NSSE national survey of student engagement

31th Annual Conference on the First-Year Experience

February, 2012

Using BCSSE and NSSE data to investigate first-year student financial stress and engagement

Presented by:

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BCSSE Project Manager

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NSSE Project Associate

Overview

Today we will cover:

- Brief description of the *Beginning College Survey of Student Engagement* (BCSSE) and the *National Survey of Student Engagement* (NSSE)
  - Purpose, survey content, administration, reports
- Describe an example of using BCSSE-NSSE data to examine student financial stress and their engagement.

Purpose

Purpose of BCSSE is to measure entering first-year students' pre-college academic and co-curricular experiences, as well as their expectations and attitudes for participating in educationally purposeful activities during the first college year.

Survey Content

There are 3 sections to the BCSSE survey

1) First section asks students about their high school experiences (Q's 1 – 12)
2) Second section asks students about their expectations and beliefs regarding their first-year of college (Q's 13 – 18 & 21 – 23)
3) The last section asks students about background characteristics (Q 19, 20, 24 - 32)

Administration

Paper, Web, or Mixed Modes

1. Paper group administration
   - Orientation, Welcome Week, etc.
2. Web group administration
   - While students are in computer lab, etc.
3. Web email administration
   - Web link emailed to students

Reports

Four reports are provided:

1. BCSSE Report (Summer/Fall 2012)
2. BCSSE Advising (Summer/Fall 2012)
3. Grand Frequencies and Means (Fall 2012)
    a) Overall
    b) Institution types
4. BCSSE/NSSE report (Summer 2013)

Reports

BCSSE Report

BCSSE beginning college survey of student engagement

BCSSE 2010 Frequency Distributions

BCSSE Frequencies and Means

	Variable	Scale	Response Options	All Students		Gender				First Generation[1]			
						Female		Male		Yes		No	
				Count	%	Count	%	Count	%	Count	%	Count	%
8. During your last year of high school, about how many hours did you spend in a typical 7-day week doing each of the following?													
a. Preparing for class (studying, doing homework, rehearsing, etc.)	hacadpr	HSE	0 hours per week	30	2	9	1	20	4	12	2	15	2
			1-5 hours per week	559	37	322	35	234	41	245	41	275	34
			6-10 hours per week	422	28	261	28	159	28	169	28	228	28
			11-15 hours per week	239	16	154	17	84	15	90	15	136	17
			16-20 hours per week	134	9	93	10	41	7	49	8	77	10
			21-25 hours per week	63	4	45	5	18	3	21	3	39	5
			26-30 hours per week	30	2	23	3	7	1	9	2	19	2
			More than 30 hours per week	31	2	20	2	11	1	11	1	18	2
			Total	1,509	100	927	100	572	100	594	100	807	100

Reports

BCSSE Report

BCSSE
beginning college survey of student engagement

BCSSE 2010 Frequency Distributions

BCSSE Frequencies and Means

				All Students		Gender: Female		Gender: Male		First Generation[1]: Yes		First Generation[1]: No	
	Variable	Scale	Response Options	Count	%	Count	%	Count	%	Count	%	Count	%
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Survey Content

BCSSE Scales	
High School Academic Engagement	Engagement in educationally relevant behaviors during the last year of high school.
Expected Academic Engagement	Expected engagement in educationally relevant behaviors during the first year of college.
Expected Academic Perseverance	Student certainty that they will persist in the face of academic adversity.
Expected Academic Difficulty	Expected academic difficulty during the first year of college.
Perceived Academic Preparation	Student perception of their academic preparation.
Importance of Campus Environment	Student-rated importance that the institution provides a challenging and supportive environment.

Reports

BCSSE Report

BCSSE
beginning college survey of student engagement

BCSSE 2010 Mean Scale Scores and Selected Student Comparisons

BCSSE Frequencies and Means

BCSSE Scales[a]	Variable	All Students Mean	All Students SD	All Students N	Gender Comparisons: Means Female	Gender Comparisons: Means Male	Gender Comparisons: Tests of mean differences Sig [b]	Gender Comparisons: Tests of mean differences Effect size [c]	First-Generation[d] Comparisons: Means FG	First-Generation[d] Comparisons: Means Non-FG	First-Generation[d] Comparisons: Tests of mean differences Sig [b]	First-Generation[d] Comparisons: Tests of mean differences Effect size [c]
High School Academic Engagement (HSE) *Engagement in educationally relevant behaviors during the last year of high school.*	HS_acad	5.38	1.46	1,509	5.52	5.17	***	.24	6.95	5.34	***	.97
Expected Academic Engagement (EAE) *Expected engagement in educationally relevant behaviors during the first year of college.*	Exp_acad	6.11	1.63	1,509	5.17	6.18	***	-.65	5.34	5.42	***	-.05

Reports

BCSSE Report

BCSSE
beginning college survey of student engagement

BCSSE 2010 Mean Scale Scores and Selected Student Comparisons

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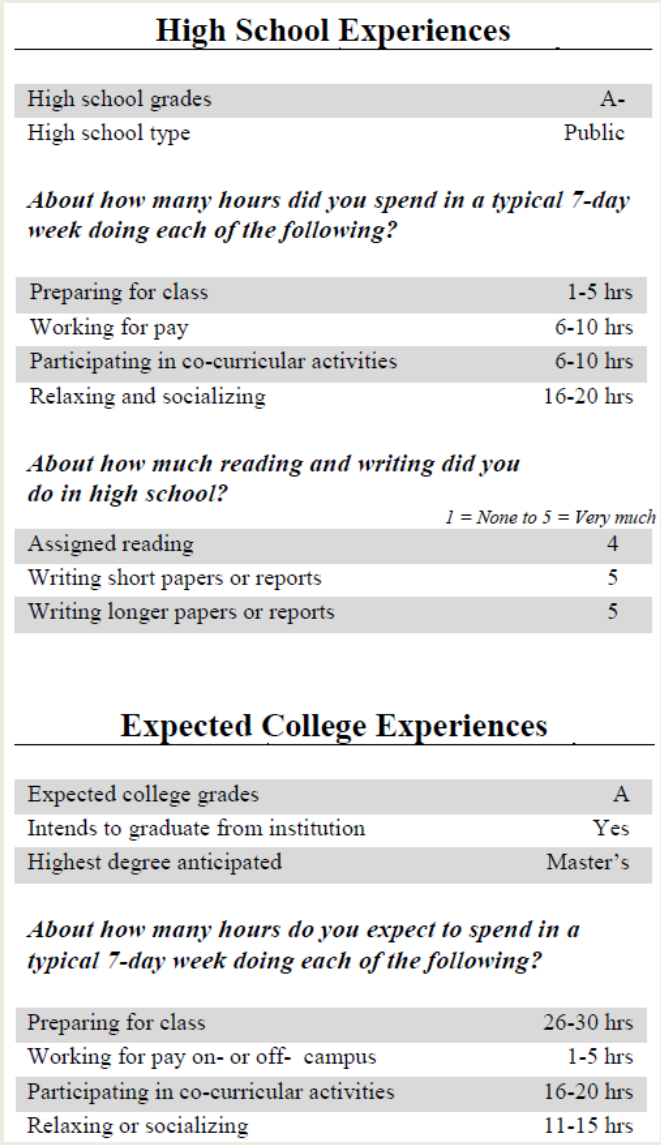
Reports



High School Experiences

High school grades	A-
High school type	Public

About how many hours did you spend in a typical 7-day week doing each of the following?

