

NSSE McMaster University 2014

[Administration Summary](#)

[Frequencies and Statistical Comparisons](#)

[Engagement Indicators](#)

NSSE 2014
Administration Summary
McMaster University

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Administration Summary

This report provides an overview of your NSSE administration, including details about your population and sample, response rates, representativeness of your respondents, survey customization choices, and recruitment message schedule. This information can be useful for assessing data quality and planning future NSSE administrations.

Population and Respondents

The table at right reports your institution's population sizes, how many students were sampled (whether census-administered or randomly selected), and how many completed the survey.

Survey completions	<i>First-year</i>	<i>Senior</i>
Submitted population	5,977	5,819
Adjusted population ^a	5,975	5,811
Survey sample ^b	5,975	5,811
Total respondents ^b	1,548	1,614
Full completions ^c	1,225	1,345
Partial completions	323	269

a. Adjusted for ineligible students and those for whom survey requests were returned as undeliverable.

b. Targeted and locally administered oversamples were not included.

c. Completed at least one demographic question after the core engagement items on the survey.

Response Rate and Sampling Error^a

The table below summarizes response rates and sampling errors for your institution and comparison groups. For more information see NSSE's Response Rate FAQ: nsse.iub.edu/pdf/Resp_Rate_FAQ.pdf

	<i>First-year</i>				<i>Senior</i>			
	McMaster	Ontario	U15	Canada 2014	McMaster	Ontario	U15	Canada 2014
Response rate	26%	32%	33%	30%	28%	35%	32%	32%
Sampling error ^b	+/- 2.1%	+/- 0.5%	+/- 0.5%	+/- 0.3%	+/- 2.1%	+/- 0.5%	+/- 0.5%	+/- 0.4%

a. Comparison group response rate and sampling error were computed at the student level (i.e., they are not institution averages).

b. Also called "margin of error," sampling error is an estimate of the amount the true score on a given item could differ from the estimate based on a sample. For example, if the sampling error is +/- 5.0% and 40% of your students reply "Very often" to a particular item, then the true population value is most likely between 35% and 45%.

Representativeness and Weighting

The first table at right reports on variables submitted in your population file. Respondent and population percentages are listed side by side as a convenience to see how well the characteristics of your respondents reflect your first-year and senior populations.

Because females and full-time students are consistently overrepresented among respondents, NSSE weights results by institution-reported sex and enrollment status so institutional estimates reflect the population with respect to these characteristics. The second table at right provides the respondent and population proportions used to calculate your 2014 weights. For more information, see

nsse.iub.edu/html/weighting.cfm

Representativeness

	<i>First-year</i>		<i>Senior</i>	
	Respondent %	Population %	Respondent %	Population %
Female	64	52	59	51
Full-time	96	94	82	77
First-time, first-year	90	88	N/A	N/A
Race/ethnicity ^a				
Am. Indian or Alaska Native	N/A	N/A	N/A	N/A
Asian	N/A	N/A	N/A	N/A
Black or African American	N/A	N/A	N/A	N/A
Hispanic or Latino	N/A	N/A	N/A	N/A
Native Hawaiian/Other Pac. Isl.	N/A	N/A	N/A	N/A
White	N/A	N/A	N/A	N/A
Other	N/A	N/A	N/A	N/A
Foreign or nonresident alien	N/A	N/A	N/A	N/A
Two or more races/ethnicities	N/A	N/A	N/A	N/A
Unknown	N/A	N/A	N/A	N/A

a. Based on the IPEDS categories (not available for Canadian institutions) submitted in the population file. Results not reported for institutions without full (at least 90%) race/ethnicity information in the population file.

Weighting

	<i>First-year</i>		<i>Senior</i>	
	Respondent %	Population %	Respondent %	Population %
Full-time, female	61	49	50	41
Full-time, male	35	45	32	35
Part-time, female	2	3	9	10
Part-time, male	2	3	9	13

Population File

Your institution provided a population file for survey administration and was afforded an opportunity to update it.

Population file options

Included "group" variables ^a	No
Identified an oversample ^b	No
Updated to identify ineligible students ^c	No
Identified students who completed BCSSE 2013 ^d	BCSSE not administered

- a. Institutions had the option to include additional variables in their population files for oversampling or for their own post hoc analyses. Up to five "group" variables were allowed; If formatting specifications were met, Group 1 can be used in the Report Builder–Institution Version.
- b. Institutions that did not survey all first-year and senior students (census) had the option to oversample a segment of their population. Oversamples may also be used to survey students in other class years.
- c. Institutions had the option to update their population file to identify students who did not return to campus in the spring or otherwise did not meet NSSE eligibility criteria.
- d. Institutions that participated in the Beginning College Survey of Student Engagement (BCSSE) can identify BCSSE survey respondents in their NSSE population file. This information is required to receive the longitudinal results in the *BCSSE-NSSE Combined Report*.

Survey Options

The options at right were available to customize the content of your NSSE survey and to collect complementary data from companion surveys.

Administration features

Sample type	Census
Recruitment method	Email
Incentive offered	Yes
Survey version	Canadian English
Institution logo used in survey	Yes

Additional question sets and companion surveys

Asked optional sexual orientation question	No
Topical module(s)	Transferable Skills
Consortium	Ontario Universities
BCSSE 2013	No
FSSE 2014	No

Recruitment Messages

Students received up to five direct contacts. Your institution had the option to customize message content and timing.

Message schedule

	Date	Cumulative response rate	
		<i>First-year</i>	<i>Senior</i>
Invitation	02/12/2014	7%	7%
Reminder 1	02/20/2014	13%	13%
Reminder 2	03/04/2014	18%	19%
Reminder 3	03/10/2014	22%	24%
Final reminder	03/18/2014	26%	28%

Report Customization

Your institution had the option to customize the comparison groups used in reports. The group selected for the *Snapshot* comparisons is identified with an asterisk.

Comparison groups for NSSE core survey reports

Group 1	Ontario (default)
Group 2	U15* (customized)
Group 3	Canada 2014 (customized)

Comparison groups for additional question set report(s)

Ontario Universities	Ontario (default)
Topical Module: Transferable Skills	Transferable Skills (customized)

NSSE 2014

Frequencies and Statistical Comparisons

McMaster 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.

NSSE 2014 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 Web site (nsse.iub.edu) or contact a member of the NSSE team.

1. **Class level:** As reported by your institution.
2. **Item numbers:** Numbering corresponds to the survey facsimile included in your *Institutional Report* and available on the NSSE Web site.
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. **Values and response options:** Values are used to calculate means. Response options are worded as they appear on the instrument.

5. **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: nsse.iub.edu/html/weighting.cfm

6. **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 #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 2014 Frequencies and Statistical Comparisons

NSSEville State University

		Frequency Distributions ^a								Statistical Comparisons ^b									
		NSSEville State		Public Master's L		Large Public		NSSE 2013 & 2014		NSSEville State		Public Master's L		Large Public		NSSE 2013 & 2014			
Item wording # description	Variable name*	Values ^d	Response options	Count	%	Count	%	Count	%	Count	%	Mean	Mean	Effect size ^e	Mean	Effect size ^e	Mean	Effect size ^e	
6. During the current school year, about how often have you done the following?																			
a. Reached conclusions based on your own analysis of numerical information (numbers, graphs, statistics, etc.)	QRconclude	1	Never	68	6	8,616	14	8,407	13	43,329	13	2.9	2.6 ***	.31	2.6 ***	.28	2.6 ***	.28	
		2	Sometimes	307	28	20,467	33	20,064	32	103,303	32								
		3	Often	374	36	19,337	32	19,953	33	100,187	33								
		4	Very often	298	30	12,371	21	13,018	22	66,650	22								
			Total	1,043	100	60,791	100	61,442	100	113,469	100								
b. Used numerical information to examine a real-world problem or issue (unemployment, climate change, public health, etc.)	QRproblem	1	Never	147	14	12,110	20	11,150	20	50,885	19	2.6	2.4 ***	.20	2.4 ***	.20	2.4 ***	.18	
		2	Sometimes	366	35	22,556	37	22,155	36	115,411	36								
		3	Often	294	28	14,007	27	14,432	27	84,466	27								
		4	Very often	234	23	9,888	17	10,058	17	52,057	17								
			Total	1,041	100	60,658	100	61,330	100	312,819	100								
c. Evaluated what others have concluded from numerical information	QRevaluate	1	Never	110	10	11,688	19	11,280	18	56,993	18	2.7	2.4 ***	.29	2.4 ***	.27	2.4 ***	.26	
		2	Sometimes	367	35	23,158	38	23,396	38	118,394	38								
		3	Often	333	32	16,466	28	17,101	28	87,844	28								
		4	Very often	231	23	9,140	15	9,355	16	48,722	16								
			Total	1,041	100	60,452	100	61,132	100	311,953	100								

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

NSSE 2014 Frequencies and Statistical Comparisons

McMaster University

First-Year Students

Item wording or description				Frequency Distributions ^a								Statistical Comparisons ^b									
				McMaster		Ontario		U15		Canada 2014		McMaster		Ontario		U15		Canada 2014			
				Count	%	Count	%	Count	%	Count	%	Mean	Effect size ^e	Mean	Effect size ^e	Mean	Effect size ^e	Mean	Effect size ^e		
1. During the current school year, about how often have you done the following?																					
a. Asked questions or contributed to course discussions in other ways				askquest	1	Never	145	9	3,339	12	4,275	16	7,679	13	2.5	2.4 *** △	.10	2.3 *** △	.24	2.4 *** △	.10
				2	Sometimes	738	48	14,062	49	13,985	51	28,451	48								
				3	Often	424	27	7,310	26	6,032	23	14,411	25								
				4	Very often	231	15	3,535	13	2,766	11	7,614	13								
				Total		1,538	100	28,246	100	27,058	100	58,155	100								
b. Prepared two or more drafts of a paper or assignment before turning it in				drafts	1	Never	436	29	7,048	25	7,422	28	15,528	27	2.2	2.2 * ▽	-.06	2.2 -0.03	2.2	-0.04	
				2	Sometimes	547	35	10,368	37	9,480	35	20,636	36								
				3	Often	344	23	7,118	25	6,683	25	14,282	25								
				4	Very often	202	13	3,549	12	3,318	12	7,371	12								
				Total		1,529	100	28,083	100	26,903	100	57,817	100								
c. Come to class without completing readings or assignments				unpreparedr <i>(Reverse-coded version of unprepared created by NSSE.)</i>	1	Very often	170	11	2,730	10	2,614	10	4,997	9	2.7	2.7 ** ▽	-.09	2.7 * ▽	-.07	2.8 *** ▽	-.15
				2	Often	378	26	6,236	22	6,316	24	12,338	21								
				3	Sometimes	757	49	14,732	52	13,838	51	30,289	52								
				4	Never	222	15	4,317	16	4,092	15	10,051	18								
				Total		1,527	100	28,015	100	26,860	100	57,675	100								
d. Attended an art exhibit, play or other arts performance (dance, music, etc.)				attendart	1	Never	865	57	15,700	57	14,044	52	31,519	55	1.6	1.6 -0.04	-.04	1.7 *** ▽	-0.10	1.6 * ▽	-0.06
				2	Sometimes	455	30	8,031	28	8,680	32	17,250	30								
				3	Often	134	9	2,821	10	2,775	11	5,967	10								
				4	Very often	64	4	1,336	5	1,242	5	2,741	5								
				Total		1,518	100	27,888	100	26,741	100	57,477	100								
e. Asked another student to help you understand course material				CLaskhelp	1	Never	120	9	2,358	9	2,176	9	5,407	10	2.7	2.6 *** △	.10	2.6 * △	.07	2.6 *** △	.15
				2	Sometimes	536	36	11,016	40	10,397	39	23,326	41								
				3	Often	517	33	9,333	33	8,993	33	18,906	32								
				4	Very often	351	22	5,223	18	5,215	19	9,908	17								
				Total		1,524	100	27,930	100	26,781	100	57,547	100								
f. Explained course material to one or more students				Clexplain	1	Never	51	4	1,167	5	1,239	5	2,962	6	2.8	2.7 *** △	.10	2.7 *** △	.14	2.7 *** △	.18
				2	Sometimes	489	33	10,057	37	10,082	38	21,903	39								
				3	Often	605	40	10,716	39	10,065	38	21,507	38								
				4	Very often	346	23	5,513	20	4,926	19	10,104	18								
				Total		1,491	100	27,453	100	26,312	100	56,476	100								

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

NSSE 2014 Frequencies and Statistical Comparisons

McMaster University

First-Year Students

				Frequency Distributions ^a								Statistical Comparisons ^b							
				McMaster				Ontario				U15				Canada 2014			
				McMaster		Ontario		U15		Canada 2014		McMaster		Ontario		U15		Canada 2014	
				Count		Count		Count		Count		Mean		Mean		Mean		Mean	
				%		%		%		%		Effect size ^e		Effect size ^e		Effect size ^e		Effect size ^e	
Item wording or description	Variable name ^c	Values ^d	Response options																
g. Prepared for exams by discussing or working through course material with other students	CLstudy	1	Never	210	15	3,746	14	3,569	14	8,154	15	2.6	2.6	.00	2.6	.01	2.6	.05	
		2	Sometimes	497	33	9,425	34	9,149	35	19,539	35								
		3	Often	446	29	8,253	30	7,884	30	16,913	29								
		4	Very often	350	23	6,069	22	5,739	22	11,940	21								
		Total		1,503	100	27,493	100	26,341	100	56,546	100								
h. Worked with other students on course projects or assignments	CLproject	1	Never	91	6	3,623	14	3,296	13	7,096	13	2.7	2.6 ***	.21	2.6 ***	.17	2.6 ***	.16	
		2	Sometimes	537	36	10,150	36	9,429	36	19,645	35								
		3	Often	506	34	8,523	31	8,198	31	17,576	31								
		4	Very often	359	24	5,150	19	5,380	20	12,131	21								
		Total		1,493	100	27,446	100	26,303	100	56,448	100								
i. Gave a course presentation	present	1	Never	263	18	11,236	42	11,918	46	23,046	41	2.2	1.8 ***	.41	1.7 ***	.56	1.9 ***	.39	
		2	Sometimes	774	52	10,624	38	10,094	38	21,305	38								
		3	Often	316	21	3,805	14	2,991	12	8,120	15								
		4	Very often	138	9	1,625	6	1,139	4	3,648	6								
		Total		1,491	100	27,290	100	26,142	100	56,119	100								
2. During the current school year, about how often have you done the following?																			
a. Combined ideas from different courses when completing assignments	RIintegrate	1	Never	79	6	1,718	6	1,728	7	3,597	7	2.8	2.7 **	.07	2.7 ***	.12	2.7 ***	.10	
		2	Sometimes	502	35	9,976	37	9,749	38	20,352	37								
		3	Often	535	36	10,172	38	9,876	38	21,216	38								
		4	Very often	343	23	5,182	19	4,510	17	10,345	18								
		Total		1,459	100	27,048	100	25,863	100	55,510	100								
b. Connected your learning to societal problems or issues	RIsocietal	1	Never	122	9	2,786	10	2,889	12	5,667	11	2.6	2.6 **	.07	2.5 ***	.14	2.6 **	.08	
		2	Sometimes	524	37	10,426	39	10,377	41	21,260	39								
		3	Often	520	35	9,206	34	8,535	33	19,031	34								
		4	Very often	282	18	4,342	16	3,798	15	8,900	16								
		Total		1,448	100	26,760	100	25,599	100	54,858	100								
c. Included diverse perspectives (political, religious, racial/ethnic, gender, etc.) in course discussions or assignments	RIdiverse	1	Never	258	19	5,109	20	6,141	24	11,616	22	2.4	2.4	.04	2.2 ***	.20	2.3 ***	.12	
		2	Sometimes	555	39	10,448	39	10,492	41	22,403	41								
		3	Often	403	28	7,585	28	6,298	25	14,395	26								
		4	Very often	229	15	3,607	13	2,598	10	6,431	12								
		Total		1,445	100	26,749	100	25,529	100	54,845	100								

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

NSSE 2014 Frequencies and Statistical Comparisons

McMaster University

First-Year Students

				Frequency Distributions ^a								Statistical Comparisons ^b							
				McMaster		Ontario		U15		Canada 2014		McMaster		Ontario		U15		Canada 2014	
												Your first-year students compared with							
Item wording or description	Variable name ^c	Values ^d	Response options	Count	%	Count	%	Count	%	Count	%	Mean	Mean	Effect size ^e	Mean	Effect size ^e	Mean	Effect size ^e	
d. Examined the strengths and weaknesses of your own views on a topic or issue	Rlownview	1	Never	107	8	2,199	8	2,553	10	5,008	9	2.7	2.6 *	.07	2.5 ***	.16	2.6 ***	.12	
		2	Sometimes	500	34	9,878	37	10,046	39	20,969	38								
		3	Often	580	40	10,525	40	9,448	37	20,930	39								
		4	Very often	256	18	4,081	15	3,413	14	7,770	14								
		Total		1,443	100	26,683	100	25,460	100	54,677	100								
e. Tried to better understand someone else's views by imagining how an issue looks from his or her perspective	Rlperspect	1	Never	91	7	1,652	6	1,839	7	3,546	7	2.8	2.8	.02	2.7 ***	.09	2.7	.05	
		2	Sometimes	468	33	8,729	33	8,748	34	18,223	33								
		3	Often	553	38	10,897	41	10,252	40	22,297	41								
		4	Very often	333	23	5,350	20	4,532	18	10,446	19								
		Total		1,445	100	26,628	100	25,371	100	54,512	100								
f. Learned something that changed the way you understand an issue or concept	Rlnewview	1	Never	48	4	857	3	856	4	1,773	3	2.9	2.9	.03	2.8 *	.06	2.8 *	.05	
		2	Sometimes	418	30	8,007	30	7,856	31	16,729	31								
		3	Often	600	41	11,475	43	11,178	44	23,877	44								
		4	Very often	377	26	6,212	23	5,456	21	12,024	22								
		Total		1,443	100	26,551	100	25,346	100	54,403	100								
g. Connected ideas from your courses to your prior experiences and knowledge	Rlconnect	1	Never	25	2	562	2	513	2	1,086	2	3.1	3.0	.05	3.0 *	.06	3.0 *	.05	
		2	Sometimes	283	20	5,817	22	5,615	22	11,769	22								
		3	Often	642	45	11,769	44	11,452	45	24,552	45								
		4	Very often	481	33	8,322	31	7,670	30	16,788	31								
		Total		1,431	100	26,470	100	25,250	100	54,195	100								
3. During the current school year, about how often have you done the following?																			
a. Talked about career plans with a faculty member	SFcareer	1	Never	634	44	12,827	49	12,643	50	26,563	49	1.8	1.7 **	.08	1.7 ***	.12	1.7 ***	.10	
		2	Sometimes	540	38	9,194	34	8,695	34	19,142	35								
		3	Often	180	12	3,248	12	2,868	11	6,300	12								
		4	Very often	88	6	1,370	5	1,163	4	2,495	5								
		Total		1,442	100	26,639	100	25,369	100	54,500	100								
b. Worked with a faculty member on activities other than coursework (committees, student groups, etc.)	SFotherwork	1	Never	972	67	18,096	68	17,987	71	39,342	72	1.5	1.5	.02	1.4 **	.08	1.4 ***	.11	
		2	Sometimes	315	22	5,401	20	4,770	19	9,828	18								
		3	Often	96	7	2,153	8	1,802	7	3,650	7								
		4	Very often	55	4	882	3	723	3	1,470	3								
		Total		1,438	100	26,532	100	25,282	100	54,290	100								

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

NSSE 2014 Frequencies and Statistical Comparisons

McMaster University

First-Year Students

Item wording or description				Frequency Distributions ^a								Statistical Comparisons ^b						
				McMaster		Ontario		U15		Canada 2014		Your first-year students compared with						
				Count	%	Count	%	Count	%	Count	%	Mean	Mean	Effect size ^e	Mean	Effect size ^e	Mean	Effect size ^e
Variable name ^c	Values ^d	Response options																
c. Discussed course topics, ideas, or concepts with a faculty member outside of class	SFdiscuss	1	Never	636	44	11,758	44	11,958	47	25,270	46	1.8	1.8	.01	1.7 **	.08	1.7 *	.07
		2	Sometimes	529	38	9,825	37	9,126	36	19,979	37							
		3	Often	191	13	3,643	14	3,137	12	6,683	12							
		4	Very often	75	5	1,300	5	1,038	4	2,339	4							
		Total		1,431	100	26,526	100	25,259	100	54,271	100							
d. Discussed your academic performance with a faculty member	SFperform	1	Never	670	46	12,719	48	13,518	54	27,680	51	1.7	1.7	.01	1.6 ***	.14	1.7 **	.09
		2	Sometimes	540	38	9,441	36	8,379	33	18,945	35							
		3	Often	165	12	3,101	12	2,412	10	5,512	10							
		4	Very often	57	4	1,144	4	833	3	1,909	4							
		Total		1,432	100	26,405	100	25,142	100	54,046	100							
4. During the current school year, how much has your coursework emphasized the following?																		
a. Memorizing course material	memorize	1	Very little	85	6	1,138	4	1,012	4	2,216	4	2.9	3.0 ***	-.14	3.0 ***	-.18	3.0 ***	-.15
		2	Some	381	27	6,040	23	5,432	22	12,076	23							
		3	Quite a bit	576	40	10,964	42	10,331	41	22,690	42							
		4	Very much	398	27	8,397	31	8,517	33	17,321	31							
		Total		1,440	100	26,539	100	25,292	100	54,303	100							
b. Applying facts, theories, or methods to practical problems or new situations	HOapply	1	Very little	34	3	1,063	4	1,023	4	2,302	4	3.1	3.0 ***	.13	3.0 ***	.12	3.0 ***	.18
		2	Some	276	19	5,998	23	5,680	22	12,727	24							
		3	Quite a bit	624	43	11,076	42	10,687	43	23,494	43							
		4	Very much	504	35	8,280	31	7,805	31	15,537	28							
		Total		1,438	100	26,417	100	25,195	100	54,060	100							
c. Analyzing an idea, experience, or line of reasoning in depth by examining its parts	HOanalyze	1	Very little	63	5	1,332	5	1,424	6	3,001	6	3.0	2.9	.05	2.9 ***	.09	2.9 ***	.11
		2	Some	358	25	6,902	26	6,856	27	14,970	28							
		3	Quite a bit	579	41	10,664	41	10,283	41	22,258	41							
		4	Very much	429	30	7,380	28	6,549	26	13,605	25							
		Total		1,429	100	26,278	100	25,112	100	53,834	100							
d. Evaluating a point of view, decision, or information source	HOevaluate	1	Very little	126	9	2,271	9	2,949	12	5,358	10	2.8	2.7	.04	2.6 ***	.18	2.7 ***	.12
		2	Some	396	29	8,111	31	8,488	34	17,766	33							
		3	Quite a bit	548	38	10,172	39	9,139	36	20,404	38							
		4	Very much	354	24	5,731	22	4,490	18	10,278	19							
		Total		1,424	100	26,285	100	25,066	100	53,806	100							

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NSSE 2014 Frequencies and Statistical Comparisons

McMaster University

First-Year Students

Item wording or description				Frequency Distributions ^a								Statistical Comparisons ^b													
				McMaster				Ontario				U15				Canada 2014				Your first-year students compared with					
				Count		%		Count		%		Count		%		Count		%		Mean	Mean	Effect size ^e	Mean	Effect size ^e	Mean
Variable name ^c	Values ^d	Response options																							
e. Forming a new idea or understanding from various pieces of information	HOform	1	Very little	119	9	2,127	8	2,353	10	4,698	9	2.8	2.8	.00	2.7 **	.08	2.7 *	.06	△	△					
		2	Some	433	31	7,951	31	8,096	33	16,912	32														
		3	Quite a bit	515	36	10,331	39	9,603	38	21,283	40														
		4	Very much	340	24	5,859	22	4,991	20	10,829	20														
		Total		1,407	100	26,268	100	25,043	100	53,722	100														
5. During the current school year, to what extent have your instructors done the following?																									
a. Clearly explained course goals and requirements	ETgoals	1	Very little	44	3	766	3	599	2	1,403	3	3.0	3.0	-.02	3.0 *	-.06	3.0 *	-.06	▽	▽					
		2	Some	343	24	5,977	22	5,259	21	11,256	21														
		3	Quite a bit	649	45	12,497	47	12,448	49	26,417	49														
		4	Very much	402	28	7,292	27	6,957	27	15,163	28														
		Total		1,438	100	26,532	100	25,263	100	54,239	100														
b. Taught course sessions in an organized way	ETorganize	1	Very little	41	3	692	3	538	2	1,371	3	3.0	3.0	-.03	3.0	-.05	3.0	-.03							
		2	Some	339	23	5,858	22	5,048	20	11,082	21														
		3	Quite a bit	676	47	12,654	48	13,117	52	27,774	51														
		4	Very much	377	26	7,243	27	6,474	26	13,848	26														
		Total		1,433	100	26,447	100	25,177	100	54,075	100														
c. Used examples or illustrations to explain difficult points	ETexample	1	Very little	33	3	978	4	721	3	1,887	4	3.0	3.0	.05	3.0	.03	3.0 *	.05	△						
		2	Some	307	22	5,967	23	5,338	22	11,722	22														
		3	Quite a bit	638	45	11,238	43	11,482	46	24,185	45														
		4	Very much	451	31	8,185	31	7,559	30	16,081	30														
		Total		1,429	100	26,368	100	25,100	100	53,875	100														
d. Provided feedback on a draft or work in progress	ETdraftfb	1	Very little	326	24	5,697	22	5,609	23	11,161	21	2.2	2.3 ***	-.12	2.3 *	-.05	2.3 ***	-.12	▽	▽					
		2	Some	597	42	9,758	37	9,754	39	20,300	38														
		3	Quite a bit	345	24	7,222	27	6,749	27	15,259	28														
		4	Very much	161	11	3,682	14	2,968	12	7,162	13														
		Total		1,429	100	26,359	100	25,080	100	53,882	100														
e. Provided prompt and detailed feedback on tests or completed assignments	ETfeedback	1	Very little	275	19	4,263	16	4,258	17	8,642	16	2.3	2.4 ***	-.09	2.4	-.04	2.4 ***	-.10	▽	▽					
		2	Some	575	40	10,337	39	10,140	41	20,897	39														
		3	Quite a bit	398	28	8,075	31	7,681	31	17,106	32														
		4	Very much	175	12	3,601	14	2,944	12	7,088	13														
		Total		1,423	100	26,276	100	25,023	100	53,733	100														

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NSSE 2014 Frequencies and Statistical Comparisons

McMaster University

First-Year Students

Item wording or description				Frequency Distributions ^a								Statistical Comparisons ^b							
				McMaster		Ontario		U15		Canada 2014		Your first-year students compared with							
				Count	%	Count	%	Count	%	Count	%	McMaster	Ontario	U15	Canada 2014	Effect size ^e	Effect size ^e	Effect size ^e	
Variable name ^c	Values ^d	Response options									Mean	Mean	Effect size ^e	Mean	Effect size ^e	Mean	Effect size ^e		
6. During the current school year, about how often have you done the following?																			
a. Reached conclusions based on your own analysis of numerical information (numbers, graphs, statistics, etc.)		QRconclude	1	Never	267	17	5,454	20	4,773	18	11,804	21	2.5	2.4 *	.06	2.4	.03	2.4 ***	.10
		2	Sometimes	530	36	9,342	35	9,067	36	19,483	36								
		3	Often	421	31	7,893	30	7,747	31	15,708	30								
		4	Very often	221	16	3,802	15	3,608	15	7,114	14								
		Total		1,439	100	26,491	100	25,195	100	54,109	100								
b. Used numerical information to examine a real-world problem or issue (unemployment, climate change, public health, etc.)		QRproblem	1	Never	347	23	7,529	28	7,444	29	16,594	30	2.3	2.1 ***	.12	2.1 ***	.16	2.1 ***	.18
		2	Sometimes	572	40	10,439	39	9,923	39	21,076	39								
		3	Often	337	24	6,071	23	5,602	23	11,766	22								
		4	Very often	176	12	2,400	9	2,161	9	4,547	9								
		Total		1,432	100	26,439	100	25,130	100	53,983	100								
c. Evaluated what others have concluded from numerical information		QRevaluate	1	Never	315	21	7,112	26	6,622	26	15,667	29	2.3	2.2 ***	.14	2.1 ***	.15	2.1 ***	.20
		2	Sometimes	578	40	10,733	41	10,439	42	21,846	41								
		3	Often	374	27	6,271	24	5,938	24	12,148	23								
		4	Very often	159	11	2,221	9	2,030	8	4,114	8								
		Total		1,426	100	26,337	100	25,029	100	53,775	100								
7. During the current school year, about how many papers, reports, or other writing tasks of the following length have you been assigned? (Include those not yet completed.)																			
a. Up to 5 pages		wrshortnum	0	None	112	9	1,574	6	1,868	8	3,391	7	5.8	6.1 *	-.06	6.1	-.06	6.0	-.05
		(Recorded version of wrshort created by NSSE. Values are estimated number of papers, reports, etc.)	1.5	1-2	350	27	5,548	23	5,496	24	11,521	24							
			4	3-5	363	28	7,698	32	6,969	31	15,476	32							
			8	6-10	278	21	5,312	22	4,809	21	10,550	22							
			13	11-15	104	8	1,991	8	1,775	8	4,003	8							
			18	16-20	54	4	827	3	847	4	1,723	4							
			23	More than 20	56	4	1,090	4	1,048	5	2,086	4							
		Total			1,317	100	24,040	100	22,812	100	48,750	100							
b. Between 6 and 10 pages		wrmednum	0	None	314	26	5,511	22	6,236	28	11,761	25	2.6	3.2 ***	-.15	2.9 ***	-.09	3.0 ***	-.12
		(Recorded version of wrmed created by NSSE. Values are estimated number of papers, reports, etc.)	1.5	1-2	544	42	9,060	38	8,179	36	17,898	37							
			4	3-5	291	22	5,760	24	4,982	22	11,445	24							
			8	6-10	94	7	2,453	10	2,095	9	5,020	10							
			13	11-15	24	2	690	3	630	3	1,357	3							
			18	16-20	10	1	225	1	208	1	438	1							
			23	More than 20	6	0	191	1	173	1	333	1							
		Total			1,283	100	23,890	100	22,503	100	48,252	100							

