
BCSSE 2020

First-Year Student Institutional Report

Northern Michigan University

Please note: The layout of this file is optimized for printing and PDF creation, not on-screen viewing. When the Excel version is viewed on screen, some cells appear to contain truncated text or misplaced line breaks. This is due to differences in Excel between on-screen display and what appears in print or PDF.

First-year students were recent high school graduates who met one of the following criteria:

- All paper survey respondents regardless of high school graduation year.
- Web respondents who graduated high school in 2020.
- Web respondents who graduated high school in 2019 or 2018 and did not attend another institution since graduating high school.
- Web respondents who graduated high school in 2019 or 2018 and did attend another institution since graduating high school and expects to transfer 11 or fewer credits.

Transfer students were those respondents who met the following criteria:

- All web respondents who attended a college or university after graduation from high school, expects to transfer 12 or more credits, and graduated high school prior to the current year.

Older students were those respondents who met one of the following criteria:

- Web respondents who graduated high school in 2017 or earlier and did not attend another institution since graduating high school.
- Web respondents who graduated high school in 2017 or earlier and did attend another institution since graduating high school and expects to transfer 11 or fewer credits.

BCSSE 2020

First-Year Student Respondent Profile

Northern Michigan University

Respondent Profile

About This Report

The *Respondent Profile* presents overall student demographic information, as well as by first-generation status and high school grades. The display below highlights important details in the report to keep in mind when interpreting your results. For more information please visit our website (bcsse.indiana.edu) or contact your BCSSE Project Services team.

1. **Student status:** As reported by your students.
2. **Item numbers:** Numbering corresponds to the survey facsimile and codebook available on the BCSSE website.
3. **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.
4. **Response options:** Response options are worded as they appear on the instrument (except where abbreviations are used for formatting purposes).
5. **Count and column percentage (%):** The Count column contains the number of students who selected the corresponding response option. The column percentage is the percentage of students selecting the corresponding response option. Percentages may not sum to 100 due to rounding.

Respondent Profile
BCSSEville State University

First-Year Students

Item wording, or description	Variable name	Response options	All Students		First-Generation*				Self-Reported HS Grades			
			Count	%	Yes Count	%	No Count	%	A- or Higher Count	%	B+ or Lower Count	%
28. This institution was your:	cchoice17	First choice Second choice Third choice or lower Total	949 222 39 1230	79 18 3 100	534 124 25 683	78 18 3 100	434 97 14 545	80 18 3 100	587 117 18 722	81 16 2 100	378 104 21 503	75 21 4 100
29. What is your gender identity?	gender	Man Woman Another gender identity I prefer not to respond Total	599 622 5 7 1233	49 50 0 1 100	327 349 5 5 686	48 51 1 1 100	272 272 0 1 545	50 50 0 0 100	299 419 3 4 725	41 58 0 1 100	297 201 2 3 503	59 40 0 1 100
30. Are you an international student or foreign national?	internat	No Yes Total	1212 15 1227	99 1 100	673 9 682	99 1 100	537 6 543	99 1 100	712 10 722	99 1 100	495 5 500	99 1 100
31. How would you describe yourself? (Select all that apply)	rs_allb (Rounded from c_percent c_percent where each student is represented only once.)	American Indian or Alaska Native Asian Black or African American Hispanic or Latino Middle Eastern or North African Native Hawaiian or Other Pacific Islander White Another race or ethnicity Multiracial I prefer not to respond Total	8 10 89 74 0 1 943 3 95 10 1233	1 1 7 6 0 0 76 0 8 1 100	2 6 68 70 0 1 473 2 58 6 686	0 1 10 10 0 0 69 0 8 1 100	6 4 21 4 0 0 469 1 37 3 545	1 1 4 1 0 0 86 0 7 1 100	6 7 24 24 0 0 605 0 54 4 724	1 1 3 3 0 0 84 0 7 1 100	1 3 65 50 0 0 334 3 41 6 504	0 1 13 10 0 0 66 1 8 1 100

Respondent Profile

Northern Michigan University

First-Year Students

			First-Generation ^a				Self-Reported HS Grades					
	Variable		All Students		Yes		No		A- or Higher		B+ or Lower	
Item wording or description	name	Response options	Count	%	Count	%	Count	%	Count	%	Count	%
- Number of Surveys Completed	bmodecmp											
Mode of completion		Paper	0	0								
		Web	556	100								
		Total	556	100								
1. Please indicate the year you graduated from high school:												
	hgradyr	Prior to 2017	0	0	0	0	0	0	0	0	0	0
		2017	0	0	0	0	0	0	0	0	0	0
		2018	6	1	2	1	2	1	2	1	4	2
		2019	32	6	14	7	10	4	8	3	23	9
		2020	516	93	177	92	253	95	288	97	224	89
		Total	554	100	193	100	265	100	298	100	251	100
W1. Since graduating from high school, which of the following have you done? (Select all that apply.)												
(Online survey respondents only. The paper survey did not include this item.)	tattend	Attend another college or university	8	23	3	19	2	18	1	10	7	28
	tmilitary	Military service	3	9	0	0	2	18	0	0	3	12
	twork_ft	Work full-time	21	60	9	56	7	64	7	70	14	56
	twork_pt	Work part-time	20	57	9	56	6	55	7	70	13	52
	thome	Homemaker or stay at home spouse	0	0	0	0	0	0	0	0	0	0
	tvolunteer	Volunteer	5	14	1	6	4	36	2	20	3	12
	tsinceoth	Other	2	6	0	0	2	18	1	10	1	4
W2. Since graduating from high school, which of the following types of schools have you attended <i>other than</i> this institution? (Select all that apply.)												
(Online survey respondents only. The paper survey did not include this item.)	tattend_voc	Vocational or technical school	0	0	0	0	0	0	0	0	0	0
	tattend_com	Community or junior college	5	56	2	50	2	100	1	50	4	57
	tattend_col	4-year college or university other than this one	3	33	1	25	0	0	1	50	2	29
	tattend_other	Other	1	11	1	25	0	0	0	0	1	14
W3. About how many credits do you expect to transfer to this institution?												
(Online survey respondents only. The paper survey did not include this item.)	trnsfr_cr	0	3	38	1	33	1	50	1	100	2	29
		1-11	5	63	2	67	1	50	0	0	5	71
		12-30	0	0	0	0	0	0	0	0	0	0
		31-45	0	0	0	0	0	0	0	0	0	0
		46-60	0	0	0	0	0	0	0	0	0	0
		More than 60	0	0	0	0	0	0	0	0	0	0
		Total	8	100	3	100	2	100	1	100	7	100

First-Year Students

Item wording or description	Variable name	Response options	All Students		First-Generation ^a				Self-Reported HS Grades			
					Yes		No		A- or Higher		B+ or Lower	
			Count	%	Count	%	Count	%	Count	%	Count	%
2. From which type of high school did you graduate? (Select only one.)												
	htype13	Public	426	96	142	93	207	97	231	95	190	96
		Private, religiously-affiliated	7	2	3	2	3	1	4	2	3	2
		Private, not religiously affiliated	0	0	0	0	0	0	0	0	0	0
		Home school	8	2	4	3	2	1	4	2	4	2
		Other (e.g., G.E.D.)	4	1	3	2	1	0	3	1	1	1
		Total	445	100	152	100	213	100	242	100	198	100
3. What were most of your high school grades? (Select only one.)												
	hgrades17	C- or lower	2	0	1	1	0	0	0	0	2	1
		C	10	2	6	3	2	1	0	0	10	4
		C+	20	4	12	6	4	2	0	0	20	8
		B-	25	5	15	8	6	2	0	0	25	10
		B	86	16	37	19	31	12	0	0	86	34
		B+	108	20	40	21	45	17	0	0	108	43
		A-	90	16	23	12	53	20	90	30	0	0
		A	183	33	53	27	107	40	183	61	0	0
		A+	26	5	6	3	17	6	26	9	0	0
		Grades not used	0	0	0	0	0	0	0	0	0	0
		Total	550	100	193	100	265	100	299	100	251	100
4. To date, in which of the following math classes have you earned a grade of "C" or better? (Select all that apply.)												
	halg13	Algebra II	493	96	174	96	243	95	280	97	213	96
	hprecalc13	Pre-calculus/Trigonometry	254	52	73	40	145	57	195	68	59	29
	hcalc13	Calculus	94	20	22	12	60	23	78	28	16	8
	hstats13	Probability or Statistics	132	27	32	18	79	31	80	29	52	25
5. If you completed the SAT and/or ACT, please enter your scores below (as best you remember):												
(Recoded SAT and ACT composite created by BCSSE.)	sat_act17r	900 or lower	40	9	23	14	12	5	12	4	28	15
		901 - 1000	66	15	30	18	31	13	17	6	49	27
		1001 - 1100	102	23	39	24	53	22	57	21	45	24
		1101 - 1200	105	23	39	24	50	20	69	26	35	19
		1201 - 1300	81	18	20	12	56	23	61	23	20	11
		1301 - 1400	44	10	12	7	30	12	39	15	5	3
		1401 - 1600	15	3	2	1	12	5	13	5	2	1
		Total	453	100	165	100	244	100	268	100	184	100

First-Year Students

			First-Generation ^a				Self-Reported HS Grades					
Item wording or description	Variable name	Response options	All Students		Yes		No		A- or Higher		B+ or Lower	
			Count	%	Count	%	Count	%	Count	%	Count	%
22. Which of the following sources are you using to pay for your education expenses (tuition, fees, books, room & board, etc.)? For each, tell us if you are using, not using, or not sure.												
Support from parents or relatives	cparents	Using	328	72	121	64	203	77	199	77	129	66
		Not using	79	17	46	24	33	13	32	12	47	24
		Not sure	48	11	22	12	26	10	28	11	20	10
		Total	455	100	189	100	262	100	259	100	196	100
Loans	cloans	Using	260	57	116	60	142	54	133	52	127	64
		Not using	96	21	26	14	69	26	67	26	29	15
		Not sure	101	22	50	26	50	19	58	22	43	22
		Total	457	100	192	100	261	100	258	100	199	100
Grants or scholarships	cgrants	Using	356	78	142	74	210	80	227	88	129	65
		Not using	40	9	14	7	26	10	11	4	29	15
		Not sure	60	13	35	18	25	10	21	8	39	20
		Total	456	100	191	100	261	100	259	100	197	100
Employment on- or off-campus	cjob	Using	265	58	122	64	141	54	144	56	121	61
		Not using	62	14	19	10	43	16	37	14	25	13
		Not sure	131	29	50	26	79	30	78	30	53	27
		Total	458	100	191	100	263	100	259	100	199	100
Personal savings or other sources	cpersonal	Using	343	75	136	70	203	77	203	78	140	70
		Not using	38	8	17	9	21	8	18	7	20	10
		Not sure	79	17	40	21	39	15	40	15	39	20
		Total	460	100	193	100	263	100	261	100	199	100
23. What do you expect most of your grades will be during the coming year? (Select only one.)												
	cgrades19	C- or lower	0	0	0	0	0	0	0	0	0	0
		C	0	0	0	0	0	0	0	0	0	0
		C+	9	2	8	4	1	0	0	0	9	5
		B-	22	5	9	5	13	5	4	2	18	9
		B	104	23	47	24	56	21	41	16	63	32
		B+	120	26	54	28	65	25	60	23	60	30
		A-	121	26	39	20	82	31	94	36	27	14
		A	83	18	35	18	47	18	62	24	21	11
		Grades not used	0	0	0	0	0	0	0	0	0	0
		Total	459	100	192	100	264	100	261	100	198	100

