567	-.03	-.01	-.05
e. Rlperspect	145	2.87	2.91	2.91	2.93	.063	.006	.007	.002	.76	.78	.79	.79	19,994	11,364	193,777	.515	.547	.383	-.05	-.05	-.07
f. Rlnewview	140	2.84	2.86	2.84	2.87	.062	.006	.008	.002	.74	.79	.80	.80	19,572	11,079	190,118	.815	.978	.636	-.02	.00	-.04
g. Rlconnect	139	3.02	3.07	3.02	3.06	.059	.005	.007	.002	.70	.73	.76	.75	19,285	10,907	187,419	.394	.974	.521	-.07	.00	-.05
3 a. SFcareer	138	2.32	2.33	2.35	2.30	.076	.007	.009	.002	.89	.93	.93	.94	19,235	10,891	187,126	.844	.659	.850	-.02	-.04	.02
b. SFotherwork	135	1.81	1.82	1.88	1.83	.077	.007	.009	.002	.90	.94	.95	.95	19,133	10,826	186,036	.862	.373	.781	-.02	-.08	-.02
c. SFdiscuss	133	1.98	2.02	2.08	2.03	.073	.007	.009	.002	.84	.91	.92	.93	18,932	136	183,730	.662	.195	.545	-.04	-.10	-.05
d. SFperform	134	2.18	2.11	2.21	2.16	.070	.007	.009	.002	.82	.90	.89	.91	18,906	10,657	183,631	.313	.763	.774	.09	-.03	.02
4 a. memorize	132	2.87	2.90	2.87	2.89	.060	.006	.008	.002	.69	.81	.82	.82	133	135	131	.676	.962	.734	-.03	.00	-.02
b. HOapply	132	2.73	2.93	2.85	2.91	.067	.006	.008	.002	.76	.79	.81	.81	18,599	10,443	180,662	.003	.096	.011	-.26	-.15	-.22
c. HOanalyze	128	2.81	2.90	2.86	2.91	.067	.006	.008	.002	.76	.81	.82	.81	18,365	10,285	178,265	.227	.508	.177	-.11	-.06	-.12
d. HOevaluate	127	2.87	2.87	2.89	2.91	.069	.006	.008	.002	.78	.81	.80	.81	18,242	10,178	177,022	.997	.748	.549	.00	-.03	-.05
e. HOform	126	2.82	2.90	2.88	2.92	.067	.006	.008	.002	.75	.79	.80	.80	18,154	10,109	175,970	.302	.448	.180	-.09	-.07	-.12
5 a. ETgoals	126	2.91	3.05	3.03	3.05	.063	.006	.008	.002	.71	.75	.78	.79	17,964	10,036	174,658	.029	.077	.037	-.20	-.16	-.19
b. ETorganize	125	2.81	2.97	2.95	2.97	.077	.006	.008	.002	.86	.81	.83	.84	17,932	10,001	173,914	.028	.068	.034	-.20	-.16	-.19
c. ETexample	126	2.93	3.02	2.99	3.00	.068	.006	.008	.002	.77	.80	.82	.83	17,881	9,971	173,542	.225	.402	.364	-.11	-.08	-.08
d. ETdraftfb	126	2.79	2.79	2.84	2.83	.076	.007	.009	.002	.85	.90	.90	.91	17,825	9,933	173,044	.989	.599	.658	.00	-.05	-.04
e. ETfeedback	125	2.56	2.69	2.73	2.74	.077	.007	.009	.002	.86	.89	.88	.91	17,702	9,865	172,004	.088	.029	.024	-.15	-.20	-.20
f. etcriteria	122	2.92	2.98	2.97	2.99	.064	.006	.008	.002	.71	.81	.83	.83	17,589	9,782	170,906	.455	.570	.385	-.07	-.05	-.08
g. etreview	121	2.80	2.97	2.95	2.98	.070	.006	.008	.002	.77	.79	.80	.80	17,525	9,753	170,315	.018	.041	.014	-.22	-.19	-.22
h. etprefer	121	2.54	2.63	2.63	2.66	.079	.006	.009	.002	.87	.85	.86	.87	17,486	9,708	169,873	.264	.250	.127	-.10	-.11	-.14
i. etdemonstrate	120	3.14	3.11	3.07	3.08	.064	.006	.008	.002	.70	.78	.80	.80	17,441	9,699	169,470	.678	.364	.459	.04	.08	.07

