

What Matters in College After College

A Comparative Alumnae Research Study

Prepared for the
Women's College Coalition
www.womenscolleges.org

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HARDWICK  DAY

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Key Messages

A women's college education...

- Proves its value over a lifetime
- Develops critical skills for life and career
- Enables students to engage with top faculty and resources
- Creates leaders, communicators, and persuaders

What These Data Are

One point in the Coalition's research agenda to:

- Provide a clear base for marketing strategies and initiatives that differentiate the benefits of our sector from other sectors
- Provide data on areas where we fall short or have room for improvement and change.

Why Does the World Need Women's Colleges? Defining our Research Agenda

From our strategic plan:

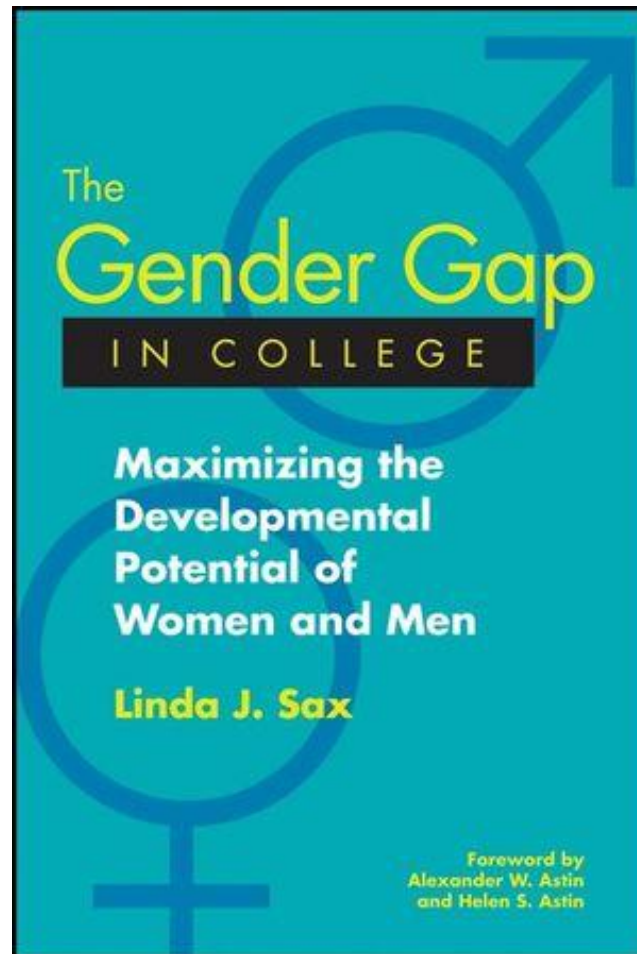
The Coalition will develop and implement a creative research agenda that provides members and opinion leaders with compelling data and analysis of the effectiveness of a women's college education and that illuminates the factors that can impede or enhance the well-being and success of women and girls before, during, and after college.

Goal 1: Building on the findings of Hardwick-Day, NSSE, and other studies, develop a research initiative that examines the effectiveness of women's colleges as a sector in achieving specific learning outcomes for our students and alumnae.

Goal 2: Facilitate collaborative research initiatives among women's colleges that produce new knowledge about innovative practices in women's education and a deeper understanding of factors promoting or impeding women's the well-being, achievement and success of women and girls. Priority will be given to projects that are fundable, linked to larger national/global discussions and priorities, and likely to raise the visibility of women's colleges.

Implications for Understanding Today's College Women

Are there gender differences in the “impact” of college?



The Gender Gap in College

Study A:

Forty year trends in women's college population: how have the backgrounds, characteristics, and predispositions of women's college attendees shifted over past 4 decades. How does the shift compare to women at coed, liberal arts colleges?

Study C:

Examination of faculty at women's colleges: what are the characteristics and experiences of faculty at women's colleges and how does this compare to faculty and similar coed institutions?

Study Rationale

The Women's Colleges Comparative Alumnae Research Project is organized around key factors identified by education researchers Alexander Astin, Ernest T. Pascarella and Patrick T. Terenzini as critical to educational effectiveness, specifically, those elements of the college environment that contribute to students' positive outcomes:

- Interaction between faculty and students
- A strong community and peer interactions both inside and outside the classroom
- A challenging, active classroom environment

Most previous studies assess students at graduation or in the first few years afterwards. This study was undertaken to assess lasting college effects, interviewing alumnae of each class more than 30 years after graduation, from 1970-2006.

What Matters in College

“Our review indicates two persistent themes in the research literature on college effects.

The first is the central role of other people in a student’s life, whether students or faculty. . . .

The second theme is the potency of the student’s effort and involvement in the academic and non-academic systems of the institutions they attend.”

Ernest T. Pascarella and Patrick T. Terenzini, *How College Affects Students*, 1991.

What Matters: Environment

“... although different types of institutions tend to have particular types of environments, ... it is the environment created by the faculty and the students ... that really seems to matter.

Finally, the single most important environmental influence on student development is the peer group.”

Alexander W. Astin, *What Matters in College? Four Critical Years Revisited*, 1993.

What Matters: Involvement

“The research is unequivocal: students who are actively involved in both academic and out-of-class activities gain more from the college experience than those who are not so involved.”

Ernest T. Pascarella and Patrick T. Terenzini, *How College Affects Students*, 1991.

Study Methodology

- Study conducted by Hardwick~Day using new Women's Colleges alumnae interviews and interviews held in an alumni database
 - 21-24 minute telephone interviews conducted August 30-November 15, 2011
 - Women graduates of graduating classes 1990-2006 from four-year institutions
 - Comparisons will be made to 1970-89 graduates when significant and interesting changes have occurred
 - Interviews are proportioned to be representative of the average enrollment over the study years with:
 - 178 alumnae of women's colleges and universities
 - 39 (87%) of the four-year Women's Colleges are represented
- Another private college group (excluding the women's colleges):
- 374 alumnae of other four-year liberal arts colleges
 - 178 colleges represented
- And a public university group:
- 164 alumnae of national "flagship" public universities
 - 95 of 118 (81% of the universities) represented

