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# The American Freshman: National Norms Fall 2016

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The Higher Education Research Institute (HERI) is based in the Graduate School of Education & Information Studies at the University of California, Los Angeles. The Institute serves as an interdisciplinary center for research, evaluation, information, policy studies, and research training in postsecondary education.

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## INTRODUCTION

Polarized politics, mental health concerns, and increased institutional efforts to confront and prevent campus sexual assault represent some of the heated national topics that colleges and universities helped us measure in 2016. With its findings from the 2016 Freshman Survey and other national datasets, the Higher Education Research Institute (HERI) provided campus leaders, policymakers, Supreme Court justices, and the general public with critical insights about how these debates have affected and are perceived by today's college students.

Last June, our research helped inform the Supreme Court's decision in *Fisher v. The University of Texas* to uphold affirmative action in college admission. Our 2015 research briefs provided evidence linking diverse college campuses with strong academic and co-curricular outcomes. From these data Jayakumar (2015) and Hurtado and Ruiz Alvarado (2015) concluded that greater diversity on college campuses reduces racialized vulnerability for students of color and fewer reported incidents of bias or discrimination by Black and Latino students. The American Educational Research Association (AERA) cited these studies in its brief filed with the Court in support of The University of Texas. With this decision, higher education institutions retain the flexibility to consider race/ethnicity as one component of a more holistic review of applicants' files.

HERI's research continues to provide such current and relevant findings due to its commitment to exploring diversity within higher education and ensuring its surveys both reflect such diversity and represent the critical issues facing colleges and universities. Extending and intensifying HERI's ongoing focus on diversity in undergraduate STEM education, former HERI Director Dr. Sylvia Hurtado and current Managing HERI Director Dr. Kevin Eagan received funding in 2016 from the Helmsley Charitable Trust. The grant expands their current research funded by the National Institutes of Health (NIH) investigating the coordination efforts and structures of undergraduate STEM programs at institutions identified as top producers of undergraduate STEM degrees.

Leveraging HERI's resources and expertise, Drs. Hurtado and Eagan also advanced the data collection and analysis efforts of the NIH-funded **Diversity Program Consortium**. The Consortium develops, implements, and evaluates "innovative approaches to research training and mentoring"<sup>1</sup> within the biomedical sciences to ensure greater diversity. The 2016 Freshman Survey included 15 new items measuring science identity, science self-efficacy, and commitment to pursue a biomedical career.

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<sup>1</sup> [www.diversityprogramconsortium.org](http://www.diversityprogramconsortium.org)

To better identify, interpret, and address ongoing campus climate issues, we expanded our outreach efforts with additional campus partnerships to conduct more in-depth climate assessments using HERI's **Faculty Survey** and its **Diverse Learning Environments (DLE)** survey—with HERI researchers collecting qualitative data through campus site visits, individual interviews, and student focus groups. The DLE team also added questions to broaden the collective understanding of what college life is like for student veterans and to better represent the diversity of U.S. college students across identities related to gender, sexual orientation, and disability status.

HERI continually strives to inform educational and institutional policies and to evaluate the effect of those policies on students through its extensive research program. Staff working at colleges and universities have long played a critical role in shaping students' experiences and contributing to institutions' ability to fulfill their missions, yet campuses have lacked a mechanism to understand how staff experience and perceive the campus community. Recognizing this, HERI piloted a staff climate survey during the 2016-17 academic year and expects to debut it as part of its growing suite of surveys available to both two- and four-year institutions. When combined with the HERI Faculty Survey and Diverse Learning Environments survey, the staff climate survey offers campuses the opportunity to compile a comprehensive portrait of how the campus community experiences and perceives climate.

HERI is the nation's largest and oldest empirical study of higher education, and in 2015 we celebrated 50 years of collecting data via the **Freshman Survey**, the most comprehensive data available anywhere on new students in the U.S. This milestone was honored at the annual Association for Institutional Research forum in New Orleans, and the annual conference of the Association for the Study of Higher Education (ASHE) where HERI received the ASHE Special Merit award for its longstanding and continuing contributions to the higher education research community.

In 2017, we seek to build on this strong foundation of success by offering professional development opportunities for institutional researchers, graduate students, campus administrators, and faculty through HERI's **Summer Institute** series. We will offer four institutes concurrently in June of 2017 that focus on analyses of social networks, strategies to enhance instruction in community college classrooms, approaches in designing and executing studies using data from HERI's surveys, and promising practices to improve undergraduate STEM education. The **CIRP Data Institute** and the **Community College Faculty Institute** will run from June 21-23 while the **STEM Summer Institute** and **Social Network Analysis Institute** begin June 22 and conclude June 23.

## **THE AMERICAN FRESHMAN: NATIONAL NORMS FALL 2016**

The contentious 2016 U.S. presidential election dominated the news cycle in 2016, and findings from the 51<sup>st</sup> administration of the Freshman Survey reveal one of the most politically polarized cohorts of entering first-year students in the history of the survey, with a larger proportion of students placing greater importance on life goals of influencing the political structure and social values. College costs and affordability emerged as a common topic for candidates seeking political office at all levels, and we highlight below how incoming first-year college students at four-year colleges and universities give increasing weight to cost concerns when deciding which institution to attend.

In this report, we revisit the continued decline in how incoming freshmen rate their mental and emotional well-being, and consider differences by disability or medical condition (e.g., chronic illness, ADHD). We also highlight particular subgroups of college students that have gone understudied. In particular, we examine the pre-college experiences, goals, and characteristics of transgender students, students who lived as part of the foster care system or as a dependent of the court since turning 13 years old, and students who have an affiliation with the U.S. military.

The results reported in this monograph are based upon 137,456 first-time, full-time students who entered 184 U.S. colleges and universities of varying selectivity and type in the fall of 2016. Weights have been applied to these data to reflect the more than 1.5 million first-time, full-time undergraduate students who began college at 1,568 four-year colleges and universities across the U.S. in the fall of 2016. This means that differences of one percentage point in the results published here reflect the characteristics, behaviors, and attitudes of more than 15,000 first-year students nationally. We describe the full methodology of the 2016 Freshman Survey administration, stratification scheme, and weight approach in Appendix A.

### **POLITICAL ORIENTATION | POLITICAL ENGAGEMENT | POLITICAL VIEWS**

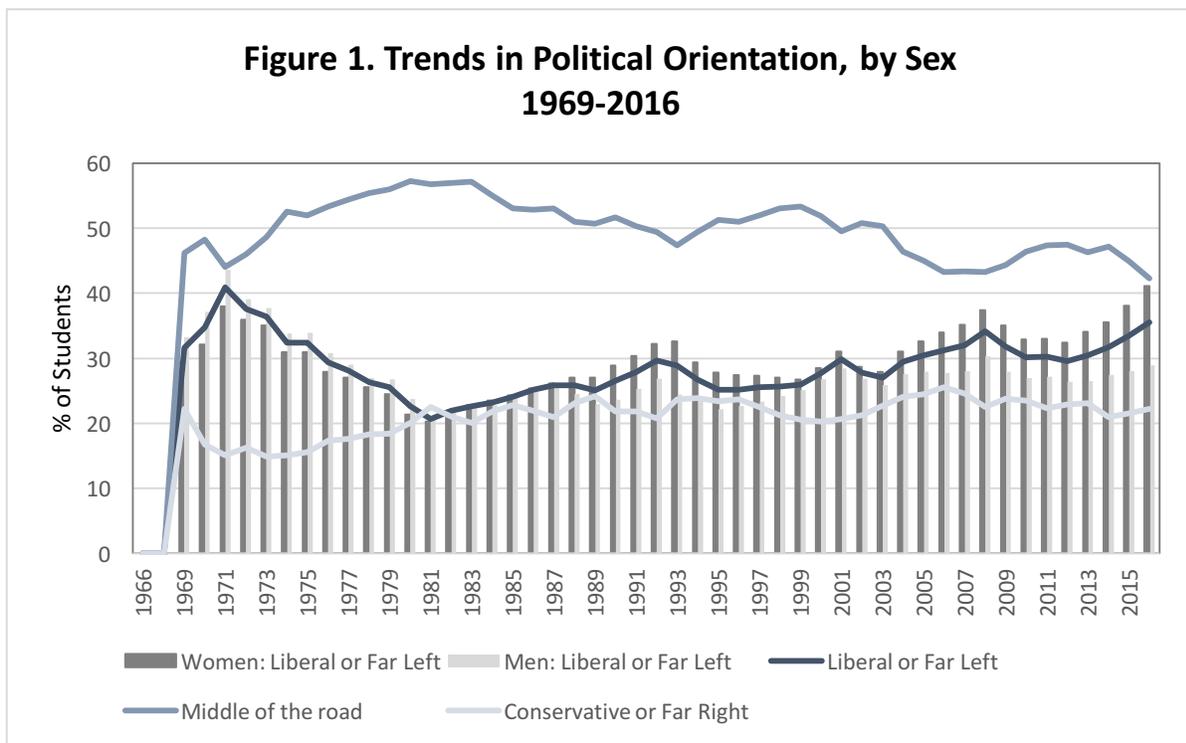
First-time, full-time students who started college in the fall of 2016 began their undergraduate careers during one of the most contentious U.S. presidential campaigns in recent memory. From candidates' pronouncements about potential policies and positions on hot-button issues to the never-ending activity of fact-checking among journalists and engaged citizens, the 2016 U.S. presidential election represented the first opportunity to vote for many members of the entering class of 2016. Those who voted weighed their values, evaluated the reliability of

information pertaining to candidates’ policy proposals, and engaged in dialogue with friends and family about controversial issues before deciding which candidate received their vote. In the months leading up to the 2016 general election, students participating in the Freshman Survey responded to a number of questions about their political leanings, participation in political campaigns, and perceived confidence in addressing controversial issues.

**WOMEN SELF-IDENTIFY AS LIBERAL MORE THAN MEN**

Self-reported political orientation among college students typically grows more polarized during U.S. presidential election years; but **the fall 2016 entering cohort of first-time, full-time college students, has the distinction of being the most polarized cohort in the 51-year history of the Freshman Survey** (see Figure 1). Fewer students than ever before (42.3%) categorize their political views as “middle of the road,” reflecting a general political polarization within this demographic. Gender appears to play a role in this polarization:

- An all-time high of **41.1% of women self-identify as “liberal” or “far left”** with respect to their political views **compared to 28.9% of men**, yielding the largest gender gap in self-reported liberalism to date (12.2 percentage points).
- Women are more likely than men to “agree somewhat” or “agree strongly” that addressing **global climate change should be a federal priority** (82.4%, as compared to 77.6% of men).
- Women are also more likely than men to “agree somewhat” or “strongly agree” that **the federal government should have stricter gun control laws** (75.4%, as compared to 58.8% of men).



The record level of polarization of the 2016 entering freshman class comes at a time when these same students follow the recent trend of rising levels of civic engagement (Eagan, Stolzenberg, Bates, Aragon, Suchard, & Rios-Aguilar, 2016). Specifically, the 2016 entering cohort reports high levels of political engagement, perhaps in response to the presidential election season coinciding with their matriculation to college.

- More than one-quarter of first-time, full-time students (26.9%) rate the life goal of influencing the political structure as “very important” or “essential”—the largest proportion to date.
- Additionally, 46.0% of students report that keeping up with political affairs is similarly “very important” or “essential” to them personally, the largest such response since 1990.

It is unclear, however, how these beliefs might have translated to students’ civic or political activities. Election exit poll data indicate that while approximately 60.2% of all eligible voters participated in the 2016 general election, a much smaller share of eligible 18 to 29 year-olds—only about one half—voted (Center for Information and Research on Civic Learning and Engagement, 2016; United States Elections Project, 2017). Analyses of follow-up data from the 2017 Your First College Year survey will help to better discern trends within the more specific population of this year’s entering college students.

**PLURALISM—LIVING WITH OTHERS WITH DIFFERENT BELIEFS**

Increased political engagement coupled with growing differences in political views could raise the question of whether students demonstrate any corresponding change in pluralistic orientation; in other words, skills and dispositions appropriate for living and working with diverse-minded others. Compared to 2015, this year’s first-time, full-time students report comparable levels of self-rated pluralistic orientation. However, as with political views, gender appears to be a contributing factor in students’ beliefs about themselves (see Table 1).

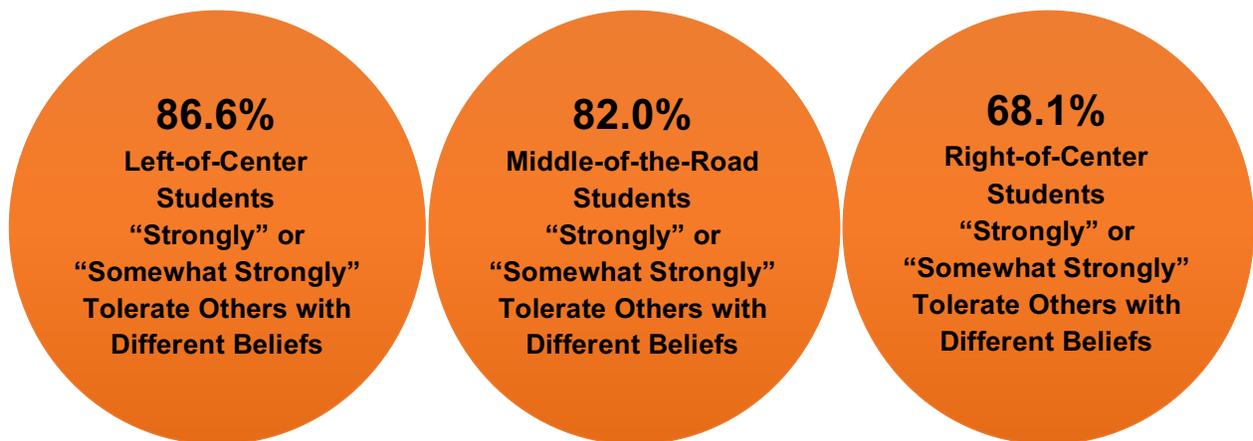
**Table 1. Pluralistic Orientation by Sex**

	2015			2016		
	Women	Men	Diff (W-M)	Women	Men	Diff (W-M)
Ability to see the world from someone else's perspective	77.6	75.5	2.1	78.1	75.7	2.4
Tolerance of others with different beliefs	81.3	79.6	1.7	81.4	79.0	2.4
Openness to having my own views challenged	61.8	65.9	-4.1	63.0	67.0	-4.0
Ability to discuss and negotiate controversial issues	67.3	75.1	-7.8	67.9	75.1	-7.2
Ability to work cooperatively with diverse people	86.8	84.5	2.3	87.8	84.6	3.2

Compared to women, men report higher levels of ability to discuss and negotiate controversial issues, and openness to having their own views challenged (differences of 7.2 and 4.0 percentage points, respectively). These gender differences were similarly large in 2015. While women report higher levels of other, perhaps less confrontational behaviors associated with pluralistic orientation, the gender differences for these measures are relatively small.

### **TOLERANCE AND EMPATHY VARY BY PARTISANSHIP**

Responses to these same items **disaggregated by political orientation reveal even larger disparities**. In regards to tolerating others with different beliefs, just more than two-thirds (68.1%) of right-of-center students rated their tolerance of others with different beliefs as “strong” or “somewhat strong” compared to 82.0% of “middle of the road” students and 86.6% of left-of-center students.



More left-leaning students perceive their ability to see the world from someone else’s perspective as strong (83.6%) compared to their more centrist (76.5%) and right-leaning (68.8%) peers.

### **SUGGESTED ACTION FOR INSTITUTIONS**

**Based on these findings, institutions might consider implementing or expanding activities such as intergroup dialogue in order to help students develop their ability to engage in productive conversations about their political views with peers or others who might hold dissimilar views or values.**

## **RISING COSTS | FINANCING COLLEGE | COLLEGE CHOICE**

### **RISING CONCERN OVER COLLEGE COSTS**

One of the many controversial issues highlighted during the 2016 U.S. presidential election (and in other federal, state, and local races across the country) pertained to college affordability and growing concerns about the steep rise in college costs. Each of the candidates for U.S. president expressed concerns about how the rising cost of college negatively affected students and their families, especially those from low-income households.

The majority of incoming first-year students in 2016 expressed some level of concern about their ability to finance their college education. Over half (55.9%) of incoming students have some concern about their ability to finance college while 13.3% report that they have major concerns about their ability to finance college. These figures are a slight shift from 2015 when 52.6% of incoming students had some concern about their ability to finance college and 12.0% had major concerns.

**Women and students of color are more likely to have major concerns about their ability to finance their college education**, as 15.8% of women express “major” concerns about financing college compared to 10.1% of men. One-quarter of Latino (24.7%) and 22.0% of Black students also have “major” concerns about their ability to pay for college compared to 9.2% of White first-time, full-time students. Similar differences exist based upon first-generation status, as about one-quarter of first-generation students (24.4%) report having “major” concerns about paying for college compared to 10.6% of students whose parents attended college.

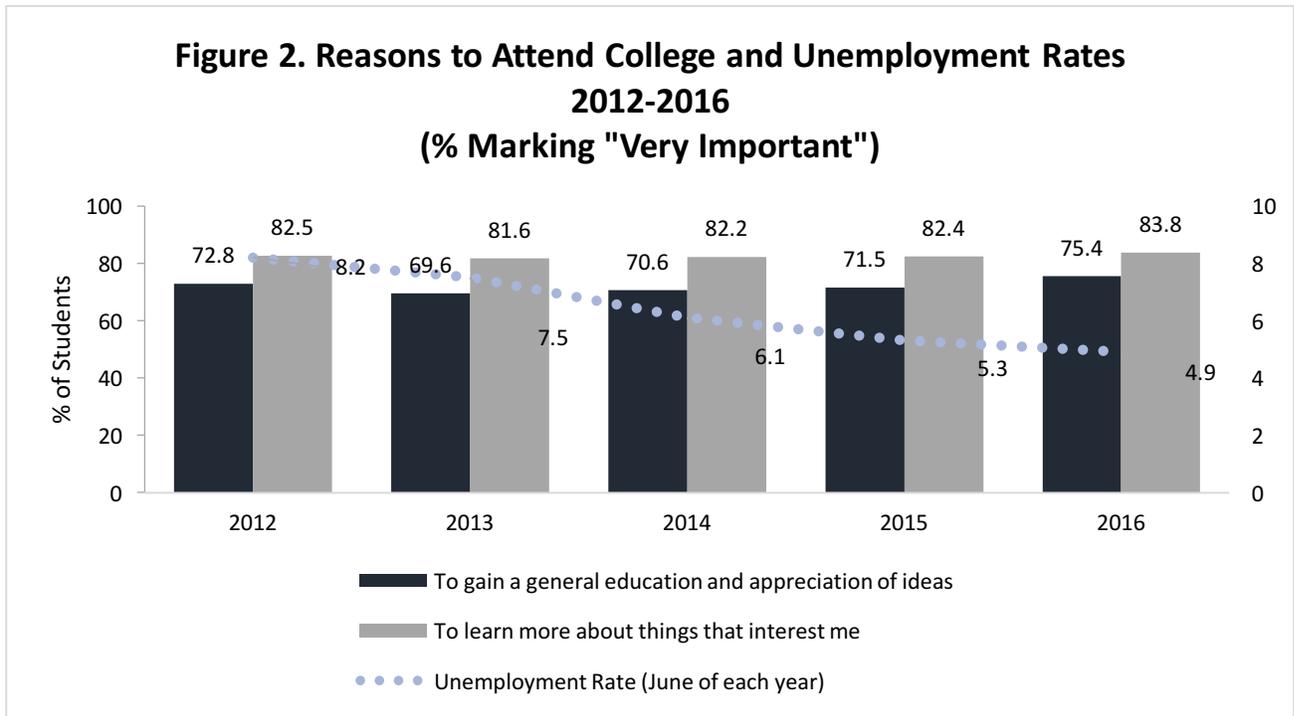
### **INCREASING COLLEGE COSTS LEAD STUDENTS TO WORK MORE DURING COLLEGE**

Many students offset some of their expenses for college by getting a job. Over half of incoming students (50.4%) say there is a “very good chance” that they will get a job to help pay for college expenses, which represents an increase from 46.3% last year. Similar to concerns about paying for college, students’ expectations for getting a job to pay for college varied by sex, race, and first-generation status.

- More than half of women (56.9%) anticipate a “very good chance” of getting a job while in college compared to 42.5% of men
- 62.3% of Latino students think they have a “very good chance” of getting a job to pay for college compared to 54.3% of Native American, 53.4% of Black, 47.6% of White, and 45.5% of Asian students
- Three out of five first-generation students expect to have a “very good chance” of getting a job to help pay for college, a proportion much higher than the 48.2% of continuing-generation students.

**RENEWED REASONS TO ATTEND COLLEGE: INTERESTS AND IDEAS**

As students and their families share growing concerns about how to pay for college, they also appear to have shifted with respect to how economic considerations factor into decisions about whether and where to go to college. As shown in Figure 2, the declining unemployment rate from 8.3% in 2012 to 4.9% in 2016 (U.S. Department of Labor, 2017) has fallen in tandem with job-related and financial reasons for wanting to go to college.



During and in the years immediately following the Great Recession, results from the annual Freshman Survey suggested the growing salience of employability, economic stability, college cost, and financial aid in the reasons why students pursued college and in the decisions they made during their college search processes. For example, the percentage of students concerned about going to college to get a better job has steadily declined from an all-time high of 87.9% in 2012 to 84.8% in 2016. In addition, first-time, full-time college students in 2016 are slightly less likely to identify making more money as a very important reason to attend college (72.6%) compared to their peers who started college in 2012 (74.6%).

Although concerns about the cost of attending college and strategies to finance college continue to be at the forefront of students’ and parents’ minds, **first-time, full-time students entering college in the fall of 2016 placed less weight than previous cohorts on economic considerations when deciding whether to pursue higher education**; instead, they drew their motivation for a college degree from a place of personal and intellectual development.

After several years where the proportion of students who reported gaining a general education and appreciation of ideas as a very important reason to attend college hovered around 70%, more than three-quarters (75.4%) of the members of the 2016 incoming first-time, full-time cohort identified this consideration as “very important,” representing an increase of almost four percentage points from last year and the highest rate in the item’s 46-year history on the survey. Entering freshmen in 2016 also identified learning more about things that interest them as a very important reason to attend college (83.6%), also at the highest level since its debut on the survey in 1971 (70.4%).

### **MORE STUDENTS DECIDE AGAINST FIRST-CHOICE COLLEGE DUE TO COSTS**

While students have shown less concern for the financial benefits of attending, the costs of enrolling at a specific campus has impacted their choice of college despite an improving economy. In 2016, **a record 15% of freshmen felt they could not afford their first-choice institution**—that’s a 60% increase from 2004 (9.4%), which was the first time this question was asked on the survey. In addition, the proportion of first-time, full-time students rating “not being offered aid by their first choice” as a very important factor in selecting their college has more than doubled from 4.4% in 1984 (when the item debuted on the Freshman Survey) to 11.5% in 2016.

### **CAMPUS VISITS—A GROWING VALUE IN CHOOSING A COLLEGE**

Despite the availability of information about institutions on their websites or via social media, almost half of first-time, full-time students in 2016 considered a campus visit as very important (46.7%) in making their college choice. This sets an all-time high for this item since its introduction to the Freshman Survey in 2003.

Campus visits appear to have greater value among women (51.7% rating a visit as “very important” or “essential”) than among men (40.4%). Further, just over half of students attending their first-choice institution (54.6%) rated the campus visit as a very important factor in their decision-making process. By contrast, campus visits weighed less heavily in the decision process for students who decided to enroll elsewhere despite being accepted by their first choice (37.0%), and students who were denied admission by their first choice (36.2%).

#### **SUGGESTED ACTION FOR INSTITUTIONS**

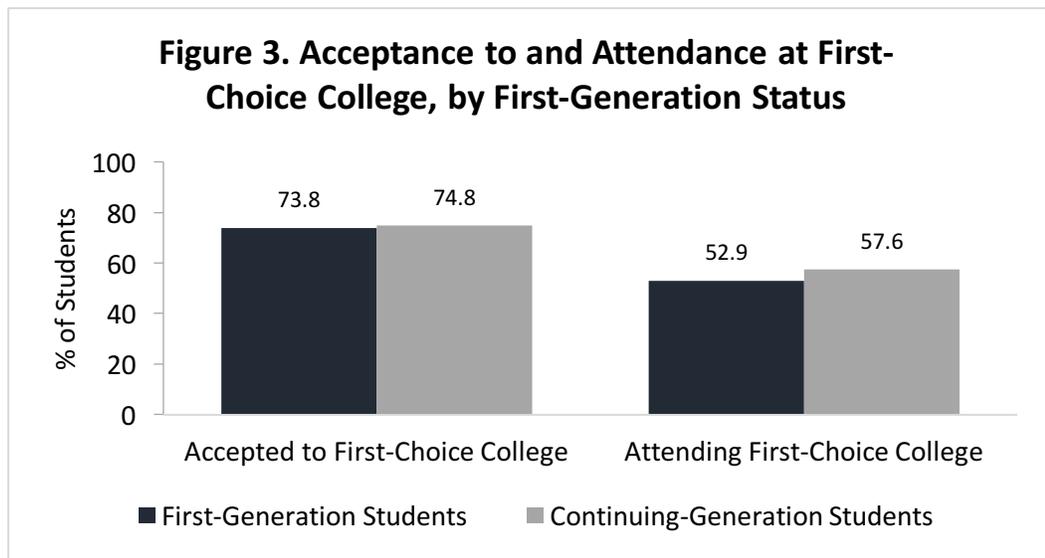
**Further analysis of the types of students that value the campus visit could provide admissions offices with more targeted agendas and activities for campus visits, but also provide information about students who may have barriers to campus visits.**

## FIRST GENERATION STUDENTS – COMPLEX MOTIVATIONS

### COLLEGE CHOICE TIED TO COST FOR MANY FIRST-GENERATION STUDENTS

Choosing a college tends to be far more complex for freshmen who are the first in their family to attend college. HERI identifies “first-generation” college students as those who report that neither parent has *attended* a postsecondary institution. Given first-generation students’ overrepresentation among Hispanic students, foreign-born students, and students from less economically affluent households, they tend to engage in a more complex, distinct process in choosing a college (Saenz, Hurtado, Barrera, Wolf, & Yeung, 2007).

While first-generation freshmen are nearly as likely to be accepted by their first-choice institution (73.8%) as freshmen



with parents who have at least some college experience (74.8%), they are less likely than their peers to be attending their first-choice institution (52.9% compared to 57.6%). (See Figure 3). First-generation students are more likely to consider the cost of their selected institution and being offered financial assistance as very important factors in selecting their college (56.1% and 58.2%, respectively) compared to continuing-generation students (45.1% and 43.9%, respectively), differences of 11 and 14.3 percentage points, respectively.

#### **SUGGESTED ACTION FOR INSTITUTIONS**

**Given the apparent differential influence of financial concerns in first-generation students’ college choice, institutions need to pay particular attention to this demographic both in terms of financial aid packaging and transitioning these students into college, as they represent about one in five first-time, full-time freshmen nationally.**

**CHARACTERISTICS AND DEGREE MOTIVATIONS OF FIRST-GENERATION STUDENTS**

First-generation college students continue to receive attention from researchers and policymakers hoping to better understand their college-choice process and the transition to college for this population of students. Over the past 10 years, the proportion of first-generation college students enrolling full-time in four-year institutions has hovered around 20%. In 2015, approximately 17.2% of incoming first-year students reported that they were first-generation college students, the lowest proportion of first-generation students in the history of the survey. In 2016, roughly 18.8% of the cohort of incoming students identify as first-generation college students.

The proportion of students identifying as first-generation varies considerably by sex and race/ethnicity. As shown in Table 2, about one in five women (20.3%) identify as first-generation, slightly higher than men (17.0%). Across race/ethnicity, nearly three of five Latino students (57.3%) are first-generation, roughly doubling the proportions of students who identify their race as “other” (29.1%) and Black students (27.0%). By contrast, just 1 in 10 White students (10.5%) are first-generation.

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**Table 2. % of Group Identifying as First-Generation**

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Women	20.3
Men	17.0
Native American	21.5
Asian American/Pacific Islander	18.2
Black	27.0
Latino	57.3
White	10.5
Other	29.1
Multi-racial	17.3

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**Familial support is particularly important in the college-going process for first-generation students.** Children of parents who did not attend college are often encouraged to go directly into the workforce to earn money, as parents may have less direct understanding of the social and economic benefits of a college degree (Lee, Sax, Kim, & Hagedorn, 2004). However, this year’s incoming first-year first-generation students indicated that their family plays an important role in choosing to go to college. In fact, nearly half (46.0%) of first-generation college students reported wanting to please their family as a “very important” motivation for their decision to pursue a college degree.

Although first-generation students may differ in substantive ways from their peers whose parents attended college, **both groups share similar goals for future degree attainment.** Among first-generation college students one-quarter (24.9%) reported that the highest degree they plan to obtain is a bachelor’s degree. Roughly 38.6% of first-generation students intend to get a master’s degree, and 34.7% plan on obtaining a doctoral degree (J.D., M.D., Ph.D., Professional Doctorate, etc.). This is in-line with continuing-generation college students, as 22.6% of continuing-generation students plan to get a bachelor’s degree, 41.5% plan on getting a master’s degree, and 34.9% intend on obtaining a doctoral degree.

## **MENTAL HEALTH CONCERNS MORE SEVERE AMONG STUDENTS WITH DISABILITIES, PSYCHOLOGICAL DISORDERS, AND CHRONIC ILLNESS**

Adjusting to the academic demands of college, moving away from home, or making new social connections represent just a few of the factors contributing to college students' stress, anxiety, or depression levels, especially among new students with already existing stressors such as a disability, chronic illness, or psychological disorder. The Freshman Survey asks specifically if a student has a disability or psychological disorder, and students have the ability to mark as many of the options as applied. Collectively, these items give voice to students with specific diagnoses as well as those who lack a formal diagnosis or label. Overall:

- 21.9% of incoming freshmen identified as having at least one disability/disorder.
- Roughly 16.0% of the incoming class identified with one disability.
- An additional 4.3% selected two options in this bank, with another 1.6% choosing three or more options.

Students also report how often in the past year they have felt anxious, depressed, or overwhelmed as well as their likelihood of using counseling services while in college. We find that, on each of these measures connected to students' mental health and well-being, those who identify with a disability, chronic illness, or psychological disorder report stronger expectations of utilizing counseling and more frequent feelings of anxiety, depression, and being overwhelmed.

### **HIGHER LIKELIHOOD OF COUNSELING SERVICE USE IN COLLEGE**

Students with mental health concerns anticipate greater use of counseling services. With one in five entering first-time, full-time students self-identifying with a diagnosed disability or medical condition, it may come as no surprise that college counseling centers continue to experience a rise in the number of students using their services (Misner, 2014). Although the rise in usage could indicate an increased need for such services, students may also be more inclined to access their college counseling center than in previous years. Overall, 13.9% of entering freshmen anticipate a "very good chance" of seeking personal counseling while in college. This percentage has increased steadily since the early 1990s, from a low of 3.5% in 1991.

About one in eight entering first-time, full-time students in 2016 (11.9%) reported feeling depressed "frequently" in the past year, and about a third of these students (34.0%) anticipate a "very good chance" of seeking personal counseling, which is nearly triple the rate for all freshmen (13.9%). Among the 10.7% of students who reported having a psychological disorder just over half (51.8%) have frequently felt depressed in the past year, and 35.8% anticipate there is a very good chance they will seek personal counseling (see Table 3).

**Table 3. Student Disability/Disorder by Frequency of Depression/Anxiety and Likelihood of Seeking Counseling**

	Frequently Felt Depressed	Likelihood of Seeking Counseling (very good chance)
Learning Disability	18.7	20.8
Attention deficit hyperactivity disorder (ADHD)	20.2	19.2
Autism spectrum disorder	29.7	31.4
Physical disability (speech, sight, mobility, hearing, etc.)	19.5	17.9
Chronic illness (cancer, diabetes, autoimmune disorders, etc.)	22.3	20.4
Psychological disorder (depression, etc.)	51.8	35.8
Other	24.9	23.0

Nearly a third of students with autism report a very good chance of seeking personal counseling (31.4%). Freshmen with a learning disability, ADHD or a chronic illness are all equally as likely to expect to have a very good chance they will seek counseling (20.8%, 19.2%, and 20.4%, respectively). Students with a physical disability are the least likely to anticipate seeking counseling in college (17.9% very good chance), however that proportion exceeds the national sample of first-time, full-time freshmen by four percentage points. In other words, **freshmen who frequently feel depressed or who have a disability, disorder, or chronic condition have double or triple the odds of the expectation to seek personal counseling than other freshmen.**

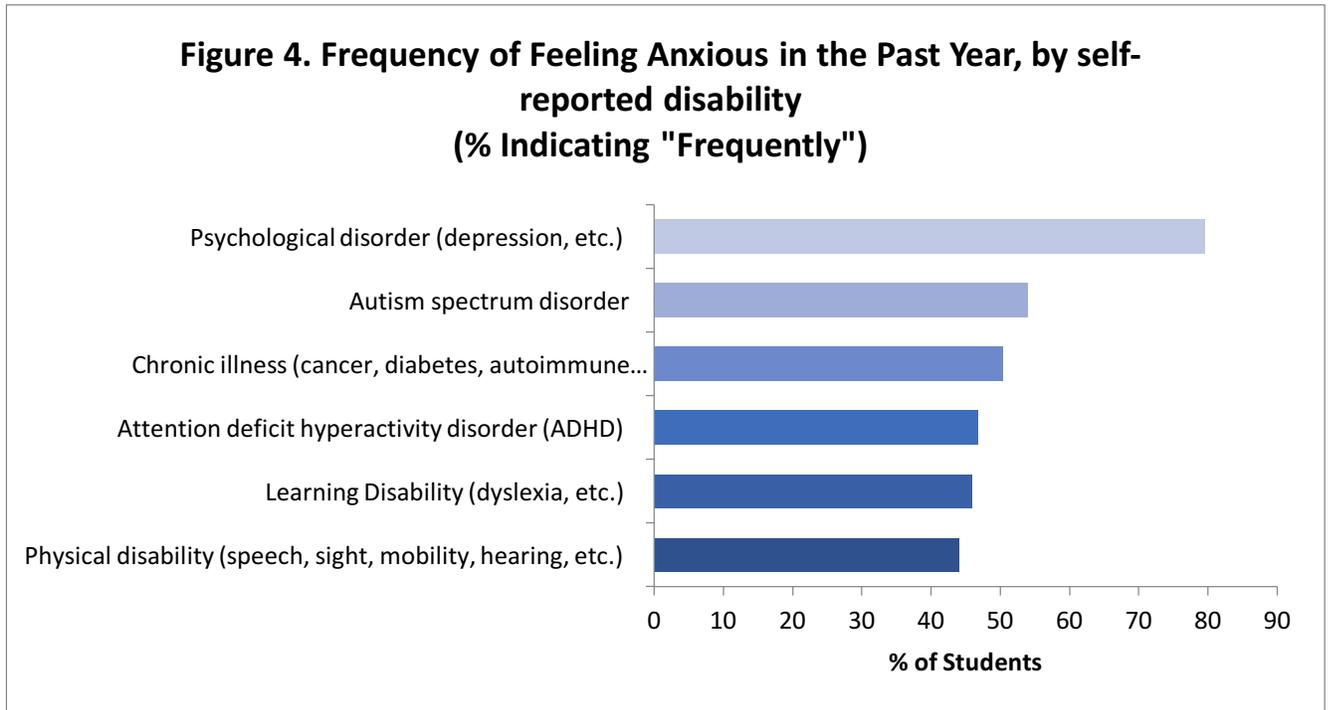
**SUGGESTED ACTION FOR INSTITUTIONS**  
**While students with a disability, ADHD, autism spectrum disorder, a chronic condition, or psychological disorder represent a small portion of the college student population overall, it is of value to understand which students may require or seek more support or intervention, thus allowing college counseling centers to tailor their services to students in need.**

**ANXIETY ALSO MORE PREVALENT AMONG STUDENTS WITH DISABILITIES, CHRONIC ILLNESSES, AND PSYCHOLOGICAL DISORDERS**

The 2016 Freshman Survey introduced an item measuring the frequency respondents felt anxious in the past year. More than one-third (34.5%) of incoming first-time, full-time college students frequently felt anxious. Students identifying with any of the disabilities, psychological disorders, or chronic illnesses listed on the instrument have a greater likelihood than other freshmen to have frequently felt anxious in the past year.

Figure 4 shows that students who reported having a psychological disorder were significantly more likely to report frequently feeling anxious (79.5%) than those with any other type of disability. However, more than half of those who reported having Autism Spectrum Disorder (53.9%) or chronic illness (50.3%) also frequently felt anxious. Of all the students who identified

with a disability, those with a physical disability were least likely to frequently feel anxious (44.0%), which is roughly 10 percentage points higher than the national sample.



### **DISAGGREGATING DIVERSITY: ENTERING TRANSGENDER, FORMER FOSTER CARE, AND MILITARY-AFFILIATED COLLEGE STUDENTS**

U.S. colleges and universities increasingly enroll students whose demographic characteristics, family backgrounds, and pre-college experiences significantly contribute to the growing diversity across higher education institutions (Eagan, Stolzenberg, Ramirez, Aragon, Suchard, & Rios-Aguilar, 2016). In the past few years, the Freshman Survey has incorporated new items that enable campuses to learn more about differences in students' gender identities, experiences with the foster care system, and prior or current affiliations with the U.S. military. In the following sections, we explore the characteristics and pre-college experiences of students who identify as transgender, report having lived in foster care or as a dependent of the court, and have a current or prior connection to the U.S. military.

**CREATIVITY, CONFIDENCE, AND COMMUNITY ENGAGEMENT  
AMONG TRANSGENDER COLLEGE STUDENTS**

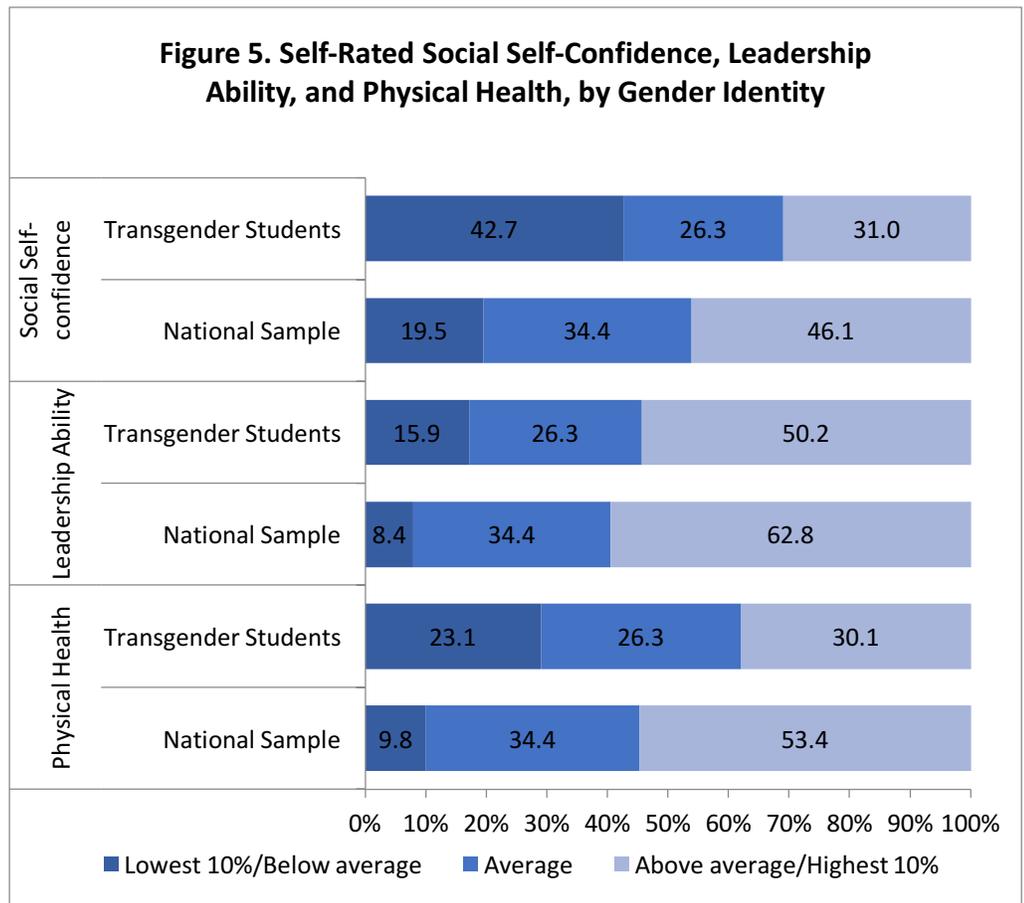
For the first time in its 50-year history, the Freshman Survey in 2015 introduced an item inviting students to identify their gender identity. The 2016 administration included responses from 702 incoming freshmen from 182 different institutions identifying as transgender. In this section, we analyze the responses from the unweighted sample of transgender students and compare those findings to the nationally normed sample of first-time, full-time students. The normed sample includes representation from transgender students who comprise about one-half of one percent of all first-time, full-time students enrolling in four-year nonprofit U.S. colleges and universities in the fall of 2016.

Differences in confidence between transgender students and the normed sample vary considerably based upon the skill or trait under examination. For example, compared to the nationally normed sample, students identifying as transgender have far greater confidence in their artistic ability

(52.0% vs. 30.7% rating “highest 10%” or “above average”) and creativity (64.0% vs. 52.6% rating “highest 10%” or “above average”). By contrast, transgender students rate themselves lower than first-time, full-time (FTFT) freshmen in the areas of social self-confidence, leadership ability, and physical health.

As shown in Figure 5, nearly half (46.1%) of FTFT freshmen rated their social self-confidence as above

average compared to 29.4% of transgender first-year students. **Of these items, the largest gap between all FTFT freshmen and transgender students appears in their self-ratings of physical health.**



Measured against the average person their age, less than one-third of transgender students in this sample (30.1%) assess their physical health as above average compared to more than half of all FTFT first-year college students (53.4%). Similarly, a 12.6 percentage-point gap in the proportion of respondents rating their leadership ability as above average exists between all FTFT freshmen (62.8%) and transgender first-year students (50.2%).

Compared to the national sample of FTFT freshmen, transgender students also report lower levels of academic self-concept, which is a composite that integrates respondents' self-rated academic ability, mathematical ability, intellectual self-confidence, and drive to achieve.

- More than one-third (35.3%) of transgender students identifying as transgender report low levels of academic self-concept (i.e., more than one-half standard deviation below the national mean) compared to 26.9% of all FTFT students.
- A smaller proportion of transgender students begin college with an average level of academic self-concept (42.7%) compared to the national sample (49.1%).

#### **TRANSGENDER STUDENTS WELL-POSITIONED FOR ACADEMIC AND WORKFORCE SUCCESS**

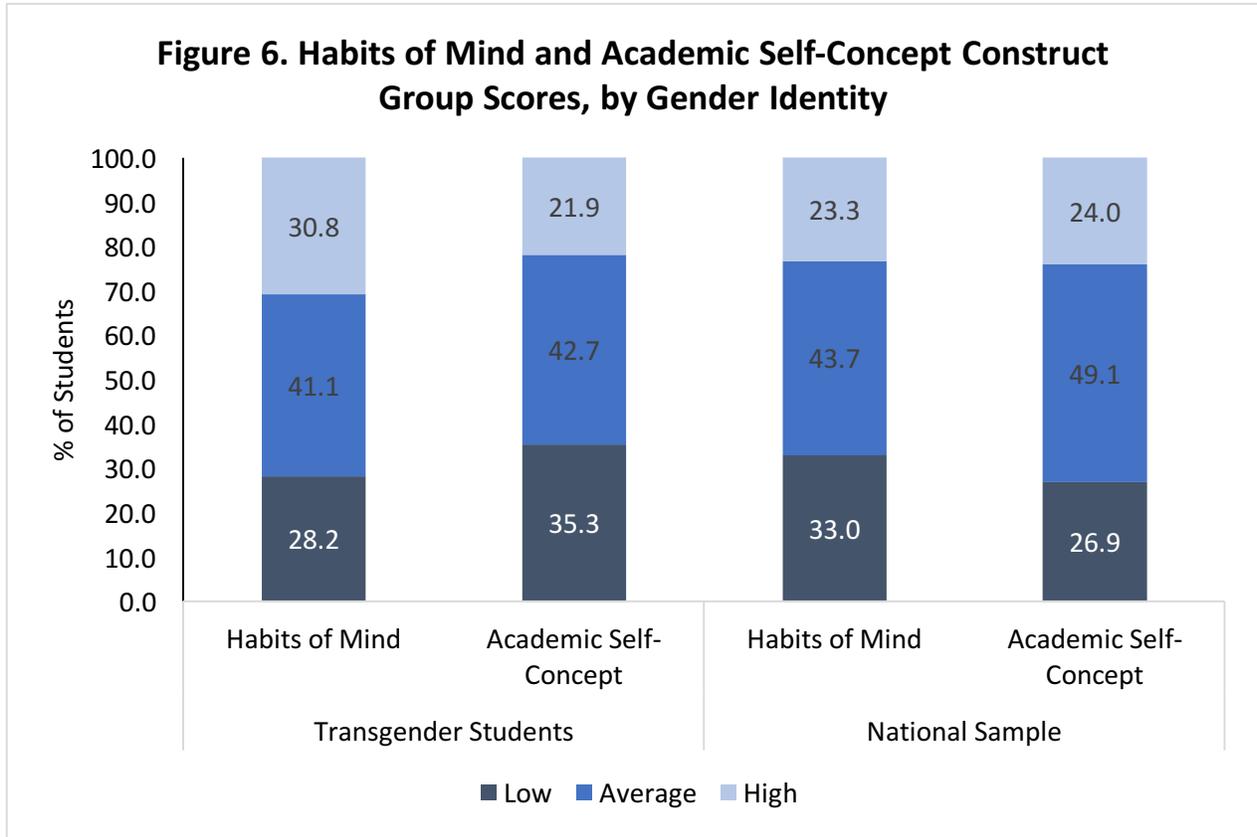
Moving from students' self-reported perceptions to behaviors offers a different pattern.

**Although transgender students in this sample report less confidence in their academic abilities, they more readily exhibit behaviors associated with habits of mind for lifelong learning.**

HERI's habits of mind construct includes a number of items connected to academic behaviors both inside and outside the classroom, including:

- Asking questions in class
- Supporting opinions with a logical argument
- Evaluating the quality and reliability of information.

As Figure 6 shows, nearly one-third of transgender students (30.8%) scored as "high" on the habits of mind composite measure compared to less than one-quarter of all FTFT students (23.3%). Transgender students were less likely than the nationally representative sample to fall into both the average (41.1% vs. 43.7%) and low groups (28.2% vs. 33.0%) on the habits of mind construct. As employers increasingly seek to hire individuals with strong critical thinking and problem solving skills (Hart Research Associates, 2013), these findings suggest that **transgender students begin college well-positioned for both academic achievement and success in the workforce.**



**TRANSGENDER STUDENTS AND SOCIAL JUSTICE**

Two other areas in which first-year transgender students appear to outpace all FTFT students include their pre-college engagement with the community and their disposition toward social justice. HERI’s civic engagement construct combines items regarding the frequency students volunteered and protested, among other items. By contrast, HERI’s social agency construct assesses the extent to which students value social and political involvement. Transgender students score significantly higher than the national sample of FTFT freshmen on both measures.

- Transgender students scored nearly one-half of a standard deviation higher in the civic engagement composite measure than all FTFT freshmen (57.23 vs. 52.63).
- The average scores for HERI’s social agency construct suggest that transgender first-year students place substantially greater emphasis on being informed about and involved with addressing social and political issues compared to the national sample of FTFT freshmen (54.03 vs. 51.65).

As college students increasingly explore, embrace, and express their gender identities, colleges and universities have an obligation to support and celebrate the ways in which these students contribute to campus and society.

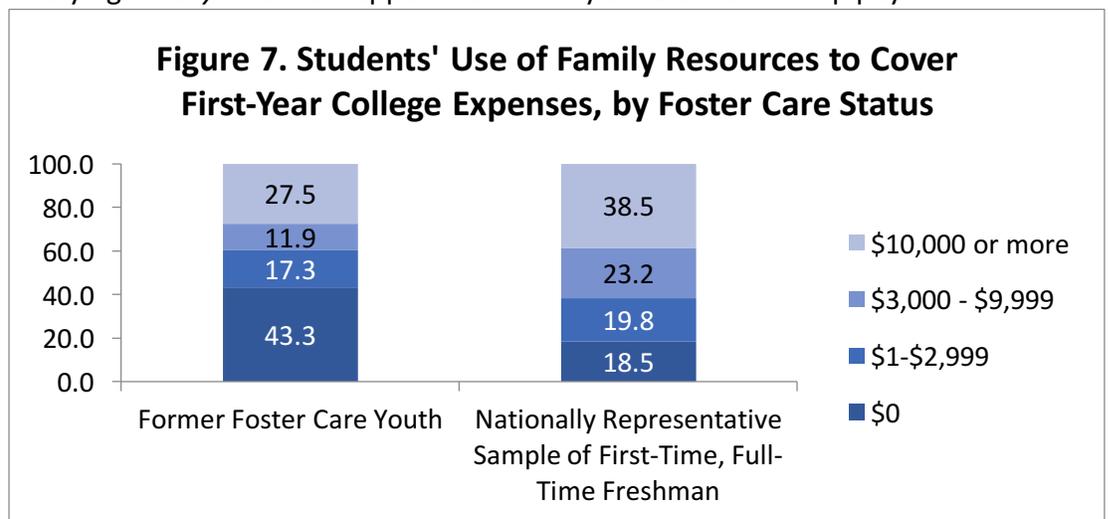
**PATHWAYS TO COLLEGE AMONG FORMER FOSTER CARE YOUTH**

The 2016 Freshman Survey introduced a new item that asked students to indicate whether they had lived in foster care or as a dependent of the court at any time since they turned 13, and more than 1,000 students (n=1,147) responded in the affirmative to this question. Given that a student who has lived in foster care after age 13 can identify as independent on the FAFSA, analyses of students' concerns about and strategies for paying for college underscore critical differences between former foster care youth and the national sample of FTFT first-year students. In this section, we refer to these students as former foster care youth and compare them to the nationally normed sample of FTFT freshmen.

As they start their college careers, nearly one-quarter of former foster care youth (23.9%) have "major" concerns about their ability to finance their college education compared to just 13.3% of all FTFT incoming students. These differences likely connect to disparities in reported family/parental income. Nearly half of first-year students with connections to the foster care system (46.5%) reported parental/family income as less than \$30,000, which nearly tripled the proportion (16.3%) of all FTFT incoming students who reported the same.

With these differences in mind, it is not surprising how **former foster care youth utilize distinct strategies to pay for college**. As Figure 7 demonstrates, former foster care youth have a greater propensity than the national sample of FTFT students to use funding from work-study opportunities (29.9% vs. 19.7%) and Pell grants (54.2% vs. 28.4%) to finance their undergraduate education. By contrast, compared to all FTFT freshmen, former foster care youth not only have a lower likelihood of relying on *any* financial support from family or relatives to help pay for college (56.7% vs. 81.5%) but they also are

much less likely to report using \$10,000 or more from family members to finance the first year of college (27.5%



vs. 38.5%). Despite relying less heavily on familial resources to finance college, **former foster care youth take out loans at lower rates than the national sample of FTFT freshmen to pay for their first year of college (48.6% vs. 55.5%).**

### **COLLEGE PREP OPPORTUNITIES LACKING FOR FORMER FOSTER YOUTH**

Like their college financing strategies, former foster care youth's pre-college preparation opportunities differ in substantive ways from the average first-time, full-time student entering college in 2016. Among the national sample of FTFT freshmen, 6.3% report having attended a high school that did not offer any Advanced Placement (AP) courses, but the proportion of former foster care youth attending similarly underserved high schools is nearly triple (17.5%). Among students who enrolled in high schools with at least one AP course, former foster youth enrolled in at least one AP course at lower rates than all FTFT incoming students (81.3% vs. 70.8%).

Generally speaking, **former foster care youth report taking fewer years of math, foreign language, and history/government than the FTFT normed sample.**

- Nearly all (89.6%) of the national sample of FTFT students completed four or more years of math in high school compared to 75.2% of former foster care youth.
- The proportions of students taking three years of foreign language in high school differed by about eight percentage points between former foster care youth (50.8%) and all FTFT freshmen (59.0%).
- Among all FTFT students in the national sample, 83.3% had three or more years of history/government compared to 71.3% of former foster care youth.

In addition to taking fewer years of math, foreign language, and history/government than FTFT students in the national sample, former foster care youth also reported lower high school GPAs. For example, former foster care youth had a lower likelihood than all FTFT freshmen of earning a high school GPA that fell within a range of A- to A+ (46.0% vs. 55.3%). These GPA differences may offer an explanation as to why former foster care youth have a higher propensity to report having participated in a summer bridge program, which focuses on college adjustment and strengthening academic skills before college. Participation among former foster care youth was nearly triple the rate of all FTFT freshmen (14.8% vs. 5.5%).

These differences may highlight disparities in access to quality high schools with more rigorous curricular offerings between incoming freshmen with links to the foster care system and the full sample of FTFT first-year students; however, these differences may also reflect the fact that, compared to the nationally representative sample of FTFT freshmen, this sample of former foster care youth tend to be:

- Older (15.4% were at least 20 years old vs. 4.2% of all FTFT);
- More likely to have previously taken courses at their current institution (9.9% vs. 5.6%);
- And more likely to have earned college credit elsewhere prior to enrolling in their current institution (19.2% vs. 11.4%).

In other words, former foster care youth may have tried addressed differences in their access to AP courses in high school and in their high school course taking patterns by taking courses elsewhere either out of necessity (to meet admissions requirements) or as a strategy to ensure their academic and perhaps even financial readiness to pursue a bachelor's degree. Given the critical ways in which former foster care youth distinguish themselves from the average FTFT first-year student, campus leaders have an obligation to assess whether and how existing policies and programs meet the needs of this population.

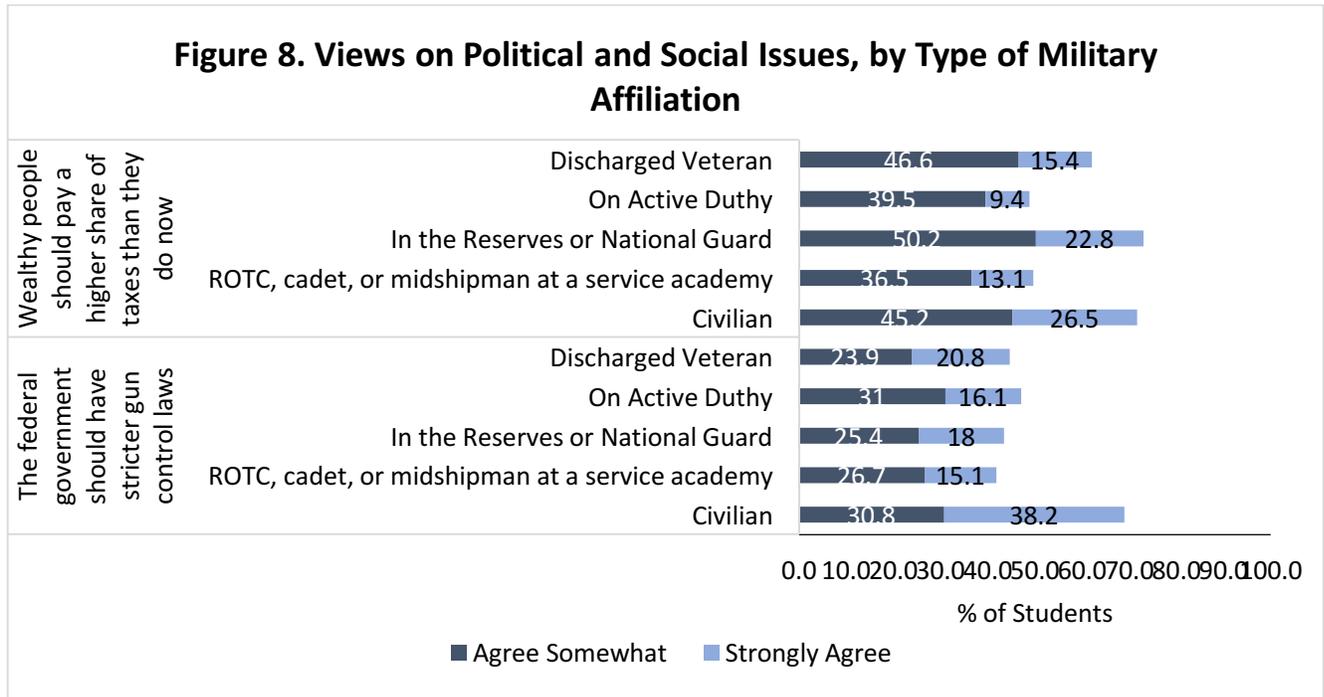
### **IDEOLOGY AND PROPENSITY TOWARD LEADERSHIP DISTINGUISH MILITARY-AFFILIATED STUDENTS**

For decades, the Freshman Survey has included an item on whether incoming students had previously served in the U.S. military, and the 2016 administration introduced the latest version of the item, which now provides even more granularity. In this section, we highlight a few of the traits that distinguish incoming first-year students currently serving in the Reserves or National Guard (n=296), those on active duty (n=218), and discharged veterans not serving on active duty or in the Reserves or National Guard (n=242) from the nationally representative sample of FTFT first-year students.

In general, military-affiliated students describe their political orientation as more conservative than all FTFT first-year students. For example, nearly half (47.7%) of incoming students on active duty describe their political orientation as either "far right" or "conservative." More than one-quarter of those in the Reserves/National Guard (29.2%) and discharged veterans (28.4%) reported the same, while only 22.2% of all FTFT students rate themselves as right-of-center.

Being further to the right in terms of their political orientations may partially explain the fact that military-affiliated students also express more conservative views on political and social issues than the national sample of FTFT incoming students. Figure 8 shows that more than two-thirds of the national sample (67.9%) agree that the federal government should have stricter gun control laws compared to less than half of each of the military-affiliated student groups. Discharged veterans' views on this item are the most conservative among military-affiliated student subgroups with just 41.2% believing the federal government should have stricter gun control laws. Views on tax policy are just as varied with half (50.0%) of those on active duty

agreeing that the wealthy should pay more taxes compared to veterans (62.1%), the national FTFT sample (70.7%), and students currently serving in the Reserves/National Guard (72.2%).



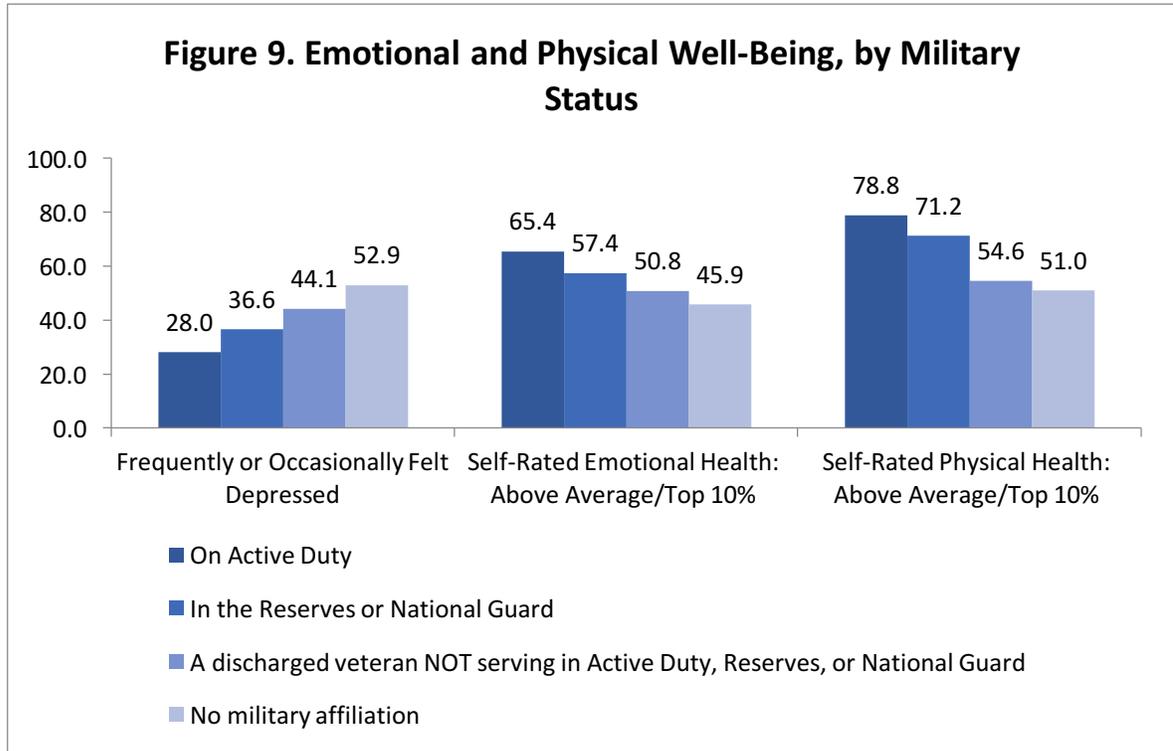
Military service often compels people to hone and display their leadership skills. Compared to the average person their age, 83.4% of incoming students serving on active duty rated their leadership skills as above average, which exceeded all other groups by at least 13 percentage points. About two-thirds of students serving in the Reserves/National Guard (66.2%) and discharged veterans (67.9%) assessed their leadership skills as above average compared to 62.8% of all FTFT incoming students.

Those currently affiliated with the military express strong inclinations toward student government participation and community engagement.

- 41.2% of students on active duty expect either “some chance” or a “very good chance” of participating in student government compared to 27.3% of discharged veterans.
- More than half of students in the Reserves/National Guard and those on active duty place great value on (54.9% rating “very important” or “essential” for both groups), which was 15.8 percentage points higher than discharged veterans (39.1%).

Similar to their beliefs about leadership, students who are discharged veterans rate themselves lower than their other military-affiliated peers on both emotional and physical health, which could be explained in part by their years of experience in the military or the fact that entering student veterans tend to be older than their peers. Figure 9 shows that 54.6% of discharged veterans rate themselves above average, nearly 17 percentage points lower than those in the

Reserves/National Guard and more than 21 percentage points lower than their peers on active duty. About half (50.8%) of discharged veterans rate themselves above average in emotional health compared to 57.4% of those in the Reserves/National Guard and 65.4% on active duty.



A greater proportion of student veterans reported feeling depressed in the past year (44.1%) compared to students on active duty (28.0%) and those in the Reserves/National Guard (36.6%). These findings further underscore the need for campuses to allocate sufficient resources to meet the mental health needs of their students, as military-affiliated students, particularly discharged veterans, begin college with significant mental and emotional health concerns.

### TIME SPENT WITH ONLINE SOCIAL NETWORKS RISES TO RECORD HIGH

For nearly three decades, the Freshman Survey has asked incoming freshmen to report how many hours per week they spend doing a variety of activities. As social media grew in popularity in the mid 2000s, HERI introduced a new item in 2007 about students' use of online social networks. From 2007 through 2015, about a quarter of students consistently reported spending six or more hours per week using social media. **In 2016, the proportion of students using social media for at least six hours per week jumped to 40.9%**, nearly 14 percentage points higher than the previous high of 27.2% reached in both 2011 and 2014.

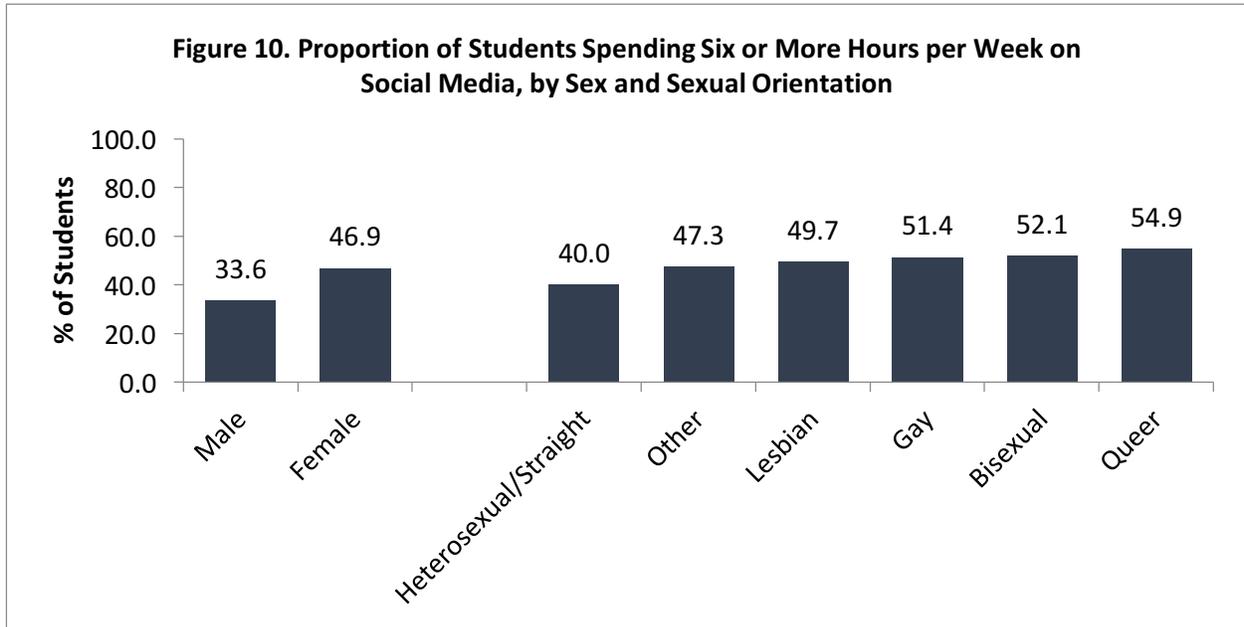
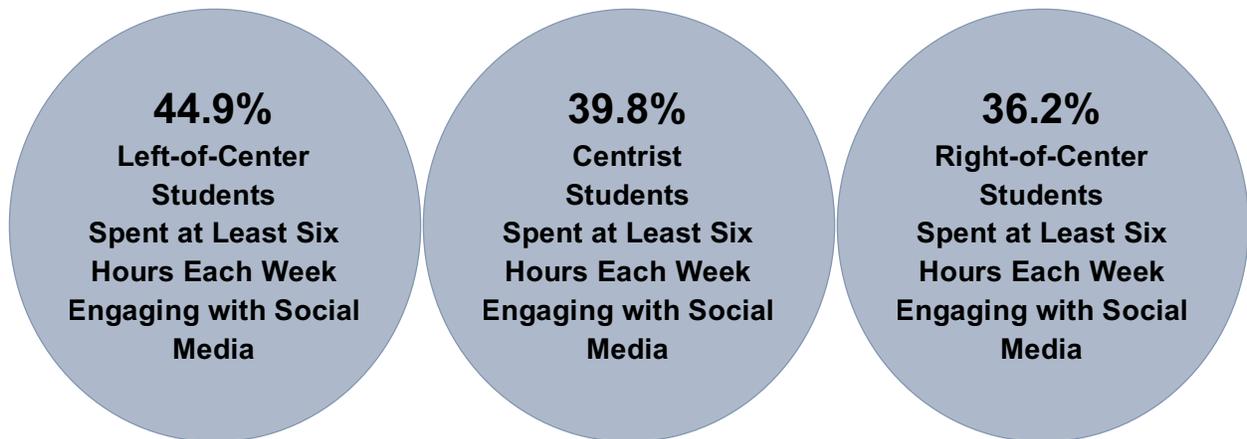


Figure 10 shows that nearly half of all female students (46.9%) spent at least six hours per week using online social networks compared to only about a third of male students (33.6%). Black (47.3%), Asian (47.2%), and multiracial (41.7%) students were more likely to spend at least six hours per week using online social networks compared to their Hispanic (39.7%), White (38.9%), and Native American (35.9%) peers. Just 40.0% of heterosexual students spent at least six hours per week engaging with online social networks, which was much lower than their gay (51.4%), lesbian (49.7%), bisexual (52.1%), and queer (54.9%) peers.

**POLITICAL IDENTITY AND ONLINE SOCIAL MEDIA PARTICIPATION**

With respect to political orientation and political engagement, 44.9% of left-leaning students spent at least six hours per week engaging with social media compared to their centrist (39.8%) and right-leaning (36.2%) peers.



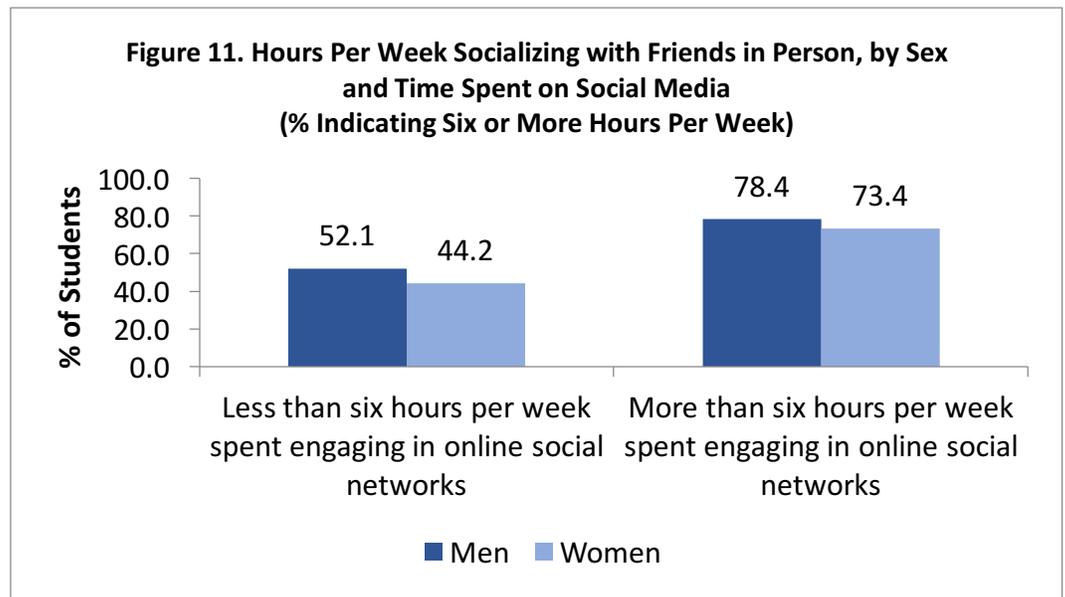
Despite the polarization exhibited during the 2016 U.S. presidential election and the proclivity to share ideas and news over social media, it may come as a surprise that, among students who spent at least six hours each week using social media, **44.8% reported that they never publicly communicated their opinion about a cause in the past year**. About one-third of incoming FTFT students (33.8%) who spent that amount of time on social media “occasionally” communicated their opinion about a cause, and 21.4% “frequently” communicated their opinion about a cause. By contrast, the frequency with which students discussed politics did not seem related to their level of engagement with online social networks.

**ONLINE SOCIAL MEDIA USE DOES NOT SUBSTITUTE FOR IN-PERSON INTERACTIONS**

FTFT students entering college this fall **do not seem to substitute more frequent use of online social networks for in-person interactions with friends**. Three-quarters (75.2%) of students who spent at least six hours per week using social media during the past year also spent at least six hours per week socializing with friends in person. By contrast, roughly half (48.2%) of students who averaged less than six hours each week connecting in online social networks also spent six or more hours socializing with their friends in person.

Figure 11 reveals some slight differences by sex. Regardless of number of hours on social media, incoming male students were more likely to socialize with friends in person than their female classmates.

More than three-quarters of men (78.4%) who engaged in online social networks for at least six hours each week also spent at least as much time socializing with friends in person, which exceeded the same figure for women by five



percentage points (73.4%). Men whose weekly time using social media averaged less than six hours tended to be more likely than women to socialize with their friends in person for at least six hours each week (52.8% vs. 44.2%).

## STUDENTS ENROLL IN COLLEGES CLOSER TO HOME

This year's incoming first-year students tended to enroll in colleges located closer to home than in previous years. Roughly 37.9% of incoming first-year students enrolled in an institution within 50 miles of their permanent residence, including 13.0% of FTFT students attending college within 10 miles of their permanent homes – nearly two percentage points higher than the 11.3% of students reporting the same in 2015.

Not only are more students attending schools closer to home but more of them are also planning to live with family members than in past years. Almost one-fifth of incoming first-year students (18.5%) plan to live with parents or relatives during their first year of college, three points higher than in 2015 (15.3%). **About two-thirds of students expecting to live with parents or relatives also considered family to be an important factor in choosing their college,** and about four out of five noted the importance of being able to live near home in their ultimate decision.

Finally, roughly three-quarters of students who expected to live with parents or relatives were accepted by their first-choice institution (76.8%); however, only half of those students (54.9%) decided to attend their first-choice institution. By contrast, students planning to live in a private room (60.9%), college residence hall (57.1%), or fraternity or sorority house (70.5%) enrolled at their first-choice institutions at much higher rates. It is unclear whether rising costs associated with living expenses and tuition, stronger familial ties, or other factors are contributing to more students planning to live with parents or relatives and attend college closer to home. However, these findings suggest that students who choose an institution closer to home and/or live with family tend to be more likely than their peers to sacrifice the opportunity of attending their first-choice college or university.



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## 2016 National Norms

### All First-Time, Full-Time Freshmen by Institutional Type

Please refer to the HERI website publications section for information on how to obtain the expanded set of tables.  
<https://heri.ucla.edu/publications-tfs/>



PRE-PUBLICATION VERSION 4-19-2017

2016 CIRP Freshman Survey

Weighted National Norms—All Respondents

All Respondents	All Bacc Institutions	Baccalaureate Institutions		4-year Colleges					Universities		Black Colleges and Universities		
		4-yr Coll	Universities	Public	Private	Nonsec	Catholic	Oth Relig	Public	Private	All HBCU	Public	Private
<b>First-time Full-time Freshmen</b>	137,456	80,323	57,133	31,040	49,283	22,673	10,397	16,213	36,882	20,251	4,911	2,304	2,607
<b>Is English your primary language?</b>													
Yes	93.5	93.5	93.5	92.7	94.6	93.0	95.4	95.7	94.0	91.4	99.0	99.2	98.6
No	6.5	6.5	6.5	7.3	5.4	7.0	4.6	4.3	6.0	8.6	1.0	0.8	1.4
<b>In what year did you graduate from high school?</b>													
2016	97.9	97.4	98.5	97.1	97.6	97.3	98.8	97.3	98.6	98.1	96.1	95.3	97.5
2015	1.5	2.0	1.1	2.1	1.8	2.1	0.9	1.9	1.0	1.4	2.5	3.2	1.4
2014 or earlier	0.5	0.6	0.4	0.7	0.5	0.5	0.2	0.6	0.4	0.4	1.2	1.3	1.0
Did not graduate but passed G.E.D. test	0.1	0.1	0.0	0.1	0.1	0.1	0.0	0.1	0.0	0.1	0.1	0.2	0.1
<b>Are you enrolled (or enrolling) as a:</b>													
Full-time student	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Part-time student	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
<b>How many miles is this college from your permanent home?</b>													
5 or less	5.4	7.1	3.5	9.0	4.9	4.1	7.6	4.4	3.5	3.5	5.7	5.8	5.5
6 to 10	7.6	9.7	5.4	13.0	5.7	4.3	10.9	4.5	5.6	4.7	5.7	4.7	7.3
11 to 50	24.9	28.2	21.4	34.2	21.0	17.6	29.1	20.4	21.8	19.7	16.5	17.5	14.8
51 to 100	15.1	14.2	16.0	12.7	16.1	17.8	14.7	15.1	17.7	8.6	17.0	22.9	6.9
101 to 500	29.7	23.9	35.8	19.5	29.2	28.8	23.0	32.6	38.8	23.3	29.9	33.5	23.7
Over 500	17.3	16.9	17.8	11.6	23.1	27.3	14.7	23.0	12.6	40.2	25.2	15.7	41.8
<b>What was your average grade in high school?</b>													
A or A+	27.7	22.7	33.0	19.5	26.6	25.6	24.9	28.4	31.6	39.1	13.6	11.3	17.8
A-	27.4	23.8	31.1	21.8	26.2	27.1	26.6	25.0	31.0	31.6	12.9	10.6	16.9
B+	20.3	22.0	18.5	23.1	20.6	21.0	23.7	18.7	19.3	15.2	22.9	22.1	24.3
B	17.1	21.3	12.7	24.9	16.8	17.4	16.9	16.2	13.3	10.1	23.8	25.0	21.7
B-	4.9	6.5	3.2	7.0	5.9	5.8	5.1	6.3	3.3	2.7	13.2	14.9	10.3
C+	1.8	2.7	1.0	2.6	2.7	2.1	2.1	3.5	1.0	0.9	8.9	10.8	5.5
C	0.8	1.1	0.4	1.1	1.2	1.1	0.5	1.8	0.4	0.3	4.4	5.0	3.4
D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.2
<b>Prior to this term, have you ever taken courses for credit at this institution?</b>													
Yes	5.6	6.5	4.6	7.1	5.8	5.1	5.3	6.7	4.8	3.9	10.4	9.8	11.4
No	94.4	93.5	95.4	92.9	94.2	94.9	94.7	93.3	95.2	96.1	89.6	90.2	88.6
<b>Since leaving high school, have you ever taken courses, whether for credit or not for credit, at any other institution (university, 4- or 2-year college, technical, vocational, or business school)?</b>													
Yes	11.4	11.8	11.0	11.9	11.7	10.6	10.5	13.6	11.2	10.1	16.6	15.3	19.0
No	88.6	88.2	89.0	88.1	88.3	89.4	89.5	86.4	88.8	89.9	83.4	84.7	81.0
<b>Where do you plan to live during the fall term?</b>													
With my family or other relatives	18.5	25.4	11.2	36.8	11.6	8.5	21.7	9.6	11.8	8.6	8.7	7.4	10.9
Other private home, apartment, or room	3.0	1.8	4.3	2.4	1.0	1.2	0.9	0.8	5.1	1.1	2.6	2.5	2.6
College residence hall	74.8	69.6	80.3	56.4	85.7	88.3	76.5	87.7	78.3	88.9	86.1	87.5	83.7
Fraternity or sorority house	0.8	0.2	1.5	0.1	0.4	0.8	0.1	0.1	1.8	0.1	0.0	0.0	0.0
Other campus student housing	2.5	2.6	2.5	3.9	1.1	0.9	0.6	1.4	2.8	1.1	2.0	1.8	2.3
Other	0.3	0.4	0.3	0.4	0.3	0.3	0.2	0.3	0.3	0.1	0.6	0.7	0.5

## PRE-PUBLICATION VERSION 4-19-2017

## 2016 CIRP Freshman Survey

## Weighted National Norms—All Respondents

All Respondents	All Bacc Institutions	Baccalaureate Institutions		4-year Colleges					Universities		Black Colleges and Universities		
		4-yr Coll	Universities	Public	Private	Nonsec	Catholic	Oth Relig	Public	Private	All HBCU	Public	Private
<b>To how many colleges other than this one did you apply for admission this year?</b>													
None	10.8	11.4	10.1	11.2	11.8	11.1	8.3	14.2	10.8	6.9	7.3	8.1	5.9
1	7.7	7.6	7.8	8.0	7.2	5.7	5.6	9.4	8.6	4.2	5.0	5.8	3.5
2	10.2	10.3	10.1	10.6	10.0	7.8	8.6	13.0	11.1	5.6	9.9	10.9	8.0
3	13.9	15.1	12.7	16.6	13.3	11.4	12.1	15.8	13.6	8.8	16.6	17.2	15.6
4	12.0	12.9	10.9	13.9	11.7	11.0	12.1	12.3	11.4	9.1	14.3	14.1	14.6
5	10.1	10.4	9.8	10.3	10.7	11.1	11.8	9.6	9.8	9.4	11.4	11.2	11.7
6	7.8	7.9	7.7	7.6	8.4	9.0	10.4	6.8	7.5	8.7	8.7	8.5	8.9
7 to 8	13.0	12.2	13.8	12.4	12.1	14.1	14.3	8.9	13.1	16.9	11.5	11.1	12.3
9 to 10	7.5	6.4	8.7	5.5	7.4	9.2	8.8	5.0	7.5	13.7	6.6	5.6	8.4
11 or more	7.0	5.6	8.5	4.1	7.5	9.7	8.1	4.9	6.6	16.7	8.7	7.4	11.0
<b>Were you accepted by your first choice college?</b>													
Yes	74.7	76.6	72.6	73.2	80.8	78.1	80.2	83.9	74.1	65.8	76.5	76.8	75.9
No	25.3	23.4	27.4	26.8	19.2	21.9	19.8	16.1	25.9	34.2	23.5	23.2	24.1
<b>Is this college your:</b>													
First choice	56.8	56.9	56.7	54.3	59.9	57.6	57.0	63.8	57.5	53.1	40.3	39.7	41.3
Second choice	26.9	27.2	26.6	28.8	25.2	26.2	27.8	22.8	26.5	26.8	33.1	32.5	34.1
Third choice	10.2	10.3	10.2	10.9	9.5	10.4	10.0	8.4	9.8	12.1	16.2	16.6	15.3
Less than third choice	6.1	5.7	6.5	6.0	5.3	5.8	5.2	4.9	6.2	8.0	10.5	11.2	9.3
<b>Citizenship status:</b>													
U.S. citizen	95.3	95.6	94.9	96.1	95.1	93.2	97.0	96.1	95.9	90.8	98.3	98.1	98.5
Permanent resident (green card)	1.9	1.8	2.0	2.3	1.3	1.6	1.3	0.9	2.1	1.9	0.5	0.5	0.5
International student (F-1, J-1, or M-1 visa)	2.1	1.6	2.5	0.4	3.1	4.7	1.1	2.6	1.5	6.9	1.1	1.2	0.9
None of the above	0.7	1.0	0.5	1.3	0.5	0.6	0.6	0.4	0.5	0.3	0.2	0.2	0.1
<b>Please mark the sex of your parent(s) or guardian(s).</b>													
<b>Parent/Guardian 1</b>													
Female	41.6	44.3	38.7	45.2	43.2	44.8	44.5	40.9	38.9	38.0	71.3	72.4	69.4
Male	58.4	55.7	61.3	54.8	56.8	55.2	55.5	59.1	61.1	62.0	28.7	27.6	30.6
<b>Parent/Guardian 2</b>													
Female	62.6	60.9	64.3	60.9	60.9	59.3	58.9	63.4	64.2	64.6	38.4	38.5	38.2
Male	37.4	39.1	35.7	39.1	39.1	40.7	41.1	36.6	35.8	35.4	61.6	61.5	61.8
<b>Please mark which of the following courses you have completed:</b>													
Algebra II	98.3	97.8	98.7	98.3	97.2	97.2	98.0	96.7	99.0	97.7	94.3	93.4	95.7
Pre-calculus/Trigonometry	84.9	80.2	89.5	79.6	80.9	83.9	83.9	76.3	89.0	91.8	68.2	62.9	76.3
Probability & Statistics	35.1	33.3	37.0	31.5	35.3	38.2	31.5	34.5	36.5	38.8	23.9	23.1	25.1
Calculus	38.9	30.1	47.3	27.7	32.8	38.5	30.7	27.9	45.7	53.8	15.8	12.5	20.5
AP Probability & Statistics	23.7	17.2	29.9	17.1	17.3	20.5	14.2	15.9	29.9	29.7	8.5	5.9	12.2
AP Calculus	38.3	27.3	48.6	29.0	25.3	29.3	22.3	23.0	47.5	52.9	12.5	8.4	18.1
AP Computer Science	6.1	3.6	8.4	4.3	2.9	3.6	2.2	2.6	8.3	9.1	2.3	2.2	2.5
<b>How many weeks this summer did you participate in a bridge program at this institution?</b>													
Zero	94.5	92.6	96.4	91.0	94.6	94.0	96.1	94.6	96.4	96.3	91.0	93.4	86.7
One to two	1.9	2.7	1.2	2.2	3.2	3.7	2.3	3.2	0.9	2.5	1.5	1.0	2.4
Three to four	1.3	2.3	0.3	3.1	1.3	1.7	1.0	1.2	0.3	0.6	3.0	2.3	4.0
Five to six	1.5	2.0	1.1	3.1	0.7	0.5	0.5	0.9	1.2	0.4	4.3	3.1	6.4
Seven or more	0.7	0.4	1.1	0.6	0.2	0.2	0.1	0.1	1.3	0.2	0.2	0.1	0.4

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All Respondents	All Bacc Institutions	Baccalaureate Institutions		4-year Colleges					Universities		Black Colleges and Universities		
		4-yr Coll	Universities	Public	Private	Nonsec	Catholic	Oth Relig	Public	Private	All HBCU	Public	Private
<b>During high school (grades 9-12) how many years did you study each of the following subjects?</b>													
Mathematics (3 years)	98.6	98.1	99.1	98.2	98.0	98.2	98.7	97.6	99.1	98.8	95.2	94.5	96.3
Foreign Language (2 years)	93.2	92.4	94.0	93.3	91.2	91.6	94.0	89.4	93.4	96.2	82.1	79.1	87.5
Physical Science (2 years)	61.7	58.7	64.7	59.4	57.9	60.6	59.7	54.3	63.8	68.8	42.2	39.9	46.2
Biological Science (2 years)	51.6	48.1	55.3	45.9	50.8	51.1	51.5	50.0	55.2	55.7	40.6	37.8	45.6
History/Am. Gov't (1 year)	98.5	98.3	98.8	98.3	98.2	98.1	99.0	98.0	98.9	98.1	96.4	95.8	97.4
Computer Science (1/2 year)	38.5	38.7	38.3	36.8	40.9	39.2	40.4	42.9	39.2	34.4	38.9	37.7	40.8
Arts and/or Music (1 year)	81.2	82.5	79.9	84.1	80.6	79.6	80.7	81.6	79.2	82.9	76.6	73.9	81.4
<b>How many Advanced Placement/International Baccalaureate courses did you take in high school?</b>													
<b>AP Courses</b>													
Not offered at my high school	6.4	7.4	5.3	5.4	9.8	9.7	6.7	11.4	4.7	7.7	9.1	10.2	7.2
None	17.6	24.6	10.4	24.2	25.0	22.5	27.7	26.3	10.5	9.8	38.2	43.5	29.0
1 to 4	45.3	48.1	42.5	49.6	46.2	46.7	49.0	44.4	43.7	37.0	44.1	40.2	50.8
5 to 9	25.7	17.4	34.3	18.2	16.5	18.4	15.0	15.3	33.8	36.5	7.0	4.5	11.2
10 to 14	4.6	2.3	7.0	2.4	2.1	2.4	1.4	2.1	6.8	8.2	1.1	1.1	1.1
15+	0.4	0.3	0.5	0.3	0.4	0.3	0.2	0.5	0.5	0.8	0.6	0.5	0.7
<b>IB Courses</b>													
Not offered at my high school	61.7	56.5	67.2	53.6	59.8	60.9	59.9	58.7	66.5	70.0	44.4	41.1	49.9
None	29.8	36.5	22.7	39.7	33.0	31.3	34.2	34.0	23.8	18.1	47.8	52.0	40.9
1 to 4	3.4	3.7	3.0	3.7	3.6	3.3	3.3	4.2	3.0	3.3	4.1	3.6	5.0
5 to 9	3.6	2.3	5.0	2.0	2.6	3.4	1.7	2.3	4.5	6.9	2.0	1.6	2.6
10 to 14	0.9	0.6	1.3	0.5	0.6	0.8	0.5	0.5	1.4	1.1	0.6	0.4	1.0
15+	0.6	0.4	0.8	0.5	0.4	0.4	0.3	0.4	0.9	0.6	1.1	1.3	0.6
<b>At any time since you turned 13, were you in foster care or were you a dependent of the court?</b>													
No	98.5	98.3	98.6	98.4	98.3	98.2	99.0	98.1	98.7	98.2	97.5	97.3	97.9
Yes	0.6	0.7	0.5	0.7	0.6	0.6	0.4	0.8	0.5	0.6	1.3	1.5	1.0
I don't know	0.9	1.0	0.8	0.9	1.1	1.2	0.7	1.1	0.8	1.2	1.2	1.2	1.0
<b>Do you consider yourself:</b>													
Pre-Med	20.5	18.2	22.9	17.5	19.1	17.9	23.4	18.2	23.2	21.5	31.3	28.7	35.9
Pre-Law	6.7	6.3	7.1	6.2	6.3	6.9	6.2	5.7	6.4	9.9	12.2	11.9	12.7
<b>Your intended major:</b>													
<b>Arts and Humanities</b>													
Art, fine and applied	1.3	1.7	0.9	1.7	1.6	1.8	0.9	1.6	0.9	0.7	0.7	0.4	1.2
English (language and literature)	1.3	1.4	1.2	1.4	1.5	1.9	1.1	1.3	1.1	1.5	0.7	0.4	1.2
History	0.9	1.1	0.7	1.1	1.0	1.1	0.7	1.0	0.7	0.8	0.4	0.5	0.4
Journalism/Communication	2.1	2.1	2.2	2.0	2.2	2.2	2.0	2.4	1.9	3.3	3.4	3.6	3.0
Classical and Modern Languages and Literature	0.3	0.3	0.3	0.2	0.3	0.4	0.1	0.4	0.3	0.2	0.1	0.2	0.0
Media/Film Studies	1.1	1.4	0.8	1.6	1.2	0.9	0.3	2.0	0.6	1.7	1.7	0.5	3.9
Music	1.3	1.6	1.0	1.3	1.9	1.3	0.5	3.1	0.9	1.3	1.3	1.3	1.2
Philosophy	0.3	0.3	0.3	0.3	0.3	0.4	0.4	0.3	0.2	0.4	0.3	0.2	0.5
Theatre/Drama	0.9	1.1	0.8	1.0	1.2	1.1	0.7	1.5	0.7	1.1	0.6	0.4	0.9
Theology/Religion	0.3	0.4	0.2	0.2	0.7	0.3	0.4	1.3	0.1	0.5	0.2	0.2	0.3
Other Arts and Humanities	0.9	0.9	0.8	1.0	0.9	0.9	0.5	1.0	0.8	1.0	0.8	0.5	1.2

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		4-yr Coll	Universities	Public	Private	Nonsec	Catholic	Oth Relig	Public	Private	All HBCU	Public	Private
<b>Your intended major (continued):</b>													
<b>Biological &amp; Life Sciences</b>													
Biology (general)	8.1	6.7	9.5	5.9	7.7	6.9	11.3	6.5	9.8	8.0	12.3	7.7	20.3
Animal Biology (zoology)	0.7	0.8	0.7	0.8	0.8	1.2	0.5	0.6	0.8	0.2	0.5	0.5	0.3
Ecology & Evolutionary Biology	0.1	0.1	0.2	0.1	0.1	0.2	0.0	0.1	0.2	0.2	0.0	0.0	0.0
Marine Biology	0.6	0.9	0.3	0.9	0.9	1.2	0.2	0.9	0.3	0.3	0.2	0.1	0.4
Microbiology	0.3	0.2	0.4	0.3	0.1	0.1	0.1	0.1	0.5	0.1	0.1	0.1	0.0
Molecular, Cellular, & Developmental Biology	0.6	0.4	0.8	0.4	0.3	0.4	0.3	0.3	0.8	0.8	0.1	0.1	0.2
Neurobiology/Neuroscience	1.4	0.8	2.1	0.3	1.3	1.5	1.2	1.1	1.9	2.7	0.9	1.1	0.5
Plant Biology (botany)	0.1	0.1	0.2	0.1	0.1	0.2	0.0	0.1	0.2	0.1	0.2	0.2	0.1
Agriculture/Natural Resources	0.5	0.4	0.7	0.4	0.3	0.4	0.0	0.4	0.8	0.2	0.7	1.1	0.2
Biochemistry/Biophysics	1.7	1.1	2.4	1.0	1.2	1.4	1.2	1.1	2.5	1.7	0.5	0.3	0.8
Environmental Science	0.9	1.0	0.9	0.8	1.2	1.9	0.5	1.0	0.9	0.7	0.1	0.1	0.0
Other Biological Science	0.7	0.5	1.0	0.4	0.6	0.8	0.5	0.4	1.1	0.7	0.2	0.0	0.5
<b>Business</b>													
Accounting	1.7	2.0	1.4	1.9	2.2	1.7	3.4	2.0	1.3	1.8	1.9	2.1	1.5
Business Administration (general)	2.5	2.8	2.3	2.3	3.3	2.5	2.7	4.4	1.9	3.9	3.2	2.9	3.7
Entrepreneurship	0.7	0.6	0.7	0.5	0.9	1.1	0.4	0.9	0.6	1.2	1.2	1.4	1.0
Finance	2.3	1.6	3.1	1.3	2.1	2.0	3.7	1.3	2.8	4.1	1.1	0.8	1.6
Hospitality/Tourism	0.3	0.4	0.2	0.7	0.0	0.0	0.0	0.1	0.3	0.1	0.1	0.1	0.1
Human Resources Management	0.2	0.2	0.1	0.3	0.1	0.1	0.2	0.1	0.1	0.2	0.1	0.0	0.2
International Business	0.7	0.8	0.7	0.5	1.1	1.4	1.1	0.7	0.5	1.6	0.3	0.2	0.4
Marketing	2.1	2.2	2.0	2.1	2.3	2.2	3.5	1.8	1.9	2.4	2.1	2.0	2.4
Management	2.1	2.7	1.5	2.9	2.5	2.4	3.0	2.3	1.5	1.8	4.1	4.8	2.9
Computer/Management Information Systems	0.3	0.3	0.3	0.4	0.3	0.2	0.2	0.3	0.3	0.3	0.3	0.3	0.1
Real Estate	0.2	0.3	0.2	0.3	0.2	0.1	0.2	0.3	0.2	0.2	0.3	0.5	0.1
Other Business	0.7	0.7	0.6	0.3	1.1	1.0	1.0	1.3	0.6	0.8	0.3	0.4	0.3
<b>Education</b>													
Elementary Education	1.8	2.4	1.2	2.3	2.5	1.5	2.6	3.4	1.3	0.8	1.4	1.5	1.1
Music/Art Education	0.5	0.7	0.3	0.7	0.7	0.4	0.3	1.2	0.4	0.1	0.3	0.5	0.1
Physical Education/Recreation	0.3	0.3	0.2	0.2	0.5	0.3	0.2	0.8	0.2	0.0	0.7	0.7	0.7
Secondary School Teacher in a non-STEM subject	1.0	1.1	0.8	0.9	1.4	1.0	1.7	1.5	0.9	0.5	0.9	1.4	0.1
Special Education	0.7	0.8	0.5	0.7	0.8	0.7	0.8	0.9	0.5	0.5	0.5	0.6	0.4
Other Education	0.3	0.4	0.3	0.4	0.4	0.3	0.3	0.5	0.3	0.2	0.3	0.4	0.2
<b>Engineering</b>													
Aerospace/Aeronautical/Astronautical Engineering	0.8	1.1	0.5	2.0	0.1	0.2	0.1	0.1	0.5	0.3	0.2	0.2	0.2
Biological/Agricultural Engineering	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.2	0.0
Biomedical Engineering	1.0	0.5	1.6	0.5	0.4	0.6	0.4	0.3	1.5	1.9	0.8	0.6	1.1
Chemical Engineering	0.9	0.4	1.4	0.5	0.2	0.2	0.2	0.2	1.5	1.0	0.3	0.1	0.7
Civil Engineering	1.0	1.1	1.0	1.6	0.5	0.4	0.7	0.4	1.1	0.5	0.5	0.6	0.3
Computer Engineering	1.2	0.8	1.6	1.2	0.4	0.5	0.3	0.5	1.8	0.9	0.7	0.5	1.1
Electrical/Electronic Communications Engineering	1.1	0.9	1.2	1.2	0.6	0.8	0.8	0.4	1.4	0.7	0.9	0.9	0.8
Engineering Science/Engineering Physics	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.2	0.1	0.3	0.1	0.0	0.2
Environmental/Environmental Health Engineering	0.3	0.2	0.4	0.3	0.2	0.3	0.1	0.1	0.4	0.3	0.2	0.3	0.1
Industrial/Manufacturing Engineering	0.3	0.3	0.4	0.3	0.2	0.3	0.1	0.3	0.4	0.3	1.2	1.8	0.1
Materials Engineering	0.3	0.2	0.4	0.3	0.2	0.2	0.2	0.2	0.4	0.2	0.2	0.2	0.0
Mechanical Engineering	3.0	2.3	3.8	3.1	1.3	1.3	1.7	1.2	4.2	2.0	0.8	0.6	1.2
Other Engineering	0.6	0.7	0.6	0.9	0.4	0.5	0.4	0.4	0.6	0.5	0.4	0.6	0.2