Respondent Profile

Northern Michigan University

First-Year Students

Item wording or description	Variable name	Response options	All Students		First-Generation ^a				Self-Reported HS Grades			
					Yes		No		A- or Higher		B+ or Lower	
			Count	%	Count	%	Count	%	Count	%	Count	%
24. Do you expect to graduate from this institution?												
	cintgrad	No	2	0	0	0	2	1	1	0	1	1
		Yes	426	93	178	93	245	93	240	92	186	94
		Uncertain	31	7	14	7	17	6	21	8	10	5
		Total	459	100	192	100	264	100	262	100	197	100
25. Do you know what your major will be?												
	cmajor	No	75	16	30	16	45	17	46	18	29	15
		Yes, specify	382	84	162	84	218	83	214	82	168	85
		Total	457	100	192	100	263	100	260	100	197	100
(Recoded variable cmajcode into one of 12 major categories listed at right.)	cmajrcol	Arts & Humanities	31	8	15	9	15	7	17	8	14	8
		Biological Sci., Agriculture, & Natural Resources	87	23	27	17	60	28	63	29	24	14
		Physical Sci., Mathematics, & Computer Science	23	6	7	4	16	7	10	5	13	8
		Social Sciences	30	8	17	11	13	6	17	8	13	8
		Business	22	6	6	4	16	7	13	6	9	5
		Communications, Media, & Public Relations	8	2	3	2	5	2	5	2	3	2
		Education	31	8	14	9	17	8	19	9	12	7
		Engineering	16	4	9	6	7	3	6	3	10	6
		Health Professions	70	18	30	19	39	18	41	19	29	17
		Social Service Professions	27	7	10	6	17	8	15	7	12	7
		All Other	32	8	21	13	11	5	7	3	25	15
		Undecided, Undeclared	4	1	2	1	2	1	1	0	3	2
		Total	381	100	161	100	218	100	214	100	167	100
26. Are you (or will you be) a full-time student at this institution?												
	cfulltime18	No	2	0	2	1	0	0	2	1	0	0
		Yes	455	100	191	99	263	100	257	99	198	100
		Total	457	100	193	100	263	100	259	100	198	100
27. How many of your close friends will attend this institution during the coming year?												
	cfriends	None	198	43	81	42	116	44	122	47	76	38
		1	107	23	53	27	54	21	54	21	53	27
		2	59	13	31	16	28	11	31	12	28	14
		3	26	6	8	4	18	7	15	6	11	6
		4 or more	67	15	20	10	47	18	36	14	31	16

First-Year Students

Item wording or description	Variable name	Response options	All Students		First-Generation ^a				Self-Reported HS Grades			
			Yes		No		A- or Higher		B+ or Lower			
			Count	%	Count	%	Count	%	Count	%	Count	%
		Total	457	100	193	100	263	100	258	100	199	100

Respondent Profile

Northern Michigan University

First-Year Students

Item wording or description	Variable name	Response options	All Students		First-Generation ^a				Self-Reported HS Grades			
					Yes		No		A- or Higher		B+ or Lower	
			Count	%	Count	%	Count	%	Count	%	Count	%
28. This institution was your:												
	cchoice17	First choice	387	84	167	87	219	83	222	85	165	83
		Second choice	61	13	24	12	37	14	31	12	30	15
		Third choice or lower	11	2	2	1	9	3	7	3	4	2
		Total	459	100	193	100	265	100	260	100	199	100
29. What is your gender identity?												
	cgender	Man	145	32	61	32	84	32	61	23	84	42
		Woman	303	66	128	66	174	66	192	74	111	56
		Another gender identity	4	1	2	1	2	1	3	1	1	1
		I prefer not to respond	7	2	2	1	5	2	4	2	3	2
		Total	459	100	193	100	265	100	260	100	199	100
30. Are you an international student?												
	cinternat	No	452	99	187	98	264	100	258	100	194	98
		Yes	5	1	4	2	1	0	1	0	4	2
		Total	457	100	191	100	265	100	259	100	198	100
31. How would you describe yourself? (Select all that apply)												
	crace	American Indian or Alaska Native	2	0	1	1	1	0	0	0	2	1
		Asian	2	0	1	1	1	0	1	0	1	1
		Black or African American	5	1	3	2	2	1	2	1	3	2
		Hispanic or Latino	12	3	8	4	4	2	3	1	9	5
		Middle Eastern or North African	0	0	0	0	0	0	0	0	0	0
		Native Hawaiian or Other Pacific Islander	0	0	0	0	0	0	0	0	0	0
		White	400	87	157	81	242	91	238	92	162	81
		Another race or ethnicity	0	0	0	0	0	0	0	0	0	0
		Multiracial	38	8	23	12	15	6	16	6	22	11
		I prefer not to respond	0	0	0	0	0	0	0	0	0	0
		Total	459	100	193	100	265	100	260	100	199	100

Respondent Profile

Northern Michigan University

First-Year Students

Item wording or description	Variable name	Response options	All Students		First-Generation ^a				Self-Reported HS Grades			
					Yes		No		A- or Higher		B+ or Lower	
			Count	%	Count	%	Count	%	Count	%	Count	%
32. Regarding your parents (or those who raised you), what is the highest level of education completed by either of them?												
	cpardegr18	Did not finish high school	4	1	4	2	0	0	1	0	3	2
		High school diploma or G.E.D.	55	12	55	28	0	0	21	8	34	17
		Attended college, but did not complete degree	68	15	68	35	0	0	31	12	37	19
		Associate's degree (AA, AS, etc.)	66	14	66	34	0	0	29	11	37	19
		Bachelor's degree (BA, BS, etc.)	154	34	0	0	154	58	101	39	53	27
		Master's degree (MA, MS, etc.)	89	19	0	0	89	34	59	23	30	15
		Doctoral or professional degree (PhD, JD, MD, etc.)	22	5	0	0	22	8	17	7	5	3
		Total	458	100	193	100	265	100	259	100	199	100
First-generation status (Neither parent holds a bachelor's degree. Recoded from cpardegr18)	bfirstgen	First-generation	193	42	193	100	0	0	82	32	111	56
		Not first-generation	265	58	0	0	265	100	177	68	88	44
		Total	458	100	193	100	265	100	259	100	199	100
33. Which of the following best describes where you will be living while attending college?												
	cliving18	Campus housing (other than a fraternity or sorority house)	393	86	167	87	225	85	224	86	169	86
		Fraternity or sorority house	0	0	0	0	0	0	0	0	0	0
		House, apartment, or other residence within walking distance to campus	22	5	7	4	15	6	13	5	9	5
		House, apartment, or other residence farther than walk. dist. to campus	40	9	16	8	24	9	22	8	18	9
		Not applicable: No campus, entirely online program, etc.	1	0	1	1	0	0	0	0	1	1
		Not applicable: Homeless or in transition	1	0	0	0	1	0	1	0	0	0
		Total	457	100	191	100	265	100	260	100	197	100

BCSSE 2020

First-Year Student Frequencies and Statistical Comparisons


Northern Michigan University

Frequencies and Statistical Comparisons

About This Report

The Frequencies and Statistical Comparisons report presents item-by-item student responses and mean comparisons that allow you to examine patterns of similarity and difference between groups students at your institution. The display below highlights important details in the report to keep in mind when interpreting your results. For more information please visit our website (bcse.indiana.edu) or contact a member of the BCSSE team.

- Student status:** As reported by your students.
- Item numbers:** Numbering corresponds to the survey facsimile and codebook available on the BCSSE 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 percentage of students selecting the corresponding response option. Percentages may not sum to 100 due to rounding.
- Overall mean:** Mean scores for each item. Mean item scores by within-campus comparison groups are presented on the right side. Mean calculated from ordered response options (e.g., Very often, Often, Sometimes, Never) assume equal intervals and should be interpreted with caution.
- 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 tend to generate more statistically significant results even though the magnitude of mean differences may be inconsequential. Consult effect sizes (see #8) to judge the practical meaning of differences. Unless otherwise noted, statistical comparisons are two-tailed independent t -tests.



BCSSE
beginning college survey
of student engagement

Frequencies and Statistical Comparisons
BCSSEville State University

First-Year Students

Frequency Distributions

Statistical Comparisons

Item wording or description	Variable name	Values	Response options	All Students Count % Mean	First-Generation*		Self-Reported HS Grades		First-Generation		Self-Reported HS Grades	
					Yes Count %	No Count %	A- or higher Count %	B+ or lower Count %	Yes Count %	No Count %	A- or higher Count %	B+ or lower Count %
6. During high school, how many of the following types of classes did you complete?												
a. Advanced Placement (AP) classes	hapc113num	0 1.5 1-2 3.5 3-4 5.5 5-6 7.5 7-8 9.5 9-10 11.5 11 or more	0 1-2 3-4 5-6 7-8 9-10 11 or more	420 35 382 32 256 22 88 7 24 2 10 1 4 0 Total 1,197 100	261 39 225 34 131 20 30 5 9 1 6 1 3 0 Total 651 100	158 30 156 30 138 26 56 11 15 3 4 1 1 0 Total 528 100	187 26 238 34 194 27 62 9 19 3 7 1 0 3 Total 708 100	230 48 142 29 75 15 26 5 5 1 3 1 3 1 Total 484 100	1.6	2.2 ***	-.30	2.2 1.4 ***
b. College or university courses for credit	hdc113num	0 1.5 1-2 3.5 3-4 5.5 5-6 7.5 7-8 9.5 9-10 11.5 11 or more	0 1-2 3-4 5-6 7-8 9-10 11 or more	503 48 352 30 195 17 69 6 29 2 14 1 19 2 Total 1,181 100	183 35 173 33 101 19 33 5 17 3 3 0 9 1 Total 651 100	208 30 228 33 151 22 58 8 11 2 13 2 1 0 Total 698 100	292 61 123 26 44 9 11 2 2 0 5 1 Total 478 100	1.6	2.1 ***	-.23	2.4 1.0 ***	
c. International Baccalaureate (IB)	hib113num	0 1.5 1-2 3.5 3-4 5.5 5-6 7.5 7-8 9.5 9-10 11.5 11 or more	0 1-2 3-4 5-6 7-8 9-10 11 or more	1,115 99 7 1 4 0 4 0 0 0 1 0 0 0 Total 1,131 100	615 99 3 0 3 0 2 0 0 0 1 0 0 0 Total 623 100	495 98 4 1 1 0 2 0 0 0 1 0 0 0 Total 504 100	655 98 5 1 1 0 3 1 0 0 0 0 0 0 Total 665 100	455 99 2 0 1 0 3 1 0 0 0 0 0 0 Total 461 100	.0	.1	-.04	.0 0.0
7. During your last year of high school, about how many papers, reports, or other writing tasks of the following length did you complete?												
a. Up to 5 pages	lwr shrtnum	0 1.5 1-2 4 3-5 8 6-10 13 11-15 18 16-20 23 More than 20	None 1-2 3-5 6-10 11-15 16-20 More than 20	154 13 382 31 375 31 188 15 71 6 25 2 36 3 Total 1,229 100	102 15 205 30 213 31 97 14 33 5 15 2 17 2 Total 682 100	52 10 175 32 160 29 89 16 58 7 10 2 19 3 Total 543 100	81 11 220 31 212 29 116 16 53 7 21 3 15 3 Total 720 100	72 14 160 32 162 32 69 14 18 4 8 2 3 1 Total 504 100	4.3	5.0 *	-.14	5.0 4.2 **

- Effect size:** Effect size indicates practical significance. An effect size of .2 is often considered small, .5 moderate, and .8 large. 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 selected the item 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.