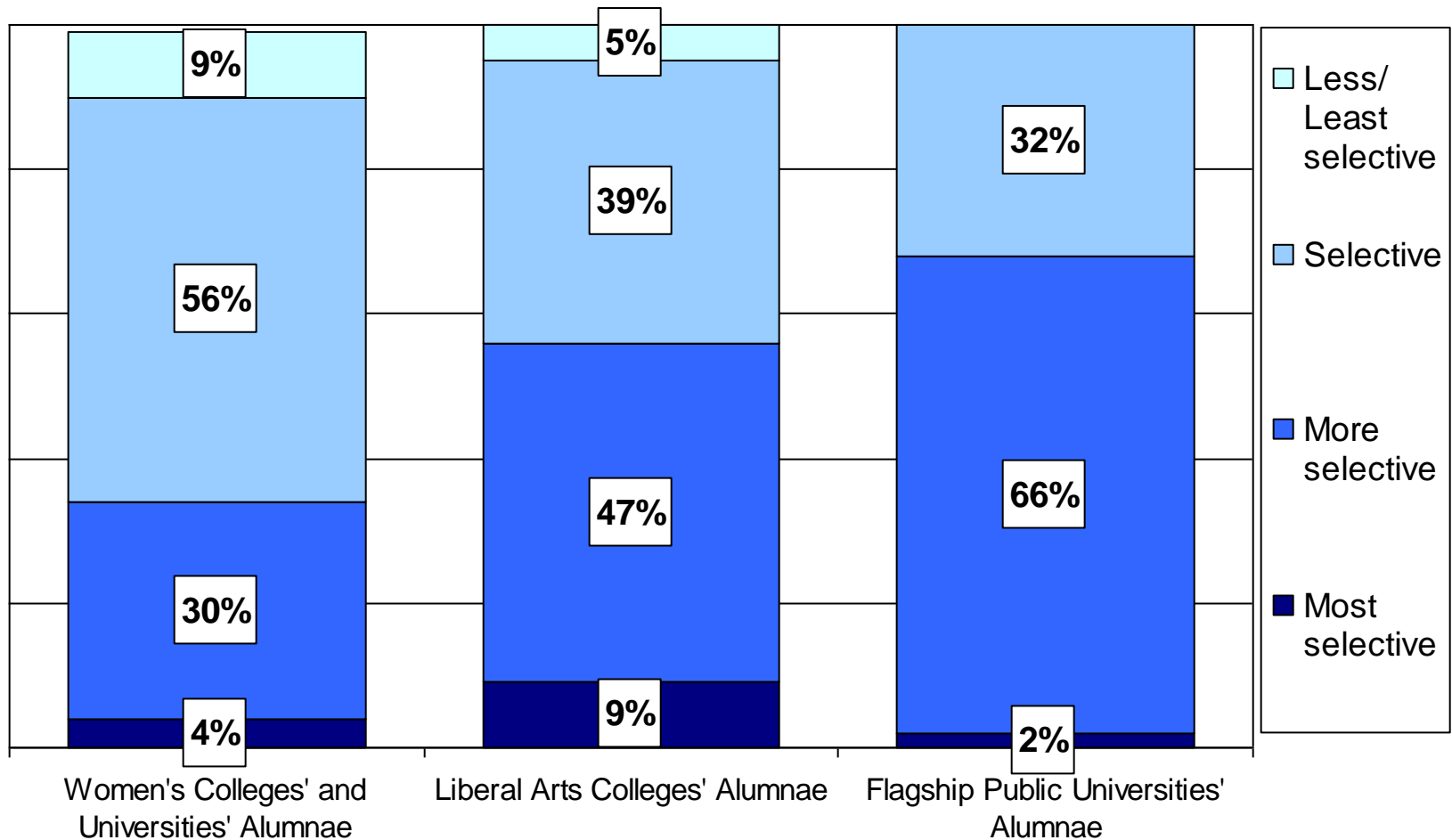
Study Methodology

- The margin of sampling error differs by group and between groups according to sample size, but can be generally summarized as:
 - Women’s Colleges and Universities +/-7.5 percentage points at a 95% confidence level
 - Other Liberal Arts Colleges: +/-5.2
 - Flagship Public Universities: +/-7.8
- Throughout this presentation, the groups represented in the charts are comprised of graduates from 1990-2006. When there are differences between the decades (1970-89 and 1990-2006), the percentages will be displayed in a box over the corresponding data point. The significantly higher number will be shown in **bold** type:

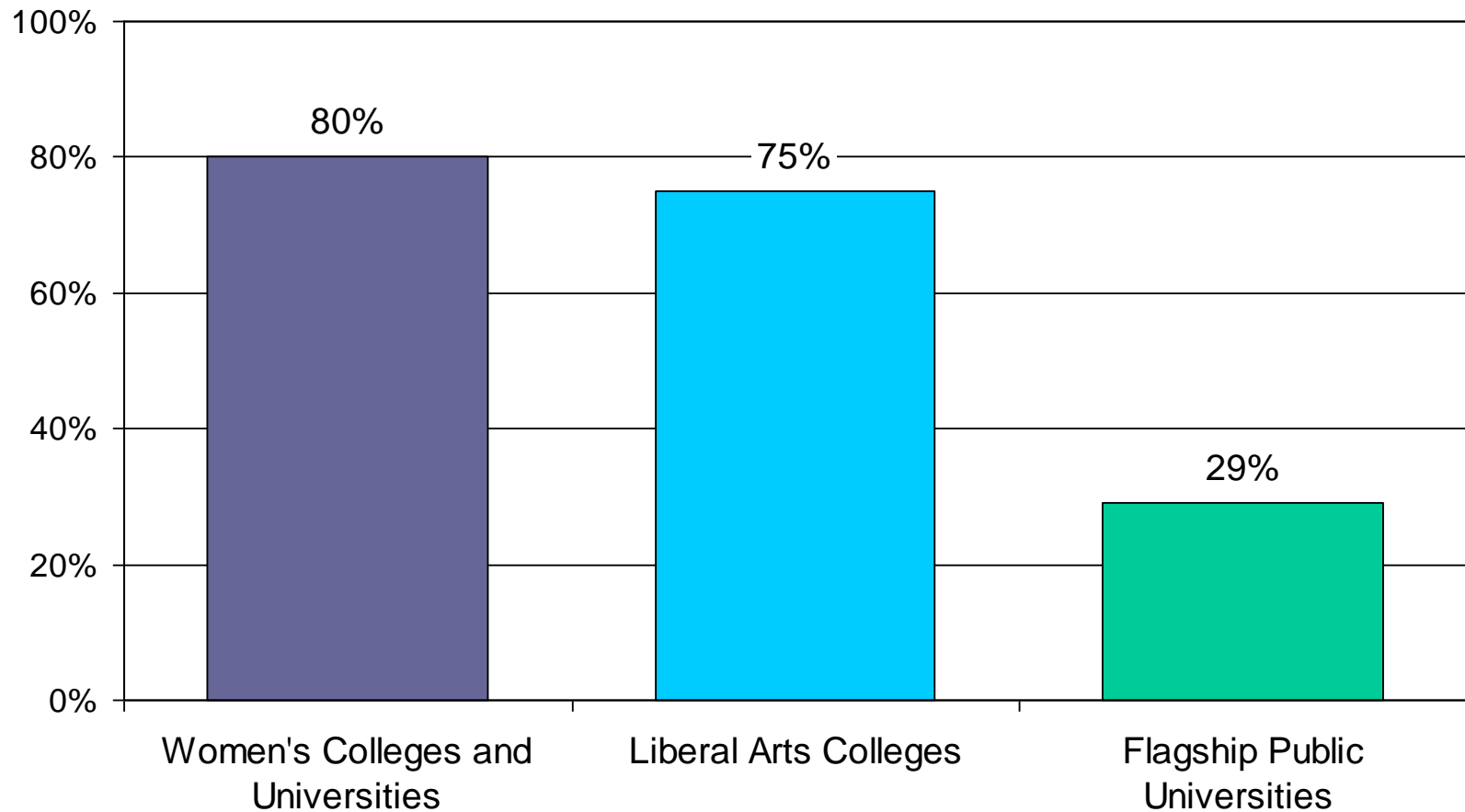
<u>1970-89</u>	<u>1990-06</u>
47%	68%

Selected Alumnae Characteristics

As a Group, Women's Colleges Alumnae Chose Colleges that Are Somewhat Less Selective than the Liberal Arts Colleges and Flagship Public Universities



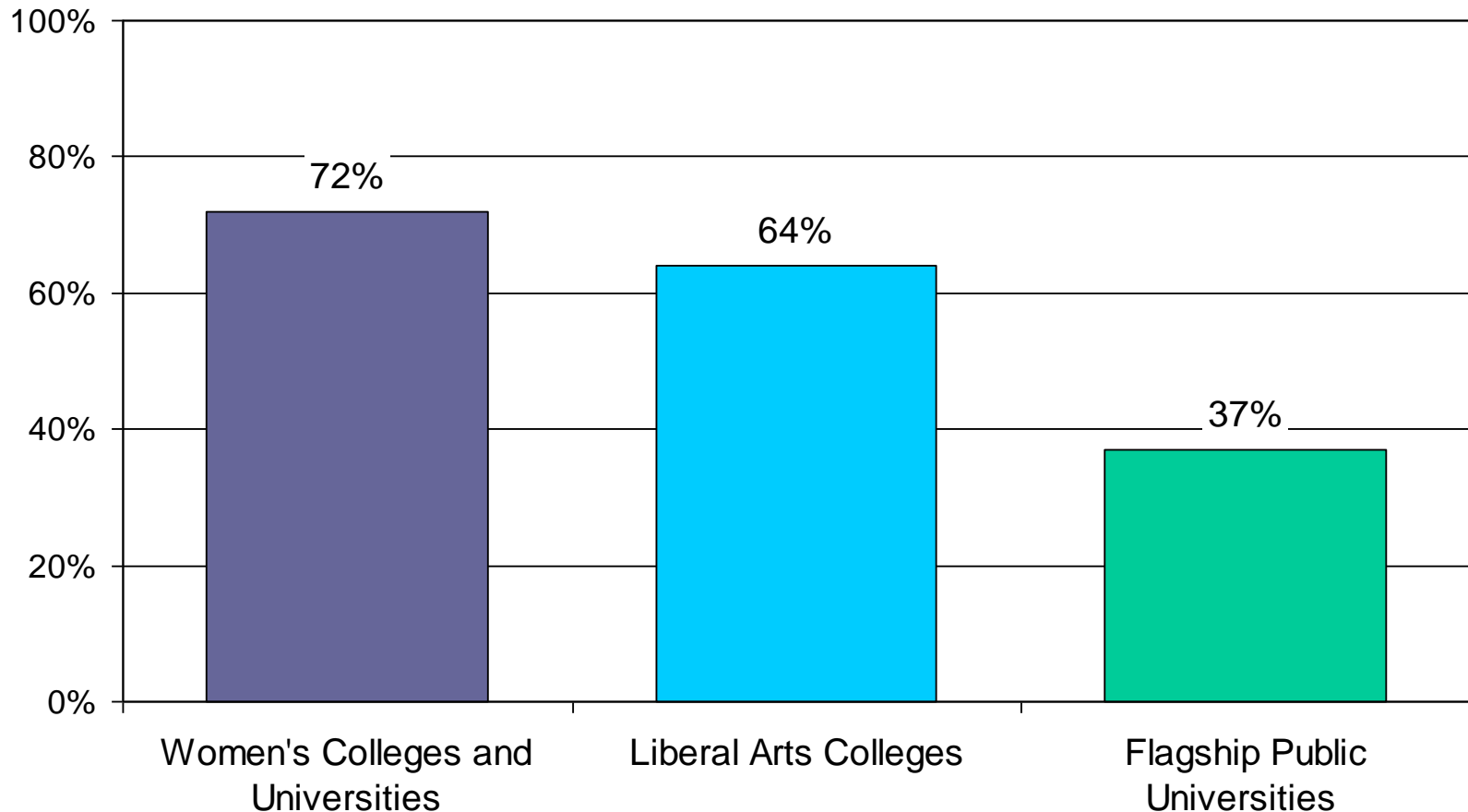
Women's Colleges Alumnae Were More Likely than Public University Alumnae to Have Lived on Campus for Most of Their College Years