PRE-PUBLICATION VERSION 4-19-2017

2016 CIRP Freshman Survey

Weighted National Norms—All Respondents

All Respondents	All Bacc Institutions	Baccalaureate Institutions		4-year Colleges					Universities		Black Colleges and Universities		
		4-yr Coll	Universities	Public	Private	Nonsec	Catholic	Oth Relig	Public	Private	All HBCU	Public	Private
<b>Your intended major (continued):</b>													
<b>Health Professions</b>													
Clinical Laboratory Science	0.1	0.1	0.1	0.1	0.1	0.2	0.1	0.1	0.1	0.1	0.2	0.3	0.1
Health Care Administration/Studies	0.4	0.4	0.3	0.4	0.4	0.4	0.4	0.4	0.3	0.5	0.3	0.4	0.1
Health Technology	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.0
Kinesiology	1.6	1.9	1.2	2.6	1.2	0.7	0.4	2.1	1.3	0.8	2.3	2.8	1.3
Nursing	4.8	5.9	3.7	5.4	6.5	3.4	13.5	6.2	4.1	2.0	9.2	13.3	2.0
Pharmacy	0.6	0.5	0.7	0.2	0.9	1.0	1.2	0.6	0.6	1.0	1.7	0.3	4.1
Therapy (occupational, physical, speech)	1.8	2.3	1.3	2.0	2.7	2.6	2.1	3.1	1.3	1.0	3.5	4.8	1.3
Other Health Profession	1.9	2.1	1.7	1.8	2.6	2.6	2.1	2.8	1.7	1.7	1.2	1.1	1.5
<b>Math and Computer Science</b>													
Computer Science	3.7	3.1	4.4	3.8	2.3	2.7	1.9	2.1	4.5	3.7	3.2	2.9	3.6
Mathematics/Statistics	1.7	1.5	1.8	1.6	1.3	1.7	0.8	1.3	1.9	1.5	0.7	0.8	0.6
Other Math and Computer Science	0.4	0.3	0.4	0.4	0.3	0.4	0.1	0.4	0.4	0.5	0.2	0.2	0.2
<b>Physical Science</b>													
Astronomy & Astrophysics	0.2	0.1	0.3	0.1	0.1	0.1	0.0	0.2	0.3	0.1	0.0	0.0	0.0
Atmospheric Science	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.1	0.1	0.0	0.0	0.0	0.0
Chemistry	1.3	1.1	1.5	1.1	1.0	1.1	1.5	0.7	1.5	1.3	1.5	1.0	2.5
Earth & Planetary Sciences	0.2	0.1	0.2	0.1	0.1	0.1	0.1	0.1	0.3	0.1	0.0	0.0	0.0
Marine Sciences	0.1	0.2	0.1	0.2	0.1	0.2	0.0	0.2	0.1	0.1	0.1	0.2	0.0
Physics	0.7	0.5	0.8	0.5	0.5	0.7	0.3	0.4	0.9	0.7	0.2	0.1	0.4
Other Physical Science	0.1	0.1	0.1	0.1	0.2	0.3	0.1	0.2	0.1	0.1	0.1	0.2	0.0
<b>Social Science</b>													
Anthropology	0.3	0.3	0.3	0.3	0.3	0.4	0.0	0.2	0.3	0.3	0.0	0.1	0.0
Economics	1.1	0.7	1.5	0.5	0.9	1.7	0.3	0.4	1.4	2.1	0.2	0.1	0.3
Ethnic/Cultural Studies	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.2	0.1	0.1	0.0	0.0	0.0
Geography	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0
Political Science (gov't., international relations)	3.0	2.4	3.6	2.3	2.5	3.3	2.1	1.9	3.1	6.1	2.5	1.8	3.7
Psychology	4.4	4.8	4.0	4.8	4.9	5.1	4.6	4.9	4.1	3.8	6.8	6.4	7.5
Public Policy	0.2	0.1	0.2	0.0	0.1	0.2	0.0	0.1	0.2	0.4	0.1	0.1	0.1
Social Work	0.5	0.7	0.4	0.8	0.5	0.4	0.5	0.6	0.4	0.4	2.5	3.0	1.8
Sociology	0.7	0.8	0.5	1.1	0.5	0.6	0.6	0.5	0.4	0.7	0.9	0.8	1.0
Women's/Gender Studies	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.1	0.1	0.1	0.0	0.0	0.1
Other Social Science	0.3	0.3	0.4	0.3	0.2	0.3	0.2	0.3	0.4	0.5	0.1	0.0	0.2
<b>Other Majors</b>													
Architecture/Urban Planning	0.5	0.5	0.5	0.5	0.6	0.8	0.7	0.3	0.4	0.6	0.1	0.1	0.1
Criminal Justice	2.3	3.2	1.4	3.6	2.6	2.9	1.9	2.7	1.5	1.1	5.7	6.9	3.7
Library Science	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Security & Protective Services	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Military Sciences/Technology/Operations	0.1	0.1	0.0	0.2	0.0	0.0	0.1	0.1	0.0	0.0	0.1	0.1	0.0
Other	2.2	2.6	1.8	2.2	3.0	2.9	1.4	4.0	1.7	2.1	2.0	2.4	1.2
Undecided	8.6	8.4	8.7	8.5	8.3	9.8	9.0	6.4	8.8	8.7	2.6	2.9	2.0

## PRE-PUBLICATION VERSION 4-19-2017

## 2016 CIRP Freshman Survey

## Weighted National Norms—All Respondents

All Respondents	All Bacc Institutions	Baccalaureate Institutions		4-year Colleges					Universities		Black Colleges and Universities		
		4-yr Coll	Universities	Public	Private	Nonsec	Catholic	Oth Relig	Public	Private	All HBCU	Public	Private
<b>Your intended career occupation</b>													
Actor or Entertainer	1.2	1.4	1.0	1.4	1.4	1.3	0.8	1.9	0.8	1.5	1.4	0.9	2.4
Artist	0.8	1.1	0.5	1.2	1.0	1.4	0.6	0.8	0.5	0.5	0.4	0.2	0.8
Graphic Designer	0.8	1.1	0.5	1.3	1.0	0.9	0.6	1.3	0.5	0.6	0.7	0.7	0.6
Musician	1.5	1.8	1.1	1.8	1.9	1.5	0.6	3.0	1.0	1.4	1.6	1.8	1.2
Writer/Producer/Director	1.9	2.3	1.5	2.2	2.4	2.3	1.0	3.3	1.2	2.7	1.8	1.3	2.6
Farmer or Forester	0.3	0.4	0.3	0.4	0.3	0.3	0.1	0.4	0.3	0.2	0.7	0.6	0.9
Natural Resource Specialist/Environmentalist	0.7	0.8	0.7	0.7	0.9	1.0	0.3	1.0	0.8	0.3	0.6	0.7	0.5
Accountant	1.4	1.6	1.2	1.4	1.9	1.6	3.2	1.5	1.1	1.5	1.1	1.2	1.0
Administrative Assistant	0.3	0.4	0.2	0.3	0.4	0.3	0.3	0.6	0.2	0.3	0.3	0.2	0.4
Business Manager/Executive	2.8	2.7	3.0	2.4	3.1	3.0	2.9	3.2	2.6	4.3	2.3	2.5	2.1
Business Owner/Entrepreneur	2.6	2.6	2.5	2.5	2.8	3.0	2.6	2.6	2.2	4.0	4.0	3.9	4.1
Retail Sales	0.5	0.6	0.5	0.7	0.4	0.4	0.4	0.5	0.5	0.4	1.4	1.3	1.5
Sales/Marketing	1.8	1.9	1.7	1.7	2.1	2.1	2.8	1.7	1.7	2.0	1.4	1.4	1.4
Human Resources	0.3	0.4	0.3	0.4	0.3	0.3	0.4	0.3	0.3	0.3	0.2	0.0	0.3
Finance (e.g., Actuary, Banking, Loan Officer, Planner)	2.2	1.7	2.7	1.3	2.2	2.3	3.3	1.4	2.5	3.9	0.7	0.5	0.9
Management Consultant	0.4	0.4	0.4	0.3	0.4	0.4	0.5	0.4	0.4	0.6	0.4	0.5	0.3
Real Estate Agent/Realtor/Appraiser/Developer	0.3	0.3	0.3	0.3	0.4	0.4	0.3	0.3	0.3	0.5	0.4	0.4	0.5
Sports Management	1.3	1.3	1.2	0.9	1.9	2.2	1.4	2.0	1.2	1.0	2.2	2.6	1.6
Journalist	0.9	0.7	1.1	0.7	0.8	0.9	0.5	0.8	1.0	1.4	1.0	0.7	1.5
Public/Media Relations	1.2	1.3	1.2	1.1	1.5	1.5	1.3	1.5	1.1	1.5	2.2	2.4	1.9
Advertising	0.4	0.3	0.5	0.3	0.3	0.4	0.3	0.3	0.5	0.5	0.2	0.3	0.2
College Administrator/Staff	0.3	0.3	0.2	0.3	0.3	0.4	0.0	0.3	0.3	0.1	0.3	0.4	0.0
College Faculty	0.4	0.4	0.4	0.3	0.5	0.7	0.2	0.6	0.4	0.5	0.3	0.3	0.2
Early Childcare Provider	0.6	0.8	0.4	0.8	0.7	0.5	0.5	0.9	0.4	0.4	0.9	1.0	0.6
Elementary School Teacher	2.2	2.9	1.4	2.8	3.0	2.0	2.8	4.0	1.5	1.2	1.5	1.6	1.4
Secondary School Teacher in Science, Technology, Engineering, or Math (STEM)	0.8	1.0	0.6	1.0	1.0	0.9	0.7	1.1	0.6	0.6	0.5	0.6	0.5
Secondary School Teacher in a non-STEM subject	1.7	1.9	1.5	1.8	1.9	1.7	1.8	2.1	1.6	1.4	0.9	1.0	0.7
Librarian	0.1	0.2	0.1	0.2	0.1	0.1	0.1	0.1	0.1	0.0	0.1	0.1	0.0
Teacher's Assistant/Paraprofessional	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.1	0.1	0.0
K-12 Administrator	0.3	0.4	0.2	0.4	0.4	0.4	0.2	0.3	0.1	0.3	0.2	0.3	0.1
Other K-12 Professional	0.7	0.9	0.5	0.9	0.8	0.9	0.7	0.9	0.5	0.6	1.0	1.3	0.6
Military	2.1	3.5	0.8	5.7	0.9	1.1	0.9	0.8	0.8	0.6	1.8	2.1	1.3
Federal/State/Local Government Official	1.5	1.2	1.8	1.1	1.4	1.8	1.1	1.1	1.6	2.9	1.0	0.8	1.3
Protective Services (e.g., Homeland Security, Law Enforcement, Firefighter)	1.6	2.1	1.1	2.5	1.8	1.9	1.4	1.8	1.1	1.0	1.8	2.2	1.2
Postal Worker	0.1	0.2	0.1	0.1	0.2	0.2	0.1	0.3	0.1	0.1	0.2	0.2	0.0
Dietician/Nutritionist	0.8	1.1	0.6	1.3	0.8	0.7	0.9	0.9	0.7	0.3	0.6	0.7	0.5
Home Health Worker	0.1	0.2	0.1	0.2	0.2	0.1	0.1	0.3	0.1	0.1	0.1	0.1	0.1
Medical/Dental Assistant (e.g., Hygienist, Lab Tech, Nursing Asst.)	0.8	0.9	0.7	0.8	1.0	1.0	1.3	1.0	0.8	0.5	1.6	1.7	1.3
Registered Nurse	3.7	4.6	2.8	4.2	5.0	2.6	10.2	4.8	3.0	1.8	5.2	7.2	2.1
Therapist (e.g., Physical, Occupational, Speech)	4.1	5.0	3.1	5.1	4.9	4.5	3.7	5.9	3.3	2.4	6.5	8.3	3.7
Computer Programmer/Developer	2.8	2.2	3.5	2.7	1.6	1.7	1.2	1.6	3.7	2.8	1.6	1.3	2.1
Computer/Systems Analyst	0.7	0.7	0.7	1.0	0.4	0.5	0.4	0.3	0.8	0.4	0.8	0.8	0.9
Web Designer	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.1	0.1	0.2	0.2	0.1
Lawyer/Judge	3.6	2.8	4.3	2.5	3.1	3.8	3.2	2.5	4.0	5.7	5.6	4.5	7.5
Paralegal	0.3	0.2	0.3	0.2	0.2	0.2	0.1	0.1	0.3	0.2	0.4	0.4	0.3
Clinical Psychologist	2.0	2.1	1.9	2.3	1.9	1.9	2.3	1.8	2.0	1.6	3.1	2.9	3.4
Dentist/Orthodontist	1.3	1.1	1.5	1.0	1.1	0.9	2.0	0.9	1.5	1.2	1.5	1.2	2.1
Medical Doctor/Surgeon	10.2	7.0	13.4	5.9	8.2	8.0	11.2	7.0	13.4	13.5	11.6	7.0	19.0

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		4-yr Coll	Universities	Public	Private	Nonsec	Catholic	Oth Relig	Public	Private	All HBCU	Public	Private
<b>Your intended career occupation (continued)</b>													
Optometrist	0.3	0.3	0.4	0.2	0.3	0.2	0.3	0.3	0.4	0.4	0.2	0.1	0.4
Pharmacist	1.1	1.0	1.3	0.8	1.2	1.2	1.8	0.8	1.3	1.4	2.7	0.9	5.5
Veterinarian	1.4	1.4	1.4	1.4	1.5	2.0	0.8	1.4	1.5	0.6	1.1	1.4	0.6
Engineer	7.0	5.0	8.9	6.7	3.1	3.2	3.3	2.8	9.6	6.0	2.6	2.3	3.1
Research Scientist (e.g., Biologist, Chemist, Physicist)	4.0	3.2	4.9	3.1	3.2	4.1	2.3	2.9	5.2	3.4	1.3	1.2	1.7
Urban Planner/Architect	0.5	0.5	0.5	0.6	0.5	0.6	0.5	0.4	0.5	0.6	0.4	0.4	0.3
Custodian/Janitor/Housekeeper	0.0	0.1	0.0	0.0	0.1	0.1	0.1	0.1	0.0	0.1	0.0	0.1	0.0
Food Service (e.g., Chef/Cook, Server)	0.1	0.2	0.1	0.2	0.1	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Hair Stylist/Aesthetician/Manicurist	0.1	0.1	0.1	0.1	0.0	0.0	0.1	0.1	0.1	0.0	0.1	0.2	0.1
Interior Designer	0.4	0.5	0.2	0.7	0.3	0.3	0.3	0.4	0.2	0.2	0.5	0.7	0.3
Skilled Trades (e.g., Plumber, Electrician, Construction)	1.5	2.0	1.1	2.0	1.9	1.1	3.6	1.8	1.3	0.5	4.4	6.8	0.6
Social/Non-Profit Services	0.5	0.5	0.5	0.4	0.6	0.7	0.3	0.7	0.4	0.7	0.5	0.6	0.4
Clergy	0.7	1.0	0.4	0.8	1.1	0.8	0.7	1.7	0.4	0.4	1.6	2.2	0.6
Homemaker/Stay at Home Parent	0.4	0.5	0.3	0.5	0.5	0.6	0.3	0.6	0.3	0.3	0.2	0.3	0.1
Other	4.7	5.4	4.0	5.2	5.6	5.3	4.0	6.6	4.1	3.5	5.8	6.1	5.3
Undecided	10.4	9.6	11.2	8.6	10.8	13.4	9.7	8.8	11.0	12.0	3.7	4.2	3.0
<b>Parent/Guardian 1 occupation</b>													
Actor or Entertainer	0.2	0.2	0.2	0.2	0.2	0.2	0.1	0.2	0.2	0.3	0.3	0.2	0.3
Artist	0.3	0.3	0.3	0.3	0.3	0.5	0.2	0.3	0.3	0.3	0.1	0.1	0.2
Graphic Designer	0.5	0.5	0.4	0.6	0.5	0.6	0.4	0.5	0.5	0.4	0.2	0.2	0.2
Musician	0.3	0.3	0.3	0.3	0.3	0.3	0.1	0.3	0.3	0.3	0.2	0.2	0.3
Writer/Producer/Director	0.2	0.2	0.2	0.2	0.3	0.4	0.1	0.2	0.1	0.4	0.2	0.3	0.1
Farmer or Forester	0.4	0.5	0.4	0.4	0.6	0.5	0.4	0.9	0.4	0.3	0.2	0.2	0.1
Natural Resource Specialist/Environmentalist	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.1	0.3	0.3	0.1
Accountant	3.0	2.9	3.1	2.7	3.1	3.0	4.1	2.7	3.1	3.1	3.0	3.2	2.5
Administrative Assistant	1.4	1.5	1.3	1.4	1.7	1.7	2.0	1.6	1.4	1.2	1.9	1.6	2.2
Business Manager/Executive	6.1	5.3	6.9	4.4	6.3	6.4	6.4	6.1	6.5	8.4	3.2	3.1	3.3
Business Owner/Entrepreneur	5.0	4.4	5.5	3.9	4.9	5.3	4.6	4.7	5.0	7.8	2.5	2.2	3.0
Retail Sales	1.1	1.1	1.0	1.1	1.1	1.0	1.3	1.2	1.1	0.8	1.0	0.8	1.4
Sales/Marketing	4.1	3.7	4.5	3.4	4.1	4.1	4.4	3.9	4.5	4.2	1.7	0.9	2.9
Human Resources	1.1	1.1	1.0	1.1	1.2	1.1	1.2	1.2	1.0	1.0	2.2	2.1	2.3
Finance (e.g., Actuary, Banking, Loan Officer, Planner)	2.9	2.6	3.3	2.1	3.1	3.3	3.5	2.5	3.1	4.2	1.9	1.8	2.0
Management Consultant	1.0	1.0	1.1	0.8	1.1	1.2	1.0	1.0	1.0	1.4	0.8	0.8	0.9
Real Estate Agent/Realtor/Appraiser/Developer	1.4	1.2	1.7	1.2	1.2	1.2	1.2	1.2	1.7	1.6	0.8	0.9	0.7
Sports Management	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.1
Journalist	0.2	0.2	0.2	0.2	0.2	0.3	0.2	0.2	0.2	0.3	0.2	0.2	0.2
Public/Media Relations	0.5	0.5	0.5	0.4	0.5	0.7	0.4	0.5	0.5	0.5	0.6	0.5	0.7
Advertising	0.2	0.2	0.2	0.1	0.2	0.2	0.2	0.2	0.2	0.3	0.2	0.3	0.1
College Administrator/Staff	0.6	0.6	0.5	0.5	0.8	0.8	0.6	0.9	0.5	0.7	0.8	1.0	0.6
College Faculty	0.9	0.8	1.0	0.5	1.1	1.4	0.5	1.1	0.8	1.6	0.4	0.3	0.6
Early Childcare Provider	0.9	1.0	0.8	1.1	1.0	0.9	1.1	1.0	0.8	0.8	1.7	1.7	1.7
Elementary School Teacher	2.2	2.4	2.1	2.4	2.4	2.2	2.6	2.6	2.1	1.8	2.9	3.2	2.4
Secondary School Teacher in Science, Technology, Engineering, or Math (STEM)	1.0	1.1	0.9	1.1	1.1	1.1	0.9	1.3	0.9	0.9	0.9	0.8	1.0
Secondary School Teacher in a non-STEM subject	1.1	1.1	1.1	1.1	1.2	1.4	1.1	1.1	1.1	1.1	0.7	0.6	0.8
Librarian	0.2	0.2	0.2	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.1	0.2	0.0
Teacher's Assistant/Paraprofessional	0.8	0.9	0.6	1.0	0.8	0.8	0.9	0.8	0.6	0.6	1.2	1.4	1.0
K-12 Administrator	0.8	0.9	0.7	0.8	0.9	0.8	0.9	1.1	0.7	0.7	1.1	0.9	1.5
Other K-12 Professional	1.0	1.1	0.9	1.2	1.0	1.2	0.7	1.1	1.0	0.8	1.7	1.8	1.7
Military	1.5	1.8	1.2	2.3	1.1	1.0	1.0	1.3	1.2	0.9	1.8	1.6	2.1
Federal/State/Local Government Official	1.3	1.4	1.3	1.4	1.3	1.3	1.1	1.4	1.3	1.2	1.9	1.8	2.2

## PRE-PUBLICATION VERSION 4-19-2017

## 2016 CIRP Freshman Survey

## Weighted National Norms—All Respondents

All Respondents	All Bacc Institutions	Baccalaureate Institutions		4-year Colleges					Universities		Black Colleges and Universities		
		4-yr Coll	Universities	Public	Private	Nonsec	Catholic	Oth Relig	Public	Private	All HBCU	Public	Private
<b>Parent/Guardian 1 occupation (continued)</b>													
Protective Services (e.g., Homeland Security, Law Enforcement, Firefighter)	2.2	2.5	2.0	2.7	2.2	2.1	2.7	2.0	2.1	1.3	2.4	1.9	3.1
Postal Worker	0.5	0.6	0.5	0.7	0.5	0.4	0.6	0.6	0.5	0.4	0.9	0.7	1.1
Dietician/Nutritionist	0.3	0.4	0.2	0.4	0.3	0.4	0.4	0.3	0.2	0.2	0.6	0.7	0.4
Home Health Worker	0.6	0.8	0.5	0.7	0.8	0.8	0.8	0.7	0.5	0.4	2.3	2.3	2.2
Medical/Dental Assistant (e.g., Hygienist, Lab Tech, Nursing Asst.)	1.4	1.6	1.2	1.7	1.5	1.3	2.0	1.4	1.3	0.9	4.1	3.9	4.3
Registered Nurse	2.7	2.9	2.6	2.9	2.9	2.5	3.4	2.9	2.7	2.0	5.0	5.2	4.8
Therapist (e.g., Physical, Occupational, Speech)	1.1	1.1	1.0	1.0	1.2	1.4	0.9	1.3	1.0	0.9	1.1	1.0	1.2
Computer Programmer/Developer	1.8	1.4	2.1	1.3	1.4	1.5	1.2	1.4	2.2	2.1	0.7	0.6	0.8
Computer/Systems Analyst	1.9	1.6	2.1	1.6	1.6	1.5	1.4	1.7	2.2	1.8	1.2	1.1	1.3
Web Designer	0.2	0.2	0.1	0.2	0.2	0.2	0.1	0.2	0.2	0.1	0.3	0.4	0.1
Lawyer/Judge	2.2	1.6	2.8	1.2	2.1	2.5	2.1	1.6	2.4	4.4	0.8	0.5	1.4
Paralegal	0.5	0.5	0.4	0.6	0.5	0.5	0.6	0.4	0.5	0.3	0.6	0.6	0.7
Clinical Psychologist	0.4	0.4	0.5	0.4	0.4	0.5	0.3	0.5	0.5	0.4	0.3	0.1	0.6
Dentist/Orthodontist	0.5	0.5	0.6	0.5	0.5	0.5	0.5	0.5	0.6	0.8	0.4	0.4	0.6
Medical Doctor/Surgeon	2.4	1.8	3.1	1.3	2.3	2.4	2.3	2.1	2.7	4.7	1.4	0.9	2.1
Optometrist	0.1	0.1	0.2	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.1	0.1	0.1
Pharmacist	0.5	0.4	0.5	0.4	0.5	0.5	0.5	0.4	0.5	0.5	0.7	0.5	1.0
Veterinarian	0.2	0.2	0.2	0.2	0.2	0.2	0.1	0.2	0.2	0.2	0.1	0.2	0.0
Engineer	5.3	4.1	6.4	4.0	4.2	3.8	4.3	4.5	6.7	5.2	1.5	1.4	1.7
Research Scientist (e.g., Biologist, Chemist, Physicist)	1.1	0.7	1.4	0.7	0.7	0.9	0.7	0.6	1.4	1.3	0.3	0.3	0.3
Urban Planner/Architect	0.5	0.5	0.5	0.5	0.5	0.7	0.5	0.4	0.6	0.5	0.2	0.3	0.2
Custodian/Janitor/Housekeeper	0.7	0.8	0.6	0.9	0.7	0.8	0.8	0.6	0.7	0.5	1.0	1.2	0.7
Food Service (e.g., Chef/Cook, Server)	1.5	1.5	1.6	1.6	1.3	1.3	1.3	1.2	1.7	1.1	1.8	1.9	1.7
Hair Stylist/Aesthetician/Manicurist	0.7	0.7	0.6	0.7	0.6	0.6	0.6	0.6	0.7	0.4	1.7	1.7	1.6
Interior Designer	0.2	0.2	0.2	0.2	0.2	0.2	0.1	0.1	0.2	0.3	0.2	0.1	0.2
Skilled Trades (e.g., Plumber, Electrician, Construction)	4.7	5.2	4.1	5.6	4.8	4.3	5.2	5.0	4.5	2.7	4.2	5.3	2.4
Social/Non-Profit Services	0.6	0.6	0.5	0.5	0.7	0.7	0.5	0.7	0.5	0.6	1.1	1.1	1.2
Clergy	0.7	0.8	0.6	0.6	1.1	0.6	0.4	2.0	0.5	0.8	0.6	0.4	1.0
Homemaker/Stay at Home Parent	5.0	5.4	4.7	5.9	4.8	4.8	5.2	4.8	4.5	5.3	4.3	4.8	3.4
Other	16.2	18.7	13.7	21.0	16.1	15.8	15.8	16.5	14.3	11.1	20.7	21.9	18.9
Undecided	0.9	1.2	0.6	1.5	0.9	0.8	1.0	1.0	0.6	0.5	2.5	3.1	1.6
<b>Parent/Guardian 2 occupation</b>													
Actor or Entertainer	0.2	0.2	0.2	0.2	0.2	0.3	0.1	0.2	0.2	0.3	0.2	0.2	0.2
Artist	0.5	0.5	0.5	0.4	0.5	0.8	0.2	0.4	0.5	0.6	0.2	0.1	0.2
Graphic Designer	0.5	0.5	0.5	0.4	0.5	0.5	0.4	0.5	0.4	0.6	0.7	0.9	0.3
Musician	0.3	0.4	0.3	0.3	0.4	0.5	0.3	0.3	0.3	0.4	0.4	0.5	0.3
Writer/Producer/Director	0.2	0.2	0.3	0.1	0.3	0.4	0.2	0.3	0.2	0.4	0.1	0.0	0.2
Farmer or Forester	0.3	0.4	0.3	0.4	0.4	0.4	0.2	0.6	0.3	0.3	0.4	0.3	0.4
Natural Resource Specialist/Environmentalist	0.2	0.2	0.2	0.2	0.2	0.2	0.1	0.2	0.2	0.1	0.2	0.3	0.2
Accountant	2.8	2.5	3.1	2.3	2.7	2.5	3.1	2.6	3.1	3.3	1.7	1.7	1.6
Administrative Assistant	1.4	1.4	1.4	1.2	1.6	1.3	1.6	1.9	1.4	1.3	1.1	1.0	1.3
Business Manager/Executive	4.0	3.5	4.4	3.0	4.2	4.5	4.1	3.9	4.2	5.5	2.4	2.4	2.5
Business Owner/Entrepreneur	3.7	3.5	4.0	3.1	3.8	4.3	3.7	3.5	3.6	5.4	3.3	3.2	3.4
Retail Sales	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.0	1.2	1.0	0.7	0.7	0.6
Sales/Marketing	3.3	3.2	3.5	3.1	3.2	3.4	3.7	2.8	3.5	3.6	1.8	1.7	2.1
Human Resources	1.0	1.0	1.1	0.9	1.1	1.1	1.2	1.1	1.1	1.0	1.2	1.1	1.5
Finance (e.g., Actuary, Banking, Loan Officer, Planner)	2.0	1.7	2.3	1.4	2.1	2.2	2.5	1.8	2.2	2.9	1.1	1.0	1.3
Management Consultant	0.9	0.7	1.0	0.6	0.9	1.0	0.8	0.9	0.9	1.1	0.7	0.5	0.9
Real Estate Agent/Realtor/Appraiser/Developer	1.3	1.1	1.5	1.2	1.1	1.2	0.9	1.0	1.5	1.6	0.7	0.7	0.7

All Respondents	All Bacc Institutions	Baccalaureate Institutions		4-year Colleges					Universities		Black Colleges and Universities		
		4-yr Coll	Universities	Public	Private	Nonsec	Catholic	Oth Relig	Public	Private	All HBCU	Public	Private
<b>Parent/Guardian 2 occupation (continued)</b>													
Sports Management	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.1	0.1	0.1	0.2
Journalist	0.3	0.2	0.3	0.2	0.3	0.4	0.2	0.3	0.3	0.4	0.0	0.0	0.1
Public/Media Relations	0.4	0.4	0.4	0.3	0.5	0.5	0.6	0.4	0.4	0.5	0.5	0.4	0.6
Advertising	0.2	0.2	0.2	0.1	0.2	0.2	0.2	0.1	0.2	0.3	0.2	0.3	0.0
College Administrator/Staff	0.5	0.5	0.5	0.4	0.7	0.7	0.4	0.7	0.4	0.7	0.4	0.2	0.7
College Faculty	0.8	0.7	0.8	0.5	1.0	1.2	0.6	1.0	0.6	1.2	0.4	0.1	0.9
Early Childcare Provider	1.0	1.0	1.0	0.9	1.1	1.0	1.1	1.1	1.0	1.1	0.8	0.9	0.6
Elementary School Teacher	3.3	3.4	3.2	3.3	3.5	2.9	3.2	4.1	3.2	2.8	2.1	2.3	1.8
Secondary School Teacher in Science, Technology, Engineering, or Math (STEM)	1.0	1.0	0.9	1.0	1.1	1.1	0.8	1.1	0.9	1.0	0.8	0.9	0.8
Secondary School Teacher in a non-STEM subject	1.2	1.2	1.2	1.1	1.2	1.2	1.1	1.3	1.2	1.3	0.7	0.6	0.9
Librarian	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.2	0.3	0.2	0.1	0.1	0.1
Teacher's Assistant/Paraprofessional	1.1	1.2	1.1	1.1	1.3	1.1	1.3	1.4	1.2	0.8	0.4	0.4	0.4
K-12 Administrator	0.8	0.9	0.7	0.8	0.9	1.0	0.8	1.0	0.7	0.6	1.2	1.0	1.5
Other K-12 Professional	1.2	1.3	1.1	1.2	1.3	1.1	1.3	1.5	1.1	0.9	1.1	1.3	0.9
Military	1.0	1.1	0.8	1.3	0.9	0.8	0.7	1.2	0.8	0.7	2.6	2.4	2.7
Federal/State/Local Government Official	1.1	1.1	1.1	1.1	1.1	1.2	0.9	1.0	1.1	1.0	1.4	1.3	1.5
Protective Services (e.g., Homeland Security, Law Enforcement, Firefighter)	1.6	1.8	1.4	1.9	1.7	1.6	2.0	1.5	1.5	1.0	3.2	3.4	2.9
Postal Worker	0.5	0.6	0.4	0.7	0.5	0.5	0.6	0.5	0.4	0.3	0.8	0.7	0.9
Dietician/Nutritionist	0.4	0.4	0.4	0.5	0.3	0.2	0.4	0.4	0.4	0.3	0.4	0.4	0.4
Home Health Worker	0.5	0.6	0.5	0.5	0.6	0.6	0.7	0.6	0.5	0.3	0.7	0.7	0.7
Medical/Dental Assistant (e.g., Hygienist, Lab Tech, Nursing Asst.)	1.4	1.5	1.4	1.6	1.4	1.2	1.8	1.3	1.4	1.0	1.5	1.2	1.9
Registered Nurse	3.3	3.2	3.3	3.2	3.1	2.5	3.6	3.6	3.5	2.8	1.9	1.7	2.2
Therapist (e.g., Physical, Occupational, Speech)	1.2	1.1	1.3	0.9	1.4	1.4	1.1	1.6	1.3	1.3	0.5	0.6	0.5
Computer Programmer/Developer	1.2	1.0	1.3	1.0	1.1	1.1	0.8	1.1	1.3	1.2	0.8	0.7	0.8
Computer/Systems Analyst	1.3	1.1	1.5	1.0	1.1	1.2	1.2	0.9	1.5	1.3	1.5	1.3	1.7
Web Designer	0.1	0.2	0.1	0.2	0.2	0.1	0.1	0.2	0.1	0.1	0.2	0.1	0.3
Lawyer/Judge	1.5	1.2	1.9	0.8	1.6	2.1	1.4	1.2	1.5	3.1	1.0	0.3	1.8
Paralegal	0.4	0.4	0.4	0.4	0.4	0.5	0.5	0.3	0.4	0.4	0.2	0.2	0.2
Clinical Psychologist	0.4	0.3	0.4	0.3	0.3	0.4	0.2	0.3	0.4	0.5	0.4	0.5	0.2
Dentist/Orthodontist	0.5	0.4	0.5	0.4	0.4	0.4	0.3	0.5	0.5	0.6	0.2	0.2	0.4
Medical Doctor/Surgeon	1.7	1.3	2.1	0.9	1.7	1.9	1.4	1.6	1.9	3.2	1.1	0.9	1.3
Optometrist	0.1	0.1	0.2	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.0	0.0	0.1
Pharmacist	0.6	0.5	0.7	0.4	0.5	0.5	0.5	0.5	0.7	0.7	0.3	0.2	0.5
Veterinarian	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.1	0.4	0.5	0.3
Engineer	3.1	2.6	3.6	2.4	2.8	2.9	2.8	2.6	3.7	3.3	3.2	3.3	3.1
Research Scientist (e.g., Biologist, Chemist, Physicist)	0.8	0.6	1.0	0.5	0.7	0.9	0.6	0.6	1.0	1.1	0.5	0.5	0.4
Urban Planner/Architect	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.4	0.5	0.4	0.6	0.9	0.2
Custodian/Janitor/Housekeeper	0.7	0.9	0.6	1.0	0.7	0.7	1.0	0.6	0.6	0.5	1.4	1.6	1.1
Food Service (e.g., Chef/Cook, Server)	1.7	1.7	1.8	1.9	1.5	1.6	1.5	1.3	1.9	1.2	2.3	2.5	2.1
Hair Stylist/Aesthetician/Manicurist	0.8	0.7	0.8	0.8	0.6	0.5	0.7	0.5	0.9	0.5	1.0	1.0	1.0
Interior Designer	0.2	0.2	0.2	0.3	0.2	0.2	0.2	0.2	0.2	0.3	0.2	0.1	0.4
Skilled Trades (e.g., Plumber, Electrician, Construction)	4.7	5.2	4.2	5.4	5.1	5.1	5.8	4.6	4.5	2.9	5.6	5.0	6.5
Social/Non-Profit Services	0.5	0.5	0.5	0.4	0.7	0.7	0.5	0.7	0.5	0.6	0.5	0.6	0.4
Clergy	0.5	0.5	0.4	0.4	0.6	0.6	0.3	0.7	0.4	0.5	0.6	0.6	0.7
Homemaker/Stay at Home Parent	12.0	11.8	12.2	13.0	10.6	9.6	10.2	11.9	11.8	13.8	4.4	4.5	4.2
Other	18.2	20.4	16.0	22.4	18.3	18.1	19.0	18.2	16.9	12.4	29.3	31.0	27.0
Undecided	1.5	2.0	1.1	2.3	1.7	1.5	2.2	1.6	1.2	0.9	5.5	6.0	4.7

## PRE-PUBLICATION VERSION 4-19-2017

## 2016 CIRP Freshman Survey

## Weighted National Norms—All Respondents

All Respondents	All Bacc Institutions	Baccalaureate Institutions		4-year Colleges					Universities		Black Colleges and Universities		
		4-yr Coll	Universities	Public	Private	Nonsec	Catholic	Oth Relig	Public	Private	All HBCU	Public	Private
<b>Current employment status:</b>													
<b>Parent/Guardian 1</b>													
Employed	86.5	85.8	87.3	85.1	86.6	86.4	86.0	87.0	87.6	86.1	84.1	84.2	83.9
Seasonally employed	2.1	2.1	2.0	2.0	2.3	2.4	2.5	2.0	2.0	2.2	1.8	1.7	2.2
Unemployed	8.0	8.7	7.3	9.5	7.7	7.6	8.2	7.6	7.3	7.6	10.6	11.1	9.7
Retired	3.4	3.4	3.3	3.4	3.4	3.6	3.4	3.3	3.2	4.0	3.5	3.0	4.3
<b>Parent/Guardian 2</b>													
Employed	74.6	74.3	74.8	73.1	75.8	76.0	75.9	75.4	75.4	71.9	75.0	76.5	72.5
Seasonally employed	4.1	4.2	4.0	4.2	4.3	4.2	4.0	4.4	4.0	4.4	4.3	3.7	5.2
Unemployed	16.6	16.9	16.2	18.4	15.1	14.7	15.0	15.6	16.1	16.8	15.5	14.5	17.1
Retired	4.8	4.6	4.9	4.3	4.9	5.1	5.1	4.6	4.5	6.8	5.3	5.3	5.2
<b>How much of your first year's educational expenses (room, board, tuition, and fees) do you expect to cover from each of the sources listed below?</b>													
<b>Family resources (parents, relatives, spouse, etc.)</b>													
None	27.6	32.9	22.0	40.0	24.4	24.0	22.5	25.7	23.6	15.4	43.6	43.5	43.9
\$1 to \$2,999	17.5	19.8	15.2	22.3	16.7	15.9	16.0	17.9	16.3	10.3	29.1	32.7	22.9
\$3,000 to \$5,999	11.7	11.9	11.4	12.1	11.7	10.4	11.9	13.0	12.1	8.6	12.2	12.1	12.5
\$6,000 to \$9,999	9.0	8.6	9.3	8.0	9.4	8.9	9.1	10.0	9.8	7.4	6.2	6.4	5.7
\$10,000 to \$14,999	9.4	8.4	10.5	6.6	10.5	10.0	11.4	10.6	10.9	8.9	3.7	2.6	5.6
\$15,000 or more	24.8	18.3	31.6	11.0	27.3	30.8	29.1	22.7	27.4	49.5	5.1	2.6	9.5
<b>My own resources (savings from work, work-study, other income)</b>													
None	43.6	45.4	41.6	47.8	42.5	44.0	39.5	42.3	40.3	47.1	57.0	56.5	57.9
\$1 to \$2,999	38.6	37.7	39.6	37.3	38.1	37.6	39.2	38.1	40.6	35.0	31.9	33.2	29.4
\$3,000 to \$5,999	10.9	10.2	11.6	9.5	11.1	10.5	11.5	11.5	12.0	10.0	6.9	6.7	7.2
\$6,000 to \$9,999	3.4	3.4	3.5	3.0	3.8	3.5	4.2	3.8	3.6	3.2	2.2	2.1	2.4
\$10,000 to \$14,999	1.6	1.5	1.7	1.0	2.1	2.0	2.6	2.0	1.7	2.1	1.0	0.8	1.6
\$15,000 or more	1.9	1.8	1.9	1.3	2.4	2.4	3.0	2.2	1.8	2.6	1.0	0.7	1.5
<b>Aid which need <u>not</u> be repaid (grants, scholarships, military funding, etc.)</b>													
None	29.7	29.2	30.2	35.2	21.9	26.3	19.2	18.8	30.7	27.9	28.3	30.2	24.9
\$1 to \$2,999	14.0	11.2	16.9	14.2	7.5	7.5	7.6	7.3	19.4	5.9	15.6	18.1	11.1
\$3,000 to \$5,999	13.3	12.8	13.7	16.1	8.8	7.7	8.0	10.4	15.7	5.5	17.8	20.2	13.7
\$6,000 to \$9,999	9.8	9.8	9.7	11.1	8.1	6.7	8.1	9.6	11.0	4.4	12.8	13.9	10.8
\$10,000 to \$14,999	10.9	11.9	9.9	10.4	13.7	12.1	14.1	15.0	9.9	10.0	10.9	8.8	14.6
\$15,000 or more	22.4	25.2	19.5	13.0	40.0	39.7	43.0	38.8	13.3	46.3	14.6	8.7	24.9
<b>Aid which <u>must</u> be repaid (loans, etc.)</b>													
None	53.0	51.5	54.7	57.8	43.7	47.2	40.1	41.9	55.0	53.3	36.9	37.4	36.2
\$1 to \$2,999	9.4	10.3	8.5	10.7	9.8	9.8	9.2	10.0	8.9	6.5	15.4	18.3	10.2
\$3,000 to \$5,999	16.2	16.7	15.6	15.5	18.3	17.0	19.0	19.2	15.8	14.6	18.5	20.6	14.6
\$6,000 to \$9,999	8.2	8.2	8.2	7.0	9.7	8.3	10.4	10.8	8.4	7.1	11.1	12.1	9.3
\$10,000 to \$14,999	5.8	6.0	5.6	4.3	8.1	7.4	9.1	8.3	5.4	6.6	7.3	5.9	9.7
\$15,000 or more	7.4	7.3	7.5	4.7	10.5	10.3	12.2	9.7	6.5	11.9	10.9	5.8	20.0

PRE-PUBLICATION VERSION 4-19-2017

2016 CIRP Freshman Survey

Weighted National Norms—All Respondents

All Respondents	All Bacc Institutions	Baccalaureate Institutions		4-year Colleges					Universities		Black Colleges and Universities		
		4-yr Coll	Universities	Public	Private	Nonsec	Catholic	Oth Relig	Public	Private	All HBCU	Public	Private
<b>Did you receive any of the following forms of financial aid?</b>													
<b>Military grants</b>													
Yes	4.5	7.1	1.8	11.3	2.0	1.9	1.7	2.2	1.9	1.7	3.5	3.4	3.8
No	95.5	92.9	98.2	88.7	98.0	98.1	98.3	97.8	98.1	98.3	96.5	96.6	96.2
<b>Work-study</b>													
Yes	19.7	20.7	18.6	10.8	32.3	35.8	30.3	29.9	17.1	25.0	17.3	19.7	13.2
No	80.3	79.3	81.4	89.2	67.7	64.2	69.7	70.1	82.9	75.0	82.7	80.3	86.8
<b>Pell Grant</b>													
Yes	28.4	32.1	24.7	33.4	30.5	28.4	27.9	33.9	25.3	22.1	63.9	65.8	60.5
No	71.6	67.9	75.3	66.6	69.5	71.6	72.1	66.1	74.7	77.9	36.1	34.2	39.5
<b>Need-based grants or scholarships</b>													
Yes	36.8	38.0	35.6	29.5	48.1	49.7	45.5	47.8	34.3	41.0	41.0	39.2	43.9
No	63.2	62.0	64.4	70.5	51.9	50.3	54.5	52.2	65.7	59.0	59.0	60.8	56.1
<b>Merit-based grants or scholarships</b>													
Yes	54.1	51.8	56.4	32.1	74.4	71.3	79.1	75.2	54.4	64.4	42.7	32.6	59.0
No	45.9	48.2	43.6	67.9	25.6	28.7	20.9	24.8	45.6	35.6	57.3	67.4	41.0
<b>What is your best estimate of your parents'/guardians' total income last year?</b>													
Less than \$15,000	5.6	7.5	3.7	9.1	5.5	5.6	4.8	5.8	3.9	3.2	18.4	20.6	14.4
\$15,000 to \$24,999	6.3	7.6	4.8	9.4	5.5	5.3	5.2	5.8	5.1	3.8	15.1	16.8	11.9
\$25,000 to \$29,999	4.4	5.2	3.5	5.8	4.5	4.5	4.1	4.7	3.6	3.0	9.5	9.9	8.9
\$30,000 to \$59,999	15.0	16.8	13.1	18.2	14.9	14.2	14.5	15.9	13.7	10.5	21.8	21.8	21.7
\$60,000 to \$74,999	10.0	10.7	9.3	10.3	11.3	10.5	9.9	12.7	9.6	8.0	10.8	10.6	11.3
\$75,000 to \$99,999	12.4	12.5	12.3	12.0	13.1	12.4	12.6	14.1	12.8	10.5	9.0	8.2	10.7
\$100,000 to \$124,999	13.9	13.1	14.7	12.6	13.9	13.6	14.2	13.9	14.9	13.6	6.6	5.4	8.8
\$125,000 to \$149,999	7.4	6.7	8.1	6.2	7.3	7.6	7.3	7.0	8.2	7.4	2.7	2.4	3.2
\$150,000 to \$199,999	8.4	7.3	9.4	7.0	7.8	8.0	9.6	6.7	9.5	9.0	2.6	1.9	3.7
\$200,000 to \$249,999	6.4	5.1	7.7	4.5	5.8	6.3	6.7	4.9	7.4	8.9	1.6	1.2	2.2
\$250,000 to \$499,999	6.6	4.8	8.5	3.4	6.5	7.2	7.1	5.5	7.7	12.0	1.3	0.7	2.5
\$500,000 or higher	3.7	2.6	4.8	1.5	3.9	4.8	3.9	3.1	3.5	10.1	0.6	0.5	0.8
<b>Please select how many individuals in your household (including yourself) are dependent on your parent(s)/guardian(s) for financial support:</b>													
I am not dependent on my parent(s)/guardian(s)	2.4	3.0	1.8	3.2	2.7	2.4	2.2	3.1	2.0	1.2	6.3	6.7	5.6
One	16.9	17.5	16.4	17.2	17.9	18.6	15.4	18.4	16.3	16.5	21.2	20.7	22.2
Two	36.2	34.6	37.8	33.5	36.0	38.0	34.4	34.9	37.8	37.8	29.3	29.5	29.0
Three	22.4	22.2	22.7	22.2	22.1	21.9	23.5	21.7	22.7	22.8	21.1	21.3	20.7
Four	12.4	12.5	12.3	13.0	11.8	10.9	13.0	12.2	12.2	12.7	11.7	12.1	11.1
Five	6.0	6.2	5.7	6.5	5.8	5.1	6.9	6.0	5.7	5.7	6.8	6.4	7.5
Six or more	3.6	4.0	3.2	4.4	3.6	3.1	4.5	3.7	3.2	3.2	3.6	3.4	4.0
<b>Do you have any concern about your ability to finance your college education?</b>													
None (I am confident that I will have sufficient funds)	30.9	30.9	30.9	30.8	31.0	32.7	28.5	30.5	29.8	35.4	25.4	27.1	22.5
Some (but I probably will have enough funds)	55.9	55.2	56.6	54.4	56.2	55.1	57.9	56.4	57.5	52.6	52.9	54.0	50.9
Major (not sure I will have enough funds to complete college)	13.3	13.9	12.6	14.8	12.8	12.2	13.6	13.1	12.7	12.0	21.7	19.0	26.6

## PRE-PUBLICATION VERSION 4-19-2017

## 2016 CIRP Freshman Survey

## Weighted National Norms—All Respondents

All Respondents	All Bacc Institutions	Baccalaureate Institutions		4-year Colleges					Universities		Black Colleges and Universities		
		4-yr Coll	Universities	Public	Private	Nonsec	Catholic	Oth Relig	Public	Private	All HBCU	Public	Private
<b>Your current religious preference</b>													
Agnostic	8.5	6.8	10.3	6.9	6.6	9.0	4.6	5.2	10.3	10.7	1.5	0.8	2.6
Atheist	6.4	4.8	8.0	5.2	4.3	6.7	2.7	2.7	8.2	7.2	0.7	0.5	1.0
Baptist	7.4	9.9	4.9	8.2	11.9	8.8	4.7	18.5	4.7	5.5	43.9	45.2	41.6
Buddhist	1.2	1.0	1.4	1.1	0.8	1.1	0.8	0.5	1.5	1.3	0.5	0.4	0.6
Church of Christ	6.2	7.6	4.7	8.4	6.6	6.0	5.4	7.8	4.9	4.0	18.6	20.2	15.7
Eastern Orthodox	0.9	0.7	1.0	0.9	0.5	0.5	1.0	0.4	0.9	1.3	0.1	0.0	0.2
Episcopalian	1.0	0.8	1.3	0.7	1.0	1.3	0.8	0.7	1.2	1.6	0.4	0.2	0.8
Hindu	0.9	0.4	1.5	0.3	0.4	0.6	0.4	0.3	1.4	2.0	0.0	0.0	0.1
Jewish	2.8	1.6	4.0	1.5	1.6	2.6	0.5	1.1	3.7	5.5	0.1	0.1	0.1
LDS (Mormon)	0.3	0.3	0.4	0.4	0.2	0.1	0.1	0.2	0.4	0.2	0.0	0.0	0.0
Lutheran	2.1	2.3	2.0	1.9	2.8	2.0	2.5	3.8	2.1	1.4	0.3	0.3	0.3
Methodist	2.6	2.9	2.3	2.3	3.5	3.1	1.5	4.8	2.3	2.3	2.4	2.4	2.4
Muslim	1.6	1.3	1.9	1.6	0.9	1.1	1.3	0.6	1.7	3.0	1.2	1.1	1.3
Presbyterian	2.3	2.1	2.5	1.8	2.4	2.3	0.9	3.3	2.4	3.3	0.3	0.4	0.3
Quaker	0.1	0.2	0.1	0.1	0.2	0.3	0.1	0.2	0.1	0.2	0.0	0.0	0.0
Roman Catholic	23.4	24.2	22.5	25.8	22.4	19.8	50.6	10.9	22.6	22.3	3.5	1.9	6.3
Seventh-day Adventist	0.7	1.0	0.3	0.4	1.6	0.5	0.3	3.5	0.4	0.3	0.6	0.4	0.8
United Church of Christ/Congregational	0.5	0.5	0.5	0.3	0.7	0.8	0.6	0.7	0.5	0.5	0.5	0.3	0.7
Other Christian	13.0	14.8	11.0	13.7	16.2	12.1	9.3	23.7	10.8	11.9	14.6	14.4	14.8
Other Religion	2.0	2.3	1.8	2.4	2.0	2.4	1.7	1.8	1.8	1.6	1.9	2.0	1.9
None	16.0	14.7	17.4	15.8	13.3	18.8	10.0	9.4	18.2	14.1	9.0	9.3	8.5
<b>Parent/Guardian 1's current religious preference</b>													
Agnostic	3.3	2.5	4.0	2.5	2.6	3.8	1.3	2.0	3.9	4.3	0.4	0.3	0.4
Atheist	2.8	2.1	3.6	2.1	2.2	3.4	1.2	1.5	3.5	3.6	0.5	0.4	0.8
Baptist	8.4	10.8	5.9	9.1	12.8	10.2	5.2	19.3	5.8	6.5	46.7	48.0	44.7
Buddhist	1.8	1.3	2.2	1.6	1.0	1.6	0.8	0.6	2.3	2.1	0.5	0.4	0.7
Church of Christ	7.6	8.8	6.4	10.0	7.4	7.4	6.1	8.1	6.7	5.0	19.1	20.8	16.1
Eastern Orthodox	1.0	0.9	1.2	1.0	0.6	0.6	1.0	0.4	1.1	1.5	0.1	0.0	0.3
Episcopalian	1.4	1.1	1.7	0.9	1.3	2.0	0.8	1.0	1.6	2.0	0.3	0.2	0.6
Hindu	1.3	0.5	2.0	0.4	0.6	1.0	0.5	0.3	1.9	2.8	0.0	0.0	0.0
Jewish	3.5	2.1	4.9	2.1	2.0	3.4	0.9	1.3	4.5	6.5	0.1	0.1	0.1
LDS (Mormon)	0.5	0.3	0.6	0.5	0.2	0.2	0.2	0.2	0.7	0.3	0.0	0.0	0.0
Lutheran	2.8	2.9	2.7	2.5	3.4	2.6	3.0	4.5	2.8	2.1	0.2	0.3	0.2
Methodist	3.2	3.4	3.0	2.8	4.2	3.9	1.9	5.7	3.0	3.1	2.4	2.0	3.0
Muslim	1.8	1.5	2.2	1.8	1.1	1.3	1.6	0.7	1.9	3.3	1.4	1.4	1.5
Presbyterian	2.9	2.6	3.2	2.2	3.0	3.2	1.3	3.8	3.0	4.0	0.6	0.6	0.6
Quaker	0.1	0.2	0.1	0.1	0.2	0.3	0.2	0.2	0.1	0.2	0.0	0.0	0.0
Roman Catholic	28.7	28.9	28.5	31.5	25.8	24.0	53.7	13.5	28.9	27.0	4.1	2.2	7.2
Seventh-day Adventist	0.7	1.0	0.4	0.5	1.7	0.6	0.4	3.4	0.4	0.3	0.5	0.5	0.6
United Church of Christ/Congregational	0.6	0.6	0.7	0.4	0.9	1.1	0.6	0.8	0.7	0.6	0.5	0.3	0.7
Other Christian	14.6	16.2	13.0	15.4	17.2	14.0	10.9	23.7	12.9	13.2	15.0	14.4	16.0
Other Religion	2.0	2.3	1.8	2.6	1.9	2.2	1.6	1.7	1.9	1.6	1.9	2.0	1.7
None	10.9	9.9	11.9	10.1	9.7	13.4	6.9	7.3	12.4	10.0	5.7	6.2	4.9

PRE-PUBLICATION VERSION 4-19-2017

2016 CIRP Freshman Survey

Weighted National Norms—All Respondents

All Respondents	All Bacc Institutions	Baccalaureate Institutions		4-year Colleges					Universities		Black Colleges and Universities		
		4-yr Coll	Universities	Public	Private	Nonsec	Catholic	Oth Relig	Public	Private	All HBCU	Public	Private
<b>Parent/Guardian 2's current religious preference</b>													
Agnostic	2.9	2.3	3.5	2.2	2.4	3.6	1.2	1.7	3.4	3.8	0.4	0.4	0.4
Atheist	2.7	2.1	3.3	1.8	2.4	3.6	1.4	1.8	3.3	3.4	0.6	0.7	0.5
Baptist	7.8	9.9	5.6	8.3	11.8	9.1	4.3	18.3	5.5	6.0	43.9	45.3	41.7
Buddhist	1.9	1.4	2.3	1.6	1.1	1.5	0.9	0.7	2.3	2.3	0.4	0.2	0.7
Church of Christ	7.4	8.5	6.4	9.7	7.1	7.3	5.6	7.7	6.8	4.8	18.1	19.8	15.4
Eastern Orthodox	1.1	0.9	1.2	1.0	0.7	0.7	1.1	0.4	1.2	1.6	0.2	0.1	0.2
Episcopalian	1.3	1.1	1.6	0.8	1.3	2.0	0.8	1.0	1.5	2.1	0.4	0.1	0.7
Hindu	1.3	0.5	2.2	0.4	0.6	1.0	0.5	0.4	2.0	2.9	0.0	0.0	0.0
Jewish	3.3	2.0	4.7	2.0	2.0	3.3	0.8	1.2	4.3	6.2	0.1	0.1	0.0
LDS (Mormon)	0.5	0.3	0.7	0.4	0.2	0.2	0.1	0.2	0.8	0.2	0.0	0.0	0.0
Lutheran	2.9	3.0	2.8	2.6	3.5	2.7	3.3	4.3	2.9	2.2	0.1	0.2	0.1
Methodist	3.2	3.4	3.0	2.9	4.1	3.8	1.8	5.6	3.1	3.0	2.6	2.3	3.1
Muslim	2.0	1.6	2.4	2.0	1.2	1.4	1.7	0.7	2.1	3.4	2.4	2.7	2.0
Presbyterian	2.9	2.6	3.3	2.2	3.1	3.1	1.1	4.0	3.1	4.1	0.3	0.3	0.3
Quaker	0.2	0.2	0.2	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.0	0.0	0.0
Roman Catholic	28.9	29.2	28.6	32.0	25.9	24.2	53.3	13.7	28.9	27.4	4.3	2.2	7.5
Seventh-day Adventist	0.7	1.0	0.4	0.5	1.7	0.5	0.4	3.4	0.4	0.3	0.5	0.4	0.6
United Church of Christ/Congregational	0.6	0.6	0.7	0.4	0.9	1.0	0.7	0.8	0.7	0.6	0.5	0.2	0.9
Other Christian	14.6	16.3	13.0	15.5	17.1	13.9	10.7	23.5	12.9	13.1	14.0	13.4	14.8
Other Religion	2.1	2.2	1.9	2.5	1.9	2.3	1.7	1.7	2.0	1.8	2.1	1.8	2.5
None	11.6	10.8	12.4	10.8	10.9	14.6	8.3	8.6	12.8	10.7	9.2	9.7	8.5
<b>What is the highest academic degree that you intend to obtain?</b>													
<b>Highest academic degree planned</b>													
None	0.5	0.7	0.3	0.7	0.7	0.7	0.6	0.7	0.3	0.5	1.9	2.3	1.1
Vocational certificate	0.1	0.2	0.1	0.1	0.2	0.2	0.1	0.2	0.1	0.1	0.2	0.3	0.1
Associate (A.A. or equivalent)	0.6	0.7	0.3	0.7	0.9	0.7	0.8	1.1	0.4	0.3	1.1	1.2	0.8
Bachelor's degree (B.A., B.S., B.D., etc.)	23.0	26.7	19.3	27.6	25.7	22.2	21.5	31.4	20.0	16.4	18.7	21.9	13.3
Master's degree (M.A., M.S., M.B.A., etc.)	41.0	41.7	40.2	43.5	39.7	40.5	42.8	37.4	40.0	40.8	31.7	34.1	27.7
J.D. (Law)	4.1	3.2	5.0	2.7	3.8	4.5	3.9	3.0	4.4	7.4	4.8	4.1	5.9
M.D., D.O., D.D.S., D.V.M., etc. (Medical)	11.5	8.4	14.6	7.1	9.9	10.0	12.5	8.5	14.7	14.2	10.5	7.4	15.7
Ph.D.	12.9	11.5	14.4	11.0	12.0	14.0	10.3	10.8	14.3	14.5	17.5	16.1	20.0
Professional Doctorate (Ed.D., Psy.D., etc.)	5.7	6.1	5.3	5.9	6.3	6.4	6.6	5.9	5.4	5.2	12.8	11.6	14.8
Other	0.7	0.8	0.6	0.8	0.9	0.9	0.9	0.9	0.5	0.7	0.8	1.0	0.6
<b>Highest academic degree planned at this institution</b>													
None	0.8	1.0	0.6	0.9	1.1	1.2	0.8	1.1	0.6	0.7	2.1	2.2	2.1
Vocational certificate	0.2	0.2	0.1	0.1	0.3	0.3	0.1	0.4	0.1	0.1	0.4	0.5	0.3
Associate (A.A. or equivalent)	2.1	2.7	1.5	2.8	2.6	2.2	2.5	3.0	1.6	1.2	4.0	3.7	4.6
Bachelor's degree (B.A., B.S., B.D., etc.)	69.1	72.0	66.2	71.0	73.2	75.9	63.8	75.3	65.5	69.2	61.7	60.1	64.1
Master's degree (M.A., M.S., M.B.A., etc.)	20.0	18.8	21.2	20.3	17.1	14.8	23.6	16.0	21.6	19.6	19.0	21.4	15.3
J.D. (Law)	0.9	0.5	1.3	0.4	0.5	0.6	0.7	0.4	1.2	1.5	0.9	1.0	0.7
M.D., D.O., D.D.S., D.V.M., etc. (Medical)	2.8	1.3	4.2	1.2	1.6	1.2	3.4	1.0	4.4	3.3	2.3	2.3	2.3
Ph.D.	2.1	1.4	2.8	1.4	1.4	1.4	2.1	1.0	3.0	2.2	4.3	3.7	5.2
Professional Doctorate (Ed.D., Psy.D., etc.)	1.3	1.2	1.5	1.1	1.3	1.3	2.0	1.0	1.5	1.4	3.8	3.4	4.3
Other	0.7	0.8	0.5	0.7	0.9	1.0	1.0	0.8	0.5	0.7	1.5	1.7	1.2

## PRE-PUBLICATION VERSION 4-19-2017

## 2016 CIRP Freshman Survey

## Weighted National Norms—All Respondents

All Respondents	All Bacc Institutions	Baccalaureate Institutions		4-year Colleges					Universities		Black Colleges and Universities		
		4-yr Coll	Universities	Public	Private	Nonsec	Catholic	Oth Relig	Public	Private	All HBCU	Public	Private
<b>In the past year, how often have you "Frequently" or "Occasionally":</b>													
Attended a religious service	68.9	71.6	66.0	68.3	75.6	65.6	80.1	83.5	64.8	71.2	87.0	86.6	87.8
Been bored in class*	39.7	38.1	41.4	39.2	36.7	37.5	34.8	36.9	42.1	38.4	43.8	44.6	42.2
Demonstrated for a cause (e.g., boycott, rally, protest)	22.3	20.8	23.8	19.8	22.1	24.5	24.1	18.6	22.9	27.5	31.8	27.6	39.1
Tutored another student	60.7	55.5	66.1	57.0	53.6	53.8	56.4	52.1	65.7	67.6	51.9	49.6	56.1
Studied with other students	88.9	87.6	90.3	87.0	88.3	88.2	89.9	87.6	90.1	91.6	86.5	85.5	88.4
Consumed beer*	5.4	4.3	6.5	3.4	5.4	7.0	5.9	3.4	6.3	7.5	1.4	1.3	1.5
Consumed wine or liquor*	5.8	4.6	7.0	3.8	5.7	7.4	6.1	3.8	6.7	8.3	3.6	3.5	3.8
Felt overwhelmed by all I had to do*	40.8	41.0	40.6	40.2	42.1	42.1	41.3	42.4	40.5	40.9	42.4	42.5	42.4
Felt depressed*	11.9	12.1	11.7	12.3	12.0	12.7	11.1	11.7	11.7	11.6	15.4	15.1	16.0
Performed volunteer work	87.4	84.9	90.0	82.6	87.7	86.7	89.5	87.7	89.7	91.3	80.3	77.9	84.5
Asked a teacher for advice after class	85.6	85.4	85.8	83.8	87.4	87.8	87.8	86.7	85.1	88.7	79.8	79.5	80.3
Voted in a student election	64.6	61.0	68.3	59.8	62.5	63.1	67.8	59.2	67.8	70.4	65.8	61.3	73.8
Socialized with someone of another racial/ethnic group	96.7	96.0	97.4	95.7	96.3	96.1	96.8	96.4	97.4	97.2	91.2	90.0	93.2
Been late to class*	8.1	7.4	8.9	8.3	6.4	6.8	6.5	5.9	8.9	8.9	9.4	9.2	9.7
Discussed religion	78.2	76.6	80.0	73.3	80.6	75.6	80.3	85.7	78.9	84.3	77.1	75.1	80.6
Discussed politics	86.2	83.1	89.4	82.3	84.1	84.5	84.9	83.4	89.1	90.8	77.0	73.6	83.1
Skipped school/class*	2.8	2.6	3.1	2.9	2.2	2.4	2.0	2.1	3.2	2.7	3.6	4.1	2.8
Publicly communicated my opinion about a cause (e.g., blog, email, petition)	50.9	49.4	52.5	48.1	51.1	52.3	51.2	49.9	51.9	55.1	60.1	58.3	63.4
Helped raise money for a cause or campaign	54.5	52.8	56.3	49.8	56.5	55.2	60.5	55.8	55.8	58.7	53.8	54.3	53.0
Fallen asleep in class*	6.1	6.2	6.0	6.9	5.2	5.1	5.0	5.5	6.1	5.3	9.5	10.9	6.9
Failed to complete homework on time*	5.1	5.1	5.1	5.3	4.9	5.5	4.3	4.6	5.2	4.4	6.2	6.8	5.3
Felt anxious*	34.5	34.0	35.1	32.3	36.1	37.3	34.4	35.6	34.8	36.4	29.8	28.1	32.9
*responses for "Frequently" only													
<b>Students rated as "A Major Strength" or "Somewhat Strong":</b>													
Ability to see the world from someone else's perspective	77.0	73.9	80.3	73.6	74.3	75.3	75.3	72.7	80.0	81.4	69.6	66.6	74.8
Tolerance of others with different beliefs	80.3	77.5	83.3	77.9	77.0	78.9	78.9	74.2	83.0	84.5	68.4	65.0	74.5
Openness to having my own views challenged	64.8	63.2	66.5	63.7	62.5	64.5	64.1	59.8	66.0	68.5	66.2	65.3	68.0
Ability to discuss and negotiate controversial issues	71.1	68.4	74.0	69.2	67.5	69.0	68.5	65.4	73.8	74.8	69.8	67.7	73.5
Ability to work cooperatively with diverse people	86.4	84.9	88.0	85.4	84.2	84.6	85.9	83.1	87.8	88.5	82.0	79.5	86.5
Critical Thinking Skills	76.8	72.5	81.2	72.6	72.5	73.2	74.5	70.7	80.9	82.5	73.1	70.7	77.4
Ability to manage your time effectively	51.5	50.7	52.4	50.4	51.1	49.4	53.9	51.5	52.4	52.4	54.7	55.4	53.4
<b>What is the highest level of formal education obtained by Parent/Guardian 1?</b>													
Junior high/Middle school or less	4.6	5.8	3.3	7.8	3.4	3.3	3.7	3.3	3.6	2.2	4.2	5.0	2.8
Some high school	4.1	5.2	2.9	6.5	3.5	3.5	3.7	3.5	3.1	2.2	5.2	5.8	4.2
High school graduate	14.6	16.9	12.3	18.4	15.0	14.5	14.7	15.8	13.1	8.8	21.7	24.0	17.6
Postsecondary school other than college	2.9	3.1	2.7	3.2	2.9	2.7	3.1	3.1	2.9	2.1	4.2	4.4	3.8
Some college	14.7	16.5	12.7	18.0	14.8	13.9	14.3	15.9	13.2	10.5	23.7	24.1	22.8
College degree	31.9	29.8	34.2	27.2	32.9	32.2	34.6	32.7	34.4	33.4	24.0	23.4	25.1
Some graduate school	2.2	1.9	2.4	1.6	2.2	2.4	2.2	2.0	2.3	2.8	1.8	1.7	1.9
Graduate degree	25.0	20.8	29.4	17.2	25.2	27.5	23.8	23.6	27.4	38.0	15.2	11.6	21.6

All Respondents	All Bacc Institutions	Baccalaureate Institutions		4-year Colleges					Universities		Black Colleges and Universities		
		4-yr Coll	Universities	Public	Private	Nonsec	Catholic	Oth Relig	Public	Private	All HBCU	Public	Private
<b>What is the highest level of formal education obtained by Parent/Guardian 2?</b>													
Junior high/Middle school or less	4.8	6.1	3.5	8.4	3.4	3.4	4.0	3.1	3.7	2.4	4.2	4.3	3.9
Some high school	4.6	5.6	3.6	7.1	3.8	3.6	4.0	3.9	3.8	2.8	8.9	9.9	7.2
High school graduate	16.7	19.2	14.1	20.9	17.2	16.3	17.3	18.1	15.1	10.0	30.2	32.7	26.2
Postsecondary school other than college	3.2	3.4	3.0	3.3	3.5	3.5	4.1	3.3	3.1	2.4	4.4	4.1	4.7
Some college	15.0	16.2	13.7	17.5	14.8	13.6	14.7	16.0	14.2	11.9	19.8	20.1	19.3
College degree	32.5	30.0	35.0	26.9	33.4	33.1	33.5	33.8	34.7	36.3	19.6	18.6	21.4
Some graduate school	2.3	2.0	2.7	1.6	2.5	2.6	2.6	2.3	2.5	3.2	1.2	1.0	1.5
Graduate degree	20.9	17.5	24.3	14.3	21.3	23.9	19.8	19.6	22.7	31.0	11.7	9.2	15.7
<b>First generation in college</b>													
Yes	18.8	22.6	14.8	27.4	16.9	16.4	17.3	17.2	15.9	10.3	27.6	31.1	21.5
No	81.2	77.4	85.2	72.6	83.1	83.6	82.7	82.8	84.1	89.7	72.4	68.9	78.5
<b>During the past year, did you "Frequently":</b>													
Ask questions in class	50.0	48.4	51.7	46.3	50.9	53.3	53.1	47.5	50.1	58.4	55.6	54.8	56.9
Support your opinions with a logical argument	62.8	57.5	68.5	57.1	58.0	61.0	58.9	54.6	67.5	72.4	56.1	53.3	61.0
Seek solutions to problems and explain them to others	56.3	52.2	60.7	52.1	52.3	54.0	53.0	50.2	59.7	64.7	50.5	47.9	55.1
Evaluate the quality or reliability of information you received	49.1	45.1	53.4	45.0	45.2	46.7	46.4	43.2	52.7	56.3	44.8	41.5	50.7
Take a risk because you feel you have more to gain	37.0	36.2	37.8	36.4	35.9	36.4	36.7	35.0	37.3	39.7	40.8	40.5	41.5
Seek alternative solutions to a problem	46.0	44.7	47.5	45.0	44.3	45.0	45.2	43.1	46.9	49.9	46.2	43.7	50.6
Look up scientific research articles and resources	27.1	24.3	29.9	24.0	24.7	26.6	26.4	22.0	29.6	31.4	21.7	20.0	24.6
Explore topics on your own, even though it is not required for a class	39.3	36.3	42.6	36.9	35.6	37.6	34.2	34.3	41.9	45.5	36.1	33.5	40.9
Accept mistakes as part of the learning process	55.6	55.4	55.9	56.9	53.6	53.7	54.6	52.9	56.1	54.7	61.5	59.9	64.4
Analyze multiple sources of information before coming to a conclusion	46.0	42.8	49.3	42.7	42.9	44.4	44.3	40.8	48.5	52.7	44.1	41.6	48.8
Take on a challenge that scares you	35.8	35.3	36.4	35.1	35.6	36.2	35.3	35.3	35.8	38.6	38.4	37.9	39.2
<b>Students who are "Absolutely" or "Very" confident</b>													
Use technical science skills (use of tools, instruments, and/or techniques)	50.3	46.9	54.0	48.0	45.6	45.9	49.4	43.4	54.6	51.5	46.8	44.0	51.9
Generate a research question	43.1	39.8	46.8	39.0	40.7	41.7	44.2	37.9	46.4	48.3	46.9	45.0	50.4
Determine how to collect appropriate data	50.2	46.3	54.5	46.2	46.4	46.5	50.8	44.1	54.6	54.0	52.0	49.7	56.0
Explain the results of a study	57.2	52.5	62.2	52.2	52.8	53.7	56.2	50.2	61.8	63.6	54.9	50.9	61.9
Use scientific literature to guide research	38.1	33.9	42.7	33.4	34.5	36.1	37.6	31.4	42.3	44.1	37.0	35.4	39.9
Integrate results from multiple studies	49.0	44.1	54.3	43.6	44.6	46.1	48.5	41.2	53.8	56.2	43.4	40.3	49.1
Ask relevant questions	73.3	70.3	76.6	70.0	70.6	70.9	72.6	69.1	76.3	77.8	71.8	69.6	75.7
Identify what is known and not known about a problem	65.0	61.0	69.3	61.0	61.0	61.4	64.3	58.9	68.9	70.7	61.9	60.2	65.1
Understand scientific concepts	52.8	47.1	58.9	47.4	46.8	48.7	49.8	43.3	59.3	57.6	44.5	41.5	49.9
See connections between different areas of science and mathematics	53.2	48.3	58.6	49.1	47.3	48.6	50.9	44.2	59.1	56.2	46.1	43.4	51.1

## PRE-PUBLICATION VERSION 4-19-2017

## 2016 CIRP Freshman Survey

## Weighted National Norms—All Respondents

All Respondents	All Bacc Institutions	Baccalaureate Institutions		4-year Colleges					Universities		Black Colleges and Universities		
		4-yr Coll	Universities	Public	Private	Nonsec	Catholic	Oth Relig	Public	Private	All HBCU	Public	Private
<b>Race/Ethnicity—mark all that apply (total may add to more than 100%)</b>													
American Indian/Alaska Native	2.0	2.3	1.7	2.6	1.9	1.7	1.4	2.5	1.7	1.4	2.7	2.7	2.6
East Asian (e.g., Chinese, Japanese, Korean, Taiwanese)	6.2	4.4	8.1	4.5	4.4	5.7	3.2	3.5	7.2	12.0	0.3	0.2	0.5
Filipino	2.6	2.8	2.3	4.0	1.4	1.1	1.8	1.6	2.3	2.0	0.2	0.2	0.3
Southeast Asian (e.g., Cambodian, Vietnamese, Hmong)	1.7	1.5	2.1	1.7	1.2	1.3	1.1	1.0	2.1	2.0	0.5	0.0	1.2
South Asian (e.g., Indian, Pakistani, Nepalese, Sri Lankan)	2.4	1.1	3.8	0.9	1.4	1.7	1.6	1.1	3.4	5.3	0.3	0.3	0.3
Other Asian	0.5	0.5	0.6	0.5	0.4	0.6	0.4	0.4	0.5	0.8	0.2	0.1	0.4
Native Hawaiian/Pacific Islander	1.0	1.3	0.8	1.5	1.1	0.9	1.0	1.3	0.8	0.9	1.3	1.4	1.2
African American/Black	13.0	16.7	9.1	17.5	15.7	15.3	14.0	16.9	8.5	11.5	96.4	97.0	95.3
Mexican American/Chicano	9.6	12.3	6.7	18.1	5.2	4.2	5.6	6.1	6.9	5.5	0.7	0.7	0.8
Puerto Rican	2.6	3.0	2.1	3.1	2.9	3.8	3.7	1.7	2.1	2.0	2.0	2.4	1.2
Other Latino	7.1	7.8	6.4	10.2	5.0	5.3	6.0	4.2	6.6	5.8	1.4	1.1	1.8
White/Caucasian	66.9	63.2	70.8	56.0	72.1	71.0	71.2	73.6	72.0	65.8	3.6	3.7	3.5
Other	2.5	2.8	2.2	3.3	2.1	2.0	2.0	2.2	2.1	2.5	1.8	1.3	2.7
<b>Students "Agree Strongly" or "Agree Somewhat":</b>													
Wealthy people should pay a larger share of taxes than they do now	70.7	70.9	70.4	71.8	69.8	73.8	70.5	65.5	70.7	69.7	82.0	80.7	84.5
Addressing global climate change should be a federal policy	80.2	77.5	83.3	78.7	76.1	81.7	78.3	69.2	82.8	85.2	77.8	75.2	82.3
The federal government should have stricter gun control laws	67.9	65.8	70.2	67.1	64.4	70.2	70.9	55.2	68.1	78.2	83.0	80.8	86.9
Affirmative action in college admissions should be abolished	50.6	50.2	51.1	51.7	48.4	48.7	53.0	45.7	51.3	50.5	56.3	57.7	53.8
The federal government should raise taxes to reduce the deficit	38.0	35.9	40.3	36.2	35.7	39.2	34.3	32.9	39.9	41.5	39.2	38.0	41.4
Sexual activity that occurs without the presence of explicit, affirmative consent (i.e., "yes means yes") is considered sexual assault	86.8	86.1	87.5	85.9	86.3	87.4	86.0	85.4	87.2	88.6	79.8	78.6	81.9
There is little that a person can do to be better at math—you are either "good" or "bad" at math	28.6	31.9	24.8	32.0	31.9	31.5	31.6	32.5	24.7	25.2	43.6	46.6	38.1
Intelligence is something that can be improved by studying or working harder	90.4	90.6	90.2	90.9	90.3	89.7	91.7	90.1	90.4	89.3	89.9	89.1	91.4
<b>How would you characterize your political views?</b>													
Far left	4.2	4.1	4.3	3.9	4.3	5.9	2.9	3.4	4.2	5.0	6.4	6.4	6.4
Liberal	31.3	28.1	34.7	29.4	26.5	32.5	25.9	21.0	33.9	37.9	31.1	27.1	38.2
Middle-of-the-road	42.3	43.4	41.2	44.0	42.7	42.1	45.6	41.8	42.0	37.7	40.7	41.5	39.4
Conservative	20.2	22.0	18.3	20.3	24.1	17.6	23.4	30.8	18.4	18.0	17.6	19.9	13.5
Far right	2.0	2.4	1.5	2.4	2.4	1.9	2.2	3.0	1.5	1.5	4.1	5.1	2.4

PRE-PUBLICATION VERSION 4-19-2017

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		4-yr Coll	Universities	Public	Private	Nonsec	Catholic	Oth Relig	Public	Private	All HBCU	Public	Private
<b>The following reasons were "Very Important" in deciding to go to college:</b>													
To be able to get a better job	84.8	84.4	85.2	85.1	83.6	82.8	89.0	81.6	85.3	84.6	88.9	88.2	90.0
To gain a general education and appreciation of ideas	75.4	75.9	74.9	74.6	77.4	78.8	79.9	74.8	73.8	79.2	83.0	82.1	84.4
To make me a more cultured person	51.4	51.0	51.9	48.3	54.2	56.3	54.4	52.1	49.4	61.8	64.4	60.8	70.9
To be able to make more money	72.6	72.8	72.4	75.2	70.0	70.8	75.7	66.3	73.5	68.0	86.9	87.0	86.8
To learn more about things that interest me	83.8	83.4	84.3	82.5	84.5	85.3	84.3	83.8	83.7	86.7	84.0	82.1	87.5
To get training for a specific career	77.9	79.8	75.9	81.6	77.7	72.2	83.4	80.3	76.9	71.8	85.0	83.8	87.1
To prepare myself for graduate or professional school	61.2	60.1	62.5	59.9	60.4	60.7	67.0	56.7	62.8	61.1	79.0	77.5	81.9
To please my family	34.7	38.5	30.6	40.8	35.8	34.4	40.1	35.0	30.5	30.8	57.8	59.2	55.3
<b>During your last year in high school, how much time did you spend during a typical week doing the following activities?</b>													
<b>Studying/homework</b>													
None	1.8	2.0	1.6	2.2	1.8	2.0	1.6	1.7	1.7	1.0	3.8	4.3	2.8
Less than one hour	8.0	9.2	6.6	10.3	7.9	7.2	7.3	8.8	7.3	4.2	12.4	14.3	9.2
1 to 2 hours	19.0	21.9	15.7	23.8	19.6	18.6	18.5	21.2	16.6	12.3	31.8	35.3	25.6
3 to 5 hours	27.2	28.4	25.7	29.1	27.6	27.5	26.7	28.2	26.3	23.6	27.8	26.6	30.0
6 to 10 hours	21.5	20.0	23.1	18.5	21.8	21.8	23.2	21.1	23.0	23.7	13.7	11.9	16.9
11 to 15 hours	11.4	9.7	13.3	8.6	11.0	11.5	12.0	10.0	12.5	16.3	5.5	4.2	7.8
16 to 20 hours	6.2	5.0	7.6	4.3	5.8	6.4	6.3	5.1	7.0	10.0	2.5	1.4	4.3
Over 20 hours	5.0	3.8	6.3	3.3	4.4	5.0	4.4	3.8	5.7	8.9	2.5	2.0	3.4
<b>Socializing with friends</b>													
None	0.7	0.8	0.6	0.9	0.8	0.8	0.6	0.7	0.6	0.6	1.5	1.4	1.5
Less than one hour	2.6	2.9	2.3	3.1	2.7	2.6	2.7	2.7	2.4	2.0	4.5	4.6	4.4
1 to 2 hours	11.2	11.9	10.4	13.2	10.5	10.6	9.4	11.0	10.8	9.0	15.0	15.2	14.5
3 to 5 hours	26.2	26.4	25.9	27.2	25.5	25.6	25.3	25.4	26.3	24.7	27.0	27.5	26.0
6 to 10 hours	26.8	25.8	27.9	25.0	26.8	26.9	27.2	26.4	27.6	28.9	20.9	20.3	22.0
11 to 15 hours	14.7	14.0	15.6	13.0	15.3	15.3	15.7	15.1	15.3	16.4	10.9	10.5	11.7
16 to 20 hours	7.8	7.7	7.8	7.3	8.2	8.2	8.6	7.9	7.7	8.4	6.6	6.3	7.1
Over 20 hours	9.9	10.4	9.4	10.4	10.4	9.9	10.5	10.8	9.2	10.0	13.7	14.2	12.7
<b>Online social networks (Facebook, Twitter, etc.)</b>													
None	4.0	3.8	4.2	4.0	3.5	3.5	3.1	3.8	4.5	3.3	3.3	3.3	3.3
Less than one hour	8.3	8.7	7.9	9.2	8.1	8.4	7.2	8.3	8.1	7.0	9.3	9.3	9.3
1 to 2 hours	19.8	20.1	19.5	20.0	20.2	19.9	19.4	21.0	19.6	18.9	17.9	18.0	17.8
3 to 5 hours	26.9	26.3	27.7	25.1	27.7	27.6	27.9	27.8	27.5	28.4	20.6	20.2	21.3
6 to 10 hours	19.3	18.7	19.9	18.4	19.2	19.9	20.1	17.9	19.6	21.0	17.9	17.6	18.4
11 to 15 hours	9.6	9.6	9.7	9.7	9.4	9.4	9.8	9.3	9.6	10.2	10.6	10.4	10.9
16 to 20 hours	5.2	5.2	5.1	5.3	5.1	5.0	5.3	5.2	5.1	5.3	6.1	5.8	6.6
Over 20 hours	6.8	7.6	6.0	8.3	6.7	6.4	7.3	6.7	6.0	5.9	14.3	15.4	12.5
<b>Partying</b>													
None	40.9	42.8	38.8	43.0	42.5	37.5	36.4	50.6	39.5	35.9	28.7	28.5	29.1
Less than one hour	16.9	16.3	17.6	16.4	16.2	16.8	15.8	15.7	17.7	17.4	16.7	17.0	16.2
1 to 2 hours	17.4	17.3	17.6	17.6	16.9	18.2	18.4	14.9	17.5	18.1	23.4	24.0	22.4
3 to 5 hours	14.8	14.0	15.8	13.6	14.5	16.4	17.4	11.3	15.3	17.4	19.4	18.8	20.5
6 to 10 hours	6.1	5.9	6.5	5.6	6.1	7.1	7.5	4.4	6.3	7.2	7.0	7.0	7.1
11 to 15 hours	2.1	2.0	2.2	2.0	2.0	2.3	2.5	1.5	2.1	2.4	2.2	2.3	2.0
16 to 20 hours	0.8	0.8	0.8	0.8	0.9	0.9	1.0	0.7	0.7	0.8	1.1	0.9	1.3
Over 20 hours	0.9	0.9	0.8	0.9	0.9	0.9	1.0	1.0	0.8	0.7	1.5	1.6	1.5

## PRE-PUBLICATION VERSION 4-19-2017

## 2016 CIRP Freshman Survey

## Weighted National Norms—All Respondents

All Respondents	All Bacc Institutions	Baccalaureate Institutions		4-year Colleges					Universities		Black Colleges and Universities		
		4-yr Coll	Universities	Public	Private	Nonsec	Catholic	Oth Relig	Public	Private	All HBCU	Public	Private
<b>During your last year in high school, how much time did you spend during a typical week doing the following activities?</b>													
<b>Student clubs/groups</b>													
None	19.7	22.6	16.4	24.9	19.8	18.0	16.9	23.0	17.7	11.7	25.4	27.7	21.3
Less than one hour	11.7	12.5	10.8	13.1	11.8	11.6	10.9	12.4	11.3	9.0	10.7	11.5	9.3
1 to 2 hours	23.7	23.6	23.8	23.1	24.1	24.7	25.1	22.9	23.9	23.4	21.6	21.5	22.0
3 to 5 hours	21.1	19.3	23.2	18.0	20.8	21.8	22.9	18.6	22.3	26.4	18.8	17.6	20.8
6 to 10 hours	11.9	11.0	13.1	10.2	11.8	12.1	13.0	11.0	12.4	15.5	11.4	10.0	14.0
11 to 15 hours	5.7	5.2	6.3	4.7	5.9	6.0	6.1	5.8	6.0	7.2	4.6	4.1	5.4
16 to 20 hours	2.7	2.5	3.0	2.4	2.7	2.8	2.3	2.7	2.9	3.3	2.8	2.6	3.1
Over 20 hours	3.5	3.4	3.5	3.5	3.2	3.0	2.9	3.6	3.5	3.5	4.7	5.0	4.1
<b>Exercise or sports</b>													
None	9.2	10.0	8.4	11.1	8.6	8.7	7.4	9.0	8.6	7.4	15.2	15.0	15.6
Less than one hour	8.5	8.7	8.3	9.5	7.6	7.9	6.8	7.8	8.6	7.6	10.7	10.2	11.6
1 to 2 hours	14.6	14.8	14.4	15.7	13.7	13.4	14.2	13.7	14.5	14.2	19.1	19.5	18.3
3 to 5 hours	18.2	17.1	19.4	17.5	16.7	16.2	17.4	16.9	19.2	20.3	17.4	17.5	17.3
6 to 10 hours	18.5	17.2	19.9	16.9	17.6	17.5	19.4	16.8	19.8	20.3	14.4	14.0	15.2
11 to 15 hours	13.8	13.5	14.1	12.5	14.6	15.1	15.2	13.7	14.1	14.2	8.4	8.4	8.6
16 to 20 hours	7.8	8.2	7.3	7.2	9.3	9.8	8.7	9.2	7.2	7.8	4.9	4.8	5.0
Over 20 hours	9.4	10.6	8.0	9.5	11.9	11.5	11.0	12.8	8.0	8.2	9.8	10.6	8.4
<b>Working (for pay)</b>													
None	43.3	43.4	43.2	47.6	38.5	39.7	34.7	39.2	41.6	48.9	40.8	38.2	45.3
Less than one hour	3.4	3.2	3.6	2.8	3.7	3.8	3.0	3.9	3.4	4.1	3.2	3.7	2.5
1 to 2 hours	5.0	5.0	5.0	4.5	5.5	5.4	5.3	5.7	4.8	5.6	4.8	5.1	4.4
3 to 5 hours	8.4	8.4	8.5	7.4	9.6	9.7	9.9	9.4	8.2	9.6	8.1	8.4	7.6
6 to 10 hours	11.2	11.2	11.3	9.9	12.7	12.4	14.1	12.2	11.5	10.6	11.1	11.7	10.0
11 to 15 hours	9.5	9.2	9.9	8.3	10.4	10.0	12.0	9.9	10.4	8.2	7.0	6.5	7.7
16 to 20 hours	8.7	8.7	8.8	8.5	8.9	8.4	9.8	8.9	9.4	6.5	8.8	9.0	8.3
Over 20 hours	10.4	11.0	9.8	11.1	10.8	10.6	11.2	10.8	10.7	6.4	16.2	17.3	14.2
<b>Household/childcare duties</b>													
None	23.1	23.8	22.2	23.0	24.8	26.6	20.2	25.3	21.0	26.3	29.2	29.0	29.5
Less than one hour	16.8	16.1	17.6	15.5	16.9	17.5	16.4	16.5	17.5	18.0	14.0	14.1	13.9
1 to 2 hours	27.4	26.4	28.6	26.6	26.2	25.6	27.6	26.1	28.8	27.9	21.3	22.0	20.2
3 to 5 hours	19.0	18.8	19.2	19.0	18.5	17.7	20.2	18.5	19.9	16.9	16.2	15.3	17.9
6 to 10 hours	7.4	7.8	6.9	8.0	7.5	7.1	8.5	7.4	7.0	6.5	8.1	7.5	9.3
11 to 15 hours	2.8	3.0	2.6	3.3	2.6	2.3	2.9	2.6	2.7	2.1	3.8	3.8	3.7
16 to 20 hours	1.4	1.5	1.2	1.6	1.4	1.3	1.7	1.5	1.3	1.0	1.9	2.0	1.8
Over 20 hours	2.2	2.6	1.7	2.9	2.1	2.0	2.4	2.2	1.8	1.4	5.4	6.3	3.8

PRE-PUBLICATION VERSION 4-19-2017

2016 CIRP Freshman Survey

Weighted National Norms—All Respondents

All Respondents	All Bacc Institutions	Baccalaureate Institutions		4-year Colleges					Universities		Black Colleges and Universities		
		4-yr Coll	Universities	Public	Private	Nonsec	Catholic	Oth Relig	Public	Private	All HBCU	Public	Private
<b>The following reasons were "Very Important" in deciding to go to this particular college:</b>													
My parents/relatives wanted me to come here	16.6	17.6	15.4	18.6	16.5	15.4	18.7	16.5	15.5	14.9	22.8	21.9	24.3
My teacher advised me	7.3	8.3	6.1	8.6	7.9	8.3	8.3	7.4	6.1	6.2	12.9	14.0	11.0
This college has a very good academic reputation	64.6	61.6	67.9	59.3	64.3	63.9	70.2	61.6	66.9	72.0	54.8	49.4	64.6
This college has a good reputation for its social and extracurricular activities	50.8	49.1	52.8	47.4	51.2	50.4	50.7	52.2	52.7	53.0	52.8	52.1	54.1
I was offered financial assistance	46.6	50.6	42.0	40.3	62.7	61.7	65.3	62.5	39.2	52.4	53.6	51.7	57.0
The cost of attending this college	47.2	46.7	47.7	52.2	40.3	41.2	44.9	37.0	51.7	32.9	49.9	53.3	43.8
High school counselor advised me	10.4	11.6	9.0	12.0	11.1	12.5	12.7	8.9	8.8	9.7	18.3	19.9	15.3
Private college counselor advised me	5.1	6.0	4.0	4.7	7.6	7.7	7.8	7.4	3.3	6.7	11.5	12.2	10.3
I wanted to live near home	21.0	24.6	17.0	28.5	20.0	16.9	26.7	19.7	17.7	14.3	21.0	22.9	17.8
Not offered aid by first choice	11.5	11.0	12.0	10.8	11.4	11.6	13.8	9.9	12.5	10.3	19.3	19.3	19.3
Could not afford first choice	15.0	14.5	15.5	16.0	12.9	13.4	15.2	11.2	16.9	10.1	22.8	24.1	20.6
This college's graduates gain admission to top graduate/professional schools	33.1	30.8	35.7	28.8	33.1	33.8	39.6	29.1	34.2	41.4	36.9	31.5	46.7
This college's graduates get good jobs	54.9	53.7	56.2	51.2	56.6	54.5	64.9	54.5	53.9	64.7	54.0	49.1	62.8
I was attracted by the religious affiliation/orientation of this college	9.1	12.4	5.2	5.5	20.4	8.3	20.4	32.6	3.0	13.2	16.4	15.8	17.4
I wanted to go to a school about the size of this college	37.3	39.9	34.3	29.2	52.4	51.9	53.5	52.5	31.5	44.4	38.2	36.8	40.8
Rankings in national magazines	17.9	13.8	22.6	12.0	15.9	16.6	18.9	13.7	21.4	27.1	17.2	14.4	22.2
I was admitted through an Early Action or Early Decision program	15.2	12.6	18.1	7.6	18.4	22.6	20.4	13.1	16.4	24.6	14.7	12.8	18.3
A visit to this campus	46.7	47.8	45.3	39.9	57.0	58.3	56.5	55.9	42.7	55.0	44.9	44.2	46.1
This college's graduates make a difference in the world	39.7	40.8	38.5	39.1	42.8	41.8	45.2	42.7	35.2	50.3	48.6	44.6	55.7
<b>Students rated as "Highest 10%" or "Above Average" as compared with the average person their age:</b>													
Academic ability	72.6	65.8	80.1	65.6	65.9	67.0	64.8	65.4	79.8	81.4	64.8	62.0	69.9
Artistic ability	30.7	31.2	30.2	31.6	30.7	30.9	26.5	32.6	29.3	33.9	36.0	35.4	37.1
Compassion	69.7	69.4	70.0	68.4	70.7	69.4	72.5	71.1	69.3	72.6	69.7	68.4	72.0
Creativity	52.6	52.8	52.3	53.2	52.3	52.5	49.5	53.6	51.5	55.6	61.9	61.9	61.8
Drive to achieve	76.4	75.4	77.4	75.8	74.9	73.9	76.1	75.3	76.9	79.5	80.9	79.3	83.7
Emotional health	47.3	46.8	47.8	47.2	46.4	44.8	48.2	47.2	47.8	47.6	51.7	51.4	52.3
Leadership ability	62.8	61.6	64.2	61.1	62.1	60.7	62.0	63.6	63.5	67.4	69.0	68.0	70.8
Mathematical ability	47.7	41.8	54.2	43.0	40.3	40.7	41.3	39.3	54.4	53.7	39.9	38.1	43.1
Physical health	53.4	52.8	54.0	51.5	54.2	54.2	54.2	54.2	54.0	54.2	51.8	51.0	53.1
Public speaking ability	40.2	38.1	42.6	37.7	38.5	39.4	37.2	38.1	41.2	48.0	42.4	40.7	45.5
Risk-taking	44.1	43.7	44.4	44.6	42.7	42.5	42.3	42.9	44.0	45.8	52.6	52.5	52.7
Self-confidence (intellectual)	59.3	56.3	62.7	56.8	55.6	55.4	53.8	56.6	62.4	63.9	69.4	69.3	69.4
Self-confidence (social)	46.1	46.7	45.5	47.8	45.3	44.0	44.7	46.8	45.2	46.3	62.3	63.2	60.5
Spirituality	35.8	38.7	32.6	37.5	40.0	33.1	39.0	47.3	31.8	35.7	55.8	54.9	57.4
Understanding of others	73.2	72.4	74.2	72.9	71.9	71.4	73.5	71.5	73.8	75.7	73.4	72.7	74.5
Writing ability	48.3	45.2	51.8	44.9	45.6	46.2	45.7	45.0	50.3	57.7	50.8	48.9	54.2

## PRE-PUBLICATION VERSION 4-19-2017

## 2016 CIRP Freshman Survey

## Weighted National Norms—All Respondents

All Respondents	All Bacc Institutions	Baccalaureate Institutions		4-year Colleges					Universities		Black Colleges and Universities		
		4-yr Coll	Universities	Public	Private	Nonsec	Catholic	Oth Relig	Public	Private	All HBCU	Public	Private
<b>Military Status:</b>													
None	96.1	93.6	98.9	89.1	99.0	99.1	98.6	99.0	98.8	99.2	97.2	97.0	97.6
ROTC, cadet, or midshipman at a service academy	3.5	5.8	0.9	10.1	0.8	0.7	1.2	0.7	0.9	0.7	2.2	2.4	1.9
In the Reserves or National Guard	0.2	0.2	0.1	0.2	0.1	0.1	0.1	0.2	0.1	0.1	0.4	0.4	0.3
On Active Duty	0.2	0.3	0.0	0.5	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1
A discharged veteran NOT serving in Active Duty, Reserves, or National Guard	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.1	0.0	0.2	0.2	0.1
<b>How many years do you expect it will take you to graduate from this college?</b>													
1	0.1	0.1	0.0	0.0	0.1	0.1	0.0	0.1	0.0	0.0	0.2	0.3	0.1
2	0.6	0.6	0.6	0.7	0.5	0.5	0.4	0.6	0.7	0.3	0.6	0.5	0.7
3	3.0	2.5	3.4	2.3	2.7	2.2	1.6	3.9	3.6	2.7	4.5	4.0	5.4
4	86.4	86.2	86.7	84.0	88.7	90.4	86.8	87.9	87.0	85.6	84.4	86.1	81.4
5	6.7	7.1	6.3	9.4	4.5	3.2	7.2	4.5	5.6	9.1	4.3	4.7	3.5
6 or more	2.0	2.0	1.9	1.9	2.1	2.4	3.1	1.4	2.0	1.5	4.1	2.9	6.1
Do not plan to graduate from this college	1.2	1.5	0.9	1.6	1.3	1.3	0.9	1.6	1.0	0.8	1.9	1.4	2.8
<b>What is your sexual orientation?</b>													
Heterosexual/Straight	91.8	92.0	91.5	91.9	92.2	89.3	94.2	94.0	91.6	91.3	91.7	92.3	90.7
Gay	1.3	1.1	1.4	1.1	1.1	1.3	0.8	0.9	1.4	1.8	1.2	0.8	1.9
Lesbian	0.7	0.8	0.6	0.9	0.7	0.9	0.5	0.6	0.6	0.5	1.4	1.5	1.2
Bisexual	4.2	4.0	4.4	4.2	3.9	5.2	3.0	3.0	4.4	4.4	4.4	4.3	4.6
Queer	0.6	0.5	0.6	0.4	0.6	1.1	0.4	0.3	0.6	0.6	0.2	0.1	0.3
Other	1.6	1.6	1.5	1.6	1.6	2.1	1.2	1.2	1.6	1.4	1.1	1.0	1.2
<b>Do you identify as transgender?</b>													
Yes	0.4	0.4	0.4	0.4	0.5	0.7	0.3	0.4	0.4	0.3	0.4	0.5	0.2
No	99.6	99.6	99.6	99.6	99.5	99.3	99.7	99.6	99.6	99.7	99.6	99.5	99.8
<b>Students with disabilities or medical conditions</b>													
Learning Disability (dyslexia, etc.)	3.3	4.0	2.5	3.1	5.1	5.7	4.8	4.6	2.3	3.1	3.6	3.9	3.1
Attention deficit hyperactivity disorder (ADHD)	6.5	6.9	6.0	5.6	8.6	9.4	7.0	8.5	5.8	6.9	6.4	6.7	5.9
Autism spectrum disorder	0.7	0.8	0.6	0.7	0.9	0.8	0.7	0.9	0.6	0.5	0.7	0.9	0.5
Physical disability (speech, sight, mobility, hearing, etc.)	5.0	5.2	4.7	5.4	5.1	5.0	4.7	5.5	4.9	4.1	6.0	6.3	5.6
Chronic illness (cancer, diabetes, autoimmune disorders, etc.)	2.6	2.5	2.7	2.1	3.0	3.0	3.0	3.0	2.7	2.8	2.4	2.3	2.5
Psychological disorder (depression, etc.)	10.7	10.5	11.1	8.9	12.3	13.7	11.0	11.6	10.9	11.6	5.5	5.0	6.3
Other	4.9	5.1	4.6	4.6	5.8	5.8	5.8	5.7	4.7	4.4	6.0	5.5	6.8
<b>Will you pursue a science-related research career?</b>													
Definitely yes	15.8	14.0	17.8	14.6	13.3	13.7	15.5	11.8	18.9	13.6	17.3	15.1	21.0
Probably yes	19.8	17.9	21.8	19.0	16.7	17.7	16.9	15.7	22.9	17.8	17.3	17.1	17.8
Uncertain	21.7	21.8	21.6	22.8	20.5	21.0	21.8	19.4	22.2	19.3	19.1	20.5	16.5
Probably no	24.9	26.3	23.3	26.0	26.7	26.8	25.2	27.3	22.4	26.6	24.6	26.7	21.0
Definitely no	17.9	20.0	15.5	17.6	22.7	20.8	20.6	25.8	13.6	22.7	21.7	20.6	23.7
<b>Students who "Strongly Agree" or "Agree Somewhat"</b>													
I have a strong sense of belonging to a community of scientists	26.8	23.6	30.5	23.9	23.4	24.8	26.3	20.3	31.3	27.6	27.4	23.8	33.6
I derive great personal satisfaction from working on a team that is doing important research	49.7	45.6	54.4	46.9	44.1	46.0	47.4	40.4	55.0	52.3	46.5	44.2	50.7
I think of myself as a scientist	20.7	16.8	25.2	17.1	16.5	18.6	17.5	13.8	25.7	23.1	18.6	15.6	23.8
I feel like I belong in the field of science	35.0	29.9	40.9	30.2	29.5	30.7	34.3	25.9	42.6	34.9	28.8	23.9	37.4