Frequencies and Statistical Comparisons

Northern Michigan University

First-Year Students

First-Year Students				Frequency Distributions								Statistical Comparisons								
Item wording or description	Variable name	Values ^c	Response options	All Students			First-Generation ^a				Self-Reported HS Grades				First-Generation			Self-Reported HS Grades		
				Count	%	Mean	Yes		No		A- or higher		B+ or lower		Yes	No	ES	A- or higher	B+ or lower	ES
							Count	%	Count	%	Count	%	Count	%	Mean	Mean		Mean	Mean	
6. During high school, how many of the following types of classes did you complete?																				
a. Advanced Placement (AP) classes	hapc113num	0	0	200	40	99	52	77	31	85	30	115	53							
	(Recoded version of hapc113 created by BCSSE. Values are estimated number of AP classes.)	1.5	1-2	162	33	52	28	89	35	87	31	75	34							
		3.5	3-4	93	19	27	14	57	23	74	26	19	9							
		5.5	5-6	26	5	7	4	18	7	22	8	4	2	1.3	2.1 ***	-.37	2.2	1.1 ***	.52	
		7.5	7-8	7	1	1	1	5	2	5	2	2	1							
		9.5	9-10	5	1	1	1	3	1	4	1	1	0							
		11.5	11 or more	5	1	2	1	3	1	3	1	2	1							
	Total		498	100	189	100	252	100	280	100	218	100								
b. College or university courses for credit	hdc17num	0	0	306	61	122	65	148	58	147	52	159	73							
	(Recoded version of hdc17 created by BCSSE. Values are estimated number of dual credit classes.)	1.5	1-2	100	20	37	20	50	20	60	21	40	18							
		3.5	3-4	36	7	12	6	22	9	25	9	11	5							
		5.5	5-6	25	5	5	3	16	6	19	7	6	3	1.3	1.7	-.13	2.1	.7 ***	.55	
		7.5	7-8	8	2	2	1	6	2	8	3	0	0							
		9.5	9-10	4	1	2	1	2	1	4	1	0	0							
		11.5	11 or more	20	4	8	4	11	4	19	7	1	0							
	Total		499	100	188	100	255	100	282	100	217	100								
c. International Baccalaureate (IB)	hib17num	0	0	458	96	180	98	226	94	255	95	203	97							
	(Recoded version of hib17 created by BCSSE. Values are estimated number of international baccalaureate classes.)	1.5	1-2	8	2	0	0	8	3	7	3	1	0							
		3.5	3-4	2	0	1	1	1	0	1	0	1	0							
		5.5	5-6	4	1	0	0	3	1	2	1	2	1	.1	.2	-.09	.2	.2	.02	
		7.5	7-8	4	1	1	1	2	1	3	1	1	0							
		9.5	9-10	1	0	1	1	0	0	0	0	1	0							
		11.5	11 or more	0	0	0	0	0	0	0	0	0	0							
	Total		477	100	183	100	240	100	268	100	209	100								
7. During your <i>last year</i> of high school, about how many papers, reports, or other writing tasks of the following length did you complete?																				
a. Up to 5 pages	hwrshrtnum	0	None	42	8	21	11	17	6	17	6	25	11							
	(Recoded version of hWRshrtn created by BCSSE. Values are estimated number of papers, reports, etc.)	1.5	1-2	145	28	63	33	66	25	73	26	72	32							
		4	3-5	161	32	61	32	87	33	101	35	60	27							
		8	6-10	83	16	21	11	53	20	47	16	36	16	5.2	6.1	-.16	6.1	5.5	.09	
		13	11-15	29	6	11	6	13	5	20	7	9	4							
		18	16-20	13	3	4	2	8	3	8	3	5	2							
		23	More than 20	36	7	12	6	18	7	19	7	17	8							

*p<.05, **p<.01, ***p<.001 (2-tailed)

Frequencies and Statistical Comparisons

Northern Michigan University

First-Year Students

First-Year Students				Frequency Distributions								Statistical Comparisons																
Item wording or description	Variable name	Values ^c	Response options	All Students								First-Generation ^a				Self-Reported HS Grades				First-Generation				Self-Reported HS Grades				
				Yes			No			A- or higher		B+ or lower		Yes		No		A- or higher		B+ or lower								
				Count	%	Mean	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%
		Total		509	100		193	100	262	100	285	100	224	100														

*p<.05, **p<.01, ***p<.001 (2-tailed)

Frequencies and Statistical Comparisons

Northern Michigan University

First-Year Students

First-Year Students				Frequency Distributions								Statistical Comparisons								
Item wording or description	Variable name	Values ^c	Response options	All Students			First-Generation ^a				Self-Reported HS Grades				First-Generation			Self-Reported HS Grades		
				Count	%	Mean	Yes		No		A- or higher		B+ or lower		Yes	No	ES	A- or higher	B+ or lower	ES
							Count	%	Count	%	Count	%	Count	%	Mean	Mean		Mean	Mean	
b. Between 6 and 10 pages	hwrmndnum	0	None	233	46		90	47	114	44	128	45	105	47						
	(Recoded version of hWRmd created by BCSSE. Values are estimated number of papers, reports, etc.)	1.5	1-2	172	34		67	35	90	35	101	36	71	32						
		4	3-5	73	14		22	11	43	17	43	15	30	14						
		8	6-10	18	4	1.7	9	5	8	3	8	3	10	5	1.7	1.6	.03	1.5	1.9	-.13
		13	11-15	2	0		1	1	1	0	0	0	2	1						
		18	16-20	3	1		2	1	1	0	2	1	1	0						
		23	More than 20	3	1		1	1	1	0	0	0	3	1						
		Total	504	100		192	100	258	100	282	100	222	100							
c. 11 pages or more	hwrlngnum	0	None	389	78		150	79	194	76	216	77	173	79						
	(Recoded version of hWRlng created by BCSSE. Values are estimated number of papers, reports, etc.)	1.5	1-2	83	17		32	17	46	18	52	19	31	14						
		4	3-5	14	3		4	2	9	4	8	3	6	3						
		8	6-10	7	1	0.7	3	2	4	2	2	1	5	2	.6	.7	-.01	.6	.8	-.11
		13	11-15	3	1		1	1	1	0	1	0	2	1						
		18	16-20	0	0		0	0	0	0	0	0	0	0						
		23	More than 20	3	1		1	1	1	0	1	0	2	1						
		Total	499	100		191	100	255	100	280	100	219	100							
8. During your <i>last year</i> of high school, about how many hours did you spend in a typical 7-day week doing the following?																				
a. Preparing for class (studying, reading, doing homework, etc.)	hacadpr13hrs	0	0	14	3		5	3	7	3	6	2	8	4						
	(Recoded version of hacadpr13 created by BCSSE. Values are estimated number of hours)	3	1-5	221	43		85	44	111	42	115	40	106	47						
		8	6-10	135	27		48	25	74	28	72	25	63	28						
		13	11-15	72	14		31	16	35	13	47	16	25	11						
		18	16-20	41	8	8.1	13	7	24	9	30	11	11	5	8.1	8.1	.00	8.6	7.4 *	.18
		23	21-25	14	3		6	3	7	3	11	4	3	1						
		28	26-30	6	1		2	1	4	2	3	1	3	1						
		33	More than 30	6	1		3	2	2	1	1	0	5	2						
Total	509	100		193	100	264	100	285	100	224	100									
b. Working for pay	hworkhrs	0	0	136	27		53	27	70	27	80	28	56	25						
	(Recoded version of hworkhrs created by BCSSE. Values are estimated number of hours)	3	1-5	55	11		18	9	29	11	33	12	22	10						
		8	6-10	64	13		18	9	41	16	44	15	20	9						
		13	11-15	69	14		25	13	34	13	36	13	33	15						
		18	16-20	90	18	11.2	35	18	44	17	50	18	40	18	12.3	10.7	.15	10.2	12.5 *	-.23
		23	21-25	48	9		20	10	26	10	24	8	24	11						
		28	26-30	18	4		7	4	10	4	11	4	7	3						

*p<.05, **p<.01, ***p<.001 (2-tailed)

Frequencies and Statistical Comparisons

Northern Michigan University

First-Year Students

First-Year Students				Frequency Distributions								Statistical Comparisons											
Item wording or description	Variable name	Values ^c	Response options	All Students			First-Generation ^a				Self-Reported HS Grades				First-Generation			Self-Reported HS Grades					
				Count	%	Mean	Yes		No		A- or higher		B+ or lower		Yes		No		ES	A- or higher		B+ or lower	
							Count	%	Count	%	Count	%	Count	%	Count	%	Mean	Mean		Mean	Mean	Mean	ES
		33	More than 30	27	5		17	9	9	3	7	2	20	9									
		Total		507	100		193	100	263	100	285	100	222	100									
c. Participating in co-curricular activities (organizations, school publications, student government, sports, etc.)	hcocurrhrs	0	0	68	13		35	18	28	11	24	8	44	20									
	(Recoded version of hcocurrhrs created by BCSSE. Values are estimated number of hours)	3	1-5	109	22		43	22	51	20	61	22	48	22									
		8	6-10	90	18		35	18	46	18	51	18	39	18									
		13	11-15	79	16		22	11	48	18	50	18	29	13									
		18	16-20	75	15	11.4	28	15	44	17	53	19	22	10	10.7	11.9	-.13	12.0	10.7	.14			
		23	21-25	36	7		10	5	21	8	19	7	17	8									
		28	26-30	14	3		5	3	8	3	12	4	2	1									
		33	More than 30	34	7		15	8	14	5	13	5	21	9									
		Total		505	100		193	100	260	100	283	100	222	100									
d. Relaxing and socializing (time with friends, video games, TV or videos, keeping up with friends online, etc.)	hsocial13hrs	0	0	3	1		1	1	1	0	1	0	2	1									
	(Recoded version of hsocial13hrs created by BCSSE. Values are estimated number of hours)	3	1-5	115	23		44	23	55	21	61	21	54	24									
		8	6-10	167	33		61	32	90	34	102	36	65	29									
		13	11-15	89	18		28	15	55	21	58	20	31	14									
		18	16-20	61	12	11.8	27	14	27	10	35	12	26	12	12.3	11.8	.06	11.0	12.9 *	-.23			
		23	21-25	24	5		10	5	11	4	13	5	11	5									
		28	26-30	13	3		6	3	6	2	6	2	7	3									
		33	More than 30	34	7		15	8	18	7	8	3	26	12									
		Total		506	100		192	100	263	100	284	100	222	100									
9. During your <i>last year</i> of high school, of the time you spent preparing for class in a typical 7-day week, about how much was on assigned reading?																							
	htmread14	1	Very little	131	26		45	24	72	27	69	24	61	28									
		2	Some	258	51		97	51	135	51	141	50	117	53									
		3	About half	73	14	2.1	32	17	34	13	47	17	26	12	2.1	2.0	.10	2.1	2.0	.10			
		4	Most	34	7		14	7	18	7	22	8	12	5									
		5	Almost all	8	2		3	2	4	2	3	1	5	2									
		Total		504	100		191	100	263	100	282	100	221	100									
10. During your <i>last year</i> of high school, about how often did you do the following?																							
a. Came to class without completing readings or assignments	hunprepard	1	Never	194	39		81	42	100	38	140	50	54	24									
		2	Sometimes	263	52		99	51	136	52	120	43	142	64									
		3	Often	32	6	1.7	9	5	20	8	14	5	18	8	1.7	1.7	-.12	1.6	1.9 ***	-.44			
		4	Very often	14	3		4	2	7	3	7	2	7	3									
		Total		503	100		193	100	263	100	281	100	221	100									