The Women's Colleges group is significantly higher than the Flagship Public Universities group and similar to the Liberal Arts Colleges

Q.K For most of your college years, did you live (on campus)?

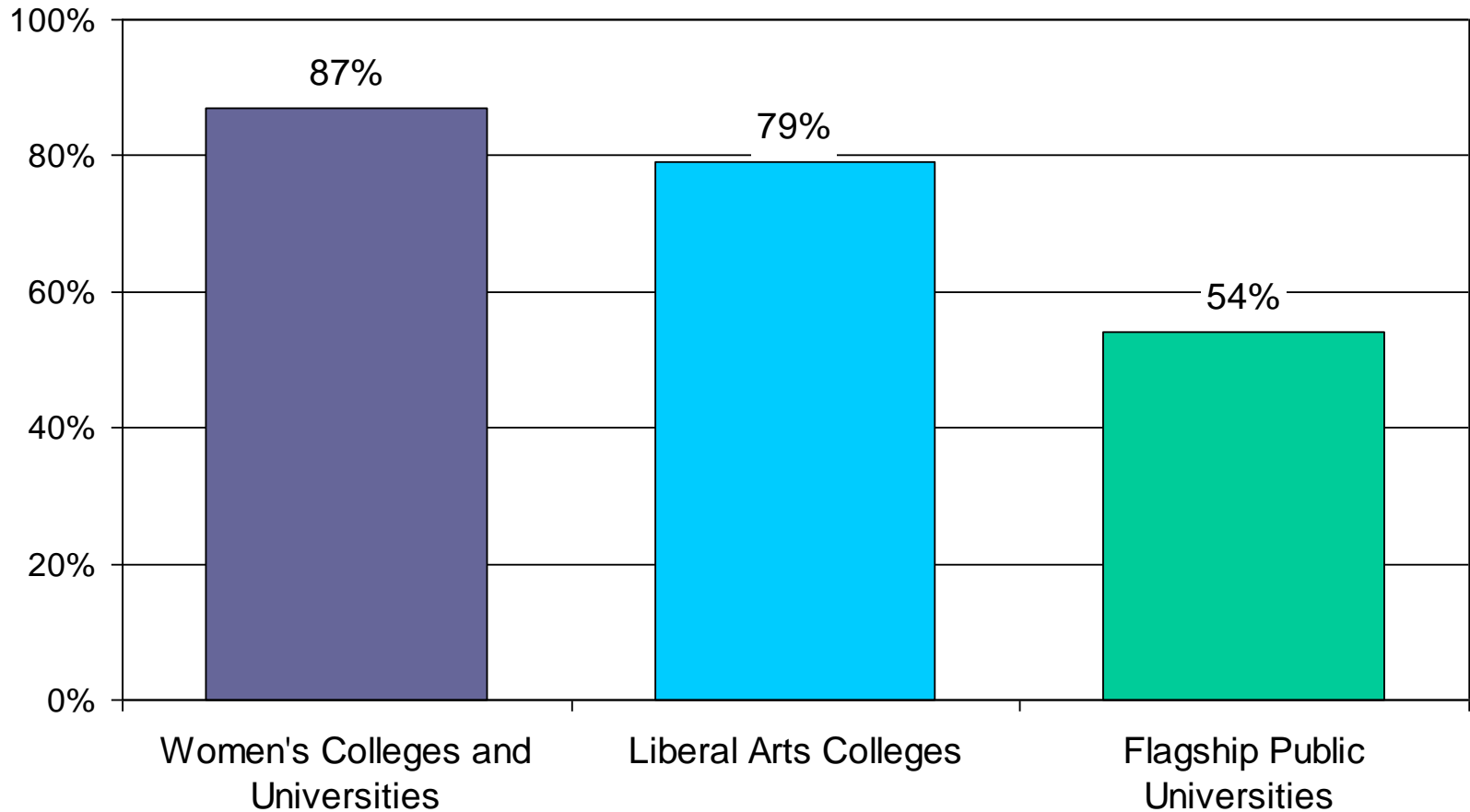
Women's Colleges Alumnae Are More Likely than Flagship Public University Alumnae to Say They Benefited Very Much from a Safe Campus Environment



The Women's Colleges group is significantly higher than the Flagship Public Universities group, and similar to the Liberal Arts Colleges

Q.1 Please tell me how much you personally benefited from...? (rating a 5 on a five-point scale, where 1=did not benefit at all and 5=benefited very much)

Women's Colleges Alumnae Were More Likely than All Other Alumnae to Have Graduated in Four Years or Less