PRE-PUBLICATION VERSION 4-19-2017

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		4-yr Coll	Universities	Public	Private	Nonsec	Catholic	Oth Relig	Public	Private	All HBCU	Public	Private
<b>Objectives considered to be "Essential" or "Very Important":</b>													
Becoming accomplished in one of the performing arts (acting, dancing, etc.)	17.5	19.0	15.8	18.6	19.6	18.7	15.6	22.6	14.8	19.1	30.7	30.7	30.7
Becoming an authority in my field	58.7	58.0	59.5	58.5	57.5	58.0	59.2	56.2	58.2	64.1	71.1	68.4	75.7
Obtaining recognition from my colleagues for contributions to my special field	57.1	55.9	58.5	56.0	55.8	57.2	59.8	52.3	57.9	60.6	66.3	63.3	71.6
Influencing the political structure	26.9	26.6	27.2	26.9	26.2	28.1	27.3	23.6	26.0	31.6	41.9	39.4	46.1
Influencing social values	48.5	49.0	48.0	48.1	50.1	49.9	52.0	49.2	46.1	54.6	61.6	58.4	67.1
Raising a family	71.7	73.0	70.1	71.7	74.5	70.3	79.1	76.3	69.9	70.7	76.5	75.2	78.9
Being very well off financially	82.3	82.0	82.6	84.6	79.0	78.8	84.9	76.0	83.4	80.0	86.4	84.0	90.6
Helping others who are in difficulty	77.5	77.4	77.6	76.3	78.7	76.8	81.8	79.1	76.9	80.0	77.9	75.1	83.1
Making a theoretical contribution to science	25.9	23.3	29.0	23.4	23.2	24.4	26.3	20.3	30.0	25.8	34.6	32.7	38.1
Writing original works (poems, novels, etc.)	18.2	19.1	17.2	18.1	20.3	21.6	17.0	20.7	16.3	20.1	31.4	31.2	31.9
Creating artistic works (painting, sculpture, etc.)	17.7	19.2	15.9	18.9	19.4	20.3	16.4	20.1	15.2	18.2	27.7	27.9	27.5
Becoming successful in a business of my own	41.5	42.9	39.7	43.7	42.0	42.6	44.0	40.5	38.5	43.9	70.0	68.1	73.4
Becoming involved in programs to clean up the environment	33.8	33.6	34.0	34.2	32.9	36.2	33.1	29.4	33.5	35.6	48.8	47.7	50.8
Developing a meaningful philosophy of life	46.8	45.2	48.6	44.3	46.3	47.8	45.6	45.2	46.8	54.9	55.9	53.8	59.6
Participating in a community action program	35.8	35.1	36.7	33.3	37.0	37.2	40.3	35.2	34.9	43.1	55.1	51.7	61.3
Helping to promote racial understanding	46.9	47.0	46.8	46.9	47.1	49.8	46.9	44.6	45.1	52.6	69.4	65.9	75.8
Keeping up to date with political affairs	46.0	42.9	49.6	43.2	42.5	45.1	43.8	39.3	47.9	55.4	53.0	49.9	58.3
Becoming a community leader	43.1	42.3	44.1	41.2	43.6	43.9	44.8	42.6	42.2	50.7	60.4	58.7	63.4
Improving my understanding of other countries and cultures	59.3	57.2	61.9	56.2	58.4	60.3	58.2	56.6	59.4	70.4	63.5	60.2	69.3
Integrating spirituality into my life	42.8	46.8	38.1	43.7	50.3	40.5	49.3	60.7	36.2	44.8	68.0	66.1	71.6
<b>Students estimate "Very Good Chance" that they will:</b>													
Change major field	12.2	11.2	13.5	12.2	10.0	11.0	9.5	9.2	13.7	12.7	9.0	9.2	8.8
Change career choice	12.3	10.8	14.1	10.5	11.0	12.6	9.8	10.0	13.9	14.6	7.7	7.7	7.8
Participate in student government	8.1	8.0	8.3	8.3	7.5	7.9	8.3	6.7	7.8	10.1	16.2	14.7	18.8
Get a job to help pay for college expenses	50.4	50.0	50.9	50.4	49.6	47.6	52.8	50.0	52.7	44.9	48.9	48.2	50.1
Join a social fraternity or sorority	12.8	11.1	14.8	12.2	9.8	10.2	9.5	9.6	14.4	16.3	33.7	31.6	37.5
Transfer to another college before graduating	5.2	5.9	4.3	6.6	5.2	5.0	4.2	5.9	4.4	3.8	10.7	10.4	11.4
Participate in volunteer or community service work	36.1	33.9	38.8	30.6	37.7	35.5	41.8	37.7	36.4	47.0	41.9	35.8	52.5
Seek personal counseling	13.9	14.0	13.7	14.1	13.8	14.7	13.3	13.1	13.3	15.3	18.3	16.7	21.1
Communicate regularly with your professors	47.8	46.8	48.9	43.6	50.6	52.6	52.7	47.4	46.5	57.1	45.8	41.9	52.7
Participate in student clubs/groups	50.4	45.9	55.8	43.7	48.5	51.1	53.5	43.2	53.7	63.2	45.0	40.3	53.1
Participate in a study abroad program	32.8	29.7	36.5	24.0	36.2	40.0	37.1	31.9	33.3	47.6	31.1	26.0	40.2
Work on a professor's research project	22.3	19.7	25.5	18.4	21.2	23.3	22.4	18.4	24.7	28.5	31.7	30.3	34.1
Get tutoring help in specific courses	34.7	35.5	33.6	37.6	33.1	33.8	38.1	29.8	34.0	32.5	46.5	44.0	50.8
Take courses from more than one college simultaneously	6.3	6.0	6.5	6.1	6.0	6.4	6.9	5.1	6.5	6.8	12.9	11.9	14.9
Take a leave of absence from this college temporarily	2.1	2.4	1.7	2.6	2.3	2.3	2.5	2.1	1.6	2.1	6.9	7.1	6.5
Take a course exclusively online	5.5	6.1	4.7	6.7	5.4	4.2	5.1	6.7	5.1	3.6	11.0	11.4	10.3
Vote in a local, state, or national election	61.9	57.5	67.1	57.1	57.9	57.2	59.9	57.7	67.3	66.4	57.7	52.3	67.2

## PRE-PUBLICATION VERSION 4-19-2017

## 2016 CIRP Freshman Survey

## Weighted National Norms—All Respondents

All Respondents	All Bacc Institutions	Baccalaureate Institutions		4-year Colleges					Universities		Black Colleges and Universities		
		4-yr Coll	Universities	Public	Private	Nonsec	Catholic	Oth Relig	Public	Private	All HBCU	Public	Private
<b>CIRP Construct: Habits of Mind</b>													
High	33.0	37.3	28.5	37.1	37.4	34.9	36.6	40.3	29.2	25.3	38.5	41.3	33.5
Average	43.7	42.0	45.6	42.7	41.1	41.9	40.7	40.4	45.8	44.7	37.9	37.5	38.5
Low	23.3	20.8	26.0	20.2	21.5	23.2	22.7	19.2	25.1	29.9	23.6	21.2	28.0
Mean	48.92	48.07	49.82	47.95	48.20	48.75	48.56	47.46	49.59	50.77	48.23	47.62	49.32
<b>CIRP Construct: Academic Self-Concept</b>													
High	26.9	33.2	20.1	33.1	33.3	32.7	34.0	33.5	20.4	18.8	31.2	33.2	27.4
Average	49.1	47.4	51.0	47.2	47.6	47.9	47.3	47.5	51.6	48.5	42.6	40.8	45.9
Low	24.0	19.4	29.0	19.7	19.1	19.4	18.8	19.0	28.1	32.6	26.2	25.9	26.7
Mean	50.19	48.89	51.63	49.02	48.73	48.82	48.70	48.65	51.48	52.25	50.39	50.07	50.97
<b>CIRP Construct: Social Self-Concept</b>													
High	31.8	33.1	30.4	33.0	33.1	34.0	33.3	32.1	31.2	27.3	24.2	24.3	24.0
Average	42.3	41.4	43.3	40.9	42.0	41.9	42.2	42.0	43.1	44.0	37.9	38.2	37.4
Low	25.9	25.5	26.3	26.0	24.9	24.1	24.5	25.9	25.7	28.6	37.9	37.5	38.7
Mean	50.14	49.95	50.35	49.97	49.93	49.73	49.95	50.10	50.15	51.16	52.79	52.75	52.86
<b>CIRP Construct: Pluralistic Orientation</b>													
High	26.6	29.7	23.4	28.8	30.7	28.5	28.5	34.1	23.8	21.7	31.7	34.7	26.3
Average	43.3	41.8	44.9	41.6	42.1	42.9	42.7	40.9	45.0	44.3	35.2	34.1	37.0
Low	30.1	28.5	31.8	29.6	27.2	28.7	28.8	25.0	31.2	34.0	33.1	31.2	36.7
Mean	50.15	49.57	50.77	49.82	49.28	49.71	49.72	48.62	50.67	51.19	49.83	49.19	50.98
<b>CIRP Construct: Social Agency</b>													
High	21.5	21.6	21.4	22.9	20.1	19.8	18.2	21.4	23.1	15.4	8.8	9.7	7.2
Average	44.1	44.8	43.3	44.6	44.9	44.0	45.1	45.8	43.7	41.9	36.1	39.8	29.5
Low	34.4	33.6	35.3	32.5	35.0	36.1	36.7	32.9	33.2	42.8	55.1	50.5	63.3
Mean	51.65	51.53	51.80	51.25	51.85	52.04	52.37	51.38	51.29	53.59	56.51	55.55	58.21
<b>CIRP Construct: Civic Engagement</b>													
High	19.2	20.7	17.6	22.3	18.8	18.6	16.6	20.0	18.5	13.5	14.7	16.1	12.2
Average	42.8	43.5	42.0	44.1	42.9	42.1	40.9	44.6	42.6	39.3	37.1	39.5	32.8
Low	38.1	35.8	40.5	33.6	38.4	39.2	42.5	35.5	38.9	47.1	48.2	44.4	55.0
Mean	52.63	52.11	53.17	51.66	52.66	52.85	53.35	52.12	52.86	54.50	54.63	53.83	56.05
<b>CIRP Construct: College Reputation Orientation</b>													
High	32.6	34.6	30.5	36.9	31.7	32.4	24.7	34.7	32.2	23.8	35.4	40.0	27.2
Average	37.1	37.5	36.7	37.4	37.7	37.0	37.7	38.4	36.5	37.4	32.2	33.5	29.8
Low	30.2	27.9	32.9	25.7	30.5	30.6	37.6	26.9	31.3	38.8	32.4	26.5	42.9
Mean	49.82	49.38	50.33	48.84	50.02	49.88	51.67	49.33	49.94	51.76	49.57	48.45	51.57
<b>CIRP Construct: Likelihood of College Involvement</b>													
High	29.4	32.9	25.2	35.8	29.5	27.6	25.6	33.6	27.3	17.8	30.8	35.6	22.4
Average	40.7	40.6	40.8	41.4	39.7	39.5	39.2	40.0	41.8	37.3	37.7	38.0	37.1
Low	29.9	26.5	34.0	22.8	30.8	32.9	35.3	26.4	30.9	44.8	31.5	26.4	40.5
Mean	49.62	48.82	50.58	48.16	49.58	50.01	50.51	48.65	50.04	52.45	49.42	48.16	51.65
<b>CIRP Construct: Science Self-Efficacy</b>													
High	28.9	33.9	23.6	33.8	34.0	32.8	30.4	37.0	23.5	23.7	35.0	38.3	29.0
Average	45.3	44.1	46.6	44.1	44.2	44.9	44.7	43.2	46.9	45.4	38.2	37.2	40.1
Low	25.7	22.0	29.8	22.1	21.8	22.3	24.9	19.8	29.5	30.8	26.8	24.5	30.9
Mean	50.17	49.02	51.40	48.94	49.12	49.41	50.19	48.29	51.35	51.58	49.97	49.24	51.28
<b>CIRP Construct: Science Identity</b>													
High	29.3	32.6	25.4	31.2	34.3	32.0	30.1	38.8	23.6	31.7	32.0	32.9	30.3
Average	40.1	41.6	38.4	42.6	40.5	41.0	41.4	39.5	39.0	36.4	41.6	45.2	35.4
Low	30.6	25.8	36.2	26.2	25.3	27.1	28.5	21.8	37.4	31.9	26.4	21.9	34.4
Mean	50.14	49.16	51.27	49.41	48.87	49.42	49.86	47.81	51.63	49.96	49.64	49.05	50.70

**2016 National Norms**

**First-Time, Full-Time Freshmen  
by Institutional Type  
Male Respondents**



PRE-PUBLICATION VERSION 4-19-2017

2016 CIRP Freshman Survey

Weighted National Norms—Male Respondents

Men	All Bacc Institutions	Baccalaureate Institutions		4-year Colleges					Universities		Black Colleges and Universities		
		4-yr Coll	Universities	Public	Private	Nonsec	Catholic	Oth Relig	Public	Private	All HBCU	Public	Private
<b>First-time Full-time Freshmen</b>	58,000	33,854	24,146	13,638	20,216	9,834	3,698	6,684	16,130	8,016	1,842	787	1,055
<b>Is English your primary language?</b>													
Yes	94.2	94.4	94.1	94.0	94.8	93.5	95.7	95.8	94.7	91.2	98.9	99.2	98.5
No	5.8	5.6	5.9	6.0	5.2	6.5	4.3	4.2	5.3	8.8	1.1	0.8	1.5
<b>In what year did you graduate from high school?</b>													
2016	97.3	96.6	98.1	96.3	96.9	96.7	98.5	96.4	98.1	97.8	94.2	92.9	96.7
2015	1.8	2.4	1.3	2.5	2.2	2.4	1.0	2.6	1.2	1.6	3.4	4.6	1.3
2014 or earlier	0.8	1.0	0.6	1.1	0.8	0.8	0.4	0.9	0.6	0.6	2.0	2.2	1.7
Did not graduate but passed G.E.D. test	0.1	0.1	0.0	0.1	0.1	0.1	0.1	0.2	0.1	0.0	0.3	0.3	0.3
<b>Are you enrolled (or enrolling) as a:</b>													
Full-time student	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Part-time student	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
<b>How many miles is this college from your permanent home?</b>													
5 or less	5.4	7.1	3.7	9.0	4.7	4.0	6.9	4.5	3.7	3.9	6.8	7.8	4.9
6 to 10	7.1	8.9	5.3	12.1	5.0	4.0	10.0	3.8	5.4	4.8	5.9	5.2	7.1
11 to 50	24.7	27.7	21.9	33.8	20.2	17.1	27.7	20.2	22.3	19.9	16.1	15.9	16.5
51 to 100	15.0	13.6	16.3	11.1	16.6	18.2	15.5	15.5	18.1	8.2	15.6	20.6	6.3
101 to 500	30.6	25.0	36.1	20.1	31.0	30.1	24.8	34.7	38.8	24.2	31.5	34.8	25.4
Over 500	17.2	17.7	16.7	13.9	22.4	26.6	15.1	21.3	11.7	38.9	24.1	15.6	39.9
<b>What was your average grade in high school?</b>													
A or A+	23.7	18.4	28.9	17.0	20.1	19.8	19.2	20.9	27.5	35.5	9.5	7.5	13.4
A-	25.9	21.8	29.9	19.9	24.2	24.8	24.4	23.4	29.6	31.1	10.2	7.6	15.2
B+	21.3	22.2	20.4	22.4	21.8	22.3	25.3	19.7	21.2	16.8	21.0	19.4	24.1
B	19.5	24.3	14.8	27.6	20.3	21.0	20.1	19.6	15.5	11.6	26.6	28.1	23.6
B-	6.1	8.3	3.9	8.6	8.0	7.6	7.3	8.6	4.1	3.3	16.2	18.4	12.1
C+	2.4	3.5	1.4	3.2	3.8	3.0	2.9	5.1	1.5	1.2	10.1	12.0	6.5
C	1.1	1.6	0.6	1.3	1.8	1.4	0.8	2.7	0.6	0.5	6.1	6.8	5.0
D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.2
<b>Prior to this term, have you ever taken courses for credit at this institution?</b>													
Yes	6.2	7.2	5.2	7.9	6.3	6.2	5.9	6.6	5.4	4.5	11.6	11.9	11.2
No	93.8	92.8	94.8	92.1	93.7	93.8	94.1	93.4	94.6	95.5	88.4	88.1	88.8
<b>Since leaving high school, have you ever taken courses, whether for credit or not for credit, at any other institution (university, 4- or 2-year college, technical, vocational, or business school)?</b>													
Yes	9.9	10.0	9.7	9.9	10.2	9.3	9.2	11.7	9.8	9.3	14.2	13.0	16.4
No	90.1	90.0	90.3	90.1	89.8	90.7	90.8	88.3	90.2	90.7	85.8	87.0	83.6
<b>Where do you plan to live during the fall term?</b>													
With my family or other relatives	18.1	25.0	11.5	36.6	10.8	8.3	20.8	9.0	12.0	9.0	10.3	10.0	11.0
Other private home, apartment, or room	3.3	2.0	4.5	2.7	1.2	1.3	1.1	1.0	5.2	1.6	3.5	3.7	3.2
College residence hall	75.0	69.7	80.2	56.6	85.6	87.4	76.9	87.7	78.4	88.1	83.2	83.3	83.0
Fraternity or sorority house	0.9	0.4	1.4	0.1	0.9	1.8	0.2	0.2	1.7	0.1	0.0	0.0	0.1
Other campus student housing	2.2	2.4	2.1	3.3	1.2	1.0	0.7	1.6	2.4	1.0	1.9	1.8	2.1
Other	0.4	0.5	0.3	0.6	0.4	0.3	0.4	0.5	0.4	0.1	1.0	1.2	0.7

## PRE-PUBLICATION VERSION 4-19-2017

## 2016 CIRP Freshman Survey

## Weighted National Norms—Male Respondents

Men	All Bacc Institutions	Baccalaureate Institutions		4-year Colleges					Universities		Black Colleges and Universities		
		4-yr Coll	Universities	Public	Private	Nonsec	Catholic	Oth Relig	Public	Private	All HBCU	Public	Private
<b>To how many colleges other than this one did you apply for admission this year?</b>													
None	11.9	12.5	11.4	12.5	12.5	12.2	9.6	14.1	12.3	7.3	9.8	11.0	7.5
1	8.2	8.0	8.3	8.7	7.2	5.7	6.0	9.3	9.3	4.2	5.3	6.6	3.1
2	10.7	10.7	10.8	11.3	10.0	7.7	8.7	13.0	11.9	5.6	11.0	12.9	7.5
3	14.2	15.6	12.9	17.0	14.0	12.3	12.8	16.3	13.9	8.4	17.5	17.9	16.8
4	11.5	12.8	10.3	13.5	11.9	11.2	11.9	12.7	10.6	9.1	14.2	13.8	14.9
5	9.7	10.2	9.3	9.7	10.7	11.2	12.2	9.7	9.5	8.8	10.5	10.2	11.1
6	7.8	8.0	7.6	7.6	8.6	9.5	10.5	6.8	7.4	8.6	8.5	8.1	9.2
7 to 8	12.5	11.7	13.4	11.7	11.6	13.4	14.3	8.6	12.4	17.6	10.4	9.5	12.0
9 to 10	6.8	5.7	8.0	4.7	6.8	8.0	7.9	5.1	6.8	13.5	5.6	4.3	8.1
11 or more	6.4	4.8	8.0	3.4	6.6	8.8	6.2	4.4	6.0	16.8	7.2	5.8	9.8
<b>Were you accepted by your first choice college?</b>													
Yes	71.7	74.6	68.9	71.0	78.9	76.9	78.4	81.1	70.6	61.6	73.7	72.9	75.0
No	28.3	25.4	31.1	29.0	21.1	23.1	21.6	18.9	29.4	38.4	26.3	27.1	25.0
<b>Is this college your:</b>													
First choice	56.9	57.7	56.2	56.5	59.1	58.0	57.5	61.0	57.4	50.9	39.9	37.9	43.6
Second choice	26.5	26.3	26.6	27.1	25.4	25.7	27.8	24.0	26.5	27.1	32.4	32.8	31.6
Third choice	10.6	10.4	10.7	10.7	9.9	10.7	10.0	9.0	10.2	13.3	17.3	18.7	14.8
Less than third choice	6.1	5.6	6.5	5.6	5.6	5.6	4.8	5.9	6.0	8.7	10.5	10.7	10.0
<b>Citizenship status:</b>													
U.S. citizen	95.0	95.3	94.7	95.8	94.7	92.9	96.7	95.6	95.9	89.4	97.5	97.4	97.6
Permanent resident (green card)	1.9	1.9	1.9	2.4	1.3	1.8	1.3	0.9	1.9	1.9	0.6	0.6	0.6
International student (F-1, J-1, or M-1 visa)	2.4	1.9	3.0	0.5	3.5	4.8	1.5	3.1	1.8	8.4	1.8	1.8	1.7
None of the above	0.7	1.0	0.4	1.3	0.5	0.5	0.5	0.5	0.5	0.3	0.2	0.2	0.1
<b>Please mark the sex of your parent(s) or guardian(s).</b>													
<b>Parent/Guardian 1</b>													
Female	25.9	28.6	23.3	29.2	27.9	29.1	27.8	26.8	23.5	22.4	56.4	59.1	51.4
Male	74.1	71.4	76.7	70.8	72.1	70.9	72.2	73.2	76.5	77.6	43.6	40.9	48.6
<b>Parent/Guardian 2</b>													
Female	78.1	76.8	79.3	76.9	76.7	75.6	75.6	78.4	79.2	79.7	56.2	55.0	58.3
Male	21.9	23.2	20.7	23.1	23.3	24.4	24.4	21.6	20.8	20.3	43.8	45.0	41.7
<b>Please mark which of the following courses you have completed:</b>													
Algebra II	98.1	97.6	98.6	98.2	96.9	97.1	97.8	96.3	98.8	97.6	93.0	92.0	94.8
Pre-calculus/Trigonometry	86.4	81.6	90.8	82.0	81.1	84.1	84.3	76.4	90.4	92.3	66.3	60.0	76.7
Probability & Statistics	36.6	34.7	38.3	32.3	37.4	40.3	32.8	36.6	37.4	42.2	24.8	21.5	30.2
Calculus	43.7	33.9	52.1	32.7	35.3	41.1	33.2	30.3	50.7	58.4	18.3	13.6	25.7
AP Probability & Statistics	24.9	17.7	31.1	17.9	17.5	20.5	15.8	15.4	30.8	32.7	8.8	5.3	14.6
AP Calculus	43.4	31.2	53.8	34.7	27.0	31.2	23.6	24.2	53.1	57.1	12.3	7.2	20.5
AP Computer Science	10.0	6.0	13.4	7.3	4.6	5.6	3.8	3.9	13.3	14.2	3.8	3.7	4.1
<b>How many weeks this summer did you participate in a bridge program at this institution?</b>													
Zero	94.5	92.6	96.4	91.3	94.2	93.2	95.8	94.5	96.5	95.9	88.8	91.6	83.7
One to two	2.0	2.6	1.3	1.8	3.5	4.0	2.6	3.3	1.0	2.8	2.1	1.2	3.5
Three to four	1.3	2.4	0.3	3.2	1.4	1.8	0.9	1.1	0.3	0.6	3.7	3.7	3.7
Five to six	1.5	1.9	1.1	2.8	0.8	0.8	0.5	0.8	1.2	0.5	5.1	3.3	8.3
Seven or more	0.7	0.6	0.8	0.8	0.2	0.2	0.2	0.2	1.0	0.1	0.4	0.2	0.7

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Men	All Bacc Institutions	Baccalaureate Institutions		4-year Colleges					Universities		Black Colleges and Universities		
		4-yr Coll	Universities	Public	Private	Nonsec	Catholic	Oth Relig	Public	Private	All HBCU	Public	Private
<b>During high school (grades 9-12) how many years did you study each of the following subjects?</b>													
Mathematics (3 years)	98.5	98.1	99.0	98.3	97.8	97.9	98.8	97.2	99.0	98.7	94.9	94.3	95.9
Foreign Language (2 years)	92.5	91.6	93.3	92.6	90.4	91.2	93.5	88.1	92.8	95.7	79.2	75.1	86.6
Physical Science (2 years)	65.7	62.2	69.1	63.1	61.2	64.0	63.3	57.3	68.2	73.2	45.6	40.8	54.2
Biological Science (2 years)	48.8	45.7	51.8	43.9	47.9	48.8	46.6	47.5	51.6	53.0	41.4	38.4	46.8
History/Am. Gov't (1 year)	98.5	98.2	98.7	98.2	98.2	98.1	98.9	97.8	98.9	97.9	96.0	95.2	97.6
Computer Science (1/2 year)	45.1	44.6	45.5	42.8	46.8	45.0	47.9	48.2	46.5	41.4	43.5	41.7	46.7
Arts and/or Music (1 year)	76.6	78.1	75.2	80.6	75.0	74.5	75.6	75.2	74.4	78.8	74.8	72.6	78.8
<b>How many Advanced Placement/International Baccalaureate courses did you take in high school?</b>													
<b>AP Courses</b>													
Not offered at my high school	6.6	7.8	5.4	5.7	10.4	10.2	7.0	12.2	4.8	8.5	10.8	12.0	8.5
None	18.7	26.4	11.3	25.1	27.9	24.9	29.7	30.2	11.5	10.5	40.7	47.5	28.6
1 to 4	43.7	45.9	41.5	47.2	44.3	45.3	47.2	42.0	42.9	35.0	40.5	35.4	49.6
5 to 9	25.4	17.1	33.4	18.9	14.8	16.9	14.2	13.0	32.9	36.1	6.3	3.5	11.3
10 to 14	5.2	2.6	7.7	2.9	2.1	2.4	1.7	2.0	7.4	8.8	1.3	1.2	1.6
15+	0.5	0.3	0.7	0.2	0.4	0.3	0.2	0.6	0.6	1.1	0.4	0.4	0.5
<b>IB Courses</b>													
Not offered at my high school	60.2	53.9	66.3	52.0	56.0	57.4	57.3	54.0	65.8	68.7	41.8	38.1	48.6
None	31.6	39.5	23.9	41.5	37.2	35.3	37.4	39.1	25.0	19.5	50.5	54.9	42.3
1 to 4	3.3	3.5	3.0	3.5	3.6	3.3	3.0	4.1	2.9	3.2	3.8	3.8	3.9
5 to 9	3.5	2.2	4.8	2.1	2.3	2.9	1.5	2.1	4.3	7.2	2.4	2.1	3.0
10 to 14	0.9	0.6	1.3	0.5	0.6	0.8	0.6	0.5	1.4	1.0	0.6	0.1	1.3
15+	0.5	0.4	0.7	0.4	0.3	0.4	0.2	0.3	0.7	0.5	0.9	1.0	0.9
<b>At any time since you turned 13, were you in foster care or were you a dependent of the court?</b>													
No	98.4	98.3	98.6	98.4	98.1	98.3	98.7	97.7	98.7	97.8	97.4	97.3	97.7
Yes	0.5	0.6	0.4	0.6	0.6	0.5	0.3	0.8	0.3	0.6	1.0	1.2	0.7
I don't know	1.1	1.1	1.0	1.0	1.3	1.2	1.0	1.5	0.9	1.6	1.5	1.5	1.6
<b>Do you consider yourself:</b>													
Pre-Med	15.5	13.3	17.7	11.8	15.1	14.2	17.9	14.7	17.7	17.7	17.5	14.6	22.8
Pre-Law	6.6	6.8	6.5	6.5	7.1	7.9	6.9	6.4	5.9	9.2	13.4	13.6	13.0
<b>Your intended major:</b>													
<b>Arts and Humanities</b>													
Art, fine and applied	0.7	1.1	0.4	1.2	1.0	1.1	0.6	1.0	0.4	0.5	0.6	0.3	1.3
English (language and literature)	0.7	0.7	0.7	0.6	0.8	0.9	0.6	0.6	0.7	0.9	0.7	0.0	2.0
History	1.1	1.4	0.8	1.5	1.2	1.4	0.9	1.2	0.8	0.9	0.7	0.8	0.6
Journalism/Communication	1.5	1.6	1.4	1.5	1.8	1.7	1.5	2.0	1.3	2.0	3.8	4.9	1.9
Classical and Modern Languages and Literature	0.2	0.2	0.2	0.2	0.3	0.3	0.1	0.4	0.2	0.2	0.2	0.3	0.0
Media/Film Studies	1.3	1.8	0.8	2.0	1.6	1.0	0.6	2.7	0.7	1.7	2.0	0.6	4.5
Music	1.5	1.7	1.2	1.5	2.0	1.6	0.4	3.2	1.1	1.5	2.3	2.3	2.3
Philosophy	0.4	0.4	0.4	0.3	0.5	0.5	0.6	0.4	0.3	0.6	0.4	0.2	0.6
Theatre/Drama	0.8	1.0	0.6	0.9	1.0	0.9	0.7	1.2	0.5	0.8	0.5	0.4	0.7
Theology/Religion	0.5	0.7	0.3	0.4	1.0	0.5	0.5	1.9	0.2	0.7	0.4	0.4	0.6
Other Arts and Humanities	0.6	0.7	0.4	0.7	0.7	0.8	0.3	0.7	0.4	0.7	0.7	0.5	1.1

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Men	All Bacc Institutions	Baccalaureate Institutions		4-year Colleges					Universities		Black Colleges and Universities		
		4-yr Coll	Universities	Public	Private	Nonsec	Catholic	Oth Relig	Public	Private	All HBCU	Public	Private
<b>Your intended major (continued):</b>													
<b>Biological &amp; Life Sciences</b>													
Biology (general)	6.3	5.2	7.5	4.4	6.1	5.9	8.9	5.2	7.7	6.5	7.9	5.3	12.5
Animal Biology (zoology)	0.5	0.6	0.4	0.6	0.5	0.7	0.3	0.4	0.4	0.2	0.5	0.7	0.3
Ecology & Evolutionary Biology	0.2	0.2	0.2	0.1	0.2	0.2	0.0	0.1	0.2	0.2	0.1	0.1	0.0
Marine Biology	0.6	0.8	0.4	0.7	0.9	1.2	0.4	0.8	0.4	0.4	0.4	0.1	0.9
Microbiology	0.3	0.2	0.4	0.2	0.1	0.2	0.1	0.0	0.5	0.2	0.1	0.2	0.0
Molecular, Cellular, & Developmental Biology	0.5	0.3	0.7	0.3	0.3	0.3	0.2	0.3	0.7	0.7	0.0	0.0	0.1
Neurobiology/Neuroscience	1.2	0.8	1.6	0.3	1.3	1.4	1.2	1.3	1.5	2.1	1.4	1.8	0.6
Plant Biology (botany)	0.1	0.1	0.2	0.1	0.1	0.2	0.0	0.1	0.2	0.1	0.0	0.0	0.1
Agriculture/Natural Resources	0.4	0.3	0.5	0.3	0.3	0.3	0.0	0.3	0.6	0.1	1.0	1.6	0.0
Biochemistry/Biophysics	1.6	1.0	2.3	0.9	1.1	1.1	1.3	0.9	2.4	1.7	0.2	0.0	0.7
Environmental Science	0.9	1.0	0.7	0.8	1.3	1.9	0.5	1.1	0.8	0.5	0.1	0.1	0.1
Other Biological Science	0.5	0.4	0.7	0.4	0.4	0.4	0.5	0.4	0.7	0.5	0.1	0.0	0.3
<b>Business</b>													
Accounting	2.1	2.7	1.6	2.4	3.1	2.2	5.6	2.8	1.5	2.2	2.4	3.0	1.4
Business Administration (general)	3.4	4.1	2.8	3.3	5.0	3.6	4.2	6.9	2.3	4.9	4.9	4.7	5.3
Entrepreneurship	1.0	1.0	1.0	0.7	1.3	1.5	0.7	1.3	0.8	1.8	1.8	2.3	1.0
Finance	4.0	2.9	5.1	2.0	3.9	3.5	8.2	2.3	4.7	7.0	2.1	1.4	3.4
Hospitality/Tourism	0.2	0.2	0.1	0.3	0.0	0.0	0.0	0.0	0.2	0.1	0.0	0.0	0.0
Human Resources Management	0.1	0.2	0.1	0.2	0.2	0.2	0.3	0.2	0.1	0.2	0.2	0.1	0.3
International Business	0.7	0.8	0.6	0.4	1.2	1.4	1.4	0.9	0.4	1.5	0.2	0.0	0.5
Marketing	2.2	2.6	1.9	2.4	2.7	2.4	4.2	2.4	1.8	2.1	3.1	2.5	4.2
Management	3.1	4.1	2.1	4.3	3.9	3.6	5.3	3.5	2.0	2.3	6.1	7.0	4.4
Computer/Management Information Systems	0.5	0.6	0.5	0.8	0.4	0.3	0.3	0.6	0.5	0.4	0.4	0.5	0.3
Real Estate	0.3	0.4	0.3	0.5	0.4	0.2	0.5	0.4	0.3	0.2	0.7	1.0	0.1
Other Business	0.9	0.9	0.8	0.4	1.4	1.7	1.7	1.1	0.8	1.1	0.7	0.8	0.5
<b>Education</b>													
Elementary Education	0.2	0.4	0.1	0.2	0.5	0.3	0.5	0.8	0.1	0.1	0.5	0.5	0.6
Music/Art Education	0.4	0.5	0.3	0.5	0.5	0.3	0.2	0.9	0.4	0.2	0.5	0.7	0.1
Physical Education/Recreation	0.4	0.5	0.2	0.3	0.8	0.5	0.4	1.4	0.2	0.0	1.1	1.1	1.0
Secondary School Teacher in a non-STEM subject	0.7	0.8	0.6	0.5	1.2	0.9	1.3	1.4	0.6	0.3	0.4	0.5	0.2
Special Education	0.5	0.6	0.4	0.5	0.7	0.7	0.7	0.7	0.5	0.3	0.4	0.5	0.3
Other Education	0.2	0.2	0.2	0.3	0.2	0.2	0.1	0.3	0.2	0.2	0.5	0.6	0.3
<b>Engineering</b>													
Aerospace/Aeronautical/Astronautical Engineering	1.4	2.1	0.8	3.6	0.3	0.3	0.1	0.2	0.9	0.5	0.4	0.5	0.4
Biological/Agricultural Engineering	0.1	0.1	0.2	0.1	0.0	0.0	0.0	0.0	0.2	0.1	0.2	0.3	0.1
Biomedical Engineering	1.1	0.5	1.7	0.6	0.5	0.6	0.4	0.4	1.6	2.1	0.7	0.4	1.2
Chemical Engineering	1.3	0.6	1.9	0.8	0.3	0.3	0.3	0.4	2.1	1.4	0.4	0.0	1.2
Civil Engineering	1.7	1.8	1.7	2.6	0.7	0.6	1.3	0.6	1.8	0.8	0.5	0.5	0.7
Computer Engineering	2.2	1.6	2.8	2.2	0.8	1.0	0.5	0.9	3.1	1.6	1.0	0.4	2.1
Electrical/Electronic Communications Engineering	1.8	1.6	2.1	2.0	1.0	1.2	1.5	0.6	2.3	1.1	1.3	1.4	1.0
Engineering Science/Engineering Physics	0.2	0.2	0.2	0.1	0.3	0.2	0.1	0.4	0.2	0.5	0.1	0.0	0.2
Environmental/Environmental Health Engineering	0.4	0.3	0.4	0.3	0.2	0.4	0.1	0.2	0.5	0.3	0.3	0.4	0.1
Industrial/Manufacturing Engineering	0.4	0.4	0.4	0.5	0.3	0.3	0.1	0.3	0.4	0.3	2.5	3.7	0.3
Materials Engineering	0.5	0.4	0.6	0.5	0.3	0.3	0.2	0.3	0.7	0.3	0.3	0.4	0.1
Mechanical Engineering	5.7	4.4	6.9	5.9	2.7	2.5	3.5	2.4	7.6	3.7	1.9	1.3	2.8
Other Engineering	1.0	1.1	0.8	1.5	0.7	0.8	0.6	0.7	0.9	0.6	0.8	1.0	0.5

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<b>Your intended major (continued):</b>													
<b>Health Professions</b>													
Clinical Laboratory Science	0.1	0.1	0.1	0.1	0.1	0.2	0.0	0.1	0.1	0.1	0.0	0.0	0.0
Health Care Administration/Studies	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.1	0.3	0.3	0.3	0.3
Health Technology	0.1	0.1	0.0	0.0	0.1	0.1	0.0	0.1	0.1	0.0	0.2	0.3	0.0
Kinesiology	1.5	2.0	1.1	2.6	1.2	0.8	0.4	2.1	1.2	0.6	2.8	3.1	2.4
Nursing	1.4	1.8	1.1	1.7	1.9	0.9	4.2	2.0	1.3	0.4	1.8	2.5	0.4
Pharmacy	0.5	0.4	0.5	0.2	0.7	0.7	1.1	0.4	0.5	0.8	1.1	0.1	2.8
Therapy (occupational, physical, speech)	1.3	1.8	0.7	1.4	2.4	2.2	1.6	3.0	0.7	0.7	3.6	5.2	0.6
Other Health Profession	1.2	1.4	0.9	1.1	1.8	1.6	1.5	2.2	0.9	1.1	0.6	0.7	0.4
<b>Math and Computer Science</b>													
Computer Science	6.6	5.6	7.5	6.9	4.1	4.8	3.9	3.6	7.8	6.2	6.1	5.5	7.2
Mathematics/Statistics	1.9	1.6	2.1	1.7	1.6	2.0	0.7	1.6	2.3	1.7	1.0	1.2	0.7
Other Math and Computer Science	0.6	0.5	0.7	0.5	0.5	0.5	0.1	0.6	0.6	0.8	0.3	0.3	0.3
<b>Physical Science</b>													
Astronomy & Astrophysics	0.3	0.2	0.4	0.1	0.2	0.2	0.1	0.2	0.4	0.1	0.0	0.0	0.0
Atmospheric Science	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.1	0.2	0.0	0.0	0.0	0.0
Chemistry	1.3	1.0	1.5	1.0	1.0	1.1	1.7	0.7	1.6	1.4	1.1	0.6	2.1
Earth & Planetary Sciences	0.2	0.1	0.3	0.1	0.1	0.1	0.1	0.1	0.3	0.1	0.0	0.0	0.0
Marine Sciences	0.1	0.1	0.1	0.2	0.1	0.1	0.0	0.2	0.1	0.0	0.1	0.2	0.1
Physics	1.1	0.8	1.4	0.8	0.9	1.2	0.4	0.7	1.5	1.1	0.4	0.1	0.9
Other Physical Science	0.1	0.2	0.1	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1
<b>Social Science</b>													
Anthropology	0.2	0.2	0.1	0.2	0.1	0.2	0.0	0.1	0.1	0.1	0.0	0.0	0.0
Economics	1.8	1.2	2.3	0.9	1.5	2.9	0.5	0.6	2.1	3.3	0.4	0.2	0.7
Ethnic/Cultural Studies	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.1	0.1	0.1	0.0	0.0	0.0
Geography	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.1
Political Science (gov't., international relations)	3.0	2.7	3.3	2.7	2.7	3.5	2.4	2.0	2.7	5.5	2.6	2.0	3.8
Psychology	2.0	2.3	1.7	2.1	2.4	2.6	2.2	2.4	1.7	1.6	4.4	4.3	4.5
Public Policy	0.1	0.1	0.2	0.1	0.1	0.1	0.0	0.1	0.2	0.3	0.0	0.0	0.1
Social Work	0.1	0.2	0.1	0.2	0.2	0.2	0.2	0.1	0.1	0.1	0.8	1.1	0.2
Sociology	0.3	0.4	0.3	0.5	0.3	0.4	0.4	0.2	0.2	0.3	0.9	0.8	1.0
Women's/Gender Studies	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Other Social Science	0.3	0.2	0.3	0.3	0.2	0.2	0.1	0.2	0.3	0.4	0.2	0.1	0.3
<b>Other Majors</b>													
Architecture/Urban Planning	0.6	0.7	0.5	0.5	0.9	1.2	1.2	0.5	0.4	0.7	0.3	0.4	0.2
Criminal Justice	2.3	3.4	1.3	3.7	3.0	3.0	2.3	3.4	1.3	1.1	5.3	7.1	2.2
Library Science	0.0	0.0	0.0	0.0	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Security & Protective Services	0.0	0.1	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Military Sciences/Technology/Operations	0.1	0.2	0.1	0.3	0.1	0.1	0.1	0.0	0.1	0.0	0.1	0.1	0.0
Other	1.8	2.2	1.5	1.6	2.9	2.8	0.9	3.9	1.5	1.5	2.2	2.9	1.0
Undecided	7.5	7.5	7.5	7.1	8.1	9.3	8.7	6.5	7.5	7.6	2.4	2.7	1.9

## PRE-PUBLICATION VERSION 4-19-2017

## 2016 CIRP Freshman Survey

## Weighted National Norms—Male Respondents

Men	All Bacc Institutions	Baccalaureate Institutions		4-year Colleges					Universities		Black Colleges and Universities		
		4-yr Coll	Universities	Public	Private	Nonsec	Catholic	Oth Relig	Public	Private	All HBCU	Public	Private
<b>Your intended career occupation</b>													
Actor or Entertainer	1.0	1.2	0.8	1.2	1.3	1.2	0.9	1.5	0.6	1.4	1.6	1.5	1.7
Artist	0.5	0.7	0.4	0.8	0.7	0.9	0.3	0.6	0.4	0.4	0.6	0.2	1.2
Graphic Designer	0.7	1.1	0.3	1.1	1.0	0.8	0.7	1.4	0.3	0.6	0.9	0.8	1.0
Musician	1.7	2.1	1.3	2.0	2.1	1.9	0.6	3.1	1.3	1.6	2.8	2.8	2.7
Writer/Producer/Director	1.8	2.3	1.4	2.1	2.5	2.1	1.0	3.6	1.1	2.6	2.7	1.5	4.8
Farmer or Forester	0.4	0.5	0.4	0.6	0.4	0.3	0.1	0.6	0.4	0.2	1.1	1.2	0.9
Natural Resource Specialist/Environmentalist	0.7	0.8	0.6	0.7	0.9	1.0	0.3	1.0	0.7	0.3	0.7	1.0	0.4
Accountant	1.7	2.1	1.3	1.7	2.6	2.1	5.0	1.9	1.3	1.6	1.4	1.6	1.0
Administrative Assistant	0.3	0.4	0.2	0.4	0.5	0.3	0.3	0.7	0.2	0.3	0.3	0.3	0.5
Business Manager/Executive	3.7	3.8	3.7	3.2	4.4	4.1	4.7	4.6	3.3	5.4	3.4	3.6	3.1
Business Owner/Entrepreneur	3.7	3.9	3.5	3.4	4.4	4.7	4.4	4.0	3.0	5.8	5.9	5.8	6.2
Retail Sales	0.4	0.4	0.4	0.5	0.4	0.4	0.4	0.5	0.4	0.3	0.9	0.8	1.0
Sales/Marketing	1.8	2.0	1.5	1.8	2.3	2.0	3.3	2.0	1.5	1.7	2.0	2.0	2.0
Human Resources	0.2	0.3	0.2	0.3	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.0	0.5
Finance (e.g., Actuary, Banking, Loan Officer, Planner)	3.6	2.8	4.3	2.0	3.7	3.8	6.6	2.3	4.0	6.0	1.1	0.7	1.8
Management Consultant	0.5	0.4	0.5	0.3	0.5	0.6	0.9	0.4	0.5	0.6	0.6	0.7	0.5
Real Estate Agent/Realtor/Appraiser/Developer	0.5	0.5	0.5	0.4	0.6	0.5	0.6	0.6	0.4	0.7	0.4	0.4	0.3
Sports Management	2.2	2.5	1.9	1.5	3.6	3.9	2.8	3.7	1.9	1.8	4.3	4.9	3.2
Journalist	0.7	0.5	0.8	0.3	0.7	0.8	0.4	0.7	0.8	1.0	0.6	0.3	1.1
Public/Media Relations	0.6	0.8	0.5	0.7	1.0	0.8	1.0	1.1	0.4	0.5	2.0	2.7	0.9
Advertising	0.3	0.3	0.3	0.3	0.3	0.2	0.3	0.4	0.3	0.2	0.0	0.0	0.1
College Administrator/Staff	0.3	0.3	0.2	0.3	0.4	0.4	0.1	0.5	0.3	0.1	0.5	0.8	0.1
College Faculty	0.5	0.5	0.5	0.4	0.7	0.8	0.3	0.7	0.4	0.6	0.2	0.2	0.3
Early Childcare Provider	0.6	0.8	0.4	0.8	0.7	0.5	0.7	0.9	0.4	0.5	0.6	0.9	0.1
Elementary School Teacher	0.8	1.2	0.4	1.0	1.4	1.1	0.9	1.8	0.4	0.6	1.5	1.6	1.2
Secondary School Teacher in Science, Technology, Engineering, or Math (STEM)	0.8	1.0	0.7	1.0	1.0	0.9	0.6	1.3	0.7	0.8	1.0	1.2	0.6
Secondary School Teacher in a non-STEM subject	1.8	1.9	1.6	1.7	2.2	2.0	2.4	2.2	1.6	1.6	1.8	1.8	1.7
Librarian	0.1	0.1	0.0	0.1	0.1	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0
Teacher's Assistant/Paraprofessional	0.1	0.1	0.0	0.1	0.1	0.1	0.0	0.1	0.0	0.0	0.1	0.1	0.0
K-12 Administrator	0.3	0.4	0.1	0.3	0.4	0.5	0.3	0.4	0.1	0.3	0.3	0.3	0.2
Other K-12 Professional	0.7	0.9	0.5	0.9	0.9	0.9	0.9	0.9	0.5	0.5	1.5	1.8	0.9
Military	3.4	5.7	1.3	9.0	1.6	1.7	2.0	1.4	1.3	1.0	2.7	2.9	2.2
Federal/State/Local Government Official	1.7	1.5	2.0	1.3	1.6	2.1	1.4	1.3	1.7	3.5	1.1	0.8	1.6
Protective Services (e.g., Homeland Security, Law Enforcement, Firefighter)	2.0	2.9	1.2	3.2	2.5	2.3	2.3	2.7	1.2	0.9	2.1	3.0	0.8
Postal Worker	0.1	0.2	0.1	0.1	0.2	0.3	0.1	0.2	0.1	0.2	0.2	0.2	0.1
Dietician/Nutritionist	0.2	0.4	0.1	0.4	0.3	0.3	0.3	0.4	0.2	0.0	0.3	0.3	0.3
Home Health Worker	0.1	0.2	0.1	0.2	0.1	0.1	0.1	0.2	0.1	0.0	0.1	0.1	0.1
Medical/Dental Assistant (e.g., Hygienist, Lab Tech, Nursing Asst.)	0.5	0.6	0.4	0.5	0.8	0.8	0.9	0.9	0.4	0.3	0.8	0.8	0.7
Registered Nurse	1.2	1.5	0.9	1.4	1.6	0.8	3.1	1.6	1.0	0.4	1.1	1.4	0.7
Therapist (e.g., Physical, Occupational, Speech)	2.6	3.5	1.8	3.2	3.9	3.3	2.7	5.0	1.9	1.4	5.4	7.1	2.4
Computer Programmer/Developer	5.2	4.0	6.4	4.9	2.9	3.0	2.4	3.0	6.7	5.0	2.8	2.1	4.0
Computer/Systems Analyst	1.3	1.3	1.2	1.8	0.8	1.0	0.9	0.5	1.4	0.6	1.7	1.6	1.9
Web Designer	0.1	0.2	0.1	0.2	0.2	0.1	0.1	0.3	0.1	0.1	0.3	0.4	0.1
Lawyer/Judge	3.2	2.7	3.7	2.4	3.1	3.8	3.1	2.4	3.4	4.7	5.3	4.2	7.0
Paralegal	0.3	0.3	0.4	0.3	0.2	0.3	0.2	0.2	0.4	0.3	0.3	0.3	0.3
Clinical Psychologist	1.3	1.3	1.2	1.7	0.9	0.9	1.2	0.7	1.3	0.8	2.3	2.4	2.0
Dentist/Orthodontist	1.3	1.1	1.5	1.2	1.1	0.9	2.1	0.9	1.6	1.3	1.1	0.8	1.7
Medical Doctor/Surgeon	7.9	5.0	10.7	3.9	6.4	6.3	8.7	5.3	10.5	11.2	6.0	2.9	11.1

PRE-PUBLICATION VERSION 4-19-2017

2016 CIRP Freshman Survey

Weighted National Norms—Male Respondents

Men	All Bacc Institutions	Baccalaureate Institutions		4-year Colleges					Universities		Black Colleges and Universities		
		4-yr Coll	Universities	Public	Private	Nonsec	Catholic	Oth Relig	Public	Private	All HBCU	Public	Private
<b>Your intended career occupation (continued)</b>													
Optometrist	0.3	0.2	0.3	0.2	0.2	0.2	0.2	0.3	0.3	0.4	0.2	0.0	0.4
Pharmacist	0.9	0.8	1.0	0.7	0.9	0.9	1.7	0.6	1.0	1.2	1.9	0.7	3.9
Veterinarian	0.6	0.7	0.6	0.7	0.6	0.8	0.3	0.5	0.7	0.3	1.6	2.2	0.5
Engineer	11.8	9.0	14.5	11.9	5.5	5.8	6.1	5.0	15.7	9.2	5.0	4.3	6.2
Research Scientist (e.g., Biologist, Chemist, Physicist)	4.7	3.6	5.7	3.7	3.4	4.2	2.7	2.9	6.1	3.7	2.0	1.9	2.4
Urban Planner/Architect	0.7	0.7	0.6	0.7	0.7	0.8	0.7	0.6	0.6	0.7	0.6	0.6	0.5
Custodian/Janitor/Housekeeper	0.0	0.0	0.0	0.0	0.1	0.1	0.0	0.1	0.0	0.1	0.0	0.0	0.0
Food Service (e.g., Chef/Cook, Server)	0.1	0.1	0.1	0.1	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Hair Stylist/Aesthetician/Manicurist	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.2	0.0
Interior Designer	0.2	0.4	0.1	0.5	0.2	0.2	0.2	0.3	0.1	0.0	0.4	0.4	0.5
Skilled Trades (e.g., Plumber, Electrician, Construction)	0.5	0.7	0.4	0.6	0.7	0.4	1.2	0.8	0.5	0.1	1.1	1.7	0.1
Social/Non-Profit Services	0.2	0.2	0.2	0.2	0.2	0.3	0.0	0.3	0.2	0.4	0.2	0.2	0.2
Clergy	0.7	1.1	0.3	0.7	1.5	0.9	0.8	2.3	0.3	0.5	1.9	2.5	0.8
Homemaker/Stay at Home Parent	0.3	0.4	0.2	0.4	0.5	0.5	0.3	0.5	0.2	0.2	0.1	0.1	0.0
Other	4.0	4.6	3.4	4.5	4.8	4.5	3.1	5.8	3.6	2.5	6.3	7.5	4.2
Undecided	9.5	8.9	10.0	7.5	10.5	12.4	9.9	8.9	9.9	10.6	4.2	4.7	3.3
<b>Parent/Guardian 1 occupation</b>													
Actor or Entertainer	0.2	0.2	0.2	0.2	0.2	0.2	0.1	0.1	0.2	0.4	0.3	0.5	0.1
Artist	0.3	0.3	0.3	0.3	0.3	0.4	0.3	0.2	0.3	0.3	0.1	0.0	0.2
Graphic Designer	0.5	0.6	0.3	0.7	0.5	0.6	0.3	0.5	0.3	0.4	0.2	0.2	0.1
Musician	0.3	0.3	0.3	0.3	0.3	0.4	0.1	0.3	0.2	0.3	0.5	0.5	0.5
Writer/Producer/Director	0.2	0.3	0.2	0.3	0.3	0.3	0.1	0.3	0.1	0.3	0.4	0.6	0.1
Farmer or Forester	0.5	0.5	0.4	0.4	0.7	0.4	0.3	1.1	0.4	0.4	0.4	0.4	0.3
Natural Resource Specialist/Environmentalist	0.2	0.2	0.2	0.3	0.2	0.3	0.1	0.2	0.2	0.2	0.3	0.3	0.3
Accountant	2.8	2.7	3.0	2.3	3.1	2.8	4.6	2.6	2.9	3.1	3.0	3.1	2.8
Administrative Assistant	1.0	1.0	1.0	0.9	1.2	1.2	1.2	1.2	1.0	1.0	1.0	0.7	1.4
Business Manager/Executive	7.0	6.1	7.9	5.0	7.4	7.5	8.0	7.0	7.5	9.9	3.1	2.7	3.9
Business Owner/Entrepreneur	5.5	4.9	6.1	4.3	5.5	5.9	5.4	5.2	5.4	8.9	3.2	2.5	4.2
Retail Sales	1.1	1.1	1.1	1.0	1.3	1.1	1.5	1.2	1.2	0.9	1.0	1.1	1.0
Sales/Marketing	4.6	4.4	4.9	4.1	4.7	4.7	5.1	4.6	5.0	4.4	2.1	1.0	3.8
Human Resources	0.8	0.9	0.8	0.8	1.0	0.9	1.0	1.2	0.7	0.8	2.1	2.1	2.1
Finance (e.g., Actuary, Banking, Loan Officer, Planner)	3.0	2.6	3.3	2.1	3.2	3.4	4.3	2.5	3.0	4.9	2.4	2.2	2.6
Management Consultant	1.2	1.1	1.2	1.0	1.3	1.4	1.3	1.2	1.2	1.3	1.3	1.6	0.9
Real Estate Agent/Realtor/Appraiser/Developer	1.5	1.3	1.6	1.3	1.3	1.4	1.4	1.1	1.6	1.5	1.2	1.5	0.9
Sports Management	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.1	0.1	0.2	0.0	0.0	0.1
Journalist	0.2	0.2	0.2	0.2	0.2	0.3	0.1	0.3	0.2	0.3	0.4	0.4	0.5
Public/Media Relations	0.5	0.6	0.4	0.6	0.6	0.6	0.4	0.6	0.4	0.4	0.6	0.7	0.6
Advertising	0.2	0.2	0.2	0.2	0.2	0.2	0.1	0.2	0.2	0.3	0.2	0.2	0.1
College Administrator/Staff	0.6	0.6	0.5	0.5	0.9	0.8	0.6	1.0	0.5	0.7	1.3	1.7	0.7
College Faculty	0.9	0.8	1.0	0.5	1.2	1.6	0.6	1.1	0.8	1.8	0.6	0.3	0.9
Early Childcare Provider	0.7	0.7	0.7	0.8	0.7	0.5	1.0	0.8	0.7	0.6	0.8	0.7	1.0
Elementary School Teacher	1.8	2.1	1.6	2.2	2.1	2.0	1.9	2.2	1.7	1.1	2.8	3.6	1.7
Secondary School Teacher in Science, Technology, Engineering, or Math (STEM)	1.0	1.0	0.9	0.9	1.1	1.3	0.9	1.1	0.9	0.8	1.1	0.9	1.4
Secondary School Teacher in a non-STEM subject	1.2	1.2	1.1	1.2	1.2	1.4	1.2	1.0	1.1	1.3	0.8	0.7	0.8
Librarian	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.1
Teacher's Assistant/Paraprofessional	0.5	0.5	0.4	0.5	0.5	0.5	0.7	0.5	0.4	0.5	1.0	1.1	0.8
K-12 Administrator	0.8	0.9	0.7	0.8	1.0	0.7	1.0	1.2	0.7	0.6	0.8	0.5	1.2
Other K-12 Professional	1.0	1.1	0.8	1.2	1.0	1.1	0.7	1.0	0.9	0.6	2.2	1.9	2.8
Military	1.7	2.3	1.2	3.2	1.2	1.1	1.1	1.4	1.3	0.9	1.3	1.6	0.8
Federal/State/Local Government Official	1.4	1.5	1.3	1.5	1.4	1.3	1.2	1.6	1.3	1.4	2.0	1.8	2.5

## PRE-PUBLICATION VERSION 4-19-2017

## 2016 CIRP Freshman Survey

## Weighted National Norms—Male Respondents

Men	All Bacc Institutions	Baccalaureate Institutions		4-year Colleges					Universities		Black Colleges and Universities		
		4-yr Coll	Universities	Public	Private	Nonsec	Catholic	Oth Relig	Public	Private	All HBCU	Public	Private
<b>Parent/Guardian 1 occupation (continued)</b>													
Protective Services (e.g., Homeland Security, Law Enforcement, Firefighter)	2.5	2.9	2.2	3.3	2.5	2.5	2.9	2.3	2.4	1.3	2.8	1.8	4.5
Postal Worker	0.6	0.7	0.4	0.8	0.5	0.5	0.6	0.6	0.4	0.4	0.8	0.8	0.9
Dietician/Nutritionist	0.2	0.3	0.1	0.3	0.3	0.3	0.3	0.2	0.1	0.1	0.7	0.9	0.3
Home Health Worker	0.5	0.6	0.3	0.6	0.7	0.7	0.4	0.7	0.4	0.3	1.8	1.7	1.9
Medical/Dental Assistant (e.g., Hygienist, Lab Tech, Nursing Asst.)	1.0	1.2	0.9	1.3	1.2	1.2	1.3	1.3	0.9	0.6	3.2	3.5	2.7
Registered Nurse	1.9	2.1	1.7	2.2	2.0	1.8	2.5	2.0	1.8	1.2	3.8	4.1	3.3
Therapist (e.g., Physical, Occupational, Speech)	0.9	0.9	0.8	0.8	0.9	1.0	0.6	0.9	0.8	0.8	0.8	0.5	1.3
Computer Programmer/Developer	2.0	1.5	2.5	1.6	1.5	1.6	1.2	1.6	2.6	2.3	1.0	0.6	1.6
Computer/Systems Analyst	2.1	1.8	2.4	1.8	1.7	1.6	1.5	1.9	2.6	1.8	1.5	1.1	1.9
Web Designer	0.2	0.2	0.2	0.2	0.2	0.2	0.1	0.2	0.2	0.1	0.3	0.4	0.1
Lawyer/Judge	2.6	2.0	3.2	1.7	2.4	3.0	2.4	1.7	2.7	5.0	1.2	0.7	2.0
Paralegal	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.3	0.4	0.2	0.6
Clinical Psychologist	0.5	0.4	0.6	0.3	0.6	0.5	0.5	0.6	0.6	0.4	0.4	0.0	1.0
Dentist/Orthodontist	0.7	0.6	0.8	0.6	0.6	0.5	0.8	0.6	0.8	0.8	0.6	0.5	0.8
Medical Doctor/Surgeon	2.9	2.2	3.5	1.7	2.7	3.0	2.8	2.3	3.0	5.5	1.2	0.5	2.2
Optometrist	0.1	0.1	0.2	0.1	0.2	0.1	0.1	0.2	0.2	0.1	0.0	0.0	0.1
Pharmacist	0.4	0.4	0.4	0.4	0.5	0.6	0.6	0.4	0.4	0.5	0.8	0.5	1.1
Veterinarian	0.2	0.2	0.2	0.2	0.2	0.2	0.1	0.2	0.3	0.2	0.1	0.2	0.0
Engineer	6.3	4.9	7.6	4.9	4.9	4.5	4.7	5.4	8.0	5.7	2.0	1.9	2.1
Research Scientist (e.g., Biologist, Chemist, Physicist)	1.2	0.8	1.7	0.7	0.8	0.9	0.9	0.6	1.7	1.6	0.4	0.2	0.7
Urban Planner/Architect	0.7	0.7	0.7	0.8	0.7	0.9	0.6	0.5	0.7	0.5	0.3	0.3	0.2
Custodian/Janitor/Housekeeper	0.7	0.7	0.6	0.9	0.6	0.6	0.7	0.5	0.6	0.5	1.0	1.1	0.8
Food Service (e.g., Chef/Cook, Server)	1.4	1.3	1.4	1.5	1.1	1.1	0.9	1.2	1.5	0.9	2.0	2.1	1.8
Hair Stylist/Aesthetician/Manicurist	0.5	0.5	0.4	0.5	0.5	0.5	0.5	0.5	0.5	0.2	1.5	1.7	1.3
Interior Designer	0.1	0.2	0.1	0.2	0.1	0.1	0.2	0.1	0.1	0.2	0.0	0.0	0.1
Skilled Trades (e.g., Plumber, Electrician, Construction)	5.3	5.8	4.8	6.2	5.5	4.8	6.0	6.0	5.2	3.1	4.7	6.0	2.6
Social/Non-Profit Services	0.5	0.5	0.5	0.5	0.6	0.7	0.3	0.5	0.5	0.4	1.0	1.0	1.0
Clergy	0.7	0.8	0.6	0.6	1.1	0.7	0.3	2.0	0.6	0.7	0.4	0.1	0.9
Homemaker/Stay at Home Parent	3.1	3.3	2.9	3.8	2.8	2.9	3.1	2.5	2.9	3.0	3.3	4.3	1.7
Other	15.3	17.8	13.1	20.1	15.3	15.1	14.3	16.0	13.8	10.2	20.3	22.0	17.7
Undecided	1.0	1.4	0.6	1.6	1.1	1.1	1.3	1.1	0.6	0.4	3.0	4.0	1.4
<b>Parent/Guardian 2 occupation</b>													
Actor or Entertainer	0.2	0.2	0.2	0.1	0.3	0.3	0.2	0.2	0.2	0.4	0.2	0.3	0.0
Artist	0.5	0.5	0.5	0.5	0.6	0.9	0.1	0.4	0.5	0.6	0.1	0.0	0.1
Graphic Designer	0.4	0.4	0.4	0.4	0.4	0.5	0.5	0.4	0.4	0.5	0.9	1.4	0.3
Musician	0.4	0.4	0.4	0.3	0.4	0.6	0.2	0.4	0.4	0.5	0.3	0.2	0.4
Writer/Producer/Director	0.2	0.2	0.3	0.1	0.3	0.4	0.1	0.3	0.2	0.3	0.1	0.0	0.1
Farmer or Forester	0.3	0.3	0.3	0.3	0.4	0.4	0.2	0.4	0.3	0.3	0.4	0.2	0.7
Natural Resource Specialist/Environmentalist	0.1	0.2	0.1	0.1	0.2	0.2	0.1	0.2	0.1	0.1	0.4	0.5	0.1
Accountant	3.5	3.1	3.8	3.1	3.2	2.9	3.8	3.1	3.7	4.0	2.5	2.7	2.2
Administrative Assistant	1.6	1.6	1.6	1.5	1.8	1.6	1.6	1.9	1.6	1.5	1.2	1.3	1.0
Business Manager/Executive	3.7	3.2	4.1	2.8	3.7	4.2	3.6	3.4	3.9	4.8	2.2	1.7	2.8
Business Owner/Entrepreneur	3.0	2.8	3.2	2.5	3.2	3.4	3.1	2.9	2.8	4.7	2.8	2.3	3.5
Retail Sales	1.2	1.2	1.2	1.2	1.2	1.0	1.5	1.2	1.2	1.1	0.5	0.2	1.0
Sales/Marketing	3.2	3.1	3.2	3.2	3.0	3.4	3.2	2.5	3.1	3.4	1.9	1.4	2.7
Human Resources	1.2	1.2	1.2	1.0	1.3	1.3	1.7	1.2	1.3	1.1	1.7	1.3	2.3
Finance (e.g., Actuary, Banking, Loan Officer, Planner)	2.0	1.8	2.2	1.5	2.0	2.1	2.5	1.8	2.1	2.6	1.0	0.8	1.4
Management Consultant	0.9	0.8	1.0	0.6	0.9	1.0	0.7	1.0	0.9	1.2	0.3	0.0	0.7
Real Estate Agent/Realtor/Appraiser/Developer	1.4	1.3	1.6	1.3	1.2	1.3	1.3	1.0	1.6	1.6	0.7	0.6	0.7

PRE-PUBLICATION VERSION 4-19-2017

2016 CIRP Freshman Survey

Weighted National Norms—Male Respondents

Men	All Bacc Institutions	Baccalaureate Institutions		4-year Colleges					Universities		Black Colleges and Universities		
		4-yr Coll	Universities	Public	Private	Nonsec	Catholic	Oth Relig	Public	Private	All HBCU	Public	Private
Parent/Guardian 2 occupation (continued)													
Sports Management	0.1	0.1	0.1	0.0	0.1	0.1	0.2	0.0	0.1	0.1	0.1	0.0	0.3
Journalist	0.3	0.2	0.3	0.2	0.3	0.4	0.2	0.3	0.3	0.4	0.1	0.0	0.1
Public/Media Relations	0.5	0.5	0.5	0.4	0.6	0.6	0.6	0.5	0.5	0.4	0.5	0.5	0.5
Advertising	0.2	0.2	0.3	0.2	0.2	0.3	0.3	0.1	0.2	0.3	0.0	0.0	0.0
College Administrator/Staff	0.6	0.6	0.6	0.5	0.8	0.9	0.5	0.9	0.6	1.0	0.5	0.0	1.1
College Faculty	0.9	0.9	0.9	0.6	1.1	1.2	0.7	1.2	0.8	1.5	0.7	0.0	1.7
Early Childcare Provider	1.3	1.2	1.3	1.1	1.4	1.3	1.4	1.5	1.3	1.2	0.9	1.1	0.5
Elementary School Teacher	4.0	4.3	3.8	4.2	4.3	3.8	4.3	4.8	4.0	3.2	4.1	4.7	3.3
Secondary School Teacher in Science, Technology, Engineering, or Math (STEM)	1.1	1.2	1.1	1.1	1.2	1.3	0.9	1.2	1.0	1.2	0.9	0.8	1.1
Secondary School Teacher in a non-STEM subject	1.2	1.2	1.2	1.2	1.3	1.1	1.3	1.4	1.2	1.5	0.9	0.9	1.0
Librarian	0.3	0.3	0.3	0.3	0.3	0.3	0.5	0.3	0.3	0.2	0.1	0.0	0.1
Teacher's Assistant/Paraprofessional	1.3	1.3	1.3	1.2	1.4	1.2	1.4	1.5	1.4	0.9	0.8	1.0	0.5
K-12 Administrator	1.0	1.2	0.9	1.1	1.2	1.4	1.1	1.0	0.9	0.8	1.8	1.1	2.7
Other K-12 Professional	1.4	1.6	1.3	1.5	1.7	1.4	1.8	1.9	1.3	1.2	2.2	2.6	1.6
Military	0.8	1.1	0.5	1.3	0.8	0.7	0.5	1.1	0.4	0.6	2.6	3.0	2.0
Federal/State/Local Government Official	1.1	1.1	1.1	1.1	1.1	1.2	0.7	1.1	1.1	0.9	1.2	0.9	1.5
Protective Services (e.g., Homeland Security, Law Enforcement, Firefighter)	1.3	1.4	1.2	1.4	1.4	1.4	1.7	1.2	1.4	0.6	3.0	3.4	2.5
Postal Worker	0.4	0.5	0.3	0.6	0.4	0.3	0.4	0.5	0.4	0.2	0.9	1.0	0.8
Dietician/Nutritionist	0.5	0.5	0.4	0.6	0.3	0.3	0.4	0.4	0.4	0.3	0.6	0.8	0.3
Home Health Worker	0.6	0.7	0.5	0.6	0.8	0.7	1.0	0.9	0.5	0.4	0.5	0.3	0.7
Medical/Dental Assistant (e.g., Hygienist, Lab Tech, Nursing Asst.)	1.5	1.6	1.4	1.6	1.5	1.4	1.9	1.5	1.5	1.1	1.4	1.3	1.7
Registered Nurse	3.8	3.8	3.9	4.0	3.5	2.8	4.3	3.8	4.0	3.1	2.5	2.0	3.0
Therapist (e.g., Physical, Occupational, Speech)	1.4	1.4	1.5	1.1	1.6	1.5	1.4	1.8	1.5	1.5	0.4	0.4	0.5
Computer Programmer/Developer	1.0	0.8	1.2	0.7	0.8	0.7	0.7	0.9	1.2	1.1	1.0	0.9	1.1
Computer/Systems Analyst	1.0	0.7	1.3	0.7	0.8	0.9	0.7	0.6	1.4	0.9	1.4	1.2	1.7
Web Designer	0.2	0.2	0.1	0.2	0.1	0.1	0.1	0.2	0.2	0.1	0.0	0.0	0.0
Lawyer/Judge	1.6	1.2	1.8	0.9	1.6	2.1	1.4	1.2	1.6	3.1	1.2	0.2	2.6
Paralegal	0.5	0.5	0.5	0.6	0.5	0.6	0.7	0.4	0.5	0.5	0.4	0.4	0.3
Clinical Psychologist	0.5	0.4	0.5	0.4	0.4	0.4	0.3	0.5	0.5	0.6	0.9	1.2	0.5
Dentist/Orthodontist	0.5	0.5	0.6	0.5	0.5	0.4	0.3	0.6	0.6	0.7	0.2	0.2	0.1
Medical Doctor/Surgeon	1.8	1.5	2.0	1.1	1.8	2.3	1.3	1.6	1.8	3.3	1.5	1.4	1.7
Optometrist	0.2	0.1	0.2	0.1	0.2	0.1	0.1	0.2	0.2	0.3	0.1	0.0	0.1
Pharmacist	0.6	0.5	0.7	0.4	0.6	0.7	0.6	0.5	0.7	0.8	0.5	0.2	0.8
Veterinarian	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.1	0.5	0.6	0.3
Engineer	2.3	1.8	2.7	1.8	1.9	2.0	1.9	1.8	2.8	2.4	2.5	2.5	2.5
Research Scientist (e.g., Biologist, Chemist, Physicist)	0.9	0.5	1.2	0.4	0.6	0.8	0.8	0.4	1.1	1.3	0.3	0.2	0.5
Urban Planner/Architect	0.5	0.4	0.5	0.5	0.4	0.5	0.3	0.4	0.6	0.4	0.7	1.1	0.1
Custodian/Janitor/Housekeeper	0.7	0.9	0.5	1.0	0.8	0.7	1.2	0.6	0.5	0.5	1.1	1.2	0.8
Food Service (e.g., Chef/Cook, Server)	1.6	1.6	1.6	1.9	1.4	1.4	1.5	1.4	1.8	1.0	2.8	3.7	1.5
Hair Stylist/Aesthetician/Manicurist	0.8	0.8	0.9	0.9	0.5	0.5	0.6	0.5	1.0	0.5	1.1	1.1	1.0
Interior Designer	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.2	0.2	0.3
Skilled Trades (e.g., Plumber, Electrician, Construction)	3.1	3.5	2.8	3.6	3.3	3.2	3.7	3.2	3.0	1.9	4.2	4.5	3.8
Social/Non-Profit Services	0.6	0.6	0.6	0.4	0.8	0.8	0.7	0.8	0.6	0.6	0.4	0.2	0.5
Clergy	0.5	0.5	0.4	0.5	0.6	0.7	0.2	0.6	0.4	0.3	0.9	0.9	0.8
Homemaker/Stay at Home Parent	13.2	12.8	13.5	13.8	11.7	10.8	10.9	13.0	13.0	15.7	3.8	3.5	4.2
Other	16.7	18.6	15.0	20.1	17.1	17.0	17.4	17.0	15.8	11.4	25.9	27.6	23.6
Undecided	1.6	2.2	1.1	2.5	1.8	1.6	2.3	1.9	1.2	1.0	5.0	6.1	3.4

## PRE-PUBLICATION VERSION 4-19-2017

## 2016 CIRP Freshman Survey

## Weighted National Norms—Male Respondents

Men	All Bacc Institutions	Baccalaureate Institutions		4-year Colleges					Universities		Black Colleges and Universities		
		4-yr Coll	Universities	Public	Private	Nonsec	Catholic	Oth Relig	Public	Private	All HBCU	Public	Private
<b>Current employment status:</b>													
<b>Parent/Guardian 1</b>													
Employed	88.5	87.7	89.2	87.1	88.4	88.3	87.5	88.9	89.3	89.1	85.0	85.1	84.7
Seasonally employed	1.8	1.9	1.8	1.9	1.9	2.1	2.3	1.6	1.8	1.7	2.0	1.9	2.2
Unemployed	6.1	6.8	5.5	7.3	6.0	6.0	6.1	6.1	5.6	5.1	9.1	9.7	7.9
Retired	3.6	3.6	3.5	3.6	3.6	3.6	4.1	3.4	3.4	4.0	3.9	3.2	5.2
<b>Parent/Guardian 2</b>													
Employed	72.8	72.7	73.0	71.7	73.8	73.9	74.8	73.4	73.9	68.8	76.4	78.0	73.8
Seasonally employed	4.6	4.8	4.5	4.8	4.7	4.6	4.1	5.0	4.4	5.0	4.2	4.4	3.9
Unemployed	17.3	17.5	17.1	18.8	16.0	15.9	15.0	16.6	16.9	18.1	13.4	11.2	17.1
Retired	5.2	5.1	5.4	4.7	5.5	5.6	6.1	5.1	4.8	8.2	6.0	6.4	5.2
<b>How much of your first year's educational expenses (room, board, tuition, and fees) do you expect to cover from each of the sources listed below?</b>													
<b>Family resources (parents, relatives, spouse, etc.)</b>													
None	27.7	34.2	21.3	41.5	25.4	24.7	22.7	27.3	22.7	15.1	46.4	46.8	45.7
\$1 to \$2,999	15.9	17.8	14.0	20.1	15.1	14.9	13.6	16.0	15.2	8.4	25.3	29.5	17.5
\$3,000 to \$5,999	11.6	11.7	11.6	11.8	11.5	10.0	12.1	12.9	12.3	8.3	11.6	11.5	11.7
\$6,000 to \$9,999	9.1	8.6	9.6	8.0	9.3	8.8	9.2	9.9	10.1	7.4	6.4	6.9	5.6
\$10,000 to \$14,999	9.4	8.3	10.5	6.8	10.1	9.4	10.6	10.6	10.9	8.7	4.3	3.0	6.7
\$15,000 or more	26.3	19.3	33.1	11.7	28.5	32.2	31.9	23.3	28.8	52.2	6.0	2.3	12.9
<b>My own resources (savings from work, work-study, other income)</b>													
None	45.6	48.4	42.9	51.3	44.7	46.2	41.8	44.5	41.5	49.1	60.0	60.1	59.6
\$1 to \$2,999	35.9	34.6	37.2	33.9	35.5	35.0	36.4	35.7	38.3	32.3	27.1	28.2	25.2
\$3,000 to \$5,999	11.3	10.3	12.3	9.6	11.2	10.6	11.5	11.6	12.8	10.1	8.1	8.2	7.9
\$6,000 to \$9,999	3.6	3.3	3.8	3.0	3.7	3.4	4.4	3.8	3.9	3.5	2.2	1.9	2.6
\$10,000 to \$14,999	1.7	1.6	1.9	0.9	2.4	2.3	2.6	2.4	1.9	2.1	1.6	0.8	3.0
\$15,000 or more	1.9	1.9	1.9	1.3	2.5	2.6	3.4	2.1	1.7	2.8	1.1	0.7	1.7
<b>Aid which need <u>not</u> be repaid (grants, scholarships, military funding, etc.)</b>													
None	32.0	31.7	32.4	36.9	25.4	29.5	21.9	22.6	32.7	30.8	35.2	37.0	32.0
\$1 to \$2,999	13.2	10.0	16.4	12.9	6.5	7.2	5.9	6.1	18.9	5.5	13.2	16.7	6.8
\$3,000 to \$5,999	12.8	11.8	13.8	14.8	8.3	7.3	7.4	9.6	15.7	5.5	15.6	17.6	11.9
\$6,000 to \$9,999	9.2	9.1	9.3	10.3	7.5	6.5	7.5	8.5	10.5	4.1	11.6	12.7	9.7
\$10,000 to \$14,999	10.2	10.9	9.5	9.3	12.8	11.5	13.6	13.7	9.6	9.2	8.8	7.2	11.9
\$15,000 or more	22.5	26.5	18.6	15.8	39.5	37.9	43.7	39.5	12.7	44.9	15.5	8.8	27.7
<b>Aid which <u>must</u> be repaid (loans, etc.)</b>													
None	55.7	54.8	56.6	61.3	46.7	50.2	43.5	44.5	56.4	57.3	42.3	41.7	43.5
\$1 to \$2,999	8.5	9.3	7.8	9.6	9.0	9.1	8.2	9.3	8.2	5.9	14.9	19.1	7.2
\$3,000 to \$5,999	15.4	15.7	15.1	14.4	17.3	16.1	17.9	18.1	15.4	13.7	16.0	18.0	12.4
\$6,000 to \$9,999	7.8	7.6	8.0	6.2	9.2	7.7	10.0	10.4	8.2	6.8	9.9	10.8	8.2
\$10,000 to \$14,999	5.6	5.5	5.6	3.9	7.5	6.8	8.4	7.8	5.5	6.1	5.8	4.7	7.9
\$15,000 or more	7.1	7.2	7.0	4.5	10.4	10.1	12.0	9.9	6.2	10.3	11.0	5.6	20.8

PRE-PUBLICATION VERSION 4-19-2017

2016 CIRP Freshman Survey

Weighted National Norms—Male Respondents

Men	All Bacc Institutions	Baccalaureate Institutions		4-year Colleges					Universities		Black Colleges and Universities		
		4-yr Coll	Universities	Public	Private	Nonsec	Catholic	Oth Relig	Public	Private	All HBCU	Public	Private
<b>Did you receive any of the following forms of financial aid?</b>													
<b>Military grants</b>													
Yes	5.6	9.4	2.1	15.0	2.3	2.2	2.2	2.4	2.2	1.6	4.8	4.9	4.6
No	94.4	90.6	97.9	85.0	97.7	97.8	97.8	97.6	97.8	98.4	95.2	95.1	95.4
<b>Work-study</b>													
Yes	17.1	18.1	16.2	8.8	29.2	31.2	27.1	28.1	14.8	22.4	17.7	19.5	14.6
No	82.9	81.9	83.8	91.2	70.8	68.8	72.9	71.9	85.2	77.6	82.3	80.5	85.4
<b>Pell Grant</b>													
Yes	25.4	28.9	22.0	29.3	28.4	25.7	24.6	32.8	22.7	19.1	59.1	62.7	52.5
No	74.6	71.1	78.0	70.7	71.6	74.3	75.4	67.2	77.3	80.9	40.9	37.3	47.5
<b>Need-based grants or scholarships</b>													
Yes	33.2	34.2	32.2	25.7	44.5	45.9	40.9	44.6	30.9	38.0	36.8	35.3	39.3
No	66.8	65.8	67.8	74.3	55.5	54.1	59.1	55.4	69.1	62.0	63.2	64.7	60.7
<b>Merit-based grants or scholarships</b>													
Yes	52.5	48.9	55.8	30.0	71.1	67.8	76.9	72.0	54.3	62.3	39.5	29.9	55.7
No	47.5	51.1	44.2	70.0	28.9	32.2	23.1	28.0	45.7	37.7	60.5	70.1	44.3
<b>What is your best estimate of your parents'/guardians' total income last year?</b>													
Less than \$15,000	4.4	6.1	2.8	7.2	4.6	4.5	3.4	5.4	2.9	2.5	15.8	18.8	9.9
\$15,000 to \$24,999	5.2	6.6	3.9	8.1	4.6	4.8	3.7	4.9	4.1	2.8	15.0	16.9	11.3
\$25,000 to \$29,999	3.6	4.5	2.8	5.1	3.6	3.4	3.2	4.1	2.9	2.4	8.4	9.0	7.2
\$30,000 to \$59,999	13.5	15.3	11.7	16.5	13.8	12.8	13.0	15.1	12.2	9.3	21.2	22.0	19.6
\$60,000 to \$74,999	9.3	10.1	8.6	9.7	10.5	9.8	8.5	12.3	8.9	6.9	11.8	12.1	11.2
\$75,000 to \$99,999	12.4	12.5	12.3	11.9	13.3	12.1	13.0	14.6	12.7	10.6	10.1	9.0	12.2
\$100,000 to \$124,999	14.7	14.3	15.1	14.1	14.6	14.7	15.2	14.2	15.4	13.8	7.5	5.8	10.7
\$125,000 to \$149,999	8.1	7.4	8.7	7.1	7.7	8.1	8.3	7.1	8.9	7.7	2.9	2.3	4.1
\$150,000 to \$199,999	9.6	8.5	10.7	8.3	8.8	9.1	11.0	7.4	10.9	9.5	2.9	1.9	4.8
\$200,000 to \$249,999	7.3	5.9	8.6	5.5	6.4	6.7	8.0	5.4	8.5	9.4	2.0	1.2	3.7
\$250,000 to \$499,999	7.9	5.8	9.8	4.4	7.6	8.5	8.5	6.1	8.9	13.7	1.8	0.7	4.0
\$500,000 or higher	4.0	3.0	4.9	1.8	4.4	5.5	4.1	3.4	3.5	11.3	0.6	0.2	1.2
<b>Please select how many individuals in your household (including yourself) are dependent on your parent(s)/guardian(s) for financial support:</b>													
I am not dependent on my parent(s)/guardian(s)	2.7	3.5	1.9	3.8	3.1	2.5	2.5	4.0	2.0	1.4	7.2	7.3	7.0
One	17.4	18.3	16.5	17.9	18.8	19.2	16.4	19.5	16.6	16.1	22.1	22.2	22.1
Two	37.2	35.4	38.9	35.1	35.8	37.4	35.4	34.4	39.0	38.5	30.8	30.2	31.8
Three	22.4	21.9	22.8	21.8	22.1	22.5	23.0	21.2	22.8	22.9	19.9	20.2	19.3
Four	11.8	11.7	11.8	11.9	11.5	10.9	12.0	11.8	11.7	12.7	10.6	10.8	10.3
Five	5.5	5.7	5.3	5.7	5.7	5.0	6.8	6.0	5.2	5.4	6.5	6.8	5.9
Six or more	3.1	3.5	2.8	3.8	3.1	2.6	3.9	3.2	2.7	3.0	2.9	2.4	3.7
<b>Do you have any concern about your ability to finance your college education?</b>													
None (I am confident that I will have sufficient funds)	37.6	38.4	36.7	39.0	37.8	39.7	35.6	36.8	35.5	42.2	31.0	31.8	29.6
Some (but I probably will have enough funds)	52.3	51.0	53.7	49.8	52.4	50.8	54.5	53.1	54.6	49.6	51.0	52.3	48.5
Major (not sure I will have enough funds to complete college)	10.1	10.6	9.6	11.2	9.8	9.5	10.0	10.1	9.9	8.3	18.0	15.9	21.9

## PRE-PUBLICATION VERSION 4-19-2017

## 2016 CIRP Freshman Survey

## Weighted National Norms—Male Respondents

Men	All Bacc Institutions	Baccalaureate Institutions		4-year Colleges					Universities		Black Colleges and Universities		
		4-yr Coll	Universities	Public	Private	Nonsec	Catholic	Oth Relig	Public	Private	All HBCU	Public	Private
<b>Your current religious preference</b>													
Agnostic	9.7	7.5	11.8	8.0	7.0	8.7	5.9	5.7	12.0	11.1	2.2	1.4	3.7
Atheist	8.2	5.9	10.4	6.8	4.9	7.2	3.7	3.1	10.7	9.1	0.9	0.8	1.1
Baptist	7.2	10.2	4.3	8.4	12.3	9.7	3.5	18.8	4.2	4.8	40.7	41.5	39.2
Buddhist	1.1	0.9	1.3	1.1	0.6	0.9	0.7	0.3	1.3	1.3	0.3	0.4	0.3
Church of Christ	6.5	8.3	4.8	8.4	8.1	7.7	6.3	9.4	5.0	3.9	19.9	22.2	15.6
Eastern Orthodox	0.9	0.9	1.0	1.1	0.6	0.5	1.1	0.4	0.9	1.3	0.1	0.0	0.3
Episcopalian	0.9	0.8	1.0	0.8	0.9	1.2	0.7	0.8	1.0	1.4	0.6	0.3	1.2
Hindu	0.9	0.3	1.5	0.2	0.5	0.7	0.3	0.2	1.4	2.2	0.0	0.0	0.0
Jewish	3.0	1.7	4.4	1.7	1.7	2.7	0.5	1.2	4.0	6.0	0.1	0.2	0.0
LDS (Mormon)	0.4	0.3	0.4	0.4	0.2	0.2	0.1	0.2	0.5	0.2	0.1	0.1	0.0
Lutheran	2.2	2.4	2.0	2.0	2.8	2.0	2.5	3.7	2.1	1.4	0.3	0.4	0.2
Methodist	2.4	2.9	2.1	2.5	3.3	2.7	1.5	4.8	2.1	1.9	2.6	2.4	2.9
Muslim	1.7	1.4	2.0	1.8	1.0	1.3	1.4	0.7	1.7	3.1	1.7	1.5	1.9
Presbyterian	2.3	2.2	2.3	2.1	2.4	2.3	1.0	3.2	2.1	3.2	0.4	0.4	0.3
Quaker	0.1	0.1	0.1	0.0	0.2	0.2	0.2	0.2	0.1	0.2	0.0	0.0	0.0
Roman Catholic	22.6	23.3	22.0	24.9	21.4	19.5	50.3	10.7	21.9	22.6	3.2	1.8	5.7
Seventh-day Adventist	0.6	0.9	0.2	0.4	1.5	0.4	0.2	3.2	0.2	0.2	0.8	0.6	1.2
United Church of Christ/Congregational	0.4	0.5	0.4	0.3	0.7	0.8	0.6	0.6	0.4	0.5	0.3	0.2	0.6
Other Christian	11.6	13.7	9.5	12.7	15.0	11.7	8.5	21.1	9.4	10.0	13.7	12.6	15.7
Other Religion	1.9	2.1	1.8	2.2	1.8	2.1	1.4	1.7	1.8	1.7	1.6	1.6	1.7
None	15.2	13.7	16.6	14.3	13.1	17.6	9.7	10.0	17.3	13.8	10.4	11.5	8.4
<b>Parent/Guardian 1's current religious preference</b>													
Agnostic	3.9	2.9	4.8	3.1	2.8	3.8	1.5	2.3	4.9	4.7	0.7	0.8	0.4
Atheist	3.3	2.2	4.2	2.3	2.2	3.4	1.1	1.5	4.3	4.0	0.6	0.5	0.7
Baptist	8.2	11.2	5.3	9.3	13.5	11.4	3.9	19.8	5.2	5.7	44.3	45.5	42.2
Buddhist	1.8	1.3	2.2	1.6	0.8	1.2	0.8	0.5	2.2	2.3	0.3	0.2	0.5
Church of Christ	8.3	9.9	6.7	10.5	9.2	9.3	7.1	10.0	7.1	5.1	20.5	22.8	16.5
Eastern Orthodox	1.1	1.0	1.3	1.2	0.6	0.7	1.1	0.4	1.2	1.5	0.2	0.0	0.6
Episcopalian	1.3	1.1	1.5	1.0	1.2	1.7	0.8	0.9	1.4	1.9	0.5	0.1	1.2
Hindu	1.4	0.5	2.2	0.4	0.7	1.1	0.5	0.3	2.0	3.3	0.0	0.0	0.0
Jewish	3.9	2.3	5.5	2.3	2.3	3.6	0.9	1.5	5.1	7.2	0.1	0.2	0.0
LDS (Mormon)	0.6	0.4	0.7	0.5	0.2	0.2	0.1	0.3	0.8	0.3	0.0	0.0	0.0
Lutheran	2.8	3.0	2.7	2.6	3.4	2.4	3.1	4.5	2.9	2.0	0.3	0.4	0.1
Methodist	3.2	3.4	2.9	2.9	4.2	3.4	2.0	5.9	2.9	3.0	2.6	2.0	3.6
Muslim	1.9	1.6	2.3	1.8	1.2	1.5	1.6	0.8	2.0	3.6	1.6	1.5	1.8
Presbyterian	2.9	2.8	3.0	2.6	3.0	3.2	1.2	3.7	2.8	4.1	0.8	0.6	1.2
Quaker	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.1	0.1	0.1	0.0	0.0	0.0
Roman Catholic	28.4	28.2	28.6	31.0	24.9	23.2	54.8	13.4	28.8	27.5	4.1	2.4	6.8
Seventh-day Adventist	0.6	0.9	0.3	0.4	1.5	0.5	0.4	3.0	0.3	0.3	0.9	0.8	1.0
United Church of Christ/Congregational	0.5	0.5	0.5	0.4	0.8	1.0	0.6	0.6	0.5	0.6	0.4	0.2	0.7
Other Christian	13.6	15.5	11.7	14.8	16.3	13.6	10.5	21.6	11.7	11.7	14.8	13.2	17.5
Other Religion	1.9	2.0	1.8	2.4	1.6	1.8	1.3	1.6	1.8	1.5	1.9	2.0	1.6
None	10.3	9.2	11.4	9.0	9.5	12.8	6.5	7.4	11.8	9.8	5.5	6.6	3.6

PRE-PUBLICATION VERSION 4-19-2017

2016 CIRP Freshman Survey

Weighted National Norms—Male Respondents

Men	All Bacc Institutions	Baccalaureate Institutions		4-year Colleges					Universities		Black Colleges and Universities		
		4-yr Coll	Universities	Public	Private	Nonsec	Catholic	Oth Relig	Public	Private	All HBCU	Public	Private
<b>Parent/Guardian 2's current religious preference</b>													
Agnostic	3.2	2.5	3.9	2.4	2.5	3.6	1.4	1.9	3.9	4.0	0.4	0.6	0.2
Atheist	2.7	1.9	3.5	1.7	2.1	2.9	1.3	1.6	3.5	3.2	0.5	0.6	0.4
Baptist	7.7	10.6	5.1	8.8	12.8	10.4	3.9	19.2	5.0	5.5	43.9	45.5	41.3
Buddhist	1.9	1.4	2.3	1.7	0.9	1.3	0.9	0.5	2.3	2.4	0.2	0.0	0.6
Church of Christ	8.4	9.7	7.1	10.5	8.8	9.1	6.6	9.5	7.5	5.3	20.1	22.3	16.6
Eastern Orthodox	1.2	1.0	1.3	1.3	0.7	0.7	1.1	0.4	1.2	1.6	0.3	0.3	0.3
Episcopalian	1.3	1.1	1.5	1.0	1.3	1.9	0.8	1.0	1.4	2.1	0.5	0.2	1.1
Hindu	1.4	0.5	2.3	0.4	0.7	1.1	0.5	0.3	2.0	3.3	0.0	0.0	0.0
Jewish	3.7	2.1	5.1	2.1	2.2	3.5	0.7	1.4	4.7	6.6	0.1	0.2	0.0
LDS (Mormon)	0.6	0.4	0.8	0.5	0.3	0.3	0.1	0.3	0.9	0.4	0.0	0.0	0.0
Lutheran	3.0	3.1	2.8	2.7	3.6	2.8	3.7	4.5	3.0	2.1	0.2	0.3	0.0
Methodist	3.3	3.6	3.0	3.1	4.2	3.4	1.9	6.2	3.0	2.9	2.7	2.3	3.5
Muslim	2.0	1.6	2.4	1.9	1.2	1.7	1.5	0.6	2.2	3.6	1.9	2.1	1.7
Presbyterian	3.0	2.8	3.2	2.5	3.1	3.2	0.9	3.9	3.0	4.1	0.3	0.2	0.5
Quaker	0.2	0.2	0.2	0.1	0.2	0.3	0.4	0.2	0.2	0.2	0.0	0.0	0.0
Roman Catholic	29.0	28.9	29.1	32.0	25.2	23.8	54.1	13.6	29.3	28.3	4.0	2.3	6.9
Seventh-day Adventist	0.6	1.0	0.3	0.5	1.5	0.4	0.3	3.2	0.3	0.2	0.7	0.5	1.1
United Church of Christ/Congregational	0.6	0.5	0.6	0.3	0.8	1.0	0.8	0.6	0.5	0.7	0.3	0.0	0.9
Other Christian	14.0	15.7	12.4	15.0	16.4	13.8	10.6	21.6	12.5	12.1	13.6	12.3	15.8
Other Religion	2.1	2.1	2.1	2.4	1.7	2.0	1.4	1.6	2.1	2.0	1.8	1.1	2.8
None	10.2	9.3	11.1	8.9	9.7	12.8	7.2	7.7	11.5	9.4	8.2	9.4	6.3
<b>What is the highest academic degree that you intend to obtain?</b>													
<b>Highest academic degree planned</b>													
None	0.7	0.9	0.4	0.8	1.0	0.9	1.2	1.0	0.4	0.7	3.2	4.0	1.7
Vocational certificate	0.1	0.2	0.1	0.1	0.2	0.2	0.3	0.2	0.1	0.1	0.3	0.4	0.2
Associate (A.A. or equivalent)	0.6	0.9	0.4	0.8	1.1	0.9	0.8	1.4	0.4	0.4	1.5	1.9	0.9
Bachelor's degree (B.A., B.S., B.D., etc.)	26.7	30.8	22.8	32.4	28.9	25.7	24.1	34.2	23.9	18.0	23.7	28.1	16.2
Master's degree (M.A., M.S., M.B.A., etc.)	41.9	42.3	41.6	43.8	40.5	40.9	44.8	38.2	41.2	43.4	34.9	35.8	33.5
J.D. (Law)	4.0	3.2	4.8	2.7	3.9	4.7	4.2	2.9	4.3	7.0	4.9	3.7	7.0
M.D., D.O., D.D.S., D.V.M., etc. (Medical)	8.8	6.1	11.4	5.0	7.3	7.1	10.0	6.3	11.2	12.0	6.1	3.6	10.4
Ph.D.	12.1	10.3	13.7	9.5	11.2	13.4	9.1	10.0	13.8	13.7	14.6	12.5	18.1
Professional Doctorate (Ed.D., Psy.D., etc.)	4.3	4.5	4.2	4.2	4.8	5.2	4.4	4.6	4.3	3.9	9.7	8.4	11.9
Other	0.7	0.9	0.6	0.7	1.1	1.0	1.1	1.2	0.6	0.8	1.0	1.5	0.2
<b>Highest academic degree planned at this institution</b>													
None	0.9	1.2	0.7	1.1	1.2	1.2	1.1	1.3	0.6	0.9	3.2	3.8	2.3
Vocational certificate	0.2	0.3	0.1	0.2	0.4	0.3	0.2	0.6	0.1	0.2	0.5	0.5	0.5
Associate (A.A. or equivalent)	2.0	2.8	1.3	2.9	2.6	2.1	2.4	3.3	1.3	1.0	3.8	4.1	3.5
Bachelor's degree (B.A., B.S., B.D., etc.)	69.1	72.7	65.8	73.4	71.8	75.5	60.6	73.1	65.3	67.5	62.8	58.7	69.7
Master's degree (M.A., M.S., M.B.A., etc.)	20.6	18.4	22.7	18.4	18.3	15.6	26.5	17.4	22.9	21.8	18.1	20.9	13.5
J.D. (Law)	0.8	0.4	1.2	0.4	0.5	0.7	0.7	0.4	1.1	1.4	0.9	1.0	0.8
M.D., D.O., D.D.S., D.V.M., etc. (Medical)	2.4	1.0	3.7	0.7	1.4	0.8	3.6	0.9	3.8	3.3	2.0	2.0	2.0
Ph.D.	2.1	1.4	2.8	1.3	1.4	1.4	2.2	1.0	3.0	2.1	3.5	3.4	3.8
Professional Doctorate (Ed.D., Psy.D., etc.)	1.1	0.9	1.2	0.8	1.1	1.2	1.6	0.8	1.2	1.1	2.9	2.8	2.9
Other	0.7	1.0	0.5	0.8	1.2	1.2	1.2	1.2	0.5	0.8	2.2	2.9	1.1