# NSSE 2023 Frequencies and Statistical Comparisons

## Detailed Statistics<sup>g</sup>

### Northern Michigan University

#### First-Year Students

Variable Name	N		Mean			Standard error <sup>h</sup>				Standard deviation <sup>i</sup>				Degrees of freedom <sup>j</sup>			Significance <sup>k</sup>			Effect size <sup>e</sup>		
	MMU	MMU	Great Lakes Public	Carnegie Class	NSSE 2022 & 2023	MMU	Great Lakes Public	Carnegie Class	NSSE 2022 & 2023	MMU	Great Lakes Public	Carnegie Class	NSSE 2022 & 2023	Comparisons with:			Comparisons with:			Comparisons with:		
														Great Lakes Public	Carnegie Class	NSSE 2022 & 2023	Great Lakes Public	Carnegie Class	NSSE 2022 & 2023	Great Lakes Public	Carnegie Class	NSSE 2022 & 2023
6 a. QRconclude	117	2.52	2.63	2.57	2.62	.073	.007	.009	.002	.79	.86	.87	.87	17,106	9,506	166,309	.164	.539	.214	-.13	-.06	-.11
b. QRproblem	115	2.32	2.40	2.36	2.41	.087	.007	.009	.002	.93	.91	.90	.92	17,020	9,440	165,371	.350	.702	.332	-.09	-.04	-.09
c. QRevaluate	117	2.19	2.40	2.33	2.39	.070	.007	.009	.002	.76	.87	.88	.90	118	120	116	.005	.060	.006	-.23	-.15	-.22
7 a. wrshortnum	117	6.72	6.46	6.72	6.51	.576	.045	.061	.014	6.23	5.77	5.85	5.78	16,884	9,372	164,051	.624	.998	.687	.05	.00	.04
b. wrmednum	116	2.21	2.19	2.42	2.45	.347	.027	.039	.009	3.73	3.48	3.70	3.74	16,822	9,309	163,244	.970	.541	.483	.00	-.06	-.07
c. wrlongnum	116	1.03	.99	1.14	1.17	.301	.024	.035	.008	3.25	3.06	3.36	3.37	16,848	9,324	163,369	.880	.733	.648	.01	-.03	-.04
— wrpages	116	53.26	51.38	56.20	56.23	7.775	.596	.870	.207	83.63	76.89	83.16	83.53	16,748	9,254	162,276	.794	.705	.702	.02	-.04	-.04
8 a. DDrace	117	2.61	2.98	2.93	2.99	.077	.007	.010	.002	.83	.88	.91	.92	16,818	9,326	163,303	.000	.000	.000	-.41	-.34	-.41
b. DDeconomic	117	2.93	2.99	2.95	2.97	.078	.007	.009	.002	.85	.85	.88	.89	16,769	9,297	162,899	.448	.792	.623	-.07	-.02	-.05
c. DDreligion	117	2.85	2.92	2.83	2.88	.075	.007	.010	.002	.81	.91	.93	.94	16,767	120	116	.392	.776	.673	-.08	.02	-.03
d. DDpolitical	117	2.83	2.85	2.78	2.77	.078	.007	.010	.002	.84	.91	.94	.95	16,734	120	116	.788	.494	.452	-.02	.06	.06
e. ddsexorient	115	3.02	2.88	2.79	2.81	.078	.007	.010	.002	.84	.94	.99	.98	116	118	114	.079	.003	.009	.15	.24	.21
f. ddcountry	115	2.30	2.58	2.55	2.62	.077	.007	.010	.002	.83	.95	.97	.97	116	118	114	.001	.002	.000	-.29	-.26	-.33
9 a. LSreading	112	2.84	2.94	2.92	2.97	.066	.006	.008	.002	.70	.77	.78	.78	16,633	9,209	161,503	.171	.251	.083	-.13	-.11	-.16
b. LSnotes	110	2.78	2.89	2.87	2.90	.086	.007	.009	.002	.90	.87	.88	.88	16,641	9,210	161,423	.199	.268	.147	-.12	-.11	-.14
c. LSsummary	110	2.76	2.83	2.82	2.85	.078	.007	.009	.002	.82	.85	.86	.85	16,618	9,182	161,347	.416	.506	.272	-.08	-.06	-.10
10 challenge	112	5.04	5.32	5.31	5.36	.126	.009	.013	.003	1.34	1.20	1.24	1.25	16,533	9,105	160,247	.014	.024	.008	-.23	-.21	-.25
11 a. intern <sup>l</sup>	111	9%	8%	9%	8%	.028	.002	.003	.001	--	--	--	--	--	--	--	.545	.785	.510	.06	.03	.06
b. leader <sup>l</sup>	109	14%	10%	11%	10%	.033	.002	.003	.001	--	--	--	--	--	--	--	.206	.279	.231	.11	.10	.11
c. learncom <sup>l</sup>	109	9%	17%	11%	11%	.028	.003	.003	.001	--	--	--	--	--	--	--	.030	.593	.493	-.23	-.05	-.07
d. abroad <sup>l</sup>	109	5%	3%	3%	3%	.021	.001	.002	.000	--	--	--	--	--	--	--	.177	.186	.174	.11	.11	.11
e. research <sup>l</sup>	109	6%	5%	6%	5%	.022	.002	.002	.001	--	--	--	--	--	--	--	.955	.985	.922	.01	.00	.01
f. capstone <sup>l</sup>	109	2%	2%	2%	2%	.013	.001	.002	.000	--	--	--	--	--	--	--	.926	.876	.806	-.01	-.02	-.02
12 servcourse	109	1.55	1.60	1.70	1.64	.071	.006	.008	.002	.74	.71	.73	.72	16,263	8,931	157,282	.401	.027	.164	-.08	-.21	-.13
13 a. Qlstudent	106	5.34	5.38	5.35	5.37	.117	.010	.015	.004	1.21	1.31	1.37	1.37	16,100	8,821	153,261	.785	.965	.816	-.03	.00	-.02
b. Qladvisor	107	5.87	5.45	5.43	5.40	.128	.012	.017	.004	1.32	1.53	1.58	1.58	108	110	106	.001	.001	.000	.28	.28	.30
c. Qlfaculty	107	5.48	5.38	5.41	5.41	.111	.010	.015	.003	1.15	1.28	1.36	1.35	16,047	8,782	154,717	.397	.597	.596	.08	.05	.05
d. Qlstaff	99	5.18	5.17	5.19	5.16	.145	.013	.017	.004	1.45	1.53	1.55	1.58	14,415	8,030	139,098	.910	.986	.896	.01	.00	.01
e. Qladmin	101	5.05	5.14	5.20	5.15	.149	.013	.017	.004	1.49	1.51	1.55	1.58	14,466	8,327	143,500	.556	.341	.553	-.06	-.10	-.06