*p<.05, **p<.01, ***p<.001 (2-tailed)

Frequencies and Statistical Comparisons

Northern Michigan University

First-Year Students

First-Year Students				Frequency Distributions										Statistical Comparisons						
Item wording or description	Variable name	Values ^c	Response options	All Students			First-Generation ^a				Self-Reported HS Grades				First-Generation			Self-Reported HS Grades		
				Count	%	Mean	Yes		No		A- or higher		B+ or lower		Yes	No	ES	A- or higher	B+ or lower	ES
							Count	%	Count	%	Count	%	Count	%	Mean	Mean		Mean	Mean	
b. Prepared two or more drafts of a paper or assignment before turning it in	hdrafting	1	Never	99	20	2.3	38	20	51	19	48	17	51	23	2.3	2.3	.02	2.3	2.2	.15
		2	Sometimes	213	43		76	39	115	44	124	44	89	41						
		3	Often	132	26		61	32	65	25	73	26	59	27						
		4	Very often	55	11		18	9	31	12	36	13	19	9						
		Total	499	100	193		100	262	100	281	100	218	100							
c. Reached conclusions based on your own analysis of numerical information (numbers, graphs, statistics, etc.)	hQRconclud	1	Never	36	7	2.7	17	9	16	6	18	6	18	8	2.6	2.7	-.14	2.7	2.6 *	.18
		2	Sometimes	175	35		71	37	86	33	93	33	82	38						
		3	Often	199	40		72	38	112	43	112	40	87	40						
		4	Very often	88	18		32	17	49	19	58	21	30	14						
		Total	498	100	192		100	263	100	281	100	217	100							
d. Used numerical information to examine a real-world problem or issue (unemployment, climate change, public health, etc.)	hQRproblem	1	Never	67	13	2.5	31	16	30	11	33	12	34	16	2.4	2.5	-.10	2.5	2.4	.15
		2	Sometimes	197	39		71	37	107	41	110	39	87	40						
		3	Often	174	35		71	37	92	35	98	35	76	35						
		4	Very often	61	12		20	10	35	13	40	14	21	10						
		Total	499	100	193		100	264	100	281	100	218	100							
e. Evaluated what others have concluded from numerical information	hQRrevaluat	1	Never	58	12	2.4	23	12	32	12	30	11	28	13	2.4	2.4	-.05	2.5	2.3 *	.19
		2	Sometimes	226	45		88	46	116	44	117	42	109	50						
		3	Often	159	32		64	33	84	32	98	35	61	28						
		4	Very often	55	11		18	9	32	12	35	13	20	9						
		Total	498	100	193		100	264	100	280	100	218	100							
f. Identified key information from reading assignments	hLSreading	1	Never	4	1	3.1	1	1	3	1	1	0	3	1	3.1	3.1	-.09	3.2	2.9 ***	.42
		2	Sometimes	102	21		39	20	49	19	43	15	59	27						
		3	Often	232	47		97	50	118	45	125	45	107	49						
		4	Very often	158	32		56	29	92	35	109	39	49	22						
		Total	496	100	193		100	262	100	278	100	218	100							
g. Reviewed your notes after class	hLSnotes	1	Never	34	7	2.7	10	5	18	7	18	6	16	7	2.8	2.7 *	.21	2.7	2.7	.09
		2	Sometimes	184	37		64	33	108	41	100	36	84	39						
		3	Often	169	34		66	34	85	32	95	34	74	34						
		4	Very often	110	22		53	27	52	20	66	24	44	20						
		Total	497	100	193		100	263	100	279	100	218	100							

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Frequencies and Statistical Comparisons

Northern Michigan University

First-Year Students

First-Year Students				Frequency Distributions								Statistical Comparisons								
Item wording or description	Variable name	Values ^c	Response options	All Students			First-Generation ^a				Self-Reported HS Grades				First-Generation			Self-Reported HS Grades		
				Count	%	Mean	Yes		No		A- or higher		B+ or lower		Yes	No	ES	A- or higher	B+ or lower	ES
							Count	%	Count	%	Count	%	Count	%	Mean	Mean		Mean	Mean	
h Summarized what you learned in class or from course materials	hLSsummary	1	Never	31	6	2.7	7	4	20	8	17	6	14	6	2.9	2.7	.18	2.8	2.7	.14
		2	Sometimes	166	34		61	32	87	33	85	30	81	38						
		3	Often	196	40		77	40	107	41	114	41	82	38						
		4	Very often	102	21		47	24	49	19	63	23	39	18						
		Total	495	100	192		100	263	100	279	100	216	100							
i Included diverse perspectives (political, religious, racial/ethnic, gender, etc.) in course discussions or assignments	hridivers	1	Never	56	11	2.6	25	13	25	9	24	9	32	15	2.5	2.6	-.10	2.7	2.5 *	.23
		2	Sometimes	179	36		72	38	96	36	99	36	80	37						
		3	Often	166	34		59	31	92	35	95	34	71	33						
		4	Very often	92	19		35	18	51	19	60	22	32	15						
		Total	493	100	191		100	264	100	278	100	215	100							
j Examined the strengths and weaknesses of your own views on a topic or issue	hriownview	1	Never	24	5	2.8	7	4	15	6	14	5	10	5	2.9	2.8	.13	2.8	2.8	.01
		2	Sometimes	149	30		59	31	77	29	88	32	61	29						
		3	Often	213	43		76	40	123	47	111	40	102	48						
		4	Very often	107	22		50	26	48	18	66	24	41	19						
		Total	493	100	192		100	263	100	279	100	214	100							
k Tried to better understand someone else's views by imagining how an issue looks from their perspective	hriperspt	1	Never	9	2	3.1	6	3	3	1	1	0	8	4	3.1	3.0	.13	3.1	3.0	.08
		2	Sometimes	104	21		37	19	58	22	64	23	40	19						
		3	Often	225	46		75	39	131	50	121	44	104	49						
		4	Very often	154	31		73	38	71	27	92	33	62	29						
		Total	492	100	191		100	263	100	278	100	214	100							
11. During your last year of high school, how involved were you in the following activities at your school or elsewhere?																				
a. Performing or visual arts programs (band, chorus, theater, art, etc.)	hinvars	1	Not at all	143	29	3.1	54	28	81	31	78	28	65	30	3.1	3.0	.04	3.1	3.0	.06
		2	Very little	68	14		26	14	33	13	38	14	30	14						
		3	Some	58	12		22	11	33	13	30	11	28	13						
		4	Quite a bit	67	14		29	15	31	12	42	15	25	12						
		5	Very much	156	32		61	32	85	32	89	32	67	31						
Total	492	100	192	100	263	100	277	100	215	100										
b. Athletic teams (varsity, JV, club sport, etc.)	hinvathl	1	Not at all	108	22	3.4	49	26	55	21	59	21	49	23	3.1	3.6 **	-.29	3.5	3.2	.17
		2	Very little	41	8		23	12	16	6	16	6	25	12						
		3	Some	79	16		33	17	37	14	41	15	38	18						
		4	Quite a bit	81	16		33	17	40	15	50	18	31	14						
		5	Very much	184	37		54	28	116	44	112	40	72	33						
Total	493	100	192	100	264	100	278	100	215	100										

*p<.05, **p<.01, ***p<.001 (2-tailed)

Frequencies and Statistical Comparisons

Northern Michigan University

First-Year Students

First-Year Students				Frequency Distributions										Statistical Comparisons						
Item wording or description	Variable name	Values ^c	Response options	All Students			First-Generation ^a				Self-Reported HS Grades				First-Generation			Self-Reported HS Grades		
							Yes		No		A- or higher		B+ or lower		Yes	No	ES	A- or higher	B+ or lower	ES
				Count	%	Mean	Count	%	Count	%	Count	%	Count	%	Mean	Mean		Mean	Mean	
c. Student government	hstugov	1	Not at all	326	66	1.7	127	66	177	67	170	61	156	72	1.7	1.7	-.01	1.9	1.5 ***	.33
		2	Very little	71	14		30	16	35	13	37	13	34	16						
		3	Some	48	10		20	10	25	9	33	12	15	7						
		4	Quite a bit	22	4		5	3	14	5	17	6	5	2						
		5	Very much	27	5		11	6	13	5	21	8	6	3						
		Total	494	100	193		100	264	100	278	100	216	100							
d. Publications (student newspaper, yearbook, etc.)	hinvpubs	1	Not at all	341	69	1.6	125	65	195	74	193	70	148	69	1.8	1.5 *	.20	1.6	1.7	-.02
		2	Very little	62	13		26	13	29	11	37	13	25	12						
		3	Some	41	8		19	10	19	7	19	7	22	10						
		4	Quite a bit	20	4		8	4	7	3	10	4	10	5						
		5	Very much	29	6		15	8	13	5	18	6	11	5						
		Total	493	100	193		100	263	100	277	100	216	100							
e. Academic clubs or honor societies	hinvhon13	1	Not at all	222	45	2.4	95	49	108	41	76	27	146	68	2.3	2.5	-.16	3.1	1.6 ***	1.15
		2	Very little	51	10		25	13	24	9	20	7	31	14						
		3	Some	80	16		26	13	46	17	53	19	27	13						
		4	Quite a bit	75	15		15	8	54	20	66	24	9	4						
		5	Very much	67	14		32	17	32	12	64	23	3	1						
		Total	495	100	193		100	264	100	279	100	216	100							
f. Vocational clubs (business, health, technology, etc.)	hinvvcl	1	Not at all	333	68	1.7	124	64	185	71	191	69	142	66	1.8	1.6	.18	1.7	1.7	-.01
		2	Very little	62	13		23	12	32	12	34	12	28	13						
		3	Some	41	8		18	9	20	8	20	7	21	10						
		4	Quite a bit	27	5		12	6	12	5	13	5	14	7						
		5	Very much	30	6		16	8	13	5	20	7	10	5						
		Total	493	100	193		100	262	100	278	100	215	100							
g. Religious youth groups	hrelgrp	1	Not at all	345	70	1.7	140	73	178	68	198	72	147	68	1.6	1.7	-.13	1.6	1.7	-.06
		2	Very little	43	9		16	8	24	9	21	8	22	10						
		3	Some	49	10		18	9	28	11	30	11	19	9						
		4	Quite a bit	28	6		10	5	16	6	12	4	16	7						
		5	Very much	26	5		7	4	16	6	15	5	11	5						
		Total	491	100	191		100	262	100	276	100	215	100							