## PRE-PUBLICATION VERSION 4-19-2017

## 2016 CIRP Freshman Survey

## Weighted National Norms—Male Respondents

Men	All Bacc Institutions	Baccalaureate Institutions		4-year Colleges					Universities		Black Colleges and Universities		
		4-yr Coll	Universities	Public	Private	Nonsec	Catholic	Oth Relig	Public	Private	All HBCU	Public	Private
<b>In the past year, how often have you "Frequently" or "Occasionally":</b>													
Attended a religious service	67.1	70.6	63.6	67.4	74.5	66.3	77.6	81.5	62.3	69.4	84.7	83.2	87.6
Been bored in class*	38.6	36.9	40.3	36.8	37.0	37.4	34.9	37.4	41.0	37.3	40.1	39.8	40.6
Demonstrated for a cause (e.g., boycott, rally, protest)	19.9	18.4	21.4	16.9	20.2	22.2	22.0	17.4	20.8	24.3	29.3	22.7	41.5
Tutored another student	59.4	54.2	64.3	56.9	51.0	51.9	54.2	48.6	63.8	66.4	52.5	48.9	59.2
Studied with other students	86.8	85.5	88.1	85.0	86.0	86.6	87.6	84.8	87.8	89.8	85.6	84.6	87.4
Consumed beer*	7.2	6.0	8.4	4.6	7.7	9.5	8.9	5.3	8.0	10.4	1.8	1.5	2.2
Consumed wine or liquor*	6.3	5.3	7.3	4.2	6.7	8.2	7.2	5.0	6.8	9.3	3.6	3.4	3.9
Felt overwhelmed by all I had to do*	25.8	25.9	25.8	25.4	26.5	26.3	25.5	27.1	25.8	25.9	27.8	26.5	30.3
Felt depressed*	8.5	8.2	8.7	8.4	8.0	8.4	7.0	8.2	8.8	8.2	10.1	9.5	11.2
Performed volunteer work	84.7	82.2	87.2	80.1	84.7	83.9	87.0	84.5	86.8	89.1	78.0	74.1	85.3
Asked a teacher for advice after class	84.8	84.8	84.9	83.4	86.4	86.5	87.5	86.0	84.3	87.8	79.5	77.5	83.3
Voted in a student election	63.3	59.6	67.0	58.5	61.0	62.6	66.5	56.9	66.6	68.7	61.9	57.1	70.9
Socialized with someone of another racial/ethnic group	96.4	95.6	97.2	95.6	95.6	95.4	96.2	95.4	97.2	97.0	90.1	88.0	94.1
Been late to class*	7.6	6.8	8.4	7.2	6.2	6.6	6.4	5.8	8.4	8.8	8.7	8.0	10.0
Discussed religion	77.5	75.9	79.1	73.4	79.0	75.5	78.3	82.7	78.3	82.8	76.4	73.1	82.5
Discussed politics	87.8	84.8	90.7	84.5	85.2	86.5	86.5	83.3	90.6	91.2	75.4	72.0	82.1
Skipped school/class*	2.7	2.4	2.9	2.6	2.2	2.5	1.6	2.2	2.9	2.6	3.3	3.6	2.8
Publicly communicated my opinion about a cause (e.g., blog, email, petition)	47.5	46.1	48.8	44.1	48.5	49.5	49.3	47.0	48.4	50.9	56.7	53.4	62.8
Helped raise money for a cause or campaign	48.0	46.6	49.4	43.5	50.2	48.9	53.2	50.2	48.7	52.4	51.2	50.9	51.7
Fallen asleep in class*	6.6	6.7	6.6	7.2	5.9	5.6	5.4	6.5	6.8	5.8	8.6	9.0	7.8
Failed to complete homework on time*	6.2	6.2	6.2	6.3	6.0	6.3	5.3	6.1	6.4	5.4	6.6	6.6	6.6
Felt anxious*	23.7	22.8	24.5	21.9	23.9	24.5	21.8	24.1	24.5	24.9	20.6	18.1	25.3
*responses for "Frequently" only													
<b>Students rated as "A Major Strength" or "Somewhat Strong":</b>													
Ability to see the world from someone else's perspective	75.7	72.6	78.8	72.9	72.1	73.3	74.1	70.1	78.5	79.8	71.5	68.1	77.9
Tolerance of others with different beliefs	79.0	75.8	82.1	76.6	74.8	76.6	77.3	71.9	81.8	83.3	67.9	62.7	77.7
Openness to having my own views challenged	67.0	65.3	68.7	66.1	64.4	66.0	66.6	61.9	68.2	70.7	65.8	63.6	70.1
Ability to discuss and negotiate controversial issues	75.1	72.5	77.6	73.2	71.6	72.9	73.9	69.4	77.5	78.3	70.1	66.9	76.2
Ability to work cooperatively with diverse people	84.6	83.2	86.0	84.1	82.1	82.5	83.9	80.8	85.9	86.5	79.1	75.7	85.5
Critical Thinking Skills	79.5	75.1	83.8	76.1	73.9	75.1	77.2	71.3	83.6	85.0	73.4	70.7	78.6
Ability to manage your time effectively	47.3	47.2	47.5	47.8	46.4	45.2	49.5	46.3	47.2	48.6	55.0	55.3	54.5
<b>What is the highest level of formal education obtained by Parent/Guardian 1?</b>													
Junior high/Middle school or less	4.0	5.1	2.8	6.8	3.0	2.7	2.9	3.3	3.0	2.0	4.6	5.5	3.1
Some high school	3.7	4.8	2.6	6.1	3.3	3.2	3.1	3.5	2.7	2.0	5.3	6.0	3.8
High school graduate	14.6	17.0	12.3	18.2	15.6	14.6	14.0	17.4	13.1	8.6	24.5	27.2	19.4
Postsecondary school other than college	2.5	2.8	2.2	2.9	2.6	2.3	2.7	2.8	2.3	1.8	3.2	3.8	1.9
Some college	13.6	15.5	11.8	16.5	14.3	13.6	13.5	15.4	12.5	9.0	20.9	21.9	19.1
College degree	32.9	30.7	35.0	28.7	33.1	33.0	35.5	32.0	35.2	33.9	23.3	22.5	24.9
Some graduate school	2.1	1.8	2.3	1.7	2.1	2.1	2.1	2.0	2.2	2.5	1.7	1.7	1.7
Graduate degree	26.7	22.2	31.0	19.1	26.0	28.5	26.0	23.4	28.9	40.3	16.4	11.4	26.1

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2016 CIRP Freshman Survey

Weighted National Norms—Male Respondents

Men	All Bacc Institutions	Baccalaureate Institutions		4-year Colleges					Universities		Black Colleges and Universities		
		4-yr Coll	Universities	Public	Private	Nonsec	Catholic	Oth Relig	Public	Private	All HBCU	Public	Private
<b>What is the highest level of formal education obtained by Parent/Guardian 2?</b>													
Junior high/Middle school or less	4.1	5.2	2.9	7.2	3.0	2.9	2.8	3.1	3.1	2.1	3.9	3.9	4.0
Some high school	3.9	4.9	3.0	6.3	3.2	3.3	3.2	3.2	3.2	2.1	8.4	10.5	4.7
High school graduate	15.5	18.1	13.0	19.2	16.7	15.4	16.2	18.4	14.0	9.0	27.3	29.8	22.9
Postsecondary school other than college	2.8	3.0	2.5	3.1	3.0	3.0	3.5	2.8	2.6	2.1	4.0	4.2	3.5
Some college	14.1	15.4	12.9	16.7	13.8	12.4	12.8	15.7	13.4	10.7	19.5	21.0	16.8
College degree	34.9	32.2	37.4	29.7	35.1	35.2	36.4	34.3	37.3	38.0	21.1	19.8	23.2
Some graduate school	2.4	2.1	2.7	1.7	2.6	2.5	3.2	2.4	2.5	3.5	1.1	1.1	1.2
Graduate degree	22.4	19.1	25.5	16.1	22.7	25.5	21.9	20.2	23.9	32.4	14.7	9.6	23.6
<b>First generation in college</b>													
Yes	17.0	20.9	13.2	24.9	16.1	14.7	14.9	17.9	14.1	9.3	28.1	32.3	20.2
No	83.0	79.1	86.8	75.1	83.9	85.3	85.1	82.1	85.9	90.7	71.9	67.7	79.8
<b>During the past year, did you "Frequently":</b>													
Ask questions in class	48.7	47.1	50.3	45.2	49.5	52.5	51.3	45.7	48.7	57.4	49.0	46.4	53.8
Support your opinions with a logical argument	66.4	61.0	71.8	61.9	59.9	62.8	61.4	56.4	71.2	74.6	53.9	49.4	62.5
Seek solutions to problems and explain them to others	56.5	51.7	61.2	52.3	51.1	53.5	52.0	48.2	60.5	64.4	46.6	42.2	55.0
Evaluate the quality or reliability of information you received	51.0	46.3	55.7	47.1	45.3	46.8	47.5	42.9	55.1	58.5	42.5	38.2	50.6
Take a risk because you feel you have more to gain	40.9	39.8	41.9	40.0	39.6	40.2	40.3	38.7	41.3	44.3	43.3	42.6	44.6
Seek alternative solutions to a problem	46.9	45.0	48.8	45.6	44.4	45.8	45.7	42.4	48.1	51.9	42.9	39.6	49.2
Look up scientific research articles and resources	29.2	26.0	32.4	26.3	25.6	27.3	28.1	22.8	32.1	33.6	22.2	20.4	25.8
Explore topics on your own, even though it is not required for a class	42.2	38.2	46.2	39.2	36.9	38.6	37.0	35.2	45.4	49.6	35.3	32.0	41.4
Accept mistakes as part of the learning process	57.3	56.6	58.0	58.0	54.8	55.1	56.3	53.9	58.2	56.9	57.3	54.5	62.6
Analyze multiple sources of information before coming to a conclusion	46.9	43.3	50.5	43.9	42.5	43.7	44.8	40.2	49.7	54.0	41.0	36.5	49.4
Take on a challenge that scares you	37.1	37.2	37.0	37.4	37.0	37.6	37.3	36.3	36.6	39.0	40.5	39.2	43.1
<b>Students who are "Absolutely" or "Very" confident</b>													
Use technical science skills (use of tools, instruments, and/or techniques)	60.0	56.8	63.2	59.3	53.7	54.5	57.2	51.4	63.9	60.3	53.2	50.3	58.7
Generate a research question	46.4	42.9	50.0	43.2	42.6	44.0	46.6	39.4	49.6	51.4	49.0	47.3	52.2
Determine how to collect appropriate data	54.5	50.0	58.9	50.8	48.9	49.8	53.8	45.9	59.0	58.9	53.8	51.5	58.0
Explain the results of a study	60.7	55.8	65.7	56.8	54.6	55.7	58.0	51.9	65.3	67.3	54.9	50.6	63.0
Use scientific literature to guide research	40.9	36.5	45.4	37.1	35.8	38.0	38.4	32.4	45.0	46.9	40.2	38.5	43.4
Integrate results from multiple studies	51.4	46.6	56.2	47.8	45.2	47.0	50.0	41.3	55.7	58.3	44.6	41.4	50.7
Ask relevant questions	74.4	71.4	77.4	72.6	69.9	71.5	72.4	67.3	77.1	78.9	69.4	66.5	74.9
Identify what is known and not known about a problem	66.8	62.4	71.1	63.6	61.0	61.5	64.9	58.8	70.9	71.9	59.0	56.7	63.2
Understand scientific concepts	59.7	53.2	66.2	55.4	50.6	53.3	53.0	46.8	66.6	64.5	46.5	43.2	52.6
See connections between different areas of science and mathematics	60.9	55.1	66.6	57.9	51.8	53.6	55.2	48.4	67.2	63.9	49.4	45.9	56.0

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## 2016 CIRP Freshman Survey

## Weighted National Norms—Male Respondents

Men	All Bacc Institutions	Baccalaureate Institutions		4-year Colleges					Universities		Black Colleges and Universities		
		4-yr Coll	Universities	Public	Private	Nonsec	Catholic	Oth Relig	Public	Private	All HBCU	Public	Private
<b>Race/Ethnicity—mark all that apply (total may add to more than 100%)</b>													
American Indian/Alaska Native	1.8	2.0	1.6	2.2	1.8	1.6	1.3	2.4	1.6	1.5	2.7	3.0	2.3
East Asian (e.g., Chinese, Japanese, Korean, Taiwanese)	6.4	4.3	8.4	4.5	4.1	5.0	3.4	3.3	7.5	12.4	0.6	0.4	0.9
Filipino	2.6	2.8	2.3	4.1	1.3	1.0	1.7	1.4	2.3	2.0	0.3	0.3	0.3
Southeast Asian (e.g., Cambodian, Vietnamese, Hmong)	1.9	1.6	2.1	2.0	1.0	1.2	1.0	0.9	2.1	2.2	0.5	0.1	1.2
South Asian (e.g., Indian, Pakistani, Nepalese, Sri Lankan)	2.6	1.2	4.0	1.0	1.4	1.9	1.4	0.9	3.7	5.8	0.3	0.3	0.4
Other Asian	0.6	0.5	0.6	0.5	0.4	0.6	0.5	0.3	0.6	0.8	0.3	0.2	0.5
Native Hawaiian/Pacific Islander	1.0	1.1	0.8	1.2	1.1	0.9	0.9	1.2	0.8	0.8	1.5	1.3	1.9
African American/Black	12.0	16.9	7.2	16.1	17.9	18.2	11.9	20.2	6.9	8.7	95.8	96.3	95.0
Mexican American/Chicano	9.1	11.7	6.5	17.2	4.9	4.0	4.9	6.0	6.8	5.2	0.6	0.5	1.0
Puerto Rican	2.4	2.9	2.0	3.0	2.7	3.2	3.3	1.9	2.0	1.9	1.4	1.8	0.7
Other Latino	6.8	7.4	6.3	9.6	4.8	4.7	6.2	4.1	6.5	5.4	1.2	1.0	1.7
White/Caucasian	68.2	63.8	72.4	57.9	71.1	69.6	74.4	71.2	73.5	67.4	3.0	3.2	2.7
Other	2.4	2.7	2.1	3.1	2.2	2.0	2.3	2.2	2.0	2.7	1.8	1.2	3.0
<b>Students “Agree Strongly” or “Agree Somewhat”:</b>													
Wealthy people should pay a larger share of taxes than they do now	67.7	67.1	68.3	67.5	66.7	70.4	66.5	63.0	68.7	66.6	82.2	81.3	83.9
Addressing global climate change should be a federal policy	77.6	74.2	81.2	75.2	72.9	78.3	73.3	67.4	80.7	83.1	78.1	76.2	81.6
The federal government should have stricter gun control laws	58.8	55.6	62.0	55.5	55.8	61.7	58.9	48.5	59.9	70.5	76.9	74.1	82.1
Affirmative action in college admissions should be abolished	53.6	52.8	54.5	53.9	51.5	52.0	56.0	49.1	54.5	54.5	57.3	59.1	53.9
The federal government should raise taxes to reduce the deficit	39.5	37.2	41.9	37.1	37.3	40.7	35.5	34.6	41.6	43.2	43.4	40.9	48.1
Sexual activity that occurs without the presence of explicit, affirmative consent (i.e., “yes means yes”) is considered sexual assault	82.5	82.2	82.9	82.7	81.6	82.4	80.6	81.1	82.8	83.6	76.5	75.1	79.1
There is little that a person can do to be better at math—you are either “good” or “bad” at math	28.9	32.9	24.9	31.7	34.2	34.1	33.3	34.8	24.7	25.6	44.8	48.9	37.1
Intelligence is something that can be improved by studying or working harder	89.2	89.6	88.8	90.0	89.1	88.6	90.9	88.8	89.0	87.8	88.9	88.6	89.5
<b>How would you characterize your political views?</b>													
Far left	3.9	3.6	4.2	3.3	4.0	5.1	2.9	3.4	4.1	4.5	6.8	6.6	7.1
Liberal	25.0	21.4	28.5	21.9	20.9	25.2	19.8	17.1	28.0	30.7	24.3	19.1	34.1
Middle-of-the-road	44.2	45.2	43.2	45.9	44.5	44.9	45.5	43.6	43.6	41.3	44.2	44.2	44.2
Conservative	24.2	26.4	21.9	25.9	27.1	22.0	28.4	31.6	22.1	21.4	20.4	24.8	12.3
Far right	2.7	3.3	2.2	3.1	3.4	2.8	3.3	4.2	2.2	2.1	4.3	5.3	2.4

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Men	All Bacc Institutions	Baccalaureate Institutions		4-year Colleges					Universities		Black Colleges and Universities		
		4-yr Coll	Universities	Public	Private	Nonsec	Catholic	Oth Relig	Public	Private	All HBCU	Public	Private
<b>The following reasons were "Very Important" in deciding to go to college:</b>													
To be able to get a better job	84.7	84.1	85.3	84.4	83.6	83.0	88.7	82.0	85.7	83.7	85.9	84.6	88.2
To gain a general education and appreciation of ideas	70.2	70.8	69.6	69.0	72.8	75.3	73.8	69.9	68.4	74.5	78.1	76.2	81.6
To make me a more cultured person	44.0	44.5	43.4	41.6	48.0	50.7	47.6	45.5	41.3	52.6	60.1	55.0	69.7
To be able to make more money	74.9	74.8	74.9	75.2	74.4	75.1	79.5	71.5	75.9	70.8	84.6	84.2	85.4
To learn more about things that interest me	80.0	79.3	80.7	78.5	80.2	81.7	78.9	79.3	80.2	82.9	79.7	77.2	84.3
To get training for a specific career	75.0	76.8	73.2	78.5	74.7	70.1	79.4	77.3	74.1	69.3	80.6	79.2	83.3
To prepare myself for graduate or professional school	54.4	53.1	55.8	50.9	55.6	56.1	60.9	52.8	55.6	56.4	70.1	67.5	75.1
To please my family	35.1	39.8	30.4	40.6	38.8	37.6	41.2	39.0	30.3	30.7	61.8	63.5	58.7
<b>During your last year in high school, how much time did you spend during a typical week doing the following activities?</b>													
<b>Studying/homework</b>													
None	2.7	3.0	2.4	3.3	2.7	3.0	2.5	2.6	2.6	1.6	4.7	5.6	2.9
Less than one hour	10.1	11.5	8.5	12.4	10.5	9.4	9.8	12.0	9.3	5.4	13.8	16.1	9.5
1 to 2 hours	21.6	24.5	18.4	25.3	23.6	22.3	22.1	25.6	19.5	14.3	31.8	35.2	25.2
3 to 5 hours	27.2	28.0	26.4	28.2	27.7	28.2	26.7	27.6	26.8	25.0	26.9	24.6	31.2
6 to 10 hours	20.0	18.2	22.0	17.0	19.6	19.5	22.1	18.5	21.7	23.5	13.2	11.5	16.3
11 to 15 hours	9.6	8.0	11.4	7.6	8.5	9.2	9.4	7.4	10.5	14.8	5.2	3.8	7.9
16 to 20 hours	4.9	3.8	6.0	3.6	4.1	4.5	4.3	3.6	5.5	8.0	2.2	1.2	4.2
Over 20 hours	3.9	3.0	4.8	2.7	3.3	3.9	3.0	2.9	4.2	7.3	2.3	2.0	2.8
<b>Socializing with friends</b>													
None	0.9	0.9	0.8	1.0	0.8	1.0	0.6	0.8	0.8	0.8	1.7	1.8	1.5
Less than one hour	2.6	2.8	2.4	3.2	2.4	2.4	2.5	2.4	2.5	2.1	4.9	5.5	3.7
1 to 2 hours	10.8	11.4	10.2	12.6	9.9	9.9	8.5	10.5	10.6	8.7	15.4	15.8	14.7
3 to 5 hours	24.8	25.2	24.4	25.9	24.3	25.2	24.4	23.5	24.6	23.6	26.6	26.1	27.5
6 to 10 hours	26.8	25.7	27.9	25.2	26.2	26.2	26.2	26.0	27.8	28.6	20.2	19.2	21.9
11 to 15 hours	15.4	14.6	16.3	13.2	16.1	16.0	16.7	16.0	16.2	16.6	10.3	9.4	12.1
16 to 20 hours	7.9	7.9	7.9	7.4	8.5	8.2	8.8	8.6	7.7	8.8	7.4	7.1	7.8
Over 20 hours	10.8	11.6	10.1	11.4	11.7	11.1	12.3	12.1	9.8	10.9	13.6	15.0	11.0
<b>Online social networks (Facebook, Twitter, etc.)</b>													
None	6.1	5.8	6.6	6.3	5.1	5.0	5.0	5.4	7.0	4.8	5.2	5.6	4.6
Less than one hour	11.3	11.9	10.6	12.7	10.9	11.2	10.3	10.9	11.0	9.2	11.5	11.8	11.1
1 to 2 hours	22.9	23.1	22.7	23.0	23.2	23.2	22.9	23.4	22.8	22.2	19.8	19.1	21.0
3 to 5 hours	26.1	25.7	26.5	24.5	27.1	26.9	27.2	27.1	26.3	27.1	20.7	19.8	22.5
6 to 10 hours	16.4	15.8	16.9	15.4	16.3	17.5	16.5	15.0	16.5	18.7	16.8	17.3	15.8
11 to 15 hours	7.9	7.9	7.9	8.0	7.8	7.4	8.3	7.9	7.8	8.6	9.8	9.3	10.9
16 to 20 hours	3.9	3.8	4.1	3.6	4.0	3.7	3.9	4.2	4.0	4.6	4.8	4.3	6.0
Over 20 hours	5.4	6.1	4.7	6.4	5.7	5.1	6.0	6.1	4.6	4.9	11.3	12.9	8.1
<b>Partying</b>													
None	36.9	38.3	35.3	40.5	35.7	31.7	30.4	42.3	36.2	32.1	25.5	25.5	25.4
Less than one hour	17.8	17.1	18.5	17.5	16.7	16.6	16.3	16.9	18.7	17.7	16.8	17.3	15.9
1 to 2 hours	17.9	17.8	17.9	17.4	18.2	19.6	18.8	16.6	17.8	18.5	25.2	25.5	24.6
3 to 5 hours	15.9	15.2	16.7	13.8	16.8	18.3	19.7	14.0	16.0	19.0	19.1	18.2	20.8
6 to 10 hours	6.9	6.7	7.1	6.1	7.5	8.4	9.1	5.8	6.9	7.7	8.3	8.3	8.3
11 to 15 hours	2.5	2.5	2.6	2.5	2.5	2.8	2.8	2.0	2.5	2.9	2.5	2.5	2.5
16 to 20 hours	1.0	1.1	0.9	1.0	1.1	1.2	1.5	0.9	0.9	1.0	0.9	0.9	0.8
Over 20 hours	1.2	1.3	1.0	1.2	1.4	1.4	1.4	1.5	1.1	1.0	1.7	1.7	1.6

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		4-yr Coll	Universities	Public	Private	Nonsec	Catholic	Oth Relig	Public	Private	All HBCU	Public	Private
<b>During your last year in high school, how much time did you spend during a typical week doing the following activities?</b>													
<b>Student clubs/groups</b>													
None	23.5	27.0	19.8	29.6	24.1	22.6	20.4	27.1	21.2	14.1	27.9	31.9	20.5
Less than one hour	12.8	13.7	11.9	13.8	13.6	12.6	12.8	14.9	12.4	9.9	11.6	12.2	10.4
1 to 2 hours	23.6	23.3	23.9	22.7	23.9	24.8	23.9	23.0	24.0	23.8	22.1	22.4	21.7
3 to 5 hours	19.3	17.4	21.3	16.7	18.3	19.6	21.5	15.5	20.4	25.0	17.6	15.1	22.2
6 to 10 hours	10.3	9.1	11.7	8.5	9.9	10.4	11.2	8.8	10.9	14.4	9.7	7.6	13.7
11 to 15 hours	5.0	4.4	5.7	3.8	5.1	5.0	5.5	5.0	5.5	6.4	4.1	3.3	5.6
16 to 20 hours	2.3	2.1	2.5	2.0	2.2	2.4	1.9	2.2	2.4	3.0	2.5	2.4	2.7
Over 20 hours	3.1	3.0	3.2	3.0	3.0	2.7	2.9	3.5	3.2	3.4	4.5	5.1	3.2
<b>Exercise or sports</b>													
None	6.6	6.7	6.5	7.6	5.6	5.6	4.5	6.1	6.8	5.5	7.8	7.1	9.0
Less than one hour	6.4	6.0	6.8	6.8	5.1	5.4	4.5	5.2	7.0	5.8	7.6	7.1	8.5
1 to 2 hours	12.5	12.1	12.9	13.2	10.9	11.1	10.4	10.9	13.0	12.4	18.2	18.6	17.4
3 to 5 hours	17.8	16.6	19.2	17.4	15.7	15.4	17.1	15.4	19.0	19.7	19.5	19.3	19.8
6 to 10 hours	19.6	18.3	21.0	19.0	17.5	17.5	19.9	16.5	21.0	21.2	17.0	16.9	17.2
11 to 15 hours	15.6	15.7	15.5	15.0	16.4	17.2	17.0	15.4	15.5	15.7	10.9	10.8	10.9
16 to 20 hours	9.2	10.0	8.4	8.6	11.6	12.2	10.5	11.4	8.1	9.2	5.8	5.4	6.7
Over 20 hours	12.3	14.6	9.8	12.5	17.1	15.5	16.2	19.2	9.6	10.4	13.2	14.7	10.4
<b>Working (for pay)</b>													
None	45.5	45.1	45.8	49.3	40.3	41.6	37.6	40.1	44.0	52.9	43.1	41.5	46.2
Less than one hour	3.9	3.7	4.1	3.2	4.2	4.3	3.5	4.5	4.0	4.5	4.0	4.1	3.9
1 to 2 hours	5.3	5.6	5.0	5.2	6.0	5.9	6.2	6.1	4.9	5.3	7.1	7.6	6.2
3 to 5 hours	8.3	8.5	8.1	7.3	9.9	10.0	9.9	9.8	7.9	9.0	9.7	9.5	10.0
6 to 10 hours	10.4	10.5	10.2	9.6	11.7	11.4	12.2	11.8	10.4	9.4	10.4	11.1	9.0
11 to 15 hours	8.7	8.4	9.0	7.7	9.1	8.8	10.8	8.6	9.4	7.3	6.6	5.9	7.8
16 to 20 hours	7.9	7.5	8.2	7.2	7.9	7.3	8.6	8.2	8.9	5.7	7.2	7.3	7.1
Over 20 hours	10.2	10.7	9.7	10.5	10.8	10.7	11.2	10.8	10.6	5.9	11.9	13.0	9.8
<b>Household/childcare duties</b>													
None	27.6	28.9	26.2	28.1	30.0	30.8	26.1	30.8	25.1	30.7	32.3	33.1	30.9
Less than one hour	17.1	16.6	17.6	15.9	17.4	17.7	16.9	17.2	17.7	17.5	14.5	14.3	14.9
1 to 2 hours	26.7	25.8	27.8	26.5	25.0	24.3	26.7	24.9	28.0	27.0	21.6	21.8	21.3
3 to 5 hours	17.9	17.4	18.4	17.8	17.0	16.7	17.9	16.8	19.1	15.7	14.9	13.6	17.3
6 to 10 hours	6.1	6.4	5.8	6.6	6.2	6.3	6.9	5.8	5.8	5.7	7.1	6.7	8.0
11 to 15 hours	2.0	2.1	1.9	2.3	1.9	1.8	2.4	1.7	2.0	1.6	3.5	3.6	3.4
16 to 20 hours	1.0	1.0	0.9	1.0	1.0	0.8	1.2	1.1	0.9	0.9	1.3	1.3	1.3
Over 20 hours	1.6	1.8	1.3	1.9	1.7	1.5	1.9	1.8	1.4	1.0	4.7	5.7	2.7

PRE-PUBLICATION VERSION 4-19-2017

2016 CIRP Freshman Survey

Weighted National Norms—Male Respondents

Men	All Bacc Institutions	Baccalaureate Institutions		4-year Colleges					Universities		Black Colleges and Universities		
		4-yr Coll	Universities	Public	Private	Nonsec	Catholic	Oth Relig	Public	Private	All HBCU	Public	Private
<b>The following reasons were "Very Important" in deciding to go to this particular college:</b>													
My parents/relatives wanted me to come here	15.8	17.3	14.1	17.4	17.2	16.7	17.9	17.3	14.1	14.4	27.5	25.1	32.1
My teacher advised me	7.6	8.8	6.3	9.0	8.6	9.1	9.2	7.7	6.1	6.9	15.6	17.3	12.3
This college has a very good academic reputation	61.3	57.7	65.0	56.4	59.3	60.8	64.1	55.7	63.8	69.5	48.2	41.1	61.7
This college has a good reputation for its social and extracurricular activities	48.6	46.7	50.6	44.5	49.3	49.5	48.2	49.6	50.5	51.4	51.8	49.1	57.1
I was offered financial assistance	42.2	46.0	38.2	35.6	58.3	56.8	60.9	58.7	35.5	48.4	48.8	47.5	51.2
The cost of attending this college	43.5	42.3	44.8	47.8	35.8	37.0	39.3	32.9	48.6	29.9	45.5	49.4	38.2
High school counselor advised me	10.7	11.9	9.3	12.0	11.9	13.3	13.5	9.7	9.0	10.7	19.9	20.8	18.1
Private college counselor advised me	5.3	6.3	4.2	4.8	8.2	8.6	8.3	7.6	3.5	7.1	13.5	14.2	12.2
I wanted to live near home	18.6	21.8	15.3	25.7	17.3	14.6	22.9	17.5	15.8	13.1	20.6	22.2	17.4
Not offered aid by first choice	10.3	10.0	10.7	9.4	10.7	10.4	13.4	9.8	11.1	9.5	19.1	20.0	17.3
Could not afford first choice	12.7	12.0	13.3	12.3	11.8	11.7	14.0	10.8	14.6	8.5	22.2	24.2	18.5
This college's graduates gain admission to top graduate/professional schools	30.1	28.0	32.2	26.4	30.0	32.7	33.3	25.7	30.6	38.5	33.4	25.8	47.9
This college's graduates get good jobs	52.9	51.8	54.2	51.1	52.5	52.5	58.8	49.8	52.0	62.5	49.4	43.0	61.7
I was attracted by the religious affiliation/orientation of this college	7.8	10.9	4.6	5.3	17.3	8.7	17.6	26.0	2.9	10.8	15.9	14.5	18.5
I wanted to go to a school about the size of this college	31.2	32.5	29.8	23.9	42.7	43.0	44.4	41.6	27.6	38.2	31.0	29.5	33.8
Rankings in national magazines	18.4	14.7	22.3	13.3	16.5	18.1	18.8	13.8	20.9	27.9	17.3	13.0	25.4
I was admitted through an Early Action or Early Decision program	13.7	11.4	16.2	7.2	16.4	20.5	17.9	11.6	14.5	22.5	16.6	14.1	21.5
A visit to this campus	40.4	41.8	38.9	34.4	50.6	52.2	50.4	49.0	36.4	48.4	40.3	37.3	45.9
This college's graduates make a difference in the world	36.0	38.0	33.9	38.9	37.0	38.3	37.1	35.6	31.1	44.3	44.1	36.5	58.6
<b>Students rated as "Highest 10%" or "Above Average" as compared with the average person their age:</b>													
Academic ability	76.2	69.1	83.4	70.1	67.9	69.5	67.7	66.3	83.3	84.1	65.8	62.4	72.2
Artistic ability	27.1	27.8	26.3	28.1	27.5	27.2	24.2	29.2	25.2	30.9	41.0	40.6	41.8
Compassion	63.2	63.1	63.2	61.7	64.6	63.7	66.5	64.8	62.2	67.5	65.9	63.4	70.7
Creativity	53.8	53.7	53.8	53.4	54.0	53.8	52.7	54.7	52.9	57.8	64.3	63.3	66.3
Drive to achieve	75.2	75.2	75.1	75.5	74.9	74.5	75.7	74.9	74.4	78.3	78.9	77.1	82.5
Emotional health	55.8	55.7	55.9	55.7	55.7	55.0	58.3	55.3	55.7	56.5	58.5	57.5	60.3
Leadership ability	66.7	66.4	67.1	65.7	67.2	66.2	67.5	68.0	66.2	70.7	71.3	70.0	73.7
Mathematical ability	57.8	50.9	64.8	53.6	47.7	48.7	50.2	45.7	65.2	63.2	44.4	42.3	48.4
Physical health	64.2	65.1	63.3	63.6	67.0	67.0	67.0	67.0	62.9	64.5	65.0	65.0	65.1
Public speaking ability	46.2	44.4	48.1	44.2	44.6	46.0	44.5	43.3	46.5	54.4	48.5	46.1	53.2
Risk-taking	51.2	51.6	50.8	51.7	51.5	50.9	52.6	51.5	50.0	54.1	58.9	58.4	59.9
Self-confidence (intellectual)	70.3	67.4	73.4	67.8	66.9	66.7	65.4	67.7	73.0	74.8	74.5	74.3	74.8
Self-confidence (social)	52.2	54.1	50.2	54.4	53.6	52.7	53.5	54.6	49.9	51.6	67.2	68.4	64.7
Spirituality	35.4	38.7	32.1	37.4	40.3	35.2	39.5	45.9	31.2	35.7	54.3	53.5	55.9
Understanding of others	69.6	68.6	70.5	69.1	68.1	67.8	70.0	67.6	70.0	72.5	72.3	71.1	74.7
Writing ability	46.4	43.3	49.6	43.4	43.2	44.9	44.7	40.8	47.8	56.9	52.0	50.3	55.2

## PRE-PUBLICATION VERSION 4-19-2017

## 2016 CIRP Freshman Survey

## Weighted National Norms—Male Respondents

Men	All Bacc Institutions	Baccalaureate Institutions		4-year Colleges					Universities		Black Colleges and Universities		
		4-yr Coll	Universities	Public	Private	Nonsec	Catholic	Oth Relig	Public	Private	All HBCU	Public	Private
<b>Military Status:</b>													
None	94.4	90.7	98.3	84.0	98.5	98.6	97.6	98.8	98.2	98.7	96.1	96.0	96.4
ROTC, cadet, or midshipman at a service academy	5.0	8.5	1.3	14.7	1.2	1.1	2.1	0.9	1.4	1.0	2.8	2.8	3.0
In the Reserves or National Guard	0.3	0.3	0.2	0.3	0.2	0.2	0.1	0.2	0.3	0.2	0.5	0.6	0.3
On Active Duty	0.2	0.4	0.0	0.8	0.1	0.1	0.0	0.1	0.0	0.1	0.1	0.1	0.2
A discharged veteran NOT serving in Active Duty, Reserves, or National Guard	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.1	0.1	0.4	0.5	0.1
<b>How many years do you expect it will take you to graduate from this college?</b>													
1	0.1	0.1	0.0	0.1	0.2	0.2	0.1	0.2	0.0	0.1	0.3	0.3	0.1
2	0.6	0.6	0.6	0.7	0.4	0.5	0.4	0.5	0.6	0.3	0.5	0.5	0.7
3	2.8	2.3	3.2	2.1	2.6	2.3	1.8	3.2	3.3	2.8	4.4	3.2	6.8
4	86.7	86.4	87.0	84.6	88.5	90.4	85.5	88.0	87.7	84.0	85.2	86.8	82.4
5	7.0	7.2	6.7	9.2	4.9	3.5	8.5	4.8	5.8	10.5	5.2	5.9	3.9
6 or more	1.6	1.6	1.6	1.5	1.8	1.9	2.8	1.1	1.6	1.4	2.4	1.6	3.9
Do not plan to graduate from this college	1.3	1.7	0.9	1.8	1.6	1.3	1.0	2.3	0.9	0.8	1.9	1.7	2.2
<b>What is your sexual orientation?</b>													
Heterosexual/Straight	94.2	95.0	93.3	95.0	95.0	93.8	95.6	96.0	93.6	92.4	94.5	95.9	91.9
Gay	2.7	2.3	3.0	2.3	2.3	2.8	1.9	2.0	2.8	3.9	2.6	1.7	4.2
Lesbian	0.0	0.1	0.0	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.1	0.1	0.0
Bisexual	2.0	1.6	2.5	1.7	1.6	2.1	1.5	1.0	2.5	2.6	1.7	1.5	2.1
Queer	0.2	0.2	0.3	0.1	0.2	0.3	0.2	0.1	0.2	0.3	0.2	0.2	0.4
Other	0.9	0.8	0.9	0.8	0.9	0.9	0.8	0.8	0.9	0.9	0.9	0.6	1.4
<b>Do you identify as transgender?</b>													
Yes	0.4	0.4	0.4	0.3	0.5	0.6	0.4	0.3	0.4	0.4	0.6	0.7	0.3
No	99.6	99.6	99.6	99.7	99.5	99.4	99.6	99.7	99.6	99.6	99.4	99.3	99.7
<b>Students with disabilities or medical conditions</b>													
Learning Disability (dyslexia, etc.)	3.2	3.9	2.4	2.9	5.0	5.6	4.7	4.6	2.2	3.2	3.7	4.0	3.2
Attention deficit hyperactivity disorder (ADHD)	8.4	9.0	7.8	7.4	11.0	11.6	9.6	10.9	7.5	8.8	9.1	9.3	8.8
Autism spectrum disorder	1.0	1.0	0.9	0.9	1.3	1.2	1.0	1.5	0.9	0.8	0.9	1.1	0.5
Physical disability (speech, sight, mobility, hearing, etc.)	4.8	5.0	4.7	5.1	4.8	4.7	4.7	5.1	4.9	3.9	5.3	5.6	4.7
Chronic illness (cancer, diabetes, autoimmune disorders, etc.)	1.9	1.6	2.2	1.3	1.8	1.6	1.9	2.0	2.3	1.9	1.9	2.1	1.6
Psychological disorder (depression, etc.)	6.1	5.6	6.7	4.9	6.4	6.9	6.2	6.0	6.6	6.9	3.8	4.1	3.1
Other	4.0	4.0	3.9	3.7	4.5	4.4	4.5	4.5	4.0	3.6	4.8	4.9	4.6
<b>Will you pursue a science-related research career?</b>													
Definitely yes	15.0	12.4	17.7	13.7	11.0	11.4	12.3	10.0	18.9	12.8	12.7	9.6	18.5
Probably yes	19.9	17.9	21.9	20.0	15.5	16.7	14.7	14.6	23.0	17.5	15.5	15.5	15.7
Uncertain	22.1	22.0	22.2	22.9	20.8	21.2	20.3	20.8	22.7	20.2	19.0	19.9	17.2
Probably no	27.0	29.2	24.7	27.9	30.7	30.0	29.9	31.8	23.6	29.1	30.1	32.7	25.1
Definitely no	16.0	18.4	13.4	15.4	21.9	20.7	22.8	22.8	11.7	20.3	22.7	22.4	23.5
<b>Students who "Strongly Agree" or "Agree Somewhat"</b>													
I have a strong sense of belonging to a community of scientists	28.9	24.6	33.5	25.5	23.4	25.3	25.5	20.6	34.3	30.5	26.5	23.1	33.1
I derive great personal satisfaction from working on a team that is doing important research	52.4	47.8	57.3	50.5	44.7	46.4	47.7	41.7	58.2	54.1	44.5	41.8	49.8
I think of myself as a scientist	23.9	19.0	29.2	20.2	17.5	19.6	18.7	14.8	29.6	27.6	19.4	16.2	25.5
I feel like I belong in the field of science	35.5	28.9	42.5	31.2	26.2	28.1	29.3	23.0	44.3	35.9	23.4	18.3	33.1

PRE-PUBLICATION VERSION 4-19-2017

2016 CIRP Freshman Survey

Weighted National Norms—Male Respondents

Men	All Bacc Institutions	Baccalaureate Institutions		4-year Colleges					Universities		Black Colleges and Universities		
		4-yr Coll	Universities	Public	Private	Nonsec	Catholic	Oth Relig	Public	Private	All HBCU	Public	Private
<b>Objectives considered to be "Essential" or "Very Important":</b>													
Becoming accomplished in one of the performing arts (acting, dancing, etc.)	16.2	17.6	14.8	16.7	18.7	17.7	15.6	21.3	13.9	17.8	32.7	33.6	31.1
Becoming an authority in my field	60.3	60.3	60.3	60.4	60.2	60.6	62.6	58.7	58.9	65.6	68.0	64.6	74.4
Obtaining recognition from my colleagues for contributions to my special field	57.3	56.0	58.8	55.5	56.5	57.8	60.6	53.2	58.2	60.9	64.7	61.8	70.2
Influencing the political structure	29.7	30.2	29.1	30.2	30.3	31.8	32.4	27.6	27.7	34.1	44.1	40.9	50.4
Influencing social values	45.0	46.5	43.4	44.9	48.2	47.4	50.6	48.0	41.6	50.2	59.9	56.2	67.1
Raising a family	72.8	74.2	71.2	72.9	75.8	73.3	79.1	76.8	70.8	72.6	74.2	72.1	78.4
Being very well off financially	82.3	81.7	83.0	83.7	79.4	79.5	84.2	77.2	83.6	80.5	81.6	78.6	87.4
Helping others who are in difficulty	71.9	72.2	71.6	71.2	73.4	71.9	75.5	74.1	70.8	74.5	72.9	68.7	81.2
Making a theoretical contribution to science	27.9	24.5	31.5	24.9	24.1	25.6	26.2	21.6	32.4	28.1	36.6	35.1	39.6
Writing original works (poems, novels, etc.)	18.0	19.1	16.8	17.7	20.7	21.7	18.1	20.9	16.0	19.6	36.2	35.5	37.7
Creating artistic works (painting, sculpture, etc.)	15.7	17.4	13.9	16.6	18.4	19.0	16.4	18.7	13.1	16.7	30.9	31.3	30.0
Becoming successful in a business of my own	46.4	48.2	44.5	47.4	49.2	50.2	52.7	46.6	43.2	49.2	70.1	68.6	73.0
Becoming involved in programs to clean up the environment	31.9	31.8	32.0	31.4	32.4	35.1	32.2	29.6	31.2	35.0	51.5	50.5	53.4
Developing a meaningful philosophy of life	48.3	46.9	49.8	45.8	48.1	49.4	47.3	47.2	48.1	55.8	57.3	54.5	62.6
Participating in a community action program	30.6	31.0	30.1	29.1	33.3	33.2	34.8	32.8	28.7	35.5	52.3	49.1	58.7
Helping to promote racial understanding	42.1	43.0	41.2	41.5	44.7	46.7	42.2	43.7	39.9	46.0	66.1	62.4	73.3
Keeping up to date with political affairs	48.8	46.4	51.5	46.6	46.1	48.9	48.5	42.1	50.0	57.0	53.5	50.3	59.5
Becoming a community leader	42.5	43.2	41.8	42.0	44.5	45.4	44.5	43.6	39.9	48.8	59.5	57.3	63.7
Improving my understanding of other countries and cultures	53.1	51.7	54.7	50.9	52.6	54.4	52.7	50.6	52.2	63.6	61.2	57.3	69.0
Integrating spirituality into my life	39.6	44.1	34.8	41.6	47.0	39.6	45.1	55.4	33.1	40.9	63.2	60.9	67.7
<b>Students estimate "Very Good Chance" that they will:</b>													
Change major field	10.8	9.9	11.8	10.6	9.1	9.8	8.5	8.7	12.1	10.8	9.5	9.4	9.5
Change career choice	10.5	9.1	12.1	8.7	9.5	10.6	8.7	8.8	12.0	12.5	7.9	7.7	8.5
Participate in student government	7.0	6.9	7.0	7.0	6.7	7.4	7.3	5.8	6.5	9.0	13.5	11.8	16.8
Get a job to help pay for college expenses	42.5	41.3	43.8	41.3	41.3	39.8	43.9	41.7	45.7	36.6	38.0	36.9	40.2
Join a social fraternity or sorority	10.6	9.1	12.1	9.0	9.3	10.7	8.7	8.2	11.9	12.8	26.6	24.3	31.1
Transfer to another college before graduating	5.2	6.2	4.0	6.5	5.8	5.7	4.5	6.6	4.1	3.9	10.4	11.1	9.2
Participate in volunteer or community service work	25.3	23.8	26.9	21.9	25.9	25.2	28.4	25.5	25.1	33.3	30.3	24.9	40.6
Seek personal counseling	10.4	10.2	10.6	10.3	10.2	10.8	10.4	9.5	10.2	11.9	13.3	11.5	16.8
Communicate regularly with your professors	43.0	41.1	45.2	38.2	44.3	46.8	46.0	40.9	43.0	53.1	35.9	30.0	47.5
Participate in student clubs/groups	43.8	38.1	50.1	36.6	39.7	42.6	45.7	34.0	48.3	56.7	33.8	27.8	45.5
Participate in a study abroad program	22.6	20.0	25.4	15.0	25.7	29.8	25.6	21.6	22.6	35.2	22.4	17.1	32.4
Work on a professor's research project	20.4	17.5	23.6	15.6	19.6	21.7	19.9	17.3	22.8	26.5	24.4	21.6	29.9
Get tutoring help in specific courses	27.8	28.6	26.8	30.1	26.9	28.2	29.2	24.6	27.3	25.1	34.2	30.5	41.3
Take courses from more than one college simultaneously	5.2	5.0	5.5	4.7	5.4	6.1	5.5	4.5	5.5	5.7	10.3	9.2	12.5
Take a leave of absence from this college temporarily	2.2	2.5	1.8	2.5	2.5	2.8	2.5	2.3	1.7	2.2	7.1	7.1	7.1
Take a course exclusively online	4.8	5.3	4.2	5.5	5.0	3.9	4.9	6.1	4.5	3.4	9.7	10.0	9.3
Vote in a local, state, or national election	60.6	55.9	65.8	56.4	55.3	54.8	57.6	54.6	66.6	62.9	47.3	41.5	58.5

## PRE-PUBLICATION VERSION 4-19-2017

## 2016 CIRP Freshman Survey

## Weighted National Norms—Male Respondents

Men	All Bacc Institutions	Baccalaureate Institutions		4-year Colleges					Universities		Black Colleges and Universities		
		4-yr Coll	Universities	Public	Private	Nonsec	Catholic	Oth Relig	Public	Private	All HBCU	Public	Private
<b>CIRP Construct: Habits of Mind</b>													
High	31.0	35.5	26.6	34.3	36.8	34.4	35.4	40.0	27.3	23.9	40.8	45.4	32.1
Average	42.9	41.7	44.0	43.1	39.9	40.3	39.8	39.5	44.3	42.9	37.2	36.2	39.0
Low	26.1	22.9	29.3	22.6	23.2	25.3	24.8	20.4	28.4	33.2	22.0	18.3	28.9
Mean	49.57	48.63	50.50	48.69	48.56	49.16	49.10	47.71	50.29	51.42	47.87	46.92	49.66
<b>CIRP Construct: Academic Self-Concept</b>													
High	0.2	0.3	0.2	0.3	0.3	0.3	0.3	0.3	0.2	0.2	0.3	0.3	0.2
Average	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.4	0.4	0.4	0.5
Low	0.3	0.2	0.4	0.2	0.2	0.2	0.2	0.2	0.3	0.4	0.3	0.3	0.3
Mean	51.70	50.22	53.21	50.51	49.86	50.13	49.93	49.56	53.03	53.97	50.95	50.54	51.74
<b>CIRP Construct: Social Self-Concept</b>													
High	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.2
Average	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
Low	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.4	0.4	0.4
Mean	51.33	51.36	51.29	51.28	51.46	51.42	51.55	51.45	51.03	52.33	53.86	53.74	54.10
<b>CIRP Construct: Pluralistic Orientation</b>													
High	0.3	0.3	0.2	0.3	0.3	0.3	0.3	0.3	0.2	0.2	0.3	0.4	0.2
Average	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.3	0.3	0.4
Low	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.4	0.3	0.4
Mean	50.20	49.59	50.80	49.85	49.27	49.67	49.84	48.63	50.71	51.19	49.95	49.05	51.66
<b>CIRP Construct: Social Agency</b>													
High	0.2	0.2	0.3	0.3	0.2	0.2	0.2	0.2	0.3	0.2	0.1	0.1	0.1
Average	0.4	0.5	0.4	0.4	0.5	0.5	0.5	0.5	0.4	0.4	0.4	0.4	0.3
Low	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.4	0.5	0.5	0.6
Mean	50.71	50.87	50.55	50.37	51.44	51.66	51.69	51.10	50.07	52.32	55.62	54.46	57.86
<b>CIRP Construct: Civic Engagement</b>													
High	0.2	0.2	0.2	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.1
Average	0.4	0.5	0.4	0.5	0.4	0.4	0.4	0.5	0.4	0.4	0.4	0.4	0.3
Low	0.3	0.3	0.3	0.3	0.3	0.3	0.4	0.3	0.3	0.4	0.4	0.4	0.5
Mean	51.55	51.17	51.92	50.62	51.83	51.99	52.50	51.37	51.62	53.25	53.81	52.61	56.03
<b>CIRP Construct: College Reputation Orientation</b>													
High	0.4	0.4	0.3	0.4	0.4	0.4	0.3	0.4	0.3	0.3	0.4	0.5	0.3
Average	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.3	0.3	0.3
Low	0.3	0.3	0.3	0.2	0.3	0.3	0.3	0.2	0.3	0.4	0.3	0.2	0.4
Mean	49.32	48.88	49.79	48.56	49.25	49.48	50.53	48.45	49.42	51.26	48.58	47.07	51.46
<b>CIRP Construct: Likelihood of College Involvement</b>													
High	0.4	0.4	0.3	0.4	0.4	0.4	0.3	0.4	0.3	0.2	0.4	0.5	0.3
Average	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
Low	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.2	0.2	0.3
Mean	47.75	46.83	48.76	46.30	47.43	47.98	48.37	46.42	48.29	50.46	46.77	45.19	49.83
<b>CIRP Construct: Science Self-Efficacy</b>													
High	0.2	0.3	0.2	0.3	0.3	0.3	0.3	0.3	0.2	0.2	0.3	0.4	0.3
Average	0.5	0.5	0.5	0.5	0.4	0.5	0.5	0.4	0.5	0.5	0.4	0.4	0.4
Low	0.3	0.2	0.3	0.3	0.2	0.3	0.3	0.2	0.3	0.3	0.3	0.2	0.3
Mean	51.38	50.22	52.54	50.47	49.91	50.36	51.01	48.97	52.49	52.74	50.52	49.66	52.16
<b>CIRP Construct: Science Identity</b>													
High	0.2	0.3	0.2	0.2	0.3	0.3	0.3	0.3	0.2	0.3	0.3	0.3	0.3
Average	0.4	0.5	0.4	0.5	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.5	0.4
Low	0.3	0.3	0.4	0.3	0.2	0.3	0.3	0.2	0.4	0.3	0.2	0.2	0.3
Mean	51.14	49.95	52.42	50.54	49.26	49.82	49.85	48.42	52.79	51.00	49.67	48.88	51.17

**2016 National Norms**

**First-Time, Full-Time Freshmen  
by Institutional Type  
Female Respondents**



PRE-PUBLICATION VERSION 4-19-2017

2016 CIRP Freshman Survey

Weighted National Norms—Female Respondents

Women	All Bacc Institutions	Baccalaureate Institutions		4-year Colleges					Universities		Black Colleges and Universities		
		4-yr Coll	Universities	Public	Private	Nonsec	Catholic	Oth Relig	Public	Private	All HBCU	Public	Private
<b>First-time Full-time Freshmen</b>	79,456	46,469	32,987	17,402	29,067	12,839	6,699	9,529	20,752	12,235	3,069	1,517	1,552
<b>Is English your primary language?</b>													
Yes	93.0	92.9	93.0	91.7	94.4	92.6	95.3	95.7	93.4	91.6	99.0	99.2	98.7
No	7.0	7.1	7.0	8.3	5.6	7.4	4.7	4.3	6.6	8.4	1.0	0.8	1.3
<b>In what year did you graduate from high school?</b>													
2016	98.4	98.0	98.9	97.8	98.2	97.8	99.0	98.1	99.0	98.4	97.4	97.1	98.0
2015	1.3	1.6	0.9	1.8	1.5	1.9	0.8	1.4	0.8	1.3	1.9	2.2	1.4
2014 or earlier	0.3	0.4	0.2	0.4	0.3	0.3	0.1	0.4	0.1	0.2	0.6	0.7	0.6
Did not graduate but passed G.E.D. test	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.1	0.0	0.1	0.0	0.1	0.0
<b>Are you enrolled (or enrolling) as a:</b>													
Full-time student	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Part-time student	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
<b>How many miles is this college from your permanent home?</b>													
5 or less	5.4	7.2	3.4	9.0	5.1	4.3	7.9	4.3	3.4	3.2	4.9	4.2	5.9
6 to 10	8.1	10.3	5.6	13.7	6.2	4.6	11.5	5.0	5.8	4.7	5.5	4.4	7.4
11 to 50	25.0	28.6	21.0	34.5	21.6	18.0	29.9	20.5	21.4	19.4	16.8	18.6	13.7
51 to 100	15.2	14.7	15.7	13.9	15.7	17.4	14.3	14.8	17.3	8.9	18.1	24.5	7.3
101 to 500	29.0	23.0	35.6	19.0	27.7	27.7	21.9	30.9	38.7	22.6	28.8	32.6	22.6
Over 500	17.4	16.2	18.8	9.9	23.7	28.0	14.4	24.4	13.4	41.2	26.0	15.7	43.1
<b>What was your average grade in high school?</b>													
A or A+	31.0	26.0	36.6	21.4	31.6	30.4	28.6	34.5	35.3	42.1	16.5	14.0	20.7
A-	28.6	25.3	32.2	23.3	27.7	28.9	28.0	26.4	32.3	32.1	14.7	12.8	18.0
B+	19.5	21.8	16.8	23.6	19.7	19.8	22.7	17.9	17.6	13.9	24.2	24.1	24.4
B	15.1	18.9	10.9	22.8	14.2	14.4	14.9	13.6	11.3	8.9	21.9	22.8	20.4
B-	3.9	5.1	2.6	5.7	4.2	4.3	3.8	4.4	2.6	2.2	11.2	12.3	9.2
C+	1.4	2.0	0.6	2.2	1.8	1.4	1.6	2.3	0.6	0.6	8.1	10.0	4.8
C	0.6	0.8	0.3	0.9	0.8	0.8	0.4	1.0	0.3	0.2	3.3	3.8	2.4
D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.1
<b>Prior to this term, have you ever taken courses for credit at this institution?</b>													
Yes	5.1	6.0	4.1	6.5	5.4	4.1	5.0	6.8	4.3	3.4	9.5	8.3	11.6
No	94.9	94.0	95.9	93.5	94.6	95.9	95.0	93.2	95.7	96.6	90.5	91.7	88.4
<b>Since leaving high school, have you ever taken courses, whether for credit or not for credit, at any other institution (university, 4- or 2-year college, technical, vocational, or business school)?</b>													
Yes	12.7	13.2	12.2	13.5	12.9	11.6	11.4	15.1	12.5	10.7	18.3	16.9	20.7
No	87.3	86.8	87.8	86.5	87.1	88.4	88.6	84.9	87.5	89.3	81.7	83.1	79.3
<b>Where do you plan to live during the fall term?</b>													
With my family or other relatives	18.8	25.8	11.0	37.0	12.2	8.8	22.3	10.1	11.6	8.3	7.5	5.6	10.8
Other private home, apartment, or room	2.8	1.6	4.2	2.2	0.8	1.0	0.8	0.7	5.0	0.8	1.9	1.7	2.2
College residence hall	74.7	69.5	80.4	56.2	85.8	89.1	76.2	87.8	78.2	89.5	88.2	90.5	84.1
Fraternity or sorority house	0.7	0.0	1.5	0.1	0.0	0.0	0.0	0.0	1.9	0.1	0.0	0.0	0.0
Other campus student housing	2.8	2.8	2.8	4.2	1.0	0.9	0.6	1.3	3.1	1.3	2.0	1.8	2.4
Other	0.2	0.3	0.2	0.3	0.2	0.2	0.1	0.2	0.2	0.0	0.4	0.3	0.5

## PRE-PUBLICATION VERSION 4-19-2017

## 2016 CIRP Freshman Survey

## Weighted National Norms—Female Respondents

Women	All Bacc Institutions	Baccalaureate Institutions		4-year Colleges					Universities		Black Colleges and Universities		
		4-yr Coll	Universities	Public	Private	Nonsec	Catholic	Oth Relig	Public	Private	All HBCU	Public	Private
<b>To how many colleges other than this one did you apply for admission this year?</b>													
None	9.8	10.6	9.0	10.1	11.2	10.1	7.5	14.3	9.5	6.6	5.6	6.1	4.8
1	7.3	7.3	7.3	7.4	7.1	5.8	5.3	9.5	8.0	4.2	4.7	5.3	3.8
2	9.7	10.0	9.4	10.0	10.0	7.9	8.5	13.0	10.3	5.7	9.1	9.6	8.4
3	13.7	14.7	12.6	16.3	12.7	10.6	11.6	15.4	13.4	9.0	16.0	16.7	14.9
4	12.3	13.1	11.5	14.3	11.6	10.8	12.3	12.1	12.1	9.0	14.4	14.3	14.5
5	10.4	10.7	10.1	10.7	10.6	11.1	11.5	9.6	10.2	9.9	12.0	12.0	12.1
6	7.9	7.9	7.9	7.6	8.2	8.5	10.3	6.8	7.6	8.8	8.8	8.8	8.7
7 to 8	13.4	12.7	14.1	12.9	12.4	14.6	14.2	9.2	13.6	16.2	12.3	12.2	12.4
9 to 10	8.0	6.9	9.2	6.1	7.9	10.1	9.4	4.9	8.1	13.9	7.3	6.5	8.6
11 or more	7.5	6.2	9.0	4.6	8.2	10.4	9.3	5.3	7.1	16.7	9.7	8.5	11.8
<b>Were you accepted by your first choice college?</b>													
Yes	77.1	78.2	75.8	74.9	82.4	79.1	81.3	86.2	77.3	69.4	78.5	79.6	76.5
No	22.9	21.8	24.2	25.1	17.6	20.9	18.7	13.8	22.7	30.6	21.5	20.4	23.5
<b>Is this college your:</b>													
First choice	56.7	56.2	57.2	52.6	60.6	57.3	56.7	66.1	57.7	55.0	40.6	41.0	39.9
Second choice	27.3	27.9	26.6	30.2	25.1	26.7	27.9	21.9	26.6	26.6	33.5	32.3	35.7
Third choice	10.0	10.2	9.7	10.9	9.2	10.1	10.0	7.9	9.4	11.0	15.3	15.2	15.6
Less than third choice	6.1	5.8	6.5	6.3	5.1	5.9	5.4	4.2	6.3	7.3	10.5	11.5	8.9
<b>Citizenship status:</b>													
U.S. citizen	95.5	95.9	95.1	96.3	95.4	93.4	97.1	96.5	95.9	92.0	98.8	98.6	99.1
Permanent resident (green card)	1.9	1.7	2.2	2.1	1.2	1.4	1.3	1.0	2.2	2.0	0.4	0.4	0.4
International student (F-1, J-1, or M-1 visa)	1.8	1.4	2.1	0.3	2.8	4.6	0.9	2.1	1.3	5.6	0.6	0.7	0.3
None of the above	0.8	1.0	0.6	1.3	0.6	0.6	0.7	0.4	0.6	0.4	0.2	0.2	0.1
<b>Please mark the sex of your parent(s) or guardian(s).</b>													
<b>Parent/Guardian 1</b>													
Female	54.4	56.4	52.3	57.5	55.0	57.7	55.1	52.3	52.6	51.1	81.5	81.6	81.2
Male	45.6	43.6	47.7	42.5	45.0	42.3	44.9	47.7	47.4	48.9	18.5	18.4	18.8
<b>Parent/Guardian 2</b>													
Female	49.4	48.2	50.7	48.0	48.5	45.8	48.1	51.4	50.4	51.7	25.9	26.6	24.7
Male	50.6	51.8	49.3	52.0	51.5	54.2	51.9	48.6	49.6	48.3	74.1	73.4	75.3
<b>Please mark which of the following courses you have completed:</b>													
Algebra II	98.4	98.0	98.8	98.5	97.4	97.3	98.2	97.1	99.1	97.8	95.1	94.5	96.3
Pre-calculus/Trigonometry	83.7	79.1	88.4	77.7	80.8	83.7	83.6	76.2	87.7	91.4	69.5	64.9	76.1
Probability & Statistics	34.0	32.2	35.8	30.8	33.8	36.5	30.7	32.9	35.8	35.9	23.3	24.2	22.1
Calculus	34.9	27.2	42.8	23.8	30.9	36.6	29.0	26.2	41.0	49.9	14.2	11.7	17.5
AP Probability & Statistics	22.7	16.8	28.7	16.4	17.2	20.5	13.3	16.2	29.1	27.1	8.3	6.4	10.8
AP Calculus	34.0	24.3	43.8	24.4	24.1	27.8	21.4	22.0	42.5	49.4	12.5	9.3	16.7
AP Computer Science	2.9	1.8	4.0	2.0	1.7	2.0	1.2	1.6	3.7	4.9	1.4	1.2	1.6
<b>How many weeks this summer did you participate in a bridge program at this institution?</b>													
Zero	94.4	92.7	96.3	90.7	95.0	94.6	96.3	94.7	96.2	96.7	92.5	94.8	88.7
One to two	1.9	2.7	1.0	2.5	3.0	3.4	2.0	3.1	0.7	2.2	1.1	0.7	1.7
Three to four	1.3	2.2	0.3	3.0	1.3	1.5	1.0	1.2	0.3	0.6	2.4	1.4	4.2
Five to six	1.6	2.1	1.1	3.3	0.6	0.2	0.5	1.0	1.2	0.4	3.8	3.0	5.1
Seven or more	0.8	0.3	1.3	0.4	0.1	0.2	0.1	0.1	1.5	0.2	0.1	0.1	0.3

PRE-PUBLICATION VERSION 4-19-2017

2016 CIRP Freshman Survey

Weighted National Norms—Female Respondents

Women	All Bacc Institutions	Baccalaureate Institutions		4-year Colleges					Universities		Black Colleges and Universities		
		4-yr Coll	Universities	Public	Private	Nonsec	Catholic	Oth Relig	Public	Private	All HBCU	Public	Private
<b>During high school (grades 9-12) how many years did you study each of the following subjects?</b>													
Mathematics (3 years)	98.6	98.2	99.2	98.1	98.2	98.3	98.5	97.9	99.2	99.0	95.4	94.7	96.6
Foreign Language (2 years)	93.7	93.0	94.5	93.9	91.9	91.9	94.3	90.4	94.0	96.6	84.1	81.8	88.1
Physical Science (2 years)	58.3	56.0	60.8	56.5	55.4	57.8	57.3	51.8	59.8	65.0	40.0	39.3	41.1
Biological Science (2 years)	53.9	49.9	58.3	47.4	53.0	53.1	54.6	51.9	58.4	57.9	40.1	37.3	44.8
History/Am. Gov't (1 year)	98.6	98.4	98.8	98.4	98.3	98.0	99.0	98.2	98.9	98.3	96.6	96.2	97.2
Computer Science (1/2 year)	33.0	34.1	31.9	32.1	36.4	34.5	35.7	38.7	32.7	28.6	35.7	34.9	37.0
Arts and/or Music (1 year)	85.0	85.9	84.0	86.7	84.9	83.8	83.9	86.5	83.4	86.4	77.9	74.8	83.1
<b>How many Advanced Placement/International Baccalaureate courses did you take in high school?</b>													
<b>AP Courses</b>													
Not offered at my high school	6.2	7.1	5.2	5.2	9.4	9.4	6.6	10.9	4.7	7.1	7.9	8.9	6.3
None	16.7	23.2	9.6	23.5	22.8	20.5	26.4	23.2	9.7	9.1	36.4	40.7	29.3
1 to 4	46.7	49.8	43.3	51.5	47.7	47.8	50.1	46.2	44.4	38.7	46.5	43.6	51.6
5 to 9	25.9	17.7	35.1	17.6	17.7	19.6	15.4	17.1	34.6	36.8	7.5	5.2	11.2
10 to 14	4.1	2.0	6.5	2.0	2.1	2.5	1.2	2.2	6.2	7.7	0.9	1.0	0.8
15+	0.4	0.3	0.4	0.3	0.4	0.3	0.2	0.5	0.4	0.6	0.7	0.6	0.9
<b>IB Courses</b>													
Not offered at my high school	62.9	58.5	67.9	54.8	62.6	63.5	61.5	62.3	67.1	71.1	46.1	43.1	50.6
None	28.3	34.3	21.7	38.3	29.8	28.2	32.2	30.1	22.8	17.0	46.1	50.1	40.0
1 to 4	3.5	3.8	3.1	3.9	3.7	3.3	3.5	4.2	3.0	3.4	4.3	3.5	5.6
5 to 9	3.7	2.4	5.1	2.0	2.8	3.8	1.9	2.4	4.7	6.6	1.7	1.2	2.4
10 to 14	0.9	0.6	1.3	0.5	0.6	0.8	0.5	0.5	1.4	1.2	0.7	0.6	0.8
15+	0.7	0.5	0.9	0.5	0.4	0.4	0.4	0.4	1.0	0.7	1.2	1.6	0.5
<b>At any time since you turned 13, were you in foster care or were you a dependent of the court?</b>													
No	98.5	98.4	98.7	98.4	98.4	98.0	99.1	98.4	98.7	98.5	97.6	97.3	98.1
Yes	0.7	0.8	0.6	0.9	0.7	0.8	0.4	0.8	0.7	0.5	1.5	1.7	1.2
I don't know	0.7	0.8	0.7	0.8	0.9	1.2	0.5	0.8	0.6	1.0	0.9	1.0	0.7
<b>Do you consider yourself:</b>													
Pre-Med	24.6	22.0	27.4	21.9	22.2	20.8	26.8	21.0	28.1	24.7	40.3	38.0	44.4
Pre-Law	6.7	5.9	7.6	6.1	5.6	6.1	5.7	5.1	6.8	10.6	11.4	10.6	12.6
<b>Your intended major:</b>													
<b>Arts and Humanities</b>													
Art, fine and applied	1.7	2.1	1.3	2.1	2.0	2.4	1.1	2.1	1.4	1.0	0.8	0.5	1.2
English (language and literature)	1.8	2.0	1.6	1.9	2.1	2.7	1.3	1.8	1.5	2.0	0.6	0.6	0.7
History	0.8	0.8	0.7	0.9	0.8	1.0	0.5	0.7	0.6	0.8	0.2	0.3	0.2
Journalism/Communication	2.7	2.5	2.8	2.4	2.6	2.6	2.3	2.7	2.5	4.3	3.1	2.7	3.7
Classical and Modern Languages and Literature	0.3	0.3	0.3	0.3	0.3	0.4	0.2	0.3	0.4	0.3	0.0	0.1	0.0
Media/Film Studies	1.0	1.1	0.8	1.3	0.9	0.7	0.2	1.5	0.5	1.8	1.6	0.4	3.5
Music	1.1	1.4	0.8	1.2	1.8	1.1	0.6	3.0	0.8	1.1	0.6	0.7	0.5
Philosophy	0.2	0.2	0.2	0.2	0.2	0.3	0.2	0.2	0.2	0.3	0.3	0.2	0.5
Theatre/Drama	1.1	1.2	1.0	1.1	1.3	1.3	0.6	1.7	0.9	1.4	0.7	0.4	1.1
Theology/Religion	0.2	0.3	0.1	0.1	0.5	0.2	0.3	0.8	0.1	0.3	0.1	0.1	0.1
Other Arts and Humanities	1.1	1.1	1.2	1.2	1.0	1.0	0.6	1.2	1.1	1.3	0.8	0.5	1.3

## PRE-PUBLICATION VERSION 4-19-2017

## 2016 CIRP Freshman Survey

## Weighted National Norms—Female Respondents

Women	All Bacc Institutions	Baccalaureate Institutions		4-year Colleges					Universities		Black Colleges and Universities		
		4-yr Coll	Universities	Public	Private	Nonsec	Catholic	Oth Relig	Public	Private	All HBCU	Public	Private
<b>Your intended major (continued):</b>													
<b>Biological &amp; Life Sciences</b>													
Biology (general)	9.5	7.9	11.2	7.2	8.8	7.8	12.9	7.6	11.7	9.3	15.2	9.3	25.3
Animal Biology (zoology)	1.0	1.0	0.9	0.9	1.1	1.6	0.6	0.8	1.1	0.3	0.4	0.5	0.3
Ecology & Evolutionary Biology	0.1	0.1	0.2	0.1	0.1	0.1	0.1	0.1	0.2	0.1	0.0	0.0	0.0
Marine Biology	0.6	1.0	0.3	1.1	0.9	1.1	0.1	1.0	0.3	0.2	0.1	0.1	0.1
Microbiology	0.3	0.2	0.4	0.3	0.1	0.1	0.1	0.1	0.5	0.1	0.1	0.1	0.1
Molecular, Cellular, & Developmental Biology	0.6	0.4	0.9	0.4	0.4	0.4	0.4	0.3	0.9	0.8	0.2	0.2	0.2
Neurobiology/Neuroscience	1.6	0.7	2.5	0.3	1.2	1.6	1.2	0.9	2.3	3.2	0.6	0.6	0.5
Plant Biology (botany)	0.1	0.1	0.2	0.1	0.1	0.2	0.0	0.1	0.2	0.1	0.2	0.3	0.1
Agriculture/Natural Resources	0.6	0.4	0.9	0.5	0.4	0.5	0.0	0.5	1.0	0.2	0.6	0.7	0.3
Biochemistry/Biophysics	1.8	1.2	2.4	1.1	1.4	1.6	1.1	1.3	2.6	1.7	0.6	0.5	1.0
Environmental Science	1.0	1.0	1.0	0.8	1.2	1.9	0.4	0.8	1.0	1.0	0.0	0.1	0.0
Other Biological Science	0.9	0.5	1.3	0.4	0.7	1.1	0.6	0.4	1.5	0.8	0.3	0.1	0.6
<b>Business</b>													
Accounting	1.4	1.5	1.2	1.6	1.5	1.2	2.1	1.5	1.1	1.5	1.6	1.6	1.6
Business Administration (general)	1.8	1.8	1.9	1.6	2.0	1.6	1.8	2.6	1.6	3.1	2.1	1.7	2.6
Entrepreneurship	0.4	0.4	0.4	0.3	0.5	0.7	0.2	0.5	0.4	0.7	0.8	0.7	1.0
Finance	0.9	0.7	1.2	0.7	0.7	0.8	0.9	0.4	1.1	1.8	0.4	0.4	0.5
Hospitality/Tourism	0.4	0.5	0.3	0.9	0.0	0.0	0.1	0.1	0.4	0.0	0.2	0.2	0.1
Human Resources Management	0.2	0.2	0.2	0.4	0.1	0.1	0.2	0.1	0.2	0.2	0.0	0.0	0.1
International Business	0.8	0.7	0.8	0.5	1.0	1.4	1.0	0.6	0.6	1.7	0.3	0.3	0.4
Marketing	2.0	1.9	2.1	1.9	1.9	2.0	3.0	1.2	2.0	2.7	1.5	1.6	1.3
Management	1.3	1.6	1.0	1.8	1.4	1.5	1.5	1.3	0.9	1.4	2.8	3.3	1.9
Computer/Management Information Systems	0.2	0.1	0.2	0.2	0.1	0.1	0.1	0.1	0.2	0.1	0.1	0.2	0.1
Real Estate	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0
Other Business	0.5	0.5	0.5	0.3	0.9	0.5	0.6	1.4	0.4	0.6	0.1	0.1	0.1
<b>Education</b>													
Elementary Education	3.1	3.9	2.1	3.8	4.0	2.5	3.9	5.5	2.3	1.5	1.9	2.2	1.5
Music/Art Education	0.6	0.9	0.4	0.9	0.8	0.5	0.3	1.4	0.4	0.1	0.3	0.4	0.1
Physical Education/Recreation	0.2	0.2	0.1	0.2	0.2	0.1	0.1	0.3	0.2	0.0	0.4	0.4	0.5
Secondary School Teacher in a non-STEM subject	1.2	1.3	1.0	1.2	1.5	1.2	2.0	1.6	1.1	0.6	1.3	2.0	0.1
Special Education	0.8	0.9	0.6	0.9	0.9	0.7	0.9	1.1	0.6	0.6	0.6	0.6	0.5
Other Education	0.4	0.5	0.3	0.5	0.5	0.4	0.4	0.7	0.4	0.1	0.2	0.3	0.1
<b>Engineering</b>													
Aerospace/Aeronautical/Astronautical Engineering	0.3	0.5	0.2	0.8	0.1	0.1	0.0	0.0	0.2	0.1	0.1	0.1	0.1
Biological/Agricultural Engineering	0.1	0.0	0.1	0.1	0.0	0.0	0.0	0.0	0.1	0.1	0.0	0.1	0.0
Biomedical Engineering	0.9	0.4	1.4	0.4	0.4	0.5	0.4	0.3	1.4	1.7	0.8	0.7	1.0
Chemical Engineering	0.6	0.3	0.9	0.3	0.2	0.2	0.2	0.1	0.9	0.6	0.2	0.1	0.4
Civil Engineering	0.5	0.6	0.4	0.8	0.2	0.1	0.4	0.3	0.5	0.3	0.5	0.7	0.1
Computer Engineering	0.4	0.3	0.5	0.4	0.1	0.2	0.2	0.1	0.6	0.3	0.5	0.5	0.5
Electrical/Electronic Communications Engineering	0.5	0.5	0.5	0.6	0.4	0.4	0.3	0.3	0.5	0.3	0.6	0.6	0.6
Engineering Science/Engineering Physics	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.1	0.1	0.2	0.1	0.0	0.3
Environmental/Environmental Health Engineering	0.3	0.2	0.3	0.2	0.2	0.3	0.1	0.1	0.4	0.2	0.2	0.2	0.1
Industrial/Manufacturing Engineering	0.3	0.2	0.4	0.2	0.2	0.3	0.1	0.2	0.5	0.2	0.3	0.4	0.0
Materials Engineering	0.1	0.1	0.2	0.1	0.1	0.0	0.1	0.0	0.2	0.1	0.1	0.1	0.0
Mechanical Engineering	0.9	0.7	1.1	1.0	0.3	0.3	0.6	0.3	1.2	0.6	0.1	0.1	0.2
Other Engineering	0.3	0.3	0.4	0.4	0.2	0.2	0.2	0.2	0.4	0.3	0.2	0.3	0.0

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		4-yr Coll	Universities	Public	Private	Nonsec	Catholic	Oth Relig	Public	Private	All HBCU	Public	Private
<b>Your intended major (continued):</b>													
<b>Health Professions</b>													
Clinical Laboratory Science	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.1	0.1	0.2	0.4	0.5	0.2
Health Care Administration/Studies	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.4	0.4	0.6	0.2	0.4	0.0
Health Technology	0.1	0.1	0.1	0.1	0.1	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.0
Kinesiology	1.6	1.9	1.3	2.5	1.1	0.6	0.4	2.1	1.3	0.9	1.9	2.7	0.5
Nursing	7.5	9.0	5.9	8.2	10.0	5.3	19.4	9.4	6.5	3.3	14.1	20.6	3.0
Pharmacy	0.7	0.6	0.9	0.2	1.0	1.3	1.3	0.7	0.8	1.1	2.1	0.4	5.0
Therapy (occupational, physical, speech)	2.2	2.7	1.7	2.5	2.9	3.0	2.4	3.1	1.9	1.2	3.5	4.6	1.8
Other Health Profession	2.5	2.7	2.3	2.3	3.1	3.4	2.5	3.3	2.4	2.2	1.6	1.3	2.2
<b>Math and Computer Science</b>													
Computer Science	1.4	1.2	1.6	1.4	0.9	1.1	0.6	1.0	1.6	1.7	1.2	1.2	1.4
Mathematics/Statistics	1.5	1.4	1.6	1.6	1.2	1.4	0.9	1.1	1.6	1.4	0.5	0.5	0.5
Other Math and Computer Science	0.2	0.2	0.2	0.2	0.2	0.2	0.1	0.2	0.2	0.3	0.1	0.1	0.1
<b>Physical Science</b>													
Astronomy & Astrophysics	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.1	0.2	0.1	0.0	0.0	0.1
Atmospheric Science	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.0	0.0	0.1	0.0
Chemistry	1.3	1.1	1.5	1.1	1.0	1.0	1.3	0.7	1.5	1.2	1.8	1.3	2.7
Earth & Planetary Sciences	0.2	0.1	0.2	0.1	0.1	0.2	0.1	0.1	0.2	0.1	0.1	0.1	0.1
Marine Sciences	0.2	0.2	0.1	0.3	0.2	0.2	0.0	0.2	0.1	0.1	0.1	0.1	0.0
Physics	0.3	0.2	0.3	0.2	0.2	0.4	0.1	0.2	0.3	0.4	0.1	0.0	0.1
Other Physical Science	0.1	0.1	0.1	0.1	0.2	0.3	0.1	0.2	0.1	0.1	0.1	0.2	0.0
<b>Social Science</b>													
Anthropology	0.4	0.4	0.4	0.4	0.4	0.6	0.0	0.3	0.5	0.4	0.1	0.1	0.0
Economics	0.6	0.3	0.8	0.2	0.4	0.8	0.2	0.2	0.7	1.1	0.1	0.1	0.1
Ethnic/Cultural Studies	0.1	0.2	0.1	0.2	0.1	0.1	0.0	0.2	0.0	0.1	0.0	0.0	0.1
Geography	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0
Political Science (gov't., international relations)	3.0	2.1	4.0	2.0	2.3	3.1	1.9	1.8	3.3	6.6	2.5	1.7	3.7
Psychology	6.5	6.8	6.1	6.8	6.8	7.1	6.1	6.8	6.2	5.7	8.4	7.8	9.4
Public Policy	0.2	0.1	0.3	0.0	0.1	0.3	0.0	0.0	0.2	0.4	0.2	0.2	0.1
Social Work	0.8	1.0	0.6	1.2	0.8	0.7	0.8	1.0	0.6	0.6	3.7	4.2	2.8
Sociology	1.0	1.2	0.7	1.6	0.7	0.7	0.7	0.7	0.6	1.1	0.9	0.9	0.9
Women's/Gender Studies	0.1	0.1	0.1	0.1	0.1	0.2	0.1	0.1	0.1	0.1	0.0	0.0	0.1
Other Social Science	0.4	0.3	0.5	0.3	0.3	0.3	0.2	0.3	0.5	0.6	0.0	0.0	0.1
<b>Other Majors</b>													
Architecture/Urban Planning	0.4	0.4	0.5	0.5	0.4	0.6	0.4	0.2	0.4	0.6	0.0	0.0	0.1
Criminal Justice	2.3	3.0	1.6	3.5	2.3	2.8	1.7	2.2	1.7	1.1	6.0	6.8	4.6
Library Science	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.1
Security & Protective Services	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.1	0.0	0.0	0.0
Military Sciences/Technology/Operations	0.1	0.1	0.0	0.1	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.1	0.0
Other	2.5	2.9	2.1	2.7	3.1	2.9	1.7	4.0	1.9	2.7	1.8	2.0	1.4
Undecided	9.4	9.0	9.8	9.5	8.5	10.3	9.1	6.3	9.9	9.6	2.6	3.0	2.0

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		4-yr Coll	Universities	Public	Private	Nonsec	Catholic	Oth Relig	Public	Private	All HBCU	Public	Private
<b>Your intended career occupation</b>													
Actor or Entertainer	1.4	1.6	1.1	1.6	1.6	1.4	0.7	2.2	1.0	1.6	1.3	0.4	2.7
Artist	1.0	1.4	0.7	1.5	1.3	1.8	0.8	1.0	0.7	0.6	0.3	0.2	0.5
Graphic Designer	1.0	1.2	0.7	1.4	1.0	0.9	0.6	1.3	0.7	0.6	0.6	0.7	0.4
Musician	1.3	1.6	0.9	1.6	1.7	1.2	0.7	2.9	0.8	1.2	0.8	1.1	0.3
Writer/Producer/Director	2.0	2.3	1.7	2.2	2.3	2.4	1.0	3.0	1.4	2.8	1.1	1.1	1.2
Farmer or Forester	0.2	0.3	0.2	0.3	0.2	0.3	0.1	0.3	0.2	0.2	0.5	0.2	0.8
Natural Resource Specialist/Environmentalist	0.8	0.7	0.8	0.6	0.9	1.0	0.3	1.0	1.0	0.4	0.5	0.5	0.5
Accountant	1.2	1.3	1.0	1.2	1.4	1.2	2.1	1.1	0.9	1.3	1.0	1.0	1.0
Administrative Assistant	0.3	0.3	0.2	0.3	0.3	0.3	0.2	0.5	0.2	0.2	0.2	0.2	0.3
Business Manager/Executive	2.1	1.9	2.3	1.8	2.0	2.1	1.8	2.1	2.1	3.4	1.6	1.7	1.5
Business Owner/Entrepreneur	1.6	1.6	1.6	1.7	1.5	1.6	1.5	1.5	1.4	2.5	2.7	2.6	2.8
Retail Sales	0.6	0.7	0.6	0.9	0.5	0.4	0.4	0.5	0.6	0.5	1.7	1.7	1.7
Sales/Marketing	1.8	1.8	1.9	1.6	1.9	2.1	2.5	1.4	1.8	2.2	1.1	1.1	1.1
Human Resources	0.4	0.4	0.4	0.5	0.4	0.3	0.4	0.3	0.4	0.4	0.1	0.1	0.2
Finance (e.g., Actuary, Banking, Loan Officer, Planner)	1.1	0.9	1.3	0.7	1.0	1.1	1.2	0.8	1.1	2.1	0.4	0.4	0.4
Management Consultant	0.3	0.3	0.4	0.3	0.3	0.3	0.3	0.4	0.3	0.6	0.3	0.4	0.1
Real Estate Agent/Realtor/Appraiser/Developer	0.2	0.2	0.2	0.2	0.2	0.3	0.2	0.2	0.2	0.3	0.5	0.4	0.6
Sports Management	0.5	0.5	0.6	0.4	0.6	0.7	0.5	0.6	0.7	0.4	0.8	1.0	0.6
Journalist	1.1	0.9	1.3	0.9	0.9	0.9	0.6	1.0	1.1	1.8	1.3	1.0	1.7
Public/Media Relations	1.7	1.6	1.8	1.4	1.8	2.1	1.5	1.8	1.7	2.4	2.3	2.2	2.5
Advertising	0.5	0.4	0.6	0.3	0.4	0.5	0.3	0.3	0.6	0.6	0.4	0.5	0.3
College Administrator/Staff	0.2	0.2	0.2	0.3	0.2	0.4	0.0	0.2	0.3	0.1	0.1	0.2	0.0
College Faculty	0.3	0.4	0.3	0.3	0.4	0.5	0.2	0.5	0.3	0.4	0.3	0.3	0.1
Early Childcare Provider	0.6	0.8	0.5	0.9	0.7	0.6	0.4	0.9	0.5	0.4	1.0	1.1	1.0
Elementary School Teacher	3.3	4.2	2.3	4.2	4.2	2.6	4.0	5.7	2.4	1.7	1.6	1.5	1.6
Secondary School Teacher in Science, Technology, Engineering, or Math (STEM)	0.8	1.0	0.6	1.1	0.9	1.0	0.8	1.0	0.6	0.5	0.3	0.2	0.4
Secondary School Teacher in a non-STEM subject	1.6	1.8	1.4	1.9	1.7	1.5	1.5	2.0	1.5	1.2	0.4	0.5	0.1
Librarian	0.2	0.3	0.1	0.4	0.1	0.1	0.1	0.1	0.1	0.0	0.1	0.1	0.0
Teacher's Assistant/Paraprofessional	0.1	0.1	0.1	0.2	0.1	0.0	0.1	0.1	0.1	0.1	0.1	0.2	0.1
K-12 Administrator	0.3	0.4	0.2	0.4	0.3	0.4	0.2	0.3	0.1	0.3	0.2	0.3	0.1
Other K-12 Professional	0.8	0.9	0.6	1.0	0.8	0.8	0.7	0.8	0.6	0.7	0.7	1.0	0.4
Military	1.1	1.8	0.3	3.1	0.4	0.5	0.3	0.4	0.3	0.4	1.2	1.6	0.7
Federal/State/Local Government Official	1.4	1.1	1.7	0.9	1.2	1.6	0.9	1.0	1.5	2.4	0.9	0.7	1.1
Protective Services (e.g., Homeland Security, Law Enforcement, Firefighter)	1.3	1.6	1.1	1.9	1.2	1.5	0.9	1.2	1.1	1.1	1.6	1.7	1.5
Postal Worker	0.1	0.2	0.1	0.1	0.2	0.2	0.0	0.4	0.1	0.1	0.1	0.2	0.0
Dietician/Nutritionist	1.3	1.6	1.0	2.0	1.2	1.0	1.4	1.3	1.1	0.5	0.9	1.0	0.7
Home Health Worker	0.2	0.2	0.1	0.2	0.2	0.1	0.2	0.3	0.1	0.1	0.1	0.1	0.1
Medical/Dental Assistant (e.g., Hygienist, Lab Tech, Nursing Asst.)	1.1	1.1	1.0	1.1	1.2	1.1	1.5	1.1	1.0	0.7	2.1	2.3	1.7
Registered Nurse	5.7	6.9	4.4	6.3	7.6	4.1	14.7	7.2	4.8	2.9	8.0	11.1	3.1
Therapist (e.g., Physical, Occupational, Speech)	5.3	6.2	4.3	6.6	5.7	5.6	4.4	6.6	4.5	3.3	7.3	9.1	4.5
Computer Programmer/Developer	0.9	0.7	1.1	0.9	0.5	0.6	0.4	0.5	1.1	1.0	0.8	0.8	1.0
Computer/Systems Analyst	0.3	0.3	0.3	0.4	0.1	0.1	0.1	0.1	0.3	0.3	0.2	0.2	0.2
Web Designer	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Lawyer/Judge	3.8	2.9	4.9	2.6	3.2	3.7	3.2	2.6	4.5	6.5	5.9	4.7	7.8
Paralegal	0.2	0.2	0.2	0.2	0.2	0.2	0.1	0.1	0.2	0.2	0.4	0.5	0.2
Clinical Psychologist	2.6	2.7	2.5	2.7	2.7	2.7	3.0	2.6	2.5	2.2	3.6	3.2	4.2
Dentist/Orthodontist	1.2	1.0	1.5	0.9	1.1	0.9	2.0	0.9	1.5	1.1	1.8	1.4	2.3
Medical Doctor/Surgeon	12.0	8.4	15.8	7.4	9.7	9.3	12.8	8.3	15.9	15.4	15.3	9.8	24.0

PRE-PUBLICATION VERSION 4-19-2017

2016 CIRP Freshman Survey

Weighted National Norms—Female Respondents

Women	All Bacc Institutions	Baccalaureate Institutions		4-year Colleges					Universities		Black Colleges and Universities		
		4-yr Coll	Universities	Public	Private	Nonsec	Catholic	Oth Relig	Public	Private	All HBCU	Public	Private
<b>Your intended career occupation (continued)</b>													
Optometrist	0.3	0.3	0.4	0.3	0.3	0.3	0.4	0.3	0.4	0.4	0.3	0.2	0.4
Pharmacist	1.3	1.1	1.6	0.9	1.4	1.4	1.9	1.0	1.6	1.5	3.2	1.1	6.6
Veterinarian	2.0	2.0	2.0	1.9	2.2	3.0	1.0	2.1	2.3	0.8	0.7	0.8	0.6
Engineer	3.0	2.0	4.0	2.7	1.2	1.2	1.6	1.1	4.1	3.4	1.0	0.9	1.2
Research Scientist (e.g., Biologist, Chemist, Physicist)	3.5	2.9	4.1	2.6	3.1	4.0	2.0	2.8	4.4	3.1	0.9	0.7	1.2
Urban Planner/Architect	0.4	0.4	0.5	0.5	0.3	0.4	0.4	0.2	0.5	0.6	0.3	0.3	0.2
Custodian/Janitor/Housekeeper	0.1	0.1	0.0	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.1	0.1	0.0
Food Service (e.g., Chef/Cook, Server)	0.1	0.2	0.1	0.3	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Hair Stylist/Aesthetician/Manicurist	0.1	0.1	0.0	0.1	0.1	0.0	0.1	0.1	0.1	0.0	0.1	0.2	0.1
Interior Designer	0.5	0.6	0.3	0.8	0.4	0.4	0.4	0.5	0.4	0.3	0.6	0.9	0.2
Skilled Trades (e.g., Plumber, Electrician, Construction)	2.4	3.0	1.8	3.1	2.8	1.7	5.1	2.6	2.0	0.7	6.7	10.3	1.0
Social/Non-Profit Services	0.7	0.8	0.7	0.6	0.9	1.0	0.5	1.1	0.6	1.0	0.7	0.8	0.6
Clergy	0.7	0.9	0.5	0.9	0.9	0.7	0.6	1.3	0.5	0.3	1.4	2.0	0.5
Homemaker/Stay at Home Parent	0.5	0.6	0.4	0.6	0.6	0.7	0.3	0.6	0.4	0.4	0.3	0.4	0.2
Other	5.2	5.9	4.5	5.7	6.2	6.1	4.6	7.1	4.6	4.4	5.5	5.2	6.0
Undecided	11.2	10.2	12.2	9.5	11.1	14.2	9.5	8.8	11.9	13.2	3.4	3.8	2.8
<b>Parent/Guardian 1 occupation</b>													
Actor or Entertainer	0.2	0.2	0.1	0.2	0.2	0.2	0.1	0.2	0.1	0.2	0.2	0.1	0.4
Artist	0.4	0.4	0.4	0.4	0.4	0.5	0.2	0.4	0.4	0.4	0.1	0.1	0.2
Graphic Designer	0.5	0.5	0.6	0.5	0.5	0.5	0.4	0.6	0.6	0.5	0.2	0.2	0.3
Musician	0.2	0.2	0.3	0.2	0.2	0.3	0.2	0.3	0.3	0.2	0.1	0.1	0.1
Writer/Producer/Director	0.2	0.2	0.2	0.1	0.3	0.4	0.1	0.2	0.1	0.4	0.1	0.1	0.1
Farmer or Forester	0.4	0.5	0.3	0.3	0.6	0.5	0.4	0.8	0.4	0.2	0.1	0.1	0.1
Natural Resource Specialist/Environmentalist	0.2	0.1	0.3	0.1	0.2	0.1	0.2	0.2	0.3	0.1	0.2	0.3	0.1
Accountant	3.1	3.0	3.2	2.9	3.1	3.1	3.7	2.8	3.2	3.2	2.9	3.3	2.3
Administrative Assistant	1.8	1.9	1.6	1.8	2.0	2.0	2.4	1.8	1.7	1.4	2.4	2.2	2.8
Business Manager/Executive	5.3	4.7	5.9	3.9	5.5	5.6	5.3	5.4	5.6	7.2	3.2	3.4	3.0
Business Owner/Entrepreneur	4.5	4.0	5.1	3.5	4.5	4.9	4.1	4.3	4.6	6.9	2.0	1.9	2.2
Retail Sales	1.0	1.1	0.9	1.1	1.1	1.0	1.2	1.1	1.0	0.8	1.1	0.7	1.7
Sales/Marketing	3.7	3.2	4.1	2.8	3.6	3.6	4.0	3.4	4.2	4.0	1.4	0.9	2.3
Human Resources	1.3	1.3	1.3	1.3	1.3	1.3	1.4	1.2	1.3	1.3	2.2	2.1	2.5
Finance (e.g., Actuary, Banking, Loan Officer, Planner)	2.9	2.5	3.2	2.1	2.9	3.3	3.0	2.6	3.2	3.6	1.6	1.5	1.6
Management Consultant	0.9	0.8	0.9	0.7	1.0	1.1	0.8	0.9	0.8	1.4	0.5	0.3	0.9
Real Estate Agent/Realtor/Appraiser/Developer	1.4	1.1	1.7	1.1	1.2	1.0	1.1	1.4	1.8	1.6	0.6	0.6	0.6
Sports Management	0.0	0.0	0.0	0.0	0.1	0.1	0.0	0.1	0.0	0.1	0.1	0.0	0.1
Journalist	0.2	0.2	0.2	0.1	0.2	0.3	0.2	0.1	0.2	0.2	0.1	0.1	0.1
Public/Media Relations	0.5	0.4	0.5	0.4	0.5	0.7	0.4	0.4	0.5	0.5	0.5	0.3	0.8
Advertising	0.2	0.2	0.1	0.1	0.2	0.2	0.2	0.2	0.1	0.2	0.2	0.3	0.1
College Administrator/Staff	0.6	0.6	0.5	0.5	0.8	0.9	0.6	0.8	0.5	0.8	0.5	0.5	0.5
College Faculty	0.8	0.8	0.9	0.6	1.0	1.3	0.5	1.1	0.8	1.4	0.4	0.3	0.4
Early Childcare Provider	1.1	1.2	0.9	1.3	1.2	1.2	1.2	1.1	0.8	1.0	2.3	2.4	2.1
Elementary School Teacher	2.6	2.6	2.5	2.6	2.7	2.4	3.0	2.9	2.6	2.3	2.9	3.0	2.8
Secondary School Teacher in Science, Technology, Engineering, or Math (STEM)	1.0	1.2	0.9	1.2	1.1	1.0	0.8	1.5	0.9	0.9	0.7	0.7	0.7
Secondary School Teacher in a non-STEM subject	1.1	1.1	1.1	1.0	1.2	1.3	1.1	1.1	1.1	1.0	0.6	0.6	0.7
Librarian	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.2	0.2	0.2	0.3	0.0
Teacher's Assistant/Paraprofessional	1.0	1.2	0.8	1.3	1.0	1.1	1.0	1.0	0.8	0.7	1.4	1.6	1.1
K-12 Administrator	0.8	0.8	0.8	0.8	0.9	0.9	0.8	1.0	0.8	0.8	1.3	1.1	1.7
Other K-12 Professional	1.1	1.1	1.0	1.1	1.1	1.2	0.8	1.2	1.0	1.0	1.4	1.7	1.0
Military	1.2	1.4	1.1	1.7	1.0	0.9	0.9	1.2	1.1	0.8	2.1	1.6	2.8
Federal/State/Local Government Official	1.3	1.3	1.3	1.3	1.2	1.2	1.0	1.3	1.3	1.0	1.9	1.8	2.0