# NSSE 2023 Frequencies and Statistical Comparisons

## Detailed Statistics<sup>g</sup>

### Northern Michigan University

#### First-Year Students

Variable Name	N		Mean			Standard error <sup>h</sup>				Standard deviation <sup>i</sup>				Degrees of freedom <sup>j</sup>			Significance <sup>k</sup>			Effect size <sup>e</sup>		
	MMU	MMU	Great Lakes Public	Carnegie Class	NSSE 2022 & 2023	MMU	Great Lakes Public	Carnegie Class	NSSE 2022 & 2023	MMU	Great Lakes Public	Carnegie Class	NSSE 2022 & 2023	Comparisons with:			Comparisons with:			Comparisons with:		
														Great Lakes Public	Carnegie Class	NSSE 2022 & 2023	Great Lakes Public	Carnegie Class	NSSE 2022 & 2023	Great Lakes Public	Carnegie Class	NSSE 2022 & 2023
14 a. empstudy	107	2.80	3.03	3.01	3.05	.077	.006	.008	.002	.80	.75	.78	.76	16,195	8,874	156,731	.002	.006	.001	-.31	-.27	-.32
b. SEacademic	106	2.83	2.94	2.93	2.94	.066	.006	.009	.002	.68	.82	.84	.84	16,146	109	105	.160	.159	.096	-.14	-.11	-.13
c. SElearnsup	105	3.02	3.00	3.01	2.99	.079	.007	.010	.002	.81	.88	.90	.91	16,136	8,854	156,134	.841	.923	.797	.02	.01	.03
d. SEdiverse	106	2.55	2.73	2.69	2.72	.086	.007	.010	.002	.89	.93	.93	.94	16,103	8,847	155,912	.046	.139	.070	-.20	-.14	-.18
e. SEsocial	106	2.90	2.94	2.92	2.89	.080	.007	.009	.002	.82	.85	.87	.89	16,082	8,839	155,715	.650	.846	.945	-.04	-.02	.01
f. SEwellness	105	2.64	2.86	2.83	2.82	.083	.007	.010	.002	.85	.88	.90	.91	16,086	8,821	155,533	.011	.030	.037	-.25	-.21	-.20
g. SEonacad	105	2.07	2.24	2.26	2.28	.084	.007	.010	.002	.86	.94	.96	.97	106	107	104	.046	.032	.014	-.18	-.19	-.22
h. SEactivities	106	2.89	2.79	2.83	2.76	.080	.007	.010	.002	.82	.91	.91	.95	16,039	8,793	105	.287	.507	.100	.10	.06	.14
i. SEevents	106	2.42	2.42	2.46	2.41	.086	.007	.010	.002	.88	.93	.94	.96	16,044	8,797	155,126	.941	.631	.991	-.01	-.05	.00
15 a. sbmyself	105	3.16	3.19	3.18	3.20	.068	.005	.008	.002	.70	.68	.70	.69	16,004	8,779	155,084	.615	.770	.500	-.05	-.03	-.07
b. sbvalued	106	2.80	2.92	2.95	2.96	.074	.006	.008	.002	.76	.75	.74	.75	15,983	8,766	154,855	.100	.032	.027	-.16	-.21	-.22
c. sbcommunity	106	2.80	2.94	2.95	2.96	.073	.006	.008	.002	.75	.76	.77	.77	16,001	8,783	154,999	.054	.037	.027	-.19	-.20	-.22
16 a. tmprephrs	105	12.46	15.15	14.09	14.85	.788	.064	.087	.021	8.08	8.12	8.10	8.18	15,959	8,745	154,495	.001	.041	.003	-.33	-.20	-.29
b. tmcocurrhrs	105	5.33	5.12	5.66	5.43	.676	.052	.078	.018	6.93	6.56	7.23	7.05	15,952	8,707	154,144	.747	.638	.877	.03	-.05	-.02
c. tmworkonhrs	105	4.91	2.59	2.49	2.47	.772	.046	.062	.015	7.92	5.81	5.73	5.83	105	106	104	.003	.002	.002	.40	.42	.42
d. tmworkoffhrs	105	4.24	6.31	6.21	6.57	.816	.080	.106	.027	8.37	10.02	9.88	10.55	106	108	104	.013	.019	.005	-.21	-.20	-.22
— tmworkhrs	105	9.15	8.90	8.67	9.02	1.234	.092	.124	.031	12.66	11.58	11.48	12.07	15,926	8,694	153,828	.824	.668	.911	.02	.04	.01
e. tmservicehrs	105	2.11	2.11	2.19	2.23	.566	.036	.050	.012	5.81	4.50	4.62	4.70	15,956	8,727	154,181	.989	.864	.798	.00	-.02	-.02
f. tmrelaxhrs	105	14.85	13.14	12.33	12.32	.796	.067	.090	.022	8.17	8.42	8.40	8.45	15,959	8,737	154,176	.038	.002	.002	.20	.30	.30
g. tmcarehrs	105	1.66	2.28	2.63	3.32	.608	.051	.071	.020	6.24	6.39	6.61	7.84	15,931	107	104	.325	.117	.008	-.10	-.15	-.21
h. tmcommutehrs	105	4.12	3.84	3.95	3.93	.648	.044	.066	.015	6.65	5.53	6.10	5.98	15,977	8,717	154,199	.609	.776	.742	.05	.03	.03
17 reading	105	2.54	2.49	2.63	2.63	.115	.008	.012	.003	1.18	1.06	1.08	1.10	15,910	8,691	153,668	.628	.436	.418	.05	-.08	-.08
— tmreadinghrs	105	5.21	6.03	6.10	6.40	.550	.043	.060	.015	5.65	5.40	5.59	5.74	15,839	8,663	153,028	.119	.102	.033	-.15	-.16	-.21