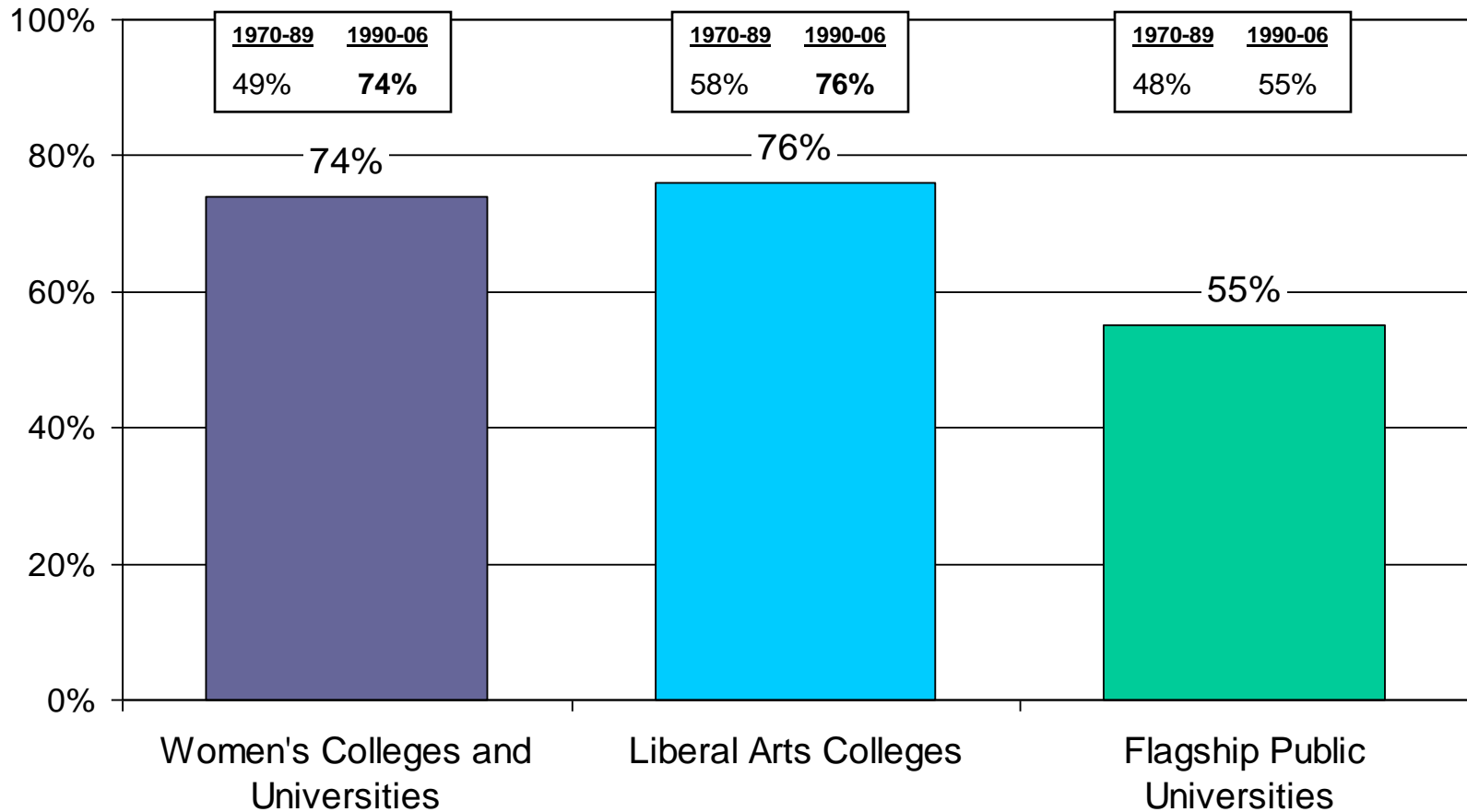


The Women's Colleges group is significantly higher than all other groups

Q.18 How many years did it take you to complete your undergraduate degree?
(Four years or less)

Significant
increase for
Women's
Colleges (and
L.A. colleges)

Women's Colleges Alumnae Were as Likely as Liberal Arts Colleges Alumnae to Have Received a Grant or Scholarship to Attend College

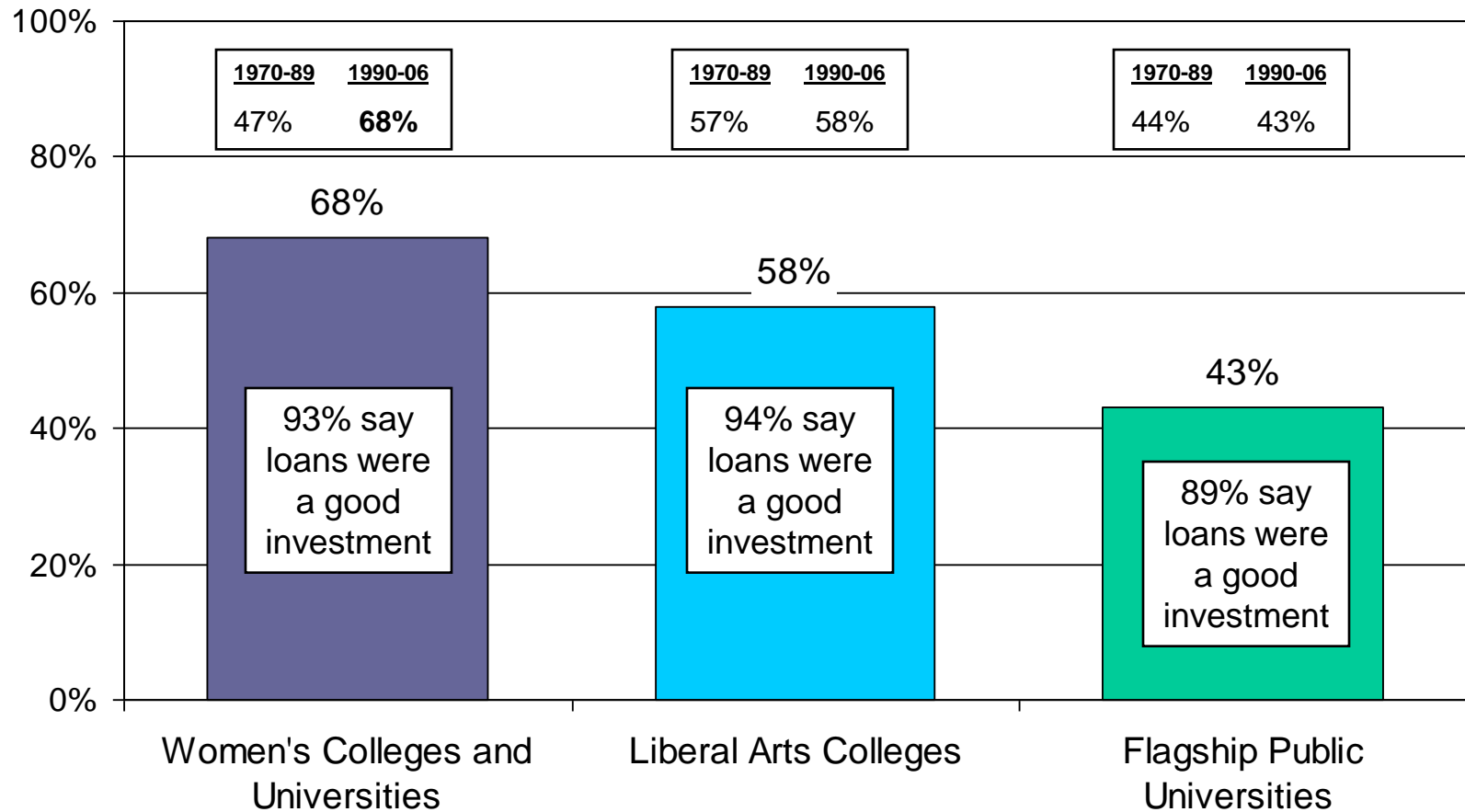


The Women's Colleges group is significantly higher than the Flagship Public Universities group, and similar to the Liberal Arts group

Q.13 Did you receive a scholarship or grant to attend college?

Significant
increase for
Women's
Colleges

Women's Colleges Alumnae Were More Likely than Other Alumnae to Have Taken a Loan to Attend College



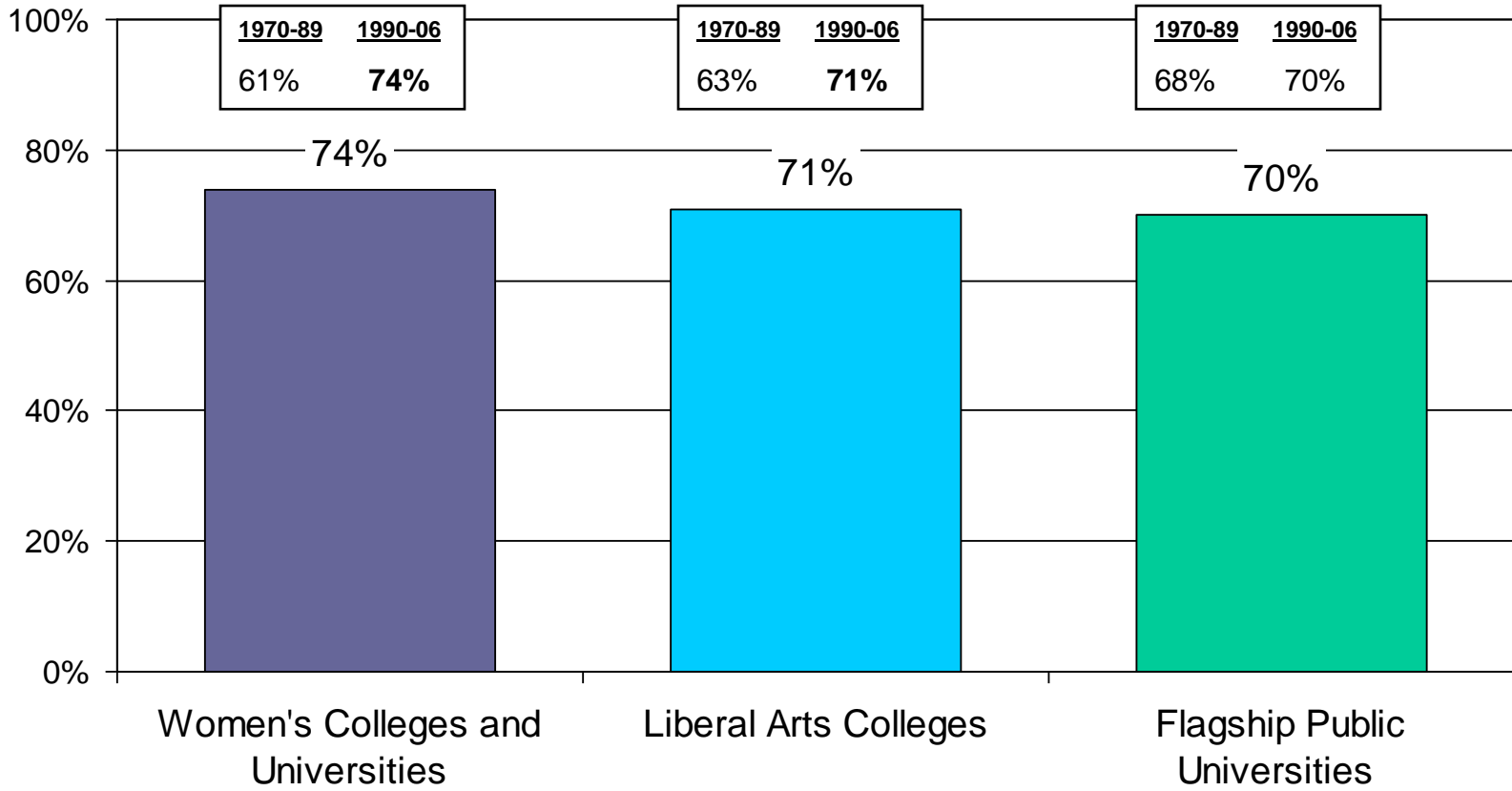
The Women's Colleges group is significantly higher than all other groups

Q.14 Did you take out loans to attend college?