*p<.05, **p<.01, ***p<.001 (2-tailed)

Frequencies and Statistical Comparisons

Northern Michigan University

First-Year Students

First-Year Students				Frequency Distributions										Statistical Comparisons							
Item wording or description	Variable name	Values ^c	Response options	All Students			First-Generation ^a				Self-Reported HS Grades				First-Generation			Self-Reported HS Grades			
							Yes		No		A- or higher		B+ or lower		Yes	No	ES	A- or higher	B+ or lower		
				Count	%	Mean	Count	%	Count	%	Count	%	Count	%	Mean	Mean		Mean	Mean	Mean	ES
h Community service or volunteer work	hvolntr	1	Not at all	68	14	3.1	35	18	29	11	29	10	39	18	3.0	3.2	-.18	3.3	2.8 ***	.43	
		2	Very little	85	17		34	18	41	16	39	14	46	21							
		3	Some	145	29		51	27	83	32	78	28	67	31							
		4	Quite a bit	122	25		46	24	67	26	78	28	44	21							
		5	Very much	72	15		26	14	42	16	54	19	18	8							
		Total	492	100	192		100	262	100	278	100	214	100								

12. During your *last year* of high school, to what extent did your course challenge you to do your best work?

	hchallenge	1	Not at all	12	2	4.6	5	3	6	2	6	2	6	3	4.6	4.5	.07	4.6	4.5	.14
		2		23	5		6	3	15	6	12	4	11	5						
		3		68	14		22	11	40	15	31	11	37	17						
		4		115	23		51	27	56	21	63	23	52	24						
		5		160	33		64	33	85	32	99	36	61	28						
		6		75	15		28	15	43	16	45	16	30	14						
		7	Very much	39	8		16	8	18	7	21	8	18	8						
		Total		492	100		192	100	263	100	277	100	215	100						

13. During the coming school year, about how many hours do you expect to spend in a typical 7-day week doing the following?

a. Preparing for class (studying, reading, writing, doing homework or lab work, analyzing data, rehearsing, and other academic activities)	cacadpr13hrs	0	0	1	0	16.1	1	1	0	0	0	0	1	0	16.4	16.0	.05	16.7	15.4 *	.19
		3	1-5	28	6		11	6	16	6	11	4	17	8						
		8	6-10	76	16		30	16	40	15	41	15	35	17						
		13	11-15	122	26		45	23	74	28	67	25	55	27						
		18	16-20	123	26		54	28	62	24	72	27	51	25						
		23	21-25	82	17		32	17	48	18	54	20	28	14						
		28	26-30	27	6		9	5	18	7	16	6	11	5						
		33	More than 30	15	3		10	5	5	2	8	3	7	3						
		Total		474	100		192	100	263	100	269	100	205	100						
b. Working for pay on- or off-campus	cworkhrs	0	0	93	20	11.7	34	18	57	22	55	21	38	18	13.1	10.7 **	.26	10.5	13.2 **	-.30
		3	1-5	51	11		18	9	31	12	37	14	14	7						
		8	6-10	70	15		24	13	41	16	41	15	29	14						
		13	11-15	97	20		34	18	56	21	58	22	39	19						
		18	16-20	88	19		44	23	41	16	46	17	42	20						
		23	21-25	42	9		20	10	22	8	19	7	23	11						
		28	26-30	14	3		5	3	8	3	7	3	7	3						
		33	More than 30	19	4		13	7	6	2	5	2	14	7						

*p<.05, **p<.01, ***p<.001 (2-tailed)

Frequencies and Statistical Comparisons

Northern Michigan University

First-Year Students

First-Year Students				Frequency Distributions								Statistical Comparisons										
Item wording or description	Variable name	Values ^c	Response options	All Students				First-Generation ^a				Self-Reported HS Grades				First-Generation			Self-Reported HS Grades			
							Yes		No		A- or higher		B+ or lower		Yes		No	A- or higher	B+ or lower			
				Count	%	Mean	Count	%	Count	%	Count	%	Count	%	Mean	Mean	ES	Mean	Mean	ES		
		Total		474	100		192	100	262	100	268	100	206	100								

Frequencies and Statistical Comparisons

Northern Michigan University

First-Year Students

First-Year Students				Frequency Distributions										Statistical Comparisons						
Item wording or description	Variable name	Values ^c	Response options	All Students			First-Generation ^a				Self-Reported HS Grades				First-Generation			Self-Reported HS Grades		
				Count	%	Mean	Yes		No		A- or higher		B+ or lower		Yes	No	ES	A- or higher	B+ or lower	ES
							Count	%	Count	%	Count	%	Count	%	Mean	Mean		Mean	Mean	
c. Participating in co-curricular activities (organizations, campus publications, student government, fraternity or sorority, intercollegiate or intramural sports, etc.)	ccocurrhrs	0	0	42	9	9.0	23	12	18	7	13	5	29	14	8.1	9.7 *	-.22	9.4	8.5	.12
	3	1-5	135	29	64		34	62	23	78	29	57	28							
	8	6-10	129	27	46		24	80	30	76	28	53	26							
	13	11-15	88	19	30		16	56	21	59	22	29	14							
	18	16-20	50	11	16		8	32	12	28	10	22	11							
	23	21-25	16	3	8		4	8	3	8	3	8	4							
	28	26-30	3	1	0		0	3	1	1	0	2	1							
	33	More than 30	10	2	4		2	5	2	6	2	4	2							
	Total	473	100	191	100		264	100	269	100	204	100								
d. Relaxing and socializing (time with friends, video games, TV or videos, keeping up with friends online, etc.)	csocial13hrs	0	0	4	1	11.5	3	2	1	0	1	0	3	1	11.1	11.9	-.11	11.5	11.4	.01
	3	1-5	77	16	30		16	42	16	39	15	38	19							
	8	6-10	172	36	79		41	89	34	96	36	76	37							
	13	11-15	118	25	40		21	72	27	76	28	42	20							
	18	16-20	54	11	23		12	30	11	30	11	24	12							
	23	21-25	23	5	10		5	12	5	17	6	6	3							
	28	26-30	9	2	3		2	6	2	4	1	5	2							
	33	More than 30	16	3	5		3	11	4	5	2	11	5							
	Total	473	100	193	100		263	100	268	100	205	100								
14. During the coming school year, of the time you expect to spend preparing for class in a typical 7-day week, about how much will be on assigned reading?																				
ctmread17	1	Very little	16	3	2.9	6	3	9	3	8	3	8	4	3.0	2.9	.12	2.9	2.9	.02	
	2	Some	136	29		53	27	78	30	77	29	59	29							
	3	About half	196	42		76	39	114	43	112	42	84	41							
	4	Most	117	25		55	28	60	23	66	25	51	25							
	5	Almost all	5	1		3	2	2	1	3	1	2	1							
	Total	470	100	193		100	263	100	266	100	204	100								
15. During the coming school year, about how often do you expect to do the following?																				
a. Ask another student to help you understand course material	cCLaskhlp	1	Never	10	2	2.7	2	1	8	3	7	3	3	1	2.8	2.7	.14	2.6	2.8 *	-.22
	2	Sometimes	180	38	71		37	106	40	113	42	67	33							
	3	Often	212	45	89		46	117	44	113	42	99	49							
	4	Very often	67	14	30		16	33	13	33	12	34	17							
	Total	469	100	192	100		264	100	266	100	203	100								

*p<.05, **p<.01, ***p<.001 (2-tailed)

Frequencies and Statistical Comparisons

Northern Michigan University

First-Year Students

Item wording or description	Variable name	Values ^c	Response options	Frequency Distributions										Statistical Comparisons						
				All Students			First-Generation ^a				Self-Reported HS Grades				First-Generation			Self-Reported HS Grades		
							Yes		No		A- or higher		B+ or lower		Yes	No	ES	A- or higher	B+ or lower	ES
				Count	%	Mean	Count	%	Count	%	Count	%	Count	%	Mean	Mean		Mean	Mean	
b. Explain course material to one or more students	cCLxplain	1	Never	10	2	2.5	7	4	3	1	5	2	5	2	2.5	2.5	-.06	2.6	2.5	.17
		2	Sometimes	232	50		94	49	135	51	122	46	110	54						
		3	Often	190	41		78	41	105	40	117	44	73	36						
		4	Very often	36	8		13	7	21	8	22	8	14	7						
		Total		468	100		192	100	264	100	266	100	202	100						
c. Prepare for exams by discussing or working through course material with other students	cCLstudy	1	Never	11	2	2.9	4	2	7	3	6	2	5	2	3.0	2.9	.05	2.9	3.0	-.09
		2	Sometimes	116	25		51	26	65	25	69	26	47	23						
		3	Often	231	49		88	46	136	52	132	50	99	49						
		4	Very often	111	24		50	26	56	21	58	22	53	26						
		Total		469	100		193	100	264	100	265	100	204	100						
d. Work with other students on course projects or assignments	cCLproject	1	Never	6	1	2.9	3	2	3	1	5	2	1	0	2.9	2.9	-.02	2.8	3.0	-.17
		2	Sometimes	129	28		57	30	72	27	78	30	51	25						
		3	Often	241	52		93	48	138	52	135	51	106	52						
		4	Very often	91	19		40	21	50	19	46	17	45	22						
		Total		467	100		193	100	263	100	264	100	203	100						
e. Talk about career plans with a faculty member	cSFcareer	1	Never	12	3	2.7	5	3	7	3	7	3	5	2	2.8	2.6 *	.21	2.7	2.7	-.11
		2	Sometimes	198	42		72	37	123	47	116	44	82	40						
		3	Often	181	39		77	40	97	37	104	39	77	38						
		4	Very often	77	16		39	20	36	14	38	14	39	19						
		Total		468	100		193	100	263	100	265	100	203	100						
f. Work with a faculty member on activities other than coursework (committees, student groups, etc.)	cSFothrwrk	1	Never	42	9	2.4	14	7	28	11	26	10	16	8	2.4	2.3	.12	2.3	2.4	-.12
		2	Sometimes	242	52		100	52	137	52	139	53	103	51						
		3	Often	145	31		61	32	79	30	81	31	64	32						
		4	Very often	38	8		18	9	19	7	18	7	20	10						
		Total		467	100		193	100	263	100	264	100	203	100						
g. Discuss your academic performance with a faculty member	cSFprform	1	Never	13	3	2.5	4	2	9	3	11	4	2	1	2.6	2.5 *	.19	2.5	2.6 *	-.18
		2	Sometimes	235	50		94	49	140	53	138	52	97	48						
		3	Often	174	37		69	36	96	36	92	35	82	40						
		4	Very often	47	10		26	13	19	7	24	9	23	11						
		Total		469	100		193	100	264	100	265	100	204	100						
h. Discuss course topics, ideas, or concepts with a faculty member outside of class	cSFdiscuss	1	Never	26	6	2.4	7	4	19	7	16	6	10	5	2.5	2.4	.18	2.4	2.5 *	-.19
		2	Sometimes	257	55		102	53	152	58	156	59	101	50						
		3	Often	145	31		66	34	72	27	73	28	72	35						
		4	Very often	40	9		18	9	21	8	20	8	20	10						
		Total		468	100		193	100	264	100	265	100	204	100						