## PRE-PUBLICATION VERSION 4-19-2017

## 2016 CIRP Freshman Survey

## Weighted National Norms—Female Respondents

Women	All Bacc Institutions	Baccalaureate Institutions		4-year Colleges					Universities		Black Colleges and Universities		
		4-yr Coll	Universities	Public	Private	Nonsec	Catholic	Oth Relig	Public	Private	All HBCU	Public	Private
<b>Parent/Guardian 1 occupation (continued)</b>													
Protective Services (e.g., Homeland Security, Law Enforcement, Firefighter)	2.0	2.1	1.8	2.3	2.0	1.8	2.5	1.8	1.9	1.3	2.1	2.0	2.2
Postal Worker	0.5	0.6	0.5	0.7	0.5	0.4	0.6	0.5	0.5	0.3	0.9	0.7	1.2
Dietician/Nutritionist	0.4	0.5	0.3	0.5	0.4	0.4	0.5	0.3	0.3	0.3	0.5	0.5	0.5
Home Health Worker	0.7	0.8	0.6	0.8	0.8	0.8	1.0	0.8	0.7	0.5	2.6	2.7	2.5
Medical/Dental Assistant (e.g., Hygienist, Lab Tech, Nursing Asst.)	1.7	1.9	1.5	2.0	1.7	1.5	2.4	1.6	1.6	1.1	4.6	4.2	5.2
Registered Nurse	3.4	3.5	3.3	3.4	3.5	3.1	4.0	3.6	3.5	2.6	5.8	5.8	5.7
Therapist (e.g., Physical, Occupational, Speech)	1.2	1.3	1.2	1.2	1.5	1.6	1.1	1.5	1.2	1.1	1.2	1.3	1.1
Computer Programmer/Developer	1.5	1.3	1.8	1.2	1.4	1.4	1.3	1.3	1.8	1.9	0.5	0.5	0.4
Computer/Systems Analyst	1.7	1.5	1.9	1.5	1.5	1.5	1.3	1.5	1.9	1.8	1.1	1.1	1.0
Web Designer	0.1	0.2	0.1	0.2	0.2	0.1	0.1	0.2	0.1	0.1	0.3	0.4	0.2
Lawyer/Judge	1.8	1.2	2.4	0.8	1.8	2.2	1.8	1.4	2.1	3.9	0.6	0.3	1.0
Paralegal	0.6	0.6	0.5	0.7	0.5	0.6	0.7	0.4	0.6	0.4	0.8	0.8	0.7
Clinical Psychologist	0.4	0.4	0.4	0.4	0.4	0.4	0.2	0.4	0.4	0.4	0.3	0.2	0.4
Dentist/Orthodontist	0.4	0.4	0.4	0.4	0.4	0.5	0.4	0.5	0.4	0.7	0.4	0.3	0.5
Medical Doctor/Surgeon	2.1	1.5	2.8	1.0	2.0	2.0	2.0	1.9	2.4	4.1	1.5	1.2	2.0
Optometrist	0.1	0.1	0.2	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.1	0.2	0.1
Pharmacist	0.5	0.4	0.6	0.4	0.4	0.4	0.4	0.5	0.6	0.6	0.6	0.4	0.9
Veterinarian	0.2	0.2	0.2	0.1	0.2	0.3	0.1	0.2	0.2	0.1	0.2	0.2	0.0
Engineer	4.4	3.4	5.4	3.3	3.6	3.2	4.0	3.9	5.5	4.9	1.2	1.1	1.4
Research Scientist (e.g., Biologist, Chemist, Physicist)	0.9	0.7	1.2	0.7	0.7	0.8	0.5	0.6	1.3	1.0	0.3	0.3	0.1
Urban Planner/Architect	0.4	0.4	0.4	0.3	0.4	0.4	0.4	0.3	0.4	0.4	0.2	0.3	0.2
Custodian/Janitor/Housekeeper	0.8	0.9	0.7	1.0	0.8	1.0	0.9	0.6	0.7	0.5	1.1	1.3	0.7
Food Service (e.g., Chef/Cook, Server)	1.7	1.6	1.7	1.7	1.4	1.5	1.6	1.3	1.8	1.3	1.7	1.7	1.6
Hair Stylist/Aesthetician/Manicurist	0.8	0.8	0.8	0.9	0.7	0.7	0.7	0.6	0.9	0.5	1.8	1.8	1.8
Interior Designer	0.2	0.2	0.3	0.2	0.2	0.3	0.1	0.2	0.3	0.3	0.3	0.2	0.3
Skilled Trades (e.g., Plumber, Electrician, Construction)	4.2	4.7	3.6	5.2	4.2	3.9	4.7	4.3	3.9	2.4	3.8	4.8	2.3
Social/Non-Profit Services	0.6	0.6	0.6	0.5	0.7	0.8	0.7	0.7	0.6	0.7	1.1	1.1	1.3
Clergy	0.7	0.9	0.6	0.6	1.1	0.6	0.5	1.9	0.5	0.9	0.8	0.6	1.0
Homemaker/Stay at Home Parent	6.6	7.0	6.2	7.5	6.4	6.2	6.5	6.4	6.0	7.1	4.9	5.1	4.5
Other	16.8	19.3	14.2	21.7	16.7	16.4	16.7	16.9	14.8	11.9	21.0	21.9	19.6
Undecided	0.9	1.1	0.6	1.4	0.8	0.7	0.8	0.9	0.6	0.5	2.2	2.5	1.7
<b>Parent/Guardian 2 occupation</b>													
Actor or Entertainer	0.2	0.2	0.2	0.2	0.2	0.2	0.1	0.2	0.2	0.2	0.3	0.2	0.4
Artist	0.4	0.4	0.5	0.4	0.5	0.7	0.2	0.4	0.4	0.6	0.2	0.2	0.2
Graphic Designer	0.5	0.5	0.5	0.5	0.5	0.5	0.4	0.5	0.4	0.6	0.5	0.6	0.4
Musician	0.3	0.4	0.3	0.3	0.4	0.4	0.4	0.3	0.3	0.3	0.5	0.7	0.3
Writer/Producer/Director	0.3	0.2	0.3	0.1	0.3	0.4	0.2	0.2	0.2	0.4	0.1	0.0	0.3
Farmer or Forester	0.4	0.5	0.3	0.4	0.5	0.4	0.2	0.6	0.3	0.2	0.3	0.4	0.2
Natural Resource Specialist/Environmentalist	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.2	0.1	0.2	0.1	0.3
Accountant	2.3	1.9	2.6	1.6	2.3	2.2	2.7	2.2	2.5	2.7	1.2	1.1	1.2
Administrative Assistant	1.2	1.2	1.3	0.9	1.5	1.0	1.6	1.9	1.3	1.2	1.1	0.8	1.5
Business Manager/Executive	4.3	3.8	4.7	3.1	4.5	4.7	4.4	4.3	4.4	6.1	2.6	2.8	2.3
Business Owner/Entrepreneur	4.3	3.9	4.7	3.5	4.4	4.9	4.1	4.0	4.4	5.9	3.6	3.8	3.4
Retail Sales	1.1	1.0	1.1	1.1	1.0	1.2	0.9	0.8	1.1	1.0	0.7	1.0	0.4
Sales/Marketing	3.5	3.2	3.8	3.1	3.4	3.4	3.9	3.0	3.7	3.9	1.8	1.8	1.7
Human Resources	0.9	0.9	0.9	0.8	1.0	1.0	0.9	1.0	1.0	0.9	0.9	0.9	1.0
Finance (e.g., Actuary, Banking, Loan Officer, Planner)	2.1	1.7	2.5	1.3	2.2	2.3	2.5	1.9	2.3	3.2	1.2	1.1	1.3
Management Consultant	0.8	0.7	1.0	0.6	0.9	1.0	0.9	0.8	1.0	1.0	0.9	0.8	1.0
Real Estate Agent/Realtor/Appraiser/Developer	1.2	1.0	1.4	1.1	1.0	1.1	0.6	1.0	1.4	1.6	0.8	0.8	0.7

PRE-PUBLICATION VERSION 4-19-2017

2016 CIRP Freshman Survey

Weighted National Norms—Female Respondents

Women	All Bacc Institutions	Baccalaureate Institutions		4-year Colleges					Universities		Black Colleges and Universities		
		4-yr Coll	Universities	Public	Private	Nonsec	Catholic	Oth Relig	Public	Private	All HBCU	Public	Private
Parent/Guardian 2 occupation (continued)													
Sports Management	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.1	0.0	0.1	0.1	0.1	0.1
Journalist	0.2	0.2	0.3	0.2	0.3	0.4	0.2	0.2	0.3	0.3	0.0	0.0	0.1
Public/Media Relations	0.4	0.3	0.4	0.2	0.4	0.5	0.6	0.4	0.4	0.5	0.5	0.4	0.6
Advertising	0.2	0.1	0.2	0.1	0.2	0.2	0.1	0.2	0.2	0.3	0.3	0.5	0.0
College Administrator/Staff	0.4	0.4	0.3	0.3	0.5	0.6	0.4	0.6	0.3	0.5	0.4	0.3	0.5
College Faculty	0.6	0.7	0.6	0.4	1.0	1.2	0.6	0.9	0.5	1.0	0.2	0.1	0.3
Early Childcare Provider	0.8	0.8	0.8	0.8	0.8	0.8	0.9	0.8	0.8	0.9	0.8	0.8	0.7
Elementary School Teacher	2.6	2.7	2.5	2.6	2.8	2.2	2.5	3.6	2.6	2.4	0.8	0.8	0.8
Secondary School Teacher in Science, Technology, Engineering, or Math (STEM)	0.9	0.9	0.8	0.9	1.0	1.0	0.7	1.1	0.7	0.9	0.8	0.9	0.6
Secondary School Teacher in a non-STEM subject	1.1	1.1	1.2	1.0	1.2	1.3	1.0	1.3	1.2	1.1	0.6	0.4	0.8
Librarian	0.2	0.2	0.2	0.2	0.2	0.3	0.3	0.2	0.3	0.2	0.1	0.1	0.0
Teacher's Assistant/Paraprofessional	1.0	1.1	0.9	1.0	1.2	1.0	1.2	1.4	0.9	0.7	0.2	0.0	0.4
K-12 Administrator	0.6	0.6	0.5	0.6	0.7	0.6	0.6	0.9	0.5	0.5	0.8	0.9	0.7
Other K-12 Professional	0.9	1.0	0.9	1.1	1.0	0.9	0.9	1.1	0.9	0.7	0.4	0.5	0.4
Military	1.1	1.2	1.0	1.3	1.0	0.8	0.8	1.3	1.1	0.8	2.6	2.1	3.2
Federal/State/Local Government Official	1.0	1.0	1.1	1.0	1.0	1.2	0.9	0.9	1.1	1.0	1.6	1.6	1.5
Protective Services (e.g., Homeland Security, Law Enforcement, Firefighter)	1.8	2.1	1.6	2.3	1.9	1.8	2.1	1.7	1.6	1.4	3.3	3.5	3.1
Postal Worker	0.6	0.7	0.5	0.8	0.5	0.6	0.7	0.5	0.5	0.3	0.8	0.6	1.0
Dietician/Nutritionist	0.3	0.4	0.3	0.4	0.3	0.2	0.3	0.4	0.3	0.3	0.2	0.1	0.4
Home Health Worker	0.4	0.5	0.4	0.5	0.4	0.4	0.5	0.4	0.5	0.3	0.9	0.9	0.8
Medical/Dental Assistant (e.g., Hygienist, Lab Tech, Nursing Asst.)	1.3	1.4	1.3	1.5	1.2	1.0	1.7	1.2	1.4	0.9	1.5	1.1	2.0
Registered Nurse	2.8	2.8	2.9	2.6	2.9	2.2	3.1	3.4	3.0	2.6	1.6	1.5	1.7
Therapist (e.g., Physical, Occupational, Speech)	1.0	1.0	1.1	0.7	1.3	1.2	0.9	1.5	1.1	1.2	0.6	0.7	0.4
Computer Programmer/Developer	1.3	1.2	1.3	1.3	1.2	1.4	0.9	1.3	1.3	1.4	0.6	0.6	0.6
Computer/Systems Analyst	1.5	1.3	1.7	1.3	1.4	1.5	1.5	1.2	1.7	1.7	1.5	1.4	1.7
Web Designer	0.1	0.2	0.1	0.1	0.2	0.2	0.1	0.2	0.1	0.1	0.3	0.2	0.5
Lawyer/Judge	1.5	1.2	1.9	0.8	1.6	2.1	1.4	1.1	1.5	3.2	0.8	0.5	1.3
Paralegal	0.3	0.3	0.4	0.3	0.4	0.4	0.5	0.3	0.4	0.3	0.1	0.0	0.2
Clinical Psychologist	0.3	0.3	0.3	0.3	0.3	0.5	0.2	0.1	0.2	0.3	0.1	0.1	0.1
Dentist/Orthodontist	0.4	0.4	0.4	0.4	0.4	0.3	0.4	0.4	0.4	0.5	0.3	0.1	0.5
Medical Doctor/Surgeon	1.7	1.2	2.2	0.8	1.6	1.6	1.4	1.7	2.0	3.2	0.8	0.7	1.0
Optometrist	0.1	0.1	0.2	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.0	0.0	0.0
Pharmacist	0.5	0.4	0.7	0.4	0.4	0.4	0.5	0.5	0.7	0.7	0.2	0.2	0.3
Veterinarian	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.1	0.3	0.3	0.3
Engineer	3.8	3.2	4.4	3.0	3.4	3.6	3.4	3.2	4.5	4.0	3.7	3.9	3.4
Research Scientist (e.g., Biologist, Chemist, Physicist)	0.8	0.7	0.9	0.6	0.8	1.0	0.6	0.7	0.9	0.9	0.5	0.7	0.3
Urban Planner/Architect	0.5	0.5	0.5	0.5	0.5	0.6	0.6	0.4	0.5	0.5	0.6	0.8	0.2
Custodian/Janitor/Housekeeper	0.8	0.9	0.7	1.0	0.7	0.6	0.8	0.6	0.7	0.5	1.6	1.9	1.3
Food Service (e.g., Chef/Cook, Server)	1.8	1.7	1.9	1.9	1.5	1.8	1.5	1.2	2.0	1.5	2.0	1.8	2.4
Hair Stylist/Aesthetician/Manicurist	0.7	0.6	0.8	0.7	0.6	0.6	0.7	0.5	0.8	0.5	1.0	1.0	1.0
Interior Designer	0.2	0.2	0.2	0.3	0.2	0.2	0.2	0.2	0.2	0.3	0.2	0.0	0.4
Skilled Trades (e.g., Plumber, Electrician, Construction)	6.0	6.6	5.4	6.7	6.4	6.7	7.1	5.7	5.8	3.7	6.5	5.3	8.2
Social/Non-Profit Services	0.5	0.5	0.4	0.4	0.6	0.6	0.4	0.6	0.4	0.6	0.6	0.8	0.4
Clergy	0.5	0.5	0.5	0.4	0.6	0.5	0.3	0.8	0.5	0.6	0.5	0.3	0.6
Homemaker/Stay at Home Parent	11.0	11.1	11.0	12.3	9.8	8.7	9.8	11.0	10.6	12.3	4.8	5.2	4.2
Other	19.4	21.8	16.9	24.2	19.3	19.0	20.0	19.2	17.8	13.2	31.5	33.2	29.1
Undecided	1.5	1.9	1.1	2.1	1.6	1.5	2.2	1.4	1.2	0.9	5.8	5.9	5.6

## PRE-PUBLICATION VERSION 4-19-2017

## 2016 CIRP Freshman Survey

## Weighted National Norms—Female Respondents

Women	All Bacc Institutions	Baccalaureate Institutions		4-year Colleges					Universities		Black Colleges and Universities		
		4-yr Coll	Universities	Public	Private	Nonsec	Catholic	Oth Relig	Public	Private	All HBCU	Public	Private
<b>Current employment status:</b>													
<b>Parent/Guardian 1</b>													
Employed	84.9	84.2	85.6	83.5	85.2	84.8	85.1	85.6	86.1	83.7	83.5	83.5	83.3
Seasonally employed	2.3	2.3	2.3	2.1	2.5	2.6	2.6	2.4	2.2	2.7	1.7	1.5	2.2
Unemployed	9.6	10.2	9.0	11.1	9.0	8.9	9.5	8.8	8.8	9.7	11.6	12.0	10.9
Retired	3.2	3.3	3.2	3.3	3.3	3.6	2.9	3.2	3.0	4.0	3.2	2.9	3.7
<b>Parent/Guardian 2</b>													
Employed	76.0	75.6	76.4	74.2	77.3	77.8	76.6	77.1	76.9	74.6	73.9	75.4	71.7
Seasonally employed	3.7	3.8	3.6	3.6	3.9	3.8	4.0	4.0	3.5	3.9	4.3	3.2	6.0
Unemployed	15.9	16.4	15.4	18.1	14.4	13.7	15.0	14.8	15.4	15.7	17.0	16.9	17.1
Retired	4.4	4.2	4.5	4.1	4.4	4.6	4.4	4.1	4.2	5.7	4.8	4.5	5.2
<b>How much of your first year's educational expenses (room, board, tuition, and fees) do you expect to cover from each of the sources listed below?</b>													
<b>Family resources (parents, relatives, spouse, etc.)</b>													
None	27.5	31.9	22.7	38.8	23.6	23.3	22.4	24.4	24.4	15.6	41.7	41.2	42.6
\$1 to \$2,999	18.9	21.3	16.2	24.1	18.0	16.7	17.6	19.5	17.3	11.9	31.8	34.9	26.6
\$3,000 to \$5,999	11.7	12.1	11.3	12.2	11.9	10.8	11.7	13.1	11.9	8.8	12.7	12.5	13.0
\$6,000 to \$9,999	8.9	8.7	9.1	8.0	9.4	9.0	9.0	10.1	9.5	7.4	6.0	6.1	5.8
\$10,000 to \$14,999	9.4	8.4	10.5	6.5	10.8	10.5	11.9	10.5	10.8	9.1	3.3	2.4	4.8
\$15,000 or more	23.6	17.6	30.2	10.4	26.3	29.7	27.3	22.3	26.2	47.2	4.4	2.9	7.2
<b>My own resources (savings from work, work-study, other income)</b>													
None	41.9	43.1	40.5	45.1	40.7	42.3	38.0	40.6	39.3	45.4	55.0	54.0	56.7
\$1 to \$2,999	40.8	40.0	41.7	40.0	40.1	39.7	41.0	40.0	42.8	37.3	35.1	36.8	32.3
\$3,000 to \$5,999	10.6	10.2	11.0	9.5	11.1	10.3	11.5	11.5	11.3	9.9	6.0	5.6	6.7
\$6,000 to \$9,999	3.3	3.4	3.3	3.0	3.8	3.6	4.2	3.8	3.3	3.0	2.2	2.2	2.3
\$10,000 to \$14,999	1.5	1.5	1.6	1.1	1.9	1.8	2.6	1.7	1.5	2.0	0.7	0.7	0.6
\$15,000 or more	1.8	1.8	1.9	1.3	2.4	2.3	2.8	2.3	1.8	2.3	1.0	0.8	1.3
<b>Aid which need <u>not</u> be repaid (grants, scholarships, military funding, etc.)</b>													
None	27.7	27.3	28.3	33.9	19.2	23.6	17.4	15.7	28.9	25.4	23.4	25.4	20.1
\$1 to \$2,999	14.5	12.1	17.3	15.2	8.2	7.8	8.7	8.4	19.9	6.2	17.2	19.2	14.0
\$3,000 to \$5,999	13.6	13.5	13.7	17.0	9.3	8.0	8.3	11.1	15.7	5.5	19.4	22.0	14.8
\$6,000 to \$9,999	10.2	10.3	10.1	11.7	8.6	6.8	8.4	10.5	11.4	4.7	13.6	14.7	11.6
\$10,000 to \$14,999	11.5	12.6	10.4	11.2	14.4	12.6	14.5	16.0	10.3	10.7	12.4	10.1	16.4
\$15,000 or more	22.3	24.2	20.3	10.9	40.3	41.2	42.6	38.3	13.8	47.5	14.0	8.7	23.1
<b>Aid which <u>must</u> be repaid (loans, etc.)</b>													
None	50.9	48.9	53.0	55.1	41.3	44.7	37.9	39.8	53.7	50.0	33.2	34.3	31.3
\$1 to \$2,999	10.1	11.0	9.0	11.5	10.4	10.4	9.8	10.6	9.5	7.1	15.7	17.8	12.2
\$3,000 to \$5,999	16.8	17.5	16.0	16.3	19.0	17.7	19.8	20.0	16.2	15.4	20.1	22.5	16.1
\$6,000 to \$9,999	8.5	8.7	8.4	7.6	10.1	8.8	10.7	11.1	8.6	7.4	11.9	12.9	10.1
\$10,000 to \$14,999	6.0	6.4	5.6	4.6	8.6	8.0	9.5	8.8	5.3	7.0	8.3	6.7	10.9
\$15,000 or more	7.7	7.4	8.0	4.9	10.5	10.5	12.4	9.6	6.7	13.1	10.9	5.9	19.4

PRE-PUBLICATION VERSION 4-19-2017

2016 CIRP Freshman Survey

Weighted National Norms—Female Respondents

Women	All Bacc Institutions	Baccalaureate Institutions		4-year Colleges					Universities		Black Colleges and Universities		
		4-yr Coll	Universities	Public	Private	Nonsec	Catholic	Oth Relig	Public	Private	All HBCU	Public	Private
<b>Did you receive any of the following forms of financial aid?</b>													
<b>Military grants</b>													
Yes	3.6	5.4	1.6	8.4	1.7	1.6	1.4	2.1	1.6	1.7	2.8	2.4	3.3
No	96.4	94.6	98.4	91.6	98.3	98.4	98.6	97.9	98.4	98.3	97.2	97.6	96.7
<b>Work-study</b>													
Yes	21.7	22.6	20.8	12.3	34.6	39.4	32.2	31.2	19.2	27.0	17.0	19.9	12.3
No	78.3	77.4	79.2	87.7	65.4	60.6	67.8	68.8	80.8	73.0	83.0	80.1	87.7
<b>Pell Grant</b>													
Yes	30.9	34.5	27.0	36.5	32.0	30.6	29.9	34.7	27.6	24.5	67.0	67.9	65.5
No	69.1	65.5	73.0	63.5	68.0	69.4	70.1	65.3	72.4	75.5	33.0	32.1	34.5
<b>Need-based grants or scholarships</b>													
Yes	39.8	40.9	38.5	32.4	50.8	52.8	48.4	50.2	37.3	43.4	43.7	41.8	46.8
No	60.2	59.1	61.5	67.6	49.2	47.2	51.6	49.8	62.7	56.6	56.3	58.2	53.2
<b>Merit-based grants or scholarships</b>													
Yes	55.4	54.0	56.8	33.8	76.9	74.2	80.5	77.6	54.5	66.2	44.7	34.5	61.0
No	44.6	46.0	43.2	66.2	23.1	25.8	19.5	22.4	45.5	33.8	55.3	65.5	39.0
<b>What is your best estimate of your parents'/guardians' total income last year?</b>													
Less than \$15,000	6.7	8.6	4.6	10.5	6.2	6.6	5.7	6.2	4.8	3.8	20.2	21.9	17.2
\$15,000 to \$24,999	7.2	8.5	5.7	10.4	6.1	5.7	6.2	6.5	6.0	4.6	15.1	16.8	12.2
\$25,000 to \$29,999	5.0	5.8	4.1	6.4	5.1	5.4	4.8	5.1	4.3	3.5	10.3	10.5	9.9
\$30,000 to \$59,999	16.2	17.9	14.4	19.6	15.8	15.4	15.5	16.5	15.1	11.6	22.2	21.7	23.0
\$60,000 to \$74,999	10.6	11.2	9.9	10.8	11.8	11.1	10.8	13.1	10.2	8.9	10.2	9.5	11.4
\$75,000 to \$99,999	12.4	12.5	12.4	12.1	13.0	12.7	12.3	13.7	12.9	10.4	8.3	7.6	9.7
\$100,000 to \$124,999	13.2	12.2	14.3	11.3	13.3	12.7	13.6	13.7	14.5	13.4	6.0	5.1	7.6
\$125,000 to \$149,999	6.8	6.1	7.5	5.5	6.9	7.1	6.6	6.8	7.6	7.1	2.5	2.4	2.6
\$150,000 to \$199,999	7.3	6.4	8.3	5.9	7.1	7.2	8.7	6.0	8.2	8.6	2.4	2.0	3.1
\$200,000 to \$249,999	5.6	4.4	6.8	3.6	5.3	5.9	5.9	4.5	6.4	8.5	1.2	1.2	1.3
\$250,000 to \$499,999	5.6	4.0	7.4	2.7	5.7	6.1	6.2	4.9	6.6	10.5	1.0	0.7	1.5
\$500,000 or higher	3.4	2.3	4.6	1.3	3.6	4.2	3.8	2.9	3.5	9.1	0.6	0.6	0.5
<b>Please select how many individuals in your household (including yourself) are dependent on your parent(s)/guardian(s) for financial support:</b>													
I am not dependent on my parent(s)/guardian(s)	2.2	2.6	1.7	2.7	2.3	2.4	2.1	2.4	1.9	1.1	5.7	6.3	4.7
One	16.6	16.9	16.3	16.6	17.2	18.1	14.8	17.5	16.1	16.8	20.6	19.6	22.3
Two	35.4	34.0	36.9	32.2	36.2	38.4	33.8	35.3	36.8	37.1	28.3	28.9	27.2
Three	22.5	22.4	22.6	22.6	22.2	21.4	23.8	22.1	22.6	22.8	21.9	22.0	21.6
Four	12.9	13.1	12.7	13.9	12.1	10.9	13.6	12.5	12.7	12.8	12.4	12.9	11.6
Five	6.4	6.6	6.1	7.2	5.9	5.2	7.0	6.0	6.2	6.0	7.0	6.1	8.5
Six or more	4.1	4.5	3.6	4.8	4.0	3.5	4.9	4.1	3.7	3.4	4.1	4.1	4.2
<b>Do you have any concern about your ability to finance your college education?</b>													
None (I am confident that I will have sufficient funds)	25.4	25.1	25.7	24.5	25.8	27.1	23.9	25.6	24.8	29.8	21.6	23.8	18.0
Some (but I probably will have enough funds)	58.8	58.4	59.1	57.9	59.0	58.5	60.1	58.9	60.1	55.2	54.2	55.2	52.4
Major (not sure I will have enough funds to complete college)	15.8	16.5	15.1	17.6	15.2	14.4	15.9	15.5	15.1	15.1	24.2	21.1	29.6

## PRE-PUBLICATION VERSION 4-19-2017

## 2016 CIRP Freshman Survey

## Weighted National Norms—Female Respondents

Women	All Bacc Institutions	Baccalaureate Institutions		4-year Colleges					Universities		Black Colleges and Universities		
		4-yr Coll	Universities	Public	Private	Nonsec	Catholic	Oth Relig	Public	Private	All HBCU	Public	Private
<b>Your current religious preference</b>													
Agnostic	7.5	6.2	9.0	6.1	6.2	9.2	3.7	4.7	8.7	10.3	1.0	0.4	1.9
Atheist	4.9	4.0	5.9	4.1	3.9	6.3	2.1	2.5	6.0	5.7	0.5	0.3	0.9
Baptist	7.6	9.6	5.3	8.1	11.5	8.1	5.4	18.3	5.2	6.1	46.1	47.8	43.1
Buddhist	1.3	1.1	1.6	1.2	1.0	1.4	0.9	0.6	1.6	1.3	0.6	0.4	0.8
Church of Christ	5.9	7.0	4.7	8.4	5.4	4.6	4.9	6.4	4.8	4.0	17.6	18.7	15.8
Eastern Orthodox	0.8	0.6	1.0	0.7	0.5	0.5	0.9	0.4	0.9	1.3	0.0	0.0	0.1
Episcopalian	1.1	0.8	1.4	0.7	1.0	1.5	0.8	0.7	1.4	1.7	0.3	0.2	0.5
Hindu	0.9	0.4	1.5	0.3	0.4	0.6	0.5	0.3	1.4	1.7	0.0	0.0	0.1
Jewish	2.6	1.5	3.8	1.4	1.5	2.5	0.6	1.0	3.4	5.1	0.0	0.0	0.1
LDS (Mormon)	0.3	0.3	0.3	0.4	0.1	0.1	0.2	0.2	0.4	0.2	0.0	0.0	0.0
Lutheran	2.1	2.3	1.9	1.9	2.8	2.0	2.5	3.8	2.1	1.3	0.2	0.2	0.3
Methodist	2.7	2.9	2.5	2.2	3.6	3.5	1.5	4.9	2.5	2.6	2.2	2.3	2.1
Muslim	1.5	1.2	1.9	1.5	0.8	1.0	1.3	0.5	1.7	2.8	0.8	0.8	0.9
Presbyterian	2.3	1.9	2.7	1.5	2.4	2.3	0.9	3.4	2.6	3.4	0.3	0.4	0.3
Quaker	0.1	0.2	0.1	0.2	0.2	0.3	0.1	0.2	0.1	0.1	0.0	0.0	0.0
Roman Catholic	24.0	25.0	23.0	26.5	23.1	20.1	50.8	11.0	23.2	22.1	3.7	2.0	6.7
Seventh-day Adventist	0.8	1.1	0.4	0.5	1.8	0.5	0.4	3.7	0.5	0.3	0.4	0.3	0.5
United Church of Christ/Congregational	0.6	0.6	0.6	0.4	0.8	0.9	0.6	0.8	0.6	0.6	0.6	0.4	0.8
Other Christian	14.1	15.6	12.4	14.4	17.1	12.3	9.9	25.8	12.2	13.5	15.2	15.7	14.3
Other Religion	2.1	2.4	1.8	2.6	2.2	2.6	1.9	1.9	1.9	1.5	2.1	2.2	2.0
None	16.7	15.4	18.1	17.0	13.5	19.8	10.2	9.0	19.0	14.4	8.1	7.8	8.7
<b>Parent/Guardian 1's current religious preference</b>													
Agnostic	2.7	2.2	3.3	2.1	2.4	3.8	1.2	1.7	3.1	4.0	0.1	0.0	0.3
Atheist	2.5	2.1	3.0	2.0	2.2	3.4	1.2	1.4	2.9	3.3	0.5	0.2	0.8
Baptist	8.6	10.5	6.5	8.9	12.3	9.2	6.0	18.8	6.3	7.2	48.4	49.7	46.2
Buddhist	1.8	1.4	2.2	1.5	1.2	1.8	0.9	0.7	2.3	1.9	0.6	0.5	0.8
Church of Christ	7.1	8.0	6.1	9.6	6.1	5.8	5.5	6.7	6.3	5.0	18.1	19.5	15.9
Eastern Orthodox	0.9	0.8	1.1	0.9	0.6	0.6	1.0	0.4	1.0	1.6	0.0	0.0	0.1
Episcopalian	1.4	1.1	1.8	0.8	1.4	2.1	0.8	1.0	1.7	2.2	0.2	0.2	0.2
Hindu	1.2	0.5	1.9	0.4	0.6	0.9	0.5	0.4	1.8	2.3	0.0	0.0	0.1
Jewish	3.1	1.9	4.4	2.0	1.9	3.2	0.8	1.1	4.0	5.9	0.1	0.0	0.1
LDS (Mormon)	0.4	0.3	0.5	0.4	0.2	0.2	0.2	0.2	0.6	0.2	0.0	0.0	0.0
Lutheran	2.7	2.9	2.6	2.4	3.5	2.7	3.0	4.5	2.7	2.2	0.2	0.2	0.2
Methodist	3.3	3.4	3.1	2.7	4.3	4.3	1.8	5.6	3.1	3.2	2.2	2.0	2.7
Muslim	1.8	1.4	2.1	1.8	1.0	1.1	1.6	0.7	1.9	3.1	1.4	1.4	1.4
Presbyterian	2.9	2.5	3.3	2.0	3.1	3.2	1.4	3.9	3.2	3.9	0.4	0.6	0.3
Quaker	0.2	0.2	0.1	0.2	0.2	0.3	0.1	0.2	0.1	0.2	0.0	0.0	0.0
Roman Catholic	28.9	29.4	28.4	31.8	26.5	24.7	53.1	13.7	28.9	26.7	4.1	2.1	7.4
Seventh-day Adventist	0.8	1.1	0.5	0.5	1.9	0.6	0.5	3.8	0.5	0.3	0.3	0.2	0.3
United Church of Christ/Congregational	0.7	0.7	0.8	0.5	0.9	1.2	0.5	0.9	0.8	0.6	0.5	0.4	0.7
Other Christian	15.5	16.8	14.0	15.8	17.9	14.3	11.1	25.2	14.0	14.3	15.2	15.3	15.0
Other Religion	2.2	2.5	1.8	2.8	2.1	2.6	1.7	1.8	1.9	1.6	2.0	2.1	1.8
None	11.3	10.4	12.3	10.9	9.8	13.9	7.2	7.2	12.9	10.2	5.8	5.9	5.7

PRE-PUBLICATION VERSION 4-19-2017

2016 CIRP Freshman Survey

Weighted National Norms—Female Respondents

Women	All Bacc Institutions	Baccalaureate Institutions		4-year Colleges					Universities		Black Colleges and Universities		
		4-yr Coll	Universities	Public	Private	Nonsec	Catholic	Oth Relig	Public	Private	All HBCU	Public	Private
<b>Parent/Guardian 2's current religious preference</b>													
Agnostic	2.6	2.1	3.0	2.1	2.2	3.6	1.0	1.6	2.9	3.6	0.4	0.3	0.6
Atheist	2.7	2.3	3.2	1.9	2.7	4.2	1.4	1.9	3.1	3.5	0.7	0.8	0.6
Baptist	7.8	9.4	6.1	7.9	11.1	8.0	4.6	17.6	6.0	6.5	43.9	45.2	41.9
Buddhist	1.9	1.4	2.4	1.6	1.2	1.7	0.9	0.8	2.4	2.2	0.5	0.3	0.8
Church of Christ	6.6	7.5	5.7	9.0	5.7	5.7	4.9	6.2	6.1	4.4	16.6	18.0	14.6
Eastern Orthodox	1.0	0.8	1.2	0.8	0.7	0.7	1.1	0.5	1.1	1.5	0.1	0.0	0.2
Episcopalian	1.3	1.0	1.7	0.7	1.4	2.1	0.7	0.9	1.6	2.2	0.2	0.1	0.4
Hindu	1.3	0.5	2.0	0.4	0.6	0.9	0.6	0.4	1.9	2.5	0.0	0.0	0.0
Jewish	3.1	1.9	4.3	2.0	1.8	3.1	0.8	1.0	3.9	5.9	0.0	0.0	0.0
LDS (Mormon)	0.4	0.3	0.6	0.4	0.2	0.1	0.2	0.2	0.7	0.1	0.0	0.0	0.0
Lutheran	2.8	3.0	2.7	2.6	3.4	2.7	3.1	4.3	2.8	2.3	0.1	0.1	0.1
Methodist	3.2	3.3	3.1	2.7	4.0	4.1	1.7	5.1	3.1	3.1	2.5	2.4	2.8
Muslim	2.0	1.7	2.3	2.1	1.1	1.1	1.8	0.7	2.1	3.2	2.7	3.1	2.2
Presbyterian	2.9	2.5	3.3	2.0	3.1	3.0	1.2	4.1	3.2	4.0	0.3	0.4	0.2
Quaker	0.2	0.2	0.2	0.2	0.2	0.2	0.1	0.1	0.2	0.2	0.0	0.0	0.1
Roman Catholic	28.8	29.4	28.2	31.9	26.5	24.5	52.8	13.8	28.5	26.6	4.5	2.1	7.9
Seventh-day Adventist	0.8	1.1	0.5	0.5	1.7	0.5	0.5	3.6	0.5	0.3	0.4	0.4	0.3
United Church of Christ/Congregational	0.7	0.6	0.8	0.4	0.9	1.1	0.6	0.9	0.8	0.6	0.6	0.4	0.9
Other Christian	15.1	16.8	13.4	15.9	17.7	14.1	10.8	25.1	13.3	13.9	14.2	14.3	14.1
Other Religion	2.1	2.4	1.8	2.6	2.1	2.5	1.9	1.8	1.9	1.6	2.3	2.3	2.3
None	12.8	12.1	13.5	12.3	11.8	16.0	9.1	9.3	14.0	11.8	9.9	9.9	10.0
<b>What is the highest academic degree that you intend to obtain?</b>													
<b>Highest academic degree planned</b>													
None	0.4	0.5	0.3	0.6	0.5	0.6	0.3	0.5	0.2	0.3	1.0	1.1	0.7
Vocational certificate	0.1	0.1	0.0	0.1	0.1	0.1	0.1	0.2	0.0	0.0	0.2	0.3	0.0
Associate (A.A. or equivalent)	0.5	0.6	0.3	0.5	0.7	0.5	0.7	0.8	0.4	0.2	0.7	0.7	0.8
Bachelor's degree (B.A., B.S., B.D., etc.)	20.0	23.6	16.1	23.8	23.2	19.2	19.8	29.1	16.4	15.0	15.3	17.6	11.3
Master's degree (M.A., M.S., M.B.A., etc.)	40.1	41.3	38.9	43.2	39.2	40.2	41.5	36.8	38.9	38.7	29.5	32.9	23.8
J.D. (Law)	4.1	3.2	5.2	2.7	3.6	4.3	3.6	3.0	4.6	7.7	4.7	4.4	5.2
M.D., D.O., D.D.S., D.V.M., etc. (Medical)	13.7	10.2	17.4	8.7	11.9	12.3	14.1	10.3	17.8	16.0	13.5	10.0	19.3
Ph.D.	13.6	12.4	14.9	12.2	12.6	14.4	11.1	11.5	14.9	15.1	19.6	18.5	21.3
Professional Doctorate (Ed.D., Psy.D., etc.)	6.9	7.3	6.4	7.2	7.4	7.5	7.9	7.0	6.4	6.3	14.9	13.8	16.7
Other	0.7	0.8	0.5	0.8	0.8	0.8	0.8	0.8	0.4	0.6	0.7	0.6	0.8
<b>Highest academic degree planned at this institution</b>													
None	0.7	0.9	0.6	0.8	1.0	1.2	0.7	1.0	0.6	0.5	1.4	1.1	1.9
Vocational certificate	0.1	0.2	0.1	0.1	0.3	0.3	0.1	0.2	0.1	0.1	0.3	0.4	0.2
Associate (A.A. or equivalent)	2.2	2.6	1.7	2.7	2.6	2.3	2.6	2.8	1.8	1.4	4.2	3.5	5.2
Bachelor's degree (B.A., B.S., B.D., etc.)	69.2	71.5	66.6	69.2	74.2	76.2	65.8	77.0	65.6	70.6	61.0	61.1	60.8
Master's degree (M.A., M.S., M.B.A., etc.)	19.5	19.2	19.9	21.8	16.1	14.2	21.8	14.9	20.5	17.8	19.6	21.8	16.4
J.D. (Law)	0.9	0.5	1.3	0.4	0.6	0.6	0.7	0.5	1.2	1.7	0.8	0.9	0.7
M.D., D.O., D.D.S., D.V.M., etc. (Medical)	3.1	1.6	4.6	1.5	1.7	1.4	3.3	1.0	5.0	3.3	2.5	2.5	2.5
Ph.D.	2.1	1.5	2.9	1.5	1.4	1.5	2.0	1.1	3.0	2.2	4.8	4.0	6.0
Professional Doctorate (Ed.D., Psy.D., etc.)	1.6	1.4	1.7	1.4	1.4	1.3	2.2	1.1	1.7	1.7	4.3	3.8	5.1
Other	0.6	0.7	0.5	0.7	0.7	0.9	0.8	0.5	0.5	0.6	1.0	0.9	1.2

## PRE-PUBLICATION VERSION 4-19-2017

## 2016 CIRP Freshman Survey

## Weighted National Norms—Female Respondents

Women	All Bacc Institutions	Baccalaureate Institutions		4-year Colleges					Universities		Black Colleges and Universities		
		4-yr Coll	Universities	Public	Private	Nonsec	Catholic	Oth Relig	Public	Private	All HBCU	Public	Private
<b>In the past year, how often have you “Frequently” or “Occasionally”:</b>													
Attended a religious service	70.4	72.4	68.1	69.1	76.4	65.0	81.6	85.0	67.0	72.6	88.6	89.0	88.0
Been bored in class*	40.6	39.0	42.3	41.0	36.5	37.5	34.8	36.4	43.1	39.2	46.2	48.0	43.1
Demonstrated for a cause (e.g., boycott, rally, protest)	24.2	22.7	25.8	22.1	23.5	26.3	25.5	19.5	24.8	30.1	33.5	31.1	37.6
Tutored another student	61.7	56.4	67.6	57.1	55.7	55.3	57.8	54.9	67.3	68.6	51.6	50.1	54.1
Studied with other students	90.7	89.3	92.3	88.6	90.0	89.5	91.3	89.8	92.1	93.0	87.2	86.1	89.1
Consumed beer*	3.9	3.0	4.9	2.5	3.6	5.0	4.1	1.9	4.8	5.1	1.1	1.2	1.1
Consumed wine or liquor*	5.4	4.1	6.8	3.4	4.9	6.8	5.4	2.8	6.6	7.4	3.6	3.6	3.7
Felt overwhelmed by all I had to do*	53.0	52.6	53.5	51.5	54.0	54.9	51.3	54.6	53.5	53.4	52.4	53.7	50.1
Felt depressed*	14.7	15.1	14.2	15.3	15.0	16.2	13.7	14.4	14.2	14.3	19.0	19.0	19.0
Performed volunteer work	89.6	87.0	92.5	84.6	90.0	89.0	91.1	90.3	92.3	93.1	81.9	80.7	84.0
Asked a teacher for advice after class	86.2	85.9	86.5	84.1	88.0	88.9	88.0	87.2	85.8	89.4	80.0	80.9	78.4
Voted in a student election	65.6	62.1	69.5	60.7	63.7	63.6	68.7	61.1	68.9	71.8	68.5	64.3	75.7
Socialized with someone of another racial/ethnic group	96.9	96.3	97.5	95.8	96.9	96.6	97.3	97.1	97.6	97.4	91.9	91.4	92.6
Been late to class*	8.6	7.9	9.2	9.1	6.5	7.0	6.6	6.0	9.3	8.9	9.9	10.1	9.6
Discussed religion	78.8	77.2	80.7	73.3	81.8	75.7	81.5	88.1	79.5	85.6	77.6	76.6	79.3
Discussed politics	84.9	81.8	88.3	80.6	83.3	82.9	83.8	83.6	87.7	90.6	78.0	74.7	83.7
Skipped school/class*	3.0	2.7	3.4	3.1	2.1	2.2	2.3	2.0	3.5	2.8	3.8	4.4	2.8
Publicly communicated my opinion about a cause (e.g., blog, email, petition)	53.8	52.0	55.7	51.1	53.2	54.6	52.4	52.1	55.0	58.6	62.4	61.6	63.7
Helped raise money for a cause or campaign	59.9	57.6	62.4	54.5	61.3	60.3	65.1	60.2	62.1	63.9	55.6	56.7	53.8
Fallen asleep in class*	5.6	5.8	5.4	6.7	4.7	4.7	4.7	4.6	5.5	4.9	10.1	12.3	6.4
Failed to complete homework on time*	4.2	4.3	4.1	4.5	4.0	4.8	3.6	3.4	4.2	3.6	6.0	6.9	4.4
Felt anxious*	43.4	42.6	44.3	40.2	45.4	47.6	42.3	44.8	43.9	45.9	36.0	35.1	37.7
*responses for “Frequently” only													
<b>Students rated as “A Major Strength” or “Somewhat Strong”:</b>													
Ability to see the world from someone else’s perspective	78.1	75.0	81.6	74.1	75.9	76.9	76.2	74.8	81.3	82.8	68.3	65.6	72.9
Tolerance of others with different beliefs	81.4	78.8	84.4	78.9	78.7	80.6	79.9	76.0	84.1	85.5	68.8	66.6	72.4
Openness to having my own views challenged	63.0	61.5	64.6	61.8	61.1	63.3	62.5	58.0	64.1	66.7	66.5	66.5	66.6
Ability to discuss and negotiate controversial issues	67.9	65.3	70.8	66.1	64.3	65.9	65.2	62.2	70.6	71.9	69.6	68.2	71.8
Ability to work cooperatively with diverse people	87.8	86.2	89.6	86.4	85.9	86.2	87.1	84.9	89.5	90.1	84.0	82.1	87.2
Critical Thinking Skills	74.5	70.5	79.0	69.9	71.4	71.7	72.8	70.2	78.6	80.5	72.8	70.6	76.6
Ability to manage your time effectively	55.0	53.5	56.7	52.4	54.7	52.7	56.8	55.7	57.0	55.5	54.5	55.5	52.7
<b>What is the highest level of formal education obtained by Parent/Guardian 1?</b>													
Junior high/Middle school or less	5.1	6.4	3.7	8.6	3.7	3.9	4.1	3.3	4.0	2.4	4.0	4.7	2.7
Some high school	4.4	5.4	3.3	6.9	3.7	3.8	4.0	3.4	3.5	2.3	5.1	5.6	4.5
High school graduate	14.6	16.7	12.2	18.5	14.6	14.3	15.1	14.5	13.0	9.0	19.9	21.8	16.5
Postsecondary school other than college	3.3	3.3	3.2	3.4	3.2	3.1	3.3	3.3	3.4	2.3	4.8	4.7	5.0
Some college	15.5	17.3	13.5	19.2	15.1	14.2	14.8	16.3	13.9	11.8	25.5	25.7	25.2
College degree	31.2	29.1	33.5	26.1	32.8	31.6	34.0	33.3	33.6	33.1	24.5	24.0	25.3
Some graduate school	2.2	1.9	2.6	1.6	2.3	2.6	2.3	2.1	2.4	3.1	1.8	1.6	2.1
Graduate degree	23.6	19.7	28.0	15.7	24.6	26.6	22.4	23.7	26.1	36.1	14.4	11.8	18.8

PRE-PUBLICATION VERSION 4-19-2017

2016 CIRP Freshman Survey

Weighted National Norms—Female Respondents

Women	All Bacc Institutions	Baccalaureate Institutions		4-year Colleges					Universities		Black Colleges and Universities		
		4-yr Coll	Universities	Public	Private	Nonsec	Catholic	Oth Relig	Public	Private	All HBCU	Public	Private
<b>What is the highest level of formal education obtained by Parent/Guardian 2?</b>													
Junior high/Middle school or less	5.4	6.8	3.9	9.4	3.8	3.9	4.7	3.2	4.2	2.7	4.4	4.7	3.9
Some high school	5.2	6.1	4.2	7.8	4.2	3.8	4.6	4.4	4.4	3.4	9.3	9.5	8.9
High school graduate	17.7	20.0	15.1	22.2	17.6	17.1	18.1	17.8	16.2	10.8	32.2	34.7	28.4
Postsecondary school other than college	3.6	3.8	3.4	3.6	4.0	3.9	4.5	3.7	3.6	2.7	4.6	4.1	5.5
Some college	15.7	16.9	14.5	18.0	15.6	14.6	15.9	16.3	14.9	12.9	20.0	19.4	21.0
College degree	30.5	28.2	32.9	24.8	32.2	31.4	31.6	33.3	32.4	34.8	18.7	17.7	20.2
Some graduate school	2.2	1.9	2.6	1.5	2.4	2.6	2.2	2.2	2.5	2.9	1.2	1.0	1.7
Graduate degree	19.6	16.3	23.3	12.8	20.3	22.5	18.4	19.1	21.6	29.8	9.6	8.9	10.6
<b>First generation in college</b>													
Yes	20.3	24.0	16.2	29.3	17.6	17.8	18.9	16.6	17.5	11.2	27.3	30.2	22.4
No	79.7	76.0	83.8	70.7	82.4	82.2	81.1	83.4	82.5	88.8	72.7	69.8	77.6
<b>During the past year, did you "Frequently":</b>													
Ask questions in class	51.1	49.4	53.0	47.2	52.1	53.9	54.2	49.0	51.4	59.1	60.0	60.6	58.9
Support your opinions with a logical argument	59.9	54.9	65.5	53.5	56.5	59.5	57.3	53.1	64.2	70.7	57.5	56.1	60.0
Seek solutions to problems and explain them to others	56.1	52.5	60.2	51.9	53.2	54.4	53.6	51.8	59.0	64.9	53.1	51.9	55.1
Evaluate the quality or reliability of information you received	47.5	44.2	51.3	43.4	45.1	46.6	45.6	43.4	50.6	54.4	46.3	43.7	50.8
Take a risk because you feel you have more to gain	33.8	33.4	34.2	33.6	33.0	33.4	34.4	32.0	33.7	35.9	39.2	39.0	39.5
Seek alternative solutions to a problem	45.3	44.4	46.4	44.5	44.2	44.3	44.9	43.7	45.9	48.3	48.4	46.5	51.5
Look up scientific research articles and resources	25.3	23.1	27.8	22.2	24.1	26.0	25.3	21.4	27.4	29.6	21.3	19.8	23.9
Explore topics on your own, even though it is not required for a class	37.0	34.9	39.4	35.1	34.6	36.9	32.4	33.5	38.7	42.2	36.7	34.5	40.5
Accept mistakes as part of the learning process	54.2	54.5	54.0	56.0	52.6	52.6	53.5	52.1	54.3	52.9	64.3	63.7	65.5
Analyze multiple sources of information before coming to a conclusion	45.2	42.4	48.3	41.7	43.3	45.0	43.9	41.3	47.5	51.6	46.3	45.1	48.4
Take on a challenge that scares you	34.8	33.9	35.8	33.3	34.6	35.0	34.1	34.4	35.1	38.3	36.9	37.1	36.7
<b>Students who are "Absolutely" or "Very" confident</b>													
Use technical science skills (use of tools, instruments, and/or techniques)	42.4	39.3	45.9	39.3	39.4	38.9	44.5	37.0	46.4	44.2	42.6	39.7	47.6
Generate a research question	40.4	37.3	44.0	35.7	39.3	39.9	42.8	36.7	43.6	45.7	45.5	43.4	49.3
Determine how to collect appropriate data	46.7	43.4	50.5	42.6	44.4	43.8	48.9	42.6	50.6	50.0	50.8	48.4	54.8
Explain the results of a study	54.2	49.9	59.1	48.7	51.5	52.0	55.0	48.9	58.7	60.6	54.8	51.1	61.2
Use scientific literature to guide research	35.8	31.9	40.3	30.5	33.6	34.5	37.1	30.7	39.9	41.7	34.9	33.2	37.7
Integrate results from multiple studies	47.0	42.2	52.6	40.4	44.2	45.3	47.5	41.2	52.1	54.5	42.7	39.6	48.0
Ask relevant questions	72.4	69.4	75.8	68.0	71.0	70.5	72.7	70.6	75.6	76.9	73.3	71.7	76.1
Identify what is known and not known about a problem	63.5	59.8	67.7	58.9	60.9	61.2	63.9	59.0	67.1	69.8	63.9	62.6	66.2
Understand scientific concepts	47.1	42.4	52.6	41.2	43.9	45.0	47.8	40.6	52.7	51.9	43.2	40.2	48.2
See connections between different areas of science and mathematics	47.0	43.0	51.5	42.2	43.9	44.5	48.2	40.9	51.9	49.8	43.9	41.6	47.9

## PRE-PUBLICATION VERSION 4-19-2017

## 2016 CIRP Freshman Survey

## Weighted National Norms—Female Respondents

Women	All Bacc Institutions	Baccalaureate Institutions		4-year Colleges					Universities		Black Colleges and Universities		
		4-yr Coll	Universities	Public	Private	Nonsec	Catholic	Oth Relig	Public	Private	All HBCU	Public	Private
<b>Race/Ethnicity—mark all that apply (total may add to more than 100%)</b>													
American Indian/Alaska Native	2.1	2.5	1.7	2.9	2.0	1.8	1.4	2.5	1.8	1.4	2.6	2.5	2.8
East Asian (e.g., Chinese, Japanese, Korean, Taiwanese)	6.1	4.5	7.9	4.5	4.6	6.3	3.0	3.7	7.0	11.7	0.1	0.0	0.3
Filipino	2.6	2.8	2.2	3.9	1.5	1.1	1.9	1.8	2.3	2.0	0.2	0.1	0.3
Southeast Asian (e.g., Cambodian, Vietnamese, Hmong)	1.7	1.4	2.0	1.5	1.3	1.5	1.2	1.1	2.0	1.9	0.4	0.0	1.2
South Asian (e.g., Indian, Pakistani, Nepalese, Sri Lankan)	2.3	1.1	3.6	0.9	1.4	1.6	1.7	1.2	3.2	4.9	0.2	0.3	0.2
Other Asian	0.5	0.5	0.5	0.5	0.5	0.6	0.4	0.4	0.4	0.8	0.1	0.0	0.3
Native Hawaiian/Pacific Islander	1.1	1.4	0.8	1.7	1.1	0.9	1.0	1.3	0.7	0.9	1.1	1.4	0.7
African American/Black	13.8	16.5	10.7	18.6	14.0	13.0	15.3	14.3	10.0	13.8	96.8	97.5	95.4
Mexican American/Chicano	10.0	12.8	6.8	18.8	5.5	4.4	6.1	6.2	7.1	5.8	0.8	0.8	0.8
Puerto Rican	2.7	3.1	2.2	3.1	3.1	4.3	3.9	1.5	2.2	2.1	2.3	2.8	1.4
Other Latino	7.4	8.2	6.6	10.6	5.2	5.8	5.9	4.2	6.7	6.1	1.5	1.2	1.9
White/Caucasian	65.9	62.7	69.5	54.5	72.8	72.1	69.1	75.6	70.7	64.5	4.0	4.0	4.1
Other	2.6	2.8	2.3	3.5	2.0	2.0	1.8	2.1	2.2	2.3	1.8	1.4	2.5
<b>Students “Agree Strongly” or “Agree Somewhat”:</b>													
Wealthy people should pay a larger share of taxes than they do now	73.1	73.8	72.3	75.1	72.2	76.4	73.0	67.5	72.4	72.2	81.9	80.2	84.8
Addressing global climate change should be a federal policy	82.4	80.1	85.1	81.4	78.4	84.5	81.4	70.7	84.6	86.9	77.5	74.5	82.8
The federal government should have stricter gun control laws	75.4	73.7	77.4	76.1	70.9	77.1	78.5	60.5	75.4	84.7	87.0	85.3	89.8
Affirmative action in college admissions should be abolished	48.1	48.1	48.0	50.1	45.9	46.0	51.0	43.0	48.3	47.0	55.7	56.8	53.8
The federal government should raise taxes to reduce the deficit	36.7	35.0	38.8	35.4	34.4	38.0	33.5	31.5	38.4	40.1	36.4	36.0	37.2
Sexual activity that occurs without the presence of explicit, affirmative consent (i.e., “yes means yes”) is considered sexual assault	90.2	89.1	91.5	88.4	89.9	91.3	89.4	88.8	91.2	92.7	82.0	81.1	83.6
There is little that a person can do to be better at math—you are either “good” or “bad” at math	28.3	31.2	24.7	32.2	30.1	29.4	30.6	30.7	24.7	24.9	42.7	45.1	38.8
Intelligence is something that can be improved by studying or working harder	91.4	91.4	91.4	91.6	91.2	90.6	92.2	91.2	91.6	90.5	90.6	89.4	92.6
<b>How would you characterize your political views?</b>													
Far left	4.5	4.5	4.4	4.4	4.6	6.6	2.9	3.4	4.2	5.3	6.2	6.3	6.0
Liberal	36.6	33.3	40.2	35.4	30.9	38.5	29.7	24.0	39.2	43.8	35.8	32.8	40.8
Middle-of-the-road	40.7	41.9	39.4	42.5	41.3	39.8	45.7	40.3	40.6	34.7	38.3	39.5	36.4
Conservative	16.9	18.6	15.1	15.8	21.7	14.0	20.1	30.2	15.1	15.2	15.7	16.4	14.3
Far right	1.3	1.7	0.9	1.8	1.6	1.1	1.5	2.0	0.9	1.0	4.0	4.9	2.5

PRE-PUBLICATION VERSION 4-19-2017

2016 CIRP Freshman Survey

Weighted National Norms—Female Respondents

Women	All Bacc Institutions	Baccalaureate Institutions		4-year Colleges					Universities		Black Colleges and Universities		
		4-yr Coll	Universities	Public	Private	Nonsec	Catholic	Oth Relig	Public	Private	All HBCU	Public	Private
<b>The following reasons were "Very Important" in deciding to go to college:</b>													
To be able to get a better job	84.9	84.7	85.1	85.6	83.5	82.7	89.2	81.3	85.1	85.3	90.9	90.7	91.1
To gain a general education and appreciation of ideas	79.7	79.8	79.6	78.8	80.9	81.7	83.8	78.6	78.7	83.0	86.2	86.2	86.2
To make me a more cultured person	57.5	55.9	59.2	53.4	59.0	60.8	58.7	57.3	56.6	69.4	67.4	64.9	71.7
To be able to make more money	70.7	71.2	70.2	75.1	66.6	67.3	73.4	62.2	71.3	65.7	88.5	89.0	87.7
To learn more about things that interest me	87.0	86.6	87.4	85.6	87.8	88.3	87.6	87.4	86.8	89.8	86.9	85.5	89.5
To get training for a specific career	80.3	82.1	78.2	83.9	79.9	73.8	85.9	82.7	79.4	73.9	87.9	86.9	89.6
To prepare myself for graduate or professional school	66.8	65.5	68.3	66.8	64.0	64.4	70.9	59.8	69.2	64.9	85.0	84.4	86.1
To please my family	34.4	37.6	30.7	41.0	33.5	31.9	39.4	31.8	30.7	30.9	55.1	56.3	53.1
<b>During your last year in high school, how much time did you spend during a typical week doing the following activities?</b>													
<b>Studying/homework</b>													
None	1.1	1.3	0.8	1.4	1.1	1.2	1.0	1.1	0.9	0.6	3.2	3.5	2.7
Less than one hour	6.3	7.4	5.0	8.6	5.9	5.5	5.7	6.4	5.5	3.2	11.5	13.0	9.0
1 to 2 hours	16.9	19.8	13.3	22.6	16.6	15.6	16.3	17.8	14.1	10.6	31.8	35.4	25.9
3 to 5 hours	27.1	28.8	25.1	29.8	27.6	26.9	26.7	28.8	25.9	22.4	28.5	28.0	29.2
6 to 10 hours	22.6	21.4	24.1	19.7	23.5	23.7	23.8	23.2	24.2	23.9	14.0	12.1	17.2
11 to 15 hours	12.8	11.0	15.0	9.3	13.0	13.5	13.6	12.1	14.2	17.6	5.7	4.5	7.8
16 to 20 hours	7.3	5.9	9.0	4.8	7.1	7.9	7.5	6.2	8.3	11.6	2.7	1.6	4.4
Over 20 hours	5.9	4.4	7.6	3.8	5.2	5.9	5.3	4.5	6.9	10.1	2.6	1.9	3.7
<b>Socializing with friends</b>													
None	0.6	0.8	0.5	0.8	0.7	0.7	0.6	0.7	0.5	0.5	1.3	1.1	1.6
Less than one hour	2.6	2.9	2.2	3.0	2.8	2.7	2.8	3.0	2.3	2.0	4.2	3.9	4.8
1 to 2 hours	11.6	12.4	10.6	13.6	11.0	11.2	9.9	11.3	11.0	9.3	14.6	14.8	14.4
3 to 5 hours	27.3	27.4	27.3	28.2	26.3	26.0	26.0	26.8	27.7	25.5	27.2	28.5	25.2
6 to 10 hours	26.8	25.9	27.9	24.8	27.2	27.5	27.8	26.6	27.5	29.2	21.5	21.1	22.1
11 to 15 hours	14.2	13.6	14.9	12.8	14.7	14.7	15.0	14.4	14.5	16.1	11.3	11.2	11.5
16 to 20 hours	7.6	7.5	7.8	7.1	8.0	8.2	8.5	7.4	7.7	8.1	6.1	5.7	6.7
Over 20 hours	9.2	9.5	8.8	9.6	9.3	8.9	9.3	9.7	8.7	9.3	13.7	13.7	13.7
<b>Online social networks (Facebook, Twitter, etc.)</b>													
None	2.3	2.3	2.2	2.3	2.3	2.3	1.9	2.5	2.3	2.0	2.1	1.8	2.5
Less than one hour	5.9	6.3	5.5	6.5	6.0	6.1	5.3	6.3	5.6	5.2	7.8	7.5	8.2
1 to 2 hours	17.3	17.9	16.6	17.8	17.9	17.2	17.1	19.1	16.8	16.1	16.7	17.2	15.8
3 to 5 hours	27.6	26.8	28.7	25.5	28.2	28.1	28.3	28.3	28.5	29.5	20.5	20.5	20.5
6 to 10 hours	21.6	20.9	22.4	20.6	21.3	21.9	22.3	20.3	22.3	23.0	18.6	17.8	19.9
11 to 15 hours	11.1	10.8	11.3	11.0	10.7	11.0	10.7	10.4	11.3	11.5	11.1	11.2	10.9
16 to 20 hours	6.2	6.3	6.1	6.6	6.0	6.0	6.2	5.9	6.1	5.9	6.9	6.8	7.0
Over 20 hours	8.0	8.7	7.1	9.8	7.5	7.5	8.2	7.2	7.2	6.8	16.4	17.1	15.2
<b>Partying</b>													
None	44.2	46.1	41.8	44.9	47.6	42.1	40.2	57.1	42.5	39.1	30.8	30.6	31.3
Less than one hour	16.2	15.7	16.9	15.6	15.8	17.0	15.5	14.7	16.8	17.2	16.6	16.7	16.3
1 to 2 hours	17.1	16.9	17.3	17.8	15.9	17.0	18.2	13.5	17.2	17.7	22.2	22.9	21.0
3 to 5 hours	13.9	13.1	15.0	13.3	12.8	14.8	15.9	9.2	14.7	16.1	19.6	19.3	20.2
6 to 10 hours	5.5	5.2	6.0	5.3	5.1	6.1	6.6	3.2	5.7	6.8	6.2	6.0	6.4
11 to 15 hours	1.8	1.7	1.9	1.7	1.6	1.8	2.3	1.1	1.8	2.0	2.0	2.1	1.8
16 to 20 hours	0.7	0.7	0.6	0.7	0.7	0.7	0.7	0.6	0.6	0.7	1.2	1.0	1.6
Over 20 hours	0.6	0.6	0.6	0.7	0.5	0.4	0.7	0.5	0.6	0.5	1.4	1.5	1.4

## PRE-PUBLICATION VERSION 4-19-2017

## 2016 CIRP Freshman Survey

## Weighted National Norms—Female Respondents

Women	All Bacc Institutions	Baccalaureate Institutions		4-year Colleges					Universities		Black Colleges and Universities		
		4-yr Coll	Universities	Public	Private	Nonsec	Catholic	Oth Relig	Public	Private	All HBCU	Public	Private
<b>During your last year in high school, how much time did you spend during a typical week doing the following activities?</b>													
<b>Student clubs/groups</b>													
None	16.6	19.2	13.5	21.4	16.5	14.3	14.7	19.7	14.5	9.8	23.7	24.9	21.8
Less than one hour	10.8	11.6	9.9	12.6	10.4	10.7	9.7	10.4	10.3	8.2	10.1	11.0	8.6
1 to 2 hours	23.7	23.8	23.7	23.4	24.2	24.7	25.8	22.8	23.8	23.2	21.3	20.8	22.2
3 to 5 hours	22.5	20.7	24.8	19.0	22.6	23.6	23.7	21.1	24.0	27.5	19.6	19.4	20.0
6 to 10 hours	13.2	12.4	14.3	11.6	13.3	13.5	14.1	12.7	13.7	16.4	12.6	11.6	14.2
11 to 15 hours	6.3	5.9	6.8	5.3	6.5	6.8	6.4	6.4	6.5	7.9	4.9	4.6	5.3
16 to 20 hours	3.1	2.9	3.3	2.7	3.0	3.1	2.6	3.2	3.3	3.6	3.0	2.7	3.4
Over 20 hours	3.7	3.7	3.8	3.9	3.4	3.3	2.9	3.7	3.9	3.5	4.8	4.9	4.6
<b>Exercise or sports</b>													
None	11.3	12.4	10.0	13.8	10.8	11.1	9.3	11.4	10.2	9.1	20.2	20.5	19.7
Less than one hour	10.2	10.7	9.7	11.6	9.5	9.9	8.2	9.9	9.9	9.0	12.9	12.5	13.5
1 to 2 hours	16.4	16.8	15.8	17.7	15.8	15.3	16.6	16.0	15.9	15.7	19.6	20.1	18.8
3 to 5 hours	18.5	17.5	19.7	17.5	17.5	16.9	17.5	18.2	19.4	20.7	16.0	16.1	15.7
6 to 10 hours	17.5	16.4	18.9	15.4	17.6	17.5	19.0	16.9	18.8	19.6	12.7	12.0	13.9
11 to 15 hours	12.3	11.8	12.9	10.6	13.2	13.3	14.2	12.4	12.8	13.0	6.8	6.6	7.1
16 to 20 hours	6.7	6.8	6.4	6.2	7.6	7.7	7.5	7.5	6.4	6.6	4.2	4.3	4.0
Over 20 hours	7.1	7.5	6.5	7.2	7.9	8.2	7.8	7.8	6.6	6.3	7.5	7.8	7.1
<b>Working (for pay)</b>													
None	41.5	42.1	40.9	46.3	37.1	38.1	32.9	38.5	39.5	45.7	39.2	35.9	44.7
Less than one hour	3.0	2.9	3.1	2.6	3.2	3.4	2.7	3.4	2.9	3.8	2.7	3.3	1.6
1 to 2 hours	4.7	4.5	4.9	4.0	5.1	5.0	4.8	5.5	4.7	5.9	3.3	3.4	3.3
3 to 5 hours	8.5	8.3	8.8	7.4	9.4	9.4	9.8	9.2	8.4	10.1	7.1	7.7	6.1
6 to 10 hours	11.9	11.6	12.2	10.1	13.4	13.2	15.4	12.5	12.4	11.6	11.6	12.2	10.7
11 to 15 hours	10.3	9.9	10.7	8.7	11.3	10.9	12.7	10.9	11.2	9.0	7.2	6.9	7.6
16 to 20 hours	9.4	9.5	9.3	9.4	9.6	9.4	10.5	9.3	9.9	7.2	9.8	10.2	9.1
Over 20 hours	10.6	11.2	9.9	11.6	10.8	10.5	11.3	10.7	10.8	6.8	19.0	20.3	16.9
<b>Household/childcare duties</b>													
None	19.4	19.9	18.6	19.2	20.8	23.2	16.4	20.9	17.5	22.6	27.1	26.2	28.7
Less than one hour	16.6	15.8	17.5	15.2	16.5	17.3	16.1	15.9	17.3	18.4	13.7	14.0	13.2
1 to 2 hours	28.0	26.9	29.3	26.8	27.1	26.6	28.3	27.0	29.5	28.6	21.1	22.1	19.4
3 to 5 hours	19.9	19.8	19.9	19.9	19.7	18.5	21.7	19.8	20.5	17.9	17.1	16.5	18.2
6 to 10 hours	8.4	8.9	7.9	9.1	8.6	7.8	9.5	8.7	8.1	7.1	8.8	8.1	10.0
11 to 15 hours	3.4	3.6	3.1	4.1	3.1	2.7	3.3	3.4	3.3	2.5	3.9	3.9	3.9
16 to 20 hours	1.7	1.9	1.5	2.0	1.8	1.6	2.0	1.7	1.6	1.1	2.3	2.5	2.0
Over 20 hours	2.7	3.1	2.1	3.7	2.5	2.3	2.7	2.5	2.2	1.7	5.9	6.8	4.5

PRE-PUBLICATION VERSION 4-19-2017

2016 CIRP Freshman Survey

Weighted National Norms—Female Respondents

Women	All Bacc Institutions	Baccalaureate Institutions		4-year Colleges					Universities		Black Colleges and Universities		
		4-yr Coll	Universities	Public	Private	Nonsec	Catholic	Oth Relig	Public	Private	All HBCU	Public	Private
<b>The following reasons were "Very Important" in deciding to go to this particular college:</b>													
My parents/relatives wanted me to come here	17.3	17.9	16.5	19.6	16.0	14.4	19.2	15.8	16.8	15.2	19.7	19.8	19.5
My teacher advised me	7.0	7.9	5.9	8.3	7.5	7.6	7.8	7.1	6.0	5.6	11.2	11.8	10.1
This college has a very good academic reputation	67.2	64.5	70.5	61.6	68.1	66.4	74.1	66.3	69.5	74.1	59.2	55.0	66.3
This college has a good reputation for its social and extracurricular activities	52.6	51.0	54.6	49.6	52.7	51.2	52.3	54.3	54.7	54.3	53.4	54.1	52.2
I was offered financial assistance	50.1	54.1	45.3	43.9	66.1	65.6	68.1	65.5	42.5	55.7	56.8	54.6	60.6
The cost of attending this college	50.2	50.1	50.3	55.5	43.7	44.5	48.4	40.2	54.4	35.3	52.8	56.0	47.2
High school counselor advised me	10.1	11.3	8.7	12.0	10.5	11.9	12.1	8.2	8.6	8.9	17.2	19.4	13.6
Private college counselor advised me	4.9	5.8	3.8	4.7	7.2	6.9	7.5	7.2	3.1	6.3	10.2	10.8	9.1
I wanted to live near home	23.0	26.7	18.5	30.6	22.1	18.8	29.2	21.4	19.4	15.4	21.4	23.3	18.0
Not offered aid by first choice	12.5	11.9	13.2	11.9	11.9	12.5	14.0	10.0	13.8	11.0	19.4	18.8	20.6
Could not afford first choice	16.9	16.5	17.3	18.8	13.7	14.7	16.1	11.4	19.0	11.4	23.2	24.0	22.0
This college's graduates gain admission to top graduate/professional schools	35.5	32.8	38.8	30.6	35.5	34.6	43.5	31.8	37.4	43.8	39.2	35.4	45.9
This college's graduates get good jobs	56.4	55.2	58.0	51.3	59.7	56.1	68.7	58.2	55.6	66.6	57.0	53.2	63.4
I was attracted by the religious affiliation/orientation of this college	10.1	13.6	5.8	5.7	22.8	7.9	22.2	37.7	3.1	15.3	16.7	16.7	16.6
I wanted to go to a school about the size of this college	42.2	45.5	38.2	33.2	59.8	58.9	59.2	60.9	35.0	49.6	43.0	41.8	45.1
Rankings in national magazines	17.5	13.1	22.9	11.0	15.5	15.5	19.0	13.6	21.9	26.5	17.2	15.4	20.2
I was admitted through an Early Action or Early Decision program	16.4	13.5	19.8	8.0	19.9	24.3	22.0	14.3	18.0	26.3	13.5	11.8	16.3
A visit to this campus	51.7	52.3	51.0	44.1	61.9	63.3	60.3	61.4	48.3	60.5	47.9	48.8	46.2
This college's graduates make a difference in the world	42.7	43.0	42.5	39.3	47.2	44.5	50.2	48.2	38.9	55.3	51.5	50.1	54.0
<b>Students rated as "Highest 10%" or "Above Average" as compared with the average person their age:</b>													
Academic ability	69.7	63.2	77.2	62.2	64.4	65.0	63.0	64.6	76.7	79.3	64.2	61.8	68.4
Artistic ability	33.7	33.7	33.6	34.3	33.1	33.8	28.0	35.2	32.9	36.3	32.7	31.8	34.2
Compassion	75.0	74.3	75.8	73.4	75.3	74.0	76.3	76.2	75.6	76.8	72.2	71.9	72.8
Creativity	51.6	52.1	51.0	52.9	51.1	51.4	47.4	52.8	50.2	53.8	60.2	61.0	59.0
Drive to achieve	77.3	75.5	79.4	75.9	74.9	73.4	76.3	75.6	79.2	80.6	82.1	80.8	84.4
Emotional health	40.4	40.1	40.7	40.7	39.3	36.5	41.9	40.7	40.8	40.3	47.2	47.2	47.2
Leadership ability	59.7	57.9	61.7	57.6	58.3	56.3	58.6	60.1	61.0	64.6	67.5	66.7	68.9
Mathematical ability	39.5	34.8	45.0	34.9	34.6	34.3	35.6	34.3	44.7	45.8	36.9	35.3	39.8
Physical health	44.6	43.4	46.0	42.4	44.5	44.0	46.2	44.2	46.0	45.7	42.9	41.4	45.6
Public speaking ability	35.3	33.2	37.8	32.8	33.8	34.2	32.5	34.1	36.5	42.7	38.4	37.0	40.7
Risk-taking	38.2	37.7	38.8	39.3	35.9	35.8	35.8	36.2	38.7	39.0	48.3	48.4	48.3
Self-confidence (intellectual)	50.4	47.8	53.5	48.4	46.9	46.3	46.5	47.9	53.1	55.0	65.9	65.9	66.1
Self-confidence (social)	41.1	41.0	41.3	42.8	38.9	37.1	39.1	40.6	41.1	42.0	59.0	59.6	57.9
Spirituality	36.0	38.6	33.1	37.6	39.7	31.5	38.8	48.3	32.4	35.7	56.9	56.0	58.4
Understanding of others	76.3	75.3	77.4	75.8	74.7	74.3	75.8	74.6	77.1	78.4	74.0	73.8	74.4
Writing ability	49.9	46.7	53.7	46.1	47.5	47.3	46.3	48.3	52.5	58.3	50.0	47.9	53.6

## PRE-PUBLICATION VERSION 4-19-2017

## 2016 CIRP Freshman Survey

## Weighted National Norms—Female Respondents

Women	All Bacc Institutions	Baccalaureate Institutions		4-year Colleges					Universities		Black Colleges and Universities		
		4-yr Coll	Universities	Public	Private	Nonsec	Catholic	Oth Relig	Public	Private	All HBCU	Public	Private
<b>Military Status:</b>													
None	97.5	95.9	99.5	93.0	99.3	99.4	99.3	99.2	99.4	99.5	97.9	97.7	98.3
ROTC, cadet, or midshipman at a service academy	2.3	3.8	0.5	6.6	0.5	0.4	0.6	0.6	0.5	0.4	1.7	2.1	1.2
In the Reserves or National Guard	0.1	0.1	0.0	0.1	0.1	0.1	0.1	0.2	0.0	0.0	0.3	0.3	0.3
On Active Duty	0.1	0.2	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1
A discharged veteran NOT serving in Active Duty, Reserves, or National Guard	0.1	0.1	0.0	0.1	0.1	0.1	0.0	0.0	0.1	0.0	0.0	0.0	0.1
<b>How many years do you expect it will take you to graduate from this college?</b>													
1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.3	0.1
2	0.6	0.6	0.7	0.7	0.5	0.5	0.4	0.6	0.8	0.3	0.6	0.5	0.7
3	3.1	2.7	3.6	2.5	2.9	2.0	1.4	4.5	3.9	2.5	4.5	4.5	4.5
4	86.2	86.0	86.5	83.5	88.8	90.4	87.7	87.9	86.4	86.9	83.8	85.7	80.7
5	6.5	7.0	6.0	9.5	4.2	2.9	6.4	4.2	5.5	7.9	3.7	4.0	3.3
6 or more	2.3	2.3	2.2	2.3	2.4	2.8	3.3	1.6	2.4	1.6	5.2	3.8	7.5
Do not plan to graduate from this college	1.2	1.3	1.0	1.5	1.1	1.3	0.8	1.1	1.0	0.8	2.0	1.2	3.2
<b>What is your sexual orientation?</b>													
Heterosexual/Straight	89.8	89.7	89.9	89.4	90.0	85.7	93.3	92.4	89.7	90.3	89.8	89.8	90.0
Gay	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.1	0.3	0.2	0.4
Lesbian	1.2	1.3	1.0	1.5	1.2	1.5	0.8	1.0	1.1	0.9	2.2	2.4	1.9
Bisexual	6.0	5.9	6.1	6.1	5.7	7.8	3.9	4.6	6.1	6.0	6.3	6.3	6.2
Queer	0.8	0.8	0.9	0.6	1.0	1.7	0.5	0.5	0.9	0.9	0.1	0.0	0.3
Other	2.1	2.2	2.1	2.3	2.1	3.1	1.4	1.4	2.1	1.8	1.2	1.3	1.1
<b>Do you identify as transgender?</b>													
Yes	0.4	0.5	0.4	0.4	0.5	0.7	0.2	0.4	0.4	0.3	0.2	0.3	0.1
No	99.6	99.5	99.6	99.6	99.5	99.3	99.8	99.6	99.6	99.7	99.8	99.7	99.9
<b>Students with disabilities or medical conditions</b>													
Learning Disability (dyslexia, etc.)	3.4	4.1	2.6	3.2	5.1	5.7	4.9	4.6	2.4	3.0	3.6	3.9	3.1
Attention deficit hyperactivity disorder (ADHD)	4.9	5.4	4.4	4.2	6.7	7.5	5.4	6.6	4.2	5.3	4.6	4.9	4.1
Autism spectrum disorder	0.5	0.6	0.3	0.6	0.5	0.6	0.5	0.5	0.4	0.3	0.6	0.7	0.4
Physical disability (speech, sight, mobility, hearing, etc.)	5.1	5.4	4.7	5.6	5.3	5.2	4.6	5.7	4.9	4.2	6.5	6.8	6.1
Chronic illness (cancer, diabetes, autoimmune disorders, etc.)	3.2	3.2	3.1	2.6	3.9	4.2	3.8	3.7	3.0	3.5	2.7	2.4	3.0
Psychological disorder (depression, etc.)	14.5	14.2	14.9	11.9	16.8	19.1	14.1	16.0	14.8	15.5	6.7	5.7	8.3
Other	5.6	6.0	5.2	5.3	6.8	7.0	6.6	6.7	5.3	5.1	6.8	6.0	8.2
<b>Will you pursue a science-related research career?</b>													
Definitely yes	16.4	15.2	17.9	15.3	15.1	15.6	17.5	13.2	18.9	14.2	20.3	18.9	22.5
Probably yes	19.6	17.9	21.7	18.2	17.7	18.5	18.3	16.5	22.7	18.0	18.5	18.2	19.1
Uncertain	21.4	21.6	21.0	22.8	20.3	20.8	22.8	18.3	21.7	18.5	19.1	20.9	16.1
Probably no	23.2	24.1	22.1	24.5	23.6	24.2	22.2	23.8	21.4	24.6	21.1	22.6	18.5
Definitely no	19.4	21.2	17.3	19.3	23.4	20.9	19.1	28.2	15.3	24.7	21.1	19.4	23.9
<b>Students who "Strongly Agree" or "Agree Somewhat"</b>													
I have a strong sense of belonging to a community of scientists	25.1	22.9	27.9	22.6	23.3	24.5	26.8	20.1	28.6	25.2	27.9	24.4	33.9
I derive great personal satisfaction from working on a team that is doing important research	47.4	43.9	51.8	44.1	43.6	45.8	47.2	39.4	52.1	50.9	47.9	45.8	51.3
I think of myself as a scientist	18.1	15.2	21.6	14.8	15.7	17.9	16.6	13.0	22.2	19.4	18.0	15.2	22.7
I feel like I belong in the field of science	34.6	30.6	39.5	29.4	32.0	32.9	37.5	28.1	41.1	34.0	32.4	27.8	40.0

PRE-PUBLICATION VERSION 4-19-2017

2016 CIRP Freshman Survey

Weighted National Norms—Female Respondents

Women	All Bacc Institutions	Baccalaureate Institutions		4-year Colleges					Universities		Black Colleges and Universities		
		4-yr Coll	Universities	Public	Private	Nonsec	Catholic	Oth Relig	Public	Private	All HBCU	Public	Private
<b>Objectives considered to be "Essential" or "Very Important":</b>													
Becoming accomplished in one of the performing arts (acting, dancing, etc.)	18.6	20.1	16.6	20.0	20.3	19.5	15.6	23.6	15.6	20.2	29.4	28.8	30.5
Becoming an authority in my field	57.4	56.3	58.8	57.0	55.5	56.0	57.0	54.3	57.6	63.0	73.1	71.0	76.5
Obtaining recognition from my colleagues for contributions to my special field	56.9	55.8	58.2	56.3	55.3	56.7	59.2	51.6	57.6	60.4	67.3	64.3	72.4
Influencing the political structure	24.6	23.8	25.6	24.4	23.1	25.1	24.1	20.5	24.5	29.5	40.4	38.4	43.6
Influencing social values	51.4	50.9	52.0	50.4	51.5	51.9	52.8	50.2	50.2	58.2	62.6	59.9	67.2
Raising a family	70.8	72.1	69.1	70.9	73.5	67.9	79.0	75.9	69.1	69.1	78.0	77.3	79.2
Being very well off financially	82.2	82.2	82.3	85.2	78.6	78.3	85.4	75.1	83.1	79.6	89.5	87.6	92.5
Helping others who are in difficulty	82.0	81.3	82.8	80.1	82.7	80.7	85.8	83.0	82.3	84.6	81.2	79.4	84.2
Making a theoretical contribution to science	24.4	22.3	26.9	22.2	22.5	23.5	26.4	19.3	27.9	23.8	33.3	31.0	37.2
Writing original works (poems, novels, etc.)	18.4	19.1	17.5	18.4	20.0	21.6	16.3	20.5	16.7	20.4	28.3	28.2	28.5
Creating artistic works (painting, sculpture, etc.)	19.2	20.4	17.7	20.6	20.2	21.3	16.4	21.3	17.2	19.4	25.6	25.4	25.9
Becoming successful in a business of my own	37.4	38.9	35.5	40.9	36.6	36.4	38.5	35.8	34.4	39.5	69.9	67.7	73.7
Becoming involved in programs to clean up the environment	35.3	35.0	35.7	36.4	33.3	37.2	33.6	29.3	35.5	36.1	47.0	45.7	49.2
Developing a meaningful philosophy of life	45.6	44.0	47.6	43.1	44.9	46.5	44.5	43.6	45.7	54.2	55.0	53.3	57.8
Participating in a community action program	40.0	38.1	42.5	36.6	39.8	40.4	43.7	37.1	40.4	49.4	57.0	53.5	62.8
Helping to promote racial understanding	50.8	50.1	51.7	51.1	49.0	52.2	49.9	45.2	49.8	57.9	71.6	68.2	77.3
Keeping up to date with political affairs	43.6	40.2	47.9	40.6	39.8	42.1	40.8	37.1	46.1	54.0	52.7	49.6	57.7
Becoming a community leader	43.6	41.6	46.1	40.5	42.9	42.8	44.9	41.8	44.2	52.2	61.0	59.6	63.2
Improving my understanding of other countries and cultures	64.4	61.4	68.2	60.2	62.8	65.0	61.6	61.3	65.8	76.1	64.9	62.2	69.4
Integrating spirituality into my life	45.4	48.8	41.0	45.3	52.8	41.2	52.0	64.8	38.9	48.0	71.2	69.7	73.9
<b>Students estimate "Very Good Chance" that they will:</b>													
Change major field	13.4	12.1	15.0	13.4	10.6	12.0	10.2	9.6	15.2	14.2	8.8	9.0	8.4
Change career choice	13.7	12.0	15.8	11.9	12.1	14.2	10.5	11.0	15.6	16.4	7.6	7.8	7.4
Participate in student government	9.1	8.7	9.5	9.3	8.1	8.2	9.0	7.5	9.1	10.9	17.9	16.7	19.9
Get a job to help pay for college expenses	56.9	56.6	57.3	57.2	55.9	53.9	58.4	56.4	58.9	51.8	56.0	55.9	56.0
Join a social fraternity or sorority	14.6	12.6	17.2	14.7	10.2	9.8	10.0	10.7	16.6	19.2	38.3	36.6	41.3
Transfer to another college before graduating	5.2	5.8	4.5	6.7	4.7	4.5	4.0	5.3	4.7	3.7	10.9	9.9	12.7
Participate in volunteer or community service work	44.9	41.5	49.3	37.1	46.5	43.8	50.2	47.1	46.5	58.2	49.4	43.3	59.6
Seek personal counseling	16.6	16.8	16.5	17.1	16.4	17.8	15.2	15.8	16.0	18.1	21.6	20.4	23.7
Communicate regularly with your professors	51.6	51.2	52.2	47.6	55.3	57.3	56.9	52.4	49.7	60.4	52.3	50.2	55.8
Participate in student clubs/groups	55.7	51.8	60.8	48.9	55.0	57.9	58.4	50.3	58.5	68.5	52.3	49.1	57.7
Participate in a study abroad program	41.1	37.0	46.3	30.8	44.1	48.2	44.4	39.8	42.8	57.7	36.9	32.1	44.8
Work on a professor's research project	23.9	21.4	27.2	20.5	22.3	24.6	23.9	19.1	26.3	30.2	36.5	36.4	36.6
Get tutoring help in specific courses	40.3	40.7	39.7	43.3	37.8	38.3	43.7	33.8	40.0	38.6	54.5	53.3	56.4
Take courses from more than one college simultaneously	7.1	6.8	7.4	7.1	6.5	6.6	7.8	5.6	7.4	7.7	14.7	13.7	16.3
Take a leave of absence from this college temporarily	2.0	2.3	1.6	2.6	2.1	2.0	2.4	2.0	1.5	1.9	6.7	7.1	6.1
Take a course exclusively online	6.0	6.6	5.2	7.5	5.6	4.3	5.2	7.2	5.6	3.8	11.8	12.4	10.9
Vote in a local, state, or national election	62.9	58.8	68.2	57.7	59.9	59.0	61.4	60.1	67.9	69.2	64.5	59.7	72.3

## PRE-PUBLICATION VERSION 4-19-2017

## 2016 CIRP Freshman Survey

## Weighted National Norms—Female Respondents

Women	All Bacc Institutions	Baccalaureate Institutions		4-year Colleges					Universities		Black Colleges and Universities		
		4-yr Coll	Universities	Public	Private	Nonsec	Catholic	Oth Relig	Public	Private	All HBCU	Public	Private
<b>CIRP Construct: Habits of Mind</b>													
High	34.6	38.7	30.0	39.3	37.9	35.4	37.4	40.6	30.9	26.5	36.9	38.3	34.4
Average	44.4	42.2	46.9	42.4	41.9	43.1	41.2	41.2	47.0	46.2	38.3	38.4	38.2
Low	21.0	19.2	23.1	18.3	20.2	21.5	21.4	18.3	22.1	27.2	24.8	23.2	27.4
Mean	48.38	47.63	49.23	47.39	47.93	48.42	48.21	47.27	48.98	50.24	48.48	48.11	49.10
<b>CIRP Construct: Academic Self-Concept</b>													
High	0.3	0.4	0.2	0.4	0.4	0.4	0.4	0.4	0.2	0.2	0.3	0.3	0.3
Average	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.4	0.4	0.5
Low	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.2
Mean	48.97	47.87	50.25	47.88	47.86	47.76	47.92	47.92	50.10	50.83	50.02	49.75	50.49
<b>CIRP Construct: Social Self-Concept</b>													
High	0.4	0.4	0.3	0.4	0.4	0.4	0.4	0.4	0.3	0.3	0.3	0.3	0.3
Average	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
Low	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.4	0.4	0.4
Mean	49.18	48.87	49.53	48.96	48.76	48.38	48.95	49.03	49.36	50.19	52.06	52.05	52.08
<b>CIRP Construct: Pluralistic Orientation</b>													
High	0.3	0.3	0.2	0.3	0.3	0.3	0.3	0.3	0.2	0.2	0.3	0.3	0.3
Average	0.4	0.4	0.5	0.4	0.4	0.4	0.4	0.4	0.5	0.4	0.4	0.4	0.4
Low	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.2	0.3	0.3	0.3	0.3	0.3
Mean	50.12	49.56	50.74	49.79	49.28	49.75	49.65	48.61	50.63	51.19	49.75	49.29	50.55
<b>CIRP Construct: Social Agency</b>													
High	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.1	0.1	0.1	0.1
Average	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.5	0.4	0.4	0.4	0.4	0.3
Low	0.4	0.4	0.4	0.3	0.4	0.4	0.4	0.3	0.4	0.5	0.6	0.5	0.6
Mean	52.41	52.02	52.89	51.91	52.16	52.34	52.80	51.60	52.38	54.64	57.09	56.30	58.42
<b>CIRP Construct: Civic Engagement</b>													
High	0.2	0.2	0.1	0.2	0.2	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.1
Average	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.3
Low	0.4	0.4	0.5	0.4	0.4	0.4	0.5	0.4	0.4	0.5	0.5	0.5	0.6
Mean	53.52	52.84	54.27	52.47	53.30	53.56	53.89	52.72	53.96	55.53	55.20	54.70	56.06
<b>CIRP Construct: College Reputation Orientation</b>													
High	0.3	0.3	0.3	0.4	0.3	0.3	0.2	0.3	0.3	0.2	0.3	0.3	0.3
Average	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.3	0.3	0.3
Low	0.3	0.3	0.4	0.3	0.3	0.3	0.4	0.3	0.3	0.4	0.3	0.3	0.4
Mean	50.23	49.77	50.79	49.05	50.61	50.20	52.40	50.03	50.41	52.17	50.22	49.39	51.64
<b>CIRP Construct: Likelihood of College Involvement</b>													
High	0.2	0.3	0.2	0.3	0.2	0.2	0.2	0.3	0.2	0.1	0.2	0.3	0.2
Average	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.3	0.4	0.4	0.4
Low	0.4	0.3	0.4	0.3	0.4	0.4	0.4	0.3	0.4	0.5	0.4	0.3	0.5
Mean	51.14	50.32	52.19	49.55	51.19	51.63	51.86	50.38	51.62	54.09	51.16	50.21	52.74
<b>CIRP Construct: Science Self-Efficacy</b>													
High	0.3	0.4	0.3	0.4	0.4	0.4	0.3	0.4	0.3	0.3	0.4	0.4	0.3
Average	0.4	0.4	0.5	0.4	0.4	0.4	0.4	0.4	0.5	0.5	0.4	0.4	0.4
Low	0.2	0.2	0.3	0.2	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.2	0.3
Mean	49.17	48.10	50.40	47.76	48.51	48.64	49.67	47.75	50.34	50.63	49.59	48.94	50.72
<b>CIRP Construct: Science Identity</b>													
High	0.3	0.4	0.3	0.4	0.4	0.3	0.3	0.4	0.3	0.4	0.3	0.3	0.3
Average	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.3	0.4	0.4	0.3
Low	0.3	0.2	0.3	0.2	0.3	0.3	0.3	0.2	0.3	0.3	0.3	0.2	0.4
Mean	49.32	48.56	50.26	48.55	48.57	49.10	49.86	47.33	50.59	49.11	49.63	49.16	50.41

## **2016 National Norms**

**First-Time, Full-Time Freshmen  
by Institutional Type and Selectivity  
Public/Private Universities and  
Nonsectarian Four-Year Colleges**



PRE-PUBLICATION VERSION 4-19-2017

2016 CIRP Freshman Survey

Weighted National Norms—Public/Private Universities and Nonsectarian 4-year Colleges by Selectivity

All Respondents	Public Universities			Private Universities			Private/Nonsectarian 4-year Colleges			
	Low	Medium	High	Medium	High	Very High	Low	Medium	High	Very High
<b>First-time Full-time Freshmen</b>	7,489	12,771	16,622	4,401	7,225	8,625	2,338	5,083	4,100	11,152
<b>Is English your primary language?</b>										
Yes	91.7	95.6	91.2	92.6	92.8	89.4	93.5	94.0	95.0	90.1
No	8.3	4.4	8.8	7.4	7.2	10.6	6.5	6.0	5.0	9.9
<b>In what year did you graduate from high school?</b>										
2016	98.5	98.4	99.2	97.5	98.6	98.1	97.5	97.6	97.3	97.0
2015	1.0	1.1	0.7	1.7	1.1	1.6	2.0	1.6	2.0	2.6
2014 or earlier	0.3	0.5	0.1	0.8	0.3	0.2	0.4	0.7	0.6	0.4
Did not graduate but passed G.E.D. test	0.1	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1
<b>Are you enrolled (or enrolling) as a:</b>										
Full-time student	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Part-time student	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
<b>How many miles is this college from your permanent home?</b>										
5 or less	5.0	3.5	2.3	5.8	4.0	1.8	7.3	5.7	3.2	1.3
6 to 10	12.7	4.6	2.6	8.5	5.1	2.3	8.2	5.7	3.2	1.2
11 to 50	55.2	13.6	17.4	32.5	21.6	10.7	27.1	23.2	17.7	6.0
51 to 100	15.8	18.6	16.7	9.7	13.0	4.2	23.1	18.1	22.8	9.3
101 to 500	8.5	47.1	40.0	16.4	29.0	22.4	21.7	18.4	33.8	37.7
Over 500	2.8	12.5	20.9	27.1	27.3	58.6	12.6	29.0	19.4	44.6
<b>What was your average grade in high school?</b>										
A or A+	21.0	24.3	61.7	18.3	35.6	54.2	13.8	22.7	25.6	37.5
A-	25.4	33.0	30.1	23.8	34.6	33.6	18.9	25.1	27.3	35.0
B+	23.0	22.8	5.8	23.4	16.9	9.0	22.9	21.1	23.4	17.2
B	20.5	15.0	2.2	22.6	10.4	2.7	23.8	21.2	18.1	8.8
B-	6.7	3.4	0.2	8.0	1.9	0.3	12.8	5.9	4.2	1.2
C+	2.4	1.0	0.0	2.9	0.4	0.1	5.3	2.4	0.9	0.2
C	1.0	0.4	0.0	0.9	0.3	0.1	2.6	1.5	0.4	0.1
D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0
<b>Prior to this term, have you ever taken courses for credit at this institution?</b>										
Yes	4.9	4.9	4.6	3.8	4.7	3.3	7.8	3.8	4.9	3.8
No	95.1	95.1	95.4	96.2	95.3	96.7	92.2	96.2	95.1	96.2
<b>Since leaving high school, have you ever taken courses, whether for credit or not for credit, at any other institution (university, 4- or 2-year college, technical, vocational, or business school)?</b>										
Yes	7.8	12.1	11.6	12.3	9.3	9.5	11.7	11.2	10.7	9.1
No	92.2	87.9	88.4	87.7	90.7	90.5	88.3	88.8	89.3	90.9
<b>Where do you plan to live during the fall term?</b>										
With my family or other relatives	38.4	7.5	2.0	18.0	11.2	1.0	16.4	13.0	6.0	1.1
Other private home, apartment, or room	3.8	6.7	1.3	2.7	0.9	0.4	1.1	3.2	0.6	0.3
College residence hall	56.4	80.2	91.2	77.7	87.3	96.8	80.6	82.8	89.4	97.5
Fraternity or sorority house	0.1	2.9	0.1	0.1	0.1	0.1	0.0	0.0	3.1	0.2
Other campus student housing	1.1	2.4	5.3	1.2	0.4	1.7	1.4	0.9	0.7	0.7
Other	0.3	0.3	0.2	0.2	0.0	0.1	0.4	0.2	0.2	0.3

## PRE-PUBLICATION VERSION 4-19-2017

## 2016 CIRP Freshman Survey

## Weighted National Norms—Public/Private Universities and Nonsectarian 4-year Colleges by Selectivity

All Respondents	Public Universities			Private Universities			Private/Nonsectarian 4-year Colleges				
	Low	Medium	High	Medium	High	Very High	Low	Medium	High	Very High	
<b>To how many colleges other than this one did you apply for admission this year?</b>											
None	12.4	12.9	3.4	8.9	7.9	5.0	11.0	11.2	9.1	12.6	
1	9.6	9.9	4.0	6.1	4.3	3.0	5.6	8.3	5.2	4.4	
2	13.1	12.0	6.7	9.6	5.5	3.5	8.1	11.1	8.8	4.5	
3	14.9	14.6	9.6	14.1	9.9	4.7	13.5	15.5	12.3	6.1	
4	10.8	11.9	10.4	13.6	10.3	5.4	13.3	13.7	10.8	7.3	
5	8.2	9.9	11.1	11.8	10.7	6.9	12.8	11.9	12.2	8.4	
6	6.2	7.1	9.8	9.0	9.4	8.0	9.4	7.8	9.6	8.9	
7 to 8	13.0	11.3	18.4	13.6	16.9	18.7	11.7	10.7	15.1	17.5	
9 to 10	6.5	6.0	12.8	6.9	12.5	18.7	7.6	5.8	8.9	13.0	
11 or more	5.4	4.5	13.8	6.5	12.6	26.2	7.1	4.1	7.9	17.2	
<b>Were you accepted by your first choice college?</b>											
Yes	76.6	77.6	61.9	76.9	68.0	57.6	80.2	85.9	82.3	67.5	
No	23.4	22.4	38.1	23.1	32.0	42.4	19.8	14.1	17.7	32.5	
<b>Is this college your:</b>											
First choice	53.9	59.9	53.7	53.0	55.8	50.9	45.9	63.2	62.9	58.8	
Second choice	28.9	26.0	26.0	29.0	26.8	25.6	31.5	26.7	23.8	23.6	
Third choice	11.4	8.5	12.0	11.4	10.8	13.6	14.4	7.5	8.6	10.7	
Less than third choice	5.9	5.5	8.3	6.6	6.5	10.0	8.1	2.6	4.7	7.0	
<b>Citizenship status:</b>											
U.S. citizen	96.4	97.1	91.8	94.4	94.5	85.6	94.4	94.4	95.8	89.2	
Permanent resident (green card)	1.9	1.9	2.8	1.6	1.4	2.6	2.6	1.2	0.8	1.6	
International student (F-1, J-1, or M-1 visa)	0.4	0.7	4.9	3.7	3.9	11.4	2.3	4.0	2.6	8.8	
None of the above	1.3	0.3	0.6	0.3	0.3	0.4	0.8	0.4	0.7	0.5	
<b>Please mark the sex of your parent(s) or guardian(s).</b>											
<b>Parent/Guardian 1</b>											
Female	44.2	39.1	33.7	45.1	38.5	33.6	54.3	46.5	43.0	37.5	
Male	55.8	60.9	66.3	54.9	61.5	66.4	45.7	53.5	57.0	62.5	
<b>Parent/Guardian 2</b>											
Female	59.7	64.0	68.3	59.8	63.7	67.9	51.8	57.0	61.2	65.0	
Male	40.3	36.0	31.7	40.2	36.3	32.1	48.2	43.0	38.8	35.0	
<b>Please mark which of the following courses you have completed:</b>											
Algebra II	99.0	99.0	98.7	97.5	97.7	97.8	95.8	97.4	98.0	97.6	
Pre-calculus/Trigonometry	80.8	88.4	97.2	79.5	93.2	97.1	71.1	80.9	85.1	93.8	
Probability & Statistics	30.2	37.3	39.8	35.4	37.1	41.7	33.1	34.8	39.9	42.7	
Calculus	26.3	44.0	65.1	26.6	49.6	69.0	19.4	30.3	34.2	59.1	
AP Probability & Statistics	16.5	29.7	41.5	16.5	27.8	37.3	13.1	16.7	19.5	28.9	
AP Calculus	30.2	41.3	76.2	22.9	44.4	72.6	11.6	19.7	25.4	50.2	
AP Computer Science	3.7	7.4	14.8	2.7	5.6	14.8	2.2	2.0	2.6	6.6	
<b>How many weeks this summer did you participate in a bridge program at this institution?</b>											
Zero	97.7	96.3	95.6	96.6	95.0	97.3	93.5	96.0	92.4	94.1	
One to two	1.0	0.7	1.3	2.4	2.9	2.1	2.7	2.7	4.9	4.2	
Three to four	0.1	0.2	0.5	0.6	1.0	0.2	2.5	1.1	2.2	0.9	
Five to six	0.4	1.5	1.3	0.2	0.8	0.3	0.8	0.2	0.2	0.8	
Seven or more	0.8	1.4	1.4	0.2	0.3	0.1	0.6	0.0	0.2	0.1	