Q.15a Were the loans a good investment on your part?

Significant increase for Women's Colleges (and L.A. colleges)

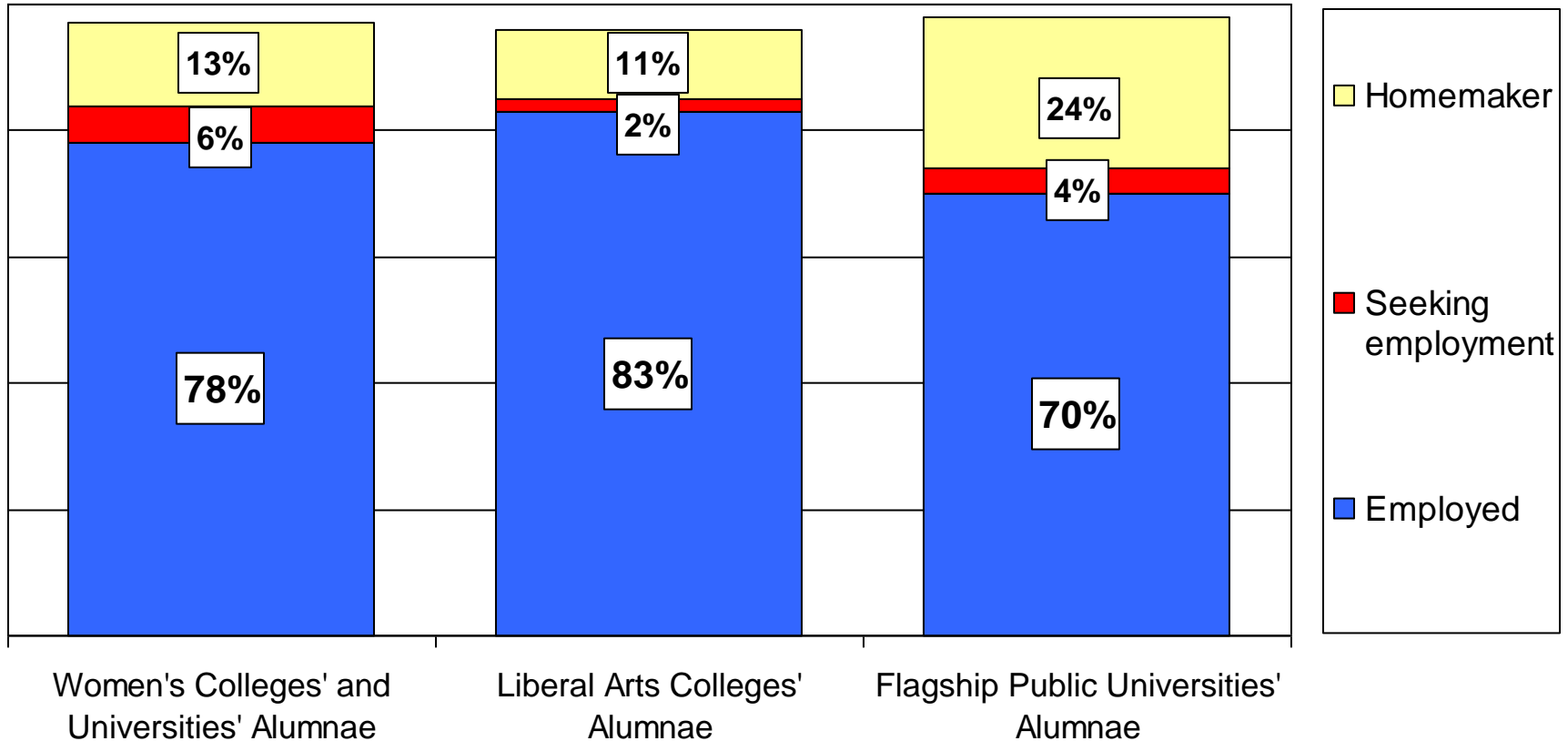
Women's Colleges Alumnae Were as Likely as Other Alumnae to Have Worked During the School Year



There are no significant differences

Q.17 Were you usually working during the college school year?

Current Employment Status for Women's Colleges Alumnae is Similar to Alumnae From Other Colleges and Universities

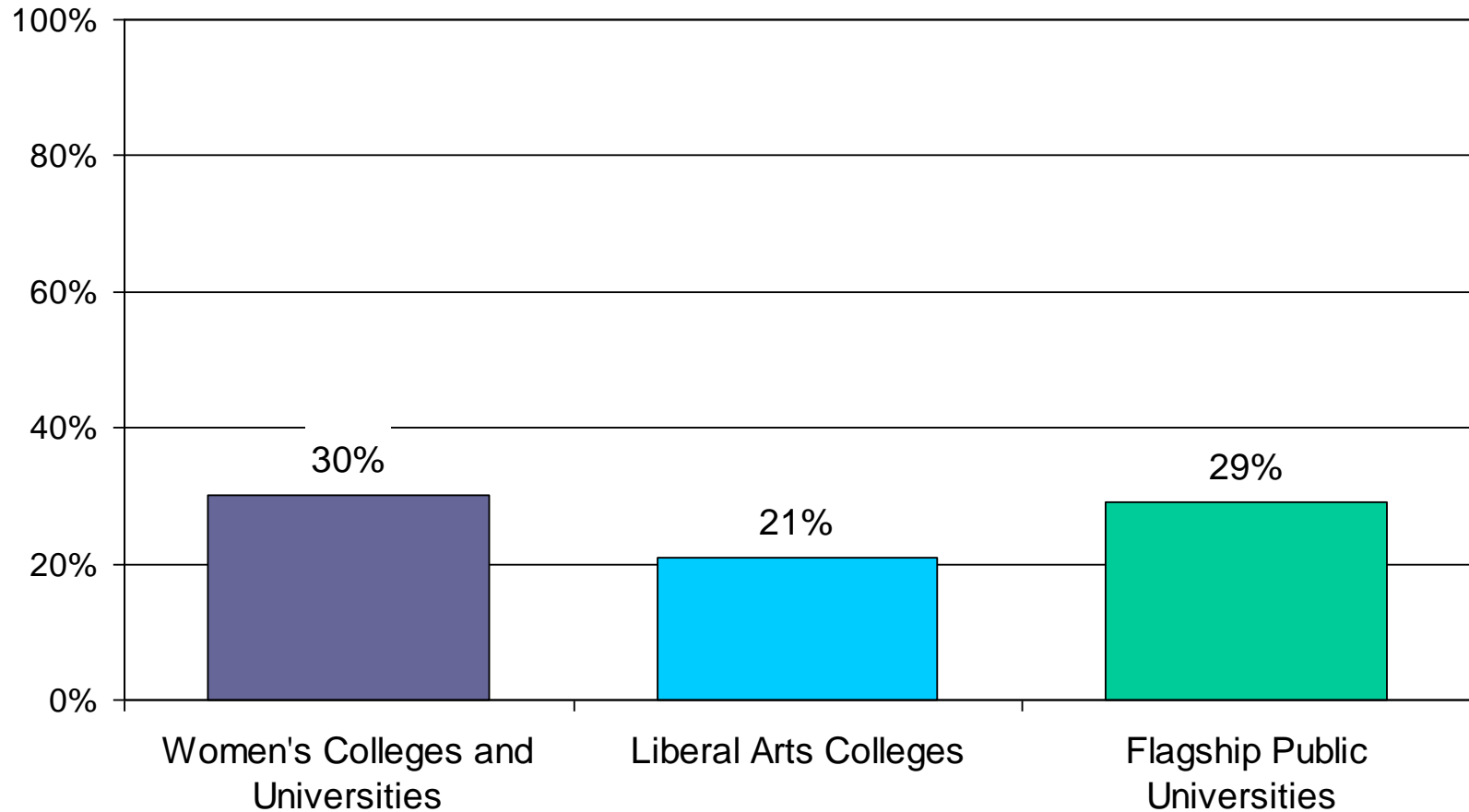


No groups are different from the Women's Colleges on "employed."