Preparing for class	1-5 hrs
Working for pay	6-10 hrs
Participating in co-curricular activities	6-10 hrs
Relaxing and socializing	16-20 hrs

About how much reading and writing did you do in high school?

1 = None to 5 = Very much

Assigned reading	4
Writing short papers or reports	5
Writing longer papers or reports	5

Expected College Experiences

Expected college grades	A
Intends to graduate from institution	Yes
Highest degree anticipated	Master's

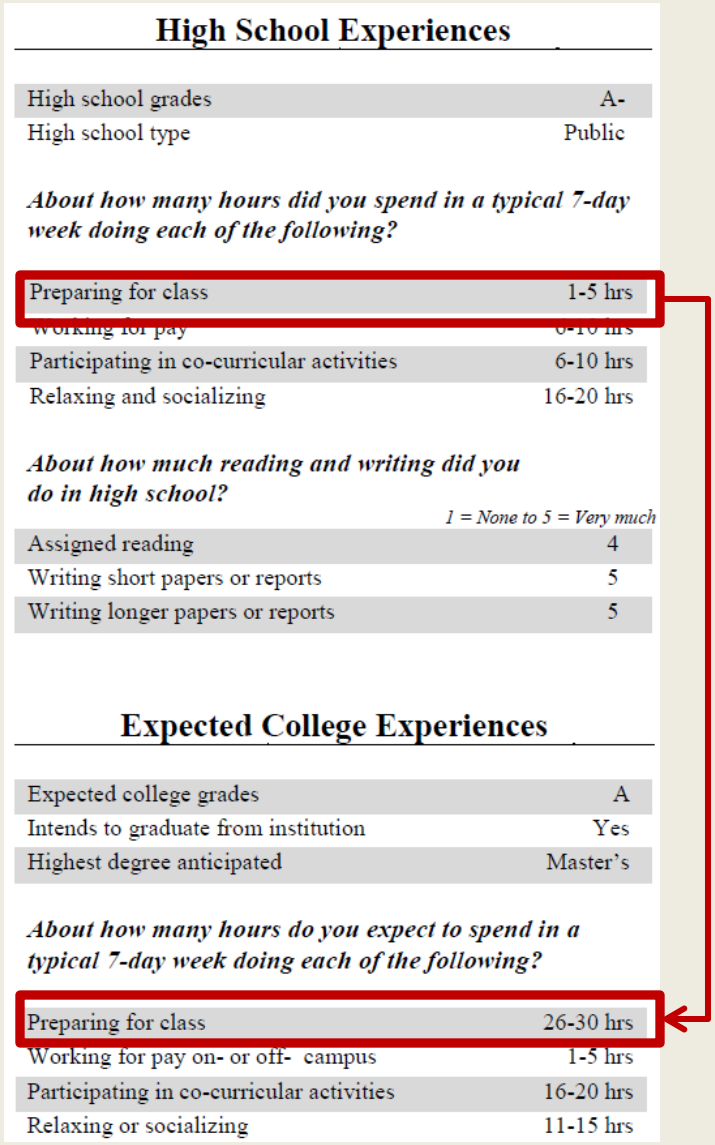
About how many hours do you expect to spend in a typical 7-day week doing each of the following?

Preparing for class	26-30 hrs
Working for pay on- or off- campus	1-5 hrs
Participating in co-curricular activities	16-20 hrs
Relaxing or socializing	11-15 hrs

The BCSSE Student Advising Report

The *Beginning College Survey of Student Engagement Student Advising Report is an individualized report designed to help you understand how your students' expectations about college activities and learning might affect their actual first-year experiences. This report uses information from the recently completed BCSSE survey.*

Reports



High School Experiences

High school grades	A-
High school type	Public

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Working for pay	6-10 hrs
Participating in co-curricular activities	6-10 hrs
Relaxing and socializing	16-20 hrs

About how much reading and writing did you do in high school?

1 = None to 5 = Very much

Assigned reading	4
Writing short papers or reports	5
Writing longer papers or reports	5

Expected College Experiences

Expected college grades	A
Intends to graduate from institution	Yes
Highest degree anticipated	Master's

About how many hours do you expect to spend in a typical 7-day week doing each of the following?

Preparing for class	26-30 hrs
Working for pay on- or off- campus	1-5 hrs
Participating in co-curricular activities	16-20 hrs
Relaxing or socializing	11-15 hrs

The BCSSE Student Advising Report

The BCSSE is not an achievement test, but rather a survey that can help you to better advise your students so they can get the most out of their college experience. The BCSSE Student Advising Report communicates the activities and experiences each student expects from their college experience.

Very Brief Description NSSE

National Survey of Student Engagement (NSSE)

- Collects data from first-year and senior students near the end of the academic year regarding their academic engagement.
- NSSE collects data regarding "good practices" in undergraduate education that reflect behaviors by students and institutions that are associated with desired outcomes of college.

Very Brief Description NSSE

National Survey of Student Engagement (NSSE)

- Level of Academic Challenge
  - Time spend preparing for class (Q9a)
- Active and Collaborative Learning
  - Worked with other students on projects during class (Q1g)
- Student-Faculty Interaction
  - Talked about career plans with a faculty member (Q1o)
- Enriching Educational Experiences
  - Talking with students of a different race or ethnicity (Q1u)
- Supportive Campus Environment.
  - Campus provides support you need to help you succeed academically (Q10b)

Survey Content

Many of these questions are designed to be matched with NSSE data.

BCSSE

8 **During your last year of high school, about how many hours did you spend in a typical 7-day week doing each of the following?**

a. Preparing for class (studying, doing homework, rehearsing, etc.)

0 | 1-5 | 6-10 | 11-15 | 16-20 | 21-25 | 26-30 | More than 30

Hours per week

b. Working for pay (before or after school, weekends)

0 | 1-5 | 6-10 | 11-15 | 16-20 | 21-25 | 26-30 | More than 30

Hours per week

c. Participating in co-curricular activities (arts, clubs, athletics, etc.)

0 | 1-5 | 6-10 | 11-15 | 16-20 | 21-25 | 26-30 | More than 30

Hours per week

d. Relaxing and socializing (watching TV, partying, etc.)

0 | 1-5 | 6-10 | 11-15 | 16-20 | 21-25 | 26-30 | More than 30

Hours per week

13 **During the coming school year, about how many hours do you think you will spend in a typical 7-day week doing each of the following?**

a. Preparing for class (studying, reading, writing, doing homework or lab work, analyzing data, rehearsing, and other academic activities)

0 | 1-5 | 6-10 | 11-15 | 16-20 | 21-25 | 26-30 | More than 30

per week

ing for pay on- or off- campus

1-5 | 6-10 | 11-15 | 16-20 | 21-25 | 26-30 | More than 30

per week

ipating in co-curricular activities (organizations, campus cations, student government, fraternity or sorority, ollegiate or intramural sports, etc.)

1-5 | 6-10 | 11-15 | 16-20 | 21-25 | 26-30 | More than 30

per week

ing and socializing (watching TV, partying, etc.)