PRE-PUBLICATION VERSION 4-19-2017  
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All Respondents	Public Universities			Private Universities			Private/Nonsectarian 4-year Colleges			
	Low	Medium	High	Medium	High	Very High	Low	Medium	High	Very High
<b>During high school (grades 9-12) how many years did you study each of the following subjects?</b>										
Mathematics (3 years)	98.9	99.2	99.2	97.7	99.0	99.4	97.2	97.9	98.3	99.0
Foreign Language (2 years)	91.7	93.2	95.6	93.9	96.7	97.0	85.2	90.6	93.0	96.3
Physical Science (2 years)	56.7	62.8	72.7	57.0	66.8	77.2	54.3	57.6	58.1	69.7
Biological Science (2 years)	50.3	55.2	59.1	49.2	54.6	60.3	45.7	51.5	50.5	55.8
History/Am. Gov't (1 year)	98.8	99.0	98.8	98.0	98.8	97.6	97.7	98.2	98.4	98.0
Computer Science (1/2 year)	39.8	40.9	34.0	38.1	32.0	34.3	44.3	46.2	38.2	31.1
Arts and/or Music (1 year)	80.7	79.0	78.5	81.6	80.8	85.5	74.5	73.9	82.2	85.7
<b>How many Advanced Placement/International Baccalaureate courses did you take in high school?</b>										
<b>AP Courses</b>										
Not offered at my high school	5.8	4.2	5.4	7.9	5.6	9.5	11.1	6.9	9.4	10.9
None	22.1	10.0	2.3	24.9	7.9	2.7	39.3	29.7	19.5	6.4
1 to 4	49.4	48.2	25.9	50.6	43.7	23.5	42.1	51.4	51.5	43.1
5 to 9	20.6	31.7	50.9	14.7	37.1	48.5	6.7	10.5	17.9	33.7
10 to 14	1.8	5.6	14.4	1.6	5.4	14.4	0.5	1.1	1.6	5.6
15+	0.2	0.4	1.0	0.3	0.4	1.5	0.3	0.4	0.1	0.4
<b>IB Courses</b>										
Not offered at my high school	57.7	65.9	76.4	55.5	71.2	76.8	48.7	55.0	64.1	72.6
None	35.2	24.7	10.8	36.1	18.5	8.2	45.9	39.8	29.2	14.7
1 to 4	3.7	2.6	3.5	4.3	3.4	2.7	3.5	3.2	3.4	3.2
5 to 9	2.6	4.4	6.5	3.1	4.9	10.3	1.0	1.6	2.6	7.4
10 to 14	0.6	1.4	2.1	0.5	1.3	1.3	0.7	0.2	0.6	1.5
15+	0.3	1.1	0.8	0.4	0.7	0.6	0.3	0.3	0.2	0.7
<b>At any time since you turned 13, were you in foster care or were you a dependent of the court?</b>										
No	98.3	99.0	98.4	98.0	98.6	98.0	98.5	98.1	98.1	97.9
Yes	0.8	0.4	0.4	0.6	0.4	0.7	0.6	0.7	0.8	0.5
I don't know	0.9	0.6	1.2	1.4	1.0	1.4	0.9	1.2	1.1	1.5
<b>Do you consider yourself:</b>										
Pre-Med	25.9	21.2	26.8	18.7	21.4	23.2	22.8	17.6	15.4	16.2
Pre-Law	5.6	6.6	6.6	8.8	12.1	8.7	7.9	5.2	5.9	8.2
<b>Your intended major:</b>										
<b>Arts and Humanities</b>										
Art, fine and applied	1.0	1.0	0.7	1.4	0.4	0.6	0.7	2.5	1.1	2.9
English (language and literature)	1.4	1.0	1.2	1.5	1.8	1.2	1.2	0.9	2.1	3.0
History	1.0	0.6	0.6	0.7	1.2	0.6	0.3	0.8	1.3	1.9
Journalism/Communication	1.2	2.3	1.4	4.4	3.9	2.1	3.1	1.6	2.2	1.8
Classical and Modern Languages and Literature	0.3	0.3	0.3	0.1	0.3	0.2	0.1	0.1	0.5	0.6
Media/Film Studies	0.7	0.6	0.4	3.0	1.0	1.6	1.0	0.7	0.7	1.0
Music	0.8	1.1	0.7	1.8	0.9	1.4	1.8	0.4	1.5	1.5
Philosophy	0.3	0.3	0.2	0.4	0.4	0.4	0.3	0.1	0.5	0.6
Theatre/Drama	1.0	0.7	0.4	1.4	1.2	0.9	1.3	0.9	1.1	1.1
Theology/Religion	0.1	0.1	0.1	1.1	0.4	0.2	0.4	0.2	0.3	0.3
Other Arts and Humanities	1.2	0.8	0.5	1.2	1.1	0.9	1.4	0.8	0.8	0.8

PRE-PUBLICATION VERSION 4-19-2017  
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All Respondents	Public Universities			Private Universities			Private/Nonsectarian 4-year Colleges			
	Low	Medium	High	Medium	High	Very High	Low	Medium	High	Very High
<b>Your intended major (continued):</b>										
<b>Biological &amp; Life Sciences</b>										
Biology (general)	8.6	10.3	9.4	9.0	10.2	5.6	7.5	6.3	7.6	6.5
Animal Biology (zoology)	0.6	1.0	0.2	0.3	0.2	0.2	0.6	2.2	1.8	0.5
Ecology & Evolutionary Biology	0.1	0.1	0.3	0.0	0.2	0.2	0.2	0.1	0.1	0.3
Marine Biology	0.2	0.3	0.4	0.4	0.2	0.4	0.4	2.2	1.7	0.5
Microbiology	0.3	0.6	0.5	0.1	0.1	0.1	0.1	0.1	0.1	0.2
Molecular, Cellular, & Developmental Biology	0.8	0.5	1.7	0.3	0.4	1.3	0.0	0.1	0.3	0.9
Neurobiology/Neuroscience	1.2	1.4	3.9	0.3	1.5	5.0	1.5	1.5	0.5	2.4
Plant Biology (botany)	0.2	0.3	0.0	0.1	0.2	0.0	0.3	0.2	0.0	0.2
Agriculture/Natural Resources	0.2	1.2	0.1	0.3	0.2	0.1	0.2	0.8	0.5	0.3
Biochemistry/Biophysics	2.7	2.5	2.3	1.0	2.0	1.9	0.7	0.9	1.4	2.3
Environmental Science	0.7	0.9	0.9	0.5	0.9	0.8	2.3	0.6	1.5	2.7
Other Biological Science	0.8	1.0	1.8	0.8	0.5	0.7	0.9	1.8	0.3	0.2
<b>Business</b>										
Accounting	1.5	1.4	0.7	2.4	2.3	1.0	2.5	2.6	1.4	0.6
Business Administration (general)	3.2	1.3	2.6	3.5	2.9	5.1	2.9	2.0	3.0	2.0
Entrepreneurship	0.4	0.7	0.4	1.6	0.9	1.2	0.5	1.1	0.6	1.8
Finance	0.8	3.2	3.2	1.8	5.9	3.9	1.1	2.3	1.8	2.7
Hospitality/Tourism	0.0	0.4	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0
Human Resources Management	0.1	0.1	0.1	0.2	0.3	0.1	0.2	0.1	0.2	0.1
International Business	0.3	0.4	1.0	1.4	2.0	1.4	0.7	2.4	1.3	1.4
Marketing	1.6	2.2	1.4	3.0	2.9	1.8	2.3	2.9	2.3	1.5
Management	1.7	1.6	0.8	3.2	1.2	1.4	3.9	3.2	2.1	1.0
Computer/Management Information Systems	0.4	0.4	0.1	0.4	0.3	0.1	0.3	0.4	0.2	0.1
Real Estate	0.2	0.2	0.1	0.2	0.1	0.2	0.1	0.2	0.1	0.1
Other Business	0.5	0.7	0.3	0.8	1.1	0.5	0.9	1.6	1.4	0.5
<b>Education</b>										
Elementary Education	3.6	0.9	0.2	2.2	0.6	0.3	1.7	1.7	2.3	0.7
Music/Art Education	0.5	0.5	0.1	0.3	0.2	0.0	0.3	0.4	0.7	0.3
Physical Education/Recreation	0.6	0.1	0.0	0.1	0.1	0.0	0.6	0.5	0.1	0.0
Secondary School Teacher in a non-STEM subject	1.3	0.9	0.3	0.8	0.7	0.2	1.4	1.4	1.2	0.4
Special Education	1.2	0.5	0.2	0.8	0.5	0.3	1.0	0.7	0.6	0.5
Other Education	0.6	0.3	0.1	0.1	0.2	0.2	0.4	0.3	0.3	0.2
<b>Engineering</b>										
Aerospace/Aeronautical/Astronautical Engineering	0.5	0.2	1.6	0.2	0.1	0.6	0.2	0.1	0.3	0.3
Biological/Agricultural Engineering	0.1	0.1	0.2	0.0	0.0	0.2	0.0	0.0	0.1	0.0
Biomedical Engineering	1.4	0.8	3.5	0.4	1.1	3.3	0.7	0.8	0.3	0.5
Chemical Engineering	0.9	1.5	1.8	0.2	0.1	2.2	0.4	0.1	0.2	0.3
Civil Engineering	0.5	1.4	0.7	0.3	0.3	0.8	0.3	0.4	0.6	0.2
Computer Engineering	1.6	1.8	1.7	0.6	0.5	1.5	1.2	0.3	0.5	0.2
Electrical/Electronic Communications Engineering	1.7	1.3	1.2	0.4	0.2	1.2	1.4	0.7	0.7	0.4
Engineering Science/Engineering Physics	0.2	0.1	0.2	0.3	0.3	0.4	0.0	0.1	0.2	0.1
Environmental/Environmental Health Engineering	0.5	0.3	0.5	0.1	0.3	0.3	0.2	0.7	0.2	0.3
Industrial/Manufacturing Engineering	0.4	0.4	0.5	0.1	0.1	0.5	0.2	0.5	0.3	0.2
Materials Engineering	0.3	0.4	0.6	0.2	0.1	0.3	0.1	0.2	0.3	0.2
Mechanical Engineering	3.8	4.7	3.3	0.5	1.3	3.4	0.6	2.7	1.5	0.7
Other Engineering	0.6	0.5	0.9	0.3	0.2	0.8	0.2	0.4	1.1	0.2

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All Respondents	Public Universities			Private Universities			Private/Nonsectarian 4-year Colleges			
	Low	Medium	High	Medium	High	Very High	Low	Medium	High	Very High
<b>Your intended major (continued):</b>										
<b>Health Professions</b>										
Clinical Laboratory Science	0.2	0.0	0.1	0.3	0.1	0.1	0.4	0.1	0.1	0.1
Health Care Administration/Studies	0.4	0.3	0.2	0.5	0.3	0.6	1.0	0.3	0.2	0.2
Health Technology	0.1	0.0	0.0	0.2	0.0	0.0	0.1	0.1	0.1	0.0
Kinesiology	0.5	1.6	0.9	2.5	0.5	0.1	1.0	0.7	0.4	0.7
Nursing	5.7	4.2	2.2	4.3	2.3	0.4	2.8	7.4	4.3	0.2
Pharmacy	1.1	0.3	1.3	0.4	1.4	0.9	0.5	3.8	0.3	0.1
Therapy (occupational, physical, speech)	2.1	1.3	0.9	1.7	0.8	0.6	5.5	2.6	2.1	0.7
Other Health Profession	2.5	1.6	1.1	1.9	1.6	1.7	5.5	2.8	1.6	0.9
<b>Math and Computer Science</b>										
Computer Science	2.9	4.7	5.4	3.2	2.0	5.4	3.7	2.0	2.4	2.7
Mathematics/Statistics	1.5	1.8	2.6	0.8	1.4	2.0	0.9	0.5	1.8	3.0
Other Math and Computer Science	0.2	0.3	0.8	0.2	0.3	0.8	0.4	0.4	0.1	0.4
<b>Physical Science</b>										
Astronomy & Astrophysics	0.2	0.2	0.5	0.1	0.0	0.2	0.0	0.0	0.1	0.3
Atmospheric Science	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0
Chemistry	0.9	1.5	2.3	0.8	1.4	1.5	0.4	0.9	1.2	1.7
Earth & Planetary Sciences	0.3	0.3	0.2	0.1	0.1	0.1	0.1	0.0	0.1	0.3
Marine Sciences	0.1	0.1	0.1	0.1	0.0	0.1	0.1	0.3	0.2	0.1
Physics	0.6	0.9	1.1	0.4	0.5	1.1	0.1	0.3	0.6	1.6
Other Physical Science	0.1	0.2	0.1	0.1	0.1	0.0	0.2	0.6	0.1	0.2
<b>Social Science</b>										
Anthropology	0.4	0.3	0.3	0.1	0.4	0.3	0.4	0.1	0.5	0.7
Economics	0.5	1.3	2.4	0.6	1.6	3.3	0.2	0.3	1.1	4.5
Ethnic/Cultural Studies	0.1	0.0	0.1	0.2	0.1	0.0	0.0	0.1	0.2	0.1
Geography	0.0	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Political Science (gov't., international relations)	1.8	3.2	3.6	3.1	10.4	4.2	1.9	1.4	3.6	5.5
Psychology	5.9	3.8	3.3	6.2	3.9	2.4	5.7	3.8	5.8	4.9
Public Policy	0.2	0.1	0.6	0.2	0.3	0.5	0.0	0.0	0.5	0.4
Social Work	1.0	0.3	0.1	0.8	0.4	0.1	0.7	0.7	0.4	0.1
Sociology	0.9	0.3	0.4	1.5	0.6	0.4	0.5	0.2	0.6	0.9
Women's/Gender Studies	0.1	0.0	0.1	0.0	0.1	0.1	0.0	0.0	0.2	0.2
Other Social Science	0.2	0.4	0.6	0.6	0.5	0.5	0.1	0.3	0.3	0.3
<b>Other Majors</b>										
Architecture/Urban Planning	0.1	0.5	0.4	0.1	0.0	1.5	0.2	0.2	2.5	0.4
Criminal Justice	3.0	1.6	0.1	3.2	0.9	0.1	6.3	4.0	1.9	0.2
Library Science	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.2	0.0
Security & Protective Services	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.1	0.1	0.0
Military Sciences/Technology/Operations	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.0
Other	1.7	1.9	1.2	2.7	2.0	2.0	4.3	3.3	2.8	1.4
Undecided	8.3	8.4	10.1	6.6	9.8	8.9	4.8	5.7	9.5	17.2

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Weighted National Norms—Public/Private Universities and Nonsectarian 4-year Colleges by Selectivity

All Respondents	Public Universities			Private Universities			Private/Nonsectarian 4-year Colleges				
	Low	Medium	High	Medium	High	Very High	Low	Medium	High	Very High	
<b>Your intended career occupation</b>											
Actor or Entertainer	1.2	0.9	0.4	1.9	1.9	1.0	1.3	1.2	1.2	1.5	
Artist	0.5	0.6	0.4	0.8	0.4	0.5	0.7	1.6	0.9	2.2	
Graphic Designer	0.7	0.5	0.3	1.0	0.4	0.5	1.0	0.9	0.8	0.8	
Musician	1.0	1.2	0.7	2.1	1.1	1.3	1.9	0.8	1.6	1.6	
Writer/Producer/Director	1.5	1.3	0.9	3.2	2.3	2.8	1.8	1.5	2.7	2.8	
Farmer or Forester	0.2	0.4	0.1	0.5	0.1	0.1	0.2	0.7	0.2	0.2	
Natural Resource Specialist/Environmentalist	0.6	1.1	0.4	0.4	0.4	0.3	1.0	0.5	1.3	1.2	
Accountant	1.3	1.2	0.7	1.9	1.8	1.0	2.4	2.1	1.7	0.6	
Administrative Assistant	0.3	0.2	0.1	0.4	0.3	0.1	0.3	0.3	0.3	0.2	
Business Manager/Executive	2.4	2.4	3.5	3.2	3.7	5.4	2.4	3.0	3.0	3.5	
Business Owner/Entrepreneur	2.2	2.2	2.1	4.0	3.2	4.7	3.0	2.5	3.0	3.3	
Retail Sales	0.4	0.6	0.2	0.8	0.4	0.1	0.4	0.4	0.5	0.2	
Sales/Marketing	1.6	1.9	1.2	2.5	2.1	1.6	1.9	3.0	1.9	1.6	
Human Resources	0.5	0.3	0.2	0.3	0.3	0.3	0.6	0.1	0.3	0.3	
Finance (e.g., Actuary, Banking, Loan Officer, Planner)	0.9	2.5	3.8	1.9	4.5	4.4	0.8	2.4	2.2	3.6	
Management Consultant	0.3	0.4	0.6	0.3	0.4	1.0	0.2	0.5	0.3	0.6	
Real Estate Agent/Realtor/Appraiser/Developer	0.2	0.3	0.2	0.6	0.3	0.5	0.5	0.4	0.4	0.3	
Sports Management	0.6	1.6	0.9	1.2	1.2	0.8	3.9	3.5	0.8	0.9	
Journalist	0.9	1.1	0.8	1.8	1.9	0.9	1.1	0.5	0.8	1.0	
Public/Media Relations	0.7	1.4	0.6	2.1	1.9	0.9	1.8	1.5	1.3	1.5	
Advertising	0.3	0.6	0.3	0.4	0.6	0.3	0.3	0.4	0.2	0.5	
College Administrator/Staff	0.3	0.3	0.2	0.1	0.2	0.1	0.7	0.2	0.4	0.3	
College Faculty	0.3	0.4	0.5	0.5	0.4	0.5	0.1	0.5	0.7	1.2	
Early Childcare Provider	0.9	0.4	0.1	0.9	0.4	0.2	0.8	0.8	0.4	0.2	
Elementary School Teacher	3.9	1.1	0.6	2.5	1.1	0.5	2.2	1.8	2.7	1.2	
Secondary School Teacher in Science, Technology, Engineering, or Math (STEM)	1.0	0.7	0.3	1.2	0.6	0.3	0.7	1.1	1.0	1.0	
Secondary School Teacher in a non-STEM subject	2.1	1.7	0.7	1.6	2.0	0.8	1.4	1.7	2.2	1.7	
Librarian	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1	
Teacher's Assistant/Paraprofessional	0.1	0.0	0.0	0.1	0.1	0.0	0.1	0.1	0.1	0.0	
K-12 Administrator	0.2	0.1	0.2	0.4	0.3	0.2	0.2	0.7	0.5	0.4	
Other K-12 Professional	0.9	0.5	0.3	1.2	0.6	0.4	0.8	1.1	1.1	0.5	
Military	0.6	0.9	0.6	1.0	0.7	0.5	1.4	1.7	1.1	0.5	
Federal/State/Local Government Official	1.1	1.6	1.9	1.9	5.1	1.6	1.9	1.1	1.6	2.5	
Protective Services (e.g., Homeland Security, Law Enforcement, Firefighter)	1.8	1.2	0.3	2.1	1.2	0.3	3.1	2.5	1.8	0.5	
Postal Worker	0.1	0.0	0.0	0.1	0.2	0.1	0.1	0.4	0.4	0.1	
Dietician/Nutritionist	1.0	0.7	0.3	0.7	0.2	0.2	0.8	0.6	1.1	0.4	
Home Health Worker	0.1	0.1	0.0	0.2	0.1	0.0	0.1	0.1	0.2	0.1	
Medical/Dental Assistant (e.g., Hygienist, Lab Tech, Nursing Asst.)	1.4	0.6	0.6	1.0	0.6	0.3	2.3	0.8	0.6	0.3	
Registered Nurse	4.5	2.9	2.0	4.0	1.8	0.4	2.2	5.4	3.4	0.4	
Therapist (e.g., Physical, Occupational, Speech)	4.0	3.4	2.2	5.3	2.0	1.3	7.8	4.1	4.2	2.6	
Computer Programmer/Developer	1.9	4.0	4.4	2.0	1.6	4.3	1.9	1.2	1.7	1.9	
Computer/Systems Analyst	0.7	0.8	0.9	0.5	0.2	0.6	0.9	0.6	0.3	0.3	
Web Designer	0.1	0.1	0.1	0.1	0.0	0.1	0.1	0.2	0.1	0.1	
Lawyer/Judge	3.3	4.2	4.0	5.0	7.4	4.7	3.5	2.6	3.7	4.8	
Paralegal	0.2	0.4	0.2	0.2	0.2	0.3	0.3	0.2	0.2	0.2	
Clinical Psychologist	2.4	1.9	1.7	2.3	1.7	1.1	2.1	1.5	1.9	2.0	
Dentist/Orthodontist	1.4	1.6	1.5	1.3	1.8	0.6	1.5	0.8	0.7	0.6	
Medical Doctor/Surgeon	12.5	12.0	17.9	8.9	13.3	16.2	8.8	6.0	7.2	9.5	

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All Respondents	Public Universities			Private Universities			Private/Nonsectarian 4-year Colleges				
	Low	Medium	High	Medium	High	Very High	Low	Medium	High	Very High	
<b>Your intended career occupation (continued)</b>											
Optometrist	0.5	0.3	0.4	0.4	0.5	0.3	0.3	0.3	0.2	0.1	
Pharmacist	1.7	1.0	1.9	0.9	2.0	1.1	0.4	3.9	0.6	0.4	
Veterinarian	1.3	2.0	0.5	0.6	0.6	0.6	1.0	3.4	3.3	0.7	
Engineer	8.9	8.8	12.2	2.0	2.8	10.9	2.4	4.4	3.4	3.0	
Research Scientist (e.g., Biologist, Chemist, Physicist)	3.7	5.2	6.5	1.7	2.5	5.0	2.3	4.3	4.0	5.5	
Urban Planner/Architect	0.2	0.6	0.5	0.2	0.1	1.3	0.3	0.2	1.4	0.4	
Custodian/Janitor/Housekeeper	0.0	0.0	0.1	0.2	0.0	0.0	0.1	0.1	0.1	0.0	
Food Service (e.g., Chef/Cook, Server)	0.1	0.0	0.0	0.1	0.1	0.0	0.3	0.1	0.2	0.1	
Hair Stylist/Aesthetician/Manicurist	0.0	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.1	0.0	
Interior Designer	0.1	0.4	0.0	0.6	0.1	0.0	0.8	0.1	0.1	0.2	
Skilled Trades (e.g., Plumber, Electrician, Construction)	1.7	1.5	0.4	0.9	0.6	0.0	1.2	2.0	1.5	0.1	
Social/Non-Profit Services	0.6	0.3	0.6	0.9	1.0	0.4	0.3	0.9	0.7	0.7	
Clergy	0.8	0.4	0.2	1.1	0.3	0.1	1.3	1.1	0.5	0.4	
Homemaker/Stay at Home Parent	0.4	0.4	0.2	0.6	0.3	0.2	1.1	0.6	0.6	0.3	
Other	4.9	4.3	2.9	5.4	3.8	2.3	8.0	5.8	5.0	3.2	
Undecided	9.9	10.5	13.2	7.9	12.4	14.0	7.0	7.0	13.6	22.8	
<b>Parent/Guardian 1 occupation</b>											
Actor or Entertainer	0.2	0.1	0.1	0.3	0.4	0.3	0.3	0.2	0.2	0.2	
Artist	0.2	0.4	0.3	0.1	0.4	0.4	0.2	0.4	0.5	0.7	
Graphic Designer	0.5	0.5	0.3	0.5	0.3	0.5	0.6	0.5	0.6	0.6	
Musician	0.2	0.3	0.2	0.2	0.2	0.3	0.2	0.3	0.4	0.4	
Writer/Producer/Director	0.1	0.1	0.2	0.1	0.3	0.5	0.2	0.2	0.3	0.6	
Farmer or Forester	0.3	0.5	0.3	0.5	0.3	0.1	0.3	0.5	0.6	0.5	
Natural Resource Specialist/Environmentalist	0.1	0.3	0.2	0.3	0.1	0.1	0.2	0.2	0.2	0.2	
Accountant	2.9	3.1	3.1	2.8	3.3	3.1	3.6	3.3	2.7	2.5	
Administrative Assistant	1.5	1.4	1.2	1.5	1.4	1.0	2.4	1.9	1.4	1.2	
Business Manager/Executive	4.4	6.5	8.2	5.8	8.1	10.1	4.8	6.4	5.4	8.5	
Business Owner/Entrepreneur	4.4	5.1	5.2	6.6	7.4	8.8	3.6	4.9	5.6	6.6	
Retail Sales	1.2	1.1	0.9	1.0	0.9	0.7	1.2	1.1	1.1	0.9	
Sales/Marketing	3.4	5.0	4.1	4.4	4.5	3.8	3.1	4.5	4.4	4.3	
Human Resources	1.2	1.0	1.0	1.5	1.1	0.8	1.7	1.0	0.9	1.0	
Finance (e.g., Actuary, Banking, Loan Officer, Planner)	2.1	3.2	3.6	2.6	4.5	4.7	2.4	2.7	3.2	4.6	
Management Consultant	0.5	1.0	1.3	1.3	1.2	1.6	1.3	1.1	1.1	1.4	
Real Estate Agent/Realtor/Appraiser/Developer	0.8	2.0	1.5	1.7	1.2	1.8	0.6	1.1	1.2	1.7	
Sports Management	0.0	0.1	0.1	0.1	0.1	0.1	0.2	0.1	0.1	0.1	
Journalist	0.1	0.2	0.3	0.1	0.3	0.3	0.2	0.2	0.3	0.4	
Public/Media Relations	0.4	0.5	0.4	0.5	0.5	0.4	0.7	0.6	0.7	0.7	
Advertising	0.1	0.1	0.2	0.1	0.3	0.3	0.1	0.1	0.1	0.3	
College Administrator/Staff	0.3	0.5	0.7	0.7	0.7	0.8	0.5	0.6	0.9	1.2	
College Faculty	0.3	0.7	1.4	1.1	1.3	2.2	0.5	0.4	1.5	2.7	
Early Childcare Provider	0.9	0.8	0.4	1.3	0.7	0.6	1.1	0.9	0.9	0.7	
Elementary School Teacher	1.8	2.5	1.5	2.3	1.8	1.4	2.0	2.4	2.7	1.9	
Secondary School Teacher in Science, Technology, Engineering, or Math (STEM)	0.9	0.9	0.9	0.8	1.1	0.7	0.8	1.1	1.3	1.3	
Secondary School Teacher in a non-STEM subject	0.8	1.2	1.1	1.1	1.4	0.9	0.9	0.9	1.5	1.9	
Librarian	0.2	0.2	0.1	0.2	0.2	0.1	0.2	0.1	0.1	0.3	
Teacher's Assistant/Paraprofessional	1.2	0.5	0.5	0.9	0.7	0.4	1.2	0.9	0.8	0.5	
K-12 Administrator	0.7	0.8	0.6	0.8	0.8	0.5	0.6	1.0	0.9	0.7	
Other K-12 Professional	1.0	1.0	0.9	1.1	0.8	0.6	1.4	0.9	1.3	1.0	
Military	0.8	1.3	1.2	1.4	1.0	0.4	0.8	1.4	1.1	0.7	
Federal/State/Local Government Official	0.8	1.4	1.5	1.5	1.0	1.2	1.4	1.3	1.0	1.4	

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	Low	Medium	High	Medium	High	Very High	Low	Medium	High	Very High
<b>Parent/Guardian 1 occupation (continued)</b>										
Protective Services (e.g., Homeland Security, Law Enforcement, Firefighter)	1.8	2.6	1.2	2.2	1.3	0.7	3.2	2.6	1.9	1.2
Postal Worker	0.4	0.5	0.3	0.7	0.4	0.2	0.5	0.7	0.3	0.2
Dietician/Nutritionist	0.2	0.3	0.2	0.3	0.2	0.2	0.5	0.4	0.3	0.3
Home Health Worker	0.7	0.6	0.3	1.0	0.4	0.2	1.6	0.7	0.6	0.4
Medical/Dental Assistant (e.g., Hygienist, Lab Tech, Nursing Asst.)	2.0	1.3	0.7	1.6	0.8	0.6	2.3	1.7	1.1	0.6
Registered Nurse	3.0	2.8	2.2	2.7	2.1	1.4	3.4	3.1	2.6	1.5
Therapist (e.g., Physical, Occupational, Speech)	1.0	1.1	1.1	1.1	0.9	0.8	1.5	1.2	1.6	1.2
Computer Programmer/Developer	1.2	2.3	2.6	1.4	1.4	2.9	1.3	1.4	1.3	1.8
Computer/Systems Analyst	1.6	2.3	2.4	1.5	1.9	1.9	1.3	1.7	1.8	1.3
Web Designer	0.1	0.2	0.1	0.1	0.0	0.1	0.2	0.1	0.3	0.1
Lawyer/Judge	0.8	2.3	4.1	1.2	5.1	5.5	0.7	1.0	2.1	5.3
Paralegal	0.5	0.5	0.3	0.4	0.4	0.2	0.6	0.7	0.4	0.4
Clinical Psychologist	0.3	0.5	0.5	0.4	0.4	0.5	0.3	0.2	0.5	0.7
Dentist/Orthodontist	0.4	0.5	0.8	0.3	1.0	0.7	0.5	0.5	0.5	0.5
Medical Doctor/Surgeon	1.6	2.3	4.9	2.0	4.1	6.8	0.8	1.2	1.8	5.0
Optometrist	0.1	0.2	0.2	0.1	0.2	0.2	0.1	0.1	0.1	0.1
Pharmacist	0.4	0.5	0.7	0.5	0.6	0.5	0.5	0.6	0.4	0.4
Veterinarian	0.3	0.2	0.2	0.1	0.2	0.1	0.3	0.2	0.2	0.3
Engineer	6.6	6.0	8.7	4.1	4.2	6.7	3.3	3.9	3.8	4.0
Research Scientist (e.g., Biologist, Chemist, Physicist)	0.9	1.4	1.9	0.6	0.9	2.0	0.4	0.5	0.9	1.4
Urban Planner/Architect	0.4	0.6	0.4	0.2	0.6	0.5	0.7	0.4	0.8	0.7
Custodian/Janitor/Housekeeper	1.2	0.6	0.4	0.5	0.6	0.3	1.5	0.7	0.5	0.5
Food Service (e.g., Chef/Cook, Server)	1.9	1.8	1.2	1.5	1.1	1.0	1.8	1.5	1.4	0.9
Hair Stylist/Aesthetician/Manicurist	0.7	0.8	0.5	0.6	0.5	0.2	0.7	0.9	0.8	0.2
Interior Designer	0.1	0.2	0.2	0.3	0.2	0.3	0.2	0.1	0.2	0.2
Skilled Trades (e.g., Plumber, Electrician, Construction)	6.2	4.5	3.2	3.8	3.1	1.7	4.8	6.1	4.8	2.3
Social/Non-Profit Services	0.5	0.5	0.5	0.7	0.6	0.4	0.7	0.4	0.9	0.9
Clergy	0.8	0.4	0.6	1.5	0.7	0.5	0.6	0.4	0.8	0.6
Homemaker/Stay at Home Parent	6.5	4.0	4.6	4.7	5.6	5.3	4.5	4.5	5.0	4.9
Other	22.3	13.2	11.1	17.8	11.3	7.4	20.5	18.2	16.6	10.2
Undecided	1.3	0.5	0.3	0.9	0.5	0.2	1.6	0.7	0.8	0.4
<b>Parent/Guardian 2 occupation</b>										
Actor or Entertainer	0.1	0.2	0.2	0.3	0.4	0.3	0.3	0.1	0.4	0.3
Artist	0.4	0.5	0.4	0.2	0.5	0.8	0.4	0.3	0.7	1.3
Graphic Designer	0.4	0.4	0.4	0.6	0.6	0.5	0.4	0.3	0.6	0.6
Musician	0.3	0.3	0.3	0.2	0.4	0.5	0.2	0.4	0.6	0.7
Writer/Producer/Director	0.1	0.3	0.3	0.2	0.4	0.5	0.1	0.1	0.4	0.8
Farmer or Forester	0.2	0.3	0.2	0.3	0.4	0.2	0.2	0.5	0.7	0.3
Natural Resource Specialist/Environmentalist	0.2	0.2	0.2	0.1	0.1	0.1	0.3	0.1	0.3	0.2
Accountant	2.3	3.2	3.5	2.7	3.1	3.7	1.9	2.8	2.7	2.6
Administrative Assistant	1.1	1.5	1.5	1.6	1.3	1.2	1.0	1.2	1.6	1.3
Business Manager/Executive	2.8	4.3	4.8	4.4	5.6	6.0	3.5	4.4	4.3	5.3
Business Owner/Entrepreneur	2.8	3.8	3.9	4.8	5.1	5.8	3.5	4.7	3.8	4.8
Retail Sales	1.4	1.2	0.9	1.2	1.0	0.9	1.0	1.4	1.2	1.0
Sales/Marketing	2.4	3.8	3.3	2.9	4.3	3.4	2.5	3.9	3.6	3.5
Human Resources	1.1	1.1	1.1	1.1	1.1	0.9	1.3	1.3	1.0	0.9
Finance (e.g., Actuary, Banking, Loan Officer, Planner)	1.6	2.2	2.7	1.9	3.1	3.3	1.0	2.4	2.3	2.8
Management Consultant	0.7	1.0	1.0	0.7	1.3	1.2	0.9	1.2	0.8	1.0
Real Estate Agent/Realtor/Appraiser/Developer	0.9	1.7	1.4	1.5	1.4	1.8	1.0	1.1	1.0	1.5

PRE-PUBLICATION VERSION 4-19-2017  
2016 CIRP Freshman Survey

Weighted National Norms—Public/Private Universities and Nonsectarian 4-year Colleges by Selectivity

All Respondents	Public Universities			Private Universities			Private/Nonsectarian 4-year Colleges				
	Low	Medium	High	Medium	High	Very High	Low	Medium	High	Very High	
<b>Parent/Guardian 2 occupation (continued)</b>											
Sports Management	0.0	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.0	0.1	
Journalist	0.1	0.3	0.3	0.2	0.4	0.4	0.3	0.2	0.3	0.6	
Public/Media Relations	0.2	0.5	0.5	0.3	0.5	0.5	0.3	0.4	0.6	0.6	
Advertising	0.1	0.3	0.2	0.2	0.3	0.2	0.1	0.2	0.2	0.3	
College Administrator/Staff	0.1	0.4	0.6	0.6	0.7	0.8	0.7	0.5	0.4	1.2	
College Faculty	0.3	0.5	1.2	0.8	1.0	1.6	0.7	0.4	1.2	2.0	
Early Childcare Provider	1.0	1.1	1.0	1.7	1.1	0.7	1.0	1.1	1.1	0.9	
Elementary School Teacher	2.0	3.8	2.8	3.9	2.6	2.4	2.4	3.1	3.3	2.8	
Secondary School Teacher in Science, Technology, Engineering, or Math (STEM)	0.5	0.9	1.1	1.1	1.0	1.0	1.2	0.9	1.2	1.2	
Secondary School Teacher in a non-STEM subject	0.6	1.3	1.3	1.1	1.5	1.2	0.6	1.1	1.4	1.6	
Librarian	0.2	0.3	0.3	0.0	0.2	0.3	0.2	0.1	0.4	0.5	
Teacher's Assistant/Paraprofessional	1.5	1.1	1.0	1.1	0.9	0.6	1.0	1.3	1.2	0.9	
K-12 Administrator	0.5	0.8	0.6	1.2	0.4	0.5	1.2	0.6	1.1	0.9	
Other K-12 Professional	1.0	1.1	1.0	0.8	0.9	1.0	1.0	1.1	1.0	1.3	
Military	0.9	0.8	0.8	1.2	0.7	0.5	0.8	1.1	0.9	0.4	
Federal/State/Local Government Official	0.8	1.2	1.1	1.0	1.0	0.9	1.5	1.0	1.1	1.3	
Protective Services (e.g., Homeland Security, Law Enforcement, Firefighter)	1.6	1.7	0.9	1.6	1.3	0.5	2.9	1.8	1.6	0.8	
Postal Worker	0.5	0.5	0.3	0.4	0.3	0.2	0.8	0.5	0.4	0.3	
Dietician/Nutritionist	0.2	0.4	0.4	0.3	0.3	0.4	0.2	0.2	0.3	0.3	
Home Health Worker	0.5	0.6	0.3	0.6	0.3	0.2	1.0	0.5	0.5	0.3	
Medical/Dental Assistant (e.g., Hygienist, Lab Tech, Nursing Asst.)	1.9	1.4	1.1	1.3	1.0	0.8	1.7	1.5	1.0	0.8	
Registered Nurse	2.8	3.8	3.1	3.0	3.3	2.3	2.4	2.9	2.3	2.4	
Therapist (e.g., Physical, Occupational, Speech)	1.0	1.3	1.4	1.2	1.4	1.3	0.8	1.2	1.7	1.5	
Computer Programmer/Developer	0.8	1.3	1.7	1.1	0.7	1.8	1.1	0.7	1.2	1.3	
Computer/Systems Analyst	1.0	1.7	1.6	0.7	1.4	1.6	1.4	1.5	1.1	1.0	
Web Designer	0.1	0.2	0.1	0.2	0.1	0.1	0.2	0.1	0.1	0.2	
Lawyer/Judge	0.6	1.4	2.6	0.8	3.7	3.9	0.7	0.9	1.8	4.1	
Paralegal	0.4	0.5	0.4	0.3	0.4	0.4	0.6	0.7	0.3	0.4	
Clinical Psychologist	0.2	0.4	0.5	0.3	0.5	0.5	0.3	0.2	0.3	0.7	
Dentist/Orthodontist	0.3	0.4	0.7	0.2	0.7	0.7	0.1	0.4	0.4	0.5	
Medical Doctor/Surgeon	1.2	1.6	3.2	1.3	2.6	4.7	1.2	1.3	1.2	3.3	
Optometrist	0.2	0.1	0.2	0.2	0.3	0.2	0.2	0.0	0.1	0.2	
Pharmacist	0.6	0.6	0.8	0.4	0.8	0.9	0.5	0.5	0.4	0.6	
Veterinarian	0.2	0.2	0.2	0.1	0.1	0.1	0.2	0.1	0.2	0.2	
Engineer	4.4	3.3	4.2	2.4	3.1	3.9	3.2	2.7	2.6	3.0	
Research Scientist (e.g., Biologist, Chemist, Physicist)	0.7	0.9	1.6	0.4	0.8	1.7	0.4	0.7	1.2	1.2	
Urban Planner/Architect	0.4	0.6	0.5	0.3	0.4	0.6	0.5	0.4	0.6	0.6	
Custodian/Janitor/Housekeeper	1.2	0.5	0.5	0.7	0.6	0.3	1.4	0.8	0.5	0.3	
Food Service (e.g., Chef/Cook, Server)	2.2	2.0	1.3	1.8	1.1	1.1	2.5	1.5	1.7	1.0	
Hair Stylist/Aesthetician/Manicurist	0.9	0.9	0.8	0.7	0.4	0.5	0.9	0.9	0.3	0.3	
Interior Designer	0.1	0.2	0.1	0.2	0.4	0.3	0.1	0.1	0.3	0.3	
Skilled Trades (e.g., Plumber, Electrician, Construction)	6.0	4.6	2.9	4.8	3.2	1.7	7.4	7.0	4.8	2.6	
Social/Non-Profit Services	0.4	0.4	0.6	0.6	0.6	0.6	0.6	0.4	0.9	0.9	
Clergy	0.6	0.4	0.4	0.7	0.5	0.4	0.9	0.3	0.5	0.6	
Homemaker/Stay at Home Parent	14.6	9.9	14.7	12.7	13.1	15.0	6.1	8.3	9.8	12.7	
Other	23.6	16.6	12.4	19.1	12.6	9.0	24.1	21.0	18.8	11.6	
Undecided	2.3	1.1	0.6	2.0	0.8	0.5	2.8	1.6	1.5	0.6	

PRE-PUBLICATION VERSION 4-19-2017  
2016 CIRP Freshman Survey

Weighted National Norms—Public/Private Universities and Nonsectarian 4-year Colleges by Selectivity

All Respondents	Public Universities			Private Universities			Private/Nonsectarian 4-year Colleges			
	Low	Medium	High	Medium	High	Very High	Low	Medium	High	Very High
<b>Current employment status:</b>										
<b>Parent/Guardian 1</b>										
Employed	85.1	88.4	87.4	86.1	86.4	86.0	87.3	87.3	85.5	85.9
Seasonally employed	2.6	1.8	1.9	2.3	2.4	2.1	2.0	2.1	2.8	2.6
Unemployed	9.5	6.7	7.0	8.1	7.6	7.3	8.1	7.4	8.1	6.9
Retired	2.7	3.1	3.7	3.4	3.7	4.6	2.6	3.2	3.6	4.6
<b>Parent/Guardian 2</b>										
Employed	70.6	77.8	72.6	73.2	72.8	70.5	79.6	78.8	75.3	72.1
Seasonally employed	4.5	3.9	3.8	5.3	4.4	3.9	3.9	4.1	4.2	4.5
Unemployed	21.4	14.2	17.4	17.7	15.9	17.1	13.4	12.8	15.4	16.4
Retired	3.5	4.1	6.3	3.9	6.9	8.4	3.1	4.3	5.1	7.0
<b>How much of your first year's educational expenses (room, board, tuition, and fees) do you expect to cover from <u>each</u> of the sources listed below?</b>										
<b>Family resources (parents, relatives, spouse, etc.)</b>										
None	33.9	22.8	16.9	25.4	14.6	10.2	37.6	24.1	21.5	14.6
\$1 to \$2,999	24.0	15.9	11.0	16.1	9.6	7.5	21.3	19.2	16.5	8.6
\$3,000 to \$5,999	14.2	13.0	7.4	13.4	8.1	6.2	13.2	12.3	10.3	6.9
\$6,000 to \$9,999	9.5	10.8	7.0	9.9	7.2	6.1	9.6	10.7	10.2	6.0
\$10,000 to \$14,999	7.5	12.2	9.8	10.5	9.1	7.8	8.6	11.5	12.1	8.3
\$15,000 or more	10.8	25.2	48.0	24.6	51.4	62.2	9.8	22.1	29.3	55.6
<b>My own resources (savings from work, work-study, other income)</b>										
None	34.7	40.4	44.9	43.5	47.0	49.2	53.0	40.6	35.8	45.8
\$1 to \$2,999	44.5	40.4	38.2	35.1	34.2	35.7	32.5	37.5	42.3	38.0
\$3,000 to \$5,999	13.3	11.9	11.2	11.8	10.0	9.0	8.4	12.2	11.9	9.7
\$6,000 to \$9,999	4.3	3.8	2.5	4.2	3.3	2.6	2.6	4.5	4.5	2.7
\$10,000 to \$14,999	1.6	1.8	1.5	2.8	2.2	1.5	1.6	2.5	2.5	1.6
\$15,000 or more	1.6	1.8	1.7	2.6	3.2	2.0	1.9	2.7	3.0	2.2
<b>Aid which need <u>not</u> be repaid (grants, scholarships, military funding, etc.)</b>										
None	26.3	27.8	43.0	20.7	24.5	34.9	30.4	20.5	16.3	35.1
\$1 to \$2,999	15.3	22.3	14.4	7.9	5.0	5.5	7.3	8.7	8.8	5.9
\$3,000 to \$5,999	15.6	18.4	7.7	8.4	4.8	4.4	7.9	11.0	7.9	5.1
\$6,000 to \$9,999	11.3	12.8	5.6	8.4	4.5	2.0	6.1	10.4	7.2	4.2
\$10,000 to \$14,999	12.1	9.6	9.0	18.6	9.5	5.5	10.0	19.6	14.1	7.0
\$15,000 or more	19.4	9.1	20.3	36.0	51.7	47.7	38.3	29.8	45.7	42.8
<b>Aid which <u>must</u> be repaid (loans, etc.)</b>										
None	48.1	54.8	61.3	38.8	48.8	65.6	42.9	37.4	44.8	59.6
\$1 to \$2,999	12.1	8.8	6.6	8.5	6.9	5.1	11.5	9.3	10.7	8.0
\$3,000 to \$5,999	18.2	15.8	13.7	16.9	16.4	11.7	17.3	18.6	17.6	15.0
\$6,000 to \$9,999	10.8	8.4	6.5	9.8	6.9	5.7	9.7	11.0	8.2	5.3
\$10,000 to \$14,999	5.6	5.5	4.8	9.8	7.0	4.4	8.6	10.0	7.5	4.7
\$15,000 or more	5.2	6.6	7.1	16.3	14.0	7.5	10.1	13.7	11.2	7.4

PRE-PUBLICATION VERSION 4-19-2017

2016 CIRP Freshman Survey

Weighted National Norms—Public/Private Universities and Nonsectarian 4-year Colleges by Selectivity

All Respondents	Public Universities			Private Universities			Private/Nonsectarian 4-year Colleges			
	Low	Medium	High	Medium	High	Very High	Low	Medium	High	Very High
<b>Did you receive any of the following forms of financial aid?</b>										
<b>Military grants</b>										
Yes	1.7	1.8	2.1	2.5	1.8	1.1	2.2	2.4	2.2	1.0
No	98.3	98.2	97.9	97.5	98.2	98.9	97.8	97.6	97.8	99.0
<b>Work-study</b>										
Yes	23.1	13.1	23.5	23.9	25.3	25.2	34.4	24.6	44.7	37.1
No	76.9	86.9	76.5	76.1	74.7	74.8	65.6	75.4	55.3	62.9
<b>Pell Grant</b>										
Yes	35.9	24.3	19.6	36.6	21.2	14.9	42.8	27.5	30.2	16.8
No	64.1	75.7	80.4	63.4	78.8	85.1	57.2	72.5	69.8	83.2
<b>Need-based grants or scholarships</b>										
Yes	41.9	32.7	32.7	47.4	41.5	37.2	53.0	48.0	54.2	45.0
No	58.1	67.3	67.3	52.6	58.5	62.8	47.0	52.0	45.8	55.0
<b>Merit-based grants or scholarships</b>										
Yes	53.2	59.7	40.5	75.5	70.3	53.2	72.4	77.9	83.6	56.1
No	46.8	40.3	59.5	24.5	29.7	46.8	27.6	22.1	16.4	43.9
<b>What is your best estimate of your parents'/guardians' total income last year?</b>										
Less than \$15,000	7.0	3.3	2.9	6.3	2.7	1.9	9.4	4.5	6.4	2.9
\$15,000 to \$24,999	8.7	4.4	4.0	6.8	3.7	2.1	7.9	5.3	5.4	3.3
\$25,000 to \$29,999	5.7	3.4	2.5	5.4	2.7	1.9	7.0	4.1	5.1	2.3
\$30,000 to \$59,999	19.3	13.3	10.4	15.8	9.8	8.3	19.4	15.3	14.2	9.6
\$60,000 to \$74,999	12.2	9.7	7.1	12.8	7.7	5.6	13.0	12.7	10.1	7.5
\$75,000 to \$99,999	14.0	13.2	10.4	13.7	10.6	8.7	13.3	14.0	12.8	10.3
\$100,000 to \$124,999	13.6	15.6	14.2	13.8	13.8	13.3	11.9	15.1	14.5	13.2
\$125,000 to \$149,999	6.2	8.7	8.4	6.2	7.8	7.6	5.9	7.9	7.7	8.5
\$150,000 to \$199,999	6.4	9.9	11.0	6.5	9.3	10.1	4.8	8.0	8.9	9.7
\$200,000 to \$249,999	3.2	7.8	9.6	5.0	9.3	10.8	3.7	5.2	5.5	9.5
\$250,000 to \$499,999	2.6	7.5	12.4	5.0	12.4	15.5	2.7	5.2	6.0	13.0
\$500,000 or higher	1.1	3.0	6.8	2.6	10.3	14.1	1.0	2.7	3.5	10.1
<b>Please select how many individuals in your household (including yourself) are dependent on your parent(s)/guardian(s) for financial support:</b>										
I am not dependent on my parent(s)/guardian(s)	2.8	2.1	0.8	2.5	0.9	0.8	3.4	2.6	2.9	1.2
One	14.7	17.2	15.2	18.0	16.1	16.0	19.3	19.4	18.2	17.9
Two	32.8	39.3	37.8	31.6	38.3	40.8	34.2	38.3	39.2	39.6
Three	22.2	22.8	22.8	22.2	23.3	22.8	21.4	21.4	21.7	22.9
Four	14.3	11.2	13.5	14.0	12.7	12.1	11.9	10.1	10.4	11.1
Five	7.7	5.0	6.2	7.5	5.7	4.7	6.1	5.1	4.7	4.6
Six or more	5.5	2.4	3.6	4.3	3.0	2.8	3.6	3.1	3.0	2.7
<b>Do you have any concern about your ability to finance your college education?</b>										
None (I am confident that I will have sufficient funds)	21.0	29.5	38.0	23.2	36.0	41.8	28.2	29.5	28.5	42.0
Some (but I probably will have enough funds)	61.4	57.8	53.5	56.5	52.6	50.5	54.0	58.5	58.7	50.6
Major (not sure I will have enough funds to complete college)	17.5	12.8	8.5	20.3	11.4	7.7	17.8	12.0	12.8	7.5

## PRE-PUBLICATION VERSION 4-19-2017

## 2016 CIRP Freshman Survey

## Weighted National Norms—Public/Private Universities and Nonsectarian 4-year Colleges by Selectivity

All Respondents	Public Universities			Private Universities			Private/Nonsectarian 4-year Colleges			
	Low	Medium	High	Medium	High	Very High	Low	Medium	High	Very High
<b>Your current religious preference</b>										
Agnostic	7.5	10.0	13.3	4.3	10.7	14.2	4.9	5.4	8.8	14.6
Atheist	6.4	8.3	9.5	2.8	6.6	10.3	3.3	4.7	7.0	10.4
Baptist	4.2	4.7	5.1	11.3	4.9	2.8	15.8	8.6	9.9	2.7
Buddhist	1.1	1.5	1.7	0.8	1.3	1.7	1.3	0.8	1.1	1.3
Church of Christ	7.1	5.1	2.4	9.1	2.7	2.1	9.7	7.5	5.2	2.6
Eastern Orthodox	1.3	0.8	0.9	1.1	1.7	1.0	0.4	0.4	0.4	0.7
Episcopalian	0.4	1.2	1.6	0.6	1.8	1.9	0.7	0.6	1.2	2.6
Hindu	0.5	1.1	3.0	0.4	1.2	3.5	0.7	0.4	0.3	1.1
Jewish	1.0	4.1	4.8	0.7	2.6	10.8	0.4	1.8	2.0	5.3
LDS (Mormon)	0.3	0.5	0.2	0.1	0.2	0.2	0.0	0.2	0.2	0.2
Lutheran	2.8	1.9	2.0	1.5	1.6	1.1	1.7	3.2	1.4	1.8
Methodist	1.1	2.2	3.7	1.5	2.9	2.2	2.9	4.5	3.2	2.4
Muslim	3.1	1.2	1.8	4.4	2.9	2.2	1.5	0.6	1.4	0.9
Presbyterian	1.0	2.1	4.2	3.2	3.1	3.5	0.8	2.0	2.0	3.9
Quaker	0.1	0.1	0.1	0.2	0.2	0.1	0.3	0.2	0.3	0.3
Roman Catholic	26.9	22.5	19.2	15.8	33.9	16.1	20.0	24.9	18.9	16.9
Seventh-day Adventist	0.5	0.4	0.2	0.4	0.2	0.2	1.0	0.3	0.4	0.2
United Church of Christ/Congregational	0.4	0.6	0.4	0.7	0.4	0.4	0.9	0.8	0.8	0.9
Other Christian	14.8	10.2	9.2	26.7	7.6	7.1	14.1	12.7	14.3	8.2
Other Religion	2.1	1.8	1.5	1.5	1.4	1.9	2.4	1.9	3.2	2.1
None	17.2	19.5	15.2	12.8	12.1	16.5	17.1	18.5	18.1	20.9
<b>Parent/Guardian 1's current religious preference</b>										
Agnostic	2.6	4.0	5.0	1.4	3.6	6.5	1.5	1.4	3.7	7.2
Atheist	2.3	3.5	4.5	1.4	3.1	5.4	1.1	1.5	3.4	6.4
Baptist	4.9	6.0	6.2	12.0	5.9	3.9	17.8	9.8	11.9	3.4
Buddhist	1.3	2.1	3.5	1.1	1.7	2.9	1.7	1.0	1.2	2.1
Church of Christ	9.4	7.1	3.5	10.1	3.9	3.2	11.5	9.2	6.4	3.9
Eastern Orthodox	1.6	1.0	1.2	1.2	2.0	1.3	0.6	0.4	0.5	0.9
Episcopalian	0.6	1.6	2.3	0.5	2.6	2.4	0.8	0.8	1.5	4.0
Hindu	0.6	1.5	4.0	0.5	1.5	5.2	0.8	0.6	0.7	1.6
Jewish	1.1	5.1	5.6	0.9	3.4	12.2	0.3	2.3	2.9	6.8
LDS (Mormon)	0.3	1.0	0.2	0.1	0.3	0.3	0.0	0.2	0.3	0.3
Lutheran	3.8	2.4	3.0	1.9	2.7	1.8	1.8	4.0	1.7	2.8
Methodist	1.8	2.8	4.6	2.0	3.9	3.1	3.4	5.2	4.0	3.3
Muslim	3.4	1.4	2.2	4.8	3.2	2.6	1.5	0.7	1.5	1.3
Presbyterian	1.2	2.7	5.3	3.5	3.8	4.5	1.5	2.4	2.8	5.3
Quaker	0.1	0.1	0.2	0.2	0.2	0.1	0.2	0.2	0.3	0.4
Roman Catholic	33.5	29.1	24.3	18.8	39.4	21.1	22.9	29.3	23.5	21.7
Seventh-day Adventist	0.6	0.5	0.2	0.5	0.3	0.2	1.2	0.4	0.5	0.2
United Church of Christ/Congregational	0.5	0.8	0.6	0.9	0.5	0.6	1.2	1.0	1.0	1.1
Other Christian	17.5	12.4	10.8	27.8	8.9	8.6	16.3	14.1	16.8	9.8
Other Religion	2.1	1.9	1.4	1.8	1.5	1.6	2.5	2.0	2.4	2.0
None	10.6	13.2	11.4	8.7	7.7	12.7	11.2	13.6	12.8	15.5

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Weighted National Norms—Public/Private Universities and Nonsectarian 4-year Colleges by Selectivity

All Respondents	Public Universities			Private Universities			Private/Nonsectarian 4-year Colleges			
	Low	Medium	High	Medium	High	Very High	Low	Medium	High	Very High
<b>Parent/Guardian 2's current religious preference</b>										
Agnostic	2.3	3.4	4.2	1.4	3.5	5.3	1.2	1.5	3.7	6.6
Atheist	2.5	3.3	4.0	1.4	2.5	5.1	1.4	1.9	3.5	6.3
Baptist	4.5	5.6	6.2	11.1	5.7	3.6	15.2	9.3	11.0	3.2
Buddhist	1.5	2.1	3.6	1.1	1.9	3.3	1.8	0.9	1.1	2.1
Church of Christ	9.4	7.1	3.6	9.5	3.8	3.2	11.5	8.5	6.3	4.2
Eastern Orthodox	1.6	1.0	1.2	1.2	2.1	1.3	0.6	0.6	0.7	1.0
Episcopalian	0.4	1.5	2.3	0.6	2.5	2.6	1.0	0.7	1.7	3.9
Hindu	0.7	1.6	4.2	0.6	1.5	5.3	0.9	0.6	0.6	1.6
Jewish	1.3	4.8	5.3	0.9	3.2	11.6	0.6	2.2	2.9	6.2
LDS (Mormon)	0.3	1.1	0.2	0.2	0.3	0.2	0.0	0.2	0.3	0.3
Lutheran	3.6	2.7	2.8	2.0	2.7	1.8	2.1	4.1	2.2	2.7
Methodist	1.6	2.8	4.9	1.7	3.6	3.2	3.2	5.3	3.7	3.2
Muslim	3.5	1.6	2.4	5.2	3.2	2.6	1.9	0.8	1.5	1.3
Presbyterian	1.4	2.7	5.4	3.6	3.7	4.6	1.3	2.2	2.9	5.1
Quaker	0.1	0.2	0.2	0.3	0.2	0.2	0.3	0.2	0.2	0.3
Roman Catholic	33.3	29.0	25.0	18.7	39.8	21.5	23.7	28.2	23.4	22.4
Seventh-day Adventist	0.5	0.4	0.2	0.3	0.4	0.1	1.1	0.2	0.5	0.2
United Church of Christ/Congregational	0.5	0.7	0.6	0.9	0.5	0.6	0.9	1.1	1.1	1.1
Other Christian	16.8	12.6	10.8	27.2	8.9	9.2	16.3	14.5	16.3	10.1
Other Religion	2.2	2.0	1.6	2.0	1.5	1.9	2.4	2.0	2.5	2.1
None	12.0	13.6	11.3	10.1	8.6	12.8	12.8	15.1	13.7	16.1
<b>What is the highest academic degree that you intend to obtain?</b>										
<b>Highest academic degree planned</b>										
None	0.4	0.3	0.2	0.8	0.5	0.3	0.9	1.0	0.6	0.4
Vocational certificate	0.1	0.0	0.0	0.1	0.1	0.0	0.2	0.2	0.2	0.1
Associate (A.A. or equivalent)	0.5	0.4	0.1	0.7	0.2	0.2	1.0	0.8	0.7	0.3
Bachelor's degree (B.A., B.S., B.D., etc.)	25.2	21.0	12.7	25.7	15.3	12.1	24.3	28.3	22.8	15.8
Master's degree (M.A., M.S., M.B.A., etc.)	39.3	40.4	39.4	39.1	40.7	41.9	37.6	38.8	42.4	42.5
J.D. (Law)	3.0	4.6	5.0	4.7	9.9	6.7	3.5	3.0	4.3	6.4
M.D., D.O., D.D.S., D.V.M., etc. (Medical)	13.0	13.7	18.9	9.0	14.2	17.1	8.9	9.3	10.0	11.3
Ph.D.	12.1	13.7	18.1	11.9	13.2	17.0	13.2	10.9	12.7	17.6
Professional Doctorate (Ed.D., Psy.D., etc.)	5.9	5.3	5.1	7.3	5.2	4.0	9.5	6.6	5.3	4.8
Other	0.5	0.6	0.4	0.7	0.7	0.7	0.9	1.0	1.0	0.8
<b>Highest academic degree planned at this institution</b>										
None	0.9	0.6	0.3	1.3	0.7	0.4	2.4	1.1	0.9	0.6
Vocational certificate	0.3	0.1	0.1	0.3	0.2	0.0	0.3	0.3	0.4	0.3
Associate (A.A. or equivalent)	3.5	1.4	0.6	2.2	1.0	0.9	4.0	2.0	1.7	1.6
Bachelor's degree (B.A., B.S., B.D., etc.)	57.2	68.5	63.9	70.3	68.1	69.6	66.9	68.4	75.0	87.4
Master's degree (M.A., M.S., M.B.A., etc.)	24.9	21.3	20.0	19.7	19.4	19.7	18.0	20.2	17.1	7.6
J.D. (Law)	0.7	1.3	1.2	1.2	2.2	1.2	0.7	0.4	0.7	0.6
M.D., D.O., D.D.S., D.V.M., etc. (Medical)	5.9	3.1	7.0	0.9	4.1	3.9	1.5	1.7	1.3	0.5
Ph.D.	3.7	2.2	4.7	1.7	2.3	2.3	2.3	2.4	1.2	0.5
Professional Doctorate (Ed.D., Psy.D., etc.)	2.3	1.1	1.9	1.4	1.5	1.4	2.2	2.5	0.8	0.2
Other	0.7	0.4	0.4	0.9	0.6	0.6	1.7	1.0	0.9	0.7

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All Respondents	Public Universities			Private Universities			Private/Nonsectarian 4-year Colleges				
	Low	Medium	High	Medium	High	Very High	Low	Medium	High	Very High	
<b>In the past year, how often have you “Frequently” or “Occasionally”:</b>											
Attended a religious service	65.9	63.8	66.7	79.6	74.1	63.7	68.5	66.1	68.0	60.9	
Been bored in class*	36.9	44.4	39.9	39.2	39.1	37.2	36.1	36.7	41.0	36.2	
Demonstrated for a cause (e.g., boycott, rally, protest)	24.0	22.0	24.6	24.2	28.4	28.6	23.9	16.7	26.1	29.0	
Tutored another student	61.7	62.7	77.6	53.3	66.0	77.3	48.1	47.3	53.6	62.8	
Studied with other students	87.7	90.0	92.3	88.4	91.6	93.4	86.3	85.9	87.3	92.1	
Consumed beer*	2.6	8.0	4.6	3.8	8.5	8.8	4.4	5.4	7.1	10.0	
Consumed wine or liquor*	2.9	8.5	5.0	4.6	9.1	9.6	5.1	5.6	7.4	10.5	
Felt overwhelmed by all I had to do*	39.9	41.8	37.3	45.0	44.3	35.7	39.9	39.4	45.9	42.7	
Felt depressed*	13.5	11.9	9.6	13.6	13.4	8.8	13.2	10.4	15.0	11.9	
Performed volunteer work	84.6	89.8	93.9	86.1	91.5	94.1	83.0	83.9	87.4	91.1	
Asked a teacher for advice after class	85.4	83.7	88.8	84.7	89.9	90.0	85.4	85.3	88.3	91.0	
Voted in a student election	62.8	67.7	72.1	63.5	68.3	76.1	57.4	57.9	65.1	69.6	
Socialized with someone of another racial/ethnic group	96.4	97.6	97.7	95.6	97.7	97.8	95.1	95.1	96.7	96.9	
Been late to class*	8.4	9.2	8.2	9.6	7.7	9.4	5.4	5.0	7.6	8.6	
Discussed religion	74.8	78.6	83.5	81.0	86.8	84.1	67.7	68.7	79.7	83.3	
Discussed politics	83.6	89.6	92.3	84.5	92.1	93.5	76.0	79.7	87.7	91.8	
Skipped school/class*	2.6	3.8	2.3	2.9	2.7	2.6	2.4	1.5	3.2	2.2	
Publicly communicated my opinion about a cause (e.g., blog, email, petition)	53.4	51.4	52.0	54.8	56.0	54.5	53.0	46.2	54.3	54.4	
Helped raise money for a cause or campaign	56.9	54.7	58.0	53.3	57.4	62.9	55.8	54.5	56.1	54.6	
Fallen asleep in class*	5.6	6.5	5.6	5.4	5.5	5.0	5.5	4.7	5.7	4.5	
Failed to complete homework on time*	5.3	5.9	3.2	4.8	4.8	3.8	5.3	4.5	7.1	4.8	
Felt anxious*	34.4	35.8	32.3	36.9	41.3	32.0	33.4	34.2	42.5	38.4	
*responses for “Frequently” only											
<b>Students rated as “A Major Strength” or “Somewhat Strong”:</b>											
Ability to see the world from someone else’s perspective	79.6	79.6	81.5	75.8	81.8	84.3	71.1	71.3	76.0	80.8	
Tolerance of others with different beliefs	81.0	82.2	87.0	76.9	85.7	87.8	74.2	76.7	79.2	83.8	
Openness to having my own views challenged	65.3	65.7	67.4	65.8	68.5	70.1	64.7	61.7	63.1	67.5	
Ability to discuss and negotiate controversial issues	71.1	74.5	74.2	70.6	75.5	76.6	66.2	66.6	69.2	72.8	
Ability to work cooperatively with diverse people	87.6	87.5	89.0	85.2	89.7	89.3	82.7	83.0	84.5	87.1	
Critical Thinking Skills	76.9	81.1	84.0	74.9	82.4	86.9	68.4	69.6	72.3	80.3	
Ability to manage your time effectively	53.7	51.2	54.9	50.0	52.5	53.6	50.6	51.8	46.3	49.3	
<b>What is the highest level of formal education obtained by Parent/Guardian 1?</b>											
Junior high/Middle school or less	7.6	2.7	2.7	3.4	2.3	1.5	5.5	3.4	3.1	1.7	
Some high school	5.9	2.7	2.0	3.7	2.2	1.3	6.8	2.8	3.2	1.6	
High school graduate	19.1	13.0	8.3	15.4	8.7	5.1	21.5	19.4	13.8	6.1	
Postsecondary school other than college	3.6	3.0	2.1	3.0	2.4	1.2	2.6	4.0	3.2	1.6	
Some college	16.5	14.0	8.4	18.3	10.3	6.3	18.9	17.0	14.3	7.5	
College degree	28.6	36.3	33.7	31.2	35.4	33.0	28.4	33.1	33.8	33.3	
Some graduate school	1.6	2.3	3.1	2.5	3.0	2.8	1.8	1.7	2.5	3.2	
Graduate degree	17.2	26.0	39.8	22.4	35.6	48.9	14.5	18.5	25.9	45.1	

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All Respondents	Public Universities			Private Universities			Private/Nonsectarian 4-year Colleges				
	Low	Medium	High	Medium	High	Very High	Low	Medium	High	Very High	
<b>What is the highest level of formal education obtained by Parent/Guardian 2?</b>											
Junior high/Middle school or less	8.8	2.5	2.9	4.1	2.4	1.6	6.1	3.4	3.2	1.7	
Some high school	6.9	3.5	2.4	4.9	3.0	1.6	6.4	3.1	3.5	1.8	
High school graduate	22.1	15.0	9.8	18.5	9.8	5.5	24.6	21.8	16.0	7.1	
Postsecondary school other than college	3.9	3.2	2.5	3.3	2.7	1.8	4.7	4.3	3.5	2.1	
Some college	17.3	15.0	9.5	18.8	12.1	8.0	17.4	16.2	14.3	8.6	
College degree	25.9	36.2	37.8	30.8	37.4	38.2	26.3	33.2	34.2	37.1	
Some graduate school	1.5	2.6	3.2	2.5	3.4	3.3	1.4	1.8	2.8	3.8	
Graduate degree	13.7	22.0	31.9	17.0	29.2	39.9	13.1	16.2	22.4	37.8	
<b>First generation in college</b>											
Yes	27.4	14.2	10.9	18.1	10.4	5.9	26.7	18.9	15.5	7.4	
No	72.6	85.8	89.1	81.9	89.6	94.1	73.3	81.1	84.5	92.6	
<b>During the past year, did you "Frequently":</b>											
Ask questions in class	47.1	49.2	55.3	49.0	58.0	64.0	47.7	48.1	52.9	61.7	
Support your opinions with a logical argument	60.0	67.2	74.4	58.6	73.0	79.8	52.3	54.2	60.8	72.7	
Seek solutions to problems and explain them to others	55.1	58.4	67.1	52.6	63.9	72.2	46.7	48.6	53.9	63.4	
Evaluate the quality or reliability of information you received	48.0	52.8	56.3	45.9	56.3	62.1	41.3	41.9	46.5	54.3	
Take a risk because you feel you have more to gain	36.8	38.2	35.3	38.8	37.8	41.8	37.0	34.3	35.9	37.9	
Seek alternative solutions to a problem	46.7	46.7	47.9	44.9	49.3	53.3	43.3	43.0	44.5	47.9	
Look up scientific research articles and resources	28.3	28.9	32.5	23.8	29.4	37.4	24.1	23.1	26.6	30.9	
Explore topics on your own, even though it is not required for a class	40.7	41.4	44.1	36.7	45.8	50.3	33.2	31.0	39.5	44.1	
Accept mistakes as part of the learning process	57.6	55.5	56.7	52.9	54.4	56.0	54.5	52.4	52.7	54.8	
Analyze multiple sources of information before coming to a conclusion	46.7	47.2	53.7	41.7	53.1	58.5	40.6	38.9	43.0	52.4	
Take on a challenge that scares you	34.6	36.5	35.0	36.1	38.3	40.4	36.0	33.8	34.7	39.1	
<b>Students who are "Absolutely" or "Very" confident</b>											
Use technical science skills (use of tools, instruments, and/or techniques)	52.1	55.2	55.1	45.3	49.0	57.1	45.1	48.5	46.1	44.5	
Generate a research question	45.4	46.4	47.5	41.9	47.1	52.8	42.4	39.3	40.9	43.5	
Determine how to collect appropriate data	52.8	54.7	55.7	47.5	53.1	58.5	47.2	46.2	45.1	47.3	
Explain the results of a study	57.6	61.6	65.9	54.6	62.9	69.3	50.8	51.1	52.4	58.7	
Use scientific literature to guide research	38.5	42.1	46.1	34.0	42.5	51.0	34.1	33.4	36.4	39.2	
Integrate results from multiple studies	50.2	53.2	58.3	45.0	55.9	62.7	41.4	43.7	45.7	51.8	
Ask relevant questions	75.1	76.5	76.7	71.3	78.1	81.2	66.2	69.7	71.4	75.1	
Identify what is known and not known about a problem	66.5	68.7	71.3	61.4	71.0	75.7	57.8	60.0	60.2	66.0	
Understand scientific concepts	53.4	58.9	65.1	43.5	54.6	68.0	43.7	46.7	49.3	53.5	
See connections between different areas of science and mathematics	52.8	59.0	64.8	43.7	53.5	65.5	44.7	47.7	48.9	52.0	

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## Weighted National Norms—Public/Private Universities and Nonsectarian 4-year Colleges by Selectivity

All Respondents	Public Universities			Private Universities			Private/Nonsectarian 4-year Colleges			
	Low	Medium	High	Medium	High	Very High	Low	Medium	High	Very High
<b>Race/Ethnicity—mark all that apply (total may add to more than 100%)</b>										
American Indian/Alaska Native	2.6	1.7	1.2	2.7	1.2	1.0	2.4	1.7	1.7	1.1
East Asian (e.g., Chinese, Japanese, Korean, Taiwanese)	3.0	5.6	15.6	7.2	7.2	18.9	2.1	4.1	3.7	11.5
Filipino	1.7	2.4	2.5	2.6	2.3	1.5	0.5	1.1	1.6	1.1
Southeast Asian (e.g., Cambodian, Vietnamese, Hmong)	1.2	1.9	3.2	1.8	1.7	2.5	1.7	0.6	1.2	1.7
South Asian (e.g., Indian, Pakistani, Nepalese, Sri Lankan)	1.8	3.0	6.2	2.6	3.9	8.0	1.2	0.9	1.5	2.9
Other Asian	0.4	0.5	0.7	0.8	0.7	1.0	0.8	0.4	0.5	0.6
Native Hawaiian/Pacific Islander	0.4	0.9	0.7	1.7	0.7	0.6	0.9	0.7	1.3	0.7
African American/Black	12.0	8.2	6.5	24.3	8.1	7.0	35.8	11.5	9.1	6.4
Mexican American/Chicano	15.8	4.7	6.0	9.5	5.4	3.4	2.0	4.7	6.2	4.1
Puerto Rican	1.4	2.7	1.0	2.5	2.4	1.4	7.8	3.8	2.4	1.7
Other Latino	5.3	8.0	3.5	6.3	5.0	6.2	8.3	4.5	4.0	4.5
White/Caucasian	65.9	76.3	64.7	57.6	74.4	63.1	49.8	76.9	80.7	76.3
Other	4.2	1.8	1.4	4.2	1.9	2.0	3.1	1.7	1.8	1.5
<b>Students “Agree Strongly” or “Agree Somewhat”:</b>										
Wealthy people should pay a larger share of taxes than they do now	74.9	68.9	71.4	69.8	67.8	71.2	78.7	69.5	72.3	74.1
Addressing global climate change should be a federal policy	80.8	81.6	87.2	77.2	84.8	89.8	80.3	76.6	79.8	87.8
The federal government should have stricter gun control laws	68.1	64.3	77.5	67.9	77.3	84.7	71.7	59.3	65.4	80.4
Affirmative action in college admissions should be abolished	51.1	50.7	52.7	52.4	49.4	50.3	54.4	48.2	47.9	45.5
The federal government should raise taxes to reduce the deficit	37.7	39.2	43.5	36.3	40.5	45.3	37.1	30.1	39.7	46.5
Sexual activity that occurs without the presence of explicit, affirmative consent (i.e., “yes means yes”) is considered sexual assault	86.6	86.0	90.5	85.6	89.7	89.3	84.8	86.2	87.6	89.8
There is little that a person can do to be better at math—you are either “good” or “bad” at math	27.0	26.6	18.4	33.5	25.7	20.2	42.0	34.9	30.5	22.2
Intelligence is something that can be improved by studying or working harder	91.5	90.0	90.3	90.4	89.8	88.2	91.0	90.5	89.2	88.7
<b>How would you characterize your political views?</b>										
Far left	4.6	3.8	4.7	3.1	5.2	5.8	4.7	2.7	6.6	8.4
Liberal	31.8	32.3	39.7	26.2	37.7	44.4	25.7	21.5	31.5	45.5
Middle-of-the-road	46.0	42.4	38.0	42.7	36.5	35.9	49.6	51.7	40.8	31.4
Conservative	15.9	19.8	16.6	25.7	18.9	13.0	17.5	21.7	19.4	13.6
Far right	1.7	1.6	1.0	2.3	1.7	0.9	2.5	2.4	1.8	1.1

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Weighted National Norms—Public/Private Universities and Nonsectarian 4-year Colleges by Selectivity

All Respondents	Public Universities			Private Universities			Private/Nonsectarian 4-year Colleges			
	Low	Medium	High	Medium	High	Very High	Low	Medium	High	Very High
<b>The following reasons were "Very Important" in deciding to go to college:</b>										
To be able to get a better job	85.4	85.1	85.9	80.7	87.0	84.7	87.7	85.8	83.5	76.4
To gain a general education and appreciation of ideas	74.3	72.5	77.0	76.7	78.6	81.1	78.0	74.1	77.4	83.9
To make me a more cultured person	46.5	48.2	54.9	59.5	62.0	62.8	56.4	47.0	55.2	63.5
To be able to make more money	74.2	75.6	67.3	70.2	70.1	65.1	81.0	76.4	70.9	58.8
To learn more about things that interest me	83.8	82.8	85.7	84.5	86.1	88.4	84.6	81.5	84.5	89.1
To get training for a specific career	81.8	77.5	71.2	80.3	73.7	65.4	84.7	82.4	73.1	54.6
To prepare myself for graduate or professional school	64.3	61.8	64.1	60.7	63.4	59.3	68.3	58.6	60.6	56.3
To please my family	35.7	30.6	25.9	39.3	32.3	24.8	49.8	34.0	31.9	24.9
<b>During your last year in high school, how much time did you spend during a typical week doing the following activities?</b>										
<b>Studying/homework</b>										
None	2.1	2.0	0.8	1.6	1.0	0.7	3.0	2.3	2.5	0.7
Less than one hour	9.9	7.7	4.3	7.3	4.2	2.5	8.8	9.8	8.2	3.5
1 to 2 hours	20.2	18.0	10.6	20.1	13.0	7.3	26.9	22.8	18.0	9.9
3 to 5 hours	27.6	27.5	22.6	29.3	25.5	18.8	30.9	29.7	29.1	22.0
6 to 10 hours	20.4	22.7	25.8	21.0	24.5	24.5	17.7	20.0	22.2	25.9
11 to 15 hours	10.1	11.4	16.7	9.8	16.1	20.1	6.9	8.5	11.0	17.6
16 to 20 hours	5.5	6.0	10.3	5.8	8.6	13.5	3.4	4.0	5.1	11.3
Over 20 hours	4.2	4.7	8.9	5.0	7.0	12.5	2.4	3.0	3.9	9.1
<b>Socializing with friends</b>										
None	0.9	0.7	0.4	0.8	0.6	0.6	1.3	0.7	1.1	0.4
Less than one hour	3.0	2.3	2.1	2.3	2.2	1.6	3.2	2.5	2.9	1.9
1 to 2 hours	13.1	10.1	10.6	11.2	9.3	7.6	12.1	11.1	10.6	9.2
3 to 5 hours	27.7	25.3	27.2	24.5	24.9	24.5	25.9	25.7	26.1	25.0
6 to 10 hours	25.4	27.4	30.0	25.9	29.1	30.4	24.9	25.4	26.8	29.6
11 to 15 hours	13.8	15.7	15.8	14.4	16.0	17.8	14.2	14.9	15.4	16.4
16 to 20 hours	7.1	8.3	6.8	8.4	8.1	8.7	7.7	8.0	7.8	9.1
Over 20 hours	8.9	10.3	7.1	12.5	9.8	8.8	10.8	11.7	9.2	8.5
<b>Online social networks (Facebook, Twitter, etc.)</b>										
None	4.8	5.0	3.2	3.3	3.3	3.2	2.9	3.0	4.1	3.6
Less than one hour	8.4	8.1	8.0	7.5	7.4	6.4	10.8	7.3	7.8	7.8
1 to 2 hours	19.9	19.2	20.4	18.9	19.1	18.6	19.4	19.0	20.5	20.3
3 to 5 hours	25.0	27.0	30.6	25.4	28.4	30.1	24.4	27.7	27.8	29.7
6 to 10 hours	18.9	19.5	20.2	20.4	20.5	21.9	19.0	20.1	19.3	21.0
11 to 15 hours	10.6	9.5	9.1	10.5	9.8	10.4	9.7	9.5	9.1	9.3
16 to 20 hours	5.6	5.4	4.1	5.9	5.4	4.8	5.8	5.4	5.1	4.1
Over 20 hours	6.7	6.4	4.4	8.0	6.1	4.7	8.0	8.0	6.3	4.2
<b>Partying</b>										
None	45.8	36.1	42.1	41.6	36.5	32.3	34.0	37.0	41.3	37.2
Less than one hour	17.5	16.9	19.7	15.4	18.3	17.8	16.8	16.2	16.5	17.6
1 to 2 hours	17.3	17.5	17.5	17.4	18.2	18.3	20.2	18.0	16.8	17.9
3 to 5 hours	12.5	17.0	13.8	14.9	16.3	19.8	16.9	16.8	14.4	17.3
6 to 10 hours	4.0	7.7	5.0	6.0	7.1	7.9	7.2	7.5	6.9	7.0
11 to 15 hours	1.6	2.8	1.2	2.4	2.2	2.6	2.9	2.5	2.1	1.9
16 to 20 hours	0.7	0.9	0.3	1.1	0.9	0.6	1.0	1.0	1.1	0.7
Over 20 hours	0.6	1.1	0.3	1.3	0.6	0.6	1.1	0.9	1.0	0.5

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	Low	Medium	High	Medium	High	Very High	Low	Medium	High	Very High
<b>During your last year in high school, how much time did you spend during a typical week doing the following activities?</b>										
<b>Student clubs/groups</b>										
None	25.0	19.5	7.7	22.0	11.3	6.5	23.5	21.2	18.0	11.7
Less than one hour	11.3	12.2	9.3	11.6	9.1	7.5	12.7	12.3	11.3	10.4
1 to 2 hours	22.8	23.3	26.0	22.6	23.9	23.5	24.8	24.4	24.4	25.1
3 to 5 hours	19.6	20.6	28.1	21.5	24.9	30.3	18.6	20.3	22.2	25.0
6 to 10 hours	10.1	11.7	15.8	10.6	15.6	18.0	9.9	10.6	11.9	14.8
11 to 15 hours	5.3	5.9	6.8	5.5	7.8	7.7	4.8	5.5	6.4	6.8
16 to 20 hours	2.5	2.8	3.3	2.9	4.0	3.0	2.6	2.4	2.8	3.3
Over 20 hours	3.4	3.8	3.0	3.3	3.5	3.6	3.1	3.3	3.0	2.9
<b>Exercise or sports</b>										
None	11.3	8.8	6.2	11.1	7.4	5.4	12.4	7.5	9.2	6.1
Less than one hour	10.3	8.1	8.1	8.9	7.8	6.7	8.4	7.5	8.3	7.5
1 to 2 hours	16.7	13.9	14.1	16.0	14.5	12.9	15.2	13.0	13.3	12.5
3 to 5 hours	18.7	19.2	19.6	18.8	20.0	21.3	16.6	15.0	16.0	16.9
6 to 10 hours	18.2	19.7	21.3	17.0	19.2	23.1	14.2	16.8	17.6	20.4
11 to 15 hours	11.3	14.3	15.8	11.7	14.1	15.8	12.6	14.8	14.9	17.3
16 to 20 hours	6.0	7.6	7.4	7.0	8.3	7.8	8.5	11.7	9.2	9.9
Over 20 hours	7.6	8.5	7.4	9.5	8.6	7.0	12.1	13.8	11.6	9.3
<b>Working (for pay)</b>										
None	38.9	38.0	51.9	41.1	47.3	54.7	36.6	30.0	36.1	51.5
Less than one hour	2.3	3.4	4.3	3.6	4.2	4.3	3.5	2.9	3.5	5.0
1 to 2 hours	3.7	4.6	6.0	4.6	5.1	6.6	4.4	4.7	5.4	6.6
3 to 5 hours	7.3	8.2	8.8	9.4	8.9	10.3	9.4	8.8	10.3	9.9
6 to 10 hours	11.2	12.0	10.4	11.4	11.3	9.5	12.3	14.1	13.5	10.4
11 to 15 hours	10.8	11.3	8.0	10.0	8.9	6.7	10.2	12.3	11.3	7.2
16 to 20 hours	11.9	10.2	5.7	8.8	7.3	4.6	10.0	12.3	8.1	4.9
Over 20 hours	13.9	12.2	4.8	11.0	7.0	3.3	13.6	15.0	11.8	4.4
<b>Household/childcare duties</b>										
None	16.1	22.4	22.2	23.7	26.4	27.6	28.0	23.8	23.4	30.0
Less than one hour	15.1	16.9	20.7	14.7	17.9	19.9	16.8	16.2	16.9	19.3
1 to 2 hours	28.6	28.1	30.5	26.4	28.0	28.6	22.2	26.0	26.9	26.7
3 to 5 hours	22.6	19.9	17.4	19.4	16.6	15.8	16.2	20.7	18.8	15.9
6 to 10 hours	9.5	6.8	5.6	8.7	6.6	5.1	8.9	7.1	7.9	5.2
11 to 15 hours	3.5	2.8	1.8	3.1	2.1	1.5	2.8	2.8	2.6	1.3
16 to 20 hours	1.8	1.3	0.7	1.5	1.1	0.7	1.7	1.8	1.2	0.6
Over 20 hours	2.8	1.8	1.1	2.5	1.4	0.8	3.2	1.7	2.3	1.0

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All Respondents	Public Universities			Private Universities			Private/Nonsectarian 4-year Colleges			
	Low	Medium	High	Medium	High	Very High	Low	Medium	High	Very High
<b>The following reasons were "Very Important" in deciding to go to this particular college:</b>										
My parents/relatives wanted me to come here	15.2	16.2	14.3	18.2	16.6	11.5	22.2	13.5	15.1	11.8
My teacher advised me	7.0	6.0	5.4	7.2	6.7	5.2	11.2	6.4	8.6	7.2
This college has a very good academic reputation	57.9	61.8	85.9	54.1	74.1	80.1	52.2	61.3	62.5	75.8
This college has a good reputation for its social and extracurricular activities	41.6	54.7	57.1	47.9	48.0	60.0	48.6	47.2	50.8	53.7
I was offered financial assistance	53.5	38.4	29.4	58.7	55.7	46.2	71.2	63.3	67.7	48.6
The cost of attending this college	59.4	56.3	34.8	37.5	31.2	31.8	52.4	42.6	43.5	29.9
High school counselor advised me	10.0	9.1	6.9	10.0	10.4	9.0	15.6	8.5	13.2	12.3
Private college counselor advised me	3.4	3.4	2.9	6.7	6.3	7.0	9.3	5.0	7.8	8.1
I wanted to live near home	31.9	15.8	10.5	23.5	18.0	6.2	26.0	19.7	17.4	7.8
Not offered aid by first choice	12.7	14.3	8.1	13.8	11.7	7.2	17.2	10.3	12.0	7.8
Could not afford first choice	17.9	19.9	9.3	14.5	10.9	6.9	20.6	12.9	13.8	7.9
This college's graduates gain admission to top graduate/professional schools	27.2	29.0	51.5	28.4	43.8	46.4	28.4	30.5	32.1	41.3
This college's graduates get good jobs	46.7	49.6	69.6	50.8	66.0	71.3	48.5	57.4	53.3	58.0
I was attracted by the religious affiliation/orientation of this college	3.6	3.1	2.4	32.4	12.7	3.2	11.2	6.2	11.0	5.2
I wanted to go to a school about the size of this college	29.3	33.6	28.7	45.8	49.6	39.2	44.1	50.1	52.6	58.3
Rankings in national magazines	10.0	19.0	36.0	13.7	25.7	35.8	13.1	9.8	13.7	26.3
I was admitted through an Early Action or Early Decision program	9.1	17.0	20.9	18.3	24.4	28.2	15.1	16.5	19.0	35.0
A visit to this campus	38.4	42.6	46.4	49.5	59.6	54.1	51.3	57.5	59.7	63.1
This college's graduates make a difference in the world	29.5	30.0	51.6	43.4	50.3	54.2	36.5	32.3	42.5	51.5
<b>Students rated as "Highest 10%" or "Above Average" as compared with the average person their age:</b>										
Academic ability	68.0	79.6	90.0	63.6	81.5	91.3	54.6	62.4	66.0	80.6
Artistic ability	30.1	29.5	28.1	34.3	31.5	35.7	29.8	25.5	31.0	35.1
Compassion	71.8	68.7	68.9	73.2	74.0	71.0	66.6	67.7	70.5	71.9
Creativity	52.5	52.4	48.4	56.5	53.7	56.8	53.0	48.3	51.9	55.4
Drive to achieve	75.0	75.2	82.8	75.1	78.1	83.2	74.9	74.6	70.6	75.4
Emotional health	46.0	47.7	49.7	48.4	45.1	49.4	47.4	45.8	41.8	44.4
Leadership ability	61.6	63.2	65.6	64.8	66.3	69.7	59.5	59.9	58.9	63.8
Mathematical ability	45.2	52.2	67.4	37.9	47.0	68.2	35.4	40.8	38.0	47.0
Physical health	48.3	55.3	55.4	52.3	52.0	57.2	55.5	54.0	51.4	55.7
Public speaking ability	37.6	41.2	44.3	43.6	47.0	51.3	37.2	33.5	39.3	45.2
Risk-taking	45.7	45.2	39.8	47.0	43.6	47.2	46.2	42.2	41.2	41.0
Self-confidence (intellectual)	59.0	62.1	66.2	57.1	61.4	69.9	56.0	53.3	52.8	58.5
Self-confidence (social)	46.4	45.7	43.0	50.0	44.3	46.1	49.9	43.7	41.5	41.9
Spirituality	35.3	31.0	31.0	48.0	35.0	29.4	39.7	32.9	33.4	28.1
Understanding of others	75.9	73.1	73.7	74.6	76.0	76.1	70.6	69.5	70.3	74.3
Writing ability	48.0	49.5	54.2	50.5	56.4	62.7	42.2	39.1	44.3	55.7

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All Respondents	Public Universities			Private Universities			Private/Nonsectarian 4-year Colleges			
	Low	Medium	High	Medium	High	Very High	Low	Medium	High	Very High
<b>Military Status:</b>										
None	98.9	98.8	99.0	99.3	98.9	99.3	98.8	98.0	99.5	99.6
ROTC, cadet, or midshipman at a service academy	0.8	0.9	0.9	0.4	0.9	0.6	0.8	1.6	0.4	0.3
In the Reserves or National Guard	0.2	0.2	0.1	0.2	0.1	0.0	0.1	0.2	0.1	0.1
On Active Duty	0.0	0.0	0.0	0.1	0.1	0.0	0.1	0.1	0.0	0.0
A discharged veteran NOT serving in Active Duty, Reserves, or National Guard	0.1	0.1	0.0	0.0	0.1	0.0	0.2	0.1	0.0	0.1
<b>How many years do you expect it will take you to graduate from this college?</b>										
1	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.2	0.1	0.1
2	0.5	1.0	0.3	0.9	0.3	0.0	1.0	0.7	0.4	0.1
3	2.7	4.3	2.8	4.7	3.2	1.1	2.4	3.1	2.1	1.4
4	81.4	87.0	91.6	84.3	90.4	82.2	85.8	86.0	91.0	96.3
5	9.1	5.4	3.3	6.2	4.1	15.0	4.0	4.1	3.7	1.5
6 or more	4.1	1.4	1.8	1.8	1.3	1.5	3.4	4.8	2.0	0.3
Do not plan to graduate from this college	2.1	0.9	0.2	2.2	0.7	0.2	3.2	1.1	0.8	0.4
<b>What is your sexual orientation?</b>										
Heterosexual/Straight	90.6	91.4	92.7	93.5	90.4	90.8	91.1	93.0	86.8	87.6
Gay	1.3	1.3	1.5	1.4	1.9	1.9	1.5	0.7	1.0	1.9
Lesbian	0.8	0.6	0.4	0.5	0.5	0.5	0.7	0.8	1.3	0.8
Bisexual	5.2	4.4	3.6	3.1	5.2	4.6	4.5	3.6	6.1	6.2
Queer	0.5	0.6	0.6	0.4	0.7	0.7	0.6	0.3	1.6	1.5
Other	1.6	1.6	1.4	1.2	1.3	1.5	1.6	1.7	3.1	2.0
<b>Do you identify as transgender?</b>										
Yes	0.5	0.5	0.3	0.4	0.3	0.3	0.8	0.3	0.8	0.6
No	99.5	99.5	99.7	99.6	99.7	99.7	99.2	99.7	99.2	99.4
<b>Students with disabilities or medical conditions</b>										
Learning Disability (dyslexia, etc.)	2.7	2.6	1.4	3.8	3.3	2.6	7.0	4.0	6.3	5.3
Attention deficit hyperactivity disorder (ADHD)	6.6	6.4	3.5	7.3	7.2	6.4	11.2	7.8	9.9	8.5
Autism spectrum disorder	0.8	0.7	0.3	0.6	0.5	0.4	1.0	0.7	1.1	0.6
Physical disability (speech, sight, mobility, hearing, etc.)	5.1	5.2	3.9	5.3	3.9	3.6	6.3	4.6	5.3	3.9
Chronic illness (cancer, diabetes, autoimmune disorders, etc.)	3.0	2.7	2.4	2.4	3.2	2.6	2.7	3.0	3.6	2.9
Psychological disorder (depression, etc.)	13.0	11.2	8.6	10.6	14.3	10.0	11.5	11.0	16.5	14.6
Other	5.5	4.8	3.6	5.4	5.0	3.4	7.1	5.2	6.9	4.4
<b>Will you pursue a science-related research career?</b>										
Definitely yes	17.6	19.3	19.0	13.6	12.8	14.3	17.3	15.3	13.5	10.1
Probably yes	21.0	21.6	27.4	13.5	14.3	23.1	16.5	18.3	17.0	18.8
Uncertain	23.8	21.8	21.9	17.3	18.1	21.4	19.3	22.3	21.1	21.2
Probably no	23.0	22.6	21.6	26.8	28.0	25.4	23.1	25.1	27.9	29.7
Definitely no	14.6	14.8	10.1	28.8	26.7	15.9	23.8	19.0	20.5	20.1
<b>Students who "Strongly Agree" or "Agree Somewhat"</b>										
I have a strong sense of belonging to a community of scientists	28.4	29.9	36.8	21.6	24.0	33.9	25.3	24.3	25.0	24.7
I derive great personal satisfaction from working on a team that is doing important research	51.8	52.4	63.1	40.9	49.7	60.8	43.3	44.9	45.7	49.1
I think of myself as a scientist	21.0	24.7	31.9	15.3	19.2	30.7	18.4	16.6	18.7	20.1
I feel like I belong in the field of science	37.3	40.9	50.6	25.4	30.7	43.6	29.8	32.4	30.5	30.5

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<b>Objectives considered to be "Essential" or "Very Important":</b>										
Becoming accomplished in one of the performing arts (acting, dancing, etc.)	16.7	14.6	13.7	23.8	17.7	17.8	22.5	13.3	19.2	19.0
Becoming an authority in my field	55.0	58.4	60.3	61.6	63.8	65.8	62.7	57.9	55.7	56.7
Obtaining recognition from my colleagues for contributions to my special field	55.8	58.6	58.1	56.5	61.6	62.0	60.8	57.2	55.1	56.3
Influencing the political structure	25.7	26.3	25.6	31.0	35.3	28.6	31.8	21.4	28.1	29.8
Influencing social values	49.4	45.3	45.1	58.1	56.9	50.7	51.5	43.6	50.2	52.7
Raising a family	71.5	69.8	68.9	76.0	70.7	67.8	74.2	73.3	69.0	66.6
Being very well off financially	85.2	84.0	80.5	79.9	80.7	79.4	84.0	85.8	76.8	72.0
Helping others who are in difficulty	78.7	75.0	79.1	80.3	81.9	78.3	76.9	74.3	76.9	78.3
Making a theoretical contribution to science	27.8	29.8	32.0	24.2	23.8	28.3	28.6	24.0	24.3	21.7
Writing original works (poems, novels, etc.)	17.6	16.8	14.4	24.9	19.7	17.7	26.8	15.0	21.7	22.1
Creating artistic works (painting, sculpture, etc.)	17.4	15.8	12.3	23.5	16.1	17.1	24.1	15.6	20.8	20.1
Becoming successful in a business of my own	40.1	39.4	35.5	50.4	40.5	43.4	53.3	41.1	40.7	37.2
Becoming involved in programs to clean up the environment	33.9	33.3	33.6	33.9	34.9	37.2	41.6	30.3	35.4	36.9
Developing a meaningful philosophy of life	45.1	45.5	50.8	50.8	54.3	57.7	45.6	39.6	46.5	55.8
Participating in a community action program	35.7	33.0	38.0	42.7	43.8	42.8	42.8	29.0	36.5	39.1
Helping to promote racial understanding	47.5	42.9	47.7	54.2	53.2	51.1	54.5	40.8	49.6	52.2
Keeping up to date with political affairs	43.6	47.1	53.1	46.6	57.6	58.2	40.5	34.7	44.7	55.8
Becoming a community leader	41.5	39.8	47.5	48.3	51.5	51.2	45.9	38.2	43.7	46.4
Improving my understanding of other countries and cultures	56.2	56.6	67.6	64.2	72.2	72.3	55.0	50.0	60.5	70.7
Integrating spirituality into my life	38.8	34.5	37.4	62.2	45.9	34.5	48.4	37.0	42.5	35.4
<b>Students estimate "Very Good Chance" that they will:</b>										
Change major field	11.4	14.1	15.0	10.2	12.4	14.3	7.3	6.9	11.8	15.6
Change career choice	10.6	13.9	16.7	11.0	13.7	17.4	7.1	7.7	12.1	20.3
Participate in student government	7.7	7.7	8.2	10.5	9.4	10.5	9.1	6.0	7.8	8.1
Get a job to help pay for college expenses	64.9	52.6	43.1	56.1	43.4	40.2	48.2	50.5	48.2	44.9
Join a social fraternity or sorority	8.2	17.3	13.5	12.4	14.1	20.4	11.0	9.8	8.3	11.5
Transfer to another college before graduating	6.9	4.6	2.1	7.7	3.3	2.1	9.7	4.3	4.2	2.8
Participate in volunteer or community service work	33.6	32.8	45.8	41.6	45.8	50.9	33.0	25.8	37.6	42.1
Seek personal counseling	15.4	11.8	14.3	16.7	15.7	14.2	15.4	9.6	16.4	16.1
Communicate regularly with your professors	45.6	43.2	53.7	47.8	57.5	61.7	45.3	46.6	50.6	63.6
Participate in student clubs/groups	44.6	50.1	67.8	43.7	62.9	74.0	42.2	42.6	47.6	66.2
Participate in a study abroad program	25.7	31.0	43.6	36.9	48.5	52.4	26.6	27.4	41.6	56.9
Work on a professor's research project	22.4	21.9	31.8	20.2	23.4	37.5	24.9	19.7	19.9	27.3
Get tutoring help in specific courses	36.2	34.0	32.3	32.9	35.4	29.8	38.1	30.5	34.7	32.0
Take courses from more than one college simultaneously	6.3	7.1	5.4	8.4	4.9	7.5	7.6	4.5	6.2	6.9
Take a leave of absence from this college temporarily	1.5	1.9	1.2	3.8	1.5	1.6	4.3	1.8	2.1	1.4
Take a course exclusively online	6.6	5.8	2.5	6.5	3.0	2.6	6.4	4.8	4.4	1.8
Vote in a local, state, or national election	61.8	66.8	72.7	57.0	70.5	67.8	45.9	49.6	59.0	68.9