# NSSE 2023 Frequencies and Statistical Comparisons

## Detailed Statistics<sup>g</sup>

### Northern Michigan University

#### First-Year Students

Variable Name	N		Mean			Standard error <sup>h</sup>				Standard deviation <sup>i</sup>				Degrees of freedom <sup>j</sup>			Significance <sup>k</sup>			Effect size <sup>e</sup>		
	NMU	NMU	Great Lakes Public	Carnegie Class	NSSE 2022 & 2023	NMU	Great Lakes Public	Carnegie Class	NSSE 2022 & 2023	NMU	Great Lakes Public	Carnegie Class	NSSE 2022 & 2023	Comparisons with:			Comparisons with:			Comparisons with:		
														Great Lakes Public	Carnegie Class	NSSE 2022 & 2023	Great Lakes Public	Carnegie Class	NSSE 2022 & 2023	Great Lakes Public	Carnegie Class	NSSE 2022 & 2023
18 a. pgwrite	105	2.89	2.74	2.80	2.82	.076	.007	.009	.002	.78	.88	.85	.87	105	8,664	153,647	.043	.265	.390	.18	.11	.08
b. pgspeak	104	2.46	2.62	2.68	2.69	.087	.007	.010	.002	.88	.92	.90	.92	15,891	8,658	153,384	.094	.014	.013	-.16	-.24	-.25
c. pgthink	104	2.92	3.06	3.03	3.08	.073	.006	.009	.002	.75	.79	.80	.80	15,888	8,665	153,423	.062	.144	.043	-.18	-.14	-.20
d. pganalyze	104	2.36	2.69	2.61	2.70	.082	.007	.010	.002	.84	.92	.94	.94	15,893	106	153,373	.000	.003	.000	-.36	-.27	-.36
e. pgwork	102	2.49	2.60	2.61	2.62	.088	.008	.010	.002	.89	.96	.94	.96	15,883	8,669	153,419	.233	.200	.156	-.12	-.13	-.14
f. pgothers	102	2.66	2.82	2.81	2.81	.078	.007	.009	.002	.79	.87	.86	.89	15,877	8,655	153,407	.066	.084	.086	-.18	-.17	-.17
g. pgvalues	102	2.57	2.66	2.70	2.71	.085	.007	.010	.002	.86	.93	.92	.93	15,864	8,647	153,258	.288	.130	.120	-.11	-.15	-.15
h. pgdiverse	102	2.47	2.81	2.79	2.82	.093	.007	.010	.002	.93	.91	.91	.92	15,882	8,665	153,351	.000	.000	.000	-.37	-.36	-.39
i. pgprobsolve	102	2.48	2.63	2.61	2.67	.085	.007	.010	.002	.86	.91	.92	.93	15,910	8,674	153,506	.087	.140	.039	-.17	-.15	-.21
j. pgcitizen	102	2.45	2.62	2.63	2.65	.089	.007	.010	.002	.90	.93	.92	.94	15,918	8,683	153,832	.066	.049	.032	-.18	-.20	-.21
19 evalexp	102	3.04	3.06	3.02	3.08	.055	.006	.008	.002	.56	.72	.75	.75	103	105	101	.753	.696	.469	-.02	.03	-.05
20 sameinst	101	3.06	3.16	3.09	3.15	.082	.006	.009	.002	.83	.78	.82	.80	16,073	8,769	155,122	.173	.667	.228	-.14	-.04	-.12
21 returnexp <sup>l</sup>	102	83%	89%	86%	88%	.0372	.0024	.0037	.0008	--	--	--	--	--	--	--	.040	.448	.150	-.18	-.07	-.13