1-5 | 6-10 | 11-15 | 16-20 | 21-25 | 26-30 | More than 30

per week

NSSE

9 **About how many hours do you spend in a typical 7-day week doing each of the following?**

a. Preparing for class (studying, reading, writing, doing homework or lab work, analyzing data, rehearsing, and other academic activities)

0 | 1-5 | 6-10 | 11-15 | 16-20 | 21-25 | 26-30 | More than 30

Hours per week

b. Working for pay **on campus**

0 | 1-5 | 6-10 | 11-15 | 16-20 | 21-25 | 26-30 | More than 30

Hours per week

c. Working for pay **off campus**

0 | 1-5 | 6-10 | 11-15 | 16-20 | 21-25 | 26-30 | More than 30

Hours per week

d. Participating in co-curricular activities (organizations, campus publications, student government, fraternity or sorority, intercollegiate or intramural sports, etc.)

0 | 1-5 | 6-10 | 11-15 | 16-20 | 21-25 | 26-30 | More than 30

Hours per week

e. Relaxing and socializing (watching TV, partying, etc.)

0 | 1-5 | 6-10 | 11-15 | 16-20 | 21-25 | 26-30 | More than 30

Hours per week

Survey Content

BCSSE

14 **During the coming school year, about how often do you expect to do each of the following?**

	Very often	Often	Some-times	Never
a. Ask questions in class or contribute to class discussions	☐	☐	☐	☐
b. Make a class presentation	☐	☐	☐	☐

NSSE

	Very often	Often	Some-times	Never
a. Asked questions in class or contributed to class discussions	☐	☐	☐	☐
b. Made a class presentation	☐	☐	☐	☐

Reports

BCSSE/NSSE Report

How many hours in a typical 7-day week doing each of the following?		BCSSE[1] High School Count	BCSSE[1] High School %	BCSSE[1] Expected FY Count	BCSSE[1] Expected FY %	NSSE[2] First Year Count	NSSE[2] First Year %
Preparing for class (studying, doing homework, rehearsing, etc.)	None	28	*2*	0	*0*	2	*1*
	1-10	904	*63*	154	*11*	166	*42*
	11-20	386	*27*	636	*45*	189	*42*
	More than 20	119	*8*	636	*45*	78	*16*
	Total	1,437	*100*	1,426	*100*	435	*100*
Participating in co-curricular activities (arts, clubs, athletics, etc.)	None	94	*7*	51	*4*	155	*37*
	1-10	474	*33*	748	*52*	176	*40*
	11-20	613	*43*	464	*32*	67	*14*
	More than 20	255	*18*	165	*12*	37	*9*
	Total	1,436	*100*	1,428	*100*	435	*100*
Working for pay	No	477	*33*	548	*38*	212	*49*
	Yes	961	*67*	879	*62*	223	*51*
	Total	1,438	*100*	1,427	*100*	435	*100*

Reports

BCSSE/NSSE Report

How many hours in a typical 7-day week doing each of the following?		BCSSE[1] High School Count	BCSSE[1] High School %	BCSSE[1] Expected FY Count	BCSSE[1] Expected FY %	NSSE[2] First Year Count	NSSE[2] First Year %
Preparing for class (studying, doing homework, rehearsing, etc.)	None	28	*2*	0	*0*	2	*1*
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Reports

BCSSE/NSSE Report

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Financial Stress and Engagement

NSSEville State is concerned about the success of their first-generation students. Feedback from admissions staff and academic advisors gives the impression that these students experience higher financial stress that compromises their academic engagement. NSSEville State's goals are to investigate financial stress and academic engagement of first-generation students in order to better serve these students.

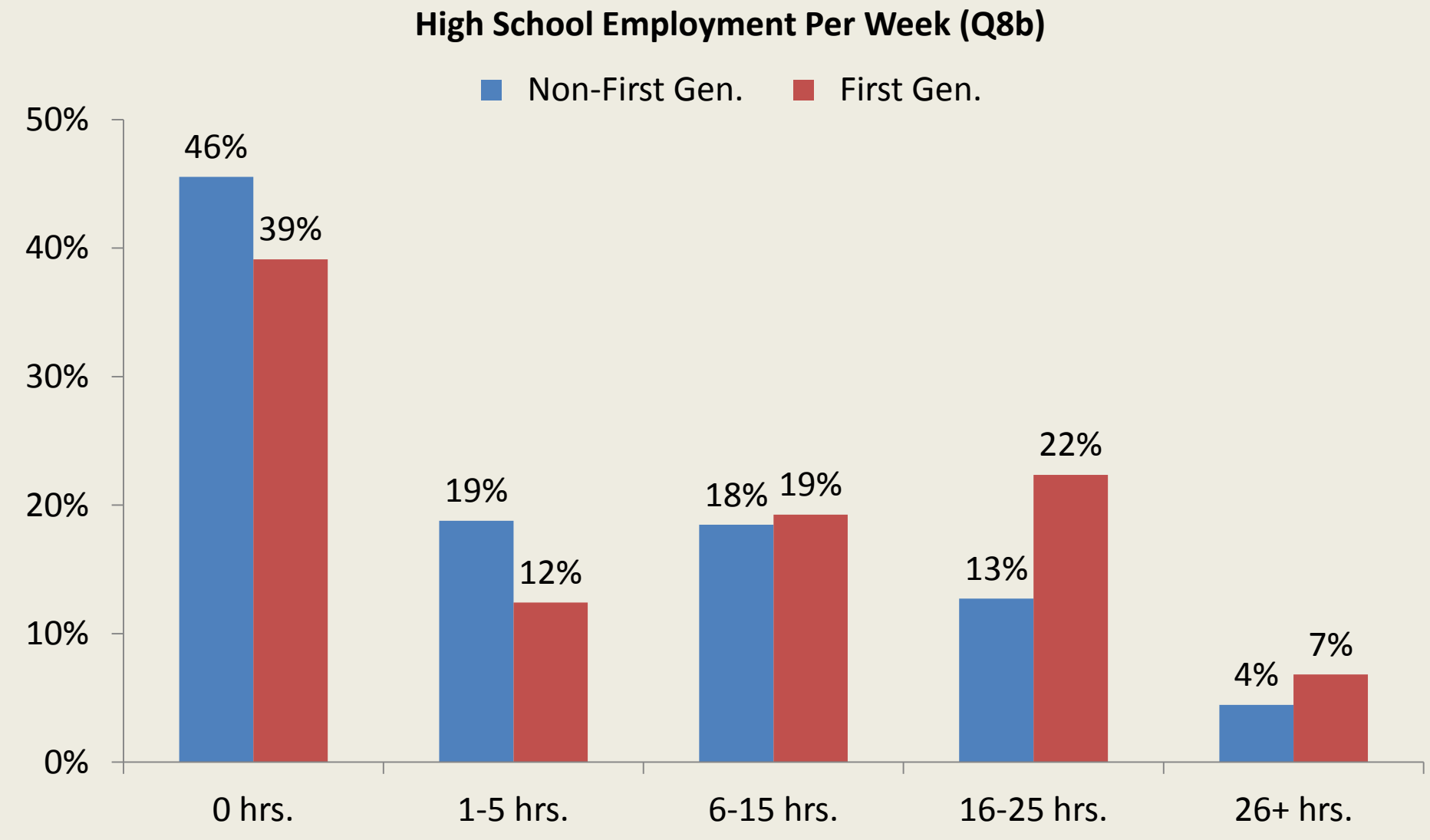
Financial Stress and Engagement

Indicators of financial stress:

- BCSSE data
  - High school experience (Q8a-b)
  - Anticipated college experience (Q13a-b, 16c, 18d)
- NSSE data
  - Actual college experience (Q9a-c, 9f, 10d)

Note: Survey questions will also be identified on each subsequent slide.