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NSSE 2014 Frequencies and Statistical Comparisons

McMaster University

First-Year Students

Item wording or description				Variable name ^c				Frequency Distributions ^a				Statistical Comparisons ^b												
								McMaster		Ontario		U15		Canada 2014		Your first-year students compared with								
								Count	%	Count	%	Count	%	Count	%	Mean	Mean	Effect size ^e	Mean	Effect size ^e	Mean	Effect size ^e		
c. 11 pages or more				wrlongnum				779	63	13,875	60	13,074	61	26,977	59	1.3	1.6 ***	-0.09	1.5 **	-0.08	1.6 ***	-0.09		
				(Recorded version of wrlong created by NSSE. Values are estimated number of papers, reports, etc.)				1.5	1-2	335	28	5,709	25	5,337	24								12,006	26
								4	3-5	61	5	1,661	8	1,718	8								4,009	9
								8	6-10	22	2	701	3	728	4								1,627	4
								13	11-15	16	1	373	2	338	2								762	2
								18	16-20	7	1	151	1	128	1								287	1
								23	More than 20	10	1	242	1	211	1								463	1
				Total				1,230	100	22,712	100	21,534	100	46,131	100									
Estimated number of assigned pages of student writing.				wrpages								53.8	63.4 ***	-0.13	60.8 **	-0.09	62.1 ***	-0.11						
				(Continuous variable, recoded and summed by NSSE from wrshort, wrmed, and wrlong. Values are estimated pages of assigned writing.)									▽		▽		▽							
8. During the current school year, about how often have you had discussions with people from the following groups?																								
a. People of a race or ethnicity other than your own				DDrace				34	3	1,142	5	1,307	5	3,125	6	3.3	3.2 ***	.17	3.1 ***	.24	3.0 ***	.28		
								2	Sometimes	217	16	5,138	21	5,661	23								12,441	24
								3	Often	375	28	7,082	28	6,609	28								14,423	29
								4	Very often	730	53	11,741	46	10,192	43								20,965	41
								Total				1,356	100	25,103	100								23,769	100
b. People from an economic background other than your own				DDeconomic				52	4	1,430	6	1,549	6	3,485	7	3.1	3.0 ***	.11	2.9 ***	.19	2.9 ***	.21		
								2	Sometimes	299	22	5,980	24	6,485	27								13,690	27
								3	Often	430	32	8,166	33	7,604	32								16,684	33
								4	Very often	571	42	9,426	37	8,039	34								16,881	33
								Total				1,352	100	25,002	100								23,677	100
c. People with religious beliefs other than your own				DDreligion				57	4	1,552	7	2,019	8	4,548	9	3.2	3.0 ***	.12	2.9 ***	.23	2.9 ***	.26		
								2	Sometimes	268	20	5,683	23	6,270	26								13,612	27
								3	Often	405	30	7,466	30	6,767	29								14,716	29
								4	Very often	618	45	10,277	41	8,595	37								17,784	35
								Total				1,348	100	24,978	100								23,651	100
d. People with political views other than your own				DDpolitical				92	7	2,240	9	2,137	9	4,793	10	3.0	2.9 ***	.11	2.8 ***	.14	2.8 ***	.16		
								2	Sometimes	351	26	6,890	28	6,911	29								14,700	29
								3	Often	412	31	7,688	31	7,275	31								15,853	31
								4	Very often	492	36	8,023	32	7,203	31								15,074	30
								Total				1,347	100	24,841	100								23,526	100

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NSSE 2014 Frequencies and Statistical Comparisons

McMaster University

First-Year Students

Item wording or description				Frequency Distributions ^a								Statistical Comparisons ^b										
				McMaster		Ontario		U15		Canada 2014		McMaster		Ontario		U15		Canada 2014				
				Count	%	Count	%	Count	%	Count	%	Mean	Effect size ^e	Mean	Effect size ^e	Mean	Effect size ^e	Mean	Effect size ^e			
9. During the current school year, about how often have you done the following?																						
a. Identified key information from reading assignments				Lsreading		1	Never	44	4	607	3	618	3	1,288	3	3.0	3.1 *	-0.06	3.1 *	-0.07	3.1 **	-0.07
						2	Sometimes	294	22	5,116	21	4,842	21	10,144	20							
						3	Often	564	42	11,121	45	10,135	43	22,006	44							
						4	Very often	442	32	8,131	32	8,064	33	17,263	33							
						Total		1,344	100	24,975	100	23,659	100	50,701	100							
b. Reviewed your notes after class				LSnotes		1	Never	142	11	2,355	10	2,142	9	4,721	9	2.5	2.6	-0.04	2.6 **	-0.08	2.6 **	-0.08
						2	Sometimes	572	42	10,440	42	9,383	40	20,148	40							
						3	Often	380	29	7,272	29	7,040	30	15,036	30							
						4	Very often	254	19	4,825	19	5,007	21	10,595	21							
						Total		1,348	100	24,892	100	23,572	100	50,500	100							
c. Summarized what you learned in class or from course materials				LSummary		1	Never	126	10	2,244	9	2,111	9	4,837	10	2.7	2.7	-0.01	2.7	-0.05	2.7	-0.03
						2	Sometimes	461	35	8,565	35	7,766	33	16,805	34							
						3	Often	447	34	8,315	34	7,611	33	16,342	33							
						4	Very often	298	22	5,499	22	5,856	25	12,053	24							
						Total		1,332	100	24,623	100	23,344	100	50,037	100							
10. During the current school year, to what extent have your courses challenged you to do your best work?																						
				challenge		1	Not at all	10	1	153	1	139	1	297	1	5.5	5.4 **	.09	5.4 **	.08	5.4 ***	.10
						2		25	2	340	2	350	2	732	2							
						3		28	2	981	4	943	4	2,098	4							
						4		149	11	2,966	12	2,683	12	6,004	12							
						5		380	28	7,967	32	7,346	31	16,356	32							
						6		440	32	7,401	29	7,259	31	15,073	29							
						7	Very much	314	23	5,079	20	4,833	20	9,926	19							
						Total		1,346	100	24,887	100	23,553	100	50,486	100							
11. Which of the following have you done or do you plan to do before you graduate?^f																						
a. Participate in an internship, co-op, field experience, student teaching, or clinical placement				intern		Have not decided		203	14	3,916	16	3,471	15	8,100	16	5%	8% ***	-0.12	9% ***	-0.16	10% ***	-0.19
				(Means indicate the percentage who responded "Done or in progress.")		Do not plan to do		82	7	1,703	7	1,488	6	3,772	8							
						Plan to do		991	74	17,075	69	16,258	69	33,249	66							
						Done or in progress		70	5	2,230	8	2,355	9	5,404	10							
						Total		1,346	100	24,924	100	23,572	100	50,525	100							

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NSSE 2014 Frequencies and Statistical Comparisons

McMaster University

First-Year Students

			Frequency Distributions ^a								Statistical Comparisons ^b										
			McMaster		Ontario		U15		Canada 2014		McMaster		Ontario		U15		Canada 2014				
			Count	%	Count	%	Count	%	Count	%	Mean	Effect size ^e	Mean	Effect size ^e	Mean	Effect size ^e	Mean	Effect size ^e			
b. Hold a formal leadership role in a student organization or group	leader <i>(Means indicate the percentage who responded "Done or in progress.")</i>	Have not decided	392	29	7,098	29	6,425	27	14,293	28	8%	9%	-.03	9%	-.05	8%	-.01				
		Do not plan to do	327	25	7,013	29	7,662	32	17,608	35											
		Plan to do	507	38	8,426	33	7,238	31	14,169	28											
		Done or in progress	111	8	2,293	9	2,176	9	4,292	8											
		Total	1,337	100	24,830	100	23,501	100	50,362	100											
c. Participate in a learning community or some other formal program where groups of students take two or more classes together	learncom <i>(Means indicate the percentage who responded "Done or in progress.")</i>	Have not decided	456	33	8,264	33	7,500	32	16,684	33	8%	10% **	-.08	11% ***	-.12	10% *	-.07				
		Do not plan to do	435	34	7,417	31	7,764	34	16,789	34											
		Plan to do	334	25	6,511	26	5,515	23	11,611	23											
		Done or in progress	110	8	2,568	10	2,660	11	5,111	10											
		Total	1,335	100	24,760	100	23,439	100	50,195	100											
d. Participate in a study abroad program	abroad <i>(Means indicate the percentage who responded "Done or in progress.")</i>	Have not decided	429	32	7,618	31	7,135	30	15,491	31	2%	3%	-.02	3%	-.01	3%	-.02				
		Do not plan to do	400	32	6,663	28	6,287	27	14,309	29											
		Plan to do	473	34	9,846	38	9,438	40	19,066	37											
		Done or in progress	30	2	647	3	600	3	1,365	3											
		Total	1,332	100	24,774	100	23,460	100	50,231	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	450	34	9,100	37	8,410	36	18,700	37	4%	3%	.03	4%	.00	3%	.02				
		Do not plan to do	289	21	5,501	23	5,308	22	12,868	26											
		Plan to do	544	42	9,304	38	8,799	38	16,821	34											
		Done or in progress	48	4	755	3	813	4	1,602	3											
		Total	1,331	100	24,660	100	23,330	100	49,991	100											
f. Complete a culminating senior experience (capstone course, senior project or thesis, comprehensive exam, portfolio, etc.)	capstone <i>(Means indicate the percentage who responded "Done or in progress.")</i>	Have not decided	508	38	9,877	40	9,380	40	19,932	40	2%	3%	-.05	2%	-.04	3%	-.05				
		Do not plan to do	237	18	4,421	18	4,215	18	9,561	20											
		Plan to do	567	43	9,692	39	9,173	39	19,169	38											
		Done or in progress	23	2	617	3	560	2	1,286	3											
		Total	1,335	100	24,607	100	23,328	100	49,948	100											
12. About how many of your courses at this institution have included a community-based project (service-learning)?			servcourse		1	None	608	46	14,230	58	14,974	65	31,064	63	1.6	1.5 ***	.15	1.4 ***	.30	1.4 ***	.25
		2	Some	630	48	8,437	34	6,936	30	15,539	31										
		3	Most	73	5	1,599	7	1,131	5	2,777	6										
		4	All	10	1	287	1	215	1	466	1										
		Total		1,321	100	24,553	100	23,256	100	49,846	100										

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

NSSE 2014 Frequencies and Statistical Comparisons

McMaster University

First-Year Students

Item wording or description				Frequency Distributions ^a								Statistical Comparisons ^b							
				McMaster		Ontario		U15		Canada 2014		Your first-year students compared with							
				Count	%	Count	%	Count	%	Count	%	McMaster	Ontario	U15	Canada 2014	Effect size ^e	Effect size ^e	Effect size ^e	
13. Indicate the quality of your interactions with the following people at your institution.																			
a. Students	Q1student	1	Poor	22	2	475	2	425	2	897	2	5.7	5.5 ***	.12	5.5 ***	.12	5.5 ***	.12	
		2		29	2	575	2	524	2	1,136	2								
		3		54	4	1,202	5	1,110	5	2,362	5								
		4		89	6	2,335	9	2,181	9	4,647	9								
		5		281	21	5,659	23	5,420	23	11,350	23								
		6		410	31	7,424	30	7,249	31	15,283	30								
		7	Excellent	449	33	7,065	28	6,488	27	14,279	28								
		—	Not applicable	9	1	138	1	151	1	499	1								
		Total		1,343	100	24,873	100	23,548	100	50,453	100								
b. Academic advisors	Q1advisor	1	Poor	77	6	1,693	7	1,413	6	3,240	6	4.9	4.6 ***	.18	4.6 ***	.17	4.6 ***	.17	
		2		68	5	1,595	6	1,366	6	2,954	6								
		3		96	7	2,149	9	1,822	8	3,893	8								
		4		135	10	3,328	13	2,891	13	6,093	12								
		5		238	18	4,703	19	4,061	17	8,522	17								
		6		241	18	4,107	16	3,771	16	7,969	16								
		7	Excellent	235	18	3,202	13	2,760	12	6,226	12								
		—	Not applicable	246	18	3,998	17	5,377	23	11,349	22								
		Total		1,336	100	24,775	100	23,461	100	50,246	100								
c. Faculty	Q1faculty	1	Poor	52	4	1,352	5	1,096	5	2,265	5	4.9	4.7 ***	.11	4.8 **	.08	4.9	.04	
		2		69	5	1,495	6	1,229	5	2,597	5								
		3		101	8	2,256	9	1,946	8	4,097	8								
		4		203	15	3,820	16	3,677	16	7,575	15								
		5		333	25	5,885	24	5,877	25	12,401	25								
		6		314	24	5,518	22	5,487	23	12,142	24								
		7	Excellent	187	14	3,222	13	2,781	12	6,713	13								
		—	Not applicable	68	5	1,125	5	1,306	6	2,291	5								
		Total		1,327	100	24,673	100	23,399	100	50,081	100								

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

NSSE 2014 Frequencies and Statistical Comparisons

McMaster University

First-Year Students

				Frequency Distributions ^a								Statistical Comparisons ^b													
				McMaster				Ontario				U15				Canada 2014				<i>Your first-year students compared with</i>					
				McMaster		Ontario		U15		Canada 2014		McMaster		Ontario		U15		Canada 2014							
Item wording or description	Variable name ^c	Values ^d	Response options	Count	%	Count	%	Count	%	Count	%	Mean	Mean	Effect size ^e	Mean	Effect size ^e	Mean	Effect size ^e							
d. Student services staff (career services, student activities, housing, etc.)	Qlstaff	1	Poor	83	6	1,845	8	1,363	6	3,258	7	4.7	4.6	.05	4.7	.01	4.7	.02							
		2		77	6	1,510	6	1,226	5	2,703	5														
		3		94	7	1,932	8	1,621	7	3,446	7														
		4		172	13	3,061	12	2,777	12	5,827	12														
		5		238	18	4,530	18	4,320	19	8,742	17														
		6		254	19	4,557	18	4,281	18	8,899	18														
		7	Excellent	166	12	3,143	13	2,683	11	6,072	12														
		—	Not applicable	253	19	4,113	17	5,128	22	11,167	23														
	Total			1,337	100	24,691	100	23,399	100	50,114	100														
e. Other administrative staff and offices (registrar, financial aid, etc.)	Qladmin	1	Poor	71	5	1,746	7	1,384	6	3,152	6	4.7	4.6 *	.06	4.6	.04	4.6	.03							
		2		85	6	1,758	7	1,429	6	3,185	6														
		3		114	8	2,145	8	1,865	8	4,003	8														
		4		178	13	3,445	14	3,101	13	6,552	13														
		5		266	20	4,889	20	4,584	20	9,531	19														
		6		277	21	4,653	19	4,282	18	9,372	18														
		7	Excellent	155	12	3,122	13	2,696	11	6,362	13														
		—	Not applicable	187	14	3,010	13	4,082	18	8,012	16														
	Total			1,333	100	24,768	100	23,423	100	50,169	100														
14. How much does your institution emphasize the following?																									
a. Spending significant amounts of time studying and on academic work	empstudy	1	Very little	18	2	404	2	309	2	816	2	3.2	3.2	.04	3.3	-.05	3.2	.05							
		2	Some	189	15	3,499	15	2,857	13	6,916	15														
		3	Quite a bit	529	42	10,462	45	9,656	44	21,866	46														
		4	Very much	512	41	9,256	38	9,454	42	18,034	37														
			Total	1,248	100	23,621	100	22,276	100	47,632	100														
b. Providing support to help students succeed academically	SEacademic	1	Very little	64	5	1,178	5	1,109	5	2,415	5	3.0	2.9	.04	2.9 ***	.11	2.9 **	.09							
		2	Some	275	23	5,688	25	5,606	26	11,752	26														
		3	Quite a bit	532	42	10,000	43	10,120	46	21,315	45														
		4	Very much	372	29	6,594	27	5,322	23	11,843	24														
			Total	1,243	100	23,460	100	22,157	100	47,325	100														
c. Using learning support services (tutoring services, writing center, etc.)	SElearnsup	1	Very little	117	10	1,751	8	1,865	9	4,178	9	2.8	2.9 **	-.09	2.8	.02	2.8	.01							
		2	Some	310	25	5,499	24	6,055	28	12,383	27														
		3	Quite a bit	477	39	9,208	39	8,814	40	18,590	39														
		4	Very much	335	26	6,973	29	5,393	24	12,149	25														
			Total	1,239	100	23,431	100	22,127	100	47,300	100														

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

NSSE 2014 Frequencies and Statistical Comparisons

McMaster University

First-Year Students

Item wording or description				Frequency Distributions ^a								Statistical Comparisons ^b							
				McMaster		Ontario		U15		Canada 2014		McMaster		Ontario		U15		Canada 2014	
				Count	%	Count	%	Count	%	Count	%	Mean	Effect size ^e	Mean	Effect size ^e	Mean	Effect size ^e	Mean	Effect size ^e
d. Encouraging contact among students from different backgrounds (social, racial/ethnic, religious, etc.)	SEdiverse	1	Very little	223	18	4,248	18	4,455	20	9,609	20	2.5	2.5	.03	2.4 ***	.11	2.4 ***	.10	
		2	Some	394	32	7,842	34	7,851	35	16,304	34								
		3	Quite a bit	382	30	7,146	30	6,508	29	14,007	30								
		4	Very much	247	19	4,242	18	3,368	15	7,474	16								
		Total		1,246	100	23,478	100	22,182	100	47,394	100								
e. Providing opportunities to be involved socially	SEsocial	1	Very little	90	8	2,138	9	2,120	10	4,703	10	2.8	2.8 *	.07	2.7 ***	.12	2.7 ***	.13	
		2	Some	333	27	6,657	29	6,572	30	13,981	30								
		3	Quite a bit	489	39	8,949	38	8,651	39	18,289	39								
		4	Very much	331	26	5,734	24	4,802	21	10,352	21								
		Total		1,243	100	23,478	100	22,145	100	47,325	100								
f. Providing support for your overall well-being (recreation, health care, counseling, etc.)	SEwellness	1	Very little	92	8	2,239	10	2,127	10	4,991	11	2.9	2.8 ***	.10	2.7 ***	.12	2.7 ***	.16	
		2	Some	317	26	6,385	28	6,137	28	13,319	29								
		3	Quite a bit	470	38	8,898	38	8,753	40	18,314	39								
		4	Very much	352	28	5,866	24	5,051	22	10,504	22								
		Total		1,231	100	23,388	100	22,068	100	47,128	100								
g. Helping you manage your non-academic responsibilities (work, family, etc.)	SEnonacad	1	Very little	330	27	6,476	28	6,242	28	13,734	30	2.2	2.2	.05	2.1 **	.09	2.1 ***	.11	
		2	Some	437	36	8,620	37	8,371	38	17,688	37								
		3	Quite a bit	319	26	5,750	25	5,465	25	11,310	24								
		4	Very much	149	12	2,509	11	1,965	9	4,356	9								
		Total		1,235	100	23,355	100	22,043	100	47,088	100								
h. Attending campus activities and events (performing arts, athletic events, etc.)	SEactivities	1	Very little	136	12	3,376	15	2,851	13	6,705	15	2.6	2.6 *	.07	2.6	.05	2.5 **	.08	
		2	Some	408	33	7,611	33	7,165	33	15,049	32								
		3	Quite a bit	445	36	8,076	35	8,115	37	16,922	36								
		4	Very much	243	19	4,236	18	3,870	17	8,319	17								
		Total		1,232	100	23,299	100	22,001	100	46,995	100								
i. Attending events that address important social, economic, or political issues	SEevents	1	Very little	258	22	4,782	21	4,157	19	9,461	20	2.3	2.3 *	-.06	2.4 **	-.09	2.3 *	-.06	
		2	Some	478	40	8,748	38	8,280	38	17,464	38								
		3	Quite a bit	352	28	6,754	29	6,822	31	14,180	30								
		4	Very much	134	11	2,959	13	2,650	12	5,743	12								
		Total		1,222	100	23,243	100	21,909	100	46,848	100								

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

NSSE 2014 Frequencies and Statistical Comparisons

McMaster University

First-Year Students

				Frequency Distributions ^a								Statistical Comparisons ^b																			
				McMaster		Ontario		U15		Canada 2014		McMaster		Ontario		U15		Canada 2014													
				Count	%	Count	%	Count	%	Count	%	Mean	Effect size ^e	Mean	Effect size ^e	Mean	Effect size ^e	Mean	Effect size ^e												
15. About how many hours do you 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)	tmprephrs <i>(Recorded version of tmprep created by NSSE. Values are estimated number of hours per week.)</i>	0 0 hrs 3 1-5 hrs 8 6-10 hrs 13 11-15 hrs 18 16-20 hrs 23 21-25 hrs 28 26-30 hrs 33 More than 30 hrs Total	7 0 121 10 202 16 218 18 210 17 172 14 136 10 174 14 1,240 100	0 1 14 19 17 12 7 9 100	155 1 3,187 14 4,646 20 4,355 19 4,055 17 2,922 12 1,833 7 2,318 9 23,471 100	1 12 18 19 18 13 9 11 100	148 1 2,577 12 3,970 18 4,061 19 3,960 18 2,937 13 1,953 9 2,544 11 22,150 100	1 12 18 19 18 13 9 11 100	301 1 6,781 15 9,554 20 8,907 19 8,165 17 5,657 12 3,519 7 4,420 9 47,304 100	1 15 20 19 17 12 7 9 100	17.7	15.6 *** ▲	.23	16.6 *** ▲	.12	15.3 *** ▲	.26														
b. Participating in co-curricular activities (organizations, campus publications, student government, fraternity or sorority, intercollegiate or intramural sports, etc.)	tmcocurrhrs <i>(Recorded version of tmcocurr created by NSSE. Values are estimated number of hours per week.)</i>	0 0 hrs 3 1-5 hrs 8 6-10 hrs 13 11-15 hrs 18 16-20 hrs 23 21-25 hrs 28 26-30 hrs 33 More than 30 hrs Total	524 43 429 34 131 10 72 6 45 4 15 1 12 1 10 1 1,238 100	0 1 12 5 3 1 1 1 100	10,012 43 8,157 34 2,682 12 1,179 5 717 3 262 1 134 1 142 1 23,285 100	43 34 12 5 3 1 1 1 100	9,706 44 7,617 35 2,515 12 1,054 5 639 3 228 1 117 1 114 1 21,990 100	44 35 12 5 3 1 1 1 100	22,936 49 14,974 31 4,820 10 2,100 5 1,226 3 451 1 200 0 244 1 46,951 100	49 31 10 5 3 1 0 1 100								4.2	3.8 * ▲	.06	3.7 * ▲	.08	3.4 *** ▲	.15							
c. Working for pay on campus	tmworkonhrs <i>(Recorded version of tmworkon created by NSSE. Values are estimated number of hours per week.)</i>	0 0 hrs 3 1-5 hrs 8 6-10 hrs 13 11-15 hrs 18 16-20 hrs 23 21-25 hrs 28 26-30 hrs 33 More than 30 hrs Total	1,140 92 24 2 22 2 20 2 12 1 13 1 2 0 4 0 1,237 100	0 1 2 2 1 1 0 0 100	21,329 91 513 2 569 2 423 2 289 1 139 1 58 0 86 0 23,406 100	91 2 2 2 1 1 0 0 100	20,262 91 496 2 480 2 372 2 257 1 123 1 47 0 69 0 22,106 100	91 2 2 2 1 1 0 0 100	43,235 92 1,101 2 1,036 2 780 2 518 1 242 1 88 0 157 0 47,157 100	92 2 2 2 1 1 0 0 100															1.0	1.1	-.01	1.0	.01	1.0	.01

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

NSSE 2014 Frequencies and Statistical Comparisons

McMaster University

First-Year Students

Frequency Distributions^a

Statistical Comparisons^b

				Your first-year students compared with															
				McMaster		Ontario		U15		Canada 2014		McMaster		Ontario		U15		Canada 2014	
Item wording or description	Variable name ^c	Values ^d	Response options	Count	%	Count	%	Count	%	Count	%	Mean	Mean	Effect size ^e	Mean	Effect size ^e	Mean	Effect size ^e	
d. Working for pay off campus	tmworkoffhrs	0	0 hrs	905	73	16,209	69	14,582	67	28,692	61	3.6	4.4 *** ▽	-1.0	4.3 ** ▽	-.09	5.8 *** ▽	-.24	
	(Recorded version of tmworkoff created by NSSE. Values are estimated number of hours per week.)	3	1-5 hrs	68	5	1,256	5	1,336	6	2,742	6								
	8	6-10 hrs	82	7	1,602	7	1,801	8	3,987	8									
	13	11-15 hrs	60	5	1,578	7	1,743	8	4,154	9									
	18	16-20 hrs	60	5	1,333	6	1,451	6	3,630	8									
	23	21-25 hrs	25	2	675	3	613	3	1,780	4									
	28	26-30 hrs	15	1	253	1	223	1	738	2									
	33	More than 30 hrs	16	2	427	2	308	2	1,294	3									
	Total		1,231	100	23,333	100	22,057	100	47,017	100									
	Estimated number of hours working for pay	tmworkhrs		(Continuous variable created by NSSE)															
e. Doing community service or volunteer work	tmservicehrs	0	0 hrs	771	64	15,059	65	14,296	65	30,674	66	2.2	2.2	-.01	2.0	.03	2.1	.02	
	(Recorded version of tmservice created by NSSE. Values are estimated number of hours per week.)	3	1-5 hrs	342	27	5,472	23	5,405	25	11,147	24								
	8	6-10 hrs	52	4	1,283	6	1,052	5	2,468	5									
	13	11-15 hrs	22	2	573	3	454	2	1,054	2									
	18	16-20 hrs	15	1	367	2	300	1	637	1									
	23	21-25 hrs	13	1	173	1	160	1	307	1									
	28	26-30 hrs	3	0	83	0	62	0	125	0									
	33	More than 30 hrs	6	1	98	0	76	0	169	0									
Total		1,224	100	23,108	100	21,805	100	46,581	100										
f. Relaxing and socializing (time with friends, video games, TV or videos, keeping up with friends online, etc.)	tmrelaxhrs	0	0 hrs	27	2	375	2	339	2	693	2	12.4	13.4 *** ▽	-.12	13.0 * ▽	-.07	13.1 ** ▽	-.09	
	(Recorded version of tmrelax created by NSSE. Values are estimated number of hours per week.)	3	1-5 hrs	250	20	4,303	18	4,009	18	8,828	19								
	8	6-10 hrs	347	28	6,020	25	6,050	27	12,507	26									
	13	11-15 hrs	254	21	4,720	20	4,631	21	9,688	21									
	18	16-20 hrs	165	14	3,340	15	3,149	15	6,652	14									
	23	21-25 hrs	69	6	1,812	8	1,589	7	3,517	8									
	28	26-30 hrs	38	3	900	4	779	4	1,724	4									
	33	More than 30 hrs	75	6	1,744	8	1,360	7	3,170	7									
Total		1,225	100	23,214	100	21,906	100	46,779	100										