IPEDS: 171456

# NSSE 2023 Frequencies and Statistical Comparisons

## Detailed Statistics<sup>B</sup>

### Northern Michigan University

#### Seniors

Variable Name	N		Mean			Standard error <sup>h</sup>				Standard deviation <sup>i</sup>				Degrees of freedom <sup>j</sup>			Significance <sup>k</sup>			Effect size <sup>e</sup>		
	MMU	MMU	Great Lakes Public	Carnegie Class	NSSE 2022 & 2023	MMU	Great Lakes Public	Carnegie Class	NSSE 2022 & 2023	MMU	Great Lakes Public	Carnegie Class	NSSE 2022 & 2023	Comparisons with:			Comparisons with:			Comparisons with:		
														Great Lakes Public	Carnegie Class	NSSE 2022 & 2023	Great Lakes Public	Carnegie Class	NSSE 2022 & 2023	Great Lakes Public	Carnegie Class	NSSE 2022 & 2023
1 a. askquest	355	3.06	3.05	3.14	3.04	.047	.005	.006	.002	.88	.87	.84	.88	34,731	17,451	327,426	.744	.068	.696	.02	-.10	.02
b. CLaskhelp	351	2.51	2.45	2.42	2.39	.047	.005	.007	.002	.88	.95	.94	.97	359	17,447	351	.218	.093	.015	.06	.09	.12
c. CLexplain	356	2.80	2.66	2.67	2.60	.044	.005	.007	.002	.84	.90	.91	.94	363	372	356	.001	.004	.000	.16	.14	.21
d. CLstudy	351	2.32	2.30	2.35	2.31	.053	.005	.008	.002	.99	1.01	1.02	1.03	34,386	17,337	323,726	.729	.559	.862	.02	-.03	.01
e. CLproject	351	2.88	2.86	2.80	2.75	.046	.005	.007	.002	.86	.92	.93	.98	358	367	351	.584	.066	.005	.03	.09	.13
f. present	351	2.70	2.56	2.68	2.57	.050	.005	.007	.002	.94	.94	.95	.97	34,194	17,220	321,723	.008	.795	.013	.14	.01	.13
2 a. RIntegrate	349	3.02	2.97	2.94	2.93	.047	.005	.007	.002	.88	.84	.86	.86	33,819	17,030	318,509	.302	.097	.049	.06	.09	.11
b. RIsocietal	347	2.85	2.81	2.87	2.82	.049	.005	.007	.002	.92	.93	.90	.92	33,585	16,930	316,524	.402	.730	.473	.05	-.02	.04
c. RIdiverse	346	2.62	2.68	2.75	2.68	.056	.005	.007	.002	1.04	.98	.94	.98	351	357	346	.289	.026	.292	-.06	-.13	-.06
d. Rlownview	343	2.88	2.85	2.91	2.88	.045	.005	.006	.002	.84	.84	.83	.84	32,932	16,661	311,450	.643	.503	.940	.03	-.04	.00
e. Rlperspect	338	3.01	2.99	3.02	3.00	.046	.005	.006	.001	.84	.81	.81	.82	32,447	16,448	307,412	.607	.838	.752	.03	-.01	.02
f. Rlnewview	334	2.99	2.97	2.98	2.99	.047	.005	.006	.001	.86	.80	.81	.80	339	345	333	.799	.949	.958	.01	.00	.00
g. Rlconnect	330	3.27	3.22	3.22	3.22	.041	.004	.006	.001	.75	.73	.74	.74	31,592	16,086	300,377	.271	.199	.221	.06	.07	.07
3 a. SFcareer	332	2.54	2.40	2.56	2.43	.058	.006	.008	.002	1.05	.99	.99	1.00	337	344	332	.018	.796	.055	.14	-.02	.11
b. SFotherwork	330	2.11	1.95	2.11	1.97	.059	.006	.008	.002	1.08	1.01	1.05	1.04	335	16,011	298,704	.006	.962	.013	.16	.00	.14
c. SFdiscuss	328	2.22	2.13	2.27	2.15	.052	.005	.008	.002	.95	.96	.98	.98	31,168	15,840	296,288	.087	.383	.177	.10	-.05	.07
d. SFperform	327	2.23	2.12	2.34	2.21	.052	.005	.008	.002	.94	.94	.95	.95	31,170	15,840	296,335	.040	.039	.704	.11	-.12	.02
4 a. memorize	321	2.83	2.73	2.77	2.75	.051	.005	.007	.002	.92	.90	.88	.90	30,984	15,715	294,359	.053	.210	.106	.11	.07	.09
b. HOapply	318	3.12	3.10	3.07	3.08	.046	.005	.006	.001	.81	.79	.80	.80	30,822	15,629	292,874	.614	.335	.376	.03	.05	.05
c. HOanalyze	318	3.04	3.04	3.05	3.05	.048	.005	.007	.002	.85	.82	.82	.82	30,489	15,487	290,094	.901	.824	.699	-.01	-.01	-.02
d. HOevaluate	318	2.92	2.92	3.00	2.98	.052	.005	.007	.002	.92	.88	.83	.86	30,303	328	318	.907	.106	.230	-.01	-.10	-.07
e. HOform	315	2.96	2.98	3.02	3.01	.047	.005	.007	.002	.84	.83	.81	.82	30,193	15,271	287,146	.718	.202	.276	-.02	-.07	-.06
5 a. ETgoals	315	3.16	3.14	3.15	3.15	.045	.005	.006	.001	.80	.78	.79	.79	29,987	15,173	285,386	.677	.855	.870	.02	.01	.01
b. ETorganize	315	3.05	3.06	3.08	3.06	.048	.005	.007	.002	.86	.83	.83	.84	29,918	15,132	284,578	.738	.531	.737	-.02	-.04	-.02
c. ETexample	315	3.21	3.11	3.10	3.09	.047	.005	.007	.002	.84	.83	.84	.85	29,845	15,094	284,038	.025	.017	.011	.13	.14	.14
d. ETdraftfb	315	2.84	2.82	2.92	2.85	.057	.006	.008	.002	1.02	.96	.94	.96	29,812	326	315	.597	.203	.922	.03	-.08	-.01
e. ETfeedback	314	2.85	2.81	2.90	2.85	.053	.005	.007	.002	.94	.91	.90	.92	29,645	15,011	282,244	.511	.299	.974	.04	-.06	.00
f. etcriteria	312	3.05	3.05	3.10	3.08	.051	.005	.007	.002	.90	.83	.83	.84	317	14,930	280,946	.968	.322	.583	.00	-.06	-.03
g. etreview	311	3.07	3.06	3.08	3.07	.047	.005	.007	.002	.83	.81	.81	.82	29,396	14,892	280,057	.777	.849	.932	.02	-.01	.00
h. etprefer	311	2.70	2.77	2.81	2.79	.051	.005	.007	.002	.90	.89	.90	.90	29,377	14,867	279,650	.155	.022	.078	-.08	-.13	-.10
i. etdemonstrate	308	3.06	3.15	3.18	3.15	.047	.005	.007	.002	.82	.80	.80	.81	29,310	14,827	279,341	.043	.009	.054	-.12	-.15	-.11