Financial Stress and Engagement



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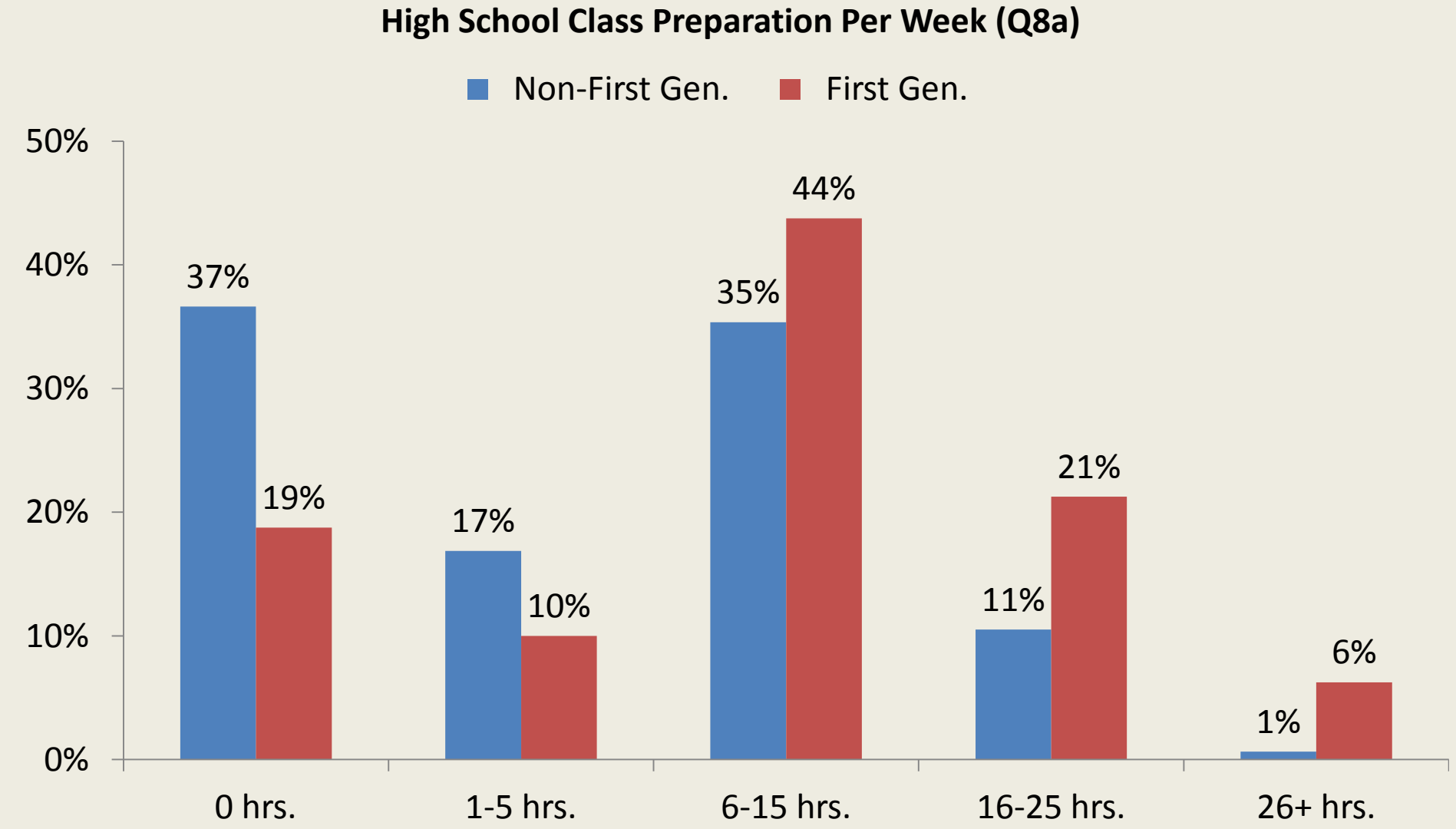

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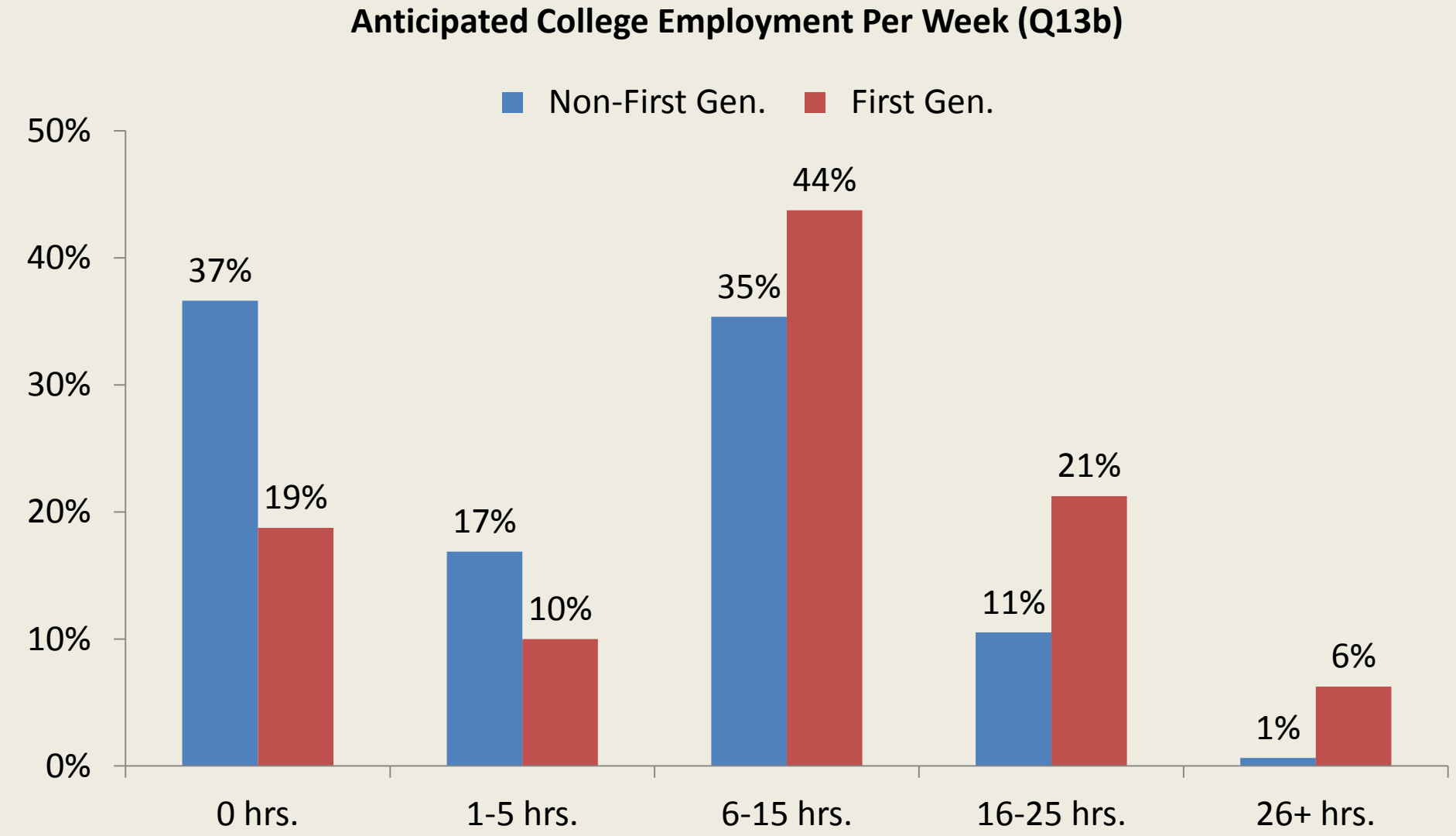