*p<.05, **p<.01, ***p<.001 (2-tailed)

Frequencies and Statistical Comparisons

Northern Michigan University

First-Year Students

First-Year Students				Frequency Distributions										Statistical Comparisons							
Item wording or description	Variable name	Values ^c	Response options	All Students			First-Generation ^a				Self-Reported HS Grades				First-Generation			Self-Reported HS Grades			
				Count	%	Mean	Yes		No		A- or higher		B+ or lower		Yes	No	ES	A- or higher		B+ or lower	
							Count	%	Count	%	Count	%	Count	%	Mean	Mean		Mean	Mean	ES	
			Total	468	100		193	100	264	100	265	100	203	100							
i Prepare two or more drafts of a paper or assignment before turning it in	cdrafting	1	Never	25	5		8	4	17	6	15	6	10	5							
		2	Sometimes	161	34		68	35	91	34	89	34	72	36							
		3	Often	193	41	2.7	82	43	104	39	109	41	84	42	2.7	2.7	.02	2.7	2.7	.03	
		4	Very often	88	19		34	18	52	20	52	20	36	18							
		Total	467	100		192	100	264	100	265	100	202	100								
j Come to class without completing readings or assignments	cunprepard	1	Never	325	69		136	70	182	69	197	74	128	63							
		2	Sometimes	109	23		42	22	64	24	55	21	54	27							
		3	Often	15	3	1.4	6	3	8	3	7	3	8	4	1.4	1.4	.02	1.3	1.5 **	-.28	
		4	Very often	19	4		9	5	9	3	6	2	13	6							
		Total	468	100		193	100	263	100	265	100	203	100								
16. During the coming school year, about how often do you expect to have discussions with people from the following groups?																					
a. People of a race or ethnicity other than your own	cDVrace	1	Never	11	2		6	3	5	2	4	2	7	3							
		2	Sometimes	75	16		34	18	41	16	38	14	37	18							
		3	Often	207	44	3.2	82	42	119	45	131	50	76	37	3.1	3.2	-.06	3.2	3.2	.01	
		4	Very often	173	37		71	37	97	37	90	34	83	41							
		Total	466	100		193	100	262	100	263	100	203	100								
b. People from an economic background other than your own	cDVeconomic	1	Never	9	2		5	3	4	2	4	2	5	2							
		2	Sometimes	58	12		27	14	31	12	28	11	30	15							
		3	Often	227	49	3.2	89	46	133	51	142	54	85	42	3.2	3.2	-.04	3.2	3.2	-.02	
		4	Very often	174	37		72	37	95	36	90	34	84	41							
		Total	468	100		193	100	263	100	264	100	204	100								
c. People with religious beliefs other than your own	cDVreligion	1	Never	14	3		6	3	8	3	6	2	8	4							
		2	Sometimes	68	15		37	19	29	11	36	14	32	16							
		3	Often	212	45	3.2	80	41	128	49	133	50	79	39	3.1	3.2	-.11	3.2	3.2	-.03	
		4	Very often	173	37		70	36	97	37	89	34	84	41							
		Total	467	100		193	100	262	100	264	100	203	100								
d. People with political views other than your own	cDVpolitical	1	Never	21	4		11	6	10	4	8	3	13	6							
		2	Sometimes	93	20		41	21	51	19	55	21	38	19							
		3	Often	200	43	3.0	73	38	123	47	122	46	78	38	3.0	3.0	-.01	3.0	3.0	-.02	
		4	Very often	154	33		68	35	80	30	80	30	74	36							
		Total	468	100		193	100	264	100	265	100	203	100								

*p<.05, **p<.01, ***p<.001 (2-tailed)

Frequencies and Statistical Comparisons

Northern Michigan University

First-Year Students

First-Year Students				Frequency Distributions										Statistical Comparisons							
Item wording or description	Variable name	Values ^c	Response options	All Students			First-Generation ^a				Self-Reported HS Grades				First-Generation			Self-Reported HS Grades			
				Count	%	Mean	Yes		No		A- or higher		B+ or lower		Yes	No	ES	A- or higher	B+ or lower	ES	
							Count	%	Count	%	Count	%	Count	%	Mean	Mean		Mean	Mean		
17. During the coming school year, how certain are you that you will do the following?																					
a. Study when there are other interesting things to do	cotherint	1	Not at all certain	7	1		2	1	4	2	3	1	4	2							
		2		30	6		8	4	22	8	18	7	12	6							
		3		96	21		49	25	45	17	50	19	46	23							
		4		182	39	4.0	72	37	105	40	105	40	77	38	4.1	4.0	.03	4.1	4.0	.06	
		5		110	24		41	21	67	25	63	24	47	23							
		6	Very certain	43	9		21	11	21	8	25	9	18	9							
		Total		468	100		193	100	264	100	264	100	204	100							
b. Find additional information for course assignments when you don't understand the material	cfindinfo	1	Not at all certain	2	0		0	0	2	1	2	1	0	0							
		2		8	2		4	2	4	2	4	2	4	2							
		3		51	11		26	13	24	9	24	9	27	13							
		4		117	25	4.7	41	21	74	28	63	24	54	27	4.7	4.7	.05	4.8	4.6	.13	
		5		178	38		69	36	102	39	103	39	75	37							
		6	Very certain	110	24		53	27	57	22	67	25	43	21							
		Total		466	100		193	100	263	100	263	100	203	100							
c. Participate regularly in course discussions, even when you don't feel like it	ccourdis	1	Not at all certain	6	1		0	0	5	2	4	2	2	1							
		2		39	8		18	9	20	8	19	7	20	10							
		3		112	24		44	23	67	25	58	22	54	26							
		4		132	28	4.1	55	28	73	28	79	30	53	26	4.2	4.0	.12	4.1	4.0	.09	
		5		120	26		42	22	74	28	70	27	50	25							
		6	Very certain	59	13		34	18	25	9	34	13	25	12							
		Total		468	100		193	100	264	100	264	100	204	100							
d. Ask instructors for help when you struggle with course assignments	caskinst	1	Not at all certain	9	2		4	2	4	2	7	3	2	1							
		2		15	3		7	4	8	3	10	4	5	2							
		3		63	14		21	11	39	15	30	11	33	16							
		4		119	26	4.6	49	25	70	27	76	29	43	21	4.7	4.5	.12	4.5	4.7	-.10	
		5		128	27		46	24	78	30	69	26	59	29							
		6	Very certain	132	28		66	34	64	24	71	27	61	30							
		Total		466	100		193	100	263	100	263	100	203	100							

*p<.05, **p<.01, ***p<.001 (2-tailed)

Frequencies and Statistical Comparisons

Northern Michigan University

First-Year Students

First-Year Students				Frequency Distributions										Statistical Comparisons						
Item wording or description	Variable name	Values ^c	Response options	All Students			First-Generation ^a				Self-Reported HS Grades				First-Generation			Self-Reported HS Grades		
				Count	%	Mean	Yes		No		A- or higher		B+ or lower		Yes	No	ES	A- or higher	B+ or lower	ES
							Count	%	Count	%	Count	%	Count	%	Mean	Mean		Mean	Mean	
e. Finish something you have started when you encounter challenges	cfinish	1	Not at all certain	3	1	4.8	1	1	2	1	2	1	1	0	4.8	4.7	.12	4.8	4.7	.09
		2	5	1	2		1	3	1	1	0	4	2							
		3	44	9	20		10	22	8	23	9	21	10							
		4	123	26	44		23	75	28	72	27	51	25							
		5	166	36	62		32	101	38	91	34	75	37							
		6	Very certain	125	27		63	33	61	23	75	28	50	25						
	Total	466	100	192	100	264	100	264	100	202	100									
f. Stay positive, even when you do poorly on a test or assignment	cstaypos	1	Not at all certain	10	2	4.2	4	2	5	2	8	3	2	1	4.3	4.2	.08	4.0	4.4 **	-.30
		2	33	7	9		5	22	8	21	8	12	6							
		3	94	20	39		20	52	20	61	23	33	16							
		4	126	27	53		28	72	27	74	28	52	26							
		5	121	26	51		27	66	25	61	23	60	30							
		6	Very certain	83	18		36	19	47	18	39	15	44	22						
	Total	467	100	192	100	264	100	264	100	203	100									
18. During the coming school year, how difficult do you expect the following to be?																				
a. Learning course material	clearmma	1	Not at all difficult	9	2	3.8	3	2	6	2	6	2	3	1	3.9	3.8	.10	3.7	3.9	-.18
		2	38	8	14		7	23	9	23	9	15	7							
		3	122	26	49		25	69	26	77	29	45	22							
		4	189	40	77		40	109	41	104	39	85	42							
		5	89	19	41		21	46	17	43	16	46	23							
		6	Very difficult	20	4		9	5	11	4	11	4	9	4						
	Total	467	100	193	100	264	100	264	100	203	100									
b. Managing your time	cmantime	1	Not at all difficult	11	2	4.0	4	2	7	3	6	2	5	2	4.0	4.0	-.02	4.0	4.0	-.02
		2	45	10	22		11	23	9	34	13	11	5							
		3	104	22	41		21	59	22	51	19	53	26							
		4	148	32	63		33	83	32	80	30	68	33							
		5	99	21	37		19	59	22	56	21	43	21							
		6	Very difficult	59	13		26	13	32	12	36	14	23	11						
	Total	466	100	193	100	263	100	263	100	203	100									

*p<.05, **p<.01, ***p<.001 (2-tailed)

Frequencies and Statistical Comparisons

Northern Michigan University

First-Year Students

First-Year Students				Frequency Distributions								Statistical Comparisons								
Item wording or description	Variable name	Values ^c	Response options	All Students			First-Generation ^a				Self-Reported HS Grades				First-Generation			Self-Reported HS Grades		
				Count	%	Mean	Yes		No		A- or higher		B+ or lower		Yes	No	ES	A- or higher	B+ or lower	ES
							Count	%	Count	%	Count	%	Count	%	Mean	Mean		Mean	Mean	
c. Paying college or university expenses	cpaycoll	1	Not at all difficult	42	9	4.1	9	5	33	13	27	10	15	7	4.4	3.9 ***	.36	4.0	4.3	-.17
		2		55	12		17	9	36	14	36	14	19	9						
		3		60	13		25	13	33	13	35	13	25	12						
		4		84	18		33	17	50	19	50	19	34	17						
		5		111	24		50	26	59	22	52	20	59	29						
		6	Very difficult	114	24		59	31	53	20	64	24	50	25						
		Total		466	100	193	100	264	100	264	100	202	100							
d. Getting help with school work	cgethelp	1	Not at all difficult	48	10	3.0	17	9	30	11	28	11	20	10	3.1	2.9	.15	2.9	3.1	-.13
		2		123	26		49	25	72	27	77	29	46	23						
		3		146	31		55	28	85	32	83	31	63	31						
		4		103	22		49	25	54	20	51	19	52	26						
		5		34	7		18	9	16	6	17	6	17	8						
		6	Very difficult	12	3		5	3	7	3	8	3	4	2						
		Total		466	100	193	100	264	100	264	100	202	100							
e. Making new friends	cmakefr	1	Not at all difficult	73	16	3.2	28	15	45	17	37	14	36	18	3.2	3.2	.00	3.3	3.0 *	.24
		2		91	20		37	19	52	20	41	16	50	25						
		3		114	25		52	27	59	22	72	27	42	21						
		4		99	21		43	22	54	21	55	21	44	22						
		5		49	11		16	8	31	12	35	13	14	7						
		6	Very difficult	38	8		16	8	22	8	24	9	14	7						
		Total		464	100	192	100	263	100	264	100	200	100							
f. Interacting with faculty	cintfac	1	Not at all difficult	67	14	2.9	28	15	39	15	39	15	28	14	2.9	2.9	.00	3.0	2.9	.09
		2		115	25		46	24	65	25	59	22	56	28						
		3		140	30		59	31	79	30	80	30	60	30						
		4		89	19		40	21	48	18	53	20	36	18						
		5		38	8		13	7	23	9	20	8	18	9						
		6	Very difficult	17	4		7	4	10	4	13	5	4	2						
		Total		466	100	193	100	264	100	264	100	202	100							
19. During the coming school year, about how often do you expect to seek help with coursework from the following sources?																				
a. Faculty members	cseekfac	1	Never	5	1	2.7	1	1	4	2	5	2	0	0	2.7	2.7	.05	2.6	2.7	-.13
		2	Sometimes	197	42		83	43	109	41	115	44	82	41						
		3	Often	201	43		80	41	118	45	110	42	91	45						
		4	Very often	61	13		29	15	32	12	32	12	29	14						