# NSSE 2023 Frequencies and Statistical Comparisons

## Detailed Statistics<sup>g</sup>

### Northern Michigan University

#### Seniors

Variable Name	N		Mean			Standard error <sup>h</sup>				Standard deviation <sup>i</sup>				Degrees of freedom <sup>j</sup>			Significance <sup>k</sup>			Effect size <sup>e</sup>		
	MMU	MMU	Great Lakes Public	Carnegie Class	NSSE 2022 & 2023	MMU	Great Lakes Public	Carnegie Class	NSSE 2022 & 2023	MMU	Great Lakes Public	Carnegie Class	NSSE 2022 & 2023	Comparisons with:			Comparisons with:			Comparisons with:		
														Great Lakes Public	Carnegie Class	NSSE 2022 & 2023	Great Lakes Public	Carnegie Class	NSSE 2022 & 2023	Great Lakes Public	Carnegie Class	NSSE 2022 & 2023
6 a. QRconclude	299	2.64	2.67	2.67	2.69	.054	.005	.008	.002	.93	.91	.92	.92	28,865	14,595	275,378	.516	.610	.320	-.04	-.03	-.06
b. QRproblem	298	2.37	2.49	2.50	2.52	.057	.006	.008	.002	.98	.96	.95	.97	28,786	14,530	274,255	.030	.017	.009	-.13	-.14	-.15
c. QRevaluate	288	2.41	2.49	2.47	2.50	.055	.006	.008	.002	.93	.93	.94	.94	28,585	14,446	272,890	.121	.250	.088	-.09	-.07	-.10
7 a. wrshortnum	284	6.56	7.53	7.62	7.56	.377	.040	.056	.013	6.35	6.75	6.61	6.66	28,512	14,409	272,188	.016	.007	.011	-.14	-.16	-.15
b. wrmednum	285	3.05	3.22	3.46	3.61	.264	.026	.038	.009	4.46	4.34	4.46	4.64	28,410	14,335	271,114	.520	.131	.044	-.04	-.09	-.12
c. wrlongnum	287	1.79	1.77	1.92	2.05	.229	.022	.033	.008	3.88	3.73	3.87	4.03	28,452	14,378	271,645	.936	.567	.278	.00	-.03	-.06
— wrpages	282	70.03	74.56	78.91	81.81	5.966	.566	.826	.197	100.14	94.73	97.62	102.06	28,282	14,260	269,505	.425	.131	.053	-.05	-.09	-.12
8 a. DDrace	285	2.52	2.97	2.97	3.02	.057	.005	.008	.002	.96	.92	.93	.93	290	295	285	.000	.000	.000	-.49	-.48	-.55
b. DDeconomic	284	2.86	3.01	3.00	3.01	.053	.005	.007	.002	.89	.87	.88	.90	28,396	14,338	270,889	.006	.008	.007	-.16	-.16	-.16
c. DDreligion	285	2.73	2.92	2.89	2.90	.055	.005	.008	.002	.94	.92	.93	.95	28,359	14,317	270,726	.001	.005	.003	-.20	-.17	-.18
d. DDpolitical	285	2.69	2.84	2.86	2.83	.057	.006	.008	.002	.96	.93	.93	.96	28,326	14,313	270,596	.005	.003	.015	-.17	-.18	-.14
e. ddsexorient	284	2.95	2.86	2.81	2.81	.057	.006	.008	.002	.97	.96	.98	.98	28,310	14,305	283	.115	.018	.018	.09	.14	.14
f. ddcountry	285	2.12	2.59	2.55	2.65	.055	.006	.008	.002	.92	.97	.97	.98	291	297	285	.000	.000	.000	-.48	-.44	-.54
9 a. LSreading	285	2.93	3.04	3.09	3.08	.050	.005	.007	.002	.85	.83	.81	.82	28,222	14,218	269,188	.025	.001	.002	-.13	-.20	-.18
b. LSnotes	284	2.81	2.83	2.89	2.89	.055	.006	.008	.002	.92	.94	.93	.92	28,221	14,214	269,059	.621	.157	.152	-.03	-.08	-.09
c. LSsummary	284	2.79	2.86	2.91	2.91	.052	.005	.007	.002	.87	.89	.87	.88	28,216	14,209	268,842	.146	.021	.020	-.09	-.14	-.14
10 challenge	283	5.49	5.47	5.53	5.52	.074	.008	.011	.003	1.25	1.31	1.31	1.32	28,025	14,119	267,138	.788	.624	.781	.02	-.03	-.02
11 a. intern <sup>l</sup>	280	47%	54%	54%	48%	.0299	.0030	.0042	.0010	--	--	--	--	--	--	--	.017	.016	.730	-.14	-.15	-.02
b. leader <sup>l</sup>	279	37%	34%	35%	32%	.0290	.0029	.0041	.0009	--	--	--	--	--	--	--	.323	.550	.094	.06	.04	.10
c. learncom <sup>l</sup>	278	25%	26%	25%	22%	.0260	.0026	.0037	.0008	--	--	--	--	--	--	--	.628	.982	.299	-.03	.00	.06
d. abroad <sup>l</sup>	278	3%	9%	8%	8%	.0099	.0017	.0023	.0005	--	--	--	--	--	--	--	.000	.002	.001	-.27	-.23	-.26
e. research <sup>l</sup>	277	28%	23%	26%	22%	.0271	.0025	.0037	.0008	--	--	--	--	--	--	--	.026	.344	.021	.13	.06	.13
f. capstone <sup>l</sup>	278	42%	47%	53%	46%	.0297	.0030	.0043	.0010	--	--	--	--	--	--	--	.127	.001	.245	-.09	-.21	-.07
12 servcourse	277	1.62	1.68	1.83	1.75	.042	.004	.006	.001	.69	.71	.74	.74	27,782	13,905	263,971	.193	.000	.005	-.08	-.28	-.17
13 a. Qlstudent	276	5.53	5.60	5.61	5.59	.077	.008	.011	.003	1.28	1.31	1.32	1.36	27,411	13,663	256,554	.353	.311	.450	-.06	-.06	-.05
b. Qladvisor	276	4.99	5.15	5.38	5.27	.117	.011	.015	.003	1.94	1.76	1.73	1.76	279	284	275	.182	.001	.018	-.09	-.22	-.16
c. Qlfaculty	276	5.58	5.45	5.60	5.53	.078	.008	.012	.003	1.30	1.38	1.37	1.40	281	13,764	275	.099	.881	.473	.09	-.01	.04
d. Qlstaff	250	4.92	5.00	5.09	5.04	.112	.011	.016	.004	1.78	1.67	1.69	1.72	254	11,510	213,475	.494	.121	.268	-.05	-.10	-.07
e. Qladmin	258	4.64	5.00	5.11	5.04	.115	.011	.015	.004	1.85	1.66	1.68	1.72	261	265	257	.002	.000	.001	-.22	-.28	-.23