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

NSSE 2014 Frequencies and Statistical Comparisons

McMaster University

First-Year Students

Frequency Distributions^a

Statistical Comparisons^b

				Your first-year students compared with															
				McMaster		Ontario		U15		Canada 2014		McMaster	Ontario		U15		Canada 2014		
Item wording or description	Variable name ^c	Values ^d	Response options	Count	%	Count	%	Count	%	Count	%	Mean	Mean	Effect size ^e	Mean	Effect size ^e	Mean	Effect size ^e	
g. Providing care for dependents (children, parents, etc.)	tmcarehrs	0	0 hrs	862	70	15,807	68	15,831	73	32,436	69	2.8	3.0	-.04	2.4 *	.07	3.1	-.04	
	(Recorded version of tmcare created by NSSE. Values are estimated number of hours per week.)	3	1-5 hrs	181	15	3,606	16	3,143	14	6,921	15								
	8	6-10 hrs	73	6	1,462	6	1,179	5	2,761	6									
	13	11-15 hrs	41	3	855	4	611	3	1,487	3									
	18	16-20 hrs	25	2	563	3	427	2	997	2									
	23	21-25 hrs	13	1	263	1	200	1	507	1									
	28	26-30 hrs	4	0	166	1	120	1	310	1									
	33	More than 30 hrs	22	2	410	2	328	2	1,193	3									
	Total			1,221	100	23,132	100	21,839	100	46,612	100								
h. Commuting to campus (driving, walking, etc.)	tmcommutehrs	0	0 hrs	404	32	4,585	20	3,212	15	7,640	16	5.1	6.1 ***	-0.16	6.0 ***	-0.16	6.0 ***	-0.15	
	(Recorded version of tmcommute created by NSSE. Values are estimated number of hours per week.)	3	1-5 hrs	422	34	9,689	40	9,801	44	20,791	44								
	8	6-10 hrs	218	18	4,781	21	5,225	24	10,691	23									
	13	11-15 hrs	110	9	2,442	11	2,339	11	4,823	11									
	18	16-20 hrs	39	3	1,005	4	807	4	1,719	4									
	23	21-25 hrs	20	2	421	2	340	2	707	2									
	28	26-30 hrs	4	0	165	1	111	1	254	1									
	33	More than 30 hrs	13	1	222	1	156	1	367	1									
	Total			1,230	100	23,310	100	21,991	100	46,992	100								
16. Of the time you spend preparing for class in a typical 7-day week, about how much is on assigned reading?																			
reading	(Revised for 2014. Comparison data are limited to NSSE 2014 participating institutions.)	1	Very little	218	18	3,384	15	3,311	15	6,553	14	2.7	2.9 ***	-0.19	2.8 ***	-0.15	2.9 ***	-0.18	
		2	Some	397	33	6,339	27	6,257	29	13,050	28								
		3	About half	255	21	5,540	24	5,233	24	11,582	25								
		4	Most	250	20	5,321	23	4,699	21	10,513	22								
		5	Almost all	96	7	2,651	11	2,412	11	5,126	11								
			Total	1,216	100	23,235	100	21,912	100	46,824	100								
tmreadinghrs	(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)											7.6	7.6	.00	7.8	-.03	7.4	.03	

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

NSSE 2014 Frequencies and Statistical Comparisons

McMaster University

First-Year Students

Item wording or description				Frequency Distributions ^a								Statistical Comparisons ^b									
				McMaster		Ontario		U15		Canada 2014		Your first-year students compared with									
				Count	%	Count	%	Count	%	Count	%	Mean	Mean	Effect size ^e	Mean	Effect size ^e	Mean	Effect size ^e			
tmreadinghrscol (Collapsed version of tmreadinghrs created by NSSE.)				1	0 hrs	6	0	148	1	138	1	279	1	2.6	2.6 *	-0.8	2.5	.03	2.6	-.04	
				2	More than zero, up to 5 hrs	528	45	10,247	45	9,372	44	21,168	46								
				3	More than 5, up to 10 hrs	381	31	6,681	29	6,477	30	13,524	29								
				4	More than 10, up to 15 hrs	119	10	2,569	11	2,436	11	5,036	11								
				5	More than 15, up to 20 hrs	76	6	1,639	7	1,576	7	3,087	6								
				6	More than 20, up to 25 hrs	71	6	1,247	5	1,226	5	2,339	5								
				7	More than 25 hrs	30	2	572	2	572	3	1,128	2								
				Total		1,211	100	23,103	100	21,797	100	46,561	100								
17. How much has your experience at this institution contributed to your knowledge, skills, and personal development in the following areas?																					
a. Writing clearly and effectively				pgwrite	1	Very little	181	15	2,857	12	3,376	16	6,383	14	2.6	2.6 *	-0.8	2.5	.03	2.6	-.04
				2	Some	416	33	7,273	31	7,184	32	14,847	31								
				3	Quite a bit	395	31	8,988	39	7,946	36	17,518	37								
				4	Very much	240	20	4,295	18	3,556	16	8,393	18								
Total		1,232	100	23,413	100	22,062	100	47,141	100												
b. Speaking clearly and effectively				pgspeak	1	Very little	233	19	4,837	21	5,680	26	10,646	23	2.4	2.4	.06	2.2 ***	.23	2.3 ***	.13
				2	Some	415	34	7,855	34	7,855	36	16,491	35								
				3	Quite a bit	375	31	7,330	31	6,055	28	13,887	30								
				4	Very much	200	17	3,279	14	2,376	11	5,890	13								
Total		1,223	100	23,301	100	21,966	100	46,914	100												
c. Thinking critically and analytically				pgthink	1	Very little	43	3	892	4	964	5	2,059	5	3.1	3.0	.06	3.0 ***	.12	3.0 ***	.12
				2	Some	244	20	4,581	20	4,720	22	10,017	22								
				3	Quite a bit	500	41	10,033	43	9,488	43	20,655	44								
				4	Very much	442	36	7,809	33	6,811	31	14,217	30								
Total		1,229	100	23,315	100	21,983	100	46,948	100												
d. Analyzing numerical and statistical information				pganalyze	1	Very little	227	17	5,226	22	4,184	19	10,406	22	2.6	2.5 ***	.14	2.5	.06	2.5 ***	.15
				2	Some	356	29	6,678	28	6,189	28	13,818	29								
				3	Quite a bit	365	30	6,832	30	7,136	33	14,343	31								
				4	Very much	277	24	4,561	20	4,465	21	8,339	18								
Total		1,225	100	23,297	100	21,974	100	46,906	100												

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

NSSE 2014 Frequencies and Statistical Comparisons

McMaster University

First-Year Students

Item wording or description				Variable name ^c				Frequency Distributions ^a				Statistical Comparisons ^b									
								McMaster		Ontario		U15		Canada 2014		Your first-year students compared with					
								Count	%	Count	%	Count	%	Count	%	McMaster	Ontario	Effect size ^e	U15	Effect size ^e	Canada 2014
Values ^d Response options				McMaster		Ontario		U15		Canada 2014		Mean	Mean	Effect size ^e	Mean	Effect size ^e	Mean	Effect size ^e			
e. Acquiring job- or work-related knowledge and skills	pgwork	1	Very little	247	20	5,195	23	4,667	22	9,787	22	2.4	2.4	.06	2.4	.05	2.4	.02			
		2	Some	425	34	7,977	34	7,389	34	15,508	33										
		3	Quite a bit	355	29	6,522	28	6,466	29	14,035	29										
		4	Very much	197	16	3,631	15	3,486	15	7,646	16										
		Total		1,224	100	23,325	100	22,008	100	46,976	100										
f. Working effectively with others	pgothers	1	Very little	121	10	3,180	14	3,310	16	6,620	15	2.7	2.6 ***	.17	2.5 ***	.24	2.6 ***	.20			
		2	Some	374	31	7,478	32	7,311	34	15,315	33										
		3	Quite a bit	416	34	8,149	35	7,593	34	16,326	34										
		4	Very much	316	25	4,468	19	3,744	17	8,625	18										
		Total		1,227	100	23,275	100	21,958	100	46,886	100										
g. Developing or clarifying a personal code of values and ethics	pgvalues	1	Very little	198	16	4,430	19	4,792	22	9,560	21	2.5	2.4 ***	.11	2.3 ***	.22	2.4 ***	.17			
		2	Some	396	33	7,616	33	7,565	34	15,856	34										
		3	Quite a bit	371	30	7,466	32	6,649	30	14,564	31										
		4	Very much	262	21	3,746	16	2,959	13	6,901	15										
		Total		1,227	100	23,258	100	21,965	100	46,881	100										
h. Understanding people of other backgrounds (economic, racial/ethnic, political, religious, nationality, etc.)	pgdiverse	1	Very little	185	16	4,225	19	4,681	22	9,389	20	2.6	2.5 **	.08	2.4 ***	.20	2.4 ***	.15			
		2	Some	400	33	7,398	32	7,424	34	15,540	33										
		3	Quite a bit	361	29	7,241	31	6,414	29	14,016	30										
		4	Very much	282	22	4,446	19	3,437	16	7,963	17										
		Total		1,228	100	23,310	100	21,956	100	46,908	100										
i. Solving complex real-world problems	pgprobsolve	1	Very little	156	13	4,029	18	3,822	18	8,243	18	2.6	2.5 ***	.16	2.5 ***	.19	2.4 ***	.19			
		2	Some	409	33	7,967	34	7,685	35	16,332	35										
		3	Quite a bit	387	32	7,354	31	6,968	32	14,952	32										
		4	Very much	270	22	3,954	17	3,486	16	7,371	15										
		Total		1,222	100	23,304	100	21,961	100	46,898	100										
j. Being an informed and active citizen	pgcitizen	1	Very little	201	17	4,437	19	4,345	20	8,973	20	2.5	2.4	.02	2.4 **	.09	2.4	.05			
		2	Some	461	38	7,961	34	7,987	36	16,496	35										
		3	Quite a bit	344	28	7,050	30	6,563	30	14,353	31										
		4	Very much	216	17	3,753	16	2,990	14	6,920	15										
		Total		1,222	100	23,201	100	21,885	100	46,742	100										

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NSSE 2014 Frequencies and Statistical Comparisons

McMaster University

First-Year Students

Item wording or description				Frequency Distributions ^a								Statistical Comparisons ^b								
				McMaster		Ontario		U15		Canada 2014		McMaster		Ontario		U15		Canada 2014		
				Count	%	Count	%	Count	%	Count	%	Mean	Effect size ^e	Mean	Effect size ^e	Mean	Effect size ^e	Mean	Effect size ^e	
18. How would you evaluate your entire educational experience at this institution?																				
evalexp																				
	1	Poor	30	3	696	3	626	3	1,307	3	3.2	3.0 ***	.18	3.0 ***	.17	3.0 ***	.18			
	2	Fair	190	15	4,217	18	3,779	17	8,021	17								Δ	Δ	Δ
	3	Good	558	45	12,103	52	11,781	53	25,479	54										
	4	Excellent	447	37	6,395	27	5,873	27	12,315	26										
		Total	1,225	100	23,411	100	22,059	100	47,122	100										
19. If you could start over again, would you go to the same institution you are now attending?																				
sameinst																				
	1	Definitely no	40	3	768	3	594	3	1,366	3	3.3	3.2 ***	.16	3.2 **	.08	3.2 ***	.11			
	2	Probably no	97	8	3,079	13	2,535	11	5,646	12								Δ	Δ	Δ
	3	Probably yes	529	44	10,544	45	9,908	45	21,145	45										
	4	Definitely yes	559	45	9,044	38	9,052	41	19,027	40										
		Total	1,225	100	23,435	100	22,089	100	47,184	100										

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

NSSE 2014 Frequencies and Statistical Comparisons

McMaster University

Seniors

Item wording or description				Frequency Distributions ^a								Statistical Comparisons ^b							
				McMaster		Ontario		U15		Canada 2014		McMaster		Your seniors compared with					
				Count	%	Count	%	Count	%	Count	%	Mean	Mean	Effect size ^e	Mean	Effect size ^e	Mean	Effect size ^e	
1. During the current school year, about how often have you done the following?																			
a. Asked questions or contributed to course discussions in other ways				askquest															
				1 Never		1,465 6		1,846 8		3,209 7		2.8		2.8 .02		2.7 *** .13		2.8 .04	
				2 Sometimes		8,978 37		9,642 40		18,341 37									
				3 Often		7,312 29		6,714 28		14,421 29									
				4 Very often		6,901 28		5,741 24		13,578 27									
				Total		24,656 100		23,943 100		49,549 100									
b. Prepared two or more drafts of a paper or assignment before turning it in				drafts															
				1 Never		6,599 27		7,022 30		13,880 29		2.2		2.3 * -.06		2.2 .01		2.3 -.03	
				2 Sometimes		8,395 34		8,033 34		16,472 33									
				3 Often		5,659 23		5,220 22		11,085 22									
				4 Very often		3,912 16		3,563 15		7,891 16									
				Total		24,565 100		23,838 100		49,328 100									
c. Come to class without completing readings or assignments				unpreparedr (Reverse-coded version of unprepared created by NSSE.)															
				1 Very often		2,708 11		2,680 11		5,017 10		2.7		2.7 -.02		2.7 .00		2.7 ** -.07	
				2 Often		5,711 24		5,894 25		11,097 23									
				3 Sometimes		12,676 51		12,077 51		25,569 52									
				4 Never		3,397 14		3,148 13		7,529 15									
				Total		24,492 100		23,799 100		49,212 100									
d. Attended an art exhibit, play or other arts performance (dance, music, etc.)				attendart															
				1 Never		12,112 50		10,780 45		23,798 48		1.7		1.7 -.02		1.8 *** -.09		1.7 -.04	
				2 Sometimes		8,183 33		8,732 37		16,950 35									
				3 Often		2,642 11		2,803 12		5,446 11									
				4 Very often		1,483 6		1,428 6		2,934 6									
				Total		24,420 100		23,743 100		49,128 100									
e. Asked another student to help you understand course material				CLaskhelp															
				1 Never		3,125 14		3,015 13		6,530 14		2.5		2.4 *** .12		2.4 *** .10		2.4 *** .14	
				2 Sometimes		11,314 46		10,913 46		23,059 47									
				3 Often		6,750 27		6,599 27		13,372 27									
				4 Very often		3,203 13		3,213 14		6,125 12									
				Total		24,392 100		23,740 100		49,086 100									
f. Explained course material to one or more students				Clexplain															
				1 Never		1,088 5		1,204 5		2,576 5		2.8		2.7 ** .08		2.7 *** .14		2.7 *** .13	
				2 Sometimes		9,163 38		9,389 40		18,986 39									
				3 Often		9,128 38		8,699 37		18,063 37									
				4 Very often		4,689 20		4,061 18		8,732 18									
				Total		24,068 100		23,353 100		48,357 100									

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

NSSE 2014 Frequencies and Statistical Comparisons

McMaster University

Seniors

				Frequency Distributions ^a								Statistical Comparisons ^b									
				McMaster		Ontario		U15		Canada 2014		McMaster		Your seniors compared with							
				McMaster		Ontario		U15		Canada 2014		McMaster		Ontario		U15		Canada 2014			
Item wording or description	Variable name ^c	Values ^d	Response options	Count	%	Count	%	Count	%	Count	%	Mean	Mean	Effect size ^e	Mean	Effect size ^e	Mean	Effect size ^e			
g. Prepared for exams by discussing or working through course material with other students	CLstudy	1	Never	214	14	3,779	16	3,809	17	8,047	17	2.6	2.5 ***	.11	2.5 ***	.15	2.5 ***	.14			
		2	Sometimes	523	34	8,747	36	8,768	37	17,497	36								△	△	△
		3	Often	454	29	6,738	28	6,437	27	13,530	28										
		4	Very often	371	24	4,794	20	4,332	19	9,276	19										
		Total		1,562	100	24,058	100	23,346	100	48,350	100										
h. Worked with other students on course projects or assignments	CLproject	1	Never	95	7	1,718	7	1,805	8	3,622	8	3.0	2.9 ***	.13	2.8 ***	.14	2.9 ***	.10			
		2	Sometimes	379	24	7,145	29	7,097	30	13,533	28								△	△	△
		3	Often	535	34	8,016	33	7,503	32	15,634	32										
		4	Very often	555	35	7,158	30	6,929	30	15,503	32										
		Total		1,564	100	24,037	100	23,334	100	48,292	100										
i. Gave a course presentation	present	1	Never	136	10	2,347	10	2,924	13	5,363	11	2.8	2.7 **	.08	2.5 ***	.22	2.7 ***	.11			
		2	Sometimes	494	32	8,193	35	8,897	39	16,316	35								△	△	△
		3	Often	484	31	7,499	31	6,959	30	14,856	31										
		4	Very often	437	27	5,936	24	4,444	19	11,593	23										
		Total		1,551	100	23,975	100	23,224	100	48,128	100										
2. During the current school year, about how often have you done the following?																					
a. Combined ideas from different courses when completing assignments	RIintegrate	1	Never	37	3	696	3	794	4	1,397	3	2.9	2.9	-.02	2.9	.04	2.9	-.02			
		2	Sometimes	455	30	6,501	28	6,700	29	13,008	28										
		3	Often	596	39	9,720	41	9,443	41	19,572	41										
		4	Very often	449	28	6,784	28	6,059	26	13,680	28										
		Total		1,537	100	23,701	100	22,996	100	47,657	100										
b. Connected your learning to societal problems or issues	RIsocietal	1	Never	113	8	1,861	8	2,020	9	3,511	8	2.7	2.7	-.04	2.7	.04	2.7	-.04			
		2	Sometimes	530	35	7,638	33	8,034	36	15,490	33										
		3	Often	532	35	8,335	35	7,843	34	16,978	36										
		4	Very often	347	22	5,603	23	4,858	21	11,152	23										
		Total		1,522	100	23,437	100	22,755	100	47,131	100										
c. Included diverse perspectives (political, religious, racial/ethnic, gender, etc.) in course discussions or assignments	RIdiverse	1	Never	264	18	3,788	17	4,574	21	8,167	18	2.4	2.5 **	-.07	2.4 *	.06	2.4	-.01			
		2	Sometimes	569	38	8,364	36	8,739	38	17,622	37								▽	△	
		3	Often	414	27	6,683	28	5,850	25	12,900	27										
		4	Very often	269	17	4,597	19	3,578	16	8,448	17										
		Total		1,516	100	23,432	100	22,741	100	47,137	100										

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NSSE 2014 Frequencies and Statistical Comparisons

McMaster University

Seniors

		Frequency Distributions ^a										Statistical Comparisons ^b							
												<i>Your seniors compared with</i>							
		McMaster		Ontario		U15		Canada 2014		McMaster		Ontario		U15		Canada 2014			
Item wording or description	Variable name ^c	Values ^d	Response options	Count	%	Count	%	Count	%	Count	%	Mean	Mean	Effect size ^e	Mean	Effect size ^e	Mean	Effect size ^e	
d. Examined the strengths and weaknesses of your own views on a topic or issue	Rlownview	1	Never	111	7	1,592	7	1,839	8	3,348	7	2.7	2.7	-.01	2.7 *	.07	2.7	.02	
		2	Sometimes	499	33	7,974	34	8,263	36	16,301	35								
		3	Often	614	41	9,245	39	8,668	38	18,548	39								
		4	Very often	284	19	4,606	20	3,949	18	8,875	19								
		Total		1,508	100	23,417	100	22,719	100	47,072	100								
e. Tried to better understand someone else's views by imagining how an issue looks from his or her perspective	Rlperspect	1	Never	76	5	1,238	6	1,419	7	2,532	6	2.8	2.8	-.02	2.8 *	.05	2.8	.00	
		2	Sometimes	466	31	7,054	30	7,286	32	14,357	31								
		3	Often	637	42	9,573	41	9,177	40	19,459	41								
		4	Very often	334	22	5,481	23	4,755	21	10,553	22								
		Total		1,513	100	23,346	100	22,637	100	46,901	100								
f. Learned something that changed the way you understand an issue or concept	Rlnewview	1	Never	35	2	515	2	559	3	1,068	2	2.9	2.9	.00	2.9 *	.05	2.9	.03	
		2	Sometimes	403	27	6,578	29	6,901	31	13,816	30								
		3	Often	700	46	10,183	44	9,815	43	20,410	43								
		4	Very often	371	24	6,029	25	5,305	24	11,506	24								
		Total		1,509	100	23,305	100	22,580	100	46,800	100								
g. Connected ideas from your courses to your prior experiences and knowledge	Rlconnect	1	Never	24	2	369	2	354	2	682	2	3.1	3.1	.00	3.1	.05	3.1	.00	
		2	Sometimes	278	19	4,361	19	4,626	21	8,634	19								
		3	Often	658	44	10,236	44	10,060	44	20,843	45								
		4	Very often	537	35	8,223	35	7,461	33	16,464	35								
		Total		1,497	100	23,189	100	22,501	100	46,623	100								
3. During the current school year, about how often have you done the following?																			
a. Talked about career plans with a faculty member	SFcareer	1	Never	445	31	6,915	30	7,365	33	14,362	31	2.1	2.1	-.01	2.0 **	.07	2.0	.02	
		2	Sometimes	626	41	9,731	41	9,539	42	19,599	42								
		3	Often	287	19	4,419	19	3,934	17	8,580	18								
		4	Very often	140	9	2,261	9	1,757	8	4,317	9								
		Total		1,498	100	23,326	100	22,595	100	46,858	100								
b. Worked with a faculty member on activities other than coursework (committees, student groups, etc.)	SFotherwork	1	Never	798	54	13,058	56	12,980	58	27,125	58	1.7	1.7	.04	1.7 **	.08	1.7 **	.08	
		2	Sometimes	397	26	5,906	25	5,723	25	11,428	24								
		3	Often	197	13	2,610	11	2,474	11	5,038	11								
		4	Very often	102	7	1,653	7	1,329	6	3,071	7								
		Total		1,494	100	23,227	100	22,506	100	46,662	100								

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NSSE 2014 Frequencies and Statistical Comparisons

McMaster University

Seniors

				Frequency Distributions ^a								Statistical Comparisons ^b						
				McMaster		Ontario		U15		Canada 2014		McMaster		Your seniors compared with				
Item wording or description	Variable name ^c	Values ^d	Response options	Count	%	Count	%	Count	%	Count	%	Mean	Ontario	U15	Canada 2014	Effect size ^e		
													Mean	Effect size ^e	Mean		Effect size ^e	Mean
c. Discussed course topics, ideas, or concepts with a faculty member outside of class	SFdiscuss	1	Never	462	31	6,969	30	7,413	32	14,789	32	2.0	2.0	-.02	2.0	.05	2.0	.01
		2	Sometimes	648	43	9,965	43	9,693	43	19,928	43							
		3	Often	272	18	4,301	18	3,843	17	8,207	18							
		4	Very often	115	8	1,991	8	1,558	7	3,753	8							
		Total		1,497	100	23,226	100	22,507	100	46,677	100							
d. Discussed your academic performance with a faculty member	SFperform	1	Never	521	36	8,070	35	9,522	43	17,925	39	1.9	1.9	-.03	1.8 ***	.13	1.9	.05
		2	Sometimes	661	44	9,887	42	8,933	40	19,213	41							
		3	Often	214	14	3,631	16	2,907	13	6,656	14							
		4	Very often	93	6	1,577	7	1,075	5	2,742	6							
		Total		1,489	100	23,165	100	22,437	100	46,536	100							
4. During the current school year, how much has your coursework emphasized the following?																		
a. Memorizing course material	memorize	1	Very little	129	9	1,795	8	1,535	7	3,632	8	2.8	2.8	.01	2.9	-.05	2.8	.01
		2	Some	388	26	6,555	28	5,951	27	13,017	28							
		3	Quite a bit	558	37	8,682	37	8,502	38	17,614	38							
		4	Very much	429	28	6,225	27	6,553	29	12,460	27							
		Total		1,504	100	23,257	100	22,541	100	46,723	100							
b. Applying facts, theories, or methods to practical problems or new situations	HOapply	1	Very little	64	4	942	4	1,027	5	1,907	4	3.0	3.0	.01	3.0	.04	3.0	.02
		2	Some	321	22	4,973	22	5,020	22	10,102	22							
		3	Quite a bit	646	43	10,146	44	9,886	44	20,743	44							
		4	Very much	466	31	7,083	30	6,516	29	13,733	29							
		Total		1,497	100	23,144	100	22,449	100	46,485	100							
c. Analyzing an idea, experience, or line of reasoning in depth by examining its parts	HOanalyze	1	Very little	92	6	1,091	5	1,316	6	2,397	5	2.9	3.0	-.05	2.9	.02	2.9	-.01
		2	Some	372	25	5,382	24	5,640	25	11,297	25							
		3	Quite a bit	567	38	9,544	41	9,202	41	19,273	41							
		4	Very much	450	30	7,054	30	6,214	28	13,408	29							
		Total		1,481	100	23,071	100	22,372	100	46,375	100							
d. Evaluating a point of view, decision, or information source	HOevaluate	1	Very little	129	9	1,713	8	2,121	10	3,746	9	2.8	2.8	-.01	2.7 ***	.10	2.8	.04
		2	Some	388	27	6,326	28	6,714	30	13,164	29							
		3	Quite a bit	569	38	9,041	39	8,569	38	18,386	39							
		4	Very much	398	26	6,027	26	4,949	22	11,061	23							
		Total		1,484	100	23,107	100	22,353	100	46,357	100							

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

NSSE 2014 Frequencies and Statistical Comparisons

McMaster University

Seniors

				Frequency Distributions ^a						Statistical Comparisons ^b								
				McMaster		Ontario		U15		Canada 2014		McMaster		Your seniors compared with				
Item wording or description	Variable name ^c	Values ^d	Response options	Count	%	Count	%	Count	%	Count	%	Mean	Ontario	U15	Canada 2014	Effect size ^e	Effect size ^e	Effect size ^e
													Mean	Mean	Mean	Mean	Mean	Effect size ^e
e. Forming a new idea or understanding from various pieces of information	HOform	1	Very little	115	8	1,731	8	1,934	9	3,526	8	2.8	2.8	-.01	2.7 *	.07	2.8	.02
		2	Some	419	29	6,391	28	6,692	30	13,175	29							
		3	Quite a bit	570	38	9,197	40	8,850	39	18,824	40							
		4	Very much	375	25	5,741	24	4,850	21	10,750	23							
		Total		1,479	100	23,060	100	22,326	100	46,275	100							
5. During the current school year, to what extent have your instructors done the following?																		
a. Clearly explained course goals and requirements	ETgoals	1	Very little	26	2	547	3	539	2	1,154	3	3.1	3.0 **	.08	3.0 **	.08	3.0 *	.06
		2	Some	295	20	4,953	21	4,717	21	9,459	20							
		3	Quite a bit	708	47	11,245	48	11,253	50	22,935	49							
		4	Very much	467	31	6,508	28	6,002	27	13,107	28							
		Total		1,496	100	23,253	100	22,511	100	46,655	100							
b. Taught course sessions in an organized way	ETorganize	1	Very little	39	3	582	3	523	2	1,203	3	3.0	3.0	.03	3.0	.03	3.0	.02
		2	Some	304	20	5,016	22	4,803	21	9,651	21							
		3	Quite a bit	751	50	11,570	50	11,750	52	23,956	51							
		4	Very much	398	27	6,013	26	5,364	24	11,677	25							
		Total		1,492	100	23,181	100	22,440	100	46,487	100							
c. Used examples or illustrations to explain difficult points	ETexample	1	Very little	48	3	805	4	713	3	1,642	4	3.0	3.0	.02	3.0	.01	3.0	.01
		2	Some	331	22	5,264	23	4,884	22	10,032	22							
		3	Quite a bit	673	46	10,340	45	10,666	47	21,467	46							
		4	Very much	432	29	6,709	29	6,128	27	13,209	28							
		Total		1,484	100	23,118	100	22,391	100	46,350	100							
d. Provided feedback on a draft or work in progress	ETdraftfb	1	Very little	293	20	4,541	20	5,139	23	9,304	20	2.4	2.4	-.01	2.3 ***	.11	2.4	.01
		2	Some	552	37	8,263	36	8,375	38	16,723	36							
		3	Quite a bit	398	27	6,672	29	6,097	27	13,419	29							
		4	Very much	245	16	3,661	16	2,787	12	6,970	15							
		Total		1,488	100	23,137	100	22,398	100	46,416	100							
e. Provided prompt and detailed feedback on tests or completed assignments	ETfeedback	1	Very little	148	10	2,697	12	3,101	14	5,772	13	2.6	2.5	.04	2.5 ***	.14	2.5 *	.06
		2	Some	558	37	8,516	37	8,620	39	16,908	37							
		3	Quite a bit	538	36	8,128	35	7,644	34	16,381	35							
		4	Very much	239	16	3,691	16	2,952	13	7,167	15							
		Total		1,483	100	23,032	100	22,317	100	46,228	100							

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NSSE 2014 Frequencies and Statistical Comparisons