Women's Colleges alumnae are higher than the Liberal Arts Colleges on "seeking employment," while the Flagship Public alumnae are higher than all other groups for "homemaker."

Q.J1 Which of the following describe your current employment status?

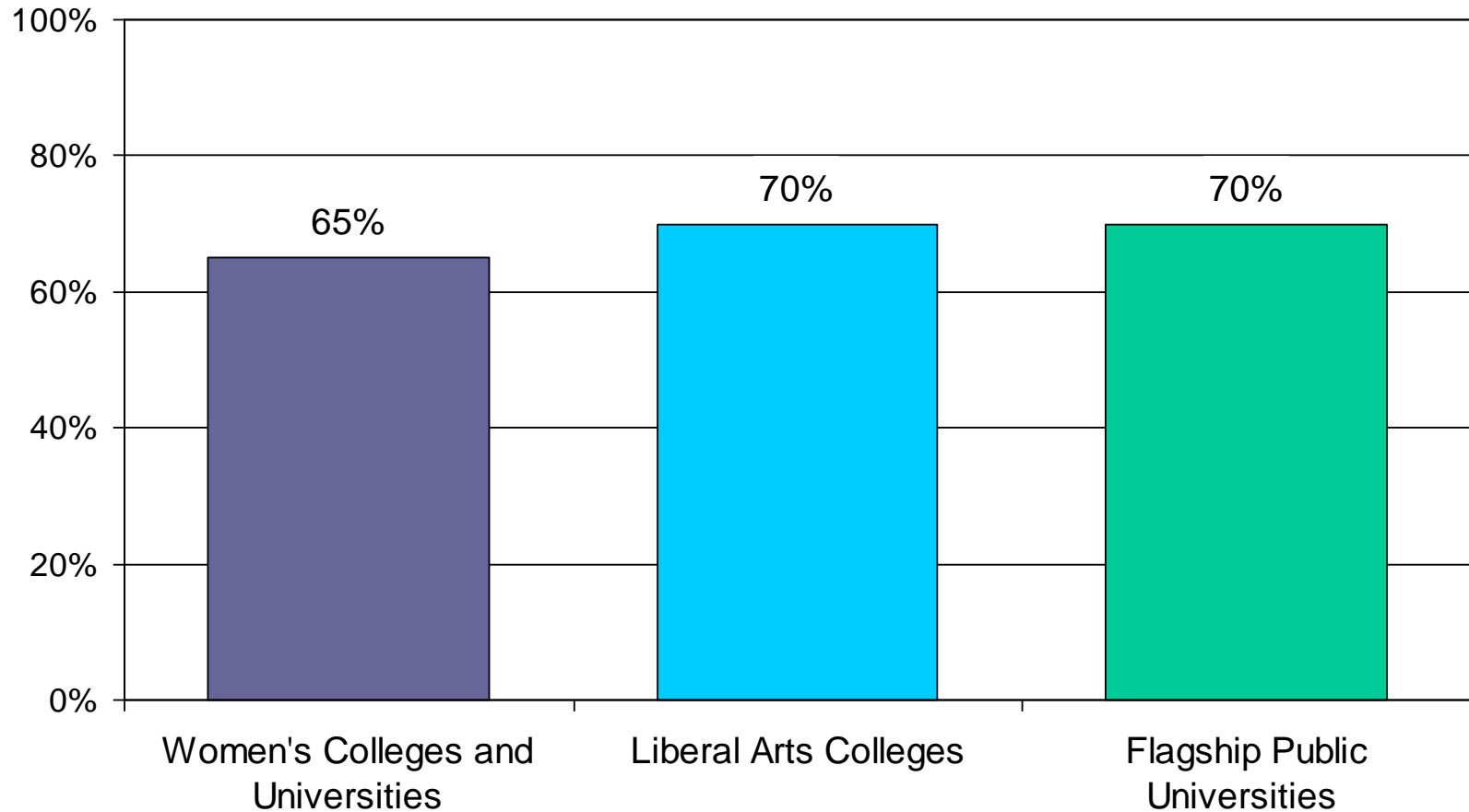
Women's Colleges Alumnae Are More Likely than Liberal Arts Colleges Alumnae to Believe it Is Extremely Important to Be Well-Off Financially



The Women's Colleges group is significantly higher than Liberal Arts Colleges group, and similar to the Public University Graduates group

Q.19 How important is (in your current life and career)...? (rating a 5 on a five-point scale, where 1= not at all important and 5 = extremely important)

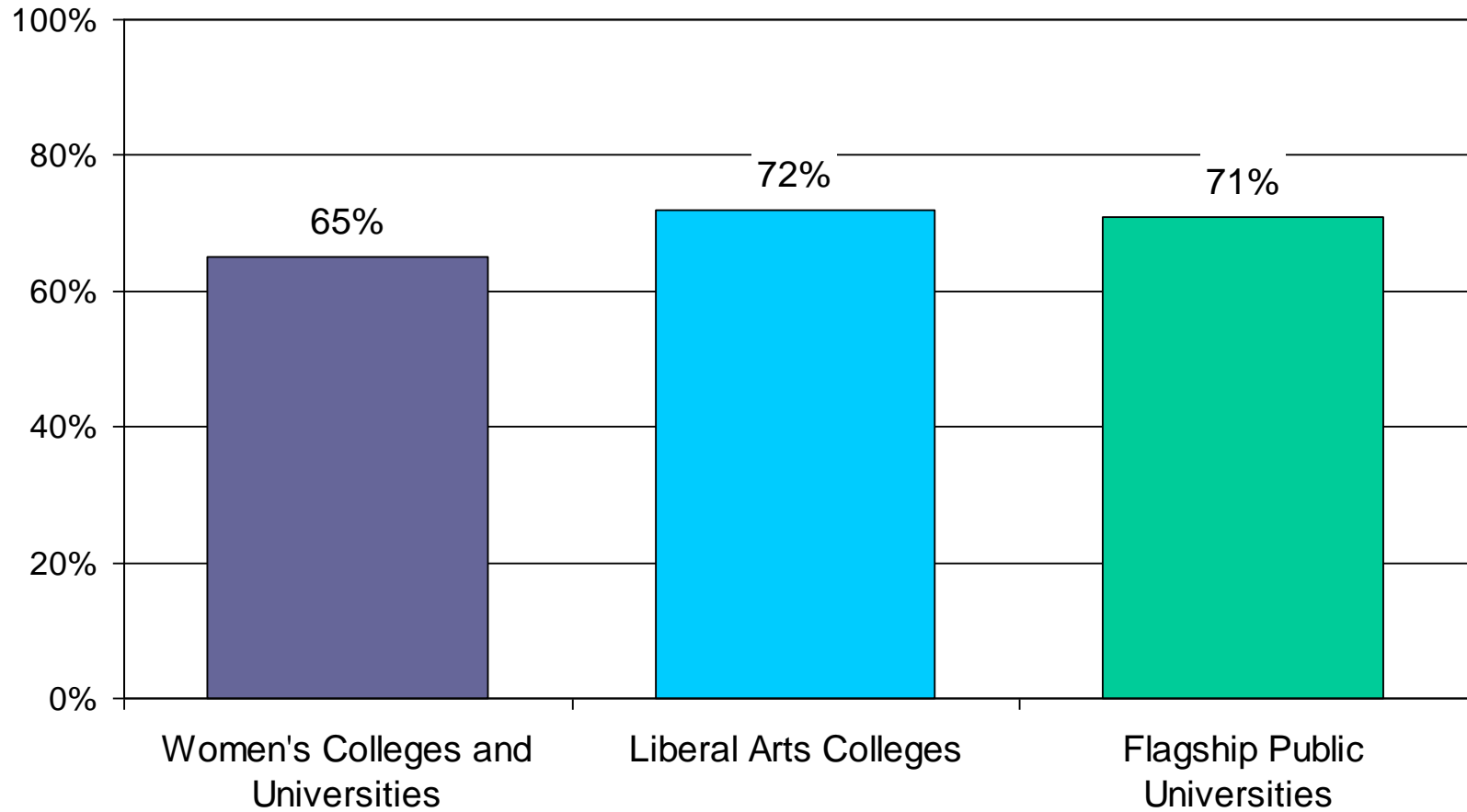
Women's Colleges Alumnae Are as Likely as Other Alumnae to Believe it Is Extremely Important to Raise a Family