# NSSE 2023 Frequencies and Statistical Comparisons

## Detailed Statistics<sup>g</sup>

### Northern Michigan University

#### Seniors

Variable Name	N		Mean			Standard error <sup>h</sup>				Standard deviation <sup>i</sup>				Degrees of freedom <sup>j</sup>			Significance <sup>k</sup>			Effect size <sup>e</sup>		
	MMU	MMU	Great Lakes Public	Carnegie Class	NSSE 2022 & 2023	MMU	Great Lakes Public	Carnegie Class	NSSE 2022 & 2023	MMU	Great Lakes Public	Carnegie Class	NSSE 2022 & 2023	Comparisons with:			Comparisons with:			Comparisons with:		
														Great Lakes Public	Carnegie Class	NSSE 2022 & 2023	Great Lakes Public	Carnegie Class	NSSE 2022 & 2023	Great Lakes Public	Carnegie Class	NSSE 2022 & 2023
14 a. empstudy	277	2.96	3.10	3.08	3.10	.048	.005	.007	.002	.79	.77	.77	.78	27,704	13,867	263,311	.004	.013	.002	-.17	-.15	-.18
b. SEacademic	276	2.72	2.84	2.91	2.88	.052	.005	.007	.002	.86	.85	.86	.88	27,656	13,840	262,903	.022	.000	.003	-.14	-.22	-.18
c. SElearnsup	277	2.77	2.76	2.85	2.81	.055	.006	.008	.002	.92	.94	.95	.95	27,636	13,831	262,541	.815	.191	.448	.01	-.08	-.05
d. SEdiverse	275	2.28	2.58	2.62	2.62	.056	.006	.008	.002	.93	.97	.98	.99	280	286	275	.000	.000	.000	-.31	-.35	-.34
e. SEsocial	276	2.87	2.81	2.86	2.78	.051	.006	.008	.002	.84	.91	.91	.93	281	13,797	275	.262	.907	.104	.06	.01	.09
f. SEwellness	274	2.44	2.69	2.72	2.69	.059	.006	.008	.002	.98	.95	.95	.96	27,495	13,783	261,691	.000	.000	.000	-.26	-.29	-.25
g. SEonacad	274	1.87	2.03	2.14	2.12	.055	.006	.009	.002	.91	.96	.99	1.00	27,506	287	274	.006	.000	.000	-.17	-.27	-.25
h. SEactivities	273	2.77	2.61	2.66	2.58	.051	.006	.008	.002	.84	.97	.97	1.00	279	287	273	.002	.044	.000	.17	.11	.19
i. SEevents	272	2.17	2.30	2.39	2.31	.054	.006	.008	.002	.89	.95	.97	.98	278	285	272	.018	.000	.011	-.14	-.23	-.14
15 a. sbmyself	271	3.25	3.26	3.27	3.27	.044	.004	.006	.001	.72	.73	.73	.73	27,425	13,737	261,251	.791	.609	.582	-.02	-.03	-.03
b. sbvalued	271	2.75	2.85	2.95	2.92	.053	.005	.007	.002	.87	.85	.83	.85	27,433	280	270	.052	.000	.001	-.12	-.25	-.20
c. sbcommunity	269	2.92	2.91	2.96	2.94	.050	.005	.007	.002	.82	.83	.83	.84	27,433	13,735	261,326	.830	.369	.660	.01	-.06	-.03
16 a. tmprephrs	271	14.74	15.83	15.25	15.67	.496	.054	.075	.017	8.17	8.83	8.75	8.81	27,409	13,700	260,532	.043	.341	.081	-.12	-.06	-.11
b. tmcocurrhrs	271	5.08	4.70	5.36	4.96	.425	.041	.066	.014	6.99	6.80	7.62	7.25	27,369	13,677	260,073	.365	.551	.790	.06	-.04	.02
c. tmworkonhrs	273	6.34	3.55	3.29	3.33	.520	.043	.057	.013	8.60	7.05	6.65	6.85	276	279	272	.000	.000	.000	.39	.46	.44
d. tmworkoffhrs	270	9.87	12.54	12.97	12.99	.722	.078	.113	.026	11.85	12.79	13.07	13.26	275	282	269	.000	.000	.000	-.21	-.24	-.24
— tmworkhrs	270	16.20	16.07	16.21	16.30	.695	.078	.115	.027	11.42	12.76	13.26	13.53	275	283	269	.852	.991	.887	.01	.00	-.01
e. tmservicehrs	269	2.28	2.55	2.92	2.94	.287	.030	.048	.011	4.71	4.97	5.52	5.50	27,367	13,680	269	.378	.059	.022	-.05	-.12	-.12
f. tmrelaxhrs	267	12.15	11.95	11.13	11.11	.522	.051	.071	.016	8.54	8.38	8.21	8.21	27,365	13,684	260,041	.699	.044	.039	.02	.12	.13
g. tmcarehrs	271	2.20	4.68	5.87	6.14	.426	.061	.095	.022	7.02	9.95	10.98	11.05	281	297	271	.000	.000	.000	-.25	-.34	-.36
h. tmcommutehrs	270	3.95	4.35	4.42	4.54	.285	.031	.052	.011	4.69	5.09	6.00	5.84	275	287	270	.166	.103	.039	-.08	-.08	-.10
17 reading	269	2.54	2.60	2.78	2.76	.070	.007	.010	.002	1.15	1.16	1.14	1.17	27,299	13,628	259,181	.384	.000	.002	-.05	-.22	-.19
— tmreadinghrs	269	5.95	6.62	7.15	7.24	.314	.037	.055	.013	5.15	5.99	6.31	6.42	275	285	269	.033	.000	.000	-.11	-.19	-.20