McMaster University

Seniors

				Frequency Distributions ^a								Statistical Comparisons ^b							
				McMaster		Ontario		U15		Canada 2014		McMaster		Ontario		U15		Canada 2014	
												Your seniors compared with							
Item wording or description	Variable name ^c	Values ^d	Response options	Count	%	Count	%	Count	%	Count	%	Mean	Mean	Effect size ^e	Mean	Effect size ^e	Mean	Effect size ^e	
6. During the current school year, about how often have you done the following?																			
a. Reached conclusions based on your own analysis of numerical information (numbers, graphs, statistics, etc.)	QRconclude	1	Never	251	16	4,596	19	4,361	19	9,452	20	2.6	2.5 ***	.10	2.5 ***	.11	2.4 ***	.13	
		2	Sometimes	487	32	7,844	33	7,754	34	16,094	34								
		3	Often	468	32	6,907	30	6,655	30	13,559	30								
		4	Very often	286	20	3,883	17	3,718	17	7,492	17								
		Total		1,492	100	23,230	100	22,488	100	46,597	100								
b. Used numerical information to examine a real-world problem or issue (unemployment, climate change, public health, etc.)	QRproblem	1	Never	373	24	6,212	26	6,181	27	12,745	27	2.3	2.2	.03	2.2 *	.06	2.2 *	.06	
		2	Sometimes	582	39	8,683	37	8,450	37	17,512	37								
		3	Often	345	24	5,550	24	5,277	24	10,958	24								
		4	Very often	191	13	2,717	12	2,531	12	5,276	12								
		Total		1,491	100	23,162	100	22,439	100	46,491	100								
c. Evaluated what others have concluded from numerical information	QRevaluate	1	Never	298	20	5,115	22	4,967	22	10,860	23	2.4	2.3	.05	2.3 *	.06	2.3 ***	.09	
		2	Sometimes	571	38	8,804	38	8,653	38	17,913	38								
		3	Often	402	27	6,240	27	6,029	27	12,082	26								
		4	Very often	212	14	2,949	13	2,737	13	5,507	12								
		Total		1,483	100	23,108	100	22,386	100	46,362	100								
7. During the current school year, about how many papers, reports, or other writing tasks of the following length have you been assigned? (Include those not yet completed.)																			
a. Up to 5 pages	wrshortnum <i>(Recorded version of wrshort created by NSSE. Values are estimated number of papers, reports, etc.)</i>	0	None	81	6	1,097	5	1,365	7	2,581	6	7.0	7.2	-.02	6.7	.05	6.9	.02	
		1.5	1-2	283	21	4,138	20	4,341	21	8,773	21								
		4	3-5	393	29	6,301	30	6,152	30	12,496	30								
		8	6-10	326	23	4,637	22	4,388	21	8,950	21								
		13	11-15	124	9	2,187	10	1,913	9	4,089	10								
		18	16-20	58	4	1,117	5	889	4	2,074	5								
		23	More than 20	108	8	1,568	7	1,286	6	2,875	7								
Total		1,373	100	21,045	100	20,334	100	41,838	100										
b. Between 6 and 10 pages	wrmednum <i>(Recorded version of wrmed created by NSSE. Values are estimated number of papers, reports, etc.)</i>	0	None	183	14	1,932	9	2,568	13	4,569	11	4.4	4.8 **	-.08	4.3	.04	4.5	-.01	
		1.5	1-2	436	32	5,967	29	6,344	31	12,568	30								
		4	3-5	398	29	7,309	34	6,632	32	14,113	33								
		8	6-10	219	16	4,081	19	3,327	16	7,438	17								
		13	11-15	80	6	1,227	6	981	5	2,230	5								
		18	16-20	32	2	459	2	376	2	841	2								
		23	More than 20	23	2	374	2	280	1	648	2								
Total		1,371	100	21,349	100	20,508	100	42,407	100										

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

NSSE 2014 Frequencies and Statistical Comparisons

McMaster University

Seniors

Item wording or description				Variable name ^c				Frequency Distributions ^a				Statistical Comparisons ^b										
								McMaster		Ontario		U15		Canada 2014		Your seniors compared with						
								Count	%	Count	%	Count	%	Count	%	McMaster	Ontario	U15	Canada 2014	Effect size ^e	Effect size ^e	Effect size ^e
c. 11 pages or more				wrlongnum				376	28	4,673	22	5,103	25	9,680	24	2.7	3.2 ***	-12	3.0 *	-07	3.2 ***	-11
				(Recorded version of wrlong created by NSSE. Values are estimated number of papers, reports, etc.)				562	41	8,575	41	8,157	40	16,816	40							
				1.5 1-2				236	18	4,601	22	4,230	21	9,202	22							
				4 3-5				112	8	1,853	9	1,586	8	3,569	8							
				8 6-10				23	2	614	3	543	3	1,267	3							
				13 11-15				20	1	272	1	243	1	571	1							
				18 16-20				14	1	379	2	322	2	714	2							
23 More than 20																						
Total				1,343	100	20,967	100	20,184	100	41,819	100											
Estimated number of assigned pages of student writing.				wrpages											95.7	105.2 ***	-10	96.2	.00	100.8	-.05	
(Continuous variable, recoded and summed by NSSE from wrshort, wrmed, and wrlong. Values are estimated pages of assigned writing.)																						
8. During the current school year, about how often have you had discussions with people from the following groups?																						
a. People of a race or ethnicity other than your own				DDrace				48	4	860	4	949	4	2,323	5	3.3	3.2 ***	.14	3.2 ***	.19	3.1 ***	.24
				1 Never				212	15	4,508	20	4,649	21	10,479	23							
				2 Sometimes				361	26	6,306	28	6,104	28	12,491	28							
				3 Often				799	56	10,631	48	9,818	46	19,288	44							
				4 Very often				1,420	100	22,305	100	21,520	100	44,581	100							
Total																						
b. People from an economic background other than your own				DDeconomic				52	4	971	5	1,064	5	2,365	5	3.1	3.1 **	.08	3.0 ***	.16	3.0 ***	.16
				1 Never				301	21	5,194	23	5,639	26	11,461	26							
				2 Sometimes				446	32	7,394	33	7,135	33	14,869	33							
				3 Often				617	43	8,661	39	7,603	36	15,731	36							
				4 Very often				1,416	100	22,220	100	21,441	100	44,426	100							
Total																						
c. People with religious beliefs other than your own				DDreligion				53	4	1,136	5	1,406	7	3,121	7	3.2	3.1 ***	.12	3.0 ***	.22	3.0 ***	.24
				1 Never				272	19	5,058	23	5,493	26	11,726	26							
				2 Sometimes				397	29	6,784	30	6,427	30	13,153	30							
				3 Often				691	48	9,202	42	8,074	38	16,329	37							
				4 Very often				1,413	100	22,180	100	21,400	100	44,329	100							
Total																						
d. People with political views other than your own				DDpolitical				82	6	1,378	6	1,343	6	2,949	7	3.0	3.0	.01	2.9	.05	2.9 *	.06
				1 Never				378	27	5,955	27	5,940	28	12,467	28							
				2 Sometimes				421	30	7,008	32	6,983	33	14,350	33							
				3 Often				522	37	7,725	35	7,018	33	14,358	33							
				4 Very often				1,403	100	22,066	100	21,284	100	44,124	100							
Total																						

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NSSE 2014 Frequencies and Statistical Comparisons

McMaster University

Seniors

				Frequency Distributions ^a						Statistical Comparisons ^b											
				McMaster		Ontario		U15		Canada 2014		McMaster		Ontario		U15		Canada 2014			
												<i>Your seniors compared with</i>									
Item wording or description	Variable name ^c	Values ^d	Response options	Count	%	Count	%	Count	%	Count	%	Mean	Mean	Effect size ^e	Mean	Effect size ^e	Mean	Effect size ^e	Mean	Effect size ^e	
9. During the current school year, about how often have you done the following?																					
a. Identified key information from reading assignments	LSreading	1	Never	32	2	541	3	586	3	1,164	3	3.1	3.2	-0.05	3.1	-0.01	3.2	-0.04			
		2	Sometimes	277	20	3,805	17	4,005	19	7,817	18										
		3	Often	561	40	9,135	41	8,593	40	17,896	40										
		4	Very often	548	38	8,710	39	8,237	38	17,521	39										
		Total		1,418	100	22,191	100	21,421	100	44,398	100										
b. Reviewed your notes after class	LSnotes	1	Never	210	15	3,153	14	3,004	14	6,185	14	2.4	2.5	-0.05	2.5 *	-0.06	2.5 **	-0.08			
		2	Sometimes	621	44	9,235	41	8,728	41	17,861	40										
		3	Often	337	24	5,749	26	5,615	26	11,845	27										
		4	Very often	239	17	3,984	18	4,018	19	8,370	19										
		Total		1,407	100	22,121	100	21,365	100	44,261	100										
c. Summarized what you learned in class or from course materials	LSsummary	1	Never	137	10	2,342	11	2,381	11	4,990	12	2.6	2.7	-0.02	2.7	-0.03	2.7	-0.02			
		2	Sometimes	509	37	7,583	34	7,138	34	14,784	34										
		3	Often	455	32	7,065	32	6,662	31	13,902	32										
		4	Very often	299	21	4,935	22	5,002	23	10,211	23										
		Total		1,400	100	21,925	100	21,183	100	43,887	100										
10. During the current school year, to what extent have your courses challenged you to do your best work?																					
	challenge	1	Not at all	11	1	184	1	183	1	360	1	5.4	5.4	.02	5.3 *	.07	5.4	.04			
		2		17	1	392	2	403	2	808	2										
		3		62	5	785	4	874	4	1,766	4										
		4		145	11	2,388	11	2,500	12	5,046	12										
		5		436	31	7,411	33	7,301	34	14,843	33										
		6		486	34	7,021	31	6,617	31	13,795	31										
		7	Very much	248	17	3,942	18	3,473	16	7,645	17										
		Total		1,405	100	22,123	100	21,351	100	44,263	100										
11. Which of the following have you done or do you plan to do before you graduate?^f																					
a. Participate in an internship, co-op, field experience, student teaching, or clinical placement	intern	Have not decided		119	9	2,019	9	1,771	8	3,853	9	46%	46%	.00	50% **	-0.07	47%	-0.03			
		Do not plan to do		416	30	6,341	29	5,911	28	12,730	29										
		Plan to do		216	15	3,445	16	3,109	14	6,557	15										
		Done or in progress		655	46	10,331	46	10,594	50	21,160	47										
		Total		1,406	100	22,136	100	21,385	100	44,300	100										

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NSSE 2014 Frequencies and Statistical Comparisons

McMaster University

Seniors

Item wording or description			Frequency Distributions ^a								Statistical Comparisons ^b									
			McMaster		Ontario		U15		Canada 2014		McMaster		Your seniors compared with							
			Count	%	Count	%	Count	%	Count	%	Mean	Mean	Effect size ^e	Mean	Effect size ^e	Mean	Effect size ^e			
b. Hold a formal leadership role in a student organization or group	leader <i>(Means indicate the percentage who responded "Done or in progress.")</i>	Have not decided	117	9	2,054	9	1,768	8	4,015	9	39%	32% ***	.14	34% ***	.10	31% ***	.17			
		Do not plan to do	629	45	11,178	51	10,873	51	23,625	53								▲	▲	▲
		Plan to do	95	7	1,664	8	1,477	7	3,081	7										
		Done or in progress	559	39	7,212	32	7,216	34	13,483	31										
		Total	1,400	100	22,108	100	21,334	100	44,204	100										
c. Participate in a learning community or some other formal program where groups of students take two or more classes together	learncom <i>(Means indicate the percentage who responded "Done or in progress.")</i>	Have not decided	173	12	2,768	13	2,431	11	5,346	12	18%	18%	-.02	19%	-.03	18%	-.01			
		Do not plan to do	858	61	13,155	60	13,194	62	27,003	62										
		Plan to do	117	9	1,932	9	1,629	7	3,566	8										
		Done or in progress	253	18	4,168	18	4,030	19	8,167	18										
		Total	1,401	100	22,023	100	21,284	100	44,082	100										
d. Participate in a study abroad program	abroad <i>(Means indicate the percentage who responded "Done or in progress.")</i>	Have not decided	163	12	2,993	14	2,577	12	5,755	13	8%	10% **	-.08	13% ***	-.18	11% ***	-.11			
		Do not plan to do	1,008	72	14,612	66	14,029	66	29,609	67										
		Plan to do	117	8	2,172	10	1,939	9	3,974	9										
		Done or in progress	111	8	2,227	10	2,721	13	4,689	11										
		Total	1,399	100	22,004	100	21,266	100	44,027	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	149	11	3,173	15	2,903	14	6,403	15	32%	23% ***	.20	25% ***	.14	22% ***	.21			
		Do not plan to do	589	43	10,657	48	10,203	48	22,040	50										
		Plan to do	200	14	3,047	14	2,864	13	5,770	13										
		Done or in progress	457	32	5,071	23	5,250	25	9,717	22										
		Total	1,395	100	21,948	100	21,220	100	43,930	100										
f. Complete a culminating senior experience (capstone course, senior project or thesis, comprehensive exam, portfolio, etc.)	capstone <i>(Means indicate the percentage who responded "Done or in progress.")</i>	Have not decided	142	10	2,788	13	2,661	12	5,717	13	49%	32% ***	.34	30% ***	.37	30% ***	.38			
		Do not plan to do	408	29	9,026	41	9,059	43	18,363	42										
		Plan to do	168	12	3,092	15	3,090	14	6,475	15										
		Done or in progress	682	49	7,040	32	6,389	30	13,374	30										
		Total	1,400	100	21,946	100	21,199	100	43,929	100										
12. About how many of your courses at this institution have included a community-based project (service-learning)?																				
servcourse		1 None	735	53	11,852	54	12,675	60	24,432	56	1.5	1.5	-.01	1.5 ***	.12	1.5	.03			
		2 Some	596	42	8,605	39	7,480	35	16,689	38										
		3 Most	63	4	1,268	6	904	4	2,449	5										
		4 All	10	1	205	1	138	1	364	1										
		Total	1,404	100	21,930	100	21,197	100	43,934	100										

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NSSE 2014 Frequencies and Statistical Comparisons

McMaster University

Seniors

Item wording or description				Frequency Distributions ^a								Statistical Comparisons ^b						
				McMaster		Ontario		U15		Canada 2014		McMaster		Your seniors compared with				
				Count	%	Count	%	Count	%	Count	%	Mean	Mean	Effect size ^e	Mean	Effect size ^e	Mean	Effect size ^e
13. Indicate the quality of your interactions with the following people at your institution.																		
a. Students	Qlstudent	1	Poor	11	1	317	2	282	1	538	1	5.8	5.6 ***	.15	5.6 ***	.18	5.7 ***	.14
		2		18	1	413	2	422	2	781	2							
		3		46	3	884	4	840	4	1,649	4							
		4		83	6	1,794	8	1,878	9	3,542	8							
		5		279	20	4,888	22	4,938	23	9,724	22							
		6		458	33	6,974	31	6,804	32	14,067	32							
		7	Excellent	512	36	6,763	30	6,122	29	13,518	30							
		—	Not applicable	2	0	100	1	93	0	463	1							
		Total		1,409	100	22,133	100	21,379	100	44,282	100							
b. Academic advisors	Qladvisor	1	Poor	64	4	1,625	8	1,556	8	3,104	7	4.9	4.6 ***	.18	4.5 ***	.25	4.6 ***	.19
		2		82	6	1,562	7	1,561	8	3,035	7							
		3		124	9	1,946	9	1,943	9	3,759	9							
		4		171	12	3,044	14	2,977	14	5,841	13							
		5		297	21	4,426	20	4,093	19	8,171	18							
		6		255	18	3,894	17	3,487	16	7,466	17							
		7	Excellent	286	20	3,475	15	2,753	13	6,580	15							
		—	Not applicable	124	9	2,096	10	2,962	13	6,208	14							
		Total		1,403	100	22,068	100	21,332	100	44,164	100							
c. Faculty	Qlfaculty	1	Poor	32	2	628	3	630	3	1,083	3	5.3	5.1 ***	.10	5.1 ***	.15	5.2 *	.07
		2		45	3	831	4	837	4	1,505	4							
		3		77	6	1,456	7	1,477	7	2,769	6							
		4		158	11	2,990	14	3,160	15	5,856	13							
		5		375	27	5,640	26	5,602	26	11,278	26							
		6		415	30	6,232	28	5,998	28	12,991	29							
		7	Excellent	277	20	3,905	18	3,229	15	7,889	18							
		—	Not applicable	14	1	281	1	314	2	586	1							
		Total		1,393	100	21,963	100	21,247	100	43,957	100							

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

NSSE 2014 Frequencies and Statistical Comparisons

McMaster University

Seniors

				Frequency Distributions ^a								Statistical Comparisons ^b							
				McMaster		Ontario		U15		Canada 2014		McMaster		Your seniors compared with					
				McMaster		Ontario		U15		Canada 2014		McMaster		Ontario		U15		Canada 2014	
Item wording or description	Variable name ^c	Values ^d	Response options	Count	%	Count	%	Count	%	Count	%	Mean	Mean	Effect size ^e	Mean	Effect size ^e	Mean	Effect size ^e	
d. Student services staff (career services, student activities, housing, etc.)	Q1staff	1	Poor	67	5	1,493	7	1,306	6	2,712	6	4.8	4.5 ***	.16	4.5 ***	.16	4.6 ***	.13	
		2		65	5	1,379	6	1,204	6	2,442	6								
		3		103	7	1,854	9	1,744	8	3,430	8								
		4		182	13	2,974	13	2,999	14	5,764	13								
		5		286	20	4,259	19	4,170	19	8,135	18								
		6		265	19	3,751	17	3,600	17	7,474	17								
		7	Excellent	187	13	2,486	11	2,090	10	4,953	11								
		—	Not applicable	240	18	3,798	18	4,149	20	9,102	21								
	Total			1,395	100	21,994	100	21,262	100	44,012	100								
e. Other administrative staff and offices (registrar, financial aid, etc.)	Q1admin	1	Poor	54	4	1,505	7	1,331	6	2,663	6	4.8	4.5 ***	.18	4.5 ***	.19	4.6 ***	.14	
		2		83	6	1,609	8	1,466	7	2,927	7								
		3		138	10	2,116	10	1,948	9	3,932	9								
		4		201	14	3,535	16	3,406	16	6,743	15								
		5		323	23	5,006	22	4,736	22	9,581	22								
		6		319	23	4,304	19	4,015	18	8,775	19								
		7	Excellent	213	15	2,677	12	2,212	10	5,302	12								
		—	Not applicable	69	5	1,291	6	2,184	11	4,177	10								
	Total			1,400	100	22,043	100	21,298	100	44,100	100								
14. How much does your institution emphasize the following?																			
a. Spending significant amounts of time studying and on academic work	empstudy	1	Very little	15	1	445	2	355	2	894	2	3.2	3.2	.04	3.3 *	-.06	3.2 **	.07	
		2	Some	184	14	3,220	16	2,699	13	6,701	16								
		3	Quite a bit	607	46	9,124	43	8,516	41	19,156	45								
		4	Very much	536	39	8,553	39	8,997	44	15,765	37								
			Total	1,342	100	21,342	100	20,567	100	42,516	100								
b. Providing support to help students succeed academically	SEacademic	1	Very little	84	7	1,749	9	1,808	9	3,305	8	2.7	2.7 **	.08	2.6 ***	.17	2.7 ***	.10	
		2	Some	416	32	6,883	33	7,210	36	13,828	33								
		3	Quite a bit	562	42	8,703	41	8,504	41	18,003	42								
		4	Very much	271	20	3,869	18	2,933	14	7,096	16								
			Total	1,333	100	21,204	100	20,455	100	42,232	100								
c. Using learning support services (tutoring services, writing center, etc.)	SElearnsup	1	Very little	199	16	2,508	12	2,841	14	5,445	13	2.5	2.6 ***	-.16	2.5	-.01	2.5 **	-.08	
		2	Some	481	37	6,815	32	7,564	37	14,467	35								
		3	Quite a bit	458	33	7,971	37	7,305	36	15,520	36								
		4	Very much	200	14	3,921	18	2,756	13	6,854	16								
			Total	1,338	100	21,215	100	20,466	100	42,286	100								

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

NSSE 2014 Frequencies and Statistical Comparisons

McMaster University

Seniors

				Frequency Distributions ^a						Statistical Comparisons ^b									
				McMaster		Ontario		U15		Canada 2014		McMaster		Your seniors compared with					
				McMaster		Ontario		U15		Canada 2014		McMaster		Ontario		U15		Canada 2014	
Item wording or description	Variable name ^c	Values ^d	Response options	Count	%	Count	%	Count	%	Count	%	Mean	Mean	Effect size ^e	Mean	Effect size ^e	Mean	Effect size ^e	
d. Encouraging contact among students from different backgrounds (social, racial/ethnic, religious, etc.)	SEdiverse	1	Very little	290	22	5,126	24	5,438	27	10,596	25	2.3	2.3	.03	2.2 ***	.12	2.3 *	.07	
		2	Some	485	36	7,404	35	7,556	37	15,144	36								
		3	Quite a bit	379	29	5,767	27	5,192	25	11,272	27								
		4	Very much	181	13	2,948	14	2,296	11	5,323	13								
		Total		1,335	100	21,245	100	20,482	100	42,335	100								
e. Providing opportunities to be involved socially	SEsocial	1	Very little	122	10	2,521	12	2,458	12	5,063	12	2.7	2.6 ***	.12	2.6 ***	.15	2.6 ***	.15	
		2	Some	376	28	6,780	32	6,830	33	13,908	33								
		3	Quite a bit	536	39	7,853	37	7,688	37	15,836	37								
		4	Very much	302	22	4,108	19	3,523	17	7,542	18								
		Total		1,336	100	21,262	100	20,499	100	42,349	100								
f. Providing support for your overall well-being (recreation, health care, counseling, etc.)	SEwellness	1	Very little	137	11	2,711	13	2,566	13	5,562	13	2.7	2.6 ***	.14	2.6 ***	.17	2.6 ***	.18	
		2	Some	366	28	6,644	32	6,755	33	13,603	33								
		3	Quite a bit	505	38	7,752	36	7,669	37	15,737	37								
		4	Very much	320	23	4,071	19	3,423	17	7,262	17								
		Total		1,328	100	21,178	100	20,413	100	42,164	100								
g. Helping you manage your non-academic responsibilities (work, family, etc.)	SEnonacad	1	Very little	472	36	8,383	40	8,198	40	16,520	40	2.0	1.9 ***	.11	1.9 ***	.15	1.9 ***	.13	
		2	Some	469	35	7,567	36	7,566	37	15,520	37								
		3	Quite a bit	279	21	3,803	18	3,536	17	7,538	18								
		4	Very much	107	8	1,395	7	1,073	5	2,521	6								
		Total		1,327	100	21,148	100	20,373	100	42,099	100								
h. Attending campus activities and events (performing arts, athletic events, etc.)	SEactivities	1	Very little	179	14	3,913	19	3,638	18	7,729	19	2.5	2.4 ***	.14	2.4 ***	.14	2.4 ***	.14	
		2	Some	484	36	7,847	37	7,694	38	15,513	37								
		3	Quite a bit	454	34	6,718	32	6,632	32	13,651	32								
		4	Very much	209	16	2,664	13	2,401	12	5,159	12								
		Total		1,326	100	21,142	100	20,365	100	42,052	100								
i. Attending events that address important social, economic, or political issues	SEevents	1	Very little	322	25	4,722	22	4,417	21	9,244	22	2.2	2.2	-.04	2.2	-.04	2.2	-.05	
		2	Some	525	39	8,582	41	8,473	42	17,135	41								
		3	Quite a bit	358	27	5,713	27	5,604	28	11,555	28								
		4	Very much	122	9	2,061	10	1,804	9	3,997	9								
		Total		1,327	100	21,078	100	20,298	100	41,931	100								

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NSSE 2014 Frequencies and Statistical Comparisons

McMaster University

Seniors

		Frequency Distributions ^a										Statistical Comparisons ^b							
												<i>Your seniors compared with</i>							
		McMaster		Ontario		U15		Canada 2014		McMaster		Ontario		U15		Canada 2014			
Item wording or description	Variable name ^c	Values ^d	Response options	Count	%	Count	%	Count	%	Count	%	Mean	Mean	Effect size ^e	Mean	Effect size ^e	Mean	Effect size ^e	
15. About how many hours do you 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)	tmprephrs <i>(Recorded version of tmprep created by NSSE. Values are estimated number of hours per week.)</i>	0	0 hrs	7	1	146	1	138	1	292	1	17.0	16.1 ** △	.09	16.5	.05	15.7 *** △	.14	
		3	1-5 hrs	161	13	2,788	14	2,612	13	6,257	15								
		8	6-10 hrs	239	19	4,116	20	3,872	19	8,546	20								
		13	11-15 hrs	209	15	3,779	18	3,572	18	7,511	18								
		18	16-20 hrs	233	17	3,636	17	3,592	17	7,030	17								
		23	21-25 hrs	184	13	2,454	11	2,422	12	4,691	11								
		28	26-30 hrs	114	8	1,619	7	1,646	8	3,125	7								
		33	More than 30 hrs	188	14	2,653	12	2,554	13	4,723	11								
			Total	1,335	100	21,191	100	20,408	100	42,175	100								
b. Participating in co-curricular activities (organizations, campus publications, student government, fraternity or sorority, intercollegiate or intramural sports, etc.)	tmcocurrhrs <i>(Recorded version of tmcocurr created by NSSE. Values are estimated number of hours per week.)</i>	0	0 hrs	462	35	8,897	43	8,370	41	19,509	46	5.3	4.5 *** △	.12	4.5 *** △	.12	4.0 *** △	.20	
		3	1-5 hrs	446	33	6,697	31	6,534	32	12,748	30								
		8	6-10 hrs	196	15	2,581	12	2,630	13	4,693	11								
		13	11-15 hrs	113	9	1,344	6	1,304	7	2,335	6								
		18	16-20 hrs	53	4	780	4	751	4	1,333	3								
		23	21-25 hrs	29	2	372	2	349	2	607	2								
		28	26-30 hrs	10	1	151	1	143	1	263	1								
		33	More than 30 hrs	21	2	248	1	208	1	428	1								
			Total	1,330	100	21,070	100	20,289	100	41,916	100								
c. Working for pay on campus	tmworkonhrs <i>(Recorded version of tmworkon created by NSSE. Values are estimated number of hours per week.)</i>	0	0 hrs	1,021	77	16,312	78	16,111	79	33,411	80	2.5	2.6	.00	2.3	.03	2.3	.04	
		3	1-5 hrs	91	7	1,124	5	1,123	5	2,288	5								
		8	6-10 hrs	100	7	1,546	7	1,310	7	2,658	6								
		13	11-15 hrs	61	4	1,056	5	850	4	1,775	4								
		18	16-20 hrs	28	2	552	3	468	2	922	2								
		23	21-25 hrs	14	1	249	1	195	1	407	1								
		28	26-30 hrs	5	0	92	0	103	1	195	0								
		33	More than 30 hrs	16	1	198	1	200	1	364	1								
			Total	1,336	100	21,129	100	20,360	100	42,020	100								

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NSSE 2014 Frequencies and Statistical Comparisons

McMaster University

Seniors

Item wording or description				Frequency Distributions ^a								Statistical Comparisons ^b																	
				McMaster		Ontario		U15		Canada 2014		McMaster		Ontario		U15		Canada 2014											
				Count	%	Count	%	Count	%	Count	%	Mean	Effect size ^e	Mean	Effect size ^e	Mean	Effect size ^e												
d. Working for pay off campus				tmworkoffhrs	0	0 hrs	837	62	11,162	52	10,742	54	20,174	48	6.1	7.9 ***	-0.17	7.1 ***	-0.10	8.6 ***	-0.23								
				<i>(Recorded version of tmworkoff created by NSSE. Values are estimated number of hours per week.)</i>		3	1-5 hrs	75	6	1,249	6	1,331	6	2,626								6							
				8	6-10 hrs	90	7	1,823	9	1,940	9	3,936	9																
				13	11-15 hrs	96	7	1,999	10	2,017	10	4,284	10																
				18	16-20 hrs	95	7	1,940	9	1,906	9	4,217	10																
				23	21-25 hrs	54	4	1,228	6	1,003	5	2,552	6																
				28	26-30 hrs	23	2	635	3	537	3	1,438	3																
				33	More than 30 hrs	58	5	1,012	5	784	4	2,665	7																
				Total		1,328	100	21,048	100	20,260	100	41,892	100																
				Estimated number of hours working for pay				tmworkhrs																	8.6	10.3 ***	-0.14	9.3 *	-0.06
<i>(Continuous variable created by NSSE)</i>																													
e. Doing community service or volunteer work				tmservicehrs	0	0 hrs	608	48	10,477	51	10,541	53	21,934	53	3.3	3.3	-0.01	2.9 *	0.06	2.9 *	0.06								
				<i>(Recorded version of tmservice created by NSSE. Values are estimated number of hours per week.)</i>		3	1-5 hrs	464	34	6,570	31	6,336	31	13,000								31							
				8	6-10 hrs	145	10	2,105	10	1,829	9	3,738	9																
				13	11-15 hrs	50	4	806	4	713	4	1,418	3																
				18	16-20 hrs	24	2	487	2	393	2	779	2																
				23	21-25 hrs	9	1	238	1	173	1	365	1																
				28	26-30 hrs	8	1	82	0	67	0	158	0																
				33	More than 30 hrs	10	1	158	1	95	0	241	1																
				Total		1,318	100	20,923	100	20,147	100	41,633	100																
				f. Relaxing and socializing (time with friends, video games, TV or videos, keeping up with friends online, etc.)				tmrelaxhrs	0	0 hrs	17	1	300	2								249	1	613	2	13.0	12.7	0.03	12.7
<i>(Recorded version of tmrelax created by NSSE. Values are estimated number of hours per week.)</i>		3	1-5 hrs					270	20	4,152	20	3,752	18	8,313	19														
8	6-10 hrs	334	24					5,773	27	5,815	28	11,857	28																
13	11-15 hrs	271	21					4,365	21	4,297	22	8,765	21																
18	16-20 hrs	192	15					2,973	14	2,899	14	5,801	14																
23	21-25 hrs	114	9					1,388	7	1,394	7	2,755	7																
28	26-30 hrs	43	3					675	3	613	3	1,278	3																
33	More than 30 hrs	78	6					1,370	7	1,185	6	2,425	6																
Total		1,319	100					20,996	100	20,204	100	41,807	100																