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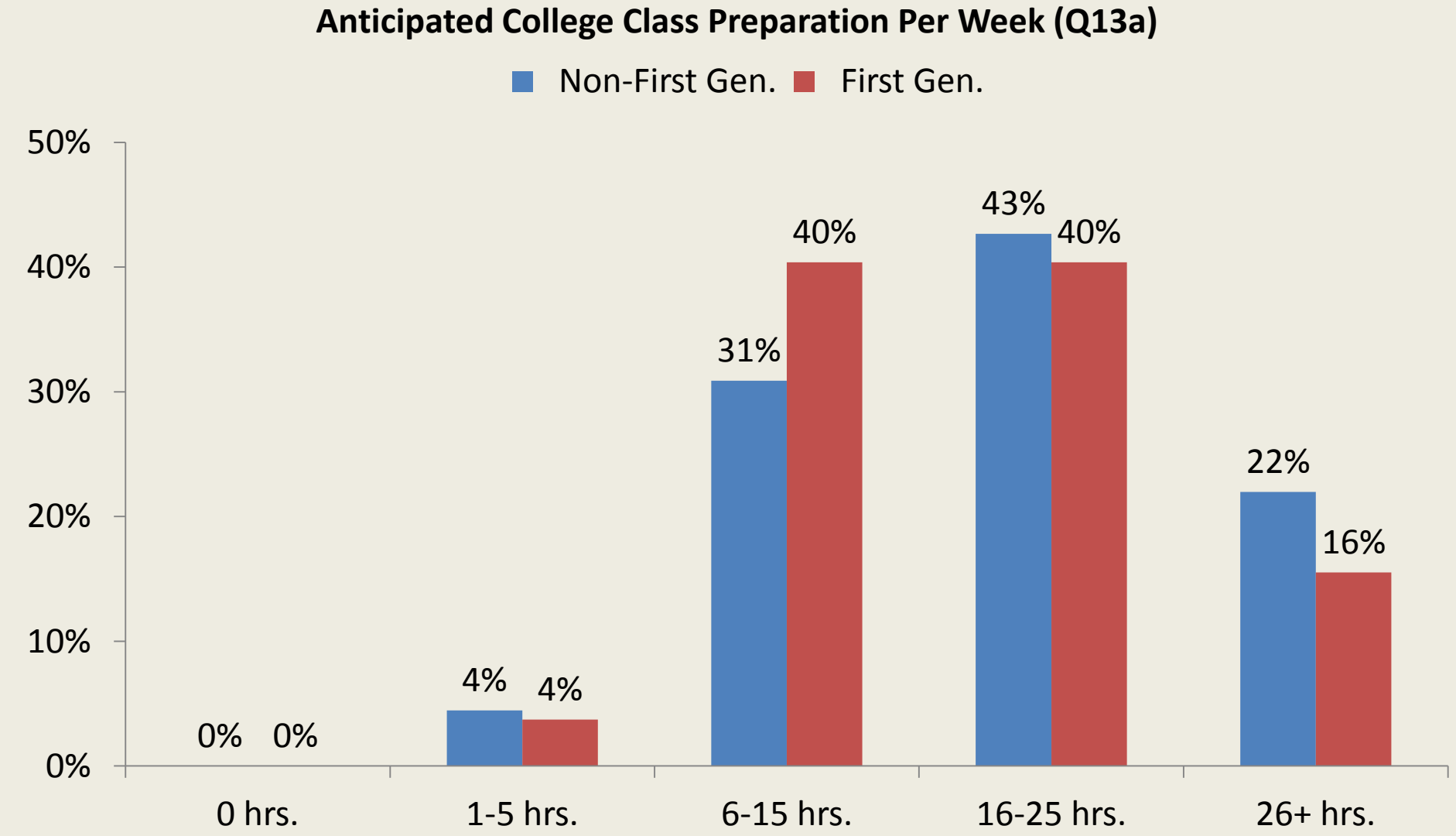

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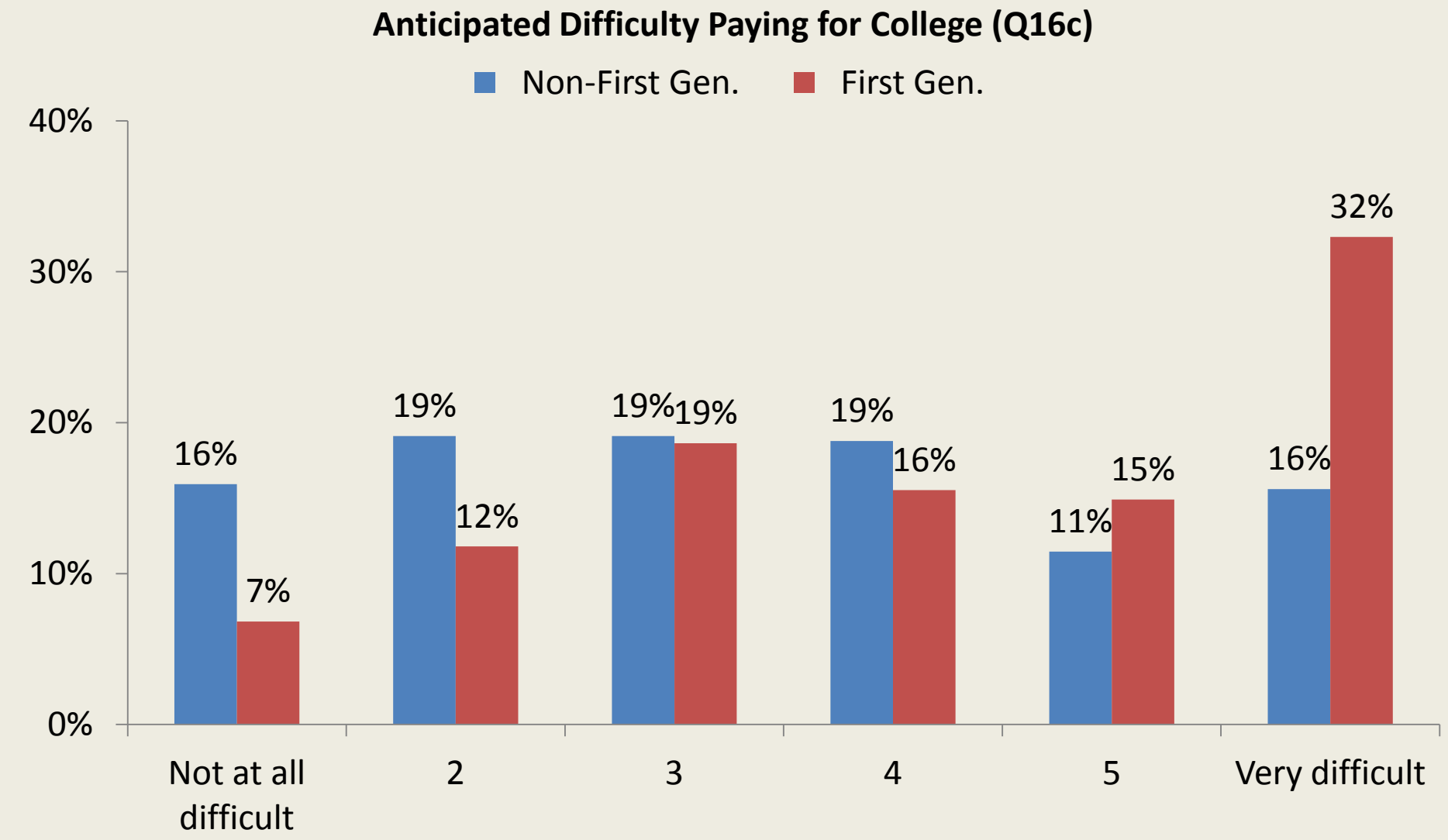