## PRE-PUBLICATION VERSION 4-19-2017

## 2016 CIRP Freshman Survey

## Weighted National Norms—Public/Private Universities and Nonsectarian 4-year Colleges by Selectivity

All Respondents	Public Universities			Private Universities			Private/Nonsectarian 4-year Colleges				
	Low	Medium	High	Medium	High	Very High	Low	Medium	High	Very High	
<b>CIRP Construct: Habits of Mind</b>											
High	34.0	30.0	22.8	37.6	25.5	18.3	42.2	41.3	34.7	25.0	
Average	43.0	45.2	49.6	40.2	46.2	46.0	35.4	40.0	43.3	47.1	
Low	23.0	24.8	27.6	22.2	28.3	35.8	22.4	18.7	22.0	27.9	
Mean	48.77	49.43	50.72	48.25	50.57	52.39	47.68	47.34	48.68	50.64	
<b>CIRP Construct: Academic Self-Concept</b>											
High	0.3	0.2	0.1	0.4	0.2	0.1	0.4	0.4	0.3	0.2	
Average	0.5	0.5	0.5	0.5	0.5	0.4	0.4	0.5	0.5	0.5	
Low	0.2	0.3	0.4	0.2	0.3	0.5	0.2	0.2	0.2	0.3	
Mean	49.51	51.01	54.32	48.48	51.17	55.28	47.45	48.13	48.09	50.95	
<b>CIRP Construct: Social Self-Concept</b>											
High	0.3	0.3	0.3	0.3	0.3	0.2	0.3	0.4	0.4	0.3	
Average	0.4	0.4	0.4	0.4	0.4	0.5	0.4	0.4	0.4	0.5	
Low	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.2	0.2	0.2	
Mean	49.90	50.14	50.38	51.03	50.79	51.55	50.07	49.26	49.34	50.12	
<b>CIRP Construct: Pluralistic Orientation</b>											
High	0.2	0.2	0.2	0.3	0.2	0.2	0.3	0.3	0.3	0.2	
Average	0.4	0.4	0.5	0.4	0.5	0.5	0.4	0.4	0.4	0.5	
Low	0.3	0.3	0.3	0.3	0.3	0.4	0.3	0.3	0.3	0.3	
Mean	50.55	50.64	50.85	50.07	51.39	51.65	49.40	48.89	49.85	50.40	
<b>CIRP Construct: Social Agency</b>											
High	0.2	0.3	0.2	0.2	0.2	0.2	0.2	0.3	0.2	0.2	
Average	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.5	0.4	0.4	
Low	0.3	0.3	0.4	0.4	0.4	0.4	0.4	0.3	0.4	0.4	
Mean	51.46	50.79	52.19	53.58	53.93	53.31	52.92	49.87	52.04	52.83	
<b>CIRP Construct: Civic Engagement</b>											
High	0.2	0.2	0.2	0.2	0.1	0.1	0.2	0.3	0.2	0.1	
Average	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	
Low	0.4	0.4	0.4	0.4	0.5	0.5	0.4	0.3	0.4	0.5	
Mean	52.83	52.63	53.52	53.44	54.77	54.87	52.73	50.90	53.21	54.00	
<b>CIRP Construct: College Reputation Orientation</b>											
High	0.4	0.4	0.2	0.4	0.2	0.2	0.4	0.3	0.3	0.3	
Average	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	
Low	0.2	0.3	0.5	0.3	0.4	0.4	0.2	0.3	0.3	0.4	
Mean	48.33	48.97	53.52	48.72	52.16	53.10	48.50	49.87	49.62	51.14	
<b>CIRP Construct: Likelihood of College Involvement</b>											
High	0.3	0.3	0.1	0.3	0.2	0.1	0.4	0.4	0.3	0.1	
Average	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	
Low	0.2	0.3	0.5	0.3	0.4	0.5	0.2	0.2	0.3	0.5	
Mean	48.51	49.22	52.90	49.34	52.34	54.25	47.99	47.85	49.96	52.95	
<b>CIRP Construct: Science Self-Efficacy</b>											
High	0.3	0.2	0.2	0.3	0.2	0.2	0.4	0.3	0.3	0.3	
Average	0.5	0.5	0.5	0.4	0.5	0.5	0.4	0.5	0.5	0.5	
Low	0.3	0.3	0.3	0.2	0.3	0.4	0.2	0.2	0.2	0.2	
Mean	50.57	51.34	52.04	49.20	51.21	53.25	49.05	49.00	49.27	50.08	
<b>CIRP Construct: Science Identity</b>											
High	0.3	0.3	0.2	0.4	0.4	0.2	0.3	0.3	0.3	0.3	
Average	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	
Low	0.3	0.4	0.5	0.2	0.3	0.4	0.3	0.3	0.3	0.3	
Mean	50.63	51.22	53.32	47.90	48.74	52.13	49.28	49.59	49.62	49.25	

## **2016 National Norms**

**First-Time, Full-Time Freshmen  
by Institutional Type and Selectivity  
Public, Catholic, and Other Religious  
Four-Year Colleges**



PRE-PUBLICATION VERSION 4-19-2017

2016 CIRP Freshman Survey

Weighted National Norms—Public, Catholic, and Other Religious 4-year Colleges by Selectivity

All Respondents	Public 4-year Colleges			Catholic 4-year Colleges			Other Religious 4-year Colleges			
	Low	Medium	High	Low	Medium	High	Very Low	Low	Medium	High
<b>First-time Full-time Freshmen</b>	12,317	9,913	8,810	2,819	2,223	5,355	2,316	2,480	3,550	7,867
<b>Is English your primary language?</b>										
Yes	92.1	91.2	94.8	94.7	93.5	96.8	95.9	96.0	94.1	96.4
No	7.9	8.8	5.2	5.3	6.5	3.2	4.1	4.0	5.9	3.6
<b>In what year did you graduate from high school?</b>										
2016	97.7	98.9	94.8	98.4	98.8	99.1	96.4	97.1	97.5	97.9
2015	1.7	0.8	3.8	1.1	1.0	0.8	2.4	1.7	1.9	1.8
2014 or earlier	0.6	0.3	1.2	0.5	0.2	0.1	1.1	1.0	0.5	0.3
Did not graduate but passed G.E.D. test	0.1	0.0	0.1	0.0	0.1	0.0	0.1	0.3	0.1	0.0
<b>Are you enrolled (or enrolling) as a:</b>										
Full-time student	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Part-time student	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
<b>How many miles is this college from your permanent home?</b>										
5 or less	11.6	12.1	3.4	12.3	11.8	2.9	5.3	5.2	5.4	2.9
6 to 10	15.6	17.3	6.4	16.0	18.0	4.7	4.3	4.2	7.5	3.0
11 to 50	40.6	35.3	27.2	38.0	34.8	21.2	25.9	17.9	24.8	15.8
51 to 100	13.1	11.6	13.3	13.4	14.9	15.5	18.0	17.0	15.6	12.3
101 to 500	13.7	17.9	26.4	9.7	14.8	34.5	32.0	33.4	28.2	35.0
Over 500	5.4	5.8	23.3	10.6	5.7	21.2	14.5	22.3	18.5	31.0
<b>What was your average grade in high school?</b>										
A or A+	10.7	16.1	31.1	15.6	20.6	32.4	18.3	26.5	27.2	36.2
A-	15.5	22.6	26.9	18.8	25.4	31.7	17.3	21.8	24.9	31.4
B+	24.3	25.6	19.5	25.7	25.5	21.6	20.3	18.4	19.7	17.3
B	31.3	27.0	16.7	23.9	20.4	11.2	20.7	18.7	18.4	11.2
B-	10.5	6.5	4.2	9.6	5.8	2.3	11.2	6.8	6.9	2.7
C+	5.5	1.6	1.0	5.1	1.8	0.5	8.2	5.0	1.8	0.9
C	2.1	0.6	0.5	1.3	0.4	0.2	4.0	2.8	1.0	0.3
D	0.1	0.0	0.0	0.1	0.0	0.0	0.0	0.1	0.0	0.0
<b>Prior to this term, have you ever taken courses for credit at this institution?</b>										
Yes	10.6	4.8	6.4	5.4	6.7	4.6	5.4	11.8	6.4	5.4
No	89.4	95.2	93.6	94.6	93.3	95.4	94.6	88.2	93.6	94.6
<b>Since leaving high school, have you ever taken courses, whether for credit or not for credit, at any other institution (university, 4- or 2-year college, technical, vocational, or business school)?</b>										
Yes	15.0	10.8	10.2	10.9	9.8	10.6	11.6	13.8	13.2	14.8
No	85.0	89.2	89.8	89.1	90.2	89.4	88.4	86.2	86.8	85.2
<b>Where do you plan to live during the fall term?</b>										
With my family or other relatives	48.9	44.6	17.7	32.2	40.3	6.9	15.1	10.8	12.2	4.3
Other private home, apartment, or room	3.8	1.8	1.8	2.1	1.0	0.2	1.0	1.5	0.9	0.4
College residence hall	37.8	51.6	78.5	64.4	58.2	92.1	80.4	85.4	86.2	94.2
Fraternity or sorority house	0.1	0.1	0.1	0.0	0.0	0.1	0.1	0.1	0.0	0.1
Other campus student housing	8.7	1.6	1.6	1.0	0.2	0.5	3.0	1.7	0.5	0.9
Other	0.8	0.3	0.3	0.3	0.2	0.2	0.5	0.5	0.2	0.1

## PRE-PUBLICATION VERSION 4-19-2017

## 2016 CIRP Freshman Survey

## Weighted National Norms—Public, Catholic, and Other Religious 4-year Colleges by Selectivity

All Respondents	Public 4-year Colleges			Catholic 4-year Colleges			Other Religious 4-year Colleges			
	Low	Medium	High	Low	Medium	High	Very Low	Low	Medium	High
<b>To how many colleges other than this one did you apply for admission this year?</b>										
None	9.3	10.0	14.0	7.0	9.4	8.6	15.5	15.8	15.5	11.9
1	6.7	8.2	9.0	4.5	6.2	5.9	10.3	9.2	11.2	8.0
2	9.7	11.4	10.5	8.4	9.1	8.4	12.3	15.4	14.8	11.3
3	18.2	16.9	14.7	12.4	12.2	11.8	15.9	19.4	17.1	13.4
4	16.3	13.2	12.4	13.9	12.7	10.8	14.3	13.4	12.7	10.5
5	9.8	10.4	10.5	12.5	11.8	11.3	9.9	10.1	9.8	9.1
6	7.2	8.4	7.1	10.3	11.2	10.1	7.5	5.2	5.5	7.9
7 to 8	13.5	12.0	11.6	13.7	12.5	15.4	8.2	6.0	6.4	12.0
9 to 10	5.3	5.6	5.6	8.5	8.6	9.2	2.9	2.6	3.5	8.1
11 or more	4.1	3.7	4.5	8.9	6.3	8.5	3.2	2.9	3.3	7.7
<b>Were you accepted by your first choice college?</b>										
Yes	65.3	73.9	79.8	76.7	86.6	79.2	77.3	91.3	88.2	82.5
No	34.7	26.1	20.2	23.3	13.4	20.8	22.7	8.7	11.8	17.5
<b>Is this college your:</b>										
First choice	41.4	54.5	66.2	47.3	55.9	63.2	51.5	64.7	68.0	68.9
Second choice	34.8	30.1	22.0	32.6	29.8	24.2	28.5	22.9	21.7	19.9
Third choice	15.0	10.1	7.7	13.4	9.6	8.1	12.2	7.5	7.0	7.2
Less than third choice	8.9	5.2	4.0	6.7	4.7	4.5	7.8	4.9	3.4	4.0
<b>Citizenship status:</b>										
U.S. citizen	95.4	95.1	97.6	96.7	96.8	97.2	96.8	95.9	95.7	95.9
Permanent resident (green card)	2.2	3.2	1.3	2.2	1.5	0.7	0.8	0.8	1.0	1.0
International student (F-1, J-1, or M-1 visa)	0.5	0.3	0.4	0.8	0.7	1.5	2.0	3.0	2.2	2.9
None of the above	1.9	1.4	0.6	0.3	1.0	0.7	0.4	0.3	1.1	0.2
<b>Please mark the sex of your parent(s) or guardian(s).</b>										
<b>Parent/Guardian 1</b>										
Female	52.5	46.8	36.6	58.0	46.3	35.8	46.2	43.4	39.8	37.2
Male	47.5	53.2	63.4	42.0	53.7	64.2	53.8	56.6	60.2	62.8
<b>Parent/Guardian 2</b>										
Female	55.6	59.2	66.9	47.2	57.2	66.1	60.0	62.3	63.9	65.4
Male	44.4	40.8	33.1	52.8	42.8	33.9	40.0	37.7	36.1	34.6
<b>Please mark which of the following courses you have completed:</b>										
Algebra II	98.0	98.4	98.6	97.2	97.8	98.7	94.6	95.8	97.5	98.0
Pre-calculus/Trigonometry	74.0	76.3	87.4	75.3	84.1	88.6	65.3	68.7	75.8	85.7
Probability & Statistics	31.1	31.5	31.7	28.3	30.9	33.6	30.0	28.9	39.1	36.9
Calculus	16.9	21.9	41.5	18.0	25.6	40.0	18.8	18.0	26.2	38.2
AP Probability & Statistics	15.3	14.8	20.6	7.9	12.0	19.0	12.0	8.3	15.6	21.4
AP Calculus	18.9	21.1	44.0	11.4	16.1	31.2	15.5	14.4	18.7	33.0
AP Computer Science	2.7	3.3	6.5	2.1	1.5	2.6	1.7	1.6	1.8	4.0
<b>How many weeks this summer did you participate in a bridge program at this institution?</b>										
Zero	85.4	94.8	92.3	95.4	97.7	95.8	96.4	89.9	96.0	94.9
One to two	3.3	1.7	1.7	1.6	1.9	2.9	2.6	0.9	3.5	4.4
Three to four	5.9	1.7	2.0	2.3	0.2	0.6	0.5	5.0	0.1	0.4
Five to six	4.7	1.7	3.0	0.6	0.2	0.6	0.2	3.9	0.3	0.3
Seven or more	0.7	0.1	1.0	0.1	0.0	0.1	0.3	0.3	0.1	0.0

PRE-PUBLICATION VERSION 4-19-2017

2016 CIRP Freshman Survey

Weighted National Norms—Public, Catholic, and Other Religious 4-year Colleges by Selectivity

All Respondents	Public 4-year Colleges			Catholic 4-year Colleges			Other Religious 4-year Colleges			
	Low	Medium	High	Low	Medium	High	Very Low	Low	Medium	High
<b>During high school (grades 9-12) how many years did you study each of the following subjects?</b>										
Mathematics (3 years)	97.3	98.4	98.8	97.6	98.7	99.3	95.8	97.0	97.5	99.0
Foreign Language (2 years)	91.7	94.5	93.7	90.0	93.8	96.5	85.8	83.0	90.6	93.8
Physical Science (2 years)	56.8	59.0	62.2	50.5	59.5	65.0	54.8	45.6	50.6	59.7
Biological Science (2 years)	45.5	46.8	45.2	47.4	51.1	54.1	51.3	45.3	49.0	51.8
History/Am. Gov't (1 year)	98.0	98.2	98.8	98.5	99.2	99.1	97.4	97.6	98.3	98.5
Computer Science (1/2 year)	34.9	35.7	39.5	41.1	39.5	40.5	41.7	52.2	45.9	37.8
Arts and/or Music (1 year)	84.9	84.3	83.1	79.6	80.9	81.2	74.0	80.8	80.5	87.2
<b>How many Advanced Placement/International Baccalaureate courses did you take in high school?</b>										
<b>AP Courses</b>										
Not offered at my high school	5.8	4.5	5.9	7.7	6.1	6.5	10.1	16.1	11.7	10.0
None	27.3	27.3	18.2	43.1	32.6	16.4	39.0	33.2	27.8	14.6
1 to 4	53.7	50.5	45.0	41.5	48.0	53.8	40.2	42.4	46.9	46.4
5 to 9	12.3	16.0	25.8	6.9	12.1	21.0	9.4	7.0	11.9	24.4
10 to 14	0.8	1.5	4.7	0.7	1.0	2.1	0.7	1.0	1.2	3.9
15+	0.2	0.2	0.4	0.2	0.2	0.2	0.6	0.3	0.4	0.6
<b>IB Courses</b>										
Not offered at my high school	46.6	50.8	62.3	51.9	56.3	66.6	50.0	57.6	54.3	67.5
None	47.1	43.9	29.1	43.3	38.9	26.2	44.5	38.0	35.9	23.8
1 to 4	4.3	3.0	3.9	3.0	2.7	3.8	3.5	3.0	6.2	4.0
5 to 9	1.3	1.6	3.2	1.2	1.4	2.2	1.1	0.9	2.6	3.5
10 to 14	0.3	0.2	1.0	0.4	0.2	0.8	0.5	0.2	0.5	0.7
15+	0.4	0.5	0.5	0.2	0.5	0.4	0.4	0.1	0.4	0.5
<b>At any time since you turned 13, were you in foster care or were you a dependent of the court?</b>										
No	97.7	98.6	98.8	98.3	98.9	99.3	97.2	97.6	98.3	98.8
Yes	1.1	0.5	0.5	0.9	0.3	0.1	1.5	0.8	0.7	0.4
I don't know	1.1	0.8	0.7	0.8	0.8	0.6	1.3	1.6	0.9	0.8
<b>Do you consider yourself:</b>										
Pre-Med	22.9	17.1	13.0	29.9	21.2	20.7	22.3	22.9	16.7	14.5
Pre-Law	8.4	5.5	5.1	7.2	4.7	6.3	7.1	6.3	4.5	5.1
<b>Your intended major:</b>										
<b>Arts and Humanities</b>										
Art, fine and applied	1.3	2.2	1.6	1.3	1.5	0.4	1.5	1.6	1.4	1.8
English (language and literature)	1.0	1.4	1.6	0.9	1.1	1.2	0.4	0.8	1.6	1.9
History	0.8	1.1	1.5	0.7	0.6	0.7	1.4	0.7	1.0	0.8
Journalism/Communication	2.3	2.6	1.2	2.3	2.4	1.6	1.5	2.3	2.1	3.1
Classical and Modern Languages and Literature	0.2	0.3	0.2	0.2	0.0	0.2	0.3	0.1	0.3	0.5
Media/Film Studies	2.6	2.0	0.3	0.5	0.4	0.2	0.8	0.4	0.9	4.1
Music	1.2	1.3	1.4	0.4	0.8	0.5	1.6	1.0	2.8	5.0
Philosophy	0.3	0.3	0.2	0.3	0.2	0.5	0.2	0.2	0.3	0.4
Theatre/Drama	1.0	1.2	0.9	0.1	1.9	0.4	1.1	0.4	1.6	2.1
Theology/Religion	0.2	0.4	0.2	0.1	0.3	0.6	0.8	1.9	1.6	1.1
Other Arts and Humanities	0.5	1.6	0.8	0.4	0.9	0.4	0.8	0.5	0.8	1.5

## PRE-PUBLICATION VERSION 4-19-2017

## 2016 CIRP Freshman Survey

## Weighted National Norms—Public, Catholic, and Other Religious 4-year Colleges by Selectivity

All Respondents	Public 4-year Colleges			Catholic 4-year Colleges			Other Religious 4-year Colleges			
	Low	Medium	High	Low	Medium	High	Very Low	Low	Medium	High
<b>Your intended major (continued):</b>										
<b>Biological &amp; Life Sciences</b>										
Biology (general)	6.0	6.4	5.4	12.2	9.6	11.6	5.7	8.6	6.2	6.3
Animal Biology (zoology)	0.6	0.5	1.2	0.4	0.6	0.5	1.2	0.7	0.5	0.3
Ecology & Evolutionary Biology	0.2	0.1	0.1	0.0	0.0	0.1	0.2	0.0	0.1	0.1
Marine Biology	0.3	1.3	1.0	0.0	0.2	0.3	0.2	0.4	1.1	1.5
Microbiology	0.2	0.3	0.3	0.1	0.1	0.2	0.0	0.0	0.1	0.1
Molecular, Cellular, & Developmental Biology	0.6	0.4	0.2	0.2	0.7	0.3	0.1	0.1	0.3	0.5
Neurobiology/Neuroscience	0.3	0.2	0.3	0.9	1.7	1.1	1.3	1.0	0.7	1.3
Plant Biology (botany)	0.1	0.2	0.1	0.0	0.0	0.0	0.0	0.3	0.1	0.1
Agriculture/Natural Resources	0.4	0.1	0.6	0.0	0.0	0.0	0.9	0.3	0.3	0.2
Biochemistry/Biophysics	1.1	1.0	1.0	1.0	0.9	1.5	0.5	0.5	1.5	1.6
Environmental Science	0.2	0.7	1.4	0.2	0.4	0.6	1.2	0.6	0.6	1.2
Other Biological Science	0.3	0.3	0.6	1.0	0.7	0.2	0.5	0.5	0.5	0.2
<b>Business</b>										
Accounting	1.9	3.0	0.9	2.8	4.0	3.5	1.4	3.0	2.6	1.7
Business Administration (general)	2.8	2.0	2.3	3.2	1.8	2.8	5.6	3.7	2.8	5.0
Entrepreneurship	0.8	0.3	0.3	0.3	0.3	0.5	0.8	1.4	0.6	0.9
Finance	1.2	1.8	0.8	1.8	1.6	5.8	0.7	1.3	1.2	1.6
Hospitality/Tourism	0.2	0.7	1.0	0.0	0.0	0.1	0.0	0.1	0.1	0.0
Human Resources Management	0.2	0.3	0.4	0.1	0.1	0.3	0.2	0.1	0.1	0.1
International Business	0.4	0.7	0.3	1.0	0.6	1.5	0.4	0.8	1.0	0.8
Marketing	2.3	2.8	1.2	2.9	1.7	4.6	1.4	2.3	2.0	1.6
Management	3.2	3.5	1.9	2.7	4.3	2.5	2.2	3.3	2.7	1.6
Computer/Management Information Systems	0.4	0.4	0.5	0.3	0.1	0.2	0.3	0.7	0.3	0.2
Real Estate	0.5	0.2	0.2	0.3	0.2	0.2	0.3	0.4	0.2	0.2
Other Business	0.5	0.2	0.3	0.9	0.6	1.3	0.2	0.5	0.6	2.6
<b>Education</b>										
Elementary Education	2.0	2.8	2.0	2.3	3.2	2.5	3.0	5.0	5.1	2.1
Music/Art Education	0.2	0.4	1.5	0.0	0.5	0.3	1.1	0.5	1.5	1.3
Physical Education/Recreation	0.3	0.4	0.1	0.2	0.3	0.2	1.6	1.3	0.5	0.2
Secondary School Teacher in a non-STEM subject	1.0	0.9	0.8	1.7	2.4	1.4	0.7	2.2	2.2	1.3
Special Education	0.6	1.0	0.6	0.9	1.3	0.5	0.9	1.0	1.5	0.6
Other Education	0.7	0.3	0.3	0.5	0.5	0.1	0.5	0.5	0.6	0.4
<b>Engineering</b>										
Aerospace/Aeronautical/Astronautical Engineering	0.4	1.0	4.6	0.1	0.2	0.0	0.2	0.0	0.1	0.1
Biological/Agricultural Engineering	0.1	0.1	0.1	0.0	0.1	0.0	0.0	0.0	0.0	0.0
Biomedical Engineering	0.2	0.7	0.4	0.4	0.1	0.5	0.5	0.4	0.3	0.2
Chemical Engineering	0.0	0.4	1.1	0.2	0.0	0.3	0.3	0.3	0.2	0.2
Civil Engineering	1.0	1.4	2.4	0.2	0.3	1.2	1.0	0.2	0.2	0.3
Computer Engineering	1.1	1.2	1.2	0.1	0.1	0.5	0.8	0.4	0.3	0.4
Electrical/Electronic Communications Engineering	0.9	0.8	1.9	0.1	0.5	1.3	0.7	0.4	0.3	0.4
Engineering Science/Engineering Physics	0.0	0.1	0.2	0.1	0.0	0.1	0.0	0.1	0.3	0.4
Environmental/Environmental Health Engineering	0.2	0.4	0.1	0.1	0.1	0.2	0.2	0.1	0.1	0.1
Industrial/Manufacturing Engineering	0.4	0.1	0.4	0.1	0.1	0.1	0.7	0.2	0.1	0.1
Materials Engineering	0.2	0.2	0.4	0.0	0.1	0.3	0.2	0.1	0.1	0.2
Mechanical Engineering	1.9	1.9	5.5	0.2	0.7	3.1	1.9	1.2	0.6	1.2
Other Engineering	0.3	0.4	1.9	0.0	0.3	0.6	0.4	0.2	0.1	0.6

PRE-PUBLICATION VERSION 4-19-2017

2016 CIRP Freshman Survey

Weighted National Norms—Public, Catholic, and Other Religious 4-year Colleges by Selectivity

All Respondents	Public 4-year Colleges			Catholic 4-year Colleges			Other Religious 4-year Colleges			
	Low	Medium	High	Low	Medium	High	Very Low	Low	Medium	High
<b>Your intended major (continued):</b>										
<b>Health Professions</b>										
Clinical Laboratory Science	0.2	0.1	0.0	0.3	0.2	0.0	0.0	0.3	0.1	0.1
Health Care Administration/Studies	0.5	0.5	0.2	0.3	0.3	0.5	0.5	0.2	0.3	0.3
Health Technology	0.1	0.1	0.0	0.2	0.1	0.0	0.2	0.1	0.0	0.1
Kinesiology	4.5	1.7	1.6	0.7	0.3	0.2	2.5	1.5	2.4	1.9
Nursing	8.5	6.4	1.4	16.1	15.0	11.3	6.3	11.2	6.7	3.5
Pharmacy	0.2	0.3	0.1	3.1	0.2	0.5	0.4	0.5	0.7	0.6
Therapy (occupational, physical, speech)	1.6	2.3	2.1	3.2	2.8	1.1	4.8	4.1	3.7	1.2
Other Health Profession	1.8	2.3	1.2	2.2	3.2	1.5	4.0	4.2	2.4	1.7
<b>Math and Computer Science</b>										
Computer Science	3.9	3.0	4.5	2.2	1.7	1.7	1.7	2.2	1.9	2.4
Mathematics/Statistics	1.4	1.6	2.0	0.4	0.4	1.2	1.1	1.0	1.8	1.3
Other Math and Computer Science	0.3	0.2	0.6	0.0	0.0	0.1	0.1	0.4	0.8	0.3
<b>Physical Science</b>										
Astronomy & Astrophysics	0.2	0.1	0.2	0.0	0.0	0.1	0.0	0.0	0.5	0.1
Atmospheric Science	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.2
Chemistry	1.0	0.5	1.8	1.6	0.9	1.6	0.4	0.6	0.7	1.0
Earth & Planetary Sciences	0.1	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.1
Marine Sciences	0.2	0.2	0.3	0.0	0.0	0.0	0.0	0.0	0.2	0.4
Physics	0.3	0.2	0.9	0.1	0.0	0.4	0.2	0.1	0.5	0.6
Other Physical Science	0.1	0.1	0.1	0.1	0.2	0.1	0.1	0.3	0.2	0.1
<b>Social Science</b>										
Anthropology	0.3	0.3	0.4	0.0	0.0	0.0	0.2	0.0	0.3	0.3
Economics	0.3	0.3	1.0	0.2	0.1	0.4	0.1	0.0	0.3	0.8
Ethnic/Cultural Studies	0.1	0.1	0.2	0.0	0.0	0.1	0.2	0.0	0.2	0.2
Geography	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Political Science (gov't., international relations)	1.8	1.4	3.6	1.6	2.7	2.2	1.6	0.7	1.3	2.9
Psychology	5.5	4.9	4.0	5.8	5.4	3.5	6.2	4.6	4.8	4.2
Public Policy	0.1	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.1	0.1
Social Work	1.3	0.7	0.4	0.8	0.5	0.4	0.6	0.9	0.4	0.6
Sociology	2.0	0.6	0.8	0.5	1.1	0.4	0.4	0.1	0.5	0.7
Women's/Gender Studies	0.0	0.0	0.2	0.1	0.0	0.1	0.0	0.0	0.0	0.1
Other Social Science	0.4	0.2	0.3	0.0	0.2	0.2	0.1	0.4	0.3	0.3
<b>Other Majors</b>										
Architecture/Urban Planning	0.1	0.1	1.2	0.1	2.0	0.5	0.6	0.2	0.2	0.2
Criminal Justice	5.0	3.4	2.4	4.5	2.6	0.2	6.1	4.1	2.2	0.3
Library Science	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.1	0.0
Security & Protective Services	0.0	0.0	0.1	0.0	0.1	0.0	0.0	0.0	0.0	0.0
Military Sciences/Technology/Operations	0.0	0.0	0.5	0.1	0.1	0.0	0.0	0.2	0.0	0.0
Other	2.2	2.2	2.3	1.8	1.8	0.9	5.9	3.0	4.0	3.2
Undecided	8.2	9.4	7.7	7.1	6.7	11.1	4.8	4.2	7.1	7.9

## PRE-PUBLICATION VERSION 4-19-2017

## 2016 CIRP Freshman Survey

## Weighted National Norms—Public, Catholic, and Other Religious 4-year Colleges by Selectivity

All Respondents	Public 4-year Colleges			Catholic 4-year Colleges			Other Religious 4-year Colleges				
	Low	Medium	High	Low	Medium	High	Very Low	Low	Medium	High	
<b>Your intended career occupation</b>											
Actor or Entertainer	1.5	1.9	0.8	0.5	1.8	0.4	1.4	0.7	1.5	2.9	
Artist	1.1	1.5	0.9	1.1	0.7	0.3	0.5	0.8	0.7	1.1	
Graphic Designer	1.3	1.3	1.2	0.7	1.2	0.3	2.0	1.1	1.5	0.9	
Musician	1.7	2.0	1.5	0.6	0.9	0.5	1.8	1.1	2.5	4.8	
Writer/Producer/Director	2.7	2.6	1.3	1.2	0.8	1.1	1.1	1.0	2.4	6.0	
Farmer or Forester	0.5	0.5	0.2	0.1	0.1	0.1	0.3	0.2	0.3	0.6	
Natural Resource Specialist/Environmentalist	0.3	0.8	0.8	0.3	0.3	0.3	0.6	0.5	0.6	1.7	
Accountant	1.6	2.0	0.8	2.8	3.9	3.2	1.0	2.2	2.0	1.2	
Administrative Assistant	0.4	0.4	0.2	0.2	0.5	0.2	0.7	0.3	0.5	0.7	
Business Manager/Executive	2.1	2.9	2.3	2.5	2.0	3.6	2.9	2.9	2.6	3.8	
Business Owner/Entrepreneur	3.1	2.5	1.9	3.3	2.1	2.4	2.3	2.5	2.1	3.2	
Retail Sales	0.8	0.9	0.5	0.5	0.6	0.3	0.7	0.8	0.3	0.4	
Sales/Marketing	1.7	2.2	1.2	2.2	1.4	3.7	1.6	2.1	1.6	1.6	
Human Resources	0.4	0.5	0.3	0.3	0.3	0.4	0.2	0.3	0.6	0.3	
Finance (e.g., Actuary, Banking, Loan Officer, Planner)	1.0	1.8	1.0	1.7	1.9	4.8	0.8	1.2	2.0	1.7	
Management Consultant	0.3	0.4	0.3	0.4	0.2	0.7	0.3	0.6	0.2	0.3	
Real Estate Agent/Realtor/Appraiser/Developer	0.4	0.4	0.2	0.2	0.3	0.4	0.3	0.4	0.4	0.4	
Sports Management	0.9	1.1	0.6	1.6	1.4	1.2	3.0	3.6	1.3	1.0	
Journalist	0.6	0.9	0.5	0.6	0.8	0.4	0.4	0.9	0.7	1.1	
Public/Media Relations	1.4	1.2	0.9	1.4	1.5	1.2	1.4	1.1	1.1	1.9	
Advertising	0.3	0.4	0.2	0.2	0.4	0.4	0.2	0.2	0.3	0.5	
College Administrator/Staff	0.2	0.3	0.3	0.0	0.0	0.1	0.7	0.1	0.4	0.2	
College Faculty	0.2	0.2	0.5	0.3	0.1	0.2	0.4	0.6	0.5	0.8	
Early Childcare Provider	0.8	1.4	0.4	0.7	0.5	0.4	0.9	1.5	1.2	0.6	
Elementary School Teacher	2.6	3.2	2.6	2.8	2.8	2.9	4.5	5.0	5.8	2.3	
Secondary School Teacher in Science, Technology, Engineering, or Math (STEM)	0.9	1.0	1.1	0.8	0.8	0.7	0.8	1.6	1.3	0.9	
Secondary School Teacher in a non-STEM subject	1.6	1.7	2.1	1.2	2.5	1.9	1.5	1.8	2.8	2.1	
Librarian	0.1	0.2	0.4	0.0	0.1	0.0	0.0	0.2	0.1	0.1	
Teacher's Assistant/Paraprofessional	0.1	0.2	0.1	0.1	0.1	0.0	0.1	0.1	0.1	0.1	
K-12 Administrator	0.4	0.4	0.3	0.1	0.3	0.3	0.5	0.4	0.4	0.3	
Other K-12 Professional	1.1	1.1	0.7	0.6	0.8	0.8	0.8	1.0	1.2	0.6	
Military	1.3	1.4	13.9	0.5	1.1	1.1	1.1	1.0	0.9	0.6	
Federal/State/Local Government Official	1.0	1.0	1.2	1.2	1.2	1.0	1.5	0.8	0.9	1.2	
Protective Services (e.g., Homeland Security, Law Enforcement, Firefighter)	3.2	2.2	2.0	2.6	1.7	0.6	3.4	2.4	1.8	0.6	
Postal Worker	0.2	0.1	0.1	0.0	0.1	0.0	0.2	0.2	0.0	0.5	
Dietician/Nutritionist	1.2	1.7	1.0	0.6	2.3	0.5	1.0	1.3	0.8	0.7	
Home Health Worker	0.1	0.3	0.2	0.1	0.2	0.1	0.4	0.3	0.2	0.2	
Medical/Dental Assistant (e.g., Hygienist, Lab Tech, Nursing Asst.)	1.3	0.8	0.4	1.7	1.4	1.0	1.5	1.2	1.1	0.7	
Registered Nurse	6.5	4.8	1.5	11.1	10.5	9.6	6.1	6.9	5.6	2.6	
Therapist (e.g., Physical, Occupational, Speech)	6.1	5.1	4.2	4.8	5.2	2.5	8.0	6.2	6.8	4.0	
Computer Programmer/Developer	2.7	2.4	2.9	1.3	1.0	1.1	1.4	1.6	1.4	1.9	
Computer/Systems Analyst	0.8	0.8	1.3	0.8	0.2	0.2	0.4	0.2	0.3	0.2	
Web Designer	0.1	0.1	0.1	0.0	0.2	0.1	0.2	0.2	0.1	0.1	
Lawyer/Judge	2.8	2.3	2.4	2.5	2.4	4.0	1.7	2.5	1.9	3.3	
Paralegal	0.3	0.2	0.2	0.1	0.2	0.1	0.2	0.2	0.2	0.1	
Clinical Psychologist	2.5	2.4	2.0	2.7	2.8	1.9	1.9	2.2	1.8	1.6	
Dentist/Orthodontist	1.0	1.3	0.7	1.2	1.1	2.9	0.8	1.6	0.8	0.7	
Medical Doctor/Surgeon	6.4	5.5	5.8	12.5	9.6	11.3	5.3	8.4	6.7	7.4	

PRE-PUBLICATION VERSION 4-19-2017

2016 CIRP Freshman Survey

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All Respondents	Public 4-year Colleges			Catholic 4-year Colleges			Other Religious 4-year Colleges			
	Low	Medium	High	Low	Medium	High	Very Low	Low	Medium	High
<b>Your intended career occupation (continued)</b>										
Optometrist	0.3	0.3	0.2	0.1	0.2	0.4	0.3	0.3	0.2	0.3
Pharmacist	0.9	0.7	0.7	4.2	0.4	1.1	0.7	0.8	0.9	0.9
Veterinarian	1.1	0.7	2.2	0.8	1.0	0.7	3.1	1.3	0.9	0.8
Engineer	4.1	5.2	10.6	1.0	1.0	5.7	4.8	1.5	1.9	2.7
Research Scientist (e.g., Biologist, Chemist, Physicist)	2.4	2.6	4.3	1.2	2.5	2.7	1.7	1.7	3.0	4.0
Urban Planner/Architect	0.2	0.3	1.1	0.2	1.0	0.5	0.6	0.3	0.2	0.3
Custodian/Janitor/Housekeeper	0.1	0.0	0.0	0.1	0.2	0.0	0.1	0.1	0.0	0.0
Food Service (e.g., Chef/Cook, Server)	0.3	0.2	0.2	0.1	0.1	0.1	0.2	0.1	0.0	0.1
Hair Stylist/Aesthetician/Manicurist	0.1	0.1	0.1	0.1	0.1	0.0	0.1	0.0	0.0	0.1
Interior Designer	1.0	0.5	0.4	0.4	0.5	0.1	0.2	0.5	0.7	0.3
Skilled Trades (e.g., Plumber, Electrician, Construction)	3.4	2.5	0.3	5.6	5.2	1.8	0.7	4.5	1.4	1.4
Social/Non-Profit Services	0.5	0.4	0.4	0.3	0.4	0.2	0.7	0.5	0.8	0.8
Clergy	0.7	1.0	0.7	0.6	1.4	0.3	2.3	2.2	2.1	1.0
Homemaker/Stay at Home Parent	0.4	0.7	0.5	0.2	0.5	0.3	0.8	0.9	0.6	0.3
Other	6.0	5.4	4.2	5.4	5.8	2.5	8.5	6.0	7.0	5.5
Undecided	8.7	9.1	8.1	7.0	7.4	12.2	6.4	5.5	9.5	11.4
<b>Parent/Guardian 1 occupation</b>										
Actor or Entertainer	0.2	0.2	0.1	0.1	0.2	0.0	0.0	0.1	0.2	0.3
Artist	0.3	0.4	0.3	0.1	0.4	0.2	0.2	0.3	0.2	0.4
Graphic Designer	0.6	0.6	0.5	0.4	0.5	0.3	0.4	0.6	0.5	0.6
Musician	0.3	0.3	0.3	0.0	0.2	0.2	0.1	0.2	0.3	0.4
Writer/Producer/Director	0.3	0.2	0.1	0.1	0.1	0.1	0.0	0.1	0.1	0.5
Farmer or Forester	0.5	0.2	0.4	0.1	0.3	0.5	1.3	0.8	0.7	0.9
Natural Resource Specialist/Environmentalist	0.2	0.2	0.2	0.1	0.1	0.2	0.2	0.1	0.2	0.3
Accountant	2.5	3.1	2.4	3.6	4.4	4.1	2.3	2.9	2.7	3.0
Administrative Assistant	1.5	1.3	1.4	2.8	1.8	1.5	1.9	1.3	1.9	1.3
Business Manager/Executive	3.5	4.4	5.1	4.6	5.0	8.0	4.9	5.2	4.6	7.8
Business Owner/Entrepreneur	3.3	4.1	4.2	3.3	4.3	5.4	4.2	3.2	4.3	5.8
Retail Sales	1.0	1.2	1.0	1.5	1.1	1.4	2.2	0.7	1.1	0.8
Sales/Marketing	2.6	3.7	3.7	2.6	2.5	6.3	2.8	3.4	3.7	4.9
Human Resources	1.1	1.1	1.0	1.5	1.3	1.0	1.6	1.1	1.2	1.0
Finance (e.g., Actuary, Banking, Loan Officer, Planner)	1.5	2.3	2.4	2.1	2.5	4.7	1.5	1.9	2.5	3.5
Management Consultant	0.7	0.8	1.0	0.8	0.8	1.2	0.8	0.8	1.0	1.3
Real Estate Agent/Realtor/Appraiser/Developer	0.9	1.5	1.3	1.1	0.6	1.5	1.4	0.3	1.2	1.6
Sports Management	0.0	0.1	0.1	0.1	0.1	0.1	0.2	0.1	0.1	0.0
Journalist	0.1	0.1	0.2	0.2	0.1	0.2	0.3	0.1	0.2	0.2
Public/Media Relations	0.5	0.4	0.5	0.3	0.3	0.5	0.4	0.3	0.3	0.7
Advertising	0.2	0.2	0.1	0.1	0.2	0.2	0.2	0.1	0.2	0.2
College Administrator/Staff	0.4	0.4	0.6	0.4	0.3	0.8	0.7	0.3	1.3	1.0
College Faculty	0.4	0.4	0.7	0.3	0.4	0.7	0.8	0.4	0.9	1.7
Early Childcare Provider	1.2	1.1	0.9	1.7	1.1	0.8	1.2	1.1	1.2	0.7
Elementary School Teacher	2.4	2.7	2.2	2.4	2.2	2.8	2.5	2.3	3.0	2.6
Secondary School Teacher in Science, Technology, Engineering, or Math (STEM)	0.8	1.2	1.3	0.7	1.2	0.8	1.1	1.1	1.5	1.4
Secondary School Teacher in a non-STEM subject	0.6	1.2	1.3	0.7	1.2	1.4	0.3	0.8	1.6	1.3
Librarian	0.1	0.2	0.1	0.2	0.1	0.2	0.1	0.2	0.2	0.2
Teacher's Assistant/Paraprofessional	0.9	1.1	0.9	1.0	1.1	0.7	0.8	1.0	1.0	0.6
K-12 Administrator	0.8	0.8	0.9	0.9	0.7	1.0	1.4	1.1	0.9	1.0
Other K-12 Professional	1.2	1.3	1.0	0.8	0.8	0.7	1.1	0.8	1.5	1.0
Military	1.5	1.0	4.3	1.0	0.8	1.1	1.6	1.0	1.6	1.1
Federal/State/Local Government Official	1.3	1.0	1.8	1.4	0.9	1.0	1.6	1.5	1.5	1.3

PRE-PUBLICATION VERSION 4-19-2017  
2016 CIRP Freshman Survey

Weighted National Norms—Public, Catholic, and Other Religious 4-year Colleges by Selectivity

All Respondents	Public 4-year Colleges			Catholic 4-year Colleges			Other Religious 4-year Colleges			
	Low	Medium	High	Low	Medium	High	Very Low	Low	Medium	High
<b>Parent/Guardian 1 occupation (continued)</b>										
Protective Services (e.g., Homeland Security, Law Enforcement, Firefighter)	2.4	2.5	3.2	2.9	3.7	2.1	2.3	2.2	2.0	1.8
Postal Worker	0.5	0.9	0.7	0.8	0.9	0.3	0.7	0.6	0.7	0.5
Dietician/Nutritionist	0.4	0.5	0.3	0.2	0.7	0.4	0.5	0.3	0.2	0.2
Home Health Worker	0.9	0.9	0.5	1.6	0.7	0.3	1.2	1.0	0.8	0.4
Medical/Dental Assistant (e.g., Hygienist, Lab Tech, Nursing Asst.)	2.2	1.9	1.0	3.7	1.8	1.1	1.7	2.2	1.2	1.1
Registered Nurse	3.5	2.7	2.6	4.3	4.1	2.6	3.1	4.2	2.8	2.4
Therapist (e.g., Physical, Occupational, Speech)	0.9	1.0	1.1	0.9	1.2	0.8	1.2	1.6	1.2	1.1
Computer Programmer/Developer	1.2	1.1	1.6	1.0	1.4	1.4	0.9	1.3	1.4	1.8
Computer/Systems Analyst	1.2	1.5	2.1	0.9	1.3	1.7	1.4	1.3	2.0	1.9
Web Designer	0.2	0.1	0.2	0.1	0.2	0.0	0.3	0.3	0.2	0.1
Lawyer/Judge	0.6	1.0	1.8	1.0	0.7	3.2	1.3	0.7	0.9	2.4
Paralegal	0.6	0.6	0.6	1.0	0.4	0.4	0.5	0.3	0.3	0.4
Clinical Psychologist	0.3	0.3	0.6	0.4	0.3	0.3	0.3	0.7	0.6	0.5
Dentist/Orthodontist	0.4	0.5	0.5	0.1	0.5	0.8	0.2	1.1	0.3	0.6
Medical Doctor/Surgeon	0.8	1.1	2.0	1.4	1.4	3.2	1.1	2.1	1.3	3.0
Optometrist	0.1	0.1	0.1	0.2	0.1	0.2	0.1	0.2	0.2	0.2
Pharmacist	0.3	0.3	0.4	0.4	0.3	0.6	0.3	0.3	0.5	0.5
Veterinarian	0.2	0.2	0.1	0.1	0.2	0.1	0.2	0.2	0.2	0.2
Engineer	2.9	3.1	5.7	2.4	3.5	5.7	3.9	4.6	4.2	5.0
Research Scientist (e.g., Biologist, Chemist, Physicist)	0.5	0.6	1.0	0.3	0.7	0.9	0.3	0.6	0.4	0.9
Urban Planner/Architect	0.3	0.7	0.6	0.2	0.6	0.5	0.4	0.3	0.5	0.4
Custodian/Janitor/Housekeeper	1.0	1.2	0.6	1.3	0.9	0.6	0.6	1.2	0.6	0.4
Food Service (e.g., Chef/Cook, Server)	1.8	2.1	1.1	1.8	1.5	1.0	1.5	1.7	1.6	0.8
Hair Stylist/Aesthetician/Manicurist	0.8	0.9	0.4	0.8	0.8	0.5	0.7	0.7	0.5	0.5
Interior Designer	0.2	0.2	0.1	0.1	0.2	0.2	0.1	0.1	0.1	0.2
Skilled Trades (e.g., Plumber, Electrician, Construction)	5.7	5.8	5.3	6.3	6.4	4.1	5.8	7.4	5.0	3.6
Social/Non-Profit Services	0.6	0.5	0.4	0.7	0.5	0.4	0.6	0.8	0.7	0.6
Clergy	0.5	0.6	0.7	0.5	0.6	0.3	1.7	2.3	2.3	1.8
Homemaker/Stay at Home Parent	7.3	6.0	4.7	6.2	5.3	4.6	5.2	4.0	4.8	4.8
Other	25.6	21.1	16.9	19.8	20.5	11.5	20.0	19.3	18.8	12.2
Undecided	2.6	1.2	0.7	1.7	1.1	0.6	1.9	1.2	0.8	0.5
<b>Parent/Guardian 2 occupation</b>										
Actor or Entertainer	0.2	0.2	0.1	0.2	0.0	0.1	0.1	0.2	0.3	0.3
Artist	0.6	0.4	0.4	0.0	0.1	0.2	0.3	0.4	0.2	0.5
Graphic Designer	0.6	0.4	0.3	0.5	0.5	0.4	0.5	0.3	0.6	0.5
Musician	0.3	0.3	0.3	0.4	0.2	0.3	0.1	0.3	0.2	0.5
Writer/Producer/Director	0.3	0.1	0.1	0.1	0.1	0.2	0.0	0.2	0.2	0.5
Farmer or Forester	0.5	0.3	0.3	0.1	0.2	0.3	0.4	0.5	0.5	0.6
Natural Resource Specialist/Environmentalist	0.2	0.2	0.1	0.2	0.1	0.1	0.3	0.2	0.2	0.2
Accountant	1.7	2.6	2.4	2.0	3.1	3.7	2.0	2.5	2.2	3.1
Administrative Assistant	0.9	1.2	1.4	1.3	1.5	1.8	1.7	1.9	2.2	1.9
Business Manager/Executive	3.0	2.9	3.0	3.2	3.6	4.7	3.6	3.1	3.7	4.5
Business Owner/Entrepreneur	3.2	3.3	2.9	3.0	3.2	4.3	3.4	1.9	3.7	4.1
Retail Sales	1.1	1.1	1.2	1.0	0.9	1.3	1.1	0.8	1.3	0.9
Sales/Marketing	2.6	3.6	3.1	2.6	2.6	4.6	1.9	2.3	2.0	3.9
Human Resources	0.7	0.8	1.0	0.9	1.2	1.4	1.1	1.2	1.3	1.0
Finance (e.g., Actuary, Banking, Loan Officer, Planner)	1.1	1.5	1.6	1.4	1.6	3.4	1.1	1.7	2.0	2.2
Management Consultant	0.3	0.6	0.8	0.9	0.7	0.8	0.9	0.4	0.8	1.1
Real Estate Agent/Realtor/Appraiser/Developer	1.2	1.3	1.2	0.5	0.6	1.2	1.1	0.3	0.8	1.3

PRE-PUBLICATION VERSION 4-19-2017

2016 CIRP Freshman Survey

Weighted National Norms—Public, Catholic, and Other Religious 4-year Colleges by Selectivity

All Respondents	Public 4-year Colleges			Catholic 4-year Colleges			Other Religious 4-year Colleges			
	Low	Medium	High	Low	Medium	High	Very Low	Low	Medium	High
<b>Parent/Guardian 2 occupation (continued)</b>										
Sports Management	0.1	0.1	0.1	0.1	0.2	0.1	0.1	0.0	0.1	0.0
Journalist	0.1	0.2	0.3	0.0	0.2	0.3	0.3	0.1	0.1	0.3
Public/Media Relations	0.3	0.3	0.3	0.4	0.6	0.7	0.4	0.4	0.3	0.5
Advertising	0.1	0.2	0.1	0.1	0.2	0.2	0.1	0.2	0.1	0.2
College Administrator/Staff	0.3	0.3	0.6	0.0	0.3	0.7	0.6	0.3	1.0	0.8
College Faculty	0.3	0.3	0.9	0.5	0.5	0.7	0.8	0.8	0.7	1.4
Early Childcare Provider	0.7	1.2	1.0	1.0	1.1	1.1	1.2	0.7	1.4	1.1
Elementary School Teacher	2.5	3.0	4.2	2.0	3.3	3.8	3.1	3.4	5.0	4.6
Secondary School Teacher in Science, Technology, Engineering, or Math (STEM)	0.7	0.9	1.3	0.5	1.1	0.8	1.0	1.3	1.3	1.1
Secondary School Teacher in a non-STEM subject	0.5	0.9	1.8	0.8	0.9	1.4	1.3	1.2	1.2	1.5
Librarian	0.1	0.3	0.4	0.3	0.4	0.4	0.1	0.1	0.4	0.3
Teacher's Assistant/Paraprofessional	0.8	1.0	1.4	1.2	1.5	1.2	1.3	1.7	1.8	1.2
K-12 Administrator	0.8	0.7	1.0	0.6	0.6	0.9	0.8	1.1	0.8	1.1
Other K-12 Professional	0.9	1.3	1.5	0.6	0.9	1.7	1.5	1.6	1.6	1.3
Military	1.2	1.0	1.7	1.0	0.6	0.6	2.7	0.8	0.9	0.7
Federal/State/Local Government Official	0.8	0.9	1.4	0.9	0.8	0.9	1.0	0.8	0.9	1.1
Protective Services (e.g., Homeland Security, Law Enforcement, Firefighter)	2.1	2.0	1.7	2.7	2.2	1.4	2.4	1.8	1.4	1.0
Postal Worker	0.6	0.8	0.7	0.8	0.6	0.4	0.8	0.7	0.3	0.4
Dietician/Nutritionist	0.5	0.5	0.5	0.2	0.4	0.4	0.4	0.3	0.3	0.4
Home Health Worker	0.5	0.6	0.5	1.1	0.8	0.4	0.7	0.8	0.6	0.5
Medical/Dental Assistant (e.g., Hygienist, Lab Tech, Nursing Asst.)	1.7	1.5	1.6	2.3	1.7	1.5	1.8	1.4	1.2	1.2
Registered Nurse	2.3	2.7	4.4	3.2	3.0	4.0	3.4	5.3	3.5	3.0
Therapist (e.g., Physical, Occupational, Speech)	0.6	1.0	1.0	0.8	1.0	1.4	1.6	1.8	1.5	1.6
Computer Programmer/Developer	0.7	1.0	1.3	0.7	0.7	0.9	1.2	1.0	0.8	1.3
Computer/Systems Analyst	0.8	1.0	1.2	1.2	1.1	1.2	0.6	0.8	1.2	1.0
Web Designer	0.1	0.2	0.2	0.2	0.2	0.0	0.2	0.4	0.1	0.2
Lawyer/Judge	0.6	0.7	1.1	0.9	0.9	1.8	0.4	1.0	0.6	2.0
Paralegal	0.3	0.4	0.5	0.7	0.6	0.4	0.4	0.2	0.4	0.3
Clinical Psychologist	0.3	0.2	0.3	0.1	0.1	0.3	0.1	0.3	0.3	0.3
Dentist/Orthodontist	0.4	0.5	0.4	0.3	0.3	0.4	0.2	0.5	0.6	0.5
Medical Doctor/Surgeon	0.7	0.9	1.2	0.7	0.5	2.0	1.0	1.6	1.1	2.3
Optometrist	0.1	0.1	0.1	0.0	0.1	0.2	0.1	0.1	0.1	0.2
Pharmacist	0.3	0.4	0.5	0.3	0.4	0.7	0.2	0.4	0.5	0.6
Veterinarian	0.2	0.1	0.2	0.1	0.2	0.2	0.1	0.1	0.3	0.2
Engineer	2.4	2.2	2.7	2.6	2.8	3.0	2.6	2.2	2.7	2.6
Research Scientist (e.g., Biologist, Chemist, Physicist)	0.5	0.5	0.5	0.5	0.7	0.7	0.2	0.8	0.4	0.7
Urban Planner/Architect	0.5	0.5	0.4	0.3	0.6	0.5	0.5	0.3	0.3	0.5
Custodian/Janitor/Housekeeper	1.2	1.3	0.6	1.6	1.5	0.5	0.8	0.7	0.5	0.5
Food Service (e.g., Chef/Cook, Server)	2.0	2.2	1.6	2.2	1.5	1.1	1.6	1.2	1.5	1.1
Hair Stylist/Aesthetician/Manicurist	0.9	0.9	0.6	0.9	0.6	0.6	0.5	0.7	0.5	0.4
Interior Designer	0.2	0.2	0.3	0.3	0.2	0.2	0.0	0.2	0.1	0.3
Skilled Trades (e.g., Plumber, Electrician, Construction)	4.9	5.6	5.5	7.8	7.4	4.1	5.2	6.6	5.2	3.2
Social/Non-Profit Services	0.4	0.3	0.5	0.3	0.7	0.6	0.5	0.5	1.0	0.7
Clergy	0.4	0.5	0.4	0.2	0.3	0.3	0.5	1.0	0.6	0.8
Homemaker/Stay at Home Parent	13.4	12.4	13.2	8.5	9.3	11.5	10.8	10.4	12.5	12.7
Other	27.6	23.6	17.2	26.2	23.6	13.3	21.5	22.4	19.5	14.2
Undecided	4.3	1.9	1.0	3.9	2.3	1.3	3.4	1.9	1.1	0.8

## PRE-PUBLICATION VERSION 4-19-2017

## 2016 CIRP Freshman Survey

## Weighted National Norms—Public, Catholic, and Other Religious 4-year Colleges by Selectivity

All Respondents	Public 4-year Colleges			Catholic 4-year Colleges			Other Religious 4-year Colleges			
	Low	Medium	High	Low	Medium	High	Very Low	Low	Medium	High
<b>Current employment status:</b>										
<b>Parent/Guardian 1</b>										
Employed	82.5	85.1	87.4	83.7	84.9	87.8	86.1	87.6	87.0	87.4
Seasonally employed	2.1	2.1	1.8	2.3	2.9	2.4	1.6	2.0	2.2	2.2
Unemployed	12.3	9.5	6.8	10.7	9.0	6.3	9.3	7.4	7.5	6.7
Retired	3.1	3.2	4.0	3.3	3.2	3.5	3.0	3.1	3.3	3.6
<b>Parent/Guardian 2</b>										
Employed	70.0	74.3	74.6	73.7	79.7	75.4	76.1	75.7	76.2	74.5
Seasonally employed	4.2	4.0	4.3	4.2	3.8	4.0	3.6	4.6	4.6	4.7
Unemployed	21.8	17.6	16.2	17.4	12.7	14.7	16.5	15.8	15.2	15.2
Retired	4.0	4.0	4.9	4.7	3.7	5.9	3.7	3.9	4.1	5.6
<b>How much of your first year's educational expenses (room, board, tuition, and fees) do you expect to cover from each of the sources listed below?</b>										
<b>Family resources (parents, relatives, spouse, etc.)</b>										
None	40.0	36.2	43.7	30.7	25.2	16.5	33.1	33.0	27.3	16.9
\$1 to \$2,999	29.0	20.5	18.0	22.7	18.4	11.0	21.4	20.9	20.6	13.0
\$3,000 to \$5,999	12.6	12.9	10.6	14.9	13.9	9.1	13.2	15.4	14.6	10.9
\$6,000 to \$9,999	6.9	8.9	8.2	10.1	11.1	7.5	9.4	10.5	10.9	9.8
\$10,000 to \$14,999	4.4	8.3	7.1	9.6	12.4	12.0	9.1	9.3	10.8	12.0
\$15,000 or more	7.1	13.2	12.4	12.0	19.1	43.8	13.9	11.0	15.7	37.5
<b>My own resources (savings from work, work-study, other income)</b>										
None	47.4	45.3	50.8	45.3	37.3	37.0	49.1	40.8	39.6	40.3
\$1 to \$2,999	39.6	38.0	34.5	37.6	41.5	39.0	35.4	39.5	39.4	38.4
\$3,000 to \$5,999	8.6	10.6	9.2	9.2	12.7	12.3	8.5	12.1	12.8	12.5
\$6,000 to \$9,999	2.5	3.5	3.0	3.8	3.8	4.6	3.0	4.0	4.1	4.1
\$10,000 to \$14,999	0.9	1.1	1.1	1.9	2.6	3.0	1.9	1.7	2.2	2.1
\$15,000 or more	0.9	1.5	1.4	2.1	2.1	4.0	2.1	1.9	1.9	2.6
<b>Aid which need not be repaid (grants, scholarships, military funding, etc.)</b>										
None	37.1	41.4	27.1	20.0	19.2	18.7	23.7	19.6	16.3	16.7
\$1 to \$2,999	14.7	14.7	13.3	9.0	8.9	6.2	6.9	10.3	7.0	6.4
\$3,000 to \$5,999	18.3	16.0	14.0	11.3	8.0	6.0	11.5	14.6	8.3	8.9
\$6,000 to \$9,999	12.3	11.6	9.5	11.1	7.8	6.4	10.3	14.3	7.7	8.1
\$10,000 to \$14,999	12.1	10.8	8.3	14.8	15.3	13.2	15.3	15.8	15.7	14.1
\$15,000 or more	5.5	5.5	27.8	33.8	40.7	49.5	32.3	25.4	44.9	45.8
<b>Aid which must be repaid (loans, etc.)</b>										
None	56.6	59.2	57.5	37.0	34.7	44.4	39.5	39.3	37.0	47.3
\$1 to \$2,999	13.5	9.6	9.1	10.6	9.9	8.0	11.2	12.2	10.1	8.3
\$3,000 to \$5,999	16.5	15.0	14.9	19.4	21.6	17.6	19.8	19.4	21.7	17.4
\$6,000 to \$9,999	6.7	6.7	7.5	11.8	11.0	9.3	11.6	12.3	11.8	9.0
\$10,000 to \$14,999	3.3	4.6	5.0	9.6	10.1	8.4	8.3	8.7	9.5	7.5
\$15,000 or more	3.3	4.8	6.0	11.6	12.8	12.3	9.6	8.2	9.8	10.5

PRE-PUBLICATION VERSION 4-19-2017

2016 CIRP Freshman Survey

Weighted National Norms—Public, Catholic, and Other Religious 4-year Colleges by Selectivity

All Respondents	Public 4-year Colleges			Catholic 4-year Colleges			Other Religious 4-year Colleges			
	Low	Medium	High	Low	Medium	High	Very Low	Low	Medium	High
<b>Did you receive any of the following forms of financial aid?</b>										
<b>Military grants</b>										
Yes	4.4	1.5	26.6	1.9	1.4	1.7	3.3	2.1	2.1	1.8
No	95.6	98.5	73.4	98.1	98.6	98.3	96.7	97.9	97.9	98.2
<b>Work-study</b>										
Yes	10.6	13.4	8.4	27.8	37.8	28.3	27.6	28.8	25.3	34.0
No	89.4	86.6	91.6	72.2	62.2	71.7	72.4	71.2	74.7	66.0
<b>Pell Grant</b>										
Yes	45.0	34.6	21.4	41.9	31.9	18.1	46.5	42.5	34.1	22.5
No	55.0	65.4	78.6	58.1	68.1	81.9	53.5	57.5	65.9	77.5
<b>Need-based grants or scholarships</b>										
Yes	32.0	30.9	26.0	49.1	50.3	41.3	54.7	46.9	53.2	41.3
No	68.0	69.1	74.0	50.9	49.7	58.7	45.3	53.1	46.8	58.7
<b>Merit-based grants or scholarships</b>										
Yes	23.1	32.3	39.7	76.1	80.7	80.0	68.7	70.1	80.1	78.5
No	76.9	67.7	60.3	23.9	19.3	20.0	31.3	29.9	19.9	21.5
<b>What is your best estimate of your parents'/guardians' total income last year?</b>										
Less than \$15,000	14.3	9.0	4.4	9.7	5.2	1.8	9.8	7.5	5.7	2.9
\$15,000 to \$24,999	13.7	9.3	5.5	9.6	5.4	2.6	8.3	7.6	6.0	3.5
\$25,000 to \$29,999	7.6	6.2	3.9	6.3	5.1	2.5	6.4	6.3	4.7	2.9
\$30,000 to \$59,999	21.5	19.5	14.1	21.0	16.9	9.9	18.6	19.2	18.3	11.6
\$60,000 to \$74,999	9.8	10.8	10.3	10.7	11.8	8.6	13.6	15.6	13.0	10.8
\$75,000 to \$99,999	10.4	11.8	13.6	12.6	14.7	11.6	13.9	14.7	15.9	13.1
\$100,000 to \$124,999	8.5	12.5	16.2	10.5	16.8	15.3	12.1	12.0	14.1	15.7
\$125,000 to \$149,999	4.4	5.6	8.4	4.9	7.2	8.7	5.5	5.0	7.4	8.4
\$150,000 to \$199,999	4.7	6.1	9.8	6.9	8.2	11.8	5.0	4.7	5.8	8.9
\$200,000 to \$249,999	2.6	4.1	6.5	3.5	4.1	9.7	3.0	3.0	3.5	7.5
\$250,000 to \$499,999	1.7	3.2	5.2	3.3	3.2	11.0	2.2	2.8	3.9	9.3
\$500,000 or higher	0.8	1.7	2.0	1.1	1.3	6.6	1.6	1.4	1.7	5.4
<b>Please select how many individuals in your household (including yourself) are dependent on your parent(s)/guardian(s) for financial support:</b>										
I am not dependent on my parent(s)/guardian(s)	3.8	2.2	3.7	3.7	2.1	1.5	5.2	4.2	2.7	1.6
One	16.9	18.1	16.4	19.0	16.4	12.9	18.7	18.0	17.8	18.7
Two	30.6	35.0	34.6	31.8	35.0	35.7	31.6	32.5	34.8	38.1
Three	22.0	22.0	22.7	22.0	23.4	24.4	20.7	21.9	22.1	22.0
Four	13.7	12.5	13.0	11.9	13.1	13.5	11.9	12.3	12.4	12.1
Five	7.7	6.2	5.8	7.7	5.8	7.0	7.7	6.7	5.9	4.7
Six or more	5.4	4.1	3.7	3.9	4.3	4.9	4.0	4.4	4.3	2.8
<b>Do you have any concern about your ability to finance your college education?</b>										
None (I am confident that I will have sufficient funds)	23.8	24.0	44.0	22.7	24.4	33.7	28.9	27.9	27.8	34.2
Some (but I probably will have enough funds)	58.3	60.2	45.1	59.8	59.5	56.1	55.3	56.2	59.1	55.6
Major (not sure I will have enough funds to complete college)	18.0	15.7	11.0	17.5	16.2	10.2	15.8	15.9	13.1	10.2

## PRE-PUBLICATION VERSION 4-19-2017

## 2016 CIRP Freshman Survey

## Weighted National Norms—Public, Catholic, and Other Religious 4-year Colleges by Selectivity

All Respondents	Public 4-year Colleges			Catholic 4-year Colleges			Other Religious 4-year Colleges			
	Low	Medium	High	Low	Medium	High	Very Low	Low	Medium	High
<b>Your current religious preference</b>										
Agnostic	5.1	7.0	8.5	3.0	6.6	4.6	2.7	1.9	4.5	8.5
Atheist	3.6	5.7	6.3	2.2	3.4	2.7	1.3	0.8	2.5	4.6
Baptist	12.4	4.3	8.2	11.3	2.6	1.8	27.7	22.0	19.8	10.8
Buddhist	1.1	1.3	1.0	1.0	0.7	0.7	0.3	0.4	0.6	0.5
Church of Christ	12.4	7.6	5.6	7.7	5.4	4.1	13.3	8.4	6.6	4.7
Eastern Orthodox	1.1	0.9	0.6	0.8	1.5	0.8	0.3	0.3	0.5	0.4
Episcopalian	0.1	0.5	1.4	0.7	0.7	0.9	0.4	0.2	0.9	1.1
Hindu	0.1	0.4	0.3	0.4	0.3	0.5	0.1	0.0	0.3	0.5
Jewish	1.5	2.1	1.0	0.5	0.9	0.4	0.1	0.1	0.4	2.4
LDS (Mormon)	0.4	0.2	0.6	0.1	0.2	0.1	0.2	0.1	0.3	0.2
Lutheran	1.4	1.3	3.1	1.0	2.1	3.6	1.3	2.6	4.6	5.3
Methodist	1.0	1.7	4.1	1.6	1.7	1.3	4.9	4.4	4.3	5.3
Muslim	1.4	2.3	1.1	1.6	1.2	1.2	0.3	0.2	0.9	0.8
Presbyterian	0.6	1.7	2.9	0.4	0.9	1.2	2.9	2.3	3.7	3.7
Quaker	0.0	0.1	0.1	0.0	0.2	0.2	0.0	0.2	0.4	0.1
Roman Catholic	20.9	30.4	25.6	41.4	46.3	57.9	7.4	8.5	10.9	14.0
Seventh-day Adventist	0.5	0.5	0.3	0.6	0.6	0.1	0.6	18.7	0.1	0.1
United Church of Christ/Congregational	0.4	0.3	0.3	0.4	0.8	0.6	0.5	0.6	0.7	0.9
Other Christian	15.5	12.3	13.4	11.3	10.8	7.6	26.1	20.0	26.9	22.3
Other Religion	3.1	2.2	2.1	2.8	1.5	1.1	1.5	1.8	2.1	1.8
None	17.2	17.1	13.3	11.2	11.7	8.6	8.0	6.6	9.1	11.8
<b>Parent/Guardian 1's current religious preference</b>										
Agnostic	1.9	2.1	3.5	0.6	2.0	1.4	0.9	0.4	1.8	3.3
Atheist	1.6	2.0	2.6	0.9	1.4	1.2	1.1	0.5	1.0	2.4
Baptist	13.0	5.0	9.6	11.8	3.2	2.3	27.4	23.3	20.4	12.2
Buddhist	1.3	1.7	1.7	1.0	0.8	0.8	0.5	0.4	0.5	0.9
Church of Christ	13.8	9.7	6.8	8.4	6.4	4.6	13.1	7.9	7.0	5.9
Eastern Orthodox	1.3	1.1	0.8	0.8	1.6	0.9	0.3	0.2	0.5	0.5
Episcopalian	0.2	0.6	1.6	0.7	0.8	0.9	0.5	0.2	1.1	1.5
Hindu	0.1	0.5	0.5	0.5	0.4	0.6	0.1	0.0	0.3	0.6
Jewish	2.0	2.8	1.5	0.7	1.0	0.9	0.2	0.0	0.6	2.8
LDS (Mormon)	0.6	0.2	0.6	0.2	0.1	0.1	0.3	0.2	0.3	0.2
Lutheran	1.8	1.6	3.9	1.3	2.5	4.3	1.5	2.9	5.1	6.6
Methodist	1.0	2.2	4.9	1.9	2.4	1.6	5.2	4.6	5.4	6.7
Muslim	1.7	2.5	1.2	2.0	1.5	1.4	0.6	0.2	0.9	0.9
Presbyterian	0.9	2.1	3.6	0.6	1.5	1.7	2.8	2.3	4.6	4.6
Quaker	0.1	0.1	0.2	0.1	0.3	0.1	0.0	0.2	0.3	0.1
Roman Catholic	26.6	37.6	29.9	43.7	51.6	60.4	9.6	9.7	13.7	17.4
Seventh-day Adventist	0.6	0.5	0.4	0.9	0.6	0.1	0.5	18.7	0.2	0.2
United Church of Christ/Congregational	0.5	0.3	0.5	0.4	0.7	0.6	0.5	0.7	0.9	0.9
Other Christian	17.0	14.6	14.8	13.4	12.7	8.6	25.7	20.4	26.5	22.4
Other Religion	3.4	2.4	2.1	2.6	1.3	1.1	1.9	1.5	2.0	1.6
None	10.7	10.4	9.3	7.4	7.2	6.5	7.3	5.7	6.9	8.2

PRE-PUBLICATION VERSION 4-19-2017

2016 CIRP Freshman Survey

Weighted National Norms—Public, Catholic, and Other Religious 4-year Colleges by Selectivity

All Respondents	Public 4-year Colleges			Catholic 4-year Colleges			Other Religious 4-year Colleges			
	Low	Medium	High	Low	Medium	High	Very Low	Low	Medium	High
<b>Parent/Guardian 2's current religious preference</b>										
Agnostic	1.6	1.9	3.0	0.7	1.4	1.3	1.0	0.4	1.1	3.0
Atheist	1.5	1.8	2.2	1.1	1.4	1.5	1.2	0.8	1.4	2.6
Baptist	11.2	4.7	9.2	9.9	3.1	1.9	26.5	21.3	20.2	11.7
Buddhist	1.3	1.7	1.9	1.1	0.8	0.9	0.3	0.5	0.8	0.9
Church of Christ	13.1	9.8	6.8	7.2	6.2	4.4	12.1	7.8	6.4	5.7
Eastern Orthodox	1.4	1.1	0.7	1.0	1.6	0.9	0.4	0.2	0.5	0.5
Episcopalian	0.1	0.6	1.6	0.5	0.7	0.9	0.4	0.4	1.1	1.5
Hindu	0.1	0.6	0.5	0.5	0.5	0.6	0.1	0.1	0.4	0.7
Jewish	2.1	2.6	1.5	0.7	1.0	0.7	0.3	0.0	0.6	2.5
LDS (Mormon)	0.3	0.3	0.7	0.1	0.1	0.2	0.3	0.2	0.3	0.2
Lutheran	2.0	1.8	3.9	1.3	2.9	4.6	1.2	2.7	5.4	6.2
Methodist	1.1	2.3	4.9	2.0	2.0	1.5	5.1	4.5	5.1	6.5
Muslim	2.1	2.8	1.3	2.3	1.4	1.5	0.4	0.2	0.9	1.0
Presbyterian	0.7	1.8	3.9	0.5	1.2	1.4	3.0	2.5	4.9	4.8
Quaker	0.1	0.1	0.2	0.2	0.5	0.1	0.1	0.2	0.2	0.1
Roman Catholic	27.7	37.5	30.4	43.0	51.2	59.8	10.6	9.4	12.6	17.9
Seventh-day Adventist	0.6	0.6	0.3	1.1	0.5	0.1	0.6	18.8	0.3	0.2
United Church of Christ/Congregational	0.5	0.3	0.4	0.5	0.8	0.7	0.5	0.7	0.7	0.9
Other Christian	16.8	14.5	15.4	13.5	12.4	8.5	25.3	19.9	27.0	22.4
Other Religion	3.4	2.2	2.0	2.9	1.5	1.1	1.9	1.3	2.2	1.6
None	12.1	11.1	9.3	9.7	8.8	7.4	8.7	8.1	7.9	9.1
<b>What is the highest academic degree that you intend to obtain?</b>										
<b>Highest academic degree planned</b>										
None	1.0	0.6	0.4	0.6	0.8	0.5	1.3	1.1	0.5	0.3
Vocational certificate	0.1	0.2	0.1	0.3	0.1	0.1	0.2	0.2	0.2	0.2
Associate (A.A. or equivalent)	1.0	0.5	0.5	0.9	0.6	0.7	1.9	1.3	0.9	0.6
Bachelor's degree (B.A., B.S., B.D., etc.)	28.8	29.2	24.6	20.8	22.6	21.4	32.6	30.7	30.8	31.2
Master's degree (M.A., M.S., M.B.A., etc.)	39.8	43.5	46.9	40.2	46.1	42.8	36.8	36.3	38.2	37.9
J.D. (Law)	2.8	2.4	2.9	2.7	2.8	5.0	2.2	2.6	2.3	3.9
M.D., D.O., D.D.S., D.V.M., etc. (Medical)	6.9	7.1	7.3	11.4	9.4	14.5	7.0	10.3	8.9	8.5
Ph.D.	11.7	10.0	11.4	12.2	10.7	9.1	9.8	10.5	10.0	12.0
Professional Doctorate (Ed.D., Psy.D., etc.)	7.0	5.5	5.3	9.6	6.4	4.9	6.9	6.0	7.0	4.8
Other	0.8	0.9	0.6	1.4	0.5	0.9	1.2	1.1	1.1	0.6
<b>Highest academic degree planned at this institution</b>										
None	1.3	1.1	0.6	1.3	0.7	0.6	1.6	2.0	1.0	0.6
Vocational certificate	0.3	0.1	0.1	0.1	0.2	0.1	0.8	0.3	0.3	0.2
Associate (A.A. or equivalent)	4.4	3.0	1.2	4.2	1.8	1.9	5.3	4.3	2.5	1.5
Bachelor's degree (B.A., B.S., B.D., etc.)	66.4	66.7	78.8	57.7	62.8	67.6	69.3	69.0	75.9	81.1
Master's degree (M.A., M.S., M.B.A., etc.)	20.9	24.2	16.4	26.3	28.4	19.9	18.3	21.0	14.4	13.3
J.D. (Law)	0.6	0.4	0.2	0.6	0.2	0.9	0.4	0.3	0.2	0.6
M.D., D.O., D.D.S., D.V.M., etc. (Medical)	1.6	1.3	0.6	2.1	1.8	4.9	1.1	0.6	1.5	0.8
Ph.D.	2.0	1.6	0.8	3.3	1.6	1.5	1.0	0.9	1.4	0.9
Professional Doctorate (Ed.D., Psy.D., etc.)	1.3	1.2	0.9	3.0	1.5	1.6	1.2	0.6	1.8	0.6
Other	1.2	0.6	0.5	1.4	0.8	0.8	1.0	1.2	0.8	0.5

PRE-PUBLICATION VERSION 4-19-2017  
2016 CIRP Freshman Survey

Weighted National Norms—Public, Catholic, and Other Religious 4-year Colleges by Selectivity

All Respondents	Public 4-year Colleges			Catholic 4-year Colleges			Other Religious 4-year Colleges			
	Low	Medium	High	Low	Medium	High	Very Low	Low	Medium	High
<b>In the past year, how often have you “Frequently” or “Occasionally”:</b>										
Attended a religious service	68.5	65.7	70.8	77.8	73.7	84.4	85.8	89.2	83.9	79.2
Been bored in class*	36.1	42.0	39.1	33.4	37.8	34.2	37.1	35.8	36.3	37.5
Demonstrated for a cause (e.g., boycott, rally, protest)	22.3	18.9	18.5	26.5	20.3	24.5	17.1	14.8	18.3	21.3
Tutored another student	57.3	51.2	62.5	52.9	49.0	62.0	46.9	47.1	51.5	58.0
Studied with other students	88.2	85.0	88.1	87.4	85.1	93.6	84.3	87.0	86.7	90.4
Consumed beer*	2.6	4.9	2.7	3.7	5.5	7.4	2.7	1.4	2.7	5.1
Consumed wine or liquor*	3.2	5.4	2.7	4.1	5.3	7.6	3.1	2.1	3.0	5.4
Felt overwhelmed by all I had to do*	38.6	43.2	38.6	39.6	42.5	41.7	40.2	40.2	43.0	44.4
Felt depressed*	11.9	12.9	12.0	12.4	12.0	9.9	11.0	11.2	12.5	11.9
Performed volunteer work	80.3	81.4	86.0	86.2	85.0	93.6	83.2	85.1	89.2	90.9
Asked a teacher for advice after class	83.1	82.3	85.9	86.3	81.6	91.6	85.1	83.3	87.6	88.7
Voted in a student election	59.4	58.7	61.2	66.6	60.4	72.0	58.4	57.8	55.6	62.3
Socialized with someone of another racial/ethnic group	94.2	95.4	97.4	96.5	96.4	97.2	94.7	95.0	97.2	97.6
Been late to class*	9.1	9.1	6.8	7.9	6.0	5.9	4.8	5.3	5.6	7.0
Discussed religion	71.2	70.0	78.6	75.3	75.2	85.6	82.6	82.8	86.1	88.8
Discussed politics	79.0	80.4	87.1	80.3	82.2	88.7	76.7	77.5	85.8	89.1
Skipped school/class*	2.9	3.6	2.2	2.0	1.8	2.1	2.4	1.9	2.2	1.9
Publicly communicated my opinion about a cause (e.g., blog, email, petition)	50.8	48.2	45.4	53.9	49.6	50.4	49.4	47.1	48.9	51.9
Helped raise money for a cause or campaign	47.6	49.3	52.1	61.1	57.3	61.7	54.5	56.9	56.4	55.8
Fallen asleep in class*	6.9	7.2	6.8	6.1	5.5	4.1	6.1	6.4	5.5	4.7
Failed to complete homework on time*	5.2	6.3	4.4	5.1	4.4	3.8	4.2	5.3	4.7	4.5
Felt anxious*	30.2	34.7	31.8	33.9	35.8	34.0	31.7	31.0	37.4	39.2
*responses for “Frequently” only										
<b>Students rated as “A Major Strength” or “Somewhat Strong”:</b>										
Ability to see the world from someone else’s perspective	72.7	74.1	74.0	73.0	72.9	77.9	68.8	68.0	70.1	78.7
Tolerance of others with different beliefs	74.7	78.1	80.5	78.6	78.7	79.3	68.7	70.8	72.7	79.8
Openness to having my own views challenged	64.8	63.3	63.0	65.0	63.0	64.1	59.6	54.8	58.0	63.0
Ability to discuss and negotiate controversial issues	67.6	68.0	71.7	69.0	66.7	69.2	64.5	59.0	64.7	69.2
Ability to work cooperatively with diverse people	83.7	84.9	87.4	85.4	85.4	86.4	79.6	80.6	81.9	87.0
Critical Thinking Skills	70.8	70.9	75.9	69.6	72.2	78.4	65.6	65.1	69.7	76.9
Ability to manage your time effectively	52.9	47.5	51.1	50.2	48.7	58.6	53.0	49.8	50.7	51.8
<b>What is the highest level of formal education obtained by Parent/Guardian 1?</b>										
Junior high/Middle school or less	11.8	8.7	3.5	4.5	5.7	2.2	5.2	3.6	4.1	1.6
Some high school	8.4	7.4	4.0	6.3	4.8	1.7	5.4	4.1	3.8	1.8
High school graduate	21.0	20.1	14.4	21.7	18.8	8.7	22.7	19.3	16.8	9.5
Postsecondary school other than college	2.9	3.7	3.0	3.9	3.2	2.5	2.9	4.5	2.8	2.7
Some college	21.1	17.7	15.5	18.5	16.7	10.7	20.2	17.7	15.6	12.7
College degree	21.5	25.9	33.6	27.0	32.0	40.3	26.3	30.3	33.0	37.7
Some graduate school	1.3	1.5	2.1	1.6	1.6	2.8	1.4	1.4	1.8	2.8
Graduate degree	12.1	15.0	23.9	16.4	17.2	31.1	15.9	19.1	22.1	31.2

Weighted National Norms—Public, Catholic, and Other Religious 4-year Colleges by Selectivity

All Respondents	Public 4-year Colleges			Catholic 4-year Colleges			Other Religious 4-year Colleges			
	Low	Medium	High	Low	Medium	High	Very Low	Low	Medium	High
<b>What is the highest level of formal education obtained by Parent/Guardian 2?</b>										
Junior high/Middle school or less	12.9	9.5	3.8	6.3	5.5	2.1	5.0	3.8	3.6	1.5
Some high school	10.0	7.8	4.1	7.8	4.5	1.8	6.3	5.2	3.7	1.9
High school graduate	23.4	23.2	16.6	25.6	22.4	10.6	25.4	21.3	19.1	11.9
Postsecondary school other than college	2.8	3.8	3.3	5.5	4.7	3.2	3.3	4.0	3.8	2.7
Some college	20.2	16.9	15.7	17.4	15.8	12.7	18.8	18.9	16.3	13.1
College degree	19.4	24.9	35.0	23.1	30.9	40.2	27.2	29.2	33.3	39.8
Some graduate school	0.9	1.5	2.2	1.7	2.0	3.3	1.4	2.1	2.3	2.9
Graduate degree	10.3	12.4	19.2	12.8	14.3	26.0	12.6	15.6	17.9	26.2
<b>First generation in college</b>										
Yes	35.5	31.1	16.5	26.6	22.7	9.5	25.8	20.8	18.6	9.5
No	64.5	68.9	83.5	73.4	77.3	90.5	74.2	79.2	81.4	90.5
<b>During the past year, did you "Frequently":</b>										
Ask questions in class	46.0	42.4	50.5	51.2	45.5	57.6	44.1	42.9	46.9	52.1
Support your opinions with a logical argument	52.0	54.2	64.6	55.0	53.4	63.7	48.4	45.4	52.1	63.8
Seek solutions to problems and explain them to others	49.8	49.7	56.4	49.4	45.8	58.4	45.8	44.1	47.9	57.0
Evaluate the quality or reliability of information you received	43.3	43.2	48.3	44.6	39.9	50.4	39.1	36.5	42.2	49.3
Take a risk because you feel you have more to gain	36.4	37.7	35.1	36.3	34.4	38.0	35.2	34.5	32.7	36.2
Seek alternative solutions to a problem	44.7	44.2	46.0	46.3	41.4	46.4	40.0	40.4	42.8	46.5
Look up scientific research articles and resources	24.4	22.5	25.2	24.9	21.8	29.4	21.9	15.4	22.8	24.6
Explore topics on your own, even though it is not required for a class	35.3	37.1	38.1	34.1	29.8	36.3	30.7	28.8	33.2	39.6
Accept mistakes as part of the learning process	58.7	55.0	57.2	57.3	53.8	53.4	52.8	53.3	50.6	54.0
Analyze multiple sources of information before coming to a conclusion	42.6	40.4	44.9	42.6	40.5	47.0	37.2	36.4	39.7	45.6
Take on a challenge that scares you	34.4	32.6	38.1	34.0	32.4	37.5	34.8	33.7	33.3	37.3
<b>Students who are "Absolutely" or "Very" confident</b>										
Use technical science skills (use of tools, instruments, and/or techniques)	44.6	47.9	51.1	47.2	45.5	52.5	43.8	41.3	41.3	45.2
Generate a research question	39.7	36.0	41.2	43.3	38.2	47.5	38.0	33.4	35.4	41.2
Determine how to collect appropriate data	45.6	44.2	48.6	49.4	45.2	54.1	45.2	40.0	41.2	46.7
Explain the results of a study	49.3	50.2	56.6	52.3	52.5	60.1	47.7	44.9	47.5	55.6
Use scientific literature to guide research	32.6	31.1	36.3	36.3	32.6	40.7	31.8	25.7	30.1	34.5
Integrate results from multiple studies	41.0	41.6	47.8	44.6	42.1	53.7	38.8	34.7	38.8	47.0
Ask relevant questions	66.3	68.1	75.1	70.1	68.4	76.0	64.5	65.0	68.3	74.2
Identify what is known and not known about a problem	57.1	59.2	66.0	60.7	59.3	68.6	55.6	54.6	57.1	63.8
Understand scientific concepts	43.2	44.7	53.6	47.3	45.5	53.3	42.0	38.0	40.7	48.0
See connections between different areas of science and mathematics	43.6	47.0	55.8	47.5	47.1	54.6	42.2	40.2	42.4	48.1

## PRE-PUBLICATION VERSION 4-19-2017

## 2016 CIRP Freshman Survey

## Weighted National Norms—Public, Catholic, and Other Religious 4-year Colleges by Selectivity

All Respondents	Public 4-year Colleges			Catholic 4-year Colleges			Other Religious 4-year Colleges			
	Low	Medium	High	Low	Medium	High	Very Low	Low	Medium	High
<b>Race/Ethnicity—mark all that apply (total may add to more than 100%)</b>										
American Indian/Alaska Native	3.0	1.5	3.4	1.9	0.8	1.3	3.2	2.7	2.3	2.0
East Asian (e.g., Chinese, Japanese, Korean, Taiwanese)	3.8	3.2	6.6	1.8	1.6	4.7	2.9	2.0	2.0	5.5
Filipino	5.8	3.0	3.3	1.5	1.1	2.4	2.4	1.9	0.9	1.3
Southeast Asian (e.g., Cambodian, Vietnamese, Hmong)	1.2	2.1	1.8	1.4	0.9	1.1	0.7	0.5	1.7	1.1
South Asian (e.g., Indian, Pakistani, Nepalese, Sri Lankan)	0.6	0.9	1.3	1.5	1.6	1.6	0.4	1.1	0.7	1.6
Other Asian	0.6	0.4	0.5	0.2	0.3	0.5	0.2	0.3	0.4	0.5
Native Hawaiian/Pacific Islander	2.4	0.9	1.1	1.0	0.4	1.3	1.6	1.4	1.1	1.0
African American/Black	31.8	11.7	10.1	34.7	9.5	4.0	31.9	24.1	13.3	6.2
Mexican American/Chicano	26.6	17.2	10.9	5.0	9.6	4.2	9.6	4.0	5.2	5.4
Puerto Rican	1.8	5.4	1.9	8.1	3.7	1.1	1.7	1.5	2.4	1.3
Other Latino	8.9	15.8	5.6	8.2	7.9	3.8	4.6	4.1	5.3	3.3
White/Caucasian	38.3	54.8	73.8	48.2	71.7	84.3	59.4	68.1	77.2	83.2
Other	4.5	3.2	2.3	2.5	2.3	1.6	3.2	1.9	1.9	1.7
<b>Students “Agree Strongly” or “Agree Somewhat”:</b>										
Wealthy people should pay a larger share of taxes than they do now	76.6	72.9	66.5	79.0	76.1	63.0	65.5	64.4	66.7	65.4
Addressing global climate change should be a federal policy	79.9	80.7	75.9	81.6	79.1	76.0	66.9	62.8	66.7	74.8
The federal government should have stricter gun control laws	72.7	71.2	58.5	80.2	71.1	65.4	53.2	47.4	52.8	61.1
Affirmative action in college admissions should be abolished	54.0	50.4	51.1	54.1	52.6	52.4	48.9	42.2	43.7	46.3
The federal government should raise taxes to reduce the deficit	36.6	36.2	35.8	35.3	32.5	34.5	30.8	28.0	31.6	37.0
Sexual activity that occurs without the presence of explicit, affirmative consent (i.e., “yes means yes”) is considered sexual assault	84.7	86.5	86.4	85.1	84.4	87.2	82.1	82.0	86.4	88.5
There is little that a person can do to be better at math—you are either “good” or “bad” at math	35.3	34.2	27.0	37.1	33.4	27.7	39.8	36.0	31.9	26.8
Intelligence is something that can be improved by studying or working harder	91.2	89.7	91.8	91.8	91.2	91.9	89.9	90.2	90.3	90.2
<b>How would you characterize your political views?</b>										
Far left	4.6	3.9	3.4	4.0	3.2	2.2	3.1	2.8	3.5	3.9
Liberal	30.6	32.7	25.4	29.2	28.3	22.9	14.8	13.5	19.4	28.6
Middle-of-the-road	45.5	44.2	42.5	49.2	46.9	43.1	44.5	47.5	39.6	38.8
Conservative	16.8	16.9	26.4	15.9	19.5	29.3	33.3	32.9	34.5	26.5
Far right	2.4	2.4	2.3	1.7	2.1	2.6	4.2	3.4	3.0	2.1

PRE-PUBLICATION VERSION 4-19-2017

2016 CIRP Freshman Survey

Weighted National Norms—Public, Catholic, and Other Religious 4-year Colleges by Selectivity

All Respondents	Public 4-year Colleges			Catholic 4-year Colleges			Other Religious 4-year Colleges			
	Low	Medium	High	Low	Medium	High	Very Low	Low	Medium	High
<b>The following reasons were "Very Important" in deciding to go to college:</b>										
To be able to get a better job	86.7	84.1	84.7	91.0	89.4	87.7	84.6	82.5	79.9	80.2
To gain a general education and appreciation of ideas	78.3	74.5	71.4	84.1	77.2	78.7	77.4	72.0	74.5	74.6
To make me a more cultured person	51.1	48.3	45.8	56.8	50.7	54.7	50.4	47.0	50.2	56.5
To be able to make more money	80.4	78.2	67.6	82.1	77.5	71.3	74.0	69.3	63.2	61.9
To learn more about things that interest me	84.0	83.2	80.6	85.9	82.4	84.2	82.6	81.3	82.2	86.6
To get training for a specific career	83.3	81.4	80.3	89.3	85.6	78.9	84.7	84.9	79.7	75.8
To prepare myself for graduate or professional school	68.1	60.1	52.5	74.7	65.0	63.5	63.6	61.0	55.1	51.4
To please my family	50.9	41.0	32.0	48.7	40.6	34.9	49.1	37.9	34.2	25.4
<b>During your last year in high school, how much time did you spend during a typical week doing the following activities?</b>										
<b>Studying/homework</b>										
None	2.1	3.1	1.5	2.3	2.5	0.8	1.9	2.5	1.9	1.2
Less than one hour	9.9	12.2	8.7	10.0	9.4	4.7	11.9	11.5	7.6	6.3
1 to 2 hours	26.7	25.0	20.2	24.1	23.2	13.3	25.2	23.1	23.1	16.8
3 to 5 hours	30.6	28.9	28.0	29.1	29.3	24.2	28.0	28.1	29.1	27.9
6 to 10 hours	17.4	17.0	20.9	19.0	20.7	26.7	17.6	20.4	20.2	24.2
11 to 15 hours	7.1	7.2	11.1	8.0	8.6	15.9	8.2	8.2	9.4	12.4
16 to 20 hours	3.3	3.6	5.7	4.2	3.8	8.6	4.1	3.5	5.1	6.3
Over 20 hours	2.9	2.9	4.0	3.4	2.4	5.9	3.3	2.5	3.6	4.9
<b>Socializing with friends</b>										
None	1.0	0.9	0.8	0.8	0.6	0.5	0.8	0.7	0.9	0.6
Less than one hour	3.9	3.0	2.5	3.6	2.2	2.4	3.5	2.9	2.9	2.1
1 to 2 hours	15.5	12.4	11.9	11.8	9.5	7.9	13.8	10.6	10.9	9.4
3 to 5 hours	28.5	26.3	27.0	26.5	25.4	24.7	25.3	24.0	25.3	26.0
6 to 10 hours	22.9	25.3	26.5	23.2	26.2	30.0	23.4	25.8	26.4	28.6
11 to 15 hours	11.2	13.5	14.0	12.9	14.4	17.8	13.7	15.2	14.8	16.2
16 to 20 hours	6.3	7.5	7.8	8.1	9.7	8.5	7.0	9.0	7.5	8.2
Over 20 hours	10.7	11.0	9.5	13.1	12.0	8.3	12.5	11.9	11.3	8.9
<b>Online social networks (Facebook, Twitter, etc.)</b>										
None	4.1	3.5	4.5	3.1	2.9	3.1	3.5	3.2	4.4	3.9
Less than one hour	10.0	8.5	9.1	7.0	6.3	7.7	10.2	8.6	7.7	7.3
1 to 2 hours	21.0	18.6	20.5	17.4	18.8	20.7	20.2	22.2	21.3	20.7
3 to 5 hours	23.7	25.3	26.1	25.2	27.0	29.8	27.0	26.1	28.3	28.8
6 to 10 hours	17.3	18.8	18.9	19.8	20.2	20.2	16.1	17.6	17.8	19.3
11 to 15 hours	9.3	10.5	9.2	10.2	9.9	9.4	9.5	8.8	8.5	9.9
16 to 20 hours	5.1	5.7	5.0	6.3	5.6	4.6	5.0	5.6	5.4	5.0
Over 20 hours	9.4	9.1	6.7	11.1	9.2	4.4	8.5	7.9	6.5	5.1
<b>Partying</b>										
None	41.6	37.3	49.4	36.2	36.6	36.5	48.1	53.5	54.2	49.0
Less than one hour	16.2	15.7	17.3	14.8	15.7	16.5	14.2	15.8	15.0	17.0
1 to 2 hours	19.6	18.2	15.3	19.2	18.6	17.9	16.3	13.5	13.5	15.3
3 to 5 hours	14.1	16.1	10.7	17.6	17.3	17.3	13.0	9.6	10.3	11.5
6 to 10 hours	5.1	7.1	4.7	6.9	7.5	8.0	4.5	4.0	4.0	4.6
11 to 15 hours	1.8	2.9	1.4	2.9	2.2	2.3	1.6	1.5	1.5	1.4
16 to 20 hours	0.7	1.2	0.6	1.2	1.3	0.7	0.9	0.9	0.7	0.6
Over 20 hours	0.9	1.4	0.5	1.2	0.8	0.9	1.3	1.1	0.9	0.7

## PRE-PUBLICATION VERSION 4-19-2017

## 2016 CIRP Freshman Survey

## Weighted National Norms—Public, Catholic, and Other Religious 4-year Colleges by Selectivity

All Respondents	Public 4-year Colleges			Catholic 4-year Colleges			Other Religious 4-year Colleges			
	Low	Medium	High	Low	Medium	High	Very Low	Low	Medium	High
<b>During your last year in high school, how much time did you spend during a typical week doing the following activities?</b>										
<b>Student clubs/groups</b>										
None	28.6	25.4	21.4	23.4	19.9	11.8	29.2	27.8	23.0	16.8
Less than one hour	13.1	13.0	13.2	10.7	12.4	10.3	13.8	12.7	12.7	11.2
1 to 2 hours	22.5	22.7	24.0	23.5	24.7	26.2	23.5	21.6	22.8	23.3
3 to 5 hours	16.5	17.9	19.4	19.9	20.3	25.7	16.4	17.5	18.6	20.6
6 to 10 hours	8.9	10.4	11.1	11.5	11.7	14.4	7.3	9.8	11.1	13.7
11 to 15 hours	4.1	4.9	4.9	5.2	5.2	7.0	4.4	5.0	5.4	7.2
16 to 20 hours	2.3	2.4	2.5	2.4	2.6	2.1	2.1	2.3	2.3	3.5
Over 20 hours	3.8	3.4	3.4	3.3	3.3	2.5	3.4	3.3	4.1	3.7
<b>Exercise or sports</b>										
None	13.4	11.5	8.9	11.3	8.4	4.8	8.9	9.3	10.1	8.5
Less than one hour	10.8	9.9	8.1	8.8	7.8	5.1	6.2	7.6	8.5	8.5
1 to 2 hours	18.9	16.5	12.4	17.0	14.3	12.5	14.6	12.7	12.9	14.2
3 to 5 hours	19.0	18.8	15.0	16.7	18.0	17.4	16.6	15.7	16.6	17.9
6 to 10 hours	14.8	16.7	18.9	15.9	16.1	22.8	15.1	16.5	16.5	18.0
11 to 15 hours	9.3	11.3	16.4	12.3	14.2	17.4	13.1	13.4	13.7	14.2
16 to 20 hours	5.4	6.7	9.3	6.7	8.3	10.0	9.3	9.8	9.2	8.9
Over 20 hours	8.5	8.6	11.1	11.3	12.8	10.0	16.3	14.9	12.5	9.8
<b>Working (for pay)</b>										
None	52.0	42.4	48.8	35.3	30.0	36.5	43.4	35.5	34.0	41.1
Less than one hour	3.0	2.4	3.2	2.2	2.7	3.6	4.0	3.2	2.8	4.7
1 to 2 hours	4.0	4.2	5.1	4.4	4.3	6.3	5.6	4.8	5.4	6.4
3 to 5 hours	7.1	7.2	7.7	8.2	9.1	11.1	9.8	9.9	8.4	9.6
6 to 10 hours	9.2	10.2	10.1	13.2	14.9	14.4	10.6	13.6	13.7	11.8
11 to 15 hours	6.2	10.1	8.3	10.6	12.8	12.3	8.1	10.1	11.7	10.0
16 to 20 hours	7.6	10.2	7.5	10.3	12.2	8.4	7.0	10.2	11.3	8.1
Over 20 hours	10.9	13.3	9.3	15.7	14.0	7.4	11.6	12.7	12.6	8.4
<b>Household/childcare duties</b>										
None	23.6	21.5	24.0	21.0	19.4	20.1	27.3	27.3	22.0	24.8
Less than one hour	14.1	16.2	16.0	14.7	16.7	17.3	15.1	15.9	15.4	18.1
1 to 2 hours	25.5	26.4	27.8	24.8	26.4	29.9	23.8	25.5	25.8	27.9
3 to 5 hours	18.9	19.2	18.9	19.9	21.5	19.8	17.3	17.4	20.5	18.7
6 to 10 hours	8.6	8.6	7.0	9.6	8.8	7.8	8.7	7.1	8.5	6.2
11 to 15 hours	3.4	3.7	2.9	3.3	2.9	2.7	3.0	2.6	3.3	2.1
16 to 20 hours	1.9	1.4	1.5	2.7	1.9	1.1	1.7	1.8	1.9	1.0
Over 20 hours	4.0	3.0	2.0	4.1	2.4	1.3	3.2	2.4	2.8	1.2

PRE-PUBLICATION VERSION 4-19-2017

2016 CIRP Freshman Survey

Weighted National Norms—Public, Catholic, and Other Religious 4-year Colleges by Selectivity