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NSSE 2014 Frequencies and Statistical Comparisons

McMaster University

Seniors

				Frequency Distributions ^a								Statistical Comparisons ^b													
				McMaster				Ontario				U15				Canada 2014				<i>Your seniors compared with</i>					
				McMaster		Ontario		U15		Canada 2014		McMaster		Ontario		U15		Canada 2014		Mean	Effect size ^e	Mean	Effect size ^e	Mean	Effect size ^e
Item wording or description	Variable name ^c	Values ^d	Response options	Count	%	Count	%	Count	%	Count	%	Mean	Mean	Effect size ^e	Mean	Effect size ^e	Mean	Effect size ^e	Mean	Effect size ^e					
g. Providing care for dependents (children, parents, etc.)	tmcarehrs	0	0 hrs	939	70	14,609	69	14,875	75	29,525	71	3.1	3.2	-0.2	2.6 *	.08	3.2	-0.2							
	(Recorded version of tmcare created by NSSE. Values are estimated number of hours per week.)	3	1-5 hrs	189	14	2,912	14	2,585	13	5,569	13														
	8	6-10 hrs	71	6	1,214	6	953	4	2,110	5															
	13	11-15 hrs	45	4	706	4	548	3	1,222	3															
	18	16-20 hrs	26	2	489	2	385	2	876	2															
	23	21-25 hrs	7	1	265	1	202	1	498	1															
	28	26-30 hrs	7	1	132	1	124	1	289	1															
	33	More than 30 hrs	37	3	619	3	475	2	1,561	4															
	Total				1,321	100	20,946	100	20,147	100	41,650								100						
h. Commuting to campus (driving, walking, etc.)	tmcommutehrs	0	0 hrs	80	6	1,241	6	1,077	6	2,758	7	5.6	6.5 ***	-0.16	6.3 ***	-0.14	6.2 ***	-0.12							
	(Recorded version of tmcommute created by NSSE. Values are estimated number of hours per week.)	3	1-5 hrs	777	59	10,914	50	10,365	50	21,924	51														
	8	6-10 hrs	313	23	5,347	26	5,620	28	10,965	27															
	13	11-15 hrs	108	8	2,217	11	2,143	11	4,066	10															
	18	16-20 hrs	29	2	816	4	691	4	1,351	3															
	23	21-25 hrs	11	1	306	2	234	1	490	1															
	28	26-30 hrs	5	0	103	1	74	0	179	0															
	33	More than 30 hrs	7	1	166	1	122	1	271	1															
	Total				1,330	100	21,110	100	20,326	100	42,004								100						
16. Of the time you spend preparing for class in a typical 7-day week, about how much is on assigned reading?																									
reading	1	Very little	254	19	3,366	16	3,518	18	6,723	16	2.7	2.9 ***	-0.20	2.9 ***	-0.14	2.9 ***	-0.16								
	(Revised for 2014. Comparison data are limited to NSSE 2014 participating institutions.)	2	Some	410	31	5,261	25	5,239	26	10,813								26							
	3	About half	284	21	4,552	22	4,408	22	9,546	23															
	4	Most	258	19	4,991	24	4,581	22	9,734	23															
	5	Almost all	128	9	2,904	14	2,535	12	5,115	12															
	Total			1,334	100	21,074	100	20,281	100	41,931								100							
tmreadinghrs	(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)											7.3	7.9 **	-0.08	7.7 *	-0.06	7.5	-0.03							

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

NSSE 2014 Frequencies and Statistical Comparisons

McMaster University

Seniors

				Frequency Distributions ^a								Statistical Comparisons ^b							
				McMaster		Ontario		U15		Canada 2014		McMaster		Your seniors compared with					
Item wording or description	Variable name ^c	Values ^d	Response options	Count	%	Count	%	Count	%	Count	%	Mean	Mean	Effect size ^e	Mean	Effect size ^e	Mean	Effect size ^e	
													Ontario	U15	Canada 2014	Ontario	U15	Canada 2014	
	tmreadinghrscol	1	0 hrs	5	0	139	1	130	1	278	1								
	(Collapsed version of tmreadinghrs created by NSSE.)	2	More than zero, up to 5 hrs	636	49	8,995	44	8,976	45	18,989	46								
		3	More than 5, up to 10 hrs	348	26	6,046	29	5,752	28	11,951	29								
		4	More than 10, up to 15 hrs	145	10	2,312	11	2,204	11	4,420	11								
		5	More than 15, up to 20 hrs	97	7	1,667	8	1,467	7	2,920	7								
		6	More than 20, up to 25 hrs	65	5	1,203	6	1,115	5	2,150	5								
		7	More than 25 hrs	31	2	594	3	535	3	1,003	2								
			Total	1,327	100	20,956	100	20,179	100	41,711	100								
17. How much has your experience at this institution contributed to your knowledge, skills, and personal development in the following areas?																			
a. Writing clearly and effectively	pgwrite	1	Very little	85	7	1,417	7	1,598	8	3,003	7	3.0	3.0	.04	2.9 ***	.11	3.0 **	.08	
		2	Some	234	18	4,342	21	4,537	22	9,054	22								
		3	Quite a bit	531	40	8,002	38	7,701	38	16,001	38								
		4	Very much	490	35	7,407	35	6,543	32	14,062	33								
			Total	1,340	100	21,168	100	20,379	100	42,120	100								
b. Speaking clearly and effectively	pgspeak	1	Very little	114	9	2,183	11	2,477	13	4,596	11	2.9	2.8 ***	.12	2.7 ***	.23	2.7 ***	.17	
		2	Some	304	23	5,642	27	5,991	29	11,614	28								
		3	Quite a bit	495	37	7,657	36	7,188	35	15,357	36								
		4	Very much	418	31	5,605	26	4,649	23	10,370	24								
			Total	1,331	100	21,087	100	20,305	100	41,937	100								
c. Thinking critically and analytically	pgthink	1	Very little	22	2	505	3	498	3	1,005	3	3.4	3.3 ***	.11	3.3 ***	.14	3.3 ***	.14	
		2	Some	131	10	2,663	13	2,732	14	5,531	14								
		3	Quite a bit	480	36	7,853	37	7,811	38	16,212	38								
		4	Very much	702	52	10,083	47	9,285	46	19,213	46								
			Total	1,335	100	21,104	100	20,326	100	41,961	100								
d. Analyzing numerical and statistical information	pganalyze	1	Very little	181	13	3,773	17	3,166	15	7,214	17	2.8	2.7 ***	.15	2.7 ***	.11	2.7 ***	.16	
		2	Some	331	24	5,646	27	5,504	27	11,664	27								
		3	Quite a bit	409	31	6,143	29	6,231	31	12,568	30								
		4	Very much	411	32	5,525	27	5,393	27	10,467	26								
			Total	1,332	100	21,087	100	20,294	100	41,913	100								

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

NSSE 2014 Frequencies and Statistical Comparisons

McMaster University

Seniors

Item wording or description				Frequency Distributions ^a								Statistical Comparisons ^b							
				McMaster		Ontario		U15		Canada 2014		McMaster		Ontario		U15		Canada 2014	
				Count	%	Count	%	Count	%	Count	%	Mean	Effect size ^e	Mean	Effect size ^e	Mean	Effect size ^e		
e. Acquiring job- or work-related knowledge and skills	pgwork	1	Very little	231	17	3,731	18	3,534	18	6,638	16	2.6	2.5	.04	2.6	.02	2.6	-.02	
		2	Some	412	31	6,714	32	6,210	31	12,638	30								
		3	Quite a bit	371	28	6,161	29	6,053	30	12,972	31								
		4	Very much	315	24	4,514	21	4,538	22	9,766	23								
		Total		1,329	100	21,120	100	20,335	100	42,014	100								
f. Working effectively with others	pgothers	1	Very little	87	7	1,778	9	1,884	10	3,488	9	2.9	2.8 ***	.13	2.8 ***	.19	2.8 ***	.13	
		2	Some	309	24	5,789	27	5,941	29	11,500	28								
		3	Quite a bit	513	38	7,950	38	7,568	37	15,932	38								
		4	Very much	421	31	5,550	26	4,878	24	10,967	26								
		Total		1,330	100	21,067	100	20,271	100	41,887	100								
g. Developing or clarifying a personal code of values and ethics	pgvalues	1	Very little	226	17	3,482	17	3,703	19	6,950	17	2.6	2.6	.04	2.5 ***	.11	2.5 *	.06	
		2	Some	377	28	6,470	31	6,502	32	13,099	31								
		3	Quite a bit	418	31	6,706	32	6,286	31	13,383	32								
		4	Very much	311	23	4,427	21	3,805	18	8,499	20								
		Total		1,332	100	21,085	100	20,296	100	41,931	100								
h. Understanding people of other backgrounds (economic, racial/ethnic, political, religious, nationality, etc.)	pgdiverse	1	Very little	198	15	3,267	16	3,590	18	7,004	17	2.7	2.6	.05	2.5 ***	.16	2.5 ***	.11	
		2	Some	383	29	6,455	31	6,698	33	13,392	32								
		3	Quite a bit	417	31	6,643	31	6,114	30	12,845	30								
		4	Very much	336	25	4,735	22	3,899	19	8,722	21								
		Total		1,334	100	21,100	100	20,301	100	41,963	100								
i. Solving complex real-world problems	pgprobsolve	1	Very little	171	13	3,108	15	2,959	15	5,928	14	2.7	2.6 **	.09	2.6 **	.09	2.6 **	.08	
		2	Some	430	32	6,864	32	6,616	33	13,622	32								
		3	Quite a bit	412	31	6,900	33	6,748	33	14,029	33								
		4	Very much	324	24	4,230	20	3,981	20	8,370	20								
		Total		1,337	100	21,102	100	20,304	100	41,949	100								
j. Being an informed and active citizen	pgcitizen	1	Very little	207	16	3,668	18	3,736	19	6,989	17	2.5	2.5	.02	2.4 **	.08	2.5	.03	
		2	Some	468	35	6,965	33	7,051	35	14,188	34								
		3	Quite a bit	392	29	6,426	31	6,120	30	13,105	31								
		4	Very much	262	19	3,951	19	3,325	16	7,527	18								
		Total		1,329	100	21,010	100	20,232	100	41,809	100								

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

NSSE 2014 Frequencies and Statistical Comparisons

McMaster University

Seniors

Item wording or description				Frequency Distributions ^a								Statistical Comparisons ^b							
				McMaster				Ontario				U15				Canada 2014			
				McMaster		Ontario		U15		Canada 2014		McMaster		Ontario		U15		Canada 2014	
Count		%		Count		%		Count		%		Count		%		Count		%	
				Mean		Effect size ^e		Mean		Effect size ^e		Mean		Effect size ^e		Mean		Effect size ^e	
18. How would you evaluate your entire educational experience at this institution?																			
evalexp																			
	1	Poor	25	2	816	4	807	4	1,525	4	3.2		3.0 *** .24		3.0 *** .26		3.0 *** .24		
	2	Fair	159	12	3,585	17	3,595	18	7,011	17									
	3	Good	635	48	10,602	50	10,560	51	21,836	52									
	4	Excellent	515	38	6,185	28	5,425	27	11,744	28									
	Total		1,334	100	21,188	100	20,387	100	42,116	100									
19. If you could start over again, would you go to the same institution you are now attending?																			
sameinst																			
	1	Definitely no	31	2	1,343	7	1,173	6	2,288	6	3.3		3.0 *** .26		3.1 *** .22		3.1 *** .21		
	2	Probably no	172	13	3,580	17	3,281	16	6,629	16									
	3	Probably yes	552	41	8,968	43	9,002	44	18,412	44									
	4	Definitely yes	585	43	7,307	33	6,933	34	14,811	35									
	Total		1,340	100	21,198	100	20,389	100	42,140	100									

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NSSE 2014 Frequencies and Statistical Comparisons

Detailed Statistics^g McMaster University

First-Year Students

Variable Name	N				Mean				Standard error ^h				Standard deviation ⁱ				Degrees of freedom ^j			Significance ^k			Effect size ^e		
	McMaster	McMaster	Ontario	U15	Canada 2014	McMaster	Ontario	U15	Canada 2014	McMaster	Ontario	U15	Canada 2014	Comparisons with:			Comparisons with:			Comparisons with:					
														Ontario	U15	Canada 2014	Ontario	U15	Canada 2014	Ontario	U15	Canada 2014			
1 a. askquest	1,538	2.49	2.40	2.28	2.39	.022	.006	.006	.004	.86	.86	.85	.88	25,431	1,750	52,832	.000	.000	.000	.10	.24	.10			
b. drafts	1,529	2.19	2.25	2.21	2.23	.025	.006	.007	.004	.99	.97	.98	.98	25,278	23,654	52,513	.015	.333	.133	-.06	-.03	-.04			
c. unpreparedr	1,526	2.67	2.74	2.72	2.79	.022	.005	.006	.004	.86	.84	.84	.83	1,718	1,732	1,612	.001	.013	.000	-.09	-.07	-.15			
d. attendart	1,519	1.60	1.63	1.68	1.64	.021	.006	.006	.004	.81	.85	.84	.85	1,742	1,754	1,620	.131	.000	.019	-.04	-.10	-.06			
e. CLaskhelp	1,525	2.69	2.60	2.63	2.55	.023	.006	.006	.004	.91	.89	.89	.88	25,140	23,542	52,260	.000	.010	.000	.10	.07	.15			
f. CLexplain	1,493	2.83	2.75	2.71	2.68	.021	.005	.006	.004	.83	.83	.82	.83	24,689	23,124	1,583	.000	.000	.000	.10	.14	.18			
g. CLstudy	1,504	2.60	2.60	2.59	2.55	.026	.006	.007	.004	1.00	.98	.97	.98	24,720	23,156	51,313	.900	.757	.076	.00	.01	.05			
h. CLproject	1,494	2.75	2.55	2.58	2.60	.023	.006	.006	.004	.89	.95	.95	.96	1,720	1,736	1,599	.000	.000	.000	.21	.17	.16			
i. present	1,491	2.21	1.84	1.74	1.86	.022	.006	.006	.004	.84	.88	.82	.89	1,710	1,696	1,593	.000	.000	.000	.41	.56	.39			
2 a. RIntegrate	1,460	2.76	2.70	2.66	2.68	.023	.006	.006	.004	.87	.85	.84	.85	24,299	22,701	50,293	.006	.000	.000	.07	.12	.10			
b. RIsocietal	1,449	2.63	2.56	2.51	2.56	.023	.006	.006	.004	.89	.88	.88	.88	24,031	22,464	49,695	.006	.000	.002	.07	.14	.08			
c. RIdiverse	1,447	2.39	2.35	2.21	2.28	.025	.006	.006	.004	.96	.94	.93	.93	24,041	1,639	1,529	.134	.000	.000	.04	.20	.12			
d. Rlownview	1,443	2.68	2.63	2.55	2.58	.022	.006	.006	.004	.85	.84	.85	.84	23,980	22,355	49,557	.015	.000	.000	.07	.16	.12			
e. Rlperspect	1,446	2.76	2.75	2.69	2.73	.023	.006	.006	.004	.88	.85	.85	.85	1,623	22,280	1,527	.558	.001	.092	.02	.09	.05			
f. Rlnewview	1,444	2.88	2.86	2.83	2.84	.022	.005	.006	.004	.83	.81	.80	.80	23,858	22,247	49,302	.356	.025	.047	.03	.06	.05			
g. Rlconnect	1,431	3.09	3.05	3.04	3.04	.021	.005	.005	.004	.78	.79	.78	.78	23,768	22,150	49,081	.078	.033	.046	.05	.06	.05			
3 a. SFcareer	1,439	1.80	1.73	1.70	1.72	.023	.006	.006	.004	.87	.86	.84	.84	23,915	22,255	49,373	.004	.000	.000	.08	.12	.10			
b. SFotherwork	1,435	1.48	1.46	1.42	1.40	.021	.005	.005	.003	.79	.78	.75	.73	23,815	1,617	1,510	.536	.005	.000	.02	.08	.11			
c. SFdiscuss	1,429	1.80	1.79	1.74	1.75	.023	.006	.006	.004	.87	.86	.83	.83	23,807	22,156	49,157	.604	.003	.013	.01	.08	.07			
d. SFperform	1,429	1.73	1.72	1.62	1.66	.022	.006	.005	.004	.82	.84	.79	.80	23,711	22,061	48,959	.663	.000	.001	.01	.14	.09			
4 a. memorize	1,440	2.87	2.99	3.03	3.00	.023	.006	.006	.004	.88	.84	.84	.84	1,616	1,630	1,520	.000	.000	.000	-.14	-.18	-.15			
b. HOapply	1,438	3.10	2.99	3.00	2.96	.021	.006	.006	.004	.80	.84	.84	.83	23,713	22,100	48,947	.000	.000	.000	.13	.12	.18			
c. HOanalyze	1,427	2.95	2.91	2.87	2.86	.023	.006	.006	.004	.86	.86	.86	.86	23,580	1,633	1,513	.060	.001	.000	.05	.09	.11			
d. HOevaluate	1,421	2.77	2.73	2.60	2.65	.024	.006	.006	.004	.92	.90	.91	.90	23,589	21,982	48,711	.139	.000	.000	.04	.18	.12			
e. HOform	1,404	2.75	2.75	2.68	2.70	.025	.006	.006	.004	.92	.89	.90	.88	1,573	21,939	1,481	.896	.003	.035	.00	.08	.06			
5 a. ETgoals	1,438	2.97	2.99	3.01	3.01	.021	.005	.005	.004	.81	.79	.76	.77	1,616	1,618	1,517	.371	.041	.038	-.02	-.06	-.06			
b. ETorganize	1,433	2.97	3.00	3.01	3.00	.021	.005	.005	.003	.78	.78	.74	.76	23,749	1,614	1,513	.231	.078	.254	-.03	-.05	-.03			
c. ETexample	1,428	3.04	3.00	3.02	3.00	.021	.006	.006	.004	.79	.83	.79	.81	23,679	22,020	48,804	.050	.238	.045	.05	.03	.05			
d. ETdraftfb	1,429	2.22	2.34	2.28	2.34	.025	.006	.007	.004	.93	.97	.94	.95	1,632	1,637	1,519	.000	.044	.000	-.12	-.05	-.12			
e. ETfeedback	1,424	2.34	2.42	2.37	2.43	.025	.006	.006	.004	.93	.92	.90	.91	23,594	21,943	48,658	.001	.182	.000	-.09	-.04	-.10			

NSSE 2014 Frequencies and Statistical Comparisons

Detailed Statistics^g McMaster University

First-Year Students

Variable Name	N		Mean				Standard error ^h				Standard deviation ⁱ				Degrees of freedom ^j			Significance ^k			Effect size ^e		
	McMaster		McMaster	Ontario	U15	Canada 2014	McMaster	Ontario	U15	Canada 2014	McMaster	Ontario	U15	Canada 2014	Comparisons with:			Comparisons with:			Comparisons with:		
															Ontario	U15	Canada 2014	Ontario	U15	Canada 2014	Ontario	U15	Canada 2014
6 a. QRconclude	1,439		2.46	2.40	2.43	2.36	.025	.006	.007	.004	.96	.97	.95	.96	23,790	22,107	49,016	.040	.249	.000	.06	.03	.10
b. QRproblem	1,433		2.26	2.15	2.11	2.09	.025	.006	.006	.004	.95	.93	.93	.93	1,614	1,626	1,515	.000	.000	.000	.12	.16	.18
c. QRevaluate	1,427		2.28	2.15	2.15	2.10	.024	.006	.006	.004	.92	.91	.90	.90	1,610	1,619	1,509	.000	.000	.000	.14	.15	.20
7 a. wrshortnum	1,316		5.76	6.12	6.07	6.01	.153	.039	.042	.027	5.57	5.56	5.71	5.54	21,568	20,031	44,099	.023	.054	.103	-.06	-.06	-.05
b. wrmednum	1,282		2.58	3.16	2.92	3.01	.092	.027	.028	.018	3.28	3.80	3.77	3.68	1,508	1,526	1,381	.000	.000	.000	-.15	-.09	-.12
c. wrlongnum	1,232		1.25	1.56	1.51	1.58	.090	.025	.026	.017	3.16	3.53	3.42	3.46	1,436	1,440	1,322	.001	.006	.000	-.09	-.08	-.09
— wrpages	1,205		53.84	63.43	60.78	62.06	2.063	.550	.567	.369	71.62	75.20	74.25	73.23	1,380	1,392	1,282	.000	.001	.000	-.13	-.09	-.11
8 a. DDrace	1,354		3.31	3.16	3.09	3.05	.023	.006	.007	.004	.84	.91	.94	.95	1,566	1,596	1,459	.000	.000	.000	.17	.24	.28
b. DDeconomic	1,350		3.12	3.01	2.94	2.92	.024	.006	.007	.004	.88	.92	.93	.94	22,389	20,741	1,443	.000	.000	.000	.11	.19	.21
c. DDreligion	1,345		3.16	3.04	2.94	2.91	.024	.007	.007	.005	.90	.95	.98	.98	22,363	1,575	1,444	.000	.000	.000	.12	.23	.26
d. DDpolitical	1,344		2.97	2.86	2.84	2.82	.026	.007	.007	.005	.94	.97	.97	.97	1,533	1,547	1,430	.000	.000	.000	.11	.14	.16
9 a. LSreading	1,342		3.02	3.06	3.07	3.08	.023	.005	.006	.004	.83	.79	.80	.80	22,357	20,733	45,783	.046	.020	.009	-.06	-.07	-.07
b. LSnotes	1,345		2.55	2.58	2.62	2.62	.025	.006	.007	.004	.92	.91	.92	.92	22,285	20,663	45,607	.181	.003	.003	-.04	-.08	-.08
c. LSsummary	1,332		2.68	2.69	2.73	2.70	.025	.006	.007	.004	.92	.92	.93	.94	22,042	20,463	45,177	.712	.065	.334	-.01	-.05	-.03
10. challenge	1,343		5.53	5.42	5.43	5.40	.034	.008	.009	.006	1.24	1.21	1.20	1.20	22,287	20,634	45,593	.002	.008	.000	.09	.08	.10
11 a. intern ^l	1,343		.050	.081	.091	.099	.0060	.0019	.0021	.0014	--	--	--	--	--	--	--	.000	.000	.000	-.12	-.16	-.19
b. leader ^l	1,334		.080	.090	.094	.084	.0074	.0020	.0021	.0013	--	--	--	--	--	--	--	.229	.095	.619	-.03	-.05	-.01
c. learncom ^l	1,332		.077	.099	.111	.098	.0073	.0021	.0023	.0014	--	--	--	--	--	--	--	.009	.000	.011	-.08	-.12	-.07
d. abroad ^l	1,331		.024	.027	.025	.028	.0042	.0011	.0011	.0008	--	--	--	--	--	--	--	.576	.828	.439	-.02	-.01	-.02
e. research ^l	1,328		.036	.031	.035	.033	.0051	.0012	.0013	.0008	--	--	--	--	--	--	--	.356	.956	.540	.03	.00	.02
f. capstone ^l	1,333		.018	.025	.024	.025	.0037	.0011	.0011	.0007	--	--	--	--	--	--	--	.107	.200	.114	-.05	-.04	-.05
12. servcourse	1,317		1.61	1.51	1.42	1.45	.017	.005	.005	.003	.62	.67	.63	.64	1,520	20,368	44,975	.000	.000	.000	.15	.30	.25
13 a. QIstudent	1,329		5.70	5.53	5.53	5.53	.037	.010	.010	.007	1.36	1.41	1.38	1.39	1,515	20,495	1,414	.000	.000	.000	.12	.12	.12
b. QIadvisor	1,089		4.91	4.59	4.60	4.60	.054	.014	.015	.010	1.79	1.79	1.77	1.81	18,429	15,932	1,159	.000	.000	.000	.18	.17	.17
c. QIfaculty	1,259		4.92	4.74	4.79	4.86	.044	.012	.012	.008	1.56	1.65	1.58	1.59	1,445	19,358	43,142	.000	.004	.139	.11	.08	.04
d. QIstaff	1,079		4.70	4.60	4.69	4.65	.054	.014	.014	.010	1.77	1.82	1.74	1.79	1,227	16,055	35,080	.085	.821	.426	.05	.01	.02
e. QIadmin	1,145		4.70	4.58	4.63	4.64	.050	.013	.014	.009	1.70	1.79	1.73	1.77	1,308	16,888	1,222	.027	.216	.281	.06	.04	.03
14 a. empstudy	1,247		3.22	3.19	3.26	3.18	.021	.005	.005	.004	.76	.76	.74	.75	21,085	19,466	1,319	.180	.093	.081	.04	-.05	.05
b. SEacademic	1,242		2.95	2.92	2.87	2.88	.024	.006	.006	.004	.86	.85	.83	.84	20,945	19,361	42,610	.159	.000	.001	.04	.11	.09
c. SElearnsup	1,237		2.81	2.90	2.79	2.80	.027	.006	.007	.005	.93	.91	.90	.92	1,388	19,334	42,586	.002	.465	.756	-.09	.02	.01