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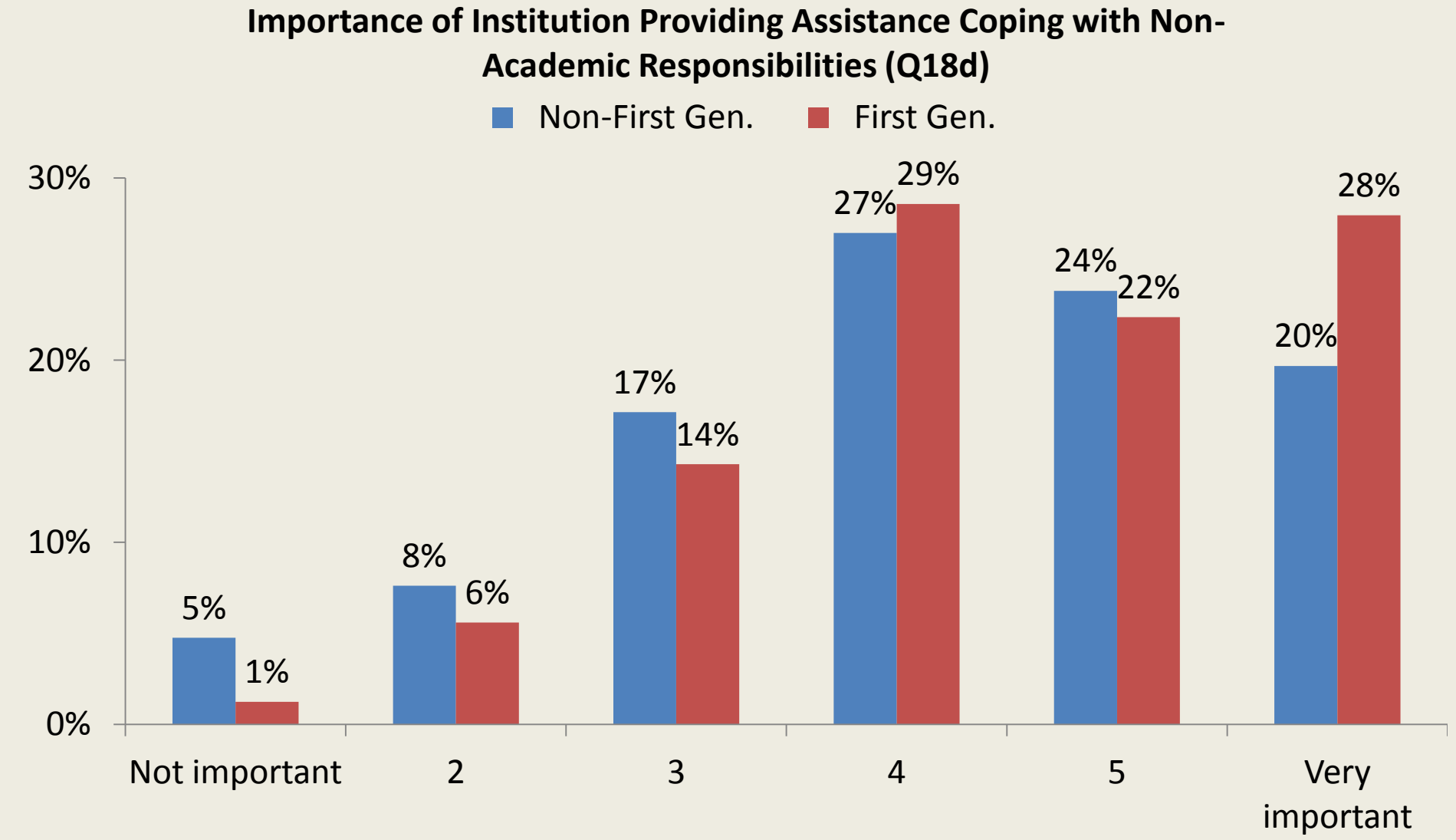

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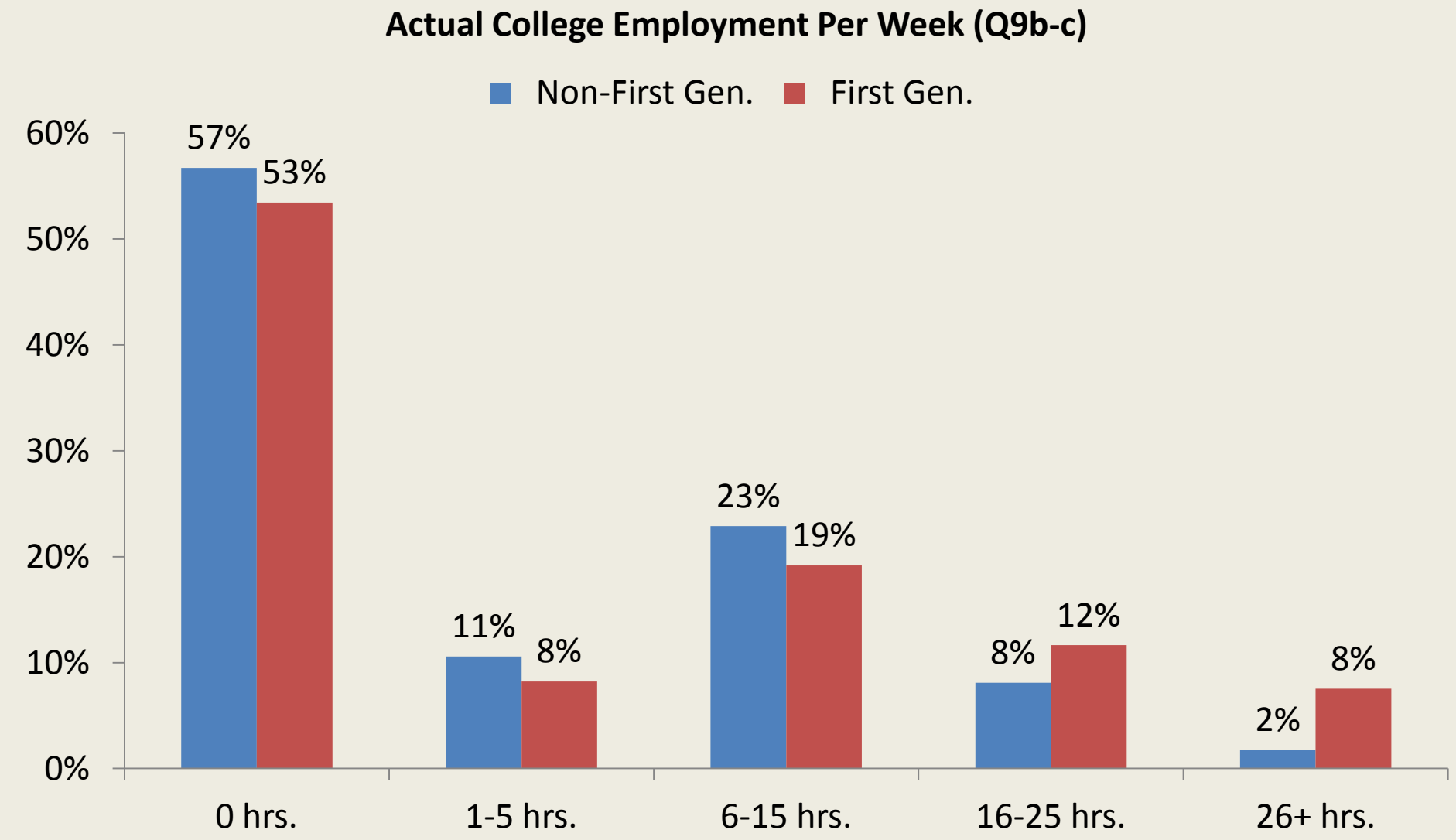