All Respondents	Public 4-year Colleges			Catholic 4-year Colleges			Other Religious 4-year Colleges			
	Low	Medium	High	Low	Medium	High	Very Low	Low	Medium	High
<b>The following reasons were "Very Important" in deciding to go to this particular college:</b>										
My parents/relatives wanted me to come here	22.4	17.9	16.2	20.8	18.1	17.8	20.8	19.8	15.6	12.8
My teacher advised me	11.3	8.6	6.4	9.8	8.5	7.4	9.6	7.0	8.0	5.8
This college has a very good academic reputation	48.0	56.6	71.3	67.4	65.9	73.9	52.4	58.9	62.4	68.2
This college has a good reputation for its social and extracurricular activities	42.8	50.5	48.3	47.6	46.4	54.5	49.9	50.8	51.1	54.9
I was offered financial assistance	44.3	36.8	40.1	71.2	66.4	61.4	62.3	60.1	69.5	59.9
The cost of attending this college	56.4	49.9	50.9	57.8	52.0	34.2	38.1	40.0	40.0	33.4
High school counselor advised me	16.1	12.9	7.7	15.4	12.1	11.3	11.1	7.4	9.5	7.9
Private college counselor advised me	6.9	4.9	2.7	7.4	7.3	8.3	9.7	6.9	6.4	6.6
I wanted to live near home	35.9	32.3	18.6	35.0	34.5	18.4	24.2	19.9	24.0	14.5
Not offered aid by first choice	14.3	11.4	7.3	16.7	15.1	11.5	13.1	8.9	9.8	8.4
Could not afford first choice	21.1	16.6	11.0	19.4	18.4	11.4	13.8	11.3	11.1	9.5
This college's graduates gain admission to top graduate/professional schools	24.6	25.9	34.9	40.4	34.7	41.3	25.4	27.8	27.0	33.1
This college's graduates get good jobs	41.1	45.7	64.7	62.8	61.0	67.8	49.0	52.2	54.3	59.0
I was attracted by the religious affiliation/orientation of this college	7.5	5.7	3.8	15.3	13.5	26.5	34.3	38.7	37.3	26.2
I wanted to go to a school about the size of this college	27.1	30.0	30.0	51.0	48.6	57.2	47.0	49.2	56.4	55.2
Rankings in national magazines	9.4	11.1	14.9	17.1	13.4	22.5	12.3	9.3	10.2	18.2
I was admitted through an Early Action or Early Decision program	8.5	7.6	6.9	17.4	17.5	23.4	13.0	9.3	12.2	15.5
A visit to this campus	34.2	39.8	44.7	50.5	52.8	61.6	51.0	51.3	56.5	60.8
This college's graduates make a difference in the world	32.0	31.1	52.4	45.8	38.5	47.8	39.2	36.2	43.1	47.6
<b>Students rated as "Highest 10%" or "Above Average" as compared with the average person their age:</b>										
Academic ability	58.9	64.4	72.6	55.3	60.0	72.6	56.7	58.8	63.0	75.0
Artistic ability	32.7	32.7	29.6	26.5	28.4	25.6	27.6	27.1	31.6	38.6
Compassion	69.0	69.5	66.6	71.5	69.5	74.4	68.6	68.6	69.5	74.7
Creativity	55.6	54.0	50.2	51.5	50.9	47.7	53.4	51.1	50.9	56.4
Drive to achieve	75.1	73.9	78.2	75.5	72.8	77.9	75.0	74.8	73.6	76.7
Emotional health	48.4	45.9	47.4	46.8	43.3	51.4	49.4	48.1	43.9	47.1
Leadership ability	59.2	58.5	65.2	58.4	56.5	66.7	64.4	62.9	60.0	65.2
Mathematical ability	37.0	40.9	50.3	36.0	37.3	46.2	36.9	38.4	36.9	42.5
Physical health	47.8	50.4	55.9	50.1	51.0	58.2	56.8	57.1	51.7	52.6
Public speaking ability	35.9	35.1	41.8	32.1	33.1	42.0	35.1	34.1	34.4	43.8
Risk-taking	46.5	44.5	43.1	43.6	41.4	42.0	47.7	43.5	39.6	41.5
Self-confidence (intellectual)	56.6	55.1	58.7	53.0	49.4	56.3	58.4	53.5	53.2	58.7
Self-confidence (social)	50.5	47.5	45.9	45.4	42.5	45.3	51.1	48.7	43.6	45.0
Spirituality	41.1	34.8	37.2	39.2	33.8	41.3	49.1	48.1	49.4	44.6
Understanding of others	74.4	73.7	70.7	72.0	72.4	74.9	69.7	68.4	70.1	74.7
Writing ability	45.2	42.4	47.3	43.0	41.5	49.1	40.4	41.1	41.4	51.5

## PRE-PUBLICATION VERSION 4-19-2017

## 2016 CIRP Freshman Survey

## Weighted National Norms—Public, Catholic, and Other Religious 4-year Colleges by Selectivity

All Respondents	Public 4-year Colleges			Catholic 4-year Colleges			Other Religious 4-year Colleges			
	Low	Medium	High	Low	Medium	High	Very Low	Low	Medium	High
<b>Military Status:</b>										
None	98.6	99.4	71.5	98.7	99.4	98.2	98.2	99.2	99.1	99.4
ROTC, cadet, or midshipman at a service academy	0.9	0.5	26.8	0.9	0.3	1.7	1.6	0.6	0.6	0.3
In the Reserves or National Guard	0.2	0.1	0.3	0.1	0.1	0.1	0.2	0.1	0.2	0.2
On Active Duty	0.1	0.0	1.3	0.1	0.0	0.0	0.1	0.0	0.0	0.0
A discharged veteran NOT serving in Active Duty, Reserves, or National Guard	0.2	0.1	0.1	0.1	0.2	0.0	0.0	0.0	0.1	0.1
<b>How many years do you expect it will take you to graduate from this college?</b>										
1	0.1	0.0	0.0	0.0	0.0	0.1	0.2	0.1	0.1	0.0
2	0.7	1.2	0.2	0.7	0.4	0.2	0.8	1.0	0.6	0.2
3	2.4	3.0	1.7	1.4	1.5	1.7	3.0	8.2	4.1	2.5
4	78.4	85.7	87.0	83.6	84.1	89.9	85.0	80.5	87.9	93.1
5	13.2	6.6	8.8	7.2	11.0	5.4	6.5	6.8	3.2	2.8
6 or more	2.8	1.8	1.3	5.2	2.2	2.3	1.3	1.7	2.5	0.8
Do not plan to graduate from this college	2.5	1.7	0.9	1.8	0.9	0.3	3.2	1.7	1.6	0.6
<b>What is your sexual orientation?</b>										
Heterosexual/Straight	92.1	92.1	91.4	92.9	93.4	95.3	96.0	95.5	93.6	92.2
Gay	1.1	1.4	0.8	0.7	1.2	0.7	0.5	0.7	0.6	1.5
Lesbian	0.9	0.6	1.0	0.8	0.6	0.3	0.6	0.5	0.5	0.6
Bisexual	3.9	4.1	4.5	3.8	3.1	2.4	2.1	2.4	3.3	3.8
Queer	0.2	0.4	0.5	0.4	0.4	0.4	0.1	0.2	0.4	0.6
Other	1.7	1.4	1.8	1.4	1.3	1.0	0.8	0.8	1.7	1.3
<b>Do you identify as transgender?</b>										
Yes	0.3	0.4	0.4	0.3	0.3	0.2	0.2	0.4	0.6	0.3
No	99.7	99.6	99.6	99.7	99.7	99.8	99.8	99.6	99.4	99.7
<b>Students with disabilities or medical conditions</b>										
Learning Disability (dyslexia, etc.)	3.2	3.3	2.7	5.5	4.8	4.4	4.7	4.5	4.8	4.4
Attention deficit hyperactivity disorder (ADHD)	5.1	6.2	5.4	7.4	5.8	7.4	8.4	7.9	8.9	8.6
Autism spectrum disorder	0.8	0.6	0.6	0.9	0.8	0.6	0.7	0.6	1.4	1.0
Physical disability (speech, sight, mobility, hearing, etc.)	5.5	5.1	5.5	5.9	5.4	3.6	5.7	5.5	5.7	5.1
Chronic illness (cancer, diabetes, autoimmune disorders, etc.)	1.7	2.1	2.3	3.1	2.5	3.3	2.7	2.7	3.1	3.2
Psychological disorder (depression, etc.)	7.5	8.9	10.0	11.2	11.8	10.6	7.7	8.9	13.2	14.4
Other	4.5	5.0	4.3	7.5	5.6	4.8	5.7	5.0	6.7	5.5
<b>Will you pursue a science-related research career?</b>										
Definitely yes	12.5	13.9	16.9	18.3	16.5	13.4	12.6	12.0	12.3	10.9
Probably yes	18.3	16.5	21.8	18.3	15.7	16.6	17.9	15.9	15.0	14.6
Uncertain	25.7	21.5	21.7	24.1	20.2	21.3	22.8	18.7	18.8	17.9
Probably no	26.2	26.3	25.5	21.5	23.7	28.0	25.7	29.4	27.2	27.5
Definitely no	17.2	21.8	14.2	17.8	23.9	20.7	21.0	24.0	26.8	29.1
<b>Students who "Strongly Agree" or "Agree Somewhat"</b>										
I have a strong sense of belonging to a community of scientists	21.4	23.0	26.7	28.5	24.5	25.9	22.5	18.2	20.3	20.0
I derive great personal satisfaction from working on a team that is doing important research	44.5	44.4	51.1	48.3	43.3	48.7	42.1	37.1	39.0	41.6
I think of myself as a scientist	14.6	16.2	20.1	17.1	15.3	18.6	13.7	11.9	13.1	15.1
I feel like I belong in the field of science	25.3	28.1	36.0	34.5	31.6	35.4	25.5	24.8	25.6	26.7

Weighted National Norms—Public, Catholic, and Other Religious 4-year Colleges by Selectivity

All Respondents	Public 4-year Colleges			Catholic 4-year Colleges			Other Religious 4-year Colleges			
	Low	Medium	High	Low	Medium	High	Very Low	Low	Medium	High
<b>Objectives considered to be "Essential" or "Very Important":</b>										
Becoming accomplished in one of the performing arts (acting, dancing, etc.)	22.0	18.9	15.4	18.9	16.5	13.4	20.7	18.7	20.2	26.8
Becoming an authority in my field	58.4	57.8	59.1	60.9	57.2	59.1	56.5	55.7	53.7	57.5
Obtaining recognition from my colleagues for contributions to my special field	56.5	58.8	53.1	62.7	59.1	58.4	52.9	48.4	50.1	54.9
Influencing the political structure	29.2	27.0	25.0	31.8	24.7	26.0	24.9	21.5	21.8	24.8
Influencing social values	50.8	48.5	45.4	54.7	50.8	50.9	49.6	45.2	49.4	50.7
Raising a family	72.3	71.4	71.4	78.7	77.2	80.1	77.5	80.2	78.1	72.8
Being very well off financially	87.2	85.7	81.4	89.1	85.5	82.3	79.8	78.4	74.5	73.4
Helping others who are in difficulty	77.5	74.9	76.5	83.0	80.0	82.0	77.6	78.9	80.8	79.2
Making a theoretical contribution to science	25.3	23.5	21.7	29.5	25.5	24.9	23.7	19.9	19.1	19.0
Writing original works (poems, novels, etc.)	22.1	19.7	13.5	20.5	17.3	14.9	19.3	17.4	20.0	23.3
Creating artistic works (painting, sculpture, etc.)	22.1	20.5	14.9	18.4	18.9	14.2	21.2	16.8	19.5	21.3
Becoming successful in a business of my own	51.9	45.8	35.2	51.8	39.5	41.5	46.9	42.9	35.6	38.1
Becoming involved in programs to clean up the environment	38.6	35.4	29.7	36.9	32.3	31.2	32.5	28.0	27.0	29.5
Developing a meaningful philosophy of life	46.2	43.0	43.9	47.2	41.3	46.5	44.7	40.8	43.0	48.8
Participating in a community action program	38.7	33.1	29.2	43.9	38.9	38.8	38.3	33.0	32.8	35.5
Helping to promote racial understanding	54.1	46.6	41.4	55.8	47.6	41.6	45.9	42.9	42.6	45.5
Keeping up to date with political affairs	42.8	40.6	45.7	43.3	41.6	45.0	37.5	32.2	37.8	44.3
Becoming a community leader	42.0	38.6	42.7	45.6	41.1	46.0	43.3	40.2	41.1	44.1
Improving my understanding of other countries and cultures	55.5	54.3	58.5	58.2	55.3	59.4	52.1	50.1	56.9	62.3
Integrating spirituality into my life	47.6	39.9	43.9	50.1	42.2	52.0	62.6	65.8	61.6	56.7
<b>Students estimate "Very Good Chance" that they will:</b>										
Change major field	13.2	11.5	12.0	7.7	7.3	11.5	8.7	7.0	8.7	10.8
Change career choice	10.9	10.9	10.0	7.1	8.0	12.1	8.6	7.0	9.2	12.8
Participate in student government	9.5	8.8	7.0	10.8	5.9	8.0	8.0	5.8	6.4	6.5
Get a job to help pay for college expenses	57.5	54.1	41.4	56.1	55.7	49.6	49.4	50.4	52.3	49.0
Join a social fraternity or sorority	16.3	13.8	7.6	14.4	4.3	9.0	8.9	8.6	4.3	13.3
Transfer to another college before graduating	9.4	7.0	3.9	6.5	4.5	2.8	10.0	6.6	5.3	3.2
Participate in volunteer or community service work	28.8	32.2	30.6	39.4	37.9	44.9	34.6	32.0	40.1	41.1
Seek personal counseling	15.8	15.6	11.6	15.1	12.5	12.7	13.0	11.9	14.3	13.0
Communicate regularly with your professors	43.2	38.9	47.9	51.0	41.8	58.3	41.6	38.1	52.0	53.1
Participate in student clubs/groups	37.3	43.0	49.4	49.2	44.5	59.9	35.2	34.4	42.1	53.0
Participate in a study abroad program	22.5	24.2	25.1	30.7	33.2	42.5	22.9	22.0	27.5	44.4
Work on a professor's research project	21.4	18.3	16.1	28.0	18.4	20.9	20.5	15.2	17.7	18.8
Get tutoring help in specific courses	41.8	35.6	36.0	43.4	31.7	37.9	32.1	30.2	30.6	27.7
Take courses from more than one college simultaneously	8.5	6.2	4.0	8.8	7.2	5.7	7.1	5.6	4.6	3.9
Take a leave of absence from this college temporarily	3.4	3.2	1.3	3.5	2.0	2.1	3.0	3.1	1.9	1.3
Take a course exclusively online	8.1	8.5	3.9	6.0	3.2	5.4	8.9	9.9	5.1	4.7
Vote in a local, state, or national election	51.4	53.9	64.7	53.6	57.4	64.6	50.1	50.3	57.1	66.3

## PRE-PUBLICATION VERSION 4-19-2017

## 2016 CIRP Freshman Survey

## Weighted National Norms—Public, Catholic, and Other Religious 4-year Colleges by Selectivity

All Respondents	Public 4-year Colleges			Catholic 4-year Colleges			Other Religious 4-year Colleges				
	Low	Medium	High	Low	Medium	High	Very Low	Low	Medium	High	
<b>CIRP Construct: Habits of Mind</b>											
High	40.0	40.5	31.2	39.6	43.5	31.6	45.7	47.5	42.8	32.4	
Average	39.8	40.4	47.6	38.0	39.3	42.9	35.7	38.4	39.2	45.0	
Low	20.2	19.2	21.1	22.3	17.2	25.5	18.6	14.1	18.0	22.6	
Mean	47.65	47.40	48.78	47.93	47.00	49.65	46.58	45.81	47.15	48.94	
<b>CIRP Construct: Academic Self-Concept</b>											
High	38.3	34.2	27.3	41.5	39.3	27.1	39.8	39.1	36.3	25.5	
Average	44.4	48.8	48.2	42.5	45.0	51.1	43.1	43.3	47.1	52.5	
Low	17.3	17.0	24.4	16.0	15.7	21.8	17.1	17.6	16.6	22.0	
Mean	48.16	48.46	50.30	47.57	47.59	49.87	47.87	47.86	47.98	49.84	
<b>CIRP Construct: Social Self-Concept</b>											
High	33.4	35.7	30.1	36.5	38.4	29.1	31.5	33.3	36.0	29.9	
Average	40.1	39.2	43.3	39.2	40.3	44.8	39.6	41.4	41.6	44.0	
Low	26.5	25.1	26.6	24.3	21.3	26.1	28.9	25.3	22.4	26.0	
Mean	50.13	49.53	50.26	49.41	49.07	50.68	50.62	49.80	49.23	50.38	
<b>CIRP Construct: Pluralistic Orientation</b>											
High	30.5	28.7	27.5	28.1	28.7	28.7	36.8	39.9	37.0	28.1	
Average	38.1	41.2	45.2	39.8	44.4	43.6	37.6	40.2	39.5	44.0	
Low	31.4	30.1	27.3	32.1	26.9	27.8	25.5	19.9	23.5	27.8	
Mean	49.81	49.90	49.74	50.08	49.42	49.66	48.26	47.22	48.10	49.75	
<b>CIRP Construct: Social Agency</b>											
High	19.3	24.1	24.7	17.0	20.1	18.0	20.4	24.6	22.3	20.0	
Average	43.4	44.2	46.1	41.6	44.3	47.5	44.6	45.6	47.3	45.8	
Low	37.3	31.7	29.2	41.5	35.5	34.5	35.0	29.8	30.4	34.2	
Mean	52.38	50.98	50.56	53.35	51.88	52.03	51.61	50.69	51.04	51.74	
<b>CIRP Construct: Civic Engagement</b>											
High	21.9	23.5	21.4	17.9	19.1	14.6	20.4	23.8	20.6	17.6	
Average	42.9	43.6	45.7	37.6	42.7	42.0	45.8	45.6	44.8	43.1	
Low	35.2	33.0	32.9	44.5	38.1	43.4	33.8	30.6	34.6	39.3	
Mean	51.91	51.47	51.64	53.64	52.41	53.61	51.77	51.08	52.00	52.88	
<b>CIRP Construct: College Reputation Orientation</b>											
High	46.5	40.4	25.7	26.9	28.4	21.7	42.0	36.1	34.8	29.4	
Average	32.8	37.1	41.5	34.9	38.5	39.0	34.3	38.8	40.2	39.8	
Low	20.8	22.5	32.8	38.2	33.1	39.3	23.7	25.1	25.0	30.8	
Mean	47.04	48.03	51.10	51.34	50.90	52.22	47.99	49.02	49.25	50.36	
<b>CIRP Construct: Likelihood of College Involvement</b>											
High	40.5	35.5	32.3	29.8	32.8	20.0	42.2	41.3	33.3	24.7	
Average	39.1	41.5	43.3	37.5	39.6	39.9	37.6	41.1	42.1	40.0	
Low	20.4	23.0	24.4	32.7	27.6	40.1	20.2	17.6	24.5	35.3	
Mean	47.32	48.13	48.87	49.78	48.85	51.66	46.91	46.74	48.48	50.73	
<b>CIRP Construct: Science Self-Efficacy</b>											
High	37.8	36.3	28.0	33.5	35.3	26.4	39.5	42.8	39.7	31.6	
Average	41.0	43.1	47.8	41.4	45.0	46.5	41.1	41.9	41.7	45.8	
Low	21.1	20.7	24.3	25.1	19.7	27.0	19.4	15.3	18.6	22.7	
Mean	48.47	48.48	49.81	49.79	48.76	51.09	48.09	46.92	47.78	49.31	
<b>CIRP Construct: Science Identity</b>											
High	31.7	34.8	27.6	28.1	33.5	29.7	34.7	39.6	39.6	40.5	
Average	45.8	40.7	41.5	43.1	40.4	40.9	42.9	41.3	39.3	36.5	
Low	22.4	24.6	30.8	28.7	26.1	29.3	22.4	19.1	21.1	22.9	
Mean	49.02	48.81	50.28	50.30	49.09	49.95	48.52	47.43	47.66	47.61	

APPENDIX A

**Research Methodology**



## RESEARCH METHODOLOGY

The data reported here have been weighted to provide a normative picture of the American college first-year student population for persons engaged in policy analysis, human resource planning, campus administration, educational research, and guidance and counseling, as well as for the general community of students and parents. This Appendix provides a brief overview of the CIRP methodology and describes the procedures used to weight the annual freshman survey results to produce the national normative estimates.

### Historical Overview

From 1966 to 1970, approximately 15 percent of the nation's institutions of higher education were selected by sampling procedures and invited to participate in the program. As the academic community became aware of the value of program participation, additional institutions asked to participate. Beginning in 1971, all institutions that have entering first-year classes and that respond to the U.S. Department of Education's Higher Education General Information Survey were invited to participate. A minimal charge plus a unit rate based on the number of forms processed helps to defray the direct costs of the survey.

### The National Population for 2016

For the purposes of the 2016 CIRP Freshman Survey, the population has been defined as all institutions of higher education admitting first-time first-year students and granting a baccalaureate-level degree or higher listed in the U.S. Department of Education's Integrated Postsecondary Education Data System (IPEDS). An institution is considered eligible if it was operating at the time of the IPEDS survey and had a first-time, full-time freshman class of at least 25 students. In addition, a small number of institutions or their branches are included even though their separate enrollments were not available from the IPEDS files. In 2016, the national population included 1,568 institutions. It should be noted that the population reflects institutions of "higher education," rather than "postsecondary education." Most proprietary, special vocational, or semiprofessional institutions are not currently included in the population.

### Institutional Stratification Design

The institutions identified as part of the national population are divided into 26 stratification groups based on type (four-year college, university), control (public, private nonsectarian, Roman Catholic, other religious), institutional race (predominantly non-Black, predominantly Black), and the "selectivity level" of the institution. Selectivity, defined as the median SAT Verbal and Math scores of the entering class

(or ACT composite score), was made an integral part of the stratification design in 1968.

Table A1 shows the distribution of institutions across the stratification cells. The dividing lines between low, medium and high selectivity levels are different for different types of institutions and should not be used as a measure of institutional or program quality.

A comprehensive restratification of the national population was undertaken in 2008 and is updated every few years, reviewing not only institutions' selectivity scores but also their control and religious affiliation (if any) as reported to IPEDS. In 2016, "university" is defined by 2010 Basic Carnegie Classification as "research universities" or "doctoral/research universities." Appendix C lists the current stratification cell assignment of institutions that participated in the 2016 CIRP Freshman Survey.

Having defined the population in terms of the stratification cell scheme, the IPEDS file is used to compute the male and female first-time, full-time (FTFT) population in each cell. These population counts form the target counts of the weighting procedure.

### Identifying the Norms Sample

Generally speaking, an institution is included in the national norms sample if it provided a representative sample of its FTFT population. The minimum percentage required of a sample is 65 percent. Institutions whose sample proportions were less than but close to these cutoffs are included if the method used to administer the survey showed no systematic biases in first-year class coverage.

Information about the FTFT population and the method of survey administration is obtained from participating institutions at the time they return their completed surveys. In the event an institution did not return FTFT information, HERI uses counts from the most recently published IPEDS survey at the time the norms sample is designated. This procedure, although not optimal, is adequate unless the institution experienced a substantial change in its FTFT population since the last IPEDS survey.

### The 2016 Data

Although 171,300 respondents at 253 two- and four-year colleges and universities returned their forms in time for their data to be included in the 2016 norms, the normative data presented here are based on responses from 137,456 FTFT freshmen entering 184 baccalaureate institutions.

The normative data presented here were collected by administering the 2016 CIRP Freshman Survey during registration, freshman orientation, or the first few weeks of classes (i.e., before the students have had any substantial experience with college life). The survey is designed to elicit a wide range of biographic and demographic data, as well as data on the students' high school background, career plans, educational aspirations, financial arrangements, high school activities, and current attitudes. In addition to standard biographic and demographic items that have been administered annually to each entering class, the survey also contains other research-oriented items that may have been modified from previous years.

Table A1. 2016 CIRP Freshman Survey National Norms Sample and Population

Institution Type	Strat Cell	Selectivity		Institutions			First-time, Full-time Freshmen				Cell Weights	
		Level	Average Score	Population	Survey	Norms Sample	Unweighted Number	Weighted			Men	Women
								Number	Men	Women		
Public Universities	1	low	600–1050	47	10	5	7,489	106,339	45,830	60,509	18.07	14.56
	2	medium	1051–1220	94	8	5	12,771	366,957	178,037	188,920	31.28	27.60
	3	high	1221–1600	28	6	5	16,622	125,506	58,911	66,595	8.56	7.49
Private Universities	4	medium	600–1179	35	8	7	3,616	28,543	12,681	15,862	10.80	7.33
	5	high	1180–1339	30	8	6	7,225	49,273	21,618	27,655	8.93	6.80
	6	very high	1340–1600	32	7	6	8,625	56,976	28,113	28,863	7.77	6.36
Public 4-year Colleges	7,10	low	600–984	119	8	6	10,013	106,267	43,712	62,555	16.37	16.48
	8	medium	985–1034	128	10	5	9,913	146,501	65,013	81,488	17.69	14.64
	9	high	1035–1600	95	17	10	8,810	143,358	64,474	78,884	14.36	23.14
Private Nonsectarian 4-year Colleges	11,15	low	800–989	109	10	6	1,619	30,164	13,311	16,853	20.32	19.02
	12	medium	990–1069	68	12	11	5,083	29,693	12,927	16,766	5.77	6.01
	13	high	1070–1189	75	12	11	4,100	34,552	15,062	19,490	9.93	7.75
	14	very high	1190–1600	80	30	24	11,152	42,313	18,856	23,457	4.12	3.71
Catholic 4-year Colleges	16,19	low	600–994	58	12	9	2,215	16,025	5,582	10,443	7.37	8.39
	17	medium	995–1084	43	6	5	2,223	15,588	6,318	9,270	8.72	6.26
	18	high	1085–1600	47	11	8	5,355	33,399	13,932	19,467	7.01	5.88
Other Religious 4-year Colleges	20,24	very low	800–999	142	14	9	2,316	32,906	16,855	16,051	17.29	13.66
	21	low	1000–1039	75	10	7	1,981	20,830	9,522	11,308	10.30	11.36
	22	medium	1040–1109	74	13	12	3,550	28,349	11,740	16,609	8.17	8.01
	23	high	1110–1600	110	18	16	7,867	52,684	22,405	30,279	7.74	6.46
Predominantly Black Colleges	34,40	public	—	39	7	5	2,304	28,539	11,871	16,668	15.75	11.11
	35,38 39,41	private	—	40	13	6	2,607	16,164	6,467	9,697	6.20	6.34
<b>All Institutions</b>				<b>1,568</b>	<b>250</b>	<b>184</b>	<b>137,456</b>	<b>1,510,926</b>				

Note:

- The broad categories of Institution Control (i.e., public, private, and religious affiliation) are defined by data submitted to Integrated Postsecondary Educational Data System (IPEDS).
- Universities are those institutions defined by 2010 Basic Carnegie Classification as “Research Universities” or “Doctoral/Research Universities.”
- Selectivity is based on median SAT Verbal + Math scores and/or ACT composite scores of the entering class as reported to IPEDS. Other comparable sources (e.g., Common Data Set) are used for institutions not reporting SAT/ACT scores to IPEDS. Institutions with unknown selectivity are grouped with the low-selectivity institutions when computing National Norms. The stratification design presented here is used to group schools to develop population weights and should not be used as a measure of institutional or program quality.
- Cell Weights are the ratio between the number of first-time, full-time freshmen enrolled in all colleges and the number of first-time, full-time freshmen enrolled in the norms sample colleges.
- Two-year colleges are not included in the norms sample.

The inclusion of modified items permits a more thorough coverage of student characteristics but also represents a compromise between two mutually exclusive objectives: (1) comparability of information from year to year which is required for assessing trends; and (2) flexibility in item content to meet changing information and research needs.

The survey, reproduced as Appendix B, has been developed in collaboration with students, professional associations, participating institutions, government agencies, educational researchers, administrators, and policy makers. The survey content is reviewed annually by the research directors at the Higher Education Research Institute (HERI) at UCLA as well as others interested in the annual freshman survey program.

First-time, full-time freshmen enrolled at institutions meeting minimal quality requirements for inclusion in the norms are differentially weighted to represent the national FTFT population. Part-time students and those who are not first-time college students (i.e., transfers and former enrollees) are excluded from the normative sample.

### Weighting the Sample

Those institutions identified as being part of the norms sample are weighted by a two-step procedure. The first weight is designed to adjust for response bias within institutions. Counts of the male and female FTFT population for each institution are divided by that institution's male and female FTFT respondent count. The resulting weights, when applied to each respondent, bring the male and female respondent counts up to the corresponding counts for the population at that institution.

The second weight is designed to compensate for nonparticipating institutions within each stratification cell. The weighted male and female counts for all participating institutions in each stratification cell are first summed and then are divided into the national male and female FTFT counts for all institutions in that stratification cell, producing a second set of cell weights.

To bring the racial composition of the weighted sample more in line with the data reported by IPEDS, we applied an adjusted second weight to several stratification cells for two racial/ethnic groups. For these stratification cells, we computed separate second weights for Asian/Pacific Islander students (compared to non-Asian/Pacific Islander students) and for Hispanic students (compared to those who did not identify as Hispanic). These separate second weights were combined with the first weight (weighting within institutions) as described in the next paragraph.

The final weight is simply the product of the first and second weights. Weighting each response in the norms sample using the final weight brings the male and female counts up to the national number of first-time full-time freshmen in each stratification cell (see Table A1).

The weighted data are combined separately to form various comparison groups. Comparison groups are hierarchically organized, allowing participating institutions to compare their results by type (four-year college versus university), control (public, private nonsectarian, Roman Catholic, other religious), race (Historically Black Colleges and Universities versus non-HBCUs), and selectivity level.

### **CIRP Constructs**

CIRP Constructs represent sets of related survey items that measure an underlying trait or aspect of a student's life. Item Response Theory (IRT), a modern psychometric method that has several advantages over methods used in more traditional factor analysis, is used to create a construct score for each respondent. Computing an individual's construct score in IRT involves deriving a maximum likelihood score estimate based on the pattern of the person's responses to the entire set of survey items for that construct (or to a sub-set of the items that were answered). Items that tap into the trait more effectively are given greater weight in the estimation process (see Table A2). A respondent's construct score is thus not a simple arithmetic mean or weighted sum, but

rather the estimated score that is most likely, given how the student answered the set of items. CIRP Constructs are scored on a Z-score metric and rescaled for a mean of approximately fifty and standard deviation of ten.

The low, average, and high construct score group percentages and the mean for the construct are reported here. Low scores represent students who are one-half standard deviation below the mean or lower. Average scores represent students whose scores are within one-half standard deviation of the mean. High scores represent students who are one-half standard deviation or more above the mean. Please visit HERI's website for more detailed information about CIRP Constructs.

**Table A2. List of CIRP Freshman Survey Constructs**  
(including survey items and estimation 'weights')

<p><b>Habits of Mind</b> is a unified measure of the behaviors and traits associated with academic success. These learning behaviors are seen as the foundation for lifelong learning.</p> <p>How often in the past year did you:</p> <ul style="list-style-type: none"> <li>• Seek solutions to problems and explain them to others (1.99)</li> <li>• Support your opinions with a logical argument (1.74)</li> <li>• Seek alternative solutions to a problem (1.61)</li> <li>• Evaluate the quality or reliability of information you received (1.58)</li> <li>• Explore topics on your own, even though it was not required for a class (1.27)</li> <li>• Seek feedback on your academic work (1.24)</li> </ul>		<ul style="list-style-type: none"> <li>• Ask questions in class (1.20)</li> <li>• Look up scientific research articles and resources (1.05)</li> <li>• Revise your papers to improve your writing (1.04)</li> <li>• Take a risk because you feel you have more to gain (1.03)</li> <li>• Accept mistakes as part of the learning process (0.95)</li> </ul>
<p><b>Academic Self-Concept</b> is a unified measure of students' beliefs about their abilities and confidence in academic environments.</p> <p>Rate yourself on each of the following traits as compared with the average person your age:</p> <ul style="list-style-type: none"> <li>• Academic ability (3.52)</li> <li>• Mathematical ability (1.32)</li> </ul>		<ul style="list-style-type: none"> <li>• Self-confidence—intellectual (1.22)</li> <li>• Drive to achieve (0.95)</li> </ul>
<p><b>Social Self-Concept</b> is a unified measure of students' beliefs about their abilities and confidence in social situations.</p> <p>Rate yourself on each of the following traits as compared with the average person your age:</p> <ul style="list-style-type: none"> <li>• Self-confidence—social (2.33)</li> <li>• Leadership ability (1.96)</li> </ul>		<ul style="list-style-type: none"> <li>• Public speaking ability (1.68)</li> </ul>
<p><b>Pluralistic Orientation</b> measures skills and dispositions appropriate for living and working in a diverse society.</p> <p>Rate yourself on each of the following traits as compared with the average person your age:</p> <ul style="list-style-type: none"> <li>• Ability to work cooperatively with diverse people (2.39)</li> <li>• Tolerance of others with different beliefs (2.35)</li> <li>• Openness to having my views challenged (2.13)</li> </ul>		<ul style="list-style-type: none"> <li>• Ability to discuss and negotiate controversial issues (2.03)</li> <li>• Ability to see the world from someone else's perspective (1.78)</li> </ul>
<p><b>Social Agency</b> measures the extent to which students value political and social involvement as a personal goal.</p> <p>Indicate the importance to you personally of each of the following:</p> <ul style="list-style-type: none"> <li>• Participating in a community action program (2.42)</li> <li>• Helping to promote racial understanding (2.05)</li> <li>• Becoming a community leader (2.01)</li> </ul>		<ul style="list-style-type: none"> <li>• Influencing social values (1.58)</li> <li>• Helping others who are in difficulty (1.36)</li> <li>• Keeping up to date with political affairs (1.35)</li> </ul>
<p><b>Civic Engagement</b> measures the extent to which students are motivated and involved in civic, electoral, and political activities.</p> <p>Indicate activities you did in the past year:</p> <ul style="list-style-type: none"> <li>• Demonstrated for a cause (e.g., boycott, rally, protest) (1.46)</li> <li>• Worked on a local, state, or national political campaign (1.42)</li> <li>• Publicly communicated my opinion about a cause (e.g., blog, email, petition) (1.35)</li> <li>• Helped raise money for a cause or campaign (1.11)</li> <li>• Performed volunteer work (0.80)</li> </ul>		<p>Indicate the importance to you personally of each of the following:</p> <ul style="list-style-type: none"> <li>• Influencing social values (0.97)</li> <li>• Keeping up to date with political affairs (0.86)</li> </ul>

Table A2 (continued)

<p><b>College Reputation Orientation</b> measures the degree to which students value academic reputation and future career potential as a reason for choosing this college.</p> <p>How important was each reason in your decision to come here?</p> <ul style="list-style-type: none"> <li>• This college's graduates get good jobs (6.11)</li> <li>• This college's graduates gain admission to top graduate/professional schools (2.50)</li> <li>• This college has a very good academic reputation (1.54)</li> </ul>	
<p><b>Likelihood of College Involvement</b> is a unified measure of students' expectations about their involvement in college life generally.</p> <p>What is your best guess as to the chances that you will:</p> <ul style="list-style-type: none"> <li>• Participate in student clubs/groups (3.25)</li> <li>• Participate in a volunteer or community service work (1.58)</li> <li>• Socialize with someone of another racial/ethnic group (1.28)</li> <li>• Participate in a study abroad program (1.24)</li> <li>• Participate in student government (0.96)</li> </ul>	
<p><b>Science Self-Efficacy</b> measures students' sense of confidence to engage with the scientific method.</p> <p>How confident are you that you can:</p> <ul style="list-style-type: none"> <li>• Use technical science skills (use of tools, instruments, and/or techniques) (1.48)</li> <li>• Generate a research question (2.33)</li> <li>• Determine how to college appropriate data (2.82)</li> <li>• Explain the results of a study (2.87)</li> <li>• Use scientific literature to guide research (2.70)</li> <li>• Integrate results from multiple studies (2.79)</li> <li>• Ask relevant questions (1.73)</li> <li>• Identify what is known and not known about a problem (1.95)</li> <li>• Understand scientific concepts (2.40)</li> <li>• See connections between different areas of science and mathematics (1.90)</li> </ul>	
<p><b>Science Identity</b> represents the extent to which students conceive of themselves as scientists.</p> <p>Rate your agreement with each of the following statements:</p> <ul style="list-style-type: none"> <li>• I have a strong sense of belonging to the community of scientists (3.52)</li> <li>• I derive great personal satisfaction from working on a team that is doing important research (1.78)</li> <li>• I think of myself as a scientist (5.53)</li> <li>• I feel like I belong in the field of science (4.43)</li> </ul>	



APPENDIX B

**The 2016 CIRP  
Freshman Survey Instrument**



# 2016 CIRP Freshman Survey



PLEASE PRINT IN ALL CAPS YOUR NAME AND PERMANENT/HOME ADDRESS (one letter or number per box).

NAME: FIRST MI LAST  
 ADDRESS:  
 CITY: STATE: ZIP: COUNTRY, if NOT USA:  
 STUDENT ID# (as instructed): EMAIL (print letters carefully):

When were you born?

Month (01-12) Day (01-31) Year

**SERIAL #**

**MARKING DIRECTIONS**

- Use a black or blue pen.
- Fill in your response completely. Mark out any answer you wish to change with an "X".

**CORRECT MARK INCORRECT MARKS**

Group Code A B

1. Your sex:  Male  Female

2. Is English your primary language?  
 Yes  No

3. In what year did you graduate from high school? (Mark one)

2016  Did not graduate but passed G.E.D. test

2015  2014  Never completed high school

2013 or earlier

4. Are you enrolled (or enrolling) as a: (Mark one)

Full-time student  Part-time student

5. How many miles is this college from your permanent home? (Mark one)

5 or less  6-10  11-50  51-100  101-500  Over 500

6. What was your average grade in high school? (Mark one)

A or A+  A-  B  B-  C  C+  D

7. What were your scores on the SAT I and/or ACT?

SAT Reading and Writing...

SAT Mathematics .....

ACT Composite .....

8. Where do you plan to live during the fall term? (Mark one)

With my family or other relatives

Other private home, apartment, or room

College residence hall

Fraternity or sorority house

Other campus student housing

Other

9. From what high school did you graduate?

Name of high school

City  State

10. Are you: (Mark all that apply)

White/Caucasian

African American/Black

American Indian/Alaska Native

East Asian (e.g., Chinese, Japanese, Korean, Taiwanese)

Filipino

Southeast Asian (e.g., Cambodian, Vietnamese, Hmong)

South Asian (e.g., Indian, Pakistani, Nepalese, Sri Lankan)

Other Asian

Native Hawaiian/Pacific Islander

Mexican American/Chicano

Puerto Rican

Other Latino

Other

11. Prior to this term, have you ever taken courses for credit at this institution?  
 Yes  No

12. Since leaving high school, have you ever taken courses, whether for credit or not for credit, at any other institution (university, 4- or 2-year college, technical, vocational, or business school)?  
 Yes  No

13. To how many colleges other than this one did you apply for admission this year?

None  1  2  3  4  5  6  7-8  9-10  11 or more

14. Were you accepted by your first choice college?  
 Yes  No

15. Is this college your: (Mark one)

First choice  Second choice  Third choice  Less than third choice

16. Citizenship status: (Mark one)

U.S. citizen

Permanent resident (green card)

International student (i.e., F-1, J-1, or M-1 visa)

None of the above

17. Please mark which of the following courses you have completed:

Algebra II

Pre-calculus/Trigonometry

Probability & Statistics

Calculus

AP Probability & Statistics

AP Calculus

AP Computer Science A

18. How many weeks this summer did you participate in a bridge program at this institution?

0  1-2  3-4  5-6  7+

19. During high school (grades 9-12) how many years did you study each of the following subjects? (Mark one for each item)

	None	1/2	1	2	3	4	5 or more
Mathematics .....	<input type="radio"/>						
Foreign Language .....	<input type="radio"/>						
Physical Science .....	<input type="radio"/>						
Biological Science .....	<input type="radio"/>						
History/Am. Gov't .....	<input type="radio"/>						
Computer Science .....	<input type="radio"/>						
Arts and/or Music .....	<input type="radio"/>						

20. How many Advanced Placement/International Baccalaureate courses did you take in high school? (Mark one in each row)

	None	1-4	5-9	10-14	15+
AP Courses .....	<input type="radio"/>				
IB Courses .....	<input type="radio"/>				

21. Please refer to the same Parent/Guardian throughout this survey. Please mark the sex of your parent(s) or guardian(s).

	Male	Female
Parent/Guardian 1 .....	<input type="radio"/>	<input type="radio"/>
Parent/Guardian 2 .....	<input type="radio"/>	<input type="radio"/>

22. At any time since you turned 13, were you in foster care or were you a dependent of the court?  
 Yes  No  I don't know

23. Do you consider yourself: (Mark Yes or No for each item)

	Yes	No
Pre-Med .....	<input type="radio"/>	<input type="radio"/>
Pre-Law .....	<input type="radio"/>	<input type="radio"/>

24. Please indicate your intended major using the codes provided on the attached fold out.

25. Please indicate your intended career as well as the careers of your parents/guardians, using the codes provided on the attached fold out. (Your intended career, Parent/Guardian 1 career, Parent/Guardian 2 career)

Your intended career

Parent/Guardian 1 career

Parent/Guardian 2 career

26. Current employment status: (Mark one in each row)

	Employed	Seasonally Employed	Unemployed	Retired
Parent/Guardian 1 .....	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Parent/Guardian 2 .....	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

27. How much of your first year's educational expenses (room, board, tuition, and fees) do you expect to cover from each of the sources listed below? (Mark one answer for each possible source)

	None	\$1-\$2,999	\$3,000-\$5,999	\$6,000-\$9,999	\$10,000-\$14,999	\$15,000+
Family resources (parents, relatives, spouse, etc.) .....	<input type="radio"/>					
My own resources (savings from work, work-study, other income) .....	<input type="radio"/>					
Aid which need <u>not</u> be repaid (grants, scholarships, military funding, etc.) .....	<input type="radio"/>					
Aid which <u>must</u> be repaid (loans, etc.) .....	<input type="radio"/>					

28. Did you receive any of the following forms of financial aid? (Mark Yes or No for each item)

	Yes	No
Military grants .....	<input type="radio"/>	<input type="radio"/>
Work-study .....	<input type="radio"/>	<input type="radio"/>
Pell Grant .....	<input type="radio"/>	<input type="radio"/>
Need-based grants or scholarships..	<input type="radio"/>	<input type="radio"/>
Merit-based grants or scholarships..	<input type="radio"/>	<input type="radio"/>

29. What is your best estimate of your parents'/guardians' total income last year? Consider income from all sources before taxes. (Mark one)

<input type="radio"/> Less than \$15,000	<input type="radio"/> \$100,000-124,999
<input type="radio"/> \$15,000-24,999	<input type="radio"/> \$125,000-149,999
<input type="radio"/> \$25,000-29,999	<input type="radio"/> \$150,000-199,999
<input type="radio"/> \$30,000-59,999	<input type="radio"/> \$200,000-249,999
<input type="radio"/> \$60,000-74,999	<input type="radio"/> \$250,000-499,999
<input type="radio"/> \$75,000-99,999	<input type="radio"/> \$500,000 or higher

30. Please select how many individuals in your household (including yourself) are dependent on your parent(s)/guardian(s) for financial support. (Mark one)

<input type="radio"/> I am not dependent on my parent(s)/guardian(s)	<input type="radio"/> 3
<input type="radio"/> 1	<input type="radio"/> 4
<input type="radio"/> 2	<input type="radio"/> 5
	<input type="radio"/> 6 or more

31. Do you have any concern about your ability to finance your college education? (Mark one)

None (I am confident that I will have sufficient funds)

Some (but I probably will have enough funds)

Major (not sure I will have enough funds to complete college)

32. Current religious preference: (Mark one in each column)

	Yours	Parent/Guardian 1	Parent/Guardian 2
Agnostic.....	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Atheist.....	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Baptist.....	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Buddhist.....	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Church of Christ .....	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Eastern Orthodox .....	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Episcopalian .....	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Hindu .....	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Jewish.....	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
LDS (Mormon).....	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Lutheran .....	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Methodist.....	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Muslim .....	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Presbyterian .....	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Quaker.....	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Roman Catholic.....	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Seventh-day Adventist .....	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
United Church of Christ/ Congregational .....	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Other Christian .....	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Other Religion .....	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
None.....	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

33. What is the highest academic degree that you intend to obtain? (Mark one in each column)

	Highest Planned	Highest Planned at This College
None .....	<input type="radio"/>	<input type="radio"/>
Vocational certificate .....	<input type="radio"/>	<input type="radio"/>
Associate (A.A. or equivalent) ...	<input type="radio"/>	<input type="radio"/>
Bachelor's (B.A., B.S., B.D., etc.)	<input type="radio"/>	<input type="radio"/>
Master's (M.A., M.S., M.B.A., etc.)	<input type="radio"/>	<input type="radio"/>
J.D. (Law) .....	<input type="radio"/>	<input type="radio"/>
M.D., D.D.S., D.V.M., etc. (Medical)	<input type="radio"/>	<input type="radio"/>
Ph.D.....	<input type="radio"/>	<input type="radio"/>
Professional Doctorate (Ed.D., Psy.D., etc.).....	<input type="radio"/>	<input type="radio"/>
Other.....	<input type="radio"/>	<input type="radio"/>

34. In the past year, how often have you: (Mark one for each item)

	Frequently	Occasionally	Not at All
Attended a religious service .....	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Been bored in class.....	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Demonstrated for a cause (e.g., boycott, rally, protest).....	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Tutored another student.....	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Studied with other students.....	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Consumed beer.....	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Consumed wine or liquor .....	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

34. Continued. In the past year, how often have you: (Mark one for each item)

	Frequently	Occasionally	Not at All
Felt overwhelmed by all I had to do .....	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Felt depressed.....	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Performed volunteer work ....	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Asked a teacher for advice after class.....	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Voted in a student election...	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Socialized with someone of another racial/ethnic group..	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Been late to class.....	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Discussed religion .....	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Discussed politics.....	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Skipped school/class.....	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Publicly communicated my opinion about a cause (e.g., blog, email, petition) .....	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Helped raise money for a cause or campaign.....	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Fallen asleep in class.....	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Failed to complete homework on time.....	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Felt anxious .....	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

35. How would you rate yourself in the following areas: (Mark one for each item)

	A Major Strength	Somewhat Strong	Average	Somewhat Weak	A Major Weakness
Ability to see the world from someone else's perspective.....	<input type="radio"/>				
Tolerance of others with different beliefs .	<input type="radio"/>				
Openness to having my own views challenged.....	<input type="radio"/>				
Ability to discuss and negotiate controversial issues .....	<input type="radio"/>				
Ability to work cooperatively with diverse people.....	<input type="radio"/>				
Critical thinking skills..	<input type="radio"/>				
Ability to manage your time effectively .....	<input type="radio"/>				

36. What is the highest level of formal education obtained by your parents/guardians? (Mark one in each column)

	Parent/Guardian 1	Parent/Guardian 2
Junior high/Middle school or less .....	<input type="radio"/>	<input type="radio"/>
Some high school.....	<input type="radio"/>	<input type="radio"/>
High school graduate ....	<input type="radio"/>	<input type="radio"/>
Postsecondary school other than college.....	<input type="radio"/>	<input type="radio"/>
Some college.....	<input type="radio"/>	<input type="radio"/>
College degree .....	<input type="radio"/>	<input type="radio"/>
Some graduate school ..	<input type="radio"/>	<input type="radio"/>
Graduate degree .....	<input type="radio"/>	<input type="radio"/>

**37. How often in the past year did you:** (Mark one for each item)

	Frequently	Occasionally	Not at All
Ask questions in class.....	<input type="radio"/> F	<input type="radio"/> O	<input type="radio"/> N
Support your opinions with a logical argument.....	<input type="radio"/> F	<input type="radio"/> O	<input type="radio"/> N
Seek solutions to problems and explain them to others.....	<input type="radio"/> F	<input type="radio"/> O	<input type="radio"/> N
Evaluate the quality or reliability of information you received.....	<input type="radio"/> F	<input type="radio"/> O	<input type="radio"/> N
Take a risk because you feel you have more to gain.....	<input type="radio"/> F	<input type="radio"/> O	<input type="radio"/> N
Seek alternative solutions to a problem....	<input type="radio"/> F	<input type="radio"/> O	<input type="radio"/> N
Look up scientific research articles and resources.....	<input type="radio"/> F	<input type="radio"/> O	<input type="radio"/> N
Explore topics on your own, even though it was not required for a class.....	<input type="radio"/> F	<input type="radio"/> O	<input type="radio"/> N
Accept mistakes as part of the learning process.....	<input type="radio"/> F	<input type="radio"/> O	<input type="radio"/> N
Analyze multiple sources of information before coming to a conclusion.....	<input type="radio"/> F	<input type="radio"/> O	<input type="radio"/> N
Take on a challenge that scares you.....	<input type="radio"/> F	<input type="radio"/> O	<input type="radio"/> N

**38. How confident are you that you can:** (Mark one in each row)

	Absolutely	Very	Moderately	Somewhat	Not at All
Use technical science skills (use of tools, instruments, and/or techniques).....	<input type="radio"/> A	<input type="radio"/> V	<input type="radio"/> M	<input type="radio"/> S	<input type="radio"/> N
Generate a research question.....	<input type="radio"/> A	<input type="radio"/> V	<input type="radio"/> M	<input type="radio"/> S	<input type="radio"/> N
Determine how to collect appropriate data.....	<input type="radio"/> A	<input type="radio"/> V	<input type="radio"/> M	<input type="radio"/> S	<input type="radio"/> N
Explain the results of a study.....	<input type="radio"/> A	<input type="radio"/> V	<input type="radio"/> M	<input type="radio"/> S	<input type="radio"/> N
Use scientific literature to guide research.....	<input type="radio"/> A	<input type="radio"/> V	<input type="radio"/> M	<input type="radio"/> S	<input type="radio"/> N
Integrate results from multiple studies.....	<input type="radio"/> A	<input type="radio"/> V	<input type="radio"/> M	<input type="radio"/> S	<input type="radio"/> N
Ask relevant questions.....	<input type="radio"/> A	<input type="radio"/> V	<input type="radio"/> M	<input type="radio"/> S	<input type="radio"/> N
Identify what is known and not known about a problem.....	<input type="radio"/> A	<input type="radio"/> V	<input type="radio"/> M	<input type="radio"/> S	<input type="radio"/> N
Understand scientific concepts.....	<input type="radio"/> A	<input type="radio"/> V	<input type="radio"/> M	<input type="radio"/> S	<input type="radio"/> N
See connections between different areas of science and mathematics.	<input type="radio"/> A	<input type="radio"/> V	<input type="radio"/> M	<input type="radio"/> S	<input type="radio"/> N

**39. How would you characterize your political views?** (Mark one)

- Far left                       Conservative  
 Liberal                           Far right  
 Middle-of-the-road

**40. In deciding to go to college, how important to you was each of the following reasons?** (Mark one answer for each possible reason)

	Very Important	Somewhat Important	Not Important
To be able to get a better job.....	<input type="radio"/> V	<input type="radio"/> S	<input type="radio"/> N
To gain a general education and appreciation of ideas.....	<input type="radio"/> V	<input type="radio"/> S	<input type="radio"/> N
To make me a more cultured person.....	<input type="radio"/> V	<input type="radio"/> S	<input type="radio"/> N
To be able to make more money.....	<input type="radio"/> V	<input type="radio"/> S	<input type="radio"/> N
To learn more about things that interest me.....	<input type="radio"/> V	<input type="radio"/> S	<input type="radio"/> N
To get training for a specific career.....	<input type="radio"/> V	<input type="radio"/> S	<input type="radio"/> N
To prepare myself for graduate or professional school.....	<input type="radio"/> V	<input type="radio"/> S	<input type="radio"/> N
To please my family.....	<input type="radio"/> V	<input type="radio"/> S	<input type="radio"/> N

**41. Rate yourself on each of the following traits as compared with the average person your age. We want the most accurate estimate of how you see yourself.** (Mark one in each row)

	Highest 10%	Above Average	Average	Below Average	Lowest 10%
Academic ability.....	<input type="radio"/>				
Artistic ability.....	<input type="radio"/>				
Compassion.....	<input type="radio"/>				
Creativity.....	<input type="radio"/>				
Drive to achieve.....	<input type="radio"/>				
Emotional health.....	<input type="radio"/>				
Leadership ability.....	<input type="radio"/>				
Mathematical ability.....	<input type="radio"/>				
Physical health.....	<input type="radio"/>				
Public speaking ability.....	<input type="radio"/>				
Risk-taking.....	<input type="radio"/>				
Self-confidence (intellectual).....	<input type="radio"/>				
Self-confidence (social).....	<input type="radio"/>				
Spirituality.....	<input type="radio"/>				
Understanding of others.....	<input type="radio"/>				
Writing ability.....	<input type="radio"/>				

**42. Mark one in each row:**

	1 Strongly Disagree	2 Disagree Somewhat	3 Agree Somewhat	4 Strongly Agree
Wealthy people should pay a larger share of taxes than they do now.....	<input type="radio"/> 4	<input type="radio"/> 3	<input type="radio"/> 2	<input type="radio"/> 1
Addressing global climate change should be a federal priority.....	<input type="radio"/> 4	<input type="radio"/> 3	<input type="radio"/> 2	<input type="radio"/> 1
The federal government should have stricter gun control laws.....	<input type="radio"/> 4	<input type="radio"/> 3	<input type="radio"/> 2	<input type="radio"/> 1
Affirmative action in college admissions should be abolished.....	<input type="radio"/> 4	<input type="radio"/> 3	<input type="radio"/> 2	<input type="radio"/> 1
The federal government should raise taxes to reduce the deficit.....	<input type="radio"/> 4	<input type="radio"/> 3	<input type="radio"/> 2	<input type="radio"/> 1
Sexual activity that occurs without the presence of explicit, affirmative consent (i.e., "yes means yes") is considered sexual assault.....	<input type="radio"/> 4	<input type="radio"/> 3	<input type="radio"/> 2	<input type="radio"/> 1
There is little that a person can do to be better at math – you are either "good" or "bad" at math.....	<input type="radio"/> 4	<input type="radio"/> 3	<input type="radio"/> 2	<input type="radio"/> 1
Intelligence is something that can be improved by studying or working harder.....	<input type="radio"/> 4	<input type="radio"/> 3	<input type="radio"/> 2	<input type="radio"/> 1

**43. Below are some reasons that might have influenced your decision to attend this particular college. How important was each reason in your decision to come here?** (Mark one answer for each possible reason)

	Very Important	Somewhat Important	Not Important
My parents/relatives wanted me to come here.....	<input type="radio"/> V	<input type="radio"/> S	<input type="radio"/> N
My teacher advised me.....	<input type="radio"/> V	<input type="radio"/> S	<input type="radio"/> N
This college has a very good academic reputation.....	<input type="radio"/> V	<input type="radio"/> S	<input type="radio"/> N
This college has a good reputation for its social and extracurricular activities.....	<input type="radio"/> V	<input type="radio"/> S	<input type="radio"/> N
I was offered financial assistance.....	<input type="radio"/> V	<input type="radio"/> S	<input type="radio"/> N
The cost of attending this college.....	<input type="radio"/> V	<input type="radio"/> S	<input type="radio"/> N
High school counselor advised me.....	<input type="radio"/> V	<input type="radio"/> S	<input type="radio"/> N
Private college counselor advised me.....	<input type="radio"/> V	<input type="radio"/> S	<input type="radio"/> N
I wanted to live near home.....	<input type="radio"/> V	<input type="radio"/> S	<input type="radio"/> N
Not offered aid by first choice.....	<input type="radio"/> V	<input type="radio"/> S	<input type="radio"/> N
Could not afford first choice.....	<input type="radio"/> V	<input type="radio"/> S	<input type="radio"/> N
This college's graduates gain admission to top graduate/professional schools.....	<input type="radio"/> V	<input type="radio"/> S	<input type="radio"/> N
This college's graduates get good jobs.....	<input type="radio"/> V	<input type="radio"/> S	<input type="radio"/> N
I was attracted by the religious affiliation/orientation of this college.....	<input type="radio"/> V	<input type="radio"/> S	<input type="radio"/> N
I wanted to go to a school about the size of this college.....	<input type="radio"/> V	<input type="radio"/> S	<input type="radio"/> N
Rankings in national magazines.....	<input type="radio"/> V	<input type="radio"/> S	<input type="radio"/> N
I was admitted through an Early Action or Early Decision program.....	<input type="radio"/> V	<input type="radio"/> S	<input type="radio"/> N
A visit to this campus.....	<input type="radio"/> V	<input type="radio"/> S	<input type="radio"/> N
This college's graduates make a difference in the world.....	<input type="radio"/> V	<input type="radio"/> S	<input type="radio"/> N

44. During your last year in high school, how much time did you spend during a typical week doing the following activities?

Hours per week:	None	Less than 1 hour	1-2	3-5	6-10	11-15	16-20	Over 20
Studying/homework.....	<input type="radio"/>							
Socializing with friends in person.....	<input type="radio"/>							
Online social networks (Facebook, Twitter, etc.).....	<input type="radio"/>							
Partying.....	<input type="radio"/>							
Student clubs/groups.....	<input type="radio"/>							
Exercise or sports.....	<input type="radio"/>							
Working (for pay).....	<input type="radio"/>							
Household/childcare duties.....	<input type="radio"/>							

45. Military Status: (Mark one)

- None
- ROTC, cadet, or midshipman at a service academy
- In the Reserves or National Guard
- On Active Duty
- A discharged veteran **NOT** serving on Active Duty, in Reserves, or in National Guard

46. How many years do you expect it will take you to graduate from this college?

- 1
- 2
- 3
- 4
- 5
- 6+
- I do not plan to graduate from this college.

47. What is your sexual orientation?

- Heterosexual/Straight
- Bisexual
- Gay
- Queer
- Lesbian
- Other

48. Do you identify as transgender?

- Yes
- No

49. Do you have any of the following disabilities or medical conditions? (Mark Yes or No for each item)

	Yes	No
Learning disability (dyslexia, etc.).....	<input type="radio"/>	<input type="radio"/>
Attention deficit hyperactivity disorder (ADHD)....	<input type="radio"/>	<input type="radio"/>
Autism spectrum disorder.....	<input type="radio"/>	<input type="radio"/>
Physical disability (speech, sight, mobility, hearing, etc.).....	<input type="radio"/>	<input type="radio"/>
Chronic illness (cancer, diabetes, autoimmune disorders, etc.).....	<input type="radio"/>	<input type="radio"/>
Psychological disorder (depression, etc.).....	<input type="radio"/>	<input type="radio"/>
Other.....	<input type="radio"/>	<input type="radio"/>

50. Will you pursue a science-related research career? (Mark one)

- Definitely yes
- Probably no
- Probably yes
- Definitely no
- Uncertain

51. To what extent are the following statements true of you: (Mark one in each row)

- 1 Strongly Disagree
- 2 Disagree Somewhat
- 3 Neutral
- 4 Agree Somewhat
- 5 Strongly Agree

I have a strong sense of belonging to a community of scientists..... (5 4 3 2 1)

I derive great personal satisfaction from working on a team that is doing important research..... (5 4 3 2 1)

I think of myself as a scientist..... (5 4 3 2 1)

I feel like I belong in the field of science..... (5 4 3 2 1)

52. Please indicate the importance to you personally of each of the following: (Mark one for each item)

- N Not Important
- S Somewhat Important
- V Very Important
- E Essential

Becoming accomplished in one of the performing arts (acting, dancing, etc.)..... (E V S N)

Becoming an authority in my field..... (E V S N)

Obtaining recognition from my colleagues for contributions to my special field..... (E V S N)

Influencing the political structure..... (E V S N)

Influencing social values..... (E V S N)

Raising a family..... (E V S N)

Being very well off financially..... (E V S N)

Helping others who are in difficulty..... (E V S N)

Making a theoretical contribution to science..... (E V S N)

Writing original works (poems, novels, etc.)..... (E V S N)

Creating artistic works (painting, sculpture, etc.)..... (E V S N)

Becoming successful in a business of my own..... (E V S N)

Becoming involved in programs to clean up the environment.. (E V S N)

Developing a meaningful philosophy of life..... (E V S N)

Participating in a community action program..... (E V S N)

Helping to promote racial understanding..... (E V S N)

Keeping up to date with political affairs..... (E V S N)

Becoming a community leader..... (E V S N)

Improving my understanding of other countries and cultures... (E V S N)

Integrating spirituality into my life..... (E V S N)

53. What is your best guess as to the chances that you will: (Mark one for each item)

- N No Chance
- L Very Little Chance
- S Some Chance
- V Very Good Chance

Change major field..... (V S L N)

Change career choice..... (V S L N)

Participate in student government..... (V S L N)

Get a job to help pay for college expenses..... (V S L N)

Join a social fraternity or sorority..... (V S L N)

Transfer to another college before graduating..... (V S L N)

Participate in volunteer or community service work..... (V S L N)

Seek personal counseling..... (V S L N)

Communicate regularly with your professors..... (V S L N)

Participate in student clubs/groups..... (V S L N)

Participate in a study abroad program..... (V S L N)

Work on a professor's research project..... (V S L N)

Get tutoring help in specific courses..... (V S L N)

Take courses from more than one college simultaneously..... (V S L N)

Take a leave of absence from this college temporarily..... (V S L N)

Take a course exclusively online..... (V S L N)

Vote in a local, state, or national election..... (V S L N)

The remaining ovals are provided for questions specifically designed by your college rather than the Higher Education Research Institute. If your college has chosen to use the ovals, please observe carefully the supplemental directions given to you.

- |                 |                 |                 |                 |                 |
|-----------------|-----------------|-----------------|-----------------|-----------------|
| 54. (A B C D E) | 58. (A B C D E) | 62. (A B C D E) | 66. (A B C D E) | 70. (A B C D E) |
| 55. (A B C D E) | 59. (A B C D E) | 63. (A B C D E) | 67. (A B C D E) | 71. (A B C D E) |
| 56. (A B C D E) | 60. (A B C D E) | 64. (A B C D E) | 68. (A B C D E) | 72. (A B C D E) |
| 57. (A B C D E) | 61. (A B C D E) | 65. (A B C D E) | 69. (A B C D E) | 73. (A B C D E) |

THANK YOU!

24. Below is a list of different undergraduate major fields grouped into general categories. (Fill in appropriate two-digit code on your survey)

- |  |   |
|--|---|
| <b>ARTS AND HUMANITIES</b>                               | <b>HEALTH PROFESSIONS</b>                                 |
| 01 Art, fine and applied                                 | 55 Clinical Laboratory Science                            |
| 02 English (language and literature)                     | 56 Health Care Administration/<br>Studies                 |
| 03 History   | 57 Health Technology                                      |
| 04 Journalism/Communication                              | 58 Kinesiology  |
| 05 Classical and Modern<br>Languages and Literature      | 59 Nursing  |
| 06 Media/Film Studies                                    | 60 Pharmacy   |
| 07 Music   | 61 Therapy (occupational,<br>physical, speech)            |
| 08 Philosophy  | 62 Other Health Profession                                |
| 09 Theatre/Drama   | <b>MATH AND COMPUTER<br/>SCIENCE</b>                      |
| 10 Theology/ Religion                                    | 63 Computer Science                                       |
| 11 Other Arts and Humanities                             | 64 Mathematics/Statistics                                 |
| <b>BIOLOGICAL &amp; LIFE<br/>SCIENCES</b>                | 65 Other Math and Computer<br>Science                     |
| 12 Biology (general)                                     | <b>PHYSICAL SCIENCE</b>                                   |
| 13 Animal Biology (zoology)                              | 66 Astronomy & Astrophysics                               |
| 14 Ecology & Evolutionary<br>Biology                     | 67 Atmospheric Sciences                                   |
| 15 Marine Biology  | 68 Chemistry  |
| 16 Microbiology  | 69 Earth & Planetary Sciences                             |
| 17 Molecular, Cellular, &<br>Developmental Biology       | 70 Marine Sciences  |
| 18 Neurobiology/Neuroscience                             | 71 Physics  |
| 19 Plant Biology (botany)                                | 72 Other Physical Science                                 |
| 20 Agriculture/Natural Resources                         | <b>SOCIAL SCIENCE</b>                                     |
| 21 Biochemistry/Biophysics                               | 73 Anthropology   |
| 22 Environmental Science                                 | 74 Economics  |
| 23 Other Biological Science                              | 75 Ethnic/Cultural Studies                                |
| <b>BUSINESS</b>  | 76 Geography  |
| 24 Accounting  | 77 Political Science (gov't.,<br>international relations) |
| 25 Business Admin. (general)                             | 78 Psychology   |
| 26 Entrepreneurship                                      | 79 Public Policy  |
| 27 Finance   | 80 Social Work  |
| 28 Hospitality/Tourism                                   | 81 Sociology  |
| 29 Human Resources Management                            | 82 Women's/Gender Studies                                 |
| 30 International Business                                | 83 Other Social Science                                   |
| 31 Marketing   | <b>OTHER MAJORS</b>                                       |
| 32 Management  | 84 Architecture/Urban Planning                            |
| 33 Computer/Management<br>Information Systems            | 85 Criminal Justice                                       |
| 34 Real Estate   | 86 Library Science  |
| 35 Other Business  | 87 Security & Protective<br>Services                      |
| <b>EDUCATION</b>   | 88 Military Sciences/<br>Technology/Operations            |
| 36 Elementary Education                                  | <b>89 OTHER</b>   |
| 37 Music/Art Education                                   | <b>90 UNDECIDED</b>                                       |
| 38 Physical Education/Recreation                         |   |
| 39 Secondary Education                                   |   |
| 40 Special Education                                     |   |
| 41 Other Education                                       |   |
| <b>ENGINEERING</b>                                       |   |
| 42 Aerospace/Aeronautical/<br>Astronautical Engineering  |   |
| 43 Biological/Agricultural<br>Engineering                |   |
| 44 Biomedical Engineering                                |   |
| 45 Chemical Engineering                                  |   |
| 46 Civil Engineering                                     |   |
| 47 Computer Engineering                                  |   |
| 48 Electrical/ Electronic/<br>Communications Engineering |   |
| 49 Engineering Science/<br>Engineering Physics           |   |
| 50 Environmental/Environmental<br>Health Engineering     |   |
| 51 Industrial/Manufacturing<br>Engineering               |   |
| 52 Materials Engineering                                 |   |
| 53 Mechanical Engineering                                |   |
| 54 Other Engineering                                     |   |

25. Below is a list of different careers grouped into general categories. (Fill in appropriate two-digit codes on your survey)

- |   |   |
|---|---|
| <b>ARTS</b>   | <b>INFORMATION TECHNOLOGY</b>                                   |
| 01 Actor or Entertainer   | 41 Computer Programmer/Developer                                |
| 02 Artist   | 42 Computer/Systems Analyst                                     |
| 03 Graphic Designer   | 43 Web Designer   |
| 04 Musician   | <b>LAW</b>  |
| 05 Writer/Producer/Director   | 44 Lawyer/Judge   |
| <b>AGRICULTURE</b>  | 45 Paralegal  |
| 06 Farmer or Forester   | <b>MEDICAL PRACTITIONERS</b>                                    |
| 07 Natural Resource<br>Specialist/Environmentalist                                    | 46 Clinical Psychologist  |
| <b>BUSINESS</b>   | 47 Dentist/Orthodontist   |
| 08 Accountant   | 48 Medical Doctor/Surgeon                                       |
| 09 Administrative Assistant   | 49 Optometrist  |
| 10 Business Manager/Executive   | 50 Pharmacist   |
| 11 Business Owner/Entrepreneur  | 51 Veterinarian   |
| 12 Retail Sales   | <b>SCIENCE AND ENGINEERING</b>                                  |
| 13 Sales/Marketing  | 52 Engineer   |
| 14 Human Resources  | 53 Research Scientist (e.g., Biologist,<br>Chemist, Physicist)  |
| 15 Finance (e.g., Actuary,<br>Banking, Loan Officer, Planner)                         | 54 Urban Planner/Architect                                      |
| 16 Management Consultant  | <b>SERVICE INDUSTRY</b>   |
| 17 Real Estate Agent/Realtor/<br>Appraiser/Developer                                  | 55 Custodian/Janitor/Housekeeper                                |
| 18 Sports Management  | 56 Food Service (e.g., Chef/Cook,<br>Server)                    |
| <b>COMMUNICATIONS</b>   | 57 Hair Stylist/Aesthetician/<br>Manicurist                     |
| 19 Journalist   | 58 Interior Designer  |
| 20 Public Relations/Media<br>Relations  | 59 Skilled Trades (e.g., Plumber,<br>Electrician, Construction) |
| 21 Advertising  | 60 Social/Non-Profit Services                                   |
| <b>EDUCATION</b>  | <b>61 CLERGY</b>  |
| 22 College Administrator/Staff  | <b>62 HOMEMAKER/STAY AT<br/>HOME PARENT</b>                     |
| 23 College Faculty  | <b>63 OTHER</b>   |
| 24 Early Childcare Provider   | <b>64 UNDECIDED</b>   |
| 25 Elementary School Teacher  |   |
| 26 Secondary School Teacher in<br>Science, Technology,<br>Engineering, or Math (STEM) |   |
| 27 Secondary School Teacher in a<br>non-STEM subject                                  |   |
| 28 Librarian  |   |
| 29 Teacher's Assistant/<br>Paraprofessional   |   |
| 30 K-12 Administrator   |   |
| 31 Other K-12 Professional  |   |
| <b>GOVERNMENT</b>   |   |
| 32 Military   |   |
| 33 Federal/State/Local<br>Government Official   |   |
| 34 Protective Services<br>(e.g., Homeland Security,<br>Law Enforcement, Firefighter)  |   |
| 35 Postal Worker  |   |
| <b>HEALTHCARE SUPPORT</b>   |   |
| 36 Dietician/Nutritionist   |   |
| 37 Home Health Worker   |   |
| 38 Medical/Dental Assistant<br>(e.g., Hygienist, Lab Tech,<br>Nursing Asst.)          |   |
| 39 Registered Nurse   |   |
| 40 Therapist (e.g., Physical,<br>Occupational, Speech)                                |   |

Carefully detach this section after answering Questions 24 and 25

Turn over for Question 25



APPENDIX C

**Institutions Participating in the  
2016 CIRP Freshman Survey**



## Institutions Participating in the 2016 CIRP Freshman Survey

ACE	Institution	City	State	Stratification Cell	Included in National Norms
1243	Adrian College	Adrian	MI	21	yes
354	Albertus Magnus College	New Haven	CT	16	no
414	American University	Washington	DC	5	yes
2432	Anderson University	Anderson	SC	22	yes
125	Art Center College of Design	Pasadena	CA	12	yes
944	Asbury University	Wilmore	KY	13	no
1322	Augsburg College	Minneapolis	MN	22	yes
599	Aurora University	Aurora	IL	12	yes
5569	Azusa Pacific University	Azusa	CA	4	yes
1141	Babson College	Wellesley	MA	14	yes
454	Barry University	Miami	FL	4	yes
1042	Bates College	Lewiston	ME	14	yes
5275	Bay Path College	Longmeadow	MA	11	yes
2519	Belmont University	Nashville	TN	23	yes
2931	Beloit College	Beloit	WI	14	yes
7072	Benedictine College	Atchison	KS	18	yes
692	Benedictine University	Lisle	IL	4	yes
5291	Benjamin Franklin Institute of Technology	Boston	MA	14	no
1934	Bennett College for Women	Greensboro	NC	38	no
948	Berea College	Berea	KY	13	yes
503	Berry College	Mount Berry	GA	13	yes
5194	Bethel College-Indiana	Mishawaka	IN	22	yes
5753	Biola University	La Mirada	CA	4	yes
1641	Bloomfield College	Bloomfield	NJ	20	no
2049	Bluffton University	Bluffton	OH	21	no
9113	Bridge Idaho-former Clearwater Valley Upward Bound	Moscow	ID		no
1193	Bridgewater State University	Bridgewater	MA	1	yes
131	California Baptist University	Riverside	CA	20	yes
135	California Institute of Technology	Pasadena	CA	6	yes
129	California State Polytechnic University-Pomona	Pomona	CA	9	yes
5010	California State University-Long Beach	Long Beach	CA	8	yes
194	California State University-Los Angeles	Los Angeles	CA	7	yes
4823	California State University-Monterey Bay	Seaside	CA	7	no
230	California State University-Northridge	Northridge	CA	7	yes
5751	California State University-San Bernardino	San Bernardino	CA	7	yes
4851	California State University-San Marcos	San Marcos	CA	7	yes
2053	Case Western Reserve University	Cleveland	OH	6	no
1938	Catawba College	Salisbury	NC	11	yes
416	Catholic University of America	Washington	DC	4	no
815	Central College	Pella	IA	23	yes
2054	Central State University	Wilberforce	OH	34	yes
141	Chapman University	Orange	CA	23	yes
2322	Cheyney University of Pennsylvania	Cheyney	PA	34	no
1941	Chowan University	Murfreesboro	NC	20	yes
2523	Christian Brothers University	Memphis	TN	18	no
2435	Citadel Military College of South Carolina	Charleston	SC	9	yes
507	Clark Atlanta University	Atlanta	GA	41	yes
1044	Colby College	Waterville	ME	14	yes
318	Colorado State University-Fort Collins	Fort Collins	CO	2	no
359	Connecticut College	New London	CT	14	yes
6667	Corban University	Salem	OR	22	yes

## Institutions Participating in the 2016 CIRP Freshman Survey

ACE	Institution	City	State	Stratification Cell	Included in National Norms
1573	Creighton University	Omaha	NE	18	yes
1881	CUNY College of Staten Island	Staten Island	NY	8	no
6430	CUNY Lehman College	Bronx	NY	8	yes
6166	Dalton State College	Dalton	GA	10	no
2244	Delaware Valley College	Doylestown	PA	12	yes
2247	Dickinson College	Carlisle	PA	14	yes
1005	Dillard University	New Orleans	LA	38	yes
687	Dominican University	River Forest	IL	17	yes
464	Eckerd College	Saint Petersburg	FL	23	yes
1947	Elon University	Elon	NC	14	yes
1157	Emerson College	Boston	MA	14	no
1158	Emmanuel College	Boston	MA	17	yes
5128	Emmanuel College	Franklin Springs	GA	20	no
2787	Emory & Henry College	Emory	VA	20	yes
511	Emory University	Atlanta	GA	6	yes
362	Fairfield University	Fairfield	CT	18	yes
2788	Ferrum College	Ferrum	VA	20	yes
4867	Florida Gulf Coast University	Fort Myers	FL	8	yes
461	Florida Memorial University	Miami Gardens	FL	38	no
463	Florida State University	Tallahassee	FL	2	yes
1773	Fordham University	Bronx	NY	5	yes
5414	Franklin Pierce University	Rindge	NH	11	yes
212	Fresno Pacific University	Fresno	CA	20	yes
897	Friends University	Wichita	KS	12	yes
2446	Furman University	Greenville	SC	14	yes
961	Georgetown College	Georgetown	KY	23	yes
515	Georgia Institute of Technology-Main Campus	Atlanta	GA	3	no
2263	Gettysburg College	Gettysburg	PA	14	yes
1164	Gordon College	Wenham	MA	23	yes
758	Goshen College	Goshen	IN	22	yes
1082	Goucher College	Baltimore	MD	13	yes
5199	Grace College and Theological Seminary	Winona Lake	IN	21	yes
1006	Grambling State University	Grambling	LA	34	yes
834	Grinnell College	Grinnell	IA	14	yes
1953	Guilford College	Greensboro	NC	22	yes
1776	Hamilton College	Clinton	NY	14	yes
9107	Harrisburg University of Science and Technology	Harrisburg	PA	11	yes
180	Harvey Mudd College	Claremont	CA	14	yes
2267	Haverford College	Haverford	PA	14	yes
2072	Hiram College	Hiram	OH	12	yes
1755	Hobart William Smith Colleges	Geneva	NY	14	no
2794	Hollins University	Roanoke	VA	13	yes
2266	Holy Family University	Philadelphia	PA	16	yes
152	Holy Names University	Oakland	CA	16	yes
424	Howard University	Washington	DC	41	no
8	Huntingdon College	Montgomery	AL	20	no
642	Illinois College	Jacksonville	IL	22	yes
646	Illinois Wesleyan University	Bloomington	IL	14	no

## Institutions Participating in the 2016 CIRP Freshman Survey

ACE	Institution	City	State	Stratification Cell	Included in National Norms
7813	Institute of American Indian and Alaska Native Culture	Santa Fe	NM	7	no
1785	Iona College	New Rochelle	NY	16	yes
1956	Johnson C. Smith University	Charlotte	NC	35	yes
652	Knox College	Galesburg	IL	14	no
2947	Lawrence University	Appleton	WI	14	yes
2277	Lebanon Valley College	Annaville	PA	22	yes
2537	Lee University	Cleveland	TN	23	yes
2194	Lewis & Clark College	Portland	OR	14	yes
4715	Life Pacific College	San Dimas	CA	20	yes
7448	LIM College	New York	NY		no
2539	Lincoln Memorial University	Harrogate	TN	13	yes
2279	Lincoln University of Pennsylvania	Lincoln University	PA	34	yes
1959	Livingstone College	Salisbury	NC	38	no
2796	Longwood University	Farmville	VA	8	no
657	Loyola University Chicago	Chicago	IL	5	yes
2283	Lycoming College	Williamsport	PA	22	yes
1344	Macalester College	Saint Paul	MN	23	yes
1275	Marygrove College	Detroit	MI	16	yes
2285	Marywood University	Scranton	PA	17	yes
525	Mercer University	Macon	GA	5	yes
199	Mills College	Oakland	CA	13	yes
1412	Millsaps College	Jackson	MS	23	yes
5475	Molloy College	Rockville Centre	NY	17	yes
667	Monmouth College	Monmouth	IL	21	no
1662	Montclair State University	Montclair	NJ	8	yes
2287	Moore College of Art and Design	Philadelphia	PA	11	no
5796	Morehouse College	Atlanta	GA	35	yes
1094	Morgan State University	Baltimore	MD	40	no
204	Mt. San Antonio College	Walnut	CA	27	no
5888	Neumann University	Aston	PA	16	yes
471	New College of Florida	Sarasota	FL	9	yes
674	North Central College	Naperville	IL	23	no
1184	Northeastern University	Boston	MA	6	yes
848	Northwestern College	Orange City	IA	23	yes
1286	Oakland University	Rochester Hills	MI	1	yes
207	Occidental College	Los Angeles	CA	14	yes
2163	Oklahoma City University	Oklahoma City	OK	23	yes
5566	Oklahoma Wesleyan University	Bartlesville	OK	21	yes
4892	Oxford College of Emory University	Oxford	GA		no
6615	Palm Beach Atlantic University	West Palm Beach	FL	22	yes
104	Philander Smith College	Little Rock	AR	38	yes
219	Pomona College	Claremont	CA	14	yes
2210	Portland State University	Portland	OR	1	no
683	Principia College	Elsah	IL	13	yes
2409	Providence College	Providence	RI	18	yes
7241	Ramapo College of New Jersey	Mahwah	NJ	9	no

## Institutions Participating in the 2016 CIRP Freshman Survey

ACE	Institution	City	State	Stratification Cell	Included in National Norms
2805	Randolph College	Lynchburg	VA	22	yes
2209	Reed College	Portland	OR	14	no
1187	Regis College	Weston	MA	16	yes
2413	Rhode Island School of Design	Providence	RI	14	yes
1621	Rivier University	Nashua	NH	16	yes
685	Rockford University	Rockford	IL	12	yes
5626	Roger Williams University	Bristol	RI	13	yes
2309	Rosemont College	Rosemont	PA	16	yes
1672	Rutgers University-Camden	Camden	NJ	9	no
1673	Rutgers University-Newark	Newark	NJ	2	no
5082	Sacred Heart University	Fairfield	CT	18	no
2313	Saint Francis University	Loretto	PA	17	no
781	Saint Mary's College	Notre Dame	IN	18	yes
2974	Saint Norbert College	De Pere	WI	18	yes
236	San Francisco State University	San Francisco	CA	1	no
2857	Seattle Pacific University	Seattle	WA	4	yes
2858	Seattle University	Seattle	WA	18	no
2944	Silver Lake College of the Holy Family	Manitowoc	WI	16	no
1188	Simmons College	Boston	MA	13	yes
5052	Simpson University	Redding	CA	22	no
1499	Southeast Missouri State University	Cape Girardeau	MO	9	no
2553	Southern Adventist University	Collegedale	TN	21	yes
2144	Southern Nazarene University	Bethany	OK	21	no
2664	Southwestern University	Georgetown	TX	23	yes
502	Spelman College	Atlanta	GA	35	no
1846	St. Lawrence University	Canton	NY	14	yes
1949	St. Andrews University	Laurinburg	NC	20	yes
1839	St. Francis College	Brooklyn Heights	NY	11	no
5498	St. Thomas Aquinas College	Sparkill	NY	11	yes
1204	Suffolk University	Boston	MA	4	yes
7028	SUNY at Purchase College	Purchase	NY	9	no
1878	SUNY College at Potsdam	Potsdam	NY	9	yes
4894	SUNY Institute of Technology at Utica-Rome	Utica	NY	9	no
783	Taylor University	Upland	IN	23	yes
2675	Texas Christian University	Fort Worth	TX	5	no
2659	Texas State University-San Marcos	San Marcos	TX	1	no
2063	The College of Wooster	Wooster	OH	14	yes
5742	The Master's College and Seminary	Santa Clarita	CA	22	yes
7026	The Richard Stockton College of New Jersey	Pomona	NJ	9	yes
476	The University of Tampa	Tampa	FL	12	yes
2692	The University of Texas at El Paso	El Paso	TX	1	no
7256	Touro College	New York	NY	12	no
2685	Trinity University	San Antonio	TX	23	yes
435	Trinity Washington University	Washington	DC	16	no
1024	Tulane University of Louisiana	New Orleans	LA	6	yes
2561	Tusculum College	Greeneville	TN	21	yes
1884	Union College	Schenectady	NY	14	no
2562	Union University	Jackson	TN	5	no
341	United States Air Force Academy	Colorado Springs	CO	9	yes
380	United States Coast Guard Academy	New London	CT	9	yes

## Institutions Participating in the 2016 CIRP Freshman Survey

ACE	Institution	City	State	Stratification Cell	Included in National Norms
1100	United States Naval Academy	Annapolis	MD	9	yes
48	University of Alaska Fairbanks	Fairbanks	AK	1	yes
76	University of Arkansas at Pine Bluff	Pine Bluff	AR	34	yes
382	University of Bridgeport	Bridgeport	CT	11	yes
262	University of California-Riverside	Riverside	CA	1	yes
260	University of California-San Diego	La Jolla	CA	3	yes
1456	University of Central Missouri	Warrensburg	MO	8	no
2147	University of Central Oklahoma	Edmond	OK	8	no
1276	University of Detroit Mercy	Detroit	MI	18	yes
9109	University of Hawaii-West Oahu	Pearl City	HI	7	yes
584	University of Idaho	Moscow	ID	2	yes
184	University of La Verne	La Verne	CA	4	yes
6086	University of Maryland-Baltimore County	Baltimore	MD	2	yes
1207	University of Massachusetts Amherst	Amherst	MA	2	yes
5773	University of Massachusetts-Dartmouth	North Dartmouth	MA	1	no
1294	University of Michigan-Ann Arbor	Ann Arbor	MI	3	yes
6400	University of Michigan-Flint	Flint	MI	9	no
5365	University of Minnesota-Morris	Morris	MN	9	yes
2	University of Montevallo	Montevallo	AL	9	yes
1609	University of Nevada-Reno	Reno	NV	2	yes
1984	University of North Carolina at Chapel Hill	Chapel Hill	NC	3	yes
6232	University of Pittsburgh-Bradford	Bradford	PA	8	yes
2342	University of Pittsburgh-Pittsburgh Campus	Pittsburgh	PA	3	yes
2213	University of Portland	Portland	OR	18	yes
265	University of Redlands	Redlands	CA	13	yes
2458	University of South Carolina-Columbia	Columbia	SC	2	no
9119	University of South Florida Sarasota-Manatee	Sarasota	FL	9	no
268	University of Southern California	Los Angeles	CA	6	yes
157	University of the Pacific	Stockton	CA	5	yes
2819	University of Virginia-Main Campus	Charlottesville	VA	3	yes
2029	Valley City State University	Valley City	ND	7	yes
787	Valparaiso University	Valparaiso	IN	23	yes
2567	Vanderbilt University	Nashville	TN	6	yes
5053	Vanguard University of Southern California	Costa Mesa	CA	20	no
1891	Vassar College	Poughkeepsie	NY	14	yes
5517	Villa Maria College	Buffalo	NY	16	yes
2828	Virginia Union University	Richmond	VA	38	no
2459	Voorhees College	Denmark	SC	38	no
789	Wabash College	Crawfordsville	IN	13	yes
1987	Wake Forest University	Winston Salem	NC	5	yes
5562	Walsh University	North Canton	OH	17	yes
2214	Warner Pacific College	Portland	OR	20	yes
858	Wartburg College	Waverly	IA	23	yes
1588	Wayne State College	Wayne	NE	8	no
1295	Wayne State University	Detroit	MI	1	yes
2349	Waynesburg University	Waynesburg	PA	21	yes
1895	Wells College	Aurora	NY	12	yes
5035	Western New England University	Springfield	MA	12	yes
274	Westmont College	Santa Barbara	CA	14	yes
2867	Whitman College	Walla Walla	WA	14	yes
2868	Whitworth University	Spokane	WA	23	no

**Institutions Participating in the 2016 CIRP Freshman Survey**

<b>ACE</b>	<b>Institution</b>	<b>City</b>	<b>State</b>	<b>Stratification Cell</b>	<b>Included in National Norms</b>
2354	Wilkes University	Wilkes-Barre	PA	12	yes
2215	Willamette University	Salem	OR	14	yes
105	Williams Baptist College	Walnut Ridge	AR	21	yes
2355	Wilson College	Chambersburg	PA	20	yes
1992	Wingate University	Wingate	NC	12	yes
1993	Winston-Salem State University	Winston-Salem	NC	34	yes
1026	Xavier University of Louisiana	New Orleans	LA	39	yes

APPENDIX D

**The Precision of the Normative Data  
and Their Comparisons**



## THE PRECISION OF THE NORMATIVE DATA AND THEIR COMPARISONS

A common question asked about sample surveys relates to the precision of the data, which is typically reported as the accuracy of a percentage “plus or minus x percentage points.” This figure, which is known as a confidence interval, can be estimated for items of interest if one knows the response percentage and its standard error.

Given the CIRP’s large normative sample, the calculated standard error associated with any particular response percentage will be small (as will its confidence interval). It is important to note, however, that traditional methods of calculating standard error assume conditions which, (as is the case with most real sample survey data), do not apply here. Moreover, there are other possible sources of error which should be considered in comparing data across normative groups, across related item categories, and over time. In reference to the precision of the CIRP data, these concerns include:

- 1) Traditional methods of calculating standard error assume that the *individuals* were selected through simple random sampling. Given the complex stratified design of the CIRP, where whole institutions participate, it is likely that the actual standard errors will be somewhat larger than the standard error estimates produced through traditional computational methods. In addition, while every effort has been made to maximize the comparability of the institutional sample from year to year (repeat participation runs

about 90 percent), comparability is reduced by non-repeat participation and year-to-year variation in the quality of data collected by continuing institutional participants. While the CIRP stratification and weighting procedures are designed to minimize this institutional form of “response bias,” an unknown amount of non-random variation is introduced into the results.

- 2) The wording of some questions in the survey instrument, the text and number of response options, and their order of presentation have changed over the years. We have found that even small changes can produce large order and context effects. Given this, the *exact* wording and order of items on the survey instrument (see Appendix B) should be examined carefully prior to making comparisons across survey years.
- 3) Substantial changes in the institutional stratification scheme were made in 1968, 1971, 1975, 2001, and 2009. These changes resulted in a revision of the weights applied to individual institutions. Stratification cell assignments of a few institutions may also change from time to time, but the scale of these changes and their effect on the national normative results are likely to be small in comparison to other sources of bias.

Since it is impractical to report statistical indicators for every percentage in every CIRP comparison group, it is important for those who

are interested to be able to estimate the precision of the data. Toward this end, Table D1 provides estimates of standard errors for comparison groups of various sizes and for different percentages<sup>1</sup> which can be used to derive confidence interval estimates.

For example, suppose the item we are interested in has a response percentage of 15.7 percent among students at all nonsectarian four-year colleges (a normative group that is 28,272 in size). First, we choose the column that is closest to the observed percentage 15.7—in this case “15%.”<sup>2</sup> Next, we select the row closest to the unweighted sample size of 28,272—in this case “20,000.” Consulting Table D1, we find the estimated standard error would be .252.

To calculate the confidence interval at the 95% probability level, we multiply the estimated standard error by the critical value of t for the unweighted sample size (which, for all CIRP comparison groups, will be equal to 1.96 at the .05 level of probability).<sup>3</sup> In this example, we would multiply the estimated standard error of .252 by 1.96, which yields .494. If we round this figure to a single decimal point we would then estimate our confidence interval to be 15.7 ± .5. In practical terms, this confidence interval means that if we were to replicate this survey using the same size sample, we would expect that the resulting percentage would fall between 15.2 percent and 16.2 percent 95 times out of 100.

**Table D1. Estimated Standard Errors of Percentages for Comparison Groups of Various Sizes**

Unweighted size of comparison groups	Percentage										
	1%	5%	10%	15%	20%	25%	30%	35%	40%	45%	50%
500	.445	.975	1.342	1.597	1.789	1.936	2.049	2.133	2.191	2.225	2.236
1,000	.315	.689	.949	1.129	1.265	1.369	1.449	1.508	1.549	1.573	1.581
5,000	.141	.308	.424	.505	.566	.612	.648	.675	.693	.704	.707
10,000	.099	.218	.300	.357	.400	.433	.458	.477	.490	.497	.500
20,000	.070	.154	.212	.252	.283	.306	.324	.337	.346	.352	.354
40,000	.050	.109	.150	.179	.200	.217	.229	.238	.245	.249	.250
55,000	.042	.093	.128	.152	.171	.185	.195	.203	.209	.212	.213
70,000	.038	.082	.113	.135	.151	.164	.173	.180	.185	.188	.189
90,000	.033	.073	.100	.119	.133	.144	.153	.159	.163	.166	.167
110,000	.030	.066	.090	.108	.121	.131	.138	.144	.148	.150	.151
130,000	.028	.060	.083	.099	.111	.120	.127	.132	.136	.138	.139
240,000	.020	.044	.061	.073	.082	.088	.094	.097	.100	.102	.102

Note: Assumes simple random sampling.

<sup>1</sup> Calculated by  $\sqrt{\frac{x\%(100-x\%)}{N}}$  where x is the percentage of interest and N is the population count from Table A1.

<sup>2</sup> Since the distribution of the standard errors is symmetrical around the 50 percent mid-point, for percentages over 50 simply subtract the percentage from 100 and use the result to select the appropriate column. For example, if the percentage we were interested in was 59, 100 – 59 percent yields 41, so we would use the column labeled ‘40%.’

<sup>3</sup> To calculate the confidence interval at the 99% probability level the critical t value is 2.56.

## ABOUT THE AUTHORS

**Kevin Eagan** is an Assistant Professor in Residence and the Director of the Cooperative Institutional Research Program (CIRP). He is also the Managing Director of the Higher Education Research Institute (HERI), where the CIRP surveys are administered. His research interests include issues related to undergraduate science, technology, engineering, and mathematics (STEM) education, contingent faculty, student retention, institutional contexts and structures of opportunity, survey validity and reliability, and advanced quantitative methods.

**Ellen Bara Stolzenberg** is the Assistant Director for Research at the Higher Education Research Institute at UCLA. Dr. Stolzenberg's responsibilities within HERI include helping institutions use CIRP data in their long-term assessment plans and the accreditation process; representing CIRP as a presenter and exhibitor at national and regional conferences; and contributing to monographs, infographics, and research briefs summarizing the surveys and highlighting key issues in higher education. Her research interests include students in transition, disciplinary culture, student-faculty interaction, and graduate education.

**Hilary B. Zimmerman** is a doctoral candidate in the Higher Education and Organizational Change program at UCLA's Graduate School of Education and Information Studies and a research analyst for the Higher Education Research Institute. Her research interests include college student civic and political engagement and leadership.

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**Cecilia Rios-Aguilar** is an Associate Professor of Education and the Director of the Higher Education Research Institute in the Graduate School of Education and Information Studies at the University of California Los Angeles. Dr. Rios-Aguilar's research is multidisciplinary and uses a variety of conceptual frameworks—funds of knowledge and the forms of capital—and of statistical approaches—regression analysis, multilevel models, structural equation modeling, GIS, and social network analysis—to study the educational and occupational trajectories of under-represented minorities. Dr. Rios-Aguilar's research interests include quantitative research methods, big data, social media, community colleges, and educational policies. She currently serves on the Editorial Board of the journal, *Community College Review*.

**Completing College:  
Assessing Graduation Rates at Four-Year  
Institutions**

November, 2011/55 pages

Provides latest information on four-, five-, and six-year degree attainment rates collected longitudinally from 356 baccalaureate-granting institutions. Differences by institutional type, gender, first-generation status and race/ethnicity are examined. The study highlights main predictors of degree completion and provides several formulas for calculating expected institutional completion rates.

**The American Freshman:  
National Norms for Fall 2016\***

2016/XX pages

E-book with expanded table/XXX pages

Provides national normative data on the characteristics of students attending American colleges and universities as first-time, full-time freshmen. In 2016, data from 137,456 entering first-year students are statistically adjusted to reflect the 1.5 million students entering college. The annual report covers: demographic characteristics; expectations of college; degree goals and career plans; college finances; and attitudes, values and life goals.

\*Note: Publications from earlier years are also available.

**The American Freshman:  
Fifty-Year Trends, 1966–2015**

June, 2016/155 pages

E-book with expanded tables/343 pages

Summarizes trends data in the Cooperative Institutional Research Program (CIRP) Freshman Survey between 1966 and 2015. The report examines changes in the diversity of students entering college; emotional well-being and drive to achieve; students' financial concerns and sources of financial aid; and the role of early admissions in college choice. Trends in students' political and social attitudes are also covered.

**Undergraduate Teaching Faculty:  
The 2013–2014 HERI Faculty Survey\***

November, 2014/111 pages

E-book with expanded tables/199 pages

Provides an informative profile of teaching faculty at American colleges and universities. The 2013–2014 norms covers several areas: Faculty's Online Teaching, Trends in Student-Centered Pedagogy, and Perceptions of Campus Climate. Additionally, the report includes a section devoted to examining the experiences and perceptions of part-time faculty. Results are reported by institutional type for all faculty, male faculty, and female faculty.

\*Note: Publications from earlier years are also available.

**Advancing in Higher Education:  
A Portrait of Latina/o College Freshmen  
at Four-Year Institutions, 1975–2006**

October, 2008/90 pages

The purpose of this report is to provide a portrait of Latina/o students entering four-year colleges and universities from 1975–2006. It is intended as a data resource for higher education in understanding the unique characteristics of the increasing numbers of Latina/o first-time, full-time freshmen. The national data come from the Cooperative Institutional Research Program (CIRP) Freshman Survey. For the first time, CIRP trends are disaggregated by specific Latina/o ethnic origin group and by gender, to highlight the heterogeneity in the population unavailable in other national reports on Hispanic college students.

**Beyond Myths: The Growth and Diversity  
of Asian American College Freshmen: 1971–2005**

September, 2007/63 pages

The first-year student trends examined in this report help to address some common characterizations of Asian American students, particularly with respect to their educational success, that are often overstated and taken out of context. The findings suggest that Asian Americans still have to overcome a number of obstacles, such as levels of family income and financial aid, to earn a coveted spot in higher education. This report features data collected from the Cooperative Institutional Research Program (CIRP) Freshman Survey. It is based on the 361,271 Asian/Asian American first-time full-time college students from 1971–2005, representing the largest compilation and analysis of data on Asian American college students ever undertaken.

**First in My Family:  
A Profile of First-Generation College Students  
at Four-Year Institutions Since 1971**

February, 2007/62 pages

First-generation college students are receiving increasing attention from researchers, practitioners, and policymakers with the aim of better understanding their college decision-making process and supporting their progress in higher education. This report explores the changing dynamic between first-generation college students and their non first-generation peers by utilizing longitudinal trends data collected through the CIRP Freshman Survey (1971–2005).

**Black Undergraduates from Bakke to Grutter:  
Freshman Status, Trends, and Prospects, 1971–2004**

November, 2005/41 pages

Summarizes the status, trends and prospects of Black college freshmen using data collected from 1971 to 2004 through the Cooperative Institutional Research Program (CIRP). Based on more than half a million Black freshman students, the report examines gender differences; socioeconomic status; academic preparation and aspirations; and civic engagement.

To download reports visit the HERI publications webpage: <https://heri.ucla.edu/publications/>