# NSSE 2023 Frequencies and Statistical Comparisons

## Detailed Statistics<sup>g</sup>

### Northern Michigan University

#### Seniors

Variable Name	N		Mean			Standard error <sup>h</sup>				Standard deviation <sup>i</sup>				Degrees of freedom <sup>i</sup>			Significance <sup>k</sup>			Effect size <sup>e</sup>		
														Comparisons with:			Comparisons with:			Comparisons with:		
	MMU	MMU	Great Lakes Public	Carnegie Class	NSSE 2022 & 2023	MMU	Great Lakes Public	Carnegie Class	NSSE 2022 & 2023	MMU	Great Lakes Public	Carnegie Class	NSSE 2022 & 2023	Great Lakes Public	Carnegie Class	NSSE 2022 & 2023	Great Lakes Public	Carnegie Class	NSSE 2022 & 2023	Great Lakes Public	Carnegie Class	NSSE 2022 & 2023
18 a. pgwrite	269	2.91	2.97	3.05	3.04	.054	.005	.007	.002	.88	.88	.86	.88	27,278	13,635	259,607	.235	.007	.015	-.07	-.17	-.15
b. pgspeak	269	2.83	2.86	2.98	2.93	.056	.006	.008	.002	.92	.94	.90	.93	27,272	13,616	259,348	.617	.007	.080	-.03	-.17	-.11
c. pgthink	268	3.28	3.29	3.30	3.30	.045	.005	.007	.002	.74	.79	.78	.79	27,283	13,633	259,385	.739	.687	.673	-.02	-.02	-.03
d. pganalyze	268	2.85	2.91	2.86	2.93	.060	.006	.008	.002	.98	.96	.97	.96	27,260	13,630	259,335	.256	.764	.181	-.07	-.02	-.08
e. pgwork	269	2.86	2.96	3.01	2.96	.056	.006	.008	.002	.92	.95	.93	.95	27,290	13,621	259,421	.098	.012	.103	-.10	-.16	-.10
f. pgothers	269	2.98	3.05	3.09	3.04	.053	.005	.007	.002	.88	.88	.85	.89	27,280	13,624	259,304	.160	.022	.206	-.09	-.14	-.08
g. pgvalues	268	2.67	2.79	2.94	2.86	.059	.006	.008	.002	.96	.99	.95	.98	27,276	13,623	259,213	.057	.000	.001	-.12	-.28	-.19
h. pgdiverse	267	2.62	2.87	2.93	2.90	.059	.006	.008	.002	.97	.95	.95	.96	27,242	277	259,233	.000	.000	.000	-.26	-.33	-.29
i. pgprobsolve	269	2.74	2.87	2.88	2.88	.056	.006	.008	.002	.92	.94	.93	.95	27,272	13,619	259,404	.019	.012	.011	-.14	-.16	-.15
j. pgcitizen	268	2.61	2.71	2.79	2.75	.060	.006	.008	.002	.98	.99	.97	.99	27,342	13,642	259,690	.109	.002	.020	-.10	-.19	-.14
19 evalexp	271	3.08	3.15	3.17	3.18	.046	.005	.007	.002	.76	.79	.79	.79	276	282	270	.087	.048	.021	-.10	-.12	-.13
20 sameinst	272	3.13	3.18	3.14	3.17	.050	.005	.007	.002	.82	.84	.87	.86	27,516	13,743	271	.303	.939	.388	-.06	.00	-.05

IPEDS: 171456

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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.
- b. All statistics are weighted by institution-reported sex and enrollment status (and institution size for comparison groups). Means calculated from ordered response options (e.g., Very often, Often, Sometimes, Never) assume equal intervals and should be interpreted with caution. Unless otherwise noted, statistical comparisons are two-tailed independent  $t$ -tests. Exceptions are the dichotomous High-Impact Practice items (11a to 11f) which are compared using a  $z$ -test.
- c. Items which make up the Engagement Indicators include the following two-letter prefixes: CL = Collaborative Learning, DD = Discussions with Diverse Others, ET = Effective Teaching Practices, HO = Higher-Order Learning, LS = Learning Strategies, QI = Quality of Interactions, QR = Quantitative Reasoning, RI = Reflective & Integrative Learning, SE = Supportive Environment, and SF = Student-Faculty Interaction.
- d. These are the values used to calculate means. For the majority of items, these values match the codes in the data file and codebook. For items estimating number of papers and hours per week, the values represent actual units using the midpoints of response option ranges and an estimate for unbounded options.
- e. Effect size for independent  $t$ -tests uses Cohen's  $d$ ;  $z$ -tests use Cohen's  $h$ . See page 2 for more details.
- f. Statistical comparison uses  $z$ -test to compare the percentage who responded "Done or in progress" or "Yes."
- g. Statistics are weighted by institution-reported sex and enrollment status (and institution size for comparison groups).
- h. Standard error of the mean for ordered and continuous variables; standard error of the proportion for items indicating "Done or in progress" (High-Impact Practices). The 95% confidence interval is equal to the sample mean plus or minus 1.96 times the standard error of the mean.
- i. A measure of the amount individual scores deviate from the mean of all the scores in the distribution.
- j. Degrees of freedom used to compute the  $t$ -tests. Values differ from Ns due to weighting and whether equal variances were assumed.
- k. 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 comparison group is due to chance.
- l. Mean represents the proportion who responded "Done or in progress" or "Yes."