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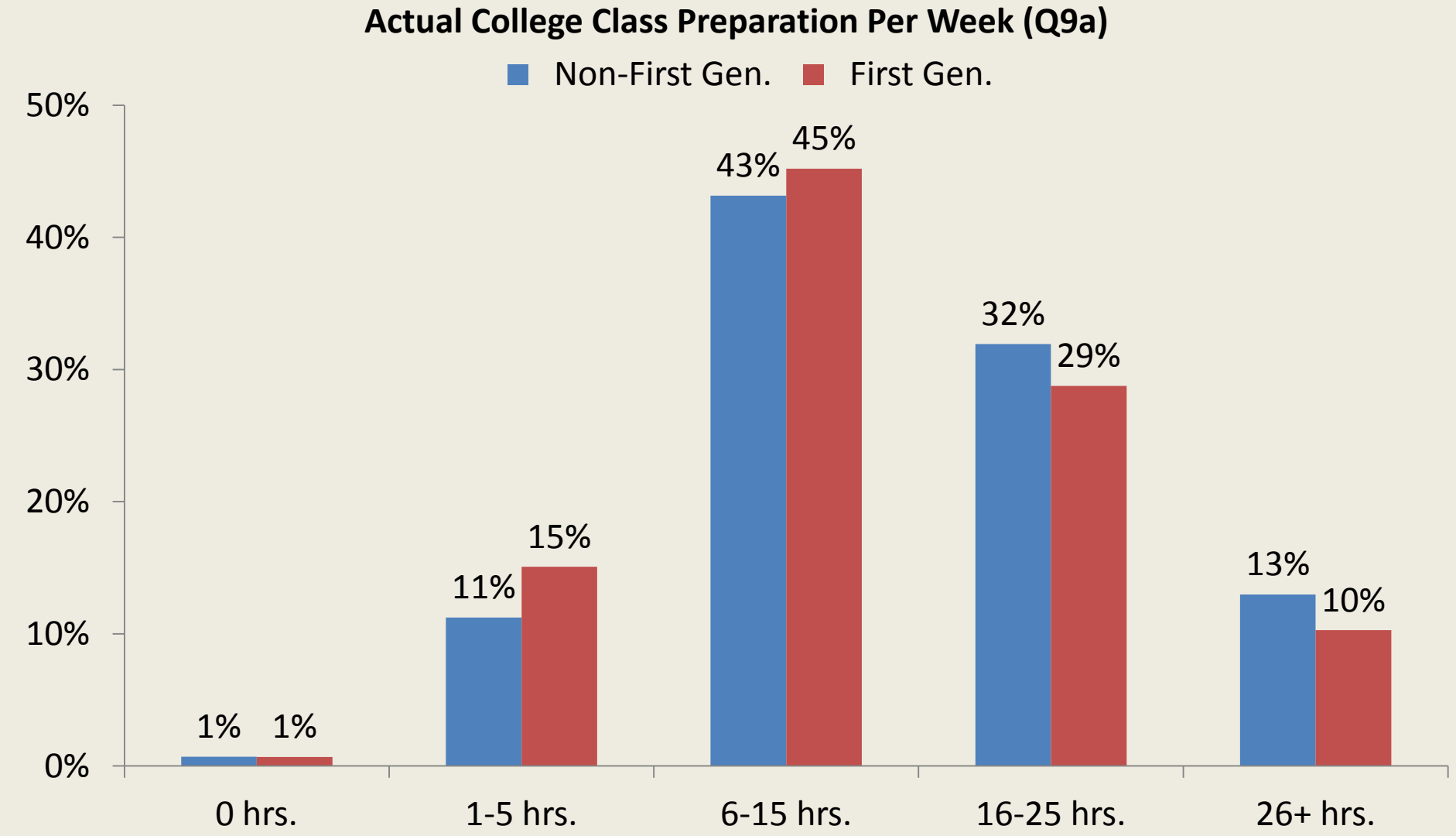