*p<.05, **p<.01, ***p<.001 (2-tailed)

Frequencies and Statistical Comparisons

Northern Michigan University

First-Year Students

First-Year Students				Frequency Distributions										Statistical Comparisons																		
Item wording or description	Variable name	Values ^c	Response options	First-Generation ^a										Self-Reported HS Grades								First-Generation			Self-Reported HS Grades							
				All Students			Yes		No		A- or higher		B+ or lower		Yes		No		A- or higher		B+ or lower		Yes		No		A- or higher		B+ or lower			
				Count	%	Mean	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%
				Count	%	Mean	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%
		Total		464	100		193	100	263	100	262	100	202	100																		

Frequencies and Statistical Comparisons

Northern Michigan University

First-Year Students

First-Year Students				Frequency Distributions										Statistical Comparisons											
Item wording or description	Variable name	Values ^c	Response options	All Students								First-Generation ^a				Self-Reported HS Grades				First-Generation			Self-Reported HS Grades		
				Yes			No			A- or higher		B+ or lower		Yes		No		A- or higher		B+ or lower					
				Count	%	Mean	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%			
b. Academic advisors	cseekaa	1	Never	16	3		4	2	12	5	14	5	2	1											
		2	Sometimes	236	51		92	48	139	53	141	54	95	47											
		3	Often	168	36	2.5	70	36	95	36	87	33	81	40	2.6	2.5 *	.24	2.4	2.6 **	-.27					
		4	Very often	45	10		27	14	18	7	21	8	24	12											
		Total	465	100		193	100	264	100	263	100	202	100												
c. Learning support services (tutoring, writing center, success coaching, etc.)	cseekls	1	Never	43	9		11	6	32	12	33	13	10	5											
		2	Sometimes	207	45		91	47	114	43	125	48	82	41											
		3	Often	153	33	2.5	62	32	85	32	73	28	80	40	2.6	2.4	.14	2.4	2.6 **	-.29					
		4	Very often	61	13		29	15	32	12	32	12	29	14											
		Total	464	100		193	100	263	100	263	100	201	100												
d. Friends or other students	cseekfrnd	1	Never	2	0		0	0	2	1	2	1	0	0											
		2	Sometimes	94	20		47	24	45	17	56	21	38	19											
		3	Often	227	49	3.1	90	47	131	50	132	50	95	47	3.0	3.1	-.13	3.0	3.1	-.14					
		4	Very often	141	30		56	29	85	32	73	28	68	34											
		Total	464	100		193	100	263	100	263	100	201	100												
e. Family members	cseekfam	1	Never	123	27		51	26	71	27	82	31	41	20											
		2	Sometimes	202	44		84	44	115	44	109	41	93	46											
		3	Often	96	21	2.1	38	20	54	21	50	19	46	23	2.1	2.1	.03	2.0	2.2 *	-.21					
		4	Very often	43	9		20	10	23	9	22	8	21	10											
		Total	464	100		193	100	263	100	263	100	201	100												
f. Other persons or offices	cseekoth	1	Never	61	13		20	10	39	15	41	16	20	10											
		2	Sometimes	304	65		119	62	181	69	177	67	127	63											
		3	Often	78	17	2.1	41	21	35	13	36	14	42	21	2.2	2.1 **	.28	2.0	2.2 **	-.28					
		4	Very often	22	5		13	7	9	3	9	3	13	6											
		Total	465	100		193	100	264	100	263	100	202	100												

20. How prepared are you to do the following in your academic work at this institution?

a. Write clearly and effectively	cSGwrite	1	Not at all prepared	4	1		2	1	2	1	2	1	2	1						
		2		17	4		8	4	9	3	9	3	8	4						
		3		55	12		33	17	21	8	19	7	36	18						
		4		141	31	4.5	59	31	77	29	75	29	66	33	4.4	4.7 **	-.27	4.7	4.3 ***	.34
		5		140	30		53	28	86	33	87	33	53	27						
		6	Very prepared	105	23		37	19	68	26	70	27	35	18						
		Total		462	100		192	100	263	100	262	100	200	100						

*p<.05, **p<.01, ***p<.001 (2-tailed)

Frequencies and Statistical Comparisons

Northern Michigan University

First-Year Students

First-Year Students				Frequency Distributions										Statistical Comparisons							
Item wording or description	Variable name	Values ^c	Response options	First-Generation ^a								Self-Reported HS Grades				First-Generation			Self-Reported HS Grades		
				All Students			Yes		No		A- or higher		B+ or lower		Yes	No	ES	A- or higher	B+ or lower	ES	
				Count	%	Mean	Count	%	Count	%	Count	%	Count	%	Mean	Mean		Mean	Mean		
b. Speak clearly and effectively	cSGspeak	1	Not at all prepared	3	1		2	1	1	0	1	0	2	1							
		2		24	5		12	6	12	5	11	4	13	7							
		3		84	18		36	19	47	18	40	15	44	22							
		4		124	27	4.4	53	28	68	26	70	27	54	27	4.3	4.4	-.15	4.5	4.2 *	.20	
		5		145	31		61	32	81	31	93	35	52	26							
		6	Very prepared	82	18		28	15	54	21	47	18	35	18							
		Total	462	100		192	100	263	100	262	100	200	100								
c. Think critically and analytically	cSGthink	1	Not at all prepared	2	0		1	1	1	0	1	0	1	1							
		2		6	1		4	2	2	1	3	1	3	2							
		3		49	11		23	12	24	9	21	8	28	14							
		4		138	30	4.7	67	35	68	26	70	27	68	34	4.5	4.8 **	-.30	4.8	4.5 **	.28	
		5		155	34		62	32	91	35	95	36	60	30							
		6	Very prepared	112	24		35	18	77	29	72	27	40	20							
		Total	462	100		192	100	263	100	262	100	200	100								
d. Analyze numerical and statistical information	cSGanalyze	1	Not at all prepared	5	1		3	2	2	1	4	2	1	1							
		2		31	7		13	7	18	7	16	6	15	8							
		3		85	18		41	21	40	15	42	16	43	22							
		4		155	34	4.2	71	37	83	32	75	29	80	40	4.0	4.3 **	-.26	4.3	4.0 *	.24	
		5		126	27		49	26	76	29	86	33	40	20							
		6	Very prepared	60	13		15	8	44	17	39	15	21	11							
		Total	462	100		192	100	263	100	262	100	200	100								
e. Work effectively with others	cSGothers	1	Not at all prepared	1	0		0	0	1	0	1	0	0	0							
		2		7	2		4	2	3	1	5	2	2	1							
		3		38	8		13	7	24	9	18	7	20	10							
		4		115	25	4.8	48	25	66	25	63	24	52	26	4.8	4.8	.00	4.8	4.8	.02	
		5		164	35		74	38	86	33	99	38	65	32							
		6	Very prepared	138	30		54	28	83	32	76	29	62	31							
		Total	463	100		193	100	263	100	262	100	201	100								
f. Use computing and information technology	cgncompt13	1	Not at all prepared	3	1		2	1	1	0	2	1	1	1							
		2		33	7		7	4	25	10	21	8	12	6							
		3		87	19		39	20	46	17	51	19	36	18							
		4		140	30	4.2	60	31	79	30	76	29	64	32	4.3	4.2	.09	4.2	4.3	-.10	
		5		122	26		51	26	71	27	74	28	48	24							
		6	Very prepared	77	17		34	18	41	16	38	15	39	20							
		Total																			

*p<.05, **p<.01, ***p<.001 (2-tailed)

Frequencies and Statistical Comparisons

Northern Michigan University

First-Year Students

First-Year Students				Frequency Distributions										Statistical Comparisons									
Item wording or description	Variable name	Values ^c	Response options	All Students			First-Generation ^a				Self-Reported HS Grades				First-Generation			Self-Reported HS Grades					
				Count	%	Mean	Yes		No		A- or higher		B+ or lower		Yes		No		ES	A- or higher		B+ or lower	
							Count	%	Count	%	Count	%	Count	%	Mean	Mean	Mean	Mean		Mean	Mean	ES	
g. Learn effectively on your own	cgningq	Total		462	100		193	100	263	100	262	100	200	100									
		1	Not at all prepared	3	1		1	1	2	1	2	1	1	1									
		2		15	3		6	3	9	3	4	2	11	6									
		3		61	13		32	17	27	10	27	10	34	17									
		4		136	29	4.5	65	34	70	27	59	23	77	39	4.4	4.7 *	-.24	4.8	4.2 ***	.49			
		5		143	31		56	29	86	33	97	37	46	23									
		6	Very prepared	104	23		33	17	69	26	73	28	31	16									
Total				462	100		193	100	263	100	262	100	200	100									
21. How important is it to you that your instiution provides the following?																							
a. A challenging academic experience	cacadexp	1	Not important	6	1		1	1	5	2	3	1	3	2									
		2		16	3		9	5	7	3	4	2	12	6									
		3		96	21		42	22	52	20	43	16	53	27									
		4		184	40	4.1	78	40	105	40	98	37	86	43	4.1	4.2	-.05	4.3	3.9 ***	.44			
		5		111	24		43	22	66	25	81	31	30	15									
		6	Very important	49	11		20	10	28	11	33	13	16	8									
		Total				462	100		193	100	263	100	262	100	200	100							
b. Support to help students succeed academically	cSEacad	1	Not important	1	0		0	0	1	0	1	0	0	0									
		2		3	1		2	1	1	0	1	0	2	1									
		3		20	4		11	6	9	3	8	3	12	6									
		4		68	15	5.2	27	14	39	15	34	13	34	17	5.2	5.3	-.11	5.3	5.1 **	.25			
		5		144	31		64	33	78	30	76	29	68	34									
		6	Very important	225	49		88	46	135	51	142	54	83	42									
		Total				461	100		192	100	263	100	262	100	199	100							
c. Opportunities to interact with students from different backgrounds (social, racial/ethnic, religious, etc.)	cSEdiv	1	Not important	6	1		1	1	5	2	5	2	1	1									
		2		15	3		7	4	7	3	11	4	4	2									
		3		44	10		20	10	24	9	20	8	24	12									
		4		83	18	4.8	37	19	44	17	40	15	43	22	4.8	4.9	-.08	4.9	4.8	.06			
		5		144	31		65	34	79	30	84	32	60	30									
		6	Very important	170	37		63	33	104	40	102	39	68	34									
		Total				462	100		193	100	263	100	262	100	200	100							