NSSE 2014 Frequencies and Statistical Comparisons

Detailed Statistics^g McMaster University

First-Year Students

Variable Name	N		Mean				Standard error ^h				Standard deviation ⁱ				Degrees of freedom ⁱ			Significance ^k			Effect size ^e		
	McMaster	McMaster	Ontario	U15	Canada 2014	McMaster	Ontario	U15	Canada 2014	McMaster	Ontario	U15	Canada 2014	Comparisons with:			Comparisons with:			Comparisons with:			
														Ontario	U15	Canada 2014	Ontario	U15	Canada 2014	Ontario	U15	Canada 2014	
d. SEdiverse	1,245	2.51	2.47	2.40	2.41	.028	.007	.007	.005	1.00	.98	.97	.98	20,965	1,410	42,679	.240	.000	.000	.03	.11	.10	
e. SESocial	1,242	2.83	2.77	2.73	2.71	.026	.007	.007	.004	.90	.92	.90	.91	1,407	19,352	1,318	.017	.000	.000	.07	.12	.13	
f. SEwellness	1,231	2.86	2.77	2.75	2.71	.026	.007	.007	.005	.91	.93	.91	.93	1,394	19,278	1,306	.001	.000	.000	.10	.12	.16	
g. SEnonacad	1,233	2.22	2.18	2.14	2.12	.028	.007	.007	.005	.97	.96	.93	.94	20,837	1,392	1,303	.123	.003	.000	.05	.09	.11	
h. SEactivities	1,232	2.63	2.56	2.58	2.55	.026	.007	.007	.005	.92	.95	.92	.94	1,400	19,225	42,307	.016	.083	.004	.07	.05	.08	
i. SEevents	1,220	2.28	2.34	2.36	2.34	.026	.007	.007	.005	.92	.94	.92	.93	1,384	19,136	42,181	.040	.003	.035	-.06	-.09	-.06	
15 a. tmprephrs	1,237	17.70	15.58	16.61	15.30	.271	.066	.069	.045	9.55	9.21	9.31	9.15	20,947	19,362	1,305	.000	.000	.000	.23	.12	.26	
b. tmcocurrhrs	1,236	4.19	3.82	3.72	3.36	.179	.041	.041	.027	6.31	5.68	5.52	5.39	1,364	1,368	1,290	.046	.010	.000	.06	.08	.15	
c. tmworkonhrs	1,234	1.02	1.08	.98	.98	.121	.030	.029	.020	4.24	4.18	3.94	3.96	20,878	19,317	42,447	.669	.699	.690	-.01	.01	.01	
d. tmworkoffhrs	1,228	3.64	4.42	4.33	5.81	.214	.058	.057	.045	7.49	8.09	7.65	9.04	1,412	1,407	1,336	.000	.002	.000	-.10	-.09	-.24	
— tmworkhrs	1,223	4.60	5.40	5.24	6.70	.274	.071	.070	.051	9.58	9.96	9.37	10.37	1,393	19,182	1,309	.005	.022	.000	-.08	-.07	-.20	
e. tmservehrs	1,220	2.18	2.22	2.04	2.09	.138	.034	.033	.022	4.81	4.75	4.44	4.49	20,618	19,054	41,935	.808	.278	.446	-.01	.03	.02	
f. tmrelaxhrs	1,223	12.35	13.41	12.99	13.12	.243	.064	.064	.043	8.50	8.94	8.55	8.75	1,397	19,138	42,136	.000	.011	.002	-.12	-.07	-.09	
g. tmcarehrs	1,218	2.80	3.04	2.40	3.11	.185	.048	.044	.035	6.46	6.63	5.91	7.04	20,634	1,360	1,305	.227	.033	.100	-.04	.07	-.04	
h. tmcommutehrs	1,227	5.07	6.06	6.01	5.97	.176	.045	.043	.029	6.16	6.27	5.77	5.86	20,807	1,376	42,323	.000	.000	.000	-.16	-.16	-.15	
16. reading	1,212	2.65	2.88	2.83	2.87	.034	.009	.009	.006	1.20	1.23	1.23	1.22	20,715	19,126	42,120	.000	.000	.000	-.19	-.15	-.18	
— tmreadinghrs	1,207	7.59	7.56	7.80	7.38	.192	.048	.051	.033	6.67	6.67	6.75	6.57	20,598	19,033	41,888	.900	.292	.271	.00	-.03	.03	
17 a. pgwrite	1,228	2.56	2.63	2.53	2.59	.028	.007	.007	.005	.97	.92	.94	.93	1,367	1,387	1,295	.010	.271	.228	-.08	.03	-.04	
b. pgspeak	1,218	2.45	2.39	2.23	2.32	.028	.007	.007	.005	.98	.97	.96	.96	20,786	1,379	42,229	.054	.000	.000	.06	.23	.13	
c. pgthink	1,224	3.09	3.05	3.00	2.99	.024	.006	.006	.004	.83	.83	.84	.84	20,801	1,400	1,298	.054	.000	.000	.06	.12	.12	
d. pganalyze	1,222	2.61	2.46	2.55	2.45	.029	.007	.008	.005	1.03	1.04	1.02	1.02	20,780	19,191	42,227	.000	.050	.000	.14	.06	.15	
e. pgwork	1,221	2.42	2.36	2.37	2.39	.028	.007	.007	.005	.99	.99	.99	.99	20,807	19,219	42,285	.061	.095	.414	.06	.05	.02	
f. pgothers	1,224	2.75	2.59	2.52	2.56	.027	.007	.007	.005	.94	.95	.95	.95	20,769	19,179	42,204	.000	.000	.000	.17	.24	.20	
g. pgvalues	1,224	2.55	2.45	2.34	2.39	.028	.007	.007	.005	.99	.98	.97	.97	20,755	1,386	42,204	.000	.000	.000	.11	.22	.17	
h. pgdiverse	1,224	2.58	2.50	2.39	2.44	.029	.007	.007	.005	1.00	1.00	.99	.99	20,803	19,179	42,229	.006	.000	.000	.08	.20	.15	
i. pgprobsolve	1,217	2.63	2.48	2.45	2.45	.028	.007	.007	.005	.97	.97	.96	.96	20,790	19,182	42,214	.000	.000	.000	.16	.19	.19	
j. pgcitizen	1,218	2.45	2.44	2.37	2.41	.027	.007	.007	.005	.96	.98	.95	.96	20,701	19,117	42,076	.585	.003	.091	.02	.09	.05	
18. evalexp	1,222	3.16	3.03	3.03	3.03	.022	.005	.006	.004	.78	.76	.74	.74	1,369	1,377	1,287	.000	.000	.000	.18	.17	.18	
19. sameinst	1,221	3.30	3.18	3.24	3.21	.022	.006	.006	.004	.76	.79	.76	.77	20,909	19,286	42,486	.000	.004	.000	.16	.08	.11	

NSSE 2014 Frequencies and Statistical Comparisons

Detailed Statistics^g McMaster University

Seniors

Variable Name	N					Mean				Standard error ^h				Standard deviation ⁱ				Degrees of freedom ^j			Significance ^k			Effect size ^e		
	McMaster	McMaster	Ontario	U15	Canada 2014	McMaster	Ontario	U15	Canada 2014	McMaster	Ontario	U15	Canada 2014	Comparisons with:			Comparisons with:			Comparisons with:						
														Ontario	U15	Canada 2014	Ontario	U15	Canada 2014	Ontario	U15	Canada 2014				
1 a. askquest	1,612	2.81	2.79	2.69	2.77	.023	.006	.006	.004	.92	.92	.93	.92	22,065	23,347	45,558	.484	.000	.149	.02	.13	.04				
b. drafts	1,602	2.22	2.28	2.21	2.25	.025	.007	.007	.005	1.01	1.03	1.03	1.04	1,874	1,858	1,727	.024	.809	.194	-.06	.01	-.03				
c. unpreparedr	1,595	2.66	2.68	2.66	2.71	.021	.006	.006	.004	.84	.85	.85	.85	21,910	23,207	45,244	.360	.997	.008	-.02	.00	-.07				
d. attendart	1,597	1.71	1.73	1.79	1.75	.021	.006	.006	.004	.85	.88	.88	.88	21,845	23,145	45,151	.370	.000	.089	-.02	-.09	-.04				
e. CLaskhelp	1,587	2.51	2.40	2.42	2.38	.022	.006	.006	.004	.89	.88	.88	.87	1,838	23,143	1,700	.000	.000	.000	.12	.10	.14				
f. CLexplain	1,558	2.79	2.72	2.67	2.68	.021	.006	.006	.004	.82	.83	.83	.83	21,497	22,723	1,675	.002	.000	.000	.08	.14	.13				
g. CLstudy	1,560	2.62	2.51	2.48	2.48	.025	.007	.007	.005	.99	.99	.98	.99	21,494	22,721	44,390	.000	.000	.000	.11	.15	.14				
h. CLproject	1,563	2.98	2.85	2.84	2.89	.023	.007	.006	.005	.93	.93	.94	.95	1,820	1,810	1,683	.000	.000	.000	.13	.14	.10				
i. present	1,549	2.76	2.69	2.55	2.66	.024	.007	.006	.005	.96	.95	.94	.96	21,413	22,600	44,174	.003	.000	.000	.08	.22	.11				
2 a. RIntegrate	1,535	2.93	2.95	2.90	2.95	.021	.006	.006	.004	.83	.82	.83	.83	21,149	22,367	43,712	.433	.169	.450	-.02	.04	-.02				
b. RIsocietal	1,522	2.71	2.74	2.67	2.74	.023	.007	.006	.004	.90	.91	.91	.90	20,920	22,130	43,229	.144	.141	.140	-.04	.04	-.04				
c. RIdiverse	1,516	2.42	2.50	2.36	2.44	.025	.007	.007	.005	.97	.98	.98	.98	20,908	22,109	43,224	.006	.015	.588	-.07	.06	-.01				
d. Rlownview	1,507	2.71	2.72	2.65	2.69	.022	.006	.006	.004	.86	.86	.86	.86	20,886	22,083	43,159	.678	.012	.552	-.01	.07	.02				
e. Rlperspect	1,510	2.80	2.82	2.75	2.80	.022	.006	.006	.004	.84	.85	.86	.85	20,832	1,752	43,007	.434	.036	.956	-.02	.05	.00				
f. Rlnewview	1,508	2.92	2.92	2.88	2.89	.020	.006	.006	.004	.78	.79	.79	.79	20,798	1,746	1,623	.865	.046	.253	.00	.05	.03				
g. Rlconnect	1,494	3.13	3.12	3.09	3.13	.020	.006	.005	.004	.77	.77	.77	.76	20,685	21,861	42,734	.953	.088	.904	.00	.05	.00				
3 a. SFcareer	1,496	2.06	2.07	2.00	2.04	.024	.007	.006	.005	.92	.93	.90	.92	20,799	1,709	42,934	.668	.010	.508	-.01	.07	.02				
b. SFotherwork	1,492	1.73	1.69	1.65	1.66	.024	.007	.006	.004	.93	.93	.90	.91	20,714	1,700	42,756	.140	.003	.004	.04	.08	.08				
c. SFdiscuss	1,495	2.03	2.05	1.99	2.02	.023	.007	.006	.004	.90	.91	.88	.90	20,714	21,862	42,770	.391	.086	.645	-.02	.05	.01				
d. SFperform	1,486	1.91	1.94	1.80	1.86	.022	.006	.006	.004	.86	.88	.84	.86	20,653	1,699	42,622	.220	.000	.051	-.03	.13	.05				
4 a. memorize	1,501	2.84	2.83	2.88	2.83	.024	.007	.006	.004	.93	.91	.90	.91	20,744	1,717	42,804	.709	.082	.639	.01	-.05	.01				
b. HOapply	1,494	3.01	3.00	2.97	2.99	.022	.006	.006	.004	.84	.83	.84	.83	20,648	21,793	42,586	.812	.100	.365	.01	.04	.02				
c. HOanalyze	1,477	2.92	2.97	2.90	2.93	.023	.006	.006	.004	.89	.86	.88	.86	1,693	21,709	1,577	.062	.359	.704	-.05	.02	-.01				
d. HOevaluate	1,480	2.81	2.82	2.72	2.77	.024	.007	.006	.004	.92	.90	.92	.90	20,599	21,694	42,454	.630	.000	.130	-.01	.10	.04				
e. HOform	1,473	2.79	2.81	2.73	2.78	.024	.006	.006	.004	.91	.90	.90	.89	20,558	21,663	42,379	.624	.011	.500	-.01	.07	.02				
5 a. ETgoals	1,492	3.07	3.01	3.01	3.02	.020	.006	.005	.004	.76	.77	.76	.77	1,734	1,714	1,601	.005	.003	.021	.08	.08	.06				
b. ETorganize	1,488	3.01	2.99	2.98	2.99	.020	.005	.005	.004	.76	.76	.74	.75	20,668	21,784	42,578	.352	.195	.370	.03	.03	.02				
c. ETexample	1,480	3.00	2.98	2.99	2.99	.021	.006	.006	.004	.80	.81	.79	.80	20,610	21,738	42,456	.446	.646	.762	.02	.01	.01				
d. ETdraftfb	1,484	2.39	2.40	2.28	2.38	.025	.007	.007	.005	.98	.97	.95	.97	20,631	1,695	42,507	.757	.000	.600	-.01	.11	.01				
e. ETfeedback	1,480	2.58	2.55	2.46	2.53	.023	.007	.006	.004	.88	.90	.89	.90	20,536	21,672	42,343	.124	.000	.026	.04	.14	.06				

NSSE 2014 Frequencies and Statistical Comparisons

Detailed Statistics^g McMaster University

Seniors

Variable Name	N					Standard error ^h				Standard deviation ⁱ				Degrees of freedom ^j			Significance ^k			Effect size ^e		
	McMaster	Mean				McMaster	Standard error ^h			McMaster	Standard deviation ⁱ			Comparisons with:			Comparisons with:			Comparisons with:		
		McMaster	Ontario	U15	Canada 2014		Ontario	U15	Canada 2014		Ontario	U15	Canada 2014	Ontario	U15	Canada 2014	Ontario	U15	Canada 2014	Ontario	U15	Canada 2014
6 a. QRconclude	1,488	2.56	2.46	2.46	2.44	.025	.007	.007	.005	.98	.99	.98	.99	20,715	21,824	42,672	.000	.000	.000	.10	.11	.13
b. QRproblem	1,487	2.26	2.22	2.20	2.20	.025	.007	.007	.005	.97	.97	.97	.97	20,657	21,780	42,580	.205	.028	.035	.03	.06	.06
c. QRevaluate	1,479	2.36	2.32	2.31	2.28	.025	.007	.007	.005	.96	.95	.95	.95	20,608	21,730	42,464	.062	.024	.001	.05	.06	.09
7 a. wrshortnum	1,364	7.02	7.17	6.72	6.87	.172	.048	.045	.032	6.34	6.34	6.14	6.24	18,770	19,739	38,311	.375	.084	.406	-.02	.05	.02
b. wrmednum	1,366	4.44	4.81	4.28	4.51	.126	.034	.032	.023	4.66	4.57	4.33	4.44	19,010	1,544	1,457	.004	.218	.619	-.08	.04	-.01
c. wrlongnum	1,337	2.73	3.24	3.00	3.18	.106	.033	.031	.022	3.86	4.32	4.13	4.27	1,606	1,569	1,457	.000	.013	.000	-.12	-.07	-.11
— wrpages	1,289	95.73	105.21	96.17	100.82	2.561	.745	.693	.500	91.94	95.88	91.27	93.55	17,849	18,650	36,247	.001	.868	.055	-.10	.00	-.05
8 a. DDrace	1,412	3.33	3.21	3.16	3.11	.023	.007	.006	.005	.86	.89	.91	.93	19,857	1,644	1,530	.000	.000	.000	.14	.19	.24
b. DDeconomic	1,407	3.14	3.07	2.99	3.00	.024	.007	.006	.005	.88	.89	.90	.91	19,782	20,772	40,619	.007	.000	.000	.08	.16	.16
c. DDreligion	1,404	3.20	3.09	2.99	2.97	.024	.007	.007	.005	.90	.92	.95	.96	19,746	20,738	40,536	.000	.000	.000	.12	.22	.24
d. DDpolitical	1,394	2.98	2.96	2.93	2.92	.025	.007	.007	.005	.94	.93	.92	.93	19,640	20,622	40,343	.629	.060	.018	.01	.05	.06
9 a. LSreading	1,409	3.13	3.16	3.13	3.16	.022	.006	.006	.004	.81	.80	.82	.81	19,757	20,749	40,585	.103	.798	.189	-.05	-.01	-.04
b. LSnotes	1,397	2.43	2.48	2.49	2.50	.025	.007	.007	.005	.94	.95	.95	.95	19,691	1,614	1,502	.066	.020	.005	-.05	-.06	-.08
c. LSsummary	1,390	2.64	2.66	2.67	2.66	.025	.007	.007	.005	.92	.94	.96	.96	19,520	1,615	1,499	.400	.288	.394	-.02	-.03	-.02
10. challenge	1,397	5.40	5.38	5.32	5.35	.032	.009	.009	.006	1.20	1.21	1.21	1.22	19,689	20,683	40,460	.500	.017	.103	.02	.07	.04
11 a. intern ^l	1,396	.460	.460	.496	.475	.0133	.0037	.0036	.0025	--	--	--	--	--	--	--	.993	.010	.276	.00	-.07	-.03
b. leader ^l	1,391	.388	.320	.341	.305	.0131	.0034	.0034	.0023	--	--	--	--	--	--	--	.000	.000	.000	.14	.10	.17
c. learncom ^l	1,391	.178	.184	.190	.183	.0102	.0029	.0028	.0020	--	--	--	--	--	--	--	.541	.271	.591	-.02	-.03	-.01
d. abroad ^l	1,390	.076	.099	.129	.107	.0071	.0022	.0024	.0016	--	--	--	--	--	--	--	.007	.000	.000	-.08	-.18	-.11
e. research ^l	1,386	.317	.227	.253	.223	.0125	.0031	.0031	.0021	--	--	--	--	--	--	--	.000	.000	.000	.20	.14	.21
f. capstone ^l	1,391	.486	.319	.305	.302	.0134	.0035	.0033	.0023	--	--	--	--	--	--	--	.000	.000	.000	.34	.37	.38
12. servcourse	1,394	1.53	1.53	1.46	1.51	.016	.005	.004	.003	.61	.65	.61	.64	1,641	20,547	40,154	.821	.000	.243	-.01	.12	.03
13 a. QIstudent	1,398	5.84	5.64	5.61	5.66	.033	.010	.010	.007	1.23	1.33	1.32	1.31	1,660	1,640	1,513	.000	.000	.000	.15	.18	.14
b. QIadvisor	1,267	4.94	4.62	4.49	4.60	.048	.014	.014	.010	1.72	1.82	1.82	1.83	1,493	1,488	1,376	.000	.000	.000	.18	.25	.19
c. QIfaculty	1,370	5.28	5.13	5.05	5.17	.039	.011	.011	.007	1.43	1.49	1.49	1.46	19,284	20,275	39,638	.000	.000	.010	.10	.15	.07
d. QIstaff	1,143	4.81	4.53	4.53	4.59	.050	.015	.014	.010	1.68	1.78	1.72	1.75	1,345	1,326	1,237	.000	.000	.000	.16	.16	.13
e. QIadmin	1,319	4.85	4.54	4.53	4.60	.045	.013	.013	.009	1.63	1.74	1.71	1.72	1,559	1,549	1,430	.000	.000	.000	.18	.19	.14
14 a. empstudy	1,334	3.22	3.19	3.27	3.17	.020	.006	.006	.004	.73	.78	.75	.77	1,571	1,545	38,845	.109	.037	.008	.04	-.06	.07
b. SEacademic	1,325	2.74	2.67	2.60	2.66	.023	.007	.006	.004	.85	.86	.84	.85	18,866	19,800	38,586	.004	.000	.001	.08	.17	.10
c. SElearnsup	1,330	2.47	2.61	2.48	2.54	.025	.007	.007	.005	.92	.92	.89	.91	18,885	1,514	38,641	.000	.737	.004	-.16	-.01	-.08

NSSE 2014 Frequencies and Statistical Comparisons

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Seniors

Variable Name	N					Standard error ^h				Standard deviation ⁱ				Degrees of freedom ^j			Significance ^k			Effect size ^e		
	McMaster	McMaster	Ontario	U15	Canada 2014	McMaster	Ontario	U15	Canada 2014	McMaster	Ontario	U15	Canada 2014	Comparisons with:			Comparisons with:			Comparisons with:		
														Ontario	U15	Canada 2014	Ontario	U15	Canada 2014	Ontario	U15	Canada 2014
d. SEdiverse	1,327	2.33	2.30	2.21	2.26	.026	.007	.007	.005	.96	.99	.96	.98	18,897	19,823	38,678	.324	.000	.011	.03	.12	.07
e. SESocial	1,328	2.74	2.63	2.60	2.60	.025	.007	.007	.005	.91	.93	.91	.92	1,539	19,844	38,695	.000	.000	.000	.12	.15	.15
f. SEwellness	1,320	2.74	2.60	2.58	2.58	.026	.007	.007	.005	.94	.94	.91	.92	18,837	19,760	38,528	.000	.000	.000	.14	.17	.18
g. SEnonacad	1,319	2.01	1.91	1.88	1.90	.026	.007	.006	.005	.94	.91	.88	.89	18,820	19,729	38,484	.000	.000	.000	.11	.15	.13
h. SEactivities	1,318	2.51	2.38	2.38	2.38	.025	.007	.007	.005	.92	.93	.91	.92	18,805	19,716	38,434	.000	.000	.000	.14	.14	.14
i. SEevents	1,318	2.21	2.24	2.24	2.25	.025	.007	.007	.005	.92	.91	.89	.90	18,756	19,663	38,331	.141	.159	.104	-.04	-.04	-.05
15 a. tmprephrs	1,327	16.97	16.11	16.46	15.67	.268	.072	.071	.049	9.78	9.59	9.58	9.54	18,851	19,756	38,535	.002	.066	.000	.09	.05	.14
b. tmcocurrhrs	1,321	5.28	4.47	4.53	4.03	.192	.050	.048	.032	6.96	6.55	6.45	6.25	1,503	1,488	1,397	.000	.000	.000	.12	.12	.20
c. tmworkonhrs	1,328	2.53	2.56	2.35	2.28	.166	.045	.043	.030	6.07	5.98	5.81	5.72	18,807	19,723	1,412	.887	.270	.137	.00	.03	.04
d. tmworkoffhrs	1,319	6.11	7.86	7.07	8.60	.271	.078	.071	.056	9.85	10.32	9.66	10.67	1,546	19,615	1,431	.000	.001	.000	-.17	-.10	-.23
— tmworkhrs	1,317	8.61	10.29	9.30	10.76	.314	.089	.082	.061	11.38	11.70	11.01	11.62	1,535	19,523	1,416	.000	.030	.000	-.14	-.06	-.18
e. tmervicehrs	1,310	3.26	3.30	2.94	2.95	.147	.042	.037	.027	5.32	5.54	5.00	5.11	1,533	19,511	38,039	.764	.026	.031	-.01	.06	.06
f. tmrelaxhrs	1,311	12.98	12.68	12.73	12.51	.239	.065	.062	.044	8.66	8.57	8.33	8.38	18,684	1,489	38,204	.232	.324	.048	.03	.03	.06
g. tmcarehrs	1,312	3.07	3.24	2.56	3.23	.196	.055	.048	.039	7.11	7.25	6.53	7.55	18,635	1,476	1,419	.400	.013	.409	-.02	.08	-.02
h. tmcommutehrs	1,321	5.59	6.51	6.35	6.23	.135	.043	.039	.028	4.90	5.66	5.25	5.33	1,599	1,546	1,434	.000	.000	.000	-.16	-.14	-.12
16. reading	1,326	2.68	2.93	2.85	2.88	.034	.010	.010	.007	1.24	1.29	1.29	1.27	18,745	19,642	38,304	.000	.000	.000	-.20	-.14	-.16
— tmreadinghrs	1,319	7.30	7.86	7.70	7.47	.182	.052	.050	.035	6.60	6.87	6.78	6.66	1,543	19,539	38,099	.003	.038	.346	-.08	-.06	-.03
17 a. pgwrite	1,331	3.04	3.00	2.94	2.97	.025	.007	.007	.005	.89	.91	.93	.92	18,850	1,545	38,512	.122	.000	.004	.04	.11	.08
b. pgspeak	1,322	2.90	2.78	2.68	2.74	.026	.007	.007	.005	.94	.96	.96	.95	1,535	1,527	1,420	.000	.000	.000	.12	.23	.17
c. pgthink	1,327	3.38	3.29	3.27	3.27	.020	.006	.006	.004	.74	.79	.79	.79	1,561	1,551	38,362	.000	.000	.000	.11	.14	.14
d. pganalyze	1,323	2.81	2.65	2.70	2.65	.028	.008	.008	.005	1.03	1.05	1.03	1.04	1,540	19,661	1,420	.000	.000	.000	.15	.11	.16
e. pgwork	1,321	2.58	2.54	2.56	2.60	.028	.008	.008	.005	1.03	1.01	1.02	1.01	18,803	19,699	38,410	.138	.398	.517	.04	.02	-.02
f. pgothers	1,322	2.93	2.81	2.75	2.80	.025	.007	.007	.005	.91	.92	.92	.92	1,534	1,525	1,419	.000	.000	.000	.13	.19	.13
g. pgvalues	1,323	2.60	2.56	2.48	2.54	.028	.008	.007	.005	1.02	1.00	1.00	1.00	18,776	19,665	38,337	.203	.000	.031	.04	.11	.06
h. pgdiverse	1,325	2.65	2.60	2.50	2.54	.028	.008	.007	.005	1.01	1.00	1.00	1.00	18,786	19,666	38,363	.071	.000	.000	.05	.16	.11
i. pgprobsolve	1,328	2.66	2.58	2.58	2.59	.027	.007	.007	.005	.98	.97	.97	.96	18,798	19,675	38,360	.002	.001	.004	.09	.09	.08
j. pgcitizen	1,320	2.52	2.50	2.44	2.50	.027	.007	.007	.005	.98	.99	.97	.97	18,711	19,604	38,226	.450	.003	.315	.02	.08	.03
18. evalexp	1,325	3.22	3.03	3.01	3.03	.020	.006	.006	.004	.73	.79	.78	.77	1,563	1,548	1,431	.000	.000	.000	.24	.26	.24
19. sameinst	1,331	3.25	3.03	3.07	3.08	.021	.007	.006	.004	.77	.88	.85	.85	18,881	19,752	38,531	.000	.000	.000	.26	.22	.21

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."
- 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."

NSSE 2014
Engagement Indicators
McMaster University

Engagement Indicators: Overview

Engagement Indicators are summary measures based on sets of NSSE questions examining key dimensions of student engagement. The ten indicators are organized within four themes: Academic Challenge, Learning with Peers, Experiences with Faculty, and Campus Environment. The tables below compare average scores for your students with those in your comparison groups.

Use the following key:

- ▲ **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.
- No significant difference.
- ▼ **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.

First-Year Students

Theme	Engagement Indicator	Your first-year students	Your first-year students	Your first-year students
		compared with Ontario	compared with U15	compared with Canada 2014
Academic Challenge	Higher-Order Learning	△	△	△
	Reflective & Integrative Learning	△	△	△
	Learning Strategies	--	▽	▽
	Quantitative Reasoning	△	△	△
Learning with Peers	Collaborative Learning	△	△	△
	Discussions with Diverse Others	△	△	△
Experiences with Faculty	Student-Faculty Interaction	--	△	△
	Effective Teaching Practices	▽	--	▽
Campus Environment	Quality of Interactions	△	△	△
	Supportive Environment	--	△	△

Seniors

Theme	Engagement Indicator	Your seniors	Your seniors	Your seniors
		compared with Ontario	compared with U15	compared with Canada 2014
Academic Challenge	Higher-Order Learning	--	△	--
	Reflective & Integrative Learning	--	△	--
	Learning Strategies	--	--	▽
	Quantitative Reasoning	△	△	△
Learning with Peers	Collaborative Learning	△	△	△
	Discussions with Diverse Others	△	△	△
Experiences with Faculty	Student-Faculty Interaction	--	△	--
	Effective Teaching Practices	--	△	--
Campus Environment	Quality of Interactions	△	△	△
	Supportive Environment	△	△	△

Academic Challenge: First-year students

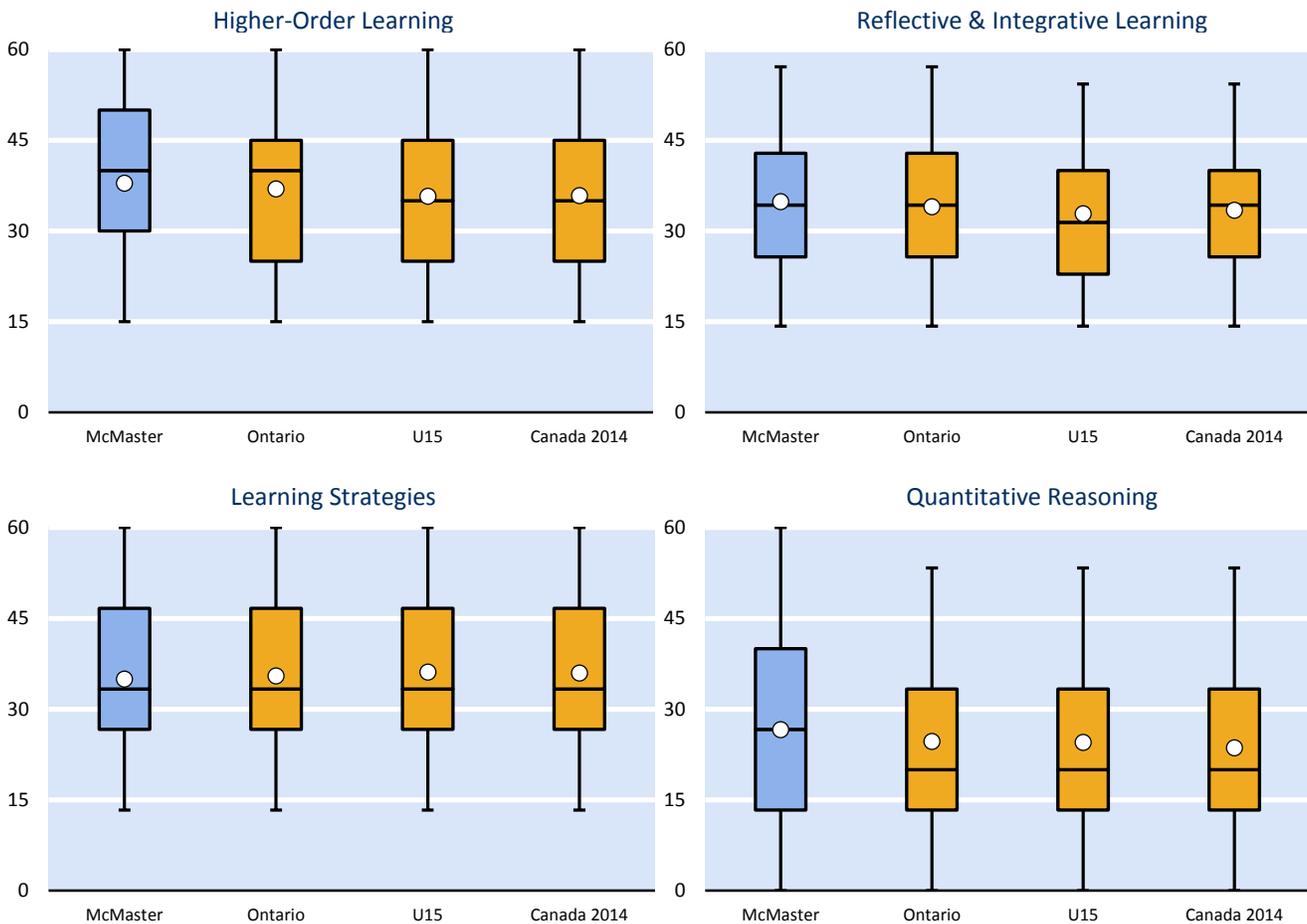
Challenging intellectual and creative work is central to student learning and collegiate quality. Colleges and universities promote student learning by challenging and supporting them to engage in various forms of deep learning. Four Engagement Indicators are part of this theme: *Higher-Order Learning*, *Reflective & Integrative Learning*, *Learning Strategies*, and *Quantitative Reasoning*. Below and on the next page are three views of your results alongside those of your comparison groups.