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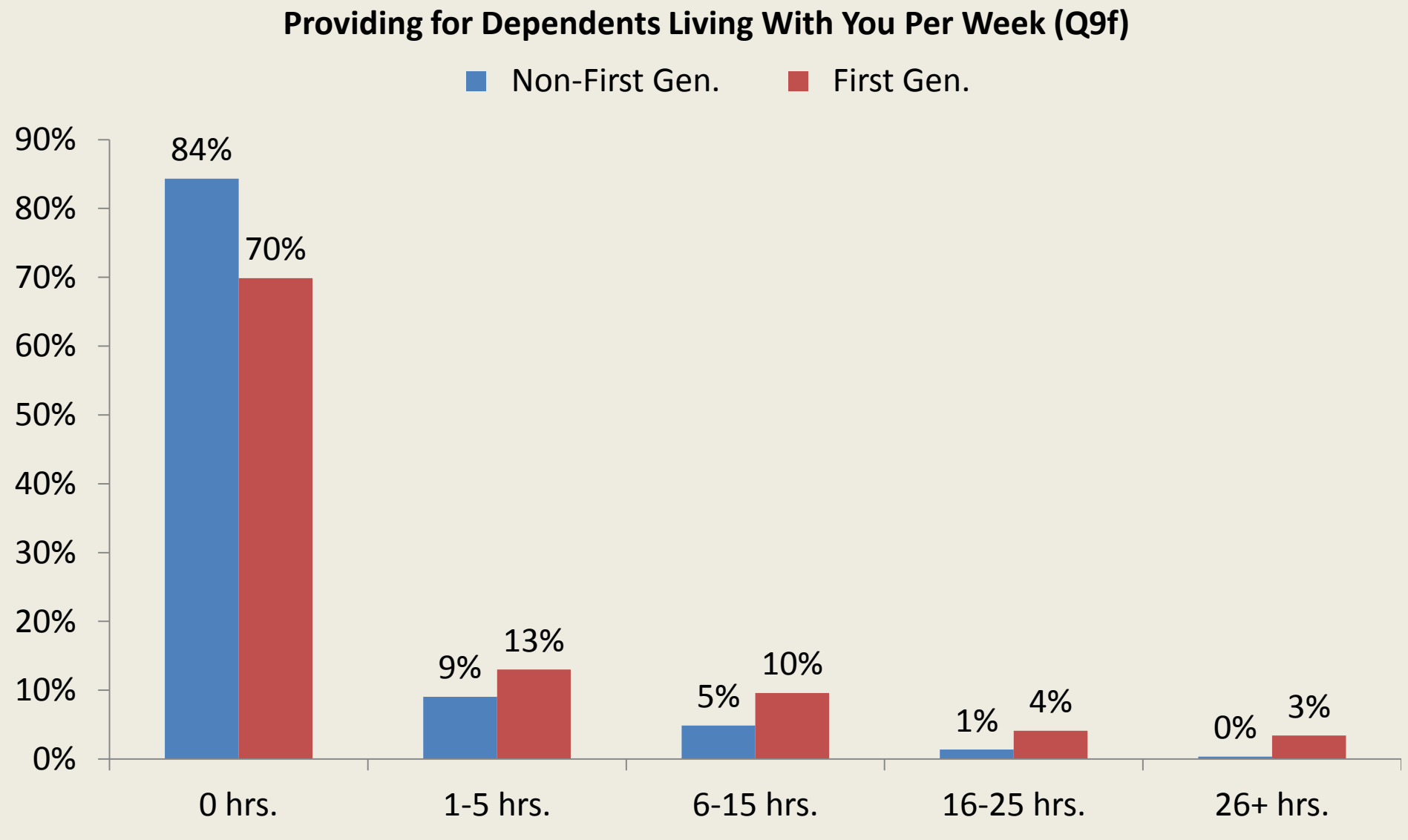

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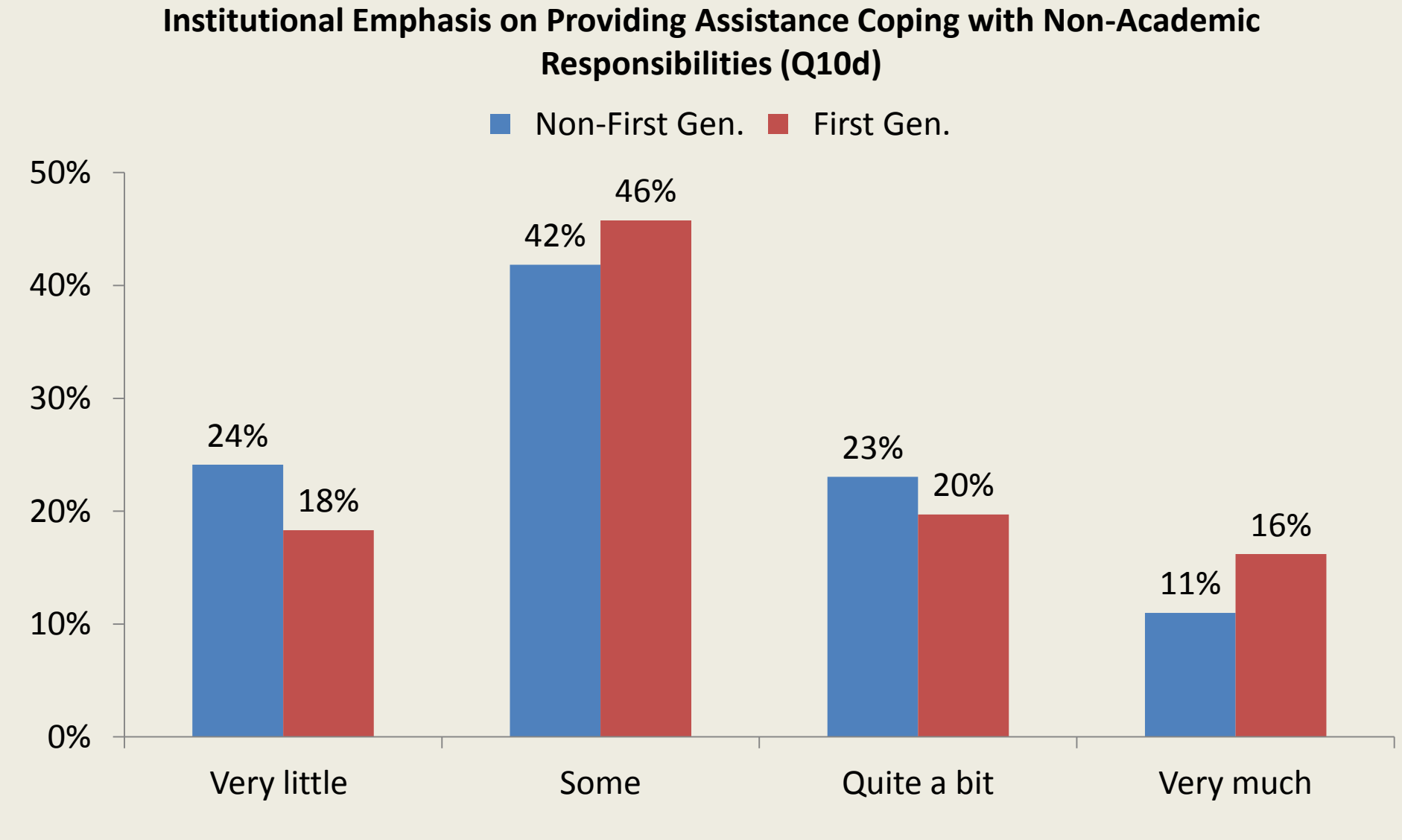

Financial Stress and Engagement

Wrap Up

- What we've covered
  - How much financial stress do your students have?
  - How does this stress affect student engagement?
  - Do the services your school provides serve your students well?

- Begin appropriate discussions on your campus
  - BCSSE and NSSE data can help frame questions

Any discussion, questions, or comments?

BCSSE Updated in 2013!

Share with us your ideas, comments, and questions

Over the next several months, BCSSE will be updated to correspond with the NSSE 2014 administration. Part of this process includes getting feedback. Please help us to make BCSSE an even better survey instrument. Your input is critical so that we make changes that are in the best interest of our participating institutions.

To arrange a meeting please visit the NSSE/BCSSE exhibit or call/text Jim Cole, BCSSE Project Manager, at 812-320-5651

We need to hear from you!

Please contact me with any questions:
Jim Cole (colejs@indiana.edu)

NSSE national survey of student engagement

Thank you!

Copy of this and past presentations can be found at:
http://bcsse.iub.edu/pubs.cfm

Additional BCSSE information can be found at:
http://bcsse.iub.edu/

Feel free to contact me with any questions regarding BCSSE & NSSE.

Jim Cole
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