*p<.05, **p<.01, ***p<.001 (2-tailed)

Frequencies and Statistical Comparisons

Northern Michigan University

First-Year Students

First-Year Students				Frequency Distributions										Statistical Comparisons						
Item wording or description	Variable name	Values ^c	Response options	All Students			First-Generation ^a				Self-Reported HS Grades				First-Generation			Self-Reported HS Grades		
							Yes		No		A- or higher		B+ or lower		Yes	No		A- or higher	B+ or lower	
				Count	%	Mean	Count	%	Count	%	Count	%	Count	%	Mean	Mean	ES	Mean	Mean	ES
d. Help managing your non-academic responsibilities (work, family, etc.)	cSEnacad	1	Not important	10	2		3	2	7	3	8	3	2	1						
		2		36	8		15	8	21	8	16	6	20	10						
		3		69	15		29	15	40	15	34	13	35	18						
		4		144	31	4.2	63	33	78	30	75	29	69	35	4.2	4.2	.00	4.3	4.1	.15
		5		118	26		50	26	67	25	80	31	38	19						
		6	Very important	84	18		33	17	50	19	48	18	36	18						
		Total	461	100		193	100	263	100	261	100	200	100							
e. Opportunities to be involved socially	cSEsoc	1	Not important	6	1		2	1	4	2	5	2	1	1						
		2		12	3		7	4	5	2	6	2	6	3						
		3		52	11		25	13	27	10	32	12	20	10						
		4		105	23	4.7	48	25	55	21	46	18	59	30	4.6	4.8	-.17	4.7	4.6	.08
		5		160	35		66	34	93	35	95	36	65	33						
		6	Very important	126	27		45	23	79	30	77	30	49	25						
		Total	461	100		193	100	263	100	261	100	200	100							
f. Opportunities to attend campus activities and events	cSEact	1	Not important	4	1		2	1	2	1	3	1	1	1						
		2		12	3		7	4	5	2	6	2	6	3						
		3		51	11		24	12	27	10	29	11	22	11						
		4		104	23	4.7	50	26	51	19	47	18	57	29	4.6	4.8 *	-.20	4.8	4.6	.15
		5		157	34		60	31	96	37	93	36	64	32						
		6	Very important	132	29		50	26	82	31	83	32	49	25						
		Total	460	100		193	100	263	100	261	100	199	100							
g. Learning support services (tutoring, writing center, success coaching, etc.)	cSEserv	1	Not important	3	1		1	1	2	1	2	1	1	1						
		2		17	4		7	4	10	4	9	3	8	4						
		3		49	11		21	11	27	10	28	11	21	11						
		4		106	23	4.7	56	29	49	19	59	23	47	24	4.7	4.8	-.12	4.7	4.7	.01
		5		139	30		52	27	87	33	81	31	58	29						
		6	Very important	145	32		56	29	87	33	82	31	63	32						
		Total	459	100		193	100	262	100	261	100	198	100							

*p<.05, **p<.01, ***p<.001 (2-tailed)

BCSSE 2020

First-Year Student Scale Means

Northern Michigan University

Scale Means About This Report

BCSSE Scales provide a useful summary of the detailed information contained in your students' BCSSE responses. By combining responses to related BCSSE questions, each scale offers valuable information about a distinct aspect of student engagement.

1. **Student status:** Class level as reported by your students.
2. **Scale description and variable name:** A brief description of the BCSSE scale along with the variable name for easy reference to your datafile and codebook. See Scale Descriptions for more information.
3. **Mean:** The unweighted scale mean is reported overall for the institution, as well as by first-generation status and high school grades.
4. **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 tend to generate more statistically significant results even though the magnitude of mean differences may be inconsequential. Consult effect sizes (see #5) to judge the practical meaning of differences. Unless otherwise noted, statistical comparisons are two-tailed independent t -tests
5. **Effect size:** Effect size indicates practical significance. An effect size of .2 is often considered small, .5 moderate, and .8 large. Effect sizes for independent t -tests use Cohen's d . Cohen's d is calculated by dividing the mean difference by the pooled standard deviation. See: Cohen, J. (1988). *Statistical power analysis for the behavioral sciences (2nd edition)*. New York: Psychology Press.

Scale Mean Scores and Selected Student Comparisons

BCSSEville State University

First-Year Students

BCSSE Scales	Variable ^a	All Students			First-Generation ^a			Self-Reported High School Grades				
					Yes	No	ES	A- or higher	B+ or lower	ES		
		Mean	SD	N	Mean	Mean		Mean	Mean			
Quantitative Reasoning												
High school engagement with analysts and numerical information	HS_QR	26.3	14.1	1221	25.4	27.7	**	-0.16	26.6	26.2	0.02	
Learning Strategies												
Use of effective learning strategies in high school	HS_LS	36.6	12.7	1220	36.4	36.8		-0.04	37.5	35.3	**	.17
Collaborative Learning												
Expectation to interact and collaborate with peers	EXP_CL	34.9	10.7	1232	34.3	35.1		-0.07	35.5	33.6	**	.17
Student-Faculty Interaction												
Expectation to interact and engage with faculty	EXP_SFI	30.4	11.5	1234	29.9	30.9		-0.09	30.0	30.0		.05
Expected Discussions with Diverse Others												
Expectation to engage in discussions with diverse others	EXP_DD	42.1	13.9	1233	40.8	43.0	**	-0.15	43.1	40.1	***	.21
Expected Academic Perseverance												
Student certainty that they will persist in the face of academic adversity	EXP_PER	40.6	9.8	1233	40.8	41.1		-0.03	41.8	39.8	***	.20
Expected Academic Difficulty												
Expected academic difficulty during the coming year	EXP_DIF	26.3	10.4	1233	26.9	25.0	**	.18	25.9	26.3		-.04
Perceived Academic Preparation												
Student perception of their academic preparation	PER_PREP	41.9	10.2	1233	41.6	42.9	*	-0.13	43.4	40.6	***	.27
Importance of Campus Environment												
Student-rated importance that the institution provides a challenging and supportive environment	IMP_CAMP	41.3	10.7	1233	41.1	41.7		-0.05	42.2	40.1	***	.20

Scale Mean Scores and Selected Student Comparisons

Northern Michigan University

First-Year Students

BCSSE Scales	Variable ^b	All Students			First-Generation ^a			Self-Reported High School Grades		
					Yes	No		A- or higher	B+ or lower	
		Mean	SD	N	Mean	Mean	ES	Mean	Mean	ES
Quantitative Reasoning										
<i>High school engagement with analysis and numerical information</i>	HS_QR	30.4	14.0	496	29.5	31.2	-.12	31.7	28.7	* .22
Learning Strategies										
<i>Use of effective learning strategies in high school</i>	HS_LS	37.1	12.9	493	38.5	36.7	.14	38.6	35.2	** .26
Collaborative Learning										
<i>Expectation to interact and collaborate with peers</i>	EXP_CL	35.4	11.2	468	35.5	35.1	.04	34.9	36.1	-.10
Student-Faculty Interaction										
<i>Expectation to interact and engage with faculty</i>	EXP_SFI	30.2	12.1	468	31.5	28.9	* .22	29.2	31.4	-.18
Expected Discussions with Diverse Others										
<i>Expectation to engage in discussions with diverse others</i>	EXP_DD	42.9	13.9	467	42.2	43.1	-.07	42.8	43.0	-.01
Expected Academic Perseverance										
<i>Student certainty that they will persist in the face of academic adversity</i>	EXP_PER	40.7	9.9	467	41.5	40.3	.12	40.6	40.9	-.03
Expected Academic Difficulty										
<i>Expected academic difficulty during the coming year</i>	EXP_DIF	29.0	10.5	466	29.5	28.7	.07	28.7	29.5	-.07
Perceived Academic Preparation										
<i>Student perception of their academic preparation</i>	PER_PREP	41.8	9.3	462	40.6	42.7	* -.23	43.0	40.2	** .30
Importance of Campus Environment										
<i>Student-rated importance that the institution provides a challenging and supportive environment</i>	IMP_CAMP	43.9	9.8	461	43.1	44.5	-.14	44.8	42.7	* .22

BCSSE Scales

BCSSE Scales scores were calculated by converting the responses for each item to a 0-60 range. A mean scale score was then calculated for each student. Below is a brief description of each scale with the component BCSSE items in parentheses.

Scale name	Description	Scale items
<i>Quantitative Reasoning</i> (HS_QR)	High school engagement with analysis and numerical information (First-year students only)	hQRconclud, hQRproblm, hQRrevaluat
<i>Learning Strategies</i> (HS_LS)	Use of effective learning strategies in high school. (First-year students only)	hLSreading, hLSnotes, hLSsummry
<i>Learning Strategies</i> (TR_LS)	Use of effective learning strategies at prior institution (Transfer students only)	tLSreading, tLSnotes, tLSsummry
<i>Collaborative Learning</i> (EXP_CL)	Expectation to interact and collaborate with peers	cCLaskhlp, cCLxplain, cCLstudy, cCLproject
<i>Student-Faculty Interaction</i> (EXP_SFI)	Expectation to interact and engage with faculty	cSFcareer, cSFothrwrk, cSFprform, cSFdiscuss
<i>Discussions with Diverse Others</i> (EXP_DD)	Expectation to engage in discussions with diverse others	cDVRace, cDVEconomc, cDVreligion, cDVpolitical
<i>Academic Perseverance</i> (EXP_PER)	Student certainty that they will persist in the face of academic adversity	cotherint, cfindinfo, ccourdis, caskinst, cfinish, cstaypos
<i>Academic Difficulty</i> (EXP_DIF)	Expected academic difficulty during the coming year	clearnma, cmantime, cgethelp, cintfac
<i>Perceived Academic Preparation</i> (PER_PREP)	Student perception of their academic preparation	cSGwrite, cSGspeak, cSGthink, cSGanalyze, cSGothers, cgncompt13, cgninq
<i>Importance of Campus Environment</i> (IMP_CAMP)	Student-rated importance that the institution provides a challenging and supportive environment	cacadexp, cSEacad, cSEdiv, cSEnacad, cSEsoc, cSEact, cSFserv

(11111 - 111111)

provides a challenging and supportive environment

COLLEGE

BCSSE 2020 First-Year Student Institutional Report

Endnotes

- a. First generation is defined as no parent or guardian having graduated with a 4-year college degree.
- b. Please refer to BCSSE Scale Descriptions for items included in the scale.
- c. These are the values used to calculate means. For the majority of items, these values match the codes in the data file and codebook. 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.