Mean Comparisons

Engagement Indicator	McMaster Mean	Your first-year students compared with					
		Ontario		U15		Canada 2014	
		Mean	Effect size	Mean	Effect size	Mean	Effect size
Higher-Order Learning	37.9	36.9 *	.07	35.8 ***	.16	35.8 ***	.15
Reflective & Integrative Learning	34.8	34.0 *	.07	32.8 ***	.17	33.4 ***	.11
Learning Strategies	35.0	35.5	-.04	36.1 **	-.08	36.0 **	-.07
Quantitative Reasoning	26.6	24.7 ***	.12	24.5 ***	.13	23.6 ***	.19

Notes: Results weighted by institution-reported sex and enrollment status (and institution size for comparison groups); *p<.05, **p<.01, ***p<.001 (2-tailed); Effect size: Mean difference divided by pooled standard deviation; Symbols on the Overview page are based on effect size and p before rounding.

Score Distributions



Notes: Each box-and-whiskers chart plots the 5th (bottom of lower bar), 25th (bottom of box), 50th (middle line), 75th (top of box), and 95th (top of upper bar) percentile scores. The dot represents the mean score. Refer to Detailed Statistics for your institution's sample sizes.

Academic Challenge: First-year students (continued)

Summary of Indicator Items

	McMaster	Ontario	U15	Canada 2014
Higher-Order Learning				
<i>Percentage responding "Very much" or "Quite a bit" about how much coursework emphasized...</i>				
	%	%	%	%
4b. Applying facts, theories, or methods to practical problems or new situations	78 	73 	73 	72 
4c. Analyzing an idea, experience, or line of reasoning in depth by examining its parts	71 	68 	67 	66 
4d. Evaluating a point of view, decision, or information source	62 	60 	54 	57 
4e. Forming a new idea or understanding from various pieces of information	60 	61 	58 	59 
Reflective & Integrative Learning				
<i>Percentage of students who responded that they "Very often" or "Often"...</i>				
2a. Combined ideas from different courses when completing assignments	59 	57 	56 	56 
2b. Connected your learning to societal problems or issues	54 	51 	48 	50 
2c. Included diverse perspectives (political, religious, racial/ethnic, gender, etc.) in course discussions or assignments	43 	41 	35 	38 
2d. Examined the strengths and weaknesses of your own views on a topic or issue	58 	55 	51 	53 
2e. Tried to better understand someone else's views by imagining how an issue looks from his or her perspective	60 	61 	58 	60 
2f. Learned something that changed the way you understand an issue or concept	66 	66 	65 	66 
2g. Connected ideas from your courses to your prior experiences and knowledge	78 	76 	76 	76 
Learning Strategies				
<i>Percentage of students who responded that they "Very often" or "Often"...</i>				
9a. Identified key information from reading assignments	74 	77 	76 	77 
9b. Reviewed your notes after class	47 	48 	51 	51 
9c. Summarized what you learned in class or from course materials	56 	56 	57 	57 
Quantitative Reasoning				
<i>Percentage of students who responded that they "Very often" or "Often"...</i>				
6a. Reached conclusions based on your own analysis of numerical information (numbers, graphs, statistics, etc.)	47 	45 	46 	43 
6b. Used numerical information to examine a real-world problem or issue (unemployment, climate change, public health, etc.)	36 	33 	31 	31 
6c. Evaluated what others have concluded from numerical information	38 	33 	32 	31 

Notes: Refer to your *Frequencies and Statistical Comparisons* report for full distributions and significance tests. Item numbering corresponds to the survey facsimile included in your *Institutional Report* and available on the NSSE Web site.

Academic Challenge: Seniors

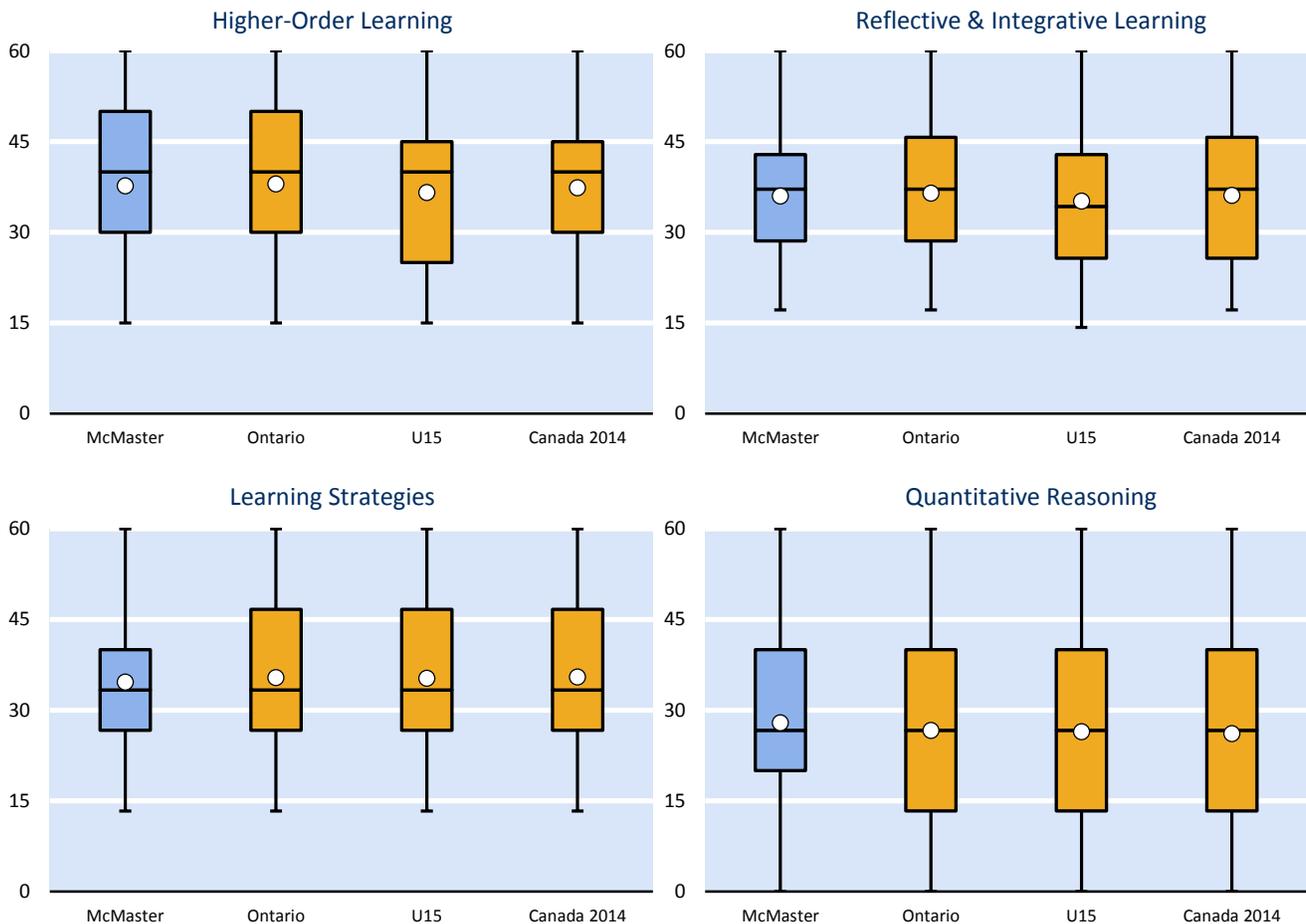
Challenging intellectual and creative work is central to student learning and collegiate quality. Colleges and universities promote student learning by challenging and supporting them to engage in various forms of deep learning. Four Engagement Indicators are part of this theme: *Higher-Order Learning*, *Reflective & Integrative Learning*, *Learning Strategies*, and *Quantitative Reasoning*. Below and on the next page are three views of your results alongside those of your comparison groups.

Mean Comparisons

Engagement Indicator	McMaster Mean	Your seniors compared with					
		Ontario Mean	Effect size	U15 Mean	Effect size	Canada 2014 Mean	Effect size
Higher-Order Learning	37.7	38.0	-.02	36.6 **	.08	37.4	.02
Reflective & Integrative Learning	36.0	36.5	-.03	35.1 *	.07	36.1	-.01
Learning Strategies	34.6	35.3	-.05	35.3	-.05	35.5 *	-.06
Quantitative Reasoning	27.9	26.6 **	.07	26.4 ***	.09	26.1 ***	.11

Notes: Results weighted by institution-reported sex and enrollment status (and institution size for comparison groups); *p<.05, **p<.01, ***p<.001 (2-tailed); Effect size: Mean difference divided by pooled standard deviation; Symbols on the Overview page are based on effect size and p before rounding.

Score Distributions



Notes: Each box-and-whiskers chart plots the 5th (bottom of lower bar), 25th (bottom of box), 50th (middle line), 75th (top of box), and 95th (top of upper bar) percentile scores. The dot represents the mean score. Refer to Detailed Statistics for your institution's sample sizes.

Academic Challenge: Seniors (continued)

Summary of Indicator Items

	McMaster	Ontario	U15	Canada 2014
Higher-Order Learning				
<i>Percentage responding "Very much" or "Quite a bit" about how much coursework emphasized...</i>				
	%	%	%	%
4b. Applying facts, theories, or methods to practical problems or new situations	74 	74 	73 	74 
4c. Analyzing an idea, experience, or line of reasoning in depth by examining its parts	68 	71 	69 	70 
4d. Evaluating a point of view, decision, or information source	64 	64 	60 	63 
4e. Forming a new idea or understanding from various pieces of information	63 	64 	61 	63 
Reflective & Integrative Learning				
<i>Percentage of students who responded that they "Very often" or "Often"...</i>				
2a. Combined ideas from different courses when completing assignments	67 	69 	67 	69 
2b. Connected your learning to societal problems or issues	57 	59 	55 	59 
2c. Included diverse perspectives (political, religious, racial/ethnic, gender, etc.) in course discussions or assignments	44 	47 	41 	44 
2d. Examined the strengths and weaknesses of your own views on a topic or issue	60 	59 	56 	58 
2e. Tried to better understand someone else's views by imagining how an issue looks from his or her perspective	64 	64 	61 	63 
2f. Learned something that changed the way you understand an issue or concept	70 	69 	67 	68 
2g. Connected ideas from your courses to your prior experiences and knowledge	79 	79 	78 	79 
Learning Strategies				
<i>Percentage of students who responded that they "Very often" or "Often"...</i>				
9a. Identified key information from reading assignments	77 	80 	78 	79 
9b. Reviewed your notes after class	41 	44 	45 	46 
9c. Summarized what you learned in class or from course materials	53 	55 	55 	55 
Quantitative Reasoning				
<i>Percentage of students who responded that they "Very often" or "Often"...</i>				
6a. Reached conclusions based on your own analysis of numerical information (numbers, graphs, statistics, etc.)	52 	48 	47 	46 
6b. Used numerical information to examine a real-world problem or issue (unemployment, climate change, public health, etc.)	37 	36 	35 	36 
6c. Evaluated what others have concluded from numerical information	42 	40 	40 	39 

Notes: Refer to your *Frequencies and Statistical Comparisons* report for full distributions and significance tests. Item numbering corresponds to the survey facsimile included in your *Institutional Report* and available on the NSSE Web site.

Learning with Peers: First-year students

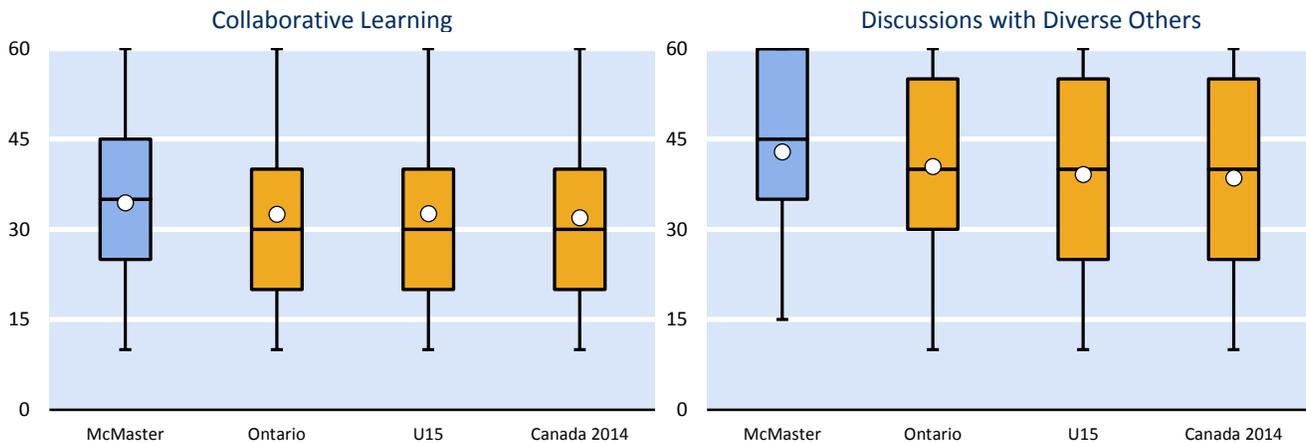
Collaborating with others in mastering difficult material and developing interpersonal and social competence prepare students to deal with complex, unscripted problems they will encounter during and after college. Two Engagement Indicators make up this theme: *Collaborative Learning* and *Discussions with Diverse Others*. Below are three views of your results alongside those of your comparison groups.

Mean Comparisons

Engagement Indicator	McMaster Mean	Your first-year students compared with					
		Ontario		U15		Canada 2014	
		Mean	Effect size	Mean	Effect size	Mean	Effect size
Collaborative Learning	34.3	32.5 ***	.13	32.6 ***	.12	31.9 ***	.17
Discussions with Diverse Others	42.8	40.4 ***	.15	39.1 ***	.23	38.5 ***	.26

Notes: Results weighted by institution-reported sex and enrollment status (and institution size for comparison groups); *p<.05, **p<.01, ***p<.001 (2-tailed); Effect size: Mean difference divided by pooled standard deviation; Symbols on the Overview page are based on effect size and p before rounding.

Score Distributions



Notes: Each box-and-whiskers chart plots the 5th (bottom of lower bar), 25th (bottom of box), 50th (middle line), 75th (top of box), and 95th (top of upper bar) percentile scores. The dot represents the mean score. Refer to Detailed Statistics for your institution's sample sizes.

Summary of Indicator Items

Collaborative Learning

Percentage of students who responded that they "Very often" or "Often"...

	McMaster	Ontario	U15	Canada 2014
1e. Asked another student to help you understand course material	56	51	52	49
1f. Explained course material to one or more students	63	59	57	56
1g. Prepared for exams by discussing or working through course material with other students	52	52	51	50
1h. Worked with other students on course projects or assignments	58	50	51	52

Discussions with Diverse Others

Percentage of students who responded that they "Very often" or "Often" had discussions with...

	McMaster	Ontario	U15	Canada 2014
8a. People from a race or ethnicity other than your own	81	75	71	70
8b. People from an economic background other than your own	74	70	67	66
8c. People with religious beliefs other than your own	75	70	66	64
8d. People with political views other than your own	67	63	62	61

Notes: Refer to your *Frequencies and Statistical Comparisons* report for full distributions and significance tests. Item numbering corresponds to the survey facsimile included in your *Institutional Report* and available on the NSSE Web site.

Learning with Peers: Seniors

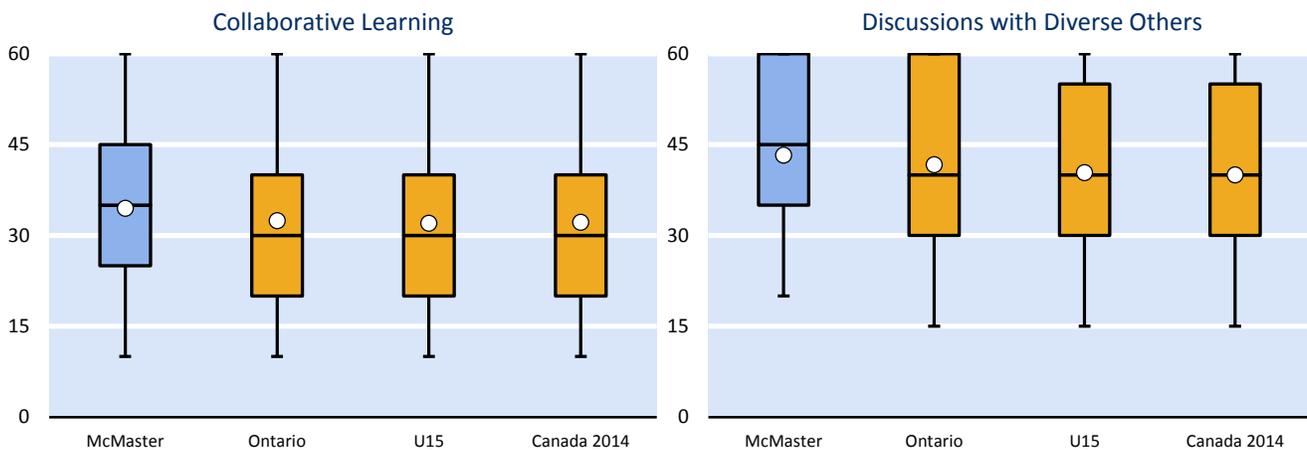
Collaborating with others in mastering difficult material and developing interpersonal and social competence prepare students to deal with complex, unscripted problems they will encounter during and after college. Two Engagement Indicators make up this theme: *Collaborative Learning* and *Discussions with Diverse Others*. Below are three views of your results alongside those of your comparison groups.

Mean Comparisons

Engagement Indicator	McMaster Mean	Your seniors compared with					
		Ontario		U15		Canada 2014	
		Mean	Effect size	Mean	Effect size	Mean	Effect size
Collaborative Learning	34.5	32.4 ***	.14	32.1 ***	.17	32.2 ***	.16
Discussions with Diverse Others	43.3	41.7 ***	.10	40.4 ***	.18	40.0 ***	.20

Notes: Results weighted by institution-reported sex and enrollment status (and institution size for comparison groups); *p<.05, **p<.01, ***p<.001 (2-tailed); Effect size: Mean difference divided by pooled standard deviation; Symbols on the Overview page are based on effect size and p before rounding.

Score Distributions



Notes: Each box-and-whiskers chart plots the 5th (bottom of lower bar), 25th (bottom of box), 50th (middle line), 75th (top of box), and 95th (top of upper bar) percentile scores. The dot represents the mean score. Refer to Detailed Statistics for your institution's sample sizes.

Summary of Indicator Items

Collaborative Learning

Percentage of students who responded that they "Very often" or "Often"...

	McMaster	Ontario	U15	Canada 2014
1e. Asked another student to help you understand course material	46	40	41	39
1f. Explained course material to one or more students	60	57	55	55
1g. Prepared for exams by discussing or working through course material with other students	53	47	46	47
1h. Worked with other students on course projects or assignments	69	63	62	64

Discussions with Diverse Others

Percentage of students who responded that they "Very often" or "Often" had discussions with...

	McMaster	Ontario	U15	Canada 2014
8a. People from a race or ethnicity other than your own	81	76	74	72
8b. People from an economic background other than your own	75	72	69	69
8c. People with religious beliefs other than your own	76	72	68	67
8d. People with political views other than your own	67	67	66	65

Notes: Refer to your *Frequencies and Statistical Comparisons* report for full distributions and significance tests. Item numbering corresponds to the survey facsimile included in your *Institutional Report* and available on the NSSE Web site.

Experiences with Faculty: First-year students

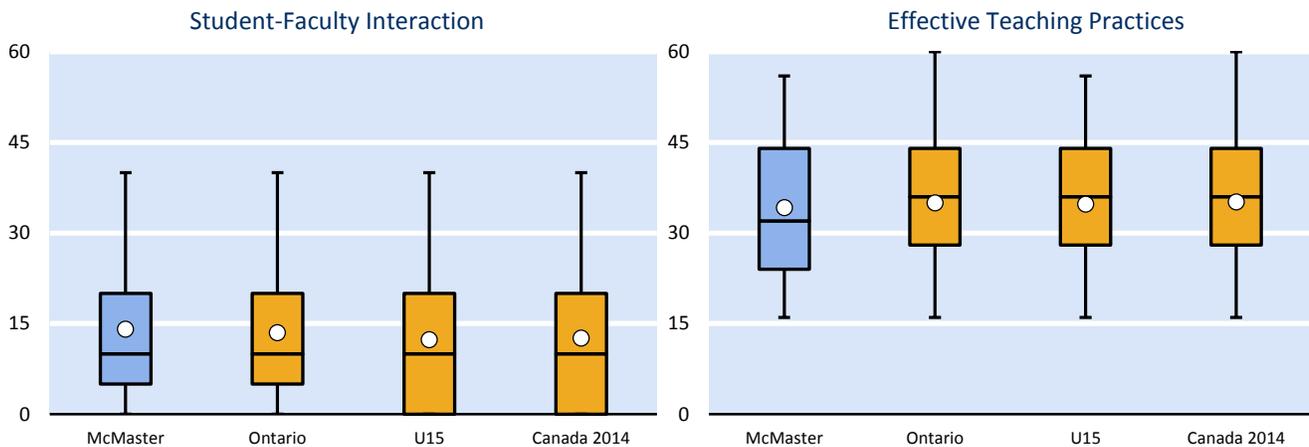
Students learn firsthand how experts think about and solve problems by interacting with faculty members inside and outside of instructional settings. As a result, faculty become role models, mentors, and guides for lifelong learning. In addition, effective teaching requires that faculty deliver course material and provide feedback in student-centered ways. Two Engagement Indicators investigate this theme: *Student-Faculty Interaction* and *Effective Teaching Practices*. Below are three views of your results alongside those of your comparison groups.

Mean Comparisons

Engagement Indicator	McMaster Mean	Your first-year students compared with					
		Ontario Mean	Effect size	U15 Mean	Effect size	Canada 2014 Mean	Effect size
Student-Faculty Interaction	14.1	13.5	.04	12.3 ***	.13	12.6 ***	.12
Effective Teaching Practices	34.2	35.0 *	-.06	34.8	-.05	35.1 **	-.08

Notes: Results weighted by institution-reported sex and enrollment status (and institution size for comparison groups); *p<.05, **p<.01, ***p<.001 (2-tailed); Effect size: Mean difference divided by pooled standard deviation; Symbols on the Overview page are based on effect size and p before rounding.

Score Distributions



Notes: Each box-and-whiskers chart plots the 5th (bottom of lower bar), 25th (bottom of box), 50th (middle line), 75th (top of box), and 95th (top of upper bar) percentile scores. The dot represents the mean score. Refer to Detailed Statistics for your institution's sample sizes.

Summary of Indicator Items

Student-Faculty Interaction

Percentage of students who responded that they "Very often" or "Often"...

	McMaster	Ontario	U15	Canada 2014
3a. Talked about career plans with a faculty member	18	17	16	16
3b. Worked w/faculty on activities other than coursework (committees, student groups, etc.)	11	11	10	10
3c. Discussed course topics, ideas, or concepts with a faculty member outside of class	19	19	17	17
3d. Discussed your academic performance with a faculty member	16	16	13	14

Effective Teaching Practices

Percentage responding "Very much" or "Quite a bit" about how much instructors have...

	McMaster	Ontario	U15	Canada 2014
5a. Clearly explained course goals and requirements	73	75	77	76
5b. Taught course sessions in an organized way	74	75	78	77
5c. Used examples or illustrations to explain difficult points	76	73	75	74
5d. Provided feedback on a draft or work in progress	35	41	39	42
5e. Provided prompt and detailed feedback on tests or completed assignments	41	45	42	45

Notes: Refer to your *Frequencies and Statistical Comparisons* report for full distributions and significance tests. Item numbering corresponds to the survey facsimile included in your *Institutional Report* and available on the NSSE Web site.

Experiences with Faculty: Seniors

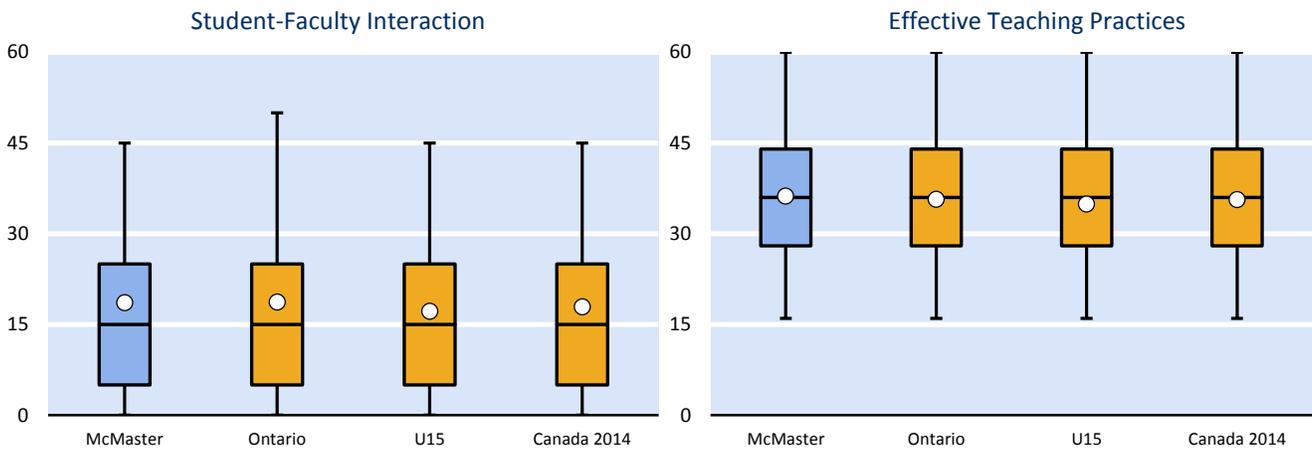
Students learn firsthand how experts think about and solve problems by interacting with faculty members inside and outside of instructional settings. As a result, faculty become role models, mentors, and guides for lifelong learning. In addition, effective teaching requires that faculty deliver course material and provide feedback in student-centered ways. Two Engagement Indicators investigate this theme: *Student-Faculty Interaction* and *Effective Teaching Practices*. Below are three views of your results alongside those of your comparison groups.

Mean Comparisons

Engagement Indicator	McMaster Mean	Your seniors compared with					
		Ontario Mean	Effect size	U15 Mean	Effect size	Canada 2014 Mean	Effect size
Student-Faculty Interaction	18.6	18.7	-.01	17.1 ***	.10	17.9	.05
Effective Teaching Practices	36.2	35.7	.04	34.9 ***	.10	35.6	.04

Notes: Results weighted by institution-reported sex and enrollment status (and institution size for comparison groups); *p<.05, **p<.01, ***p<.001 (2-tailed); Effect size: Mean difference divided by pooled standard deviation; Symbols on the Overview page are based on effect size and p before rounding.

Score Distributions



Notes: Each box-and-whiskers chart plots the 5th (bottom of lower bar), 25th (bottom of box), 50th (middle line), 75th (top of box), and 95th (top of upper bar) percentile scores. The dot represents the mean score. Refer to Detailed Statistics for your institution's sample sizes.

Summary of Indicator Items

Student-Faculty Interaction

Percentage of students who responded that they "Very often" or "Often"...

	McMaster	Ontario	U15	Canada 2014
3a. Talked about career plans with a faculty member	28	28	25	27
3b. Worked w/faculty on activities other than coursework (committees, student groups, etc.)	20	18	17	17
3c. Discussed course topics, ideas, or concepts with a faculty member outside of class	26	27	24	26
3d. Discussed your academic performance with a faculty member	20	22	18	20

Effective Teaching Practices

Percentage responding "Very much" or "Quite a bit" about how much instructors have...