There are no significant differences

Q.19 How important is (in your current life and career)...? (rating a 5 on a five-point scale, where 1= not at all important and 5 = extremely important)

Women's Colleges Alumnae Are as Likely as Other Alumnae to Be Married or Partnered

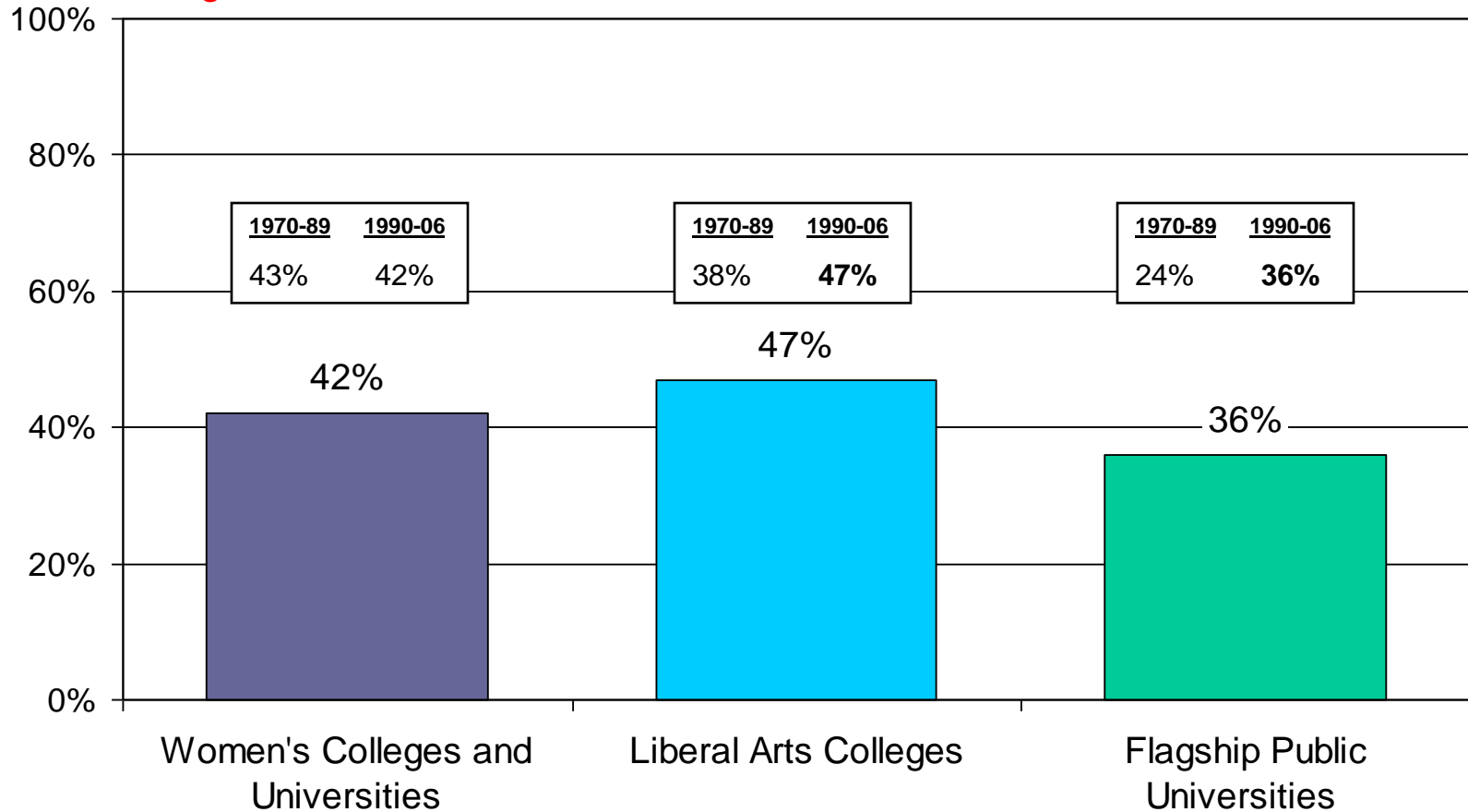


There are no significant differences

Q.B And are...(married or partnered)?

Women's Colleges Alumnae Are as Likely as Other Alumnae to Say They Benefited Very Much from a Good Balance Between Academics, Social and Personal Development

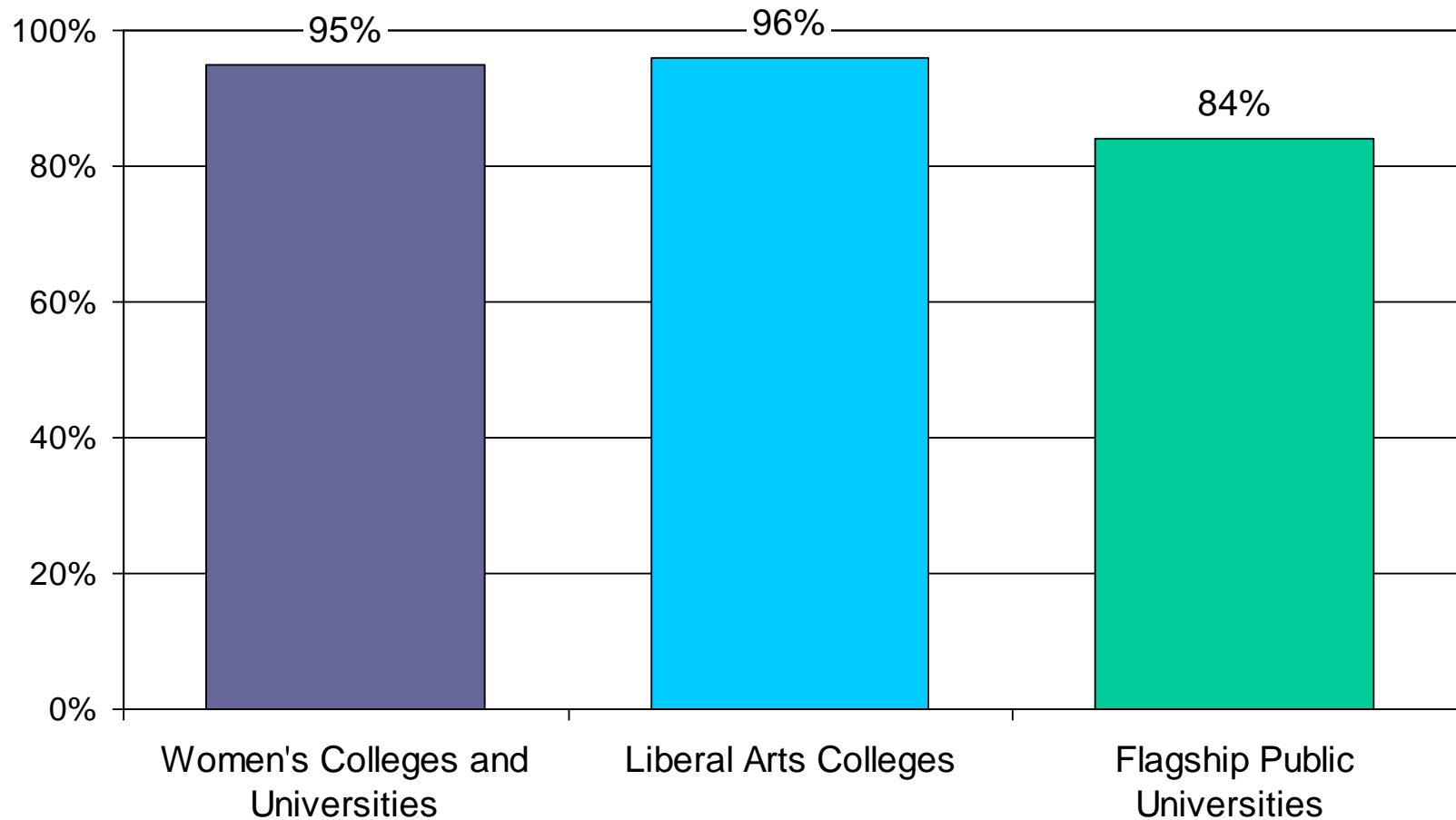
Other groups have caught up/surpassed the Women's colleges