	McMaster	Ontario	U15	Canada 2014
5a. Clearly explained course goals and requirements	78	76	77	77
5b. Taught course sessions in an organized way	77	76	76	76
5c. Used examples or illustrations to explain difficult points	74	73	75	74
5d. Provided feedback on a draft or work in progress	43	44	39	43
5e. Provided prompt and detailed feedback on tests or completed assignments	52	51	47	51

Notes: Refer to your *Frequencies and Statistical Comparisons* report for full distributions and significance tests. Item numbering corresponds to the survey facsimile included in your *Institutional Report* and available on the NSSE Web site.

Campus Environment: First-year students

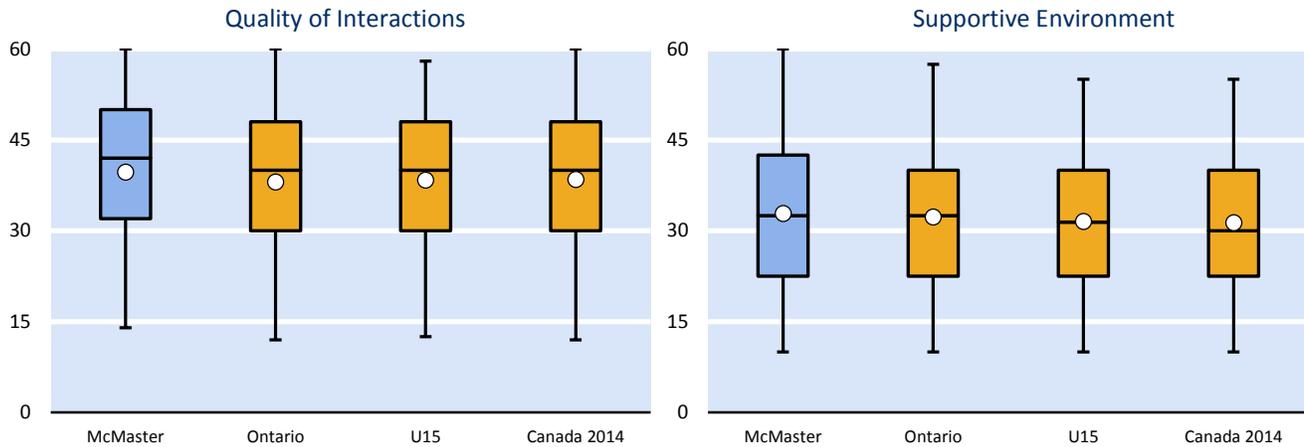
Students benefit and are more satisfied in supportive settings that cultivate positive relationships among students, faculty, and staff. Two Engagement Indicators investigate this theme: *Quality of Interactions* and *Supportive Environment*. Below are three views of your results alongside those of your comparison groups.

Mean Comparisons

Engagement Indicator	McMaster Mean	Your first-year students compared with					
		Ontario		U15		Canada 2014	
		Mean	Effect size	Mean	Effect size	Mean	Effect size
Quality of Interactions	39.7	38.0 ***	.12	38.4 **	.10	38.4 **	.09
Supportive Environment	32.8	32.3	.04	31.5 **	.10	31.3 ***	.11

Notes: Results weighted by institution-reported sex and enrollment status (and institution size for comparison groups); *p<.05, **p<.01, ***p<.001 (2-tailed); Effect size: Mean difference divided by pooled standard deviation; Symbols on the Overview page are based on effect size and p before rounding.

Score Distributions



Notes: Each box-and-whiskers chart plots the 5th (bottom of lower bar), 25th (bottom of box), 50th (middle line), 75th (top of box), and 95th (top of upper bar) percentile scores. The dot represents the mean score. Refer to Detailed Statistics for your institution's sample sizes.

Summary of Indicator Items

Quality of Interactions

Percentage rating a 6 or 7 on a scale from 1="Poor" to 7="Excellent" their interactions with...

	McMaster	Ontario	U15	Canada 2014
13a. Students	65	58	59	58
13b. Academic advisors	44	35	36	36
13c. Faculty	40	37	37	40
13d. Student services staff (career services, student activities, housing, etc.)	39	37	38	38
13e. Other administrative staff and offices (registrar, financial aid, etc.)	38	36	36	37

Supportive Environment

Percentage responding "Very much" or "Quite a bit" about how much the institution emphasized...

	McMaster	Ontario	U15	Canada 2014
14b. Providing support to help students succeed academically	72	70	69	69
14c. Using learning support services (tutoring services, writing center, etc.)	65	68	64	64
14d. Encouraging contact among students from diff. backgrounds (soc., racial/eth., relig., etc.)	49	48	45	45
14e. Providing opportunities to be involved socially	65	62	61	60
14f. Providing support for your overall well-being (recreation, health care, counseling, etc.)	66	62	62	60
14g. Helping you manage your non-academic responsibilities (work, family, etc.)	37	35	33	33
14h. Attending campus activities and events (performing arts, athletic events, etc.)	55	53	54	53
14i. Attending events that address important social, economic, or political issues	39	42	43	42

Notes: Refer to your *Frequencies and Statistical Comparisons* report for full distributions and significance tests. Item numbering corresponds to the survey facsimile included in your *Institutional Report* and available on the NSSE Web site.

Campus Environment: Seniors

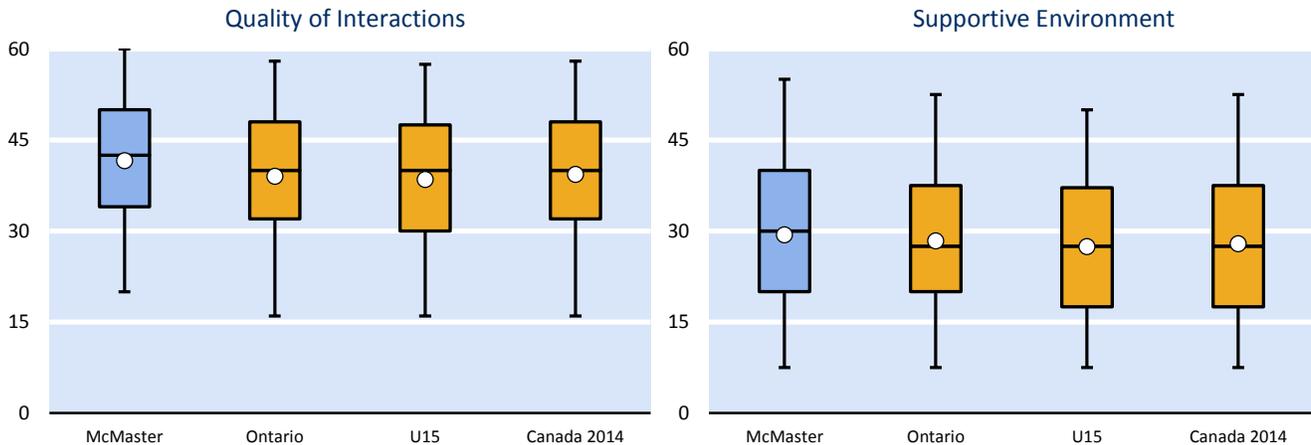
Students benefit and are more satisfied in supportive settings that cultivate positive relationships among students, faculty, and staff. Two Engagement Indicators investigate this theme: *Quality of Interactions* and *Supportive Environment*. Below are three views of your results alongside those of your comparison groups.

Mean Comparisons

Engagement Indicator	McMaster Mean	Your seniors compared with					
		Ontario		U15		Canada 2014	
		Mean	Effect size	Mean	Effect size	Mean	Effect size
Quality of Interactions	41.6	39.0 ***	.21	38.5 ***	.25	39.3 ***	.19
Supportive Environment	29.4	28.4 *	.07	27.4 ***	.15	27.9 ***	.11

Notes: Results weighted by institution-reported sex and enrollment status (and institution size for comparison groups); *p<.05, **p<.01, ***p<.001 (2-tailed); Effect size: Mean difference divided by pooled standard deviation; Symbols on the Overview page are based on effect size and p before rounding.

Score Distributions



Notes: Each box-and-whiskers chart plots the 5th (bottom of lower bar), 25th (bottom of box), 50th (middle line), 75th (top of box), and 95th (top of upper bar) percentile scores. The dot represents the mean score. Refer to Detailed Statistics for your institution's sample sizes.

Summary of Indicator Items

Quality of Interactions

Percentage rating a 6 or 7 on a scale from 1="Poor" to 7="Excellent" their interactions with...

	McMaster	Ontario	U15	Canada 2014
13a. Students	69	62	60	62
13b. Academic advisors	43	36	34	36
13c. Faculty	50	46	44	48
13d. Student services staff (career services, student activities, housing, etc.)	39	34	33	35
13e. Other administrative staff and offices (registrar, financial aid, etc.)	40	33	32	35

Supportive Environment

Percentage responding "Very much" or "Quite a bit" about how much the institution emphasized...

	McMaster	Ontario	U15	Canada 2014
14b. Providing support to help students succeed academically	61	58	55	58
14c. Using learning support services (tutoring services, writing center, etc.)	48	55	49	52
14d. Encouraging contact among students from diff. backgrounds (soc., racial/eth., relig., etc.)	42	41	37	39
14e. Providing opportunities to be involved socially	62	56	55	55
14f. Providing support for your overall well-being (recreation, health care, counseling, etc.)	61	55	54	54
14g. Helping you manage your non-academic responsibilities (work, family, etc.)	29	25	23	24
14h. Attending campus activities and events (performing arts, athletic events, etc.)	49	44	44	44
14i. Attending events that address important social, economic, or political issues	36	37	37	37

Notes: Refer to your *Frequencies and Statistical Comparisons* report for full distributions and significance tests. Item numbering corresponds to the survey facsimile included in your *Institutional Report* and available on the NSSE Web site.

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Comparisons with Top 50% and Top 10% Institutions

The results below compare the engagement of your first-year and senior students with those attending two groups of institutions identified by NSSE^a for their high average levels of student engagement:

- (a) institutions with average scores placing them in the top 50% of all 2013 and 2014 NSSE institutions, and
- (b) institutions with average scores placing them in the top 10% of all 2013 and 2014 NSSE institutions.

While the average scores for most institutions are below the mean for the top 50% or top 10%, your institution may show areas of distinction where your average student was as engaged as (or even more engaged than) the typical student at high-performing institutions. A check mark (✓) signifies those comparisons where your average score was at least comparable^b to that of the high-performing group. However, the absence of a significant difference between your score and that of the high-performing group does not mean that your institution was a member of that group.

It should be noted that most of the variability in student engagement is within, not between, institutions. Even "high-performing" institutions have students with engagement levels below the average for all institutions.

First-Year Students		McMaster	Your first-year students compared with					
<i>Theme</i>	<i>Engagement Indicator</i>		NSSE Top 50%			NSSE Top 10%		
			<i>Mean</i>	<i>Effect size</i>	✓	<i>Mean</i>	<i>Effect size</i>	✓
<i>Academic Challenge</i>	Higher-Order Learning	37.9	40.6 ***	-.20		42.7 ***	-.35	
	Reflective and Integrative Learning	34.8	37.3 ***	-.20		39.3 ***	-.35	
	Learning Strategies	35.0	41.2 ***	-.45		43.4 ***	-.60	
	Quantitative Reasoning	26.6	28.8 ***	-.13		30.6 ***	-.25	
<i>Learning with Peers</i>	Collaborative Learning	34.3	34.7	-.03	✓	37.0 ***	-.20	
	Discussions with Diverse Others	42.8	43.2	-.03	✓	45.6 ***	-.19	
<i>Experiences with Faculty</i>	Student-Faculty Interaction	14.1	23.3 ***	-.62		26.9 ***	-.81	
	Effective Teaching Practices	34.2	42.4 ***	-.62		44.6 ***	-.79	
<i>Campus Environment</i>	Quality of Interactions	39.7	44.0 ***	-.38		46.0 ***	-.54	
	Supportive Environment	32.8	39.4 ***	-.49		41.4 ***	-.66	
Seniors		McMaster	Your seniors compared with					
<i>Theme</i>	<i>Engagement Indicator</i>		NSSE Top 50%			NSSE Top 10%		
			<i>Mean</i>	<i>Effect size</i>	✓	<i>Mean</i>	<i>Effect size</i>	✓
<i>Academic Challenge</i>	Higher-Order Learning	37.7	43.3 ***	-.41		45.3 ***	-.56	
	Reflective and Integrative Learning	36.0	41.1 ***	-.40		43.1 ***	-.56	
	Learning Strategies	34.6	42.5 ***	-.54		44.9 ***	-.73	
	Quantitative Reasoning	27.9	31.3 ***	-.20		33.0 ***	-.30	
<i>Learning with Peers</i>	Collaborative Learning	34.5	35.4 *	-.06		37.7 ***	-.24	
	Discussions with Diverse Others	43.3	43.9	-.04	✓	45.8 ***	-.17	
<i>Experiences with Faculty</i>	Student-Faculty Interaction	18.6	29.5 ***	-.68		34.4 ***	-.98	
	Effective Teaching Practices	36.2	43.0 ***	-.50		45.1 ***	-.67	
<i>Campus Environment</i>	Quality of Interactions	41.6	45.3 ***	-.33		47.4 ***	-.50	
	Supportive Environment	29.4	36.1 ***	-.49		39.0 ***	-.72	

Note: Results weighted by institution-reported sex and enrollment status (and institution size for comparison groups); *p<.05, **p<.01, ***p<.001 (2-tailed); Effect size: Mean difference divided by the pooled standard deviation.

a. Precision-weighted means (produced by Hierarchical Linear Modeling) were used to determine the top 50% and top 10% institutions for each Engagement Indicator from all NSSE 2013 and 2014 institutions, separately for first-year and senior students. Using this method, Engagement Indicator scores of institutions with relatively large standard errors were adjusted toward the mean of all students, while those with smaller standard errors received smaller corrections. As a result, schools with less stable data—even those with high average scores—may not be among the top scorers. NSSE does not publish the names of the top 50% and top 10% institutions because of our commitment not to release institutional results and our policy against ranking institutions.

b. Check marks are assigned to comparisons that are either significant and positive, or non-significant with an effect size > -.10.

Detailed Statistics: First-Year Students

	Mean statistics			Percentile ^d scores					Comparison results			
	Mean	SD ^b	SEM ^c	5th	25th	50th	75th	95th	Deg. of freedom ^e	Mean diff.	Sig. ^f	Effect size ^g
Academic Challenge												
Higher-Order Learning												
McMaster (N = 1377)	37.9	13.9	.37	15	30	40	50	60				
Ontario	36.9	13.8	.09	15	25	40	45	60	22,964	1.0	.012	.069
U15	35.8	13.6	.10	15	25	35	45	60	21,483	2.1	.000	.157
Canada 2014	35.8	13.6	.06	15	25	35	45	60	47,514	2.0	.000	.150
Top 50%	40.6	13.6	.04	20	30	40	50	60	1,406	-2.7	.000	-.198
Top 10%	42.7	13.6	.09	20	35	40	55	60	23,975	-4.8	.000	-.352
Reflective & Integrative Learning												
McMaster (N = 1445)	34.8	12.8	.34	14	26	34	43	57				
Ontario	34.0	12.3	.08	14	26	34	43	57	1,620	.8	.017	.067
U15	32.8	12.1	.08	14	23	31	40	54	1,627	2.0	.000	.166
Canada 2014	33.4	12.2	.06	14	26	34	40	54	1,524	1.4	.000	.114
Top 50%	37.3	12.5	.04	17	29	37	46	60	124,512	-2.5	.000	-.198
Top 10%	39.3	12.6	.08	20	31	40	49	60	27,789	-4.4	.000	-.353
Learning Strategies												
McMaster (N = 1324)	35.0	14.3	.39	13	27	33	47	60				
Ontario	35.5	14.0	.10	13	27	33	47	60	21,890	-.6	.164	-.039
U15	36.1	14.0	.10	13	27	33	47	60	20,349	-1.2	.004	-.083
Canada 2014	36.0	14.1	.07	13	27	33	47	60	44,888	-1.0	.009	-.073
Top 50%	41.2	14.0	.04	20	33	40	53	60	109,299	-6.3	.000	-.446
Top 10%	43.4	14.0	.09	20	33	40	60	60	24,195	-8.5	.000	-.602
Quantitative Reasoning												
McMaster (N = 1420)	26.6	16.4	.43	0	13	27	40	60				
Ontario	24.7	16.2	.11	0	13	20	33	53	23,523	2.0	.000	.121
U15	24.5	15.7	.11	0	13	20	33	53	21,852	2.1	.000	.132
Canada 2014	23.6	16.0	.07	0	13	20	33	53	48,453	3.0	.000	.186
Top 50%	28.8	16.3	.04	0	20	27	40	60	158,789	-2.2	.000	-.133
Top 10%	30.6	16.2	.09	0	20	27	40	60	37,300	-4.0	.000	-.247
Learning with Peers												
Collaborative Learning												
McMaster (N = 1461)	34.3	14.6	.38	10	25	35	45	60				
Ontario	32.5	14.4	.10	10	20	30	40	60	24,117	1.9	.000	.130
U15	32.6	14.3	.10	10	20	30	40	60	22,665	1.8	.000	.123
Canada 2014	31.9	14.3	.06	10	20	30	40	60	50,172	2.4	.000	.171
Top 50%	34.7	13.7	.04	15	25	35	45	60	1,486	-.3	.368	-.025
Top 10%	37.0	13.6	.07	15	25	35	45	60	1,572	-2.7	.000	-.196
Discussions with Diverse Others												
McMaster (N = 1337)	42.8	15.5	.42	15	35	45	60	60				
Ontario	40.4	16.4	.11	10	30	40	55	60	1,536	2.4	.000	.148
U15	39.1	16.5	.12	10	25	40	55	60	1,557	3.7	.000	.227
Canada 2014	38.5	16.7	.08	10	25	40	55	60	1,432	4.3	.000	.260
Top 50%	43.2	15.4	.04	20	35	45	60	60	136,048	-.4	.362	-.025
Top 10%	45.6	14.8	.09	20	40	50	60	60	29,771	-2.8	.000	-.187

Detailed Statistics: First-Year Students

	Mean statistics			Percentile ^d scores					Comparison results			
	Mean	SD ^b	SEM ^c	5th	25th	50th	75th	95th	Deg. of freedom ^e	Mean diff.	Sig. ^f	Effect size ^g
Experiences with Faculty												
Student-Faculty Interaction												
McMaster (N = 1412)	14.1	13.7	.36	0	5	10	20	40				
Ontario	13.5	13.5	.09	0	5	10	20	40	23,523	.6	.137	.041
U15	12.3	12.9	.09	0	0	10	20	40	1,589	1.7	.000	.134
Canada 2014	12.6	12.8	.06	0	0	10	20	40	1,486	1.5	.000	.115
Top 50%	23.3	15.0	.05	0	10	20	30	55	1,464	-9.3	.000	-.620
Top 10%	26.9	16.2	.13	5	15	25	40	60	1,815	-12.9	.000	-.806
Effective Teaching Practices												
McMaster (N = 1436)	34.2	12.6	.33	16	24	32	44	56				
Ontario	35.0	12.7	.08	16	28	36	44	60	23,777	-.8	.020	-.063
U15	34.8	12.1	.08	16	28	36	44	56	1,623	-.6	.102	-.046
Canada 2014	35.1	12.4	.06	16	28	36	44	60	49,024	-.9	.005	-.075
Top 50%	42.4	13.2	.04	20	32	44	52	60	1,481	-8.2	.000	-.619
Top 10%	44.6	13.3	.09	20	36	44	56	60	1,677	-10.4	.000	-.786
Campus Environment												
Quality of Interactions												
McMaster (N = 1116)	39.7	13.0	.39	14	32	42	50	60				
Ontario	38.0	13.6	.10	12	30	40	48	60	1,273	1.7	.000	.122
U15	38.4	13.2	.11	13	30	40	48	58	16,408	1.3	.002	.097
Canada 2014	38.4	13.5	.07	12	30	40	48	60	1,192	1.2	.002	.091
Top 50%	44.0	11.4	.04	22	38	46	52	60	1,138	-4.3	.000	-.377
Top 10%	46.0	11.6	.09	24	40	48	55	60	1,233	-6.4	.000	-.544
Supportive Environment												
McMaster (N = 1233)	32.8	13.9	.40	10	23	33	43	60				
Ontario	32.3	13.7	.10	10	23	33	40	58	20,875	.6	.163	.041
U15	31.5	13.2	.10	10	23	31	40	55	1,388	1.3	.001	.098
Canada 2014	31.3	13.5	.07	10	23	30	40	55	42,438	1.5	.000	.113
Top 50%	39.4	13.2	.04	18	30	40	50	60	1,257	-6.5	.000	-.495
Top 10%	41.4	12.8	.08	20	33	40	53	60	1,342	-8.5	.000	-.661

a. Results weighted by institution-reported sex and enrollment status (and institutional size for comparison groups).

b. Standard deviation is a measure of the amount the individual scores deviate from the mean of all the scores in the distribution.

c. Standard error of the mean, used to compute a confidence interval (CI) around the sample mean. For example, the 95% CI is the range of values that is 95% likely to contain the true population mean, equal to the sample mean $\pm 1.96 * SEM$.

d. A percentile is the point in the distribution of student-level EI scores at or below which a given percentage of EI scores fall.

e. Degrees of freedom used to compute the t-tests. Values vary from the total Ns due to weighting and whether equal variances were assumed.

f. Statistical significance represents the probability that the difference between the mean of your institution and that of the comparison group occurred by chance.

g. Effect size is the mean difference divided by the pooled standard deviation.

Detailed Statistics: Seniors

	Mean statistics			Percentile ^d scores					Comparison results			
	Mean	SD ^b	SEM ^c	5th	25th	50th	75th	95th	Deg. of freedom ^e	Mean diff.	Sig. ^f	Effect size ^g
Academic Challenge												
Higher-Order Learning												
McMaster (N = 1439)	37.7	14.3	.38	15	30	40	50	60				
Ontario	38.0	13.9	.10	15	30	40	50	60	20,125	-.3	.408	-.023
U15	36.6	13.9	.10	15	25	40	45	60	21,249	1.1	.004	.078
Canada 2014	37.4	13.8	.07	15	30	40	45	60	41,536	.3	.385	.023
Top 50%	43.3	13.7	.04	20	35	40	55	60	130,617	-5.6	.000	-.407
Top 10%	45.3	13.6	.08	20	40	45	60	60	33,191	-7.6	.000	-.557
Reflective & Integrative Learning												
McMaster (N = 1510)	36.0	12.6	.32	17	29	37	43	60				
Ontario	36.5	12.9	.09	17	29	37	46	60	20,854	-.4	.197	-.035
U15	35.1	12.9	.09	14	26	34	43	60	22,026	.9	.011	.068
Canada 2014	36.1	12.8	.06	17	26	37	46	60	43,077	-.1	.777	-.007
Top 50%	41.1	12.6	.04	20	31	40	51	60	128,044	-5.0	.000	-.399
Top 10%	43.1	12.5	.08	20	34	43	54	60	29,251	-7.0	.000	-.563
Learning Strategies												
McMaster (N = 1378)	34.6	14.0	.38	13	27	33	40	60				
Ontario	35.3	14.3	.11	13	27	33	47	60	1,606	-.7	.060	-.051
U15	35.3	14.3	.10	13	27	33	47	60	1,593	-.7	.092	-.046
Canada 2014	35.5	14.4	.07	13	27	33	47	60	1,484	-.8	.029	-.058
Top 50%	42.5	14.5	.04	20	33	40	60	60	1,403	-7.9	.000	-.542
Top 10%	44.9	14.1	.07	20	33	47	60	60	1,475	-10.3	.000	-.726
Quantitative Reasoning												
McMaster (N = 1476)	27.9	16.8	.44	0	20	27	40	60				
Ontario	26.6	17.0	.12	0	13	27	40	60	20,510	1.3	.006	.074
U15	26.4	16.7	.12	0	13	27	40	60	21,636	1.5	.001	.089
Canada 2014	26.1	16.8	.08	0	13	27	40	60	42,286	1.8	.000	.106
Top 50%	31.3	17.2	.04	0	20	33	40	60	1,497	-3.4	.000	-.199
Top 10%	33.0	16.9	.08	0	20	33	47	60	51,555	-5.1	.000	-.303
Learning with Peers												
Collaborative Learning												
McMaster (N = 1524)	34.5	14.5	.37	10	25	35	45	60				
Ontario	32.4	14.3	.10	10	20	30	40	60	21,018	2.1	.000	.145
U15	32.1	14.4	.10	10	20	30	40	60	22,294	2.5	.000	.171
Canada 2014	32.2	14.3	.07	10	20	30	40	60	43,490	2.3	.000	.163
Top 50%	35.4	13.8	.03	15	25	35	45	60	1,548	-.9	.019	-.064
Top 10%	37.7	13.6	.07	15	30	40	50	60	1,647	-3.2	.000	-.236
Discussions with Diverse Others												
McMaster (N = 1389)	43.3	15.7	.42	20	35	45	60	60				
Ontario	41.7	15.9	.12	15	30	40	60	60	19,534	1.6	.000	.100
U15	40.4	15.9	.11	15	30	40	55	60	20,522	2.9	.000	.181
Canada 2014	40.0	16.2	.08	15	30	40	55	60	40,131	3.3	.000	.202
Top 50%	43.9	15.8	.04	20	35	45	60	60	194,936	-.7	.113	-.043
Top 10%	45.8	15.4	.07	20	40	50	60	60	51,713	-2.6	.000	-.167

Detailed Statistics: Seniors

	Mean statistics			Percentile ^d scores					Comparison results			
	Mean	SD ^b	SEM ^c	5th	25th	50th	75th	95th	Deg. of freedom ^e	Mean diff.	Sig. ^f	Effect size ^g
Experiences with Faculty												
Student-Faculty Interaction												
McMaster (N = 1478)	18.6	14.5	.38	0	5	15	25	45				
Ontario	18.7	14.8	.11	0	5	15	25	50	20,479	-.1	.791	-.007
U15	17.1	14.2	.10	0	5	15	25	45	21,611	1.5	.000	.103
Canada 2014	17.9	14.6	.07	0	5	15	25	45	42,288	.7	.061	.050
Top 50%	29.5	16.1	.06	5	20	30	40	60	1,545	-10.9	.000	-.680
Top 10%	34.4	16.4	.16	10	20	35	45	60	2,022	-15.8	.000	-.978
Effective Teaching Practices												
McMaster (N = 1490)	36.2	12.5	.33	16	28	36	44	60				
Ontario	35.7	13.0	.09	16	28	36	44	60	20,715	.5	.162	.038
U15	34.9	12.5	.09	16	28	36	44	60	21,838	1.3	.000	.104
Canada 2014	35.6	12.8	.06	16	28	36	44	60	42,680	.5	.106	.043
Top 50%	43.0	13.6	.04	20	36	44	56	60	1,533	-6.9	.000	-.505
Top 10%	45.1	13.4	.09	20	36	48	60	60	1,749	-8.9	.000	-.669
Campus Environment												
Quality of Interactions												
McMaster (N = 1292)	41.6	11.3	.31	20	34	43	50	60				
Ontario	39.0	12.3	.10	16	32	40	48	58	1,541	2.6	.000	.209
U15	38.5	12.2	.09	16	30	40	48	58	1,534	3.1	.000	.252
Canada 2014	39.3	12.2	.07	16	32	40	48	58	1,408	2.3	.000	.186
Top 50%	45.3	11.3	.04	24	38	48	54	60	105,251	-3.7	.000	-.326
Top 10%	47.4	11.6	.07	24	40	50	58	60	29,089	-5.8	.000	-.498
Supportive Environment												
McMaster (N = 1322)	29.4	13.9	.38	8	20	30	40	55				
Ontario	28.4	13.7	.10	8	20	28	38	53	18,850	1.0	.014	.070
U15	27.4	13.1	.10	8	18	28	37	50	1,496	1.9	.000	.147
Canada 2014	27.9	13.4	.07	8	18	28	38	53	1,409	1.4	.000	.108
Top 50%	36.1	13.8	.04	13	28	38	45	60	124,339	-6.7	.000	-.488
Top 10%	39.0	13.3	.09	17	30	40	50	60	1,482	-9.6	.000	-.719

a. Results weighted by institution-reported sex and enrollment status (and institutional size for comparison groups).

b. Standard deviation is a measure of the amount the individual scores deviate from the mean of all the scores in the distribution.

c. Standard error of the mean, used to compute a confidence interval (CI) around the sample mean. For example, the 95% CI is the range of values that is 95% likely to contain the true population mean, equal to the sample mean $\pm 1.96 * SEM$.

d. A percentile is the point in the distribution of student-level EI scores at or below which a given percentage of EI scores fall.

e. Degrees of freedom used to compute the t-tests. Values vary from the total Ns due to weighting and whether equal variances were assumed.

f. Statistical significance represents the probability that the difference between the mean of your institution and that of the comparison group occurred by chance.

g. Effect size is the mean difference divided by the pooled standard deviation.