No group is significantly different from the Women's Colleges group

Q.1 Please tell me how much you personally benefited from...? (rating a 5 on a five-point scale, where 1=did not benefit at all and 5=benefited very much)

Women's Colleges Alumnae Were More Likely than Flagship Public Universities Graduates to Be Involved in an Extracurricular Activity

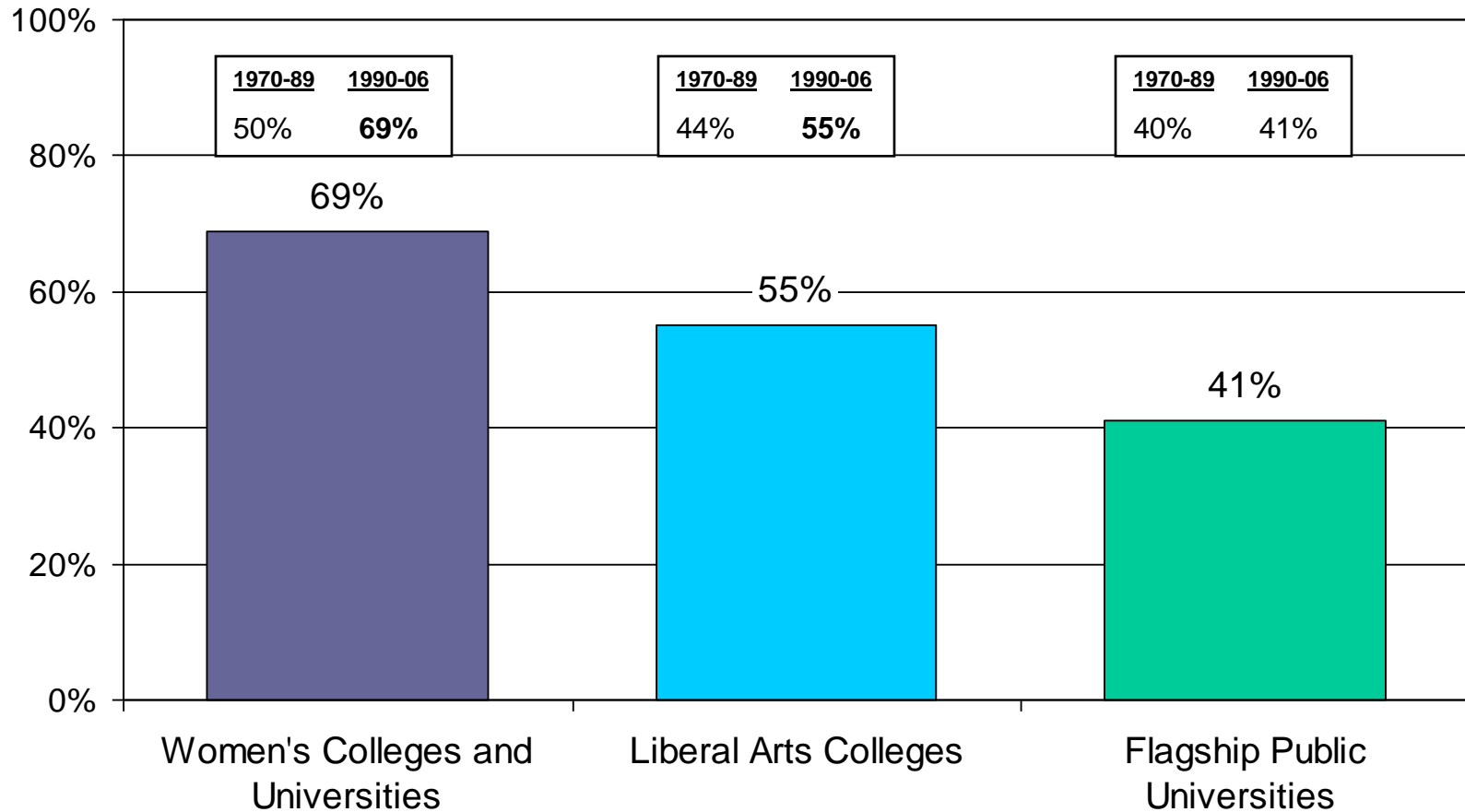


The Women's Colleges group is significantly higher than the Flagship Public Universities group, and similar to the Liberal Arts Colleges group

Q.6A Were you involved in any of the following...? (Total involved)

Significant
increase for
Women's
Colleges (and
L.A. colleges)

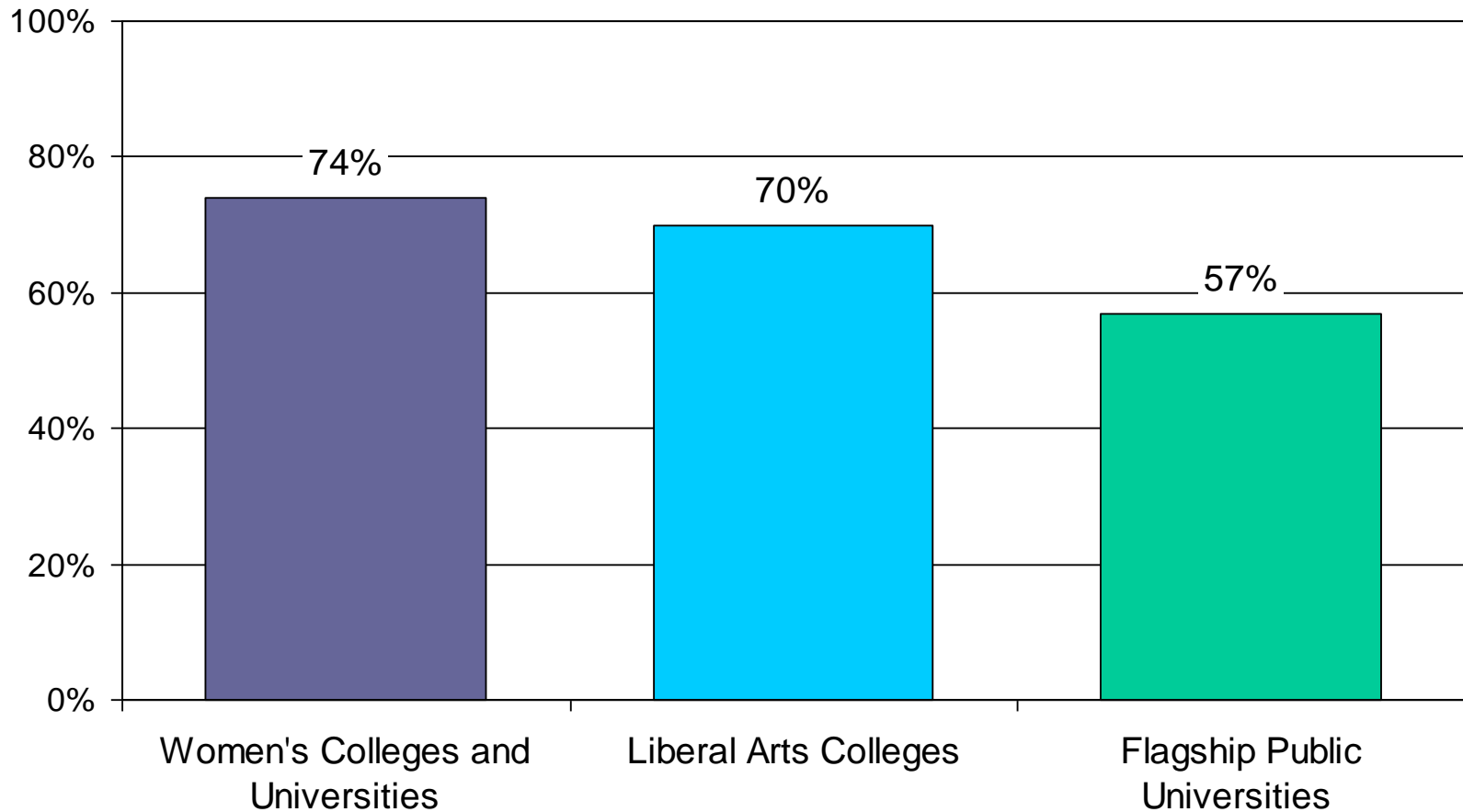
Women's Colleges Alumnae Were More Likely than All Other Graduates to Be Involved in Academic Clubs and Activities



The Women's Colleges group is significantly higher than all other groups

Q.6A Were you involved in any of the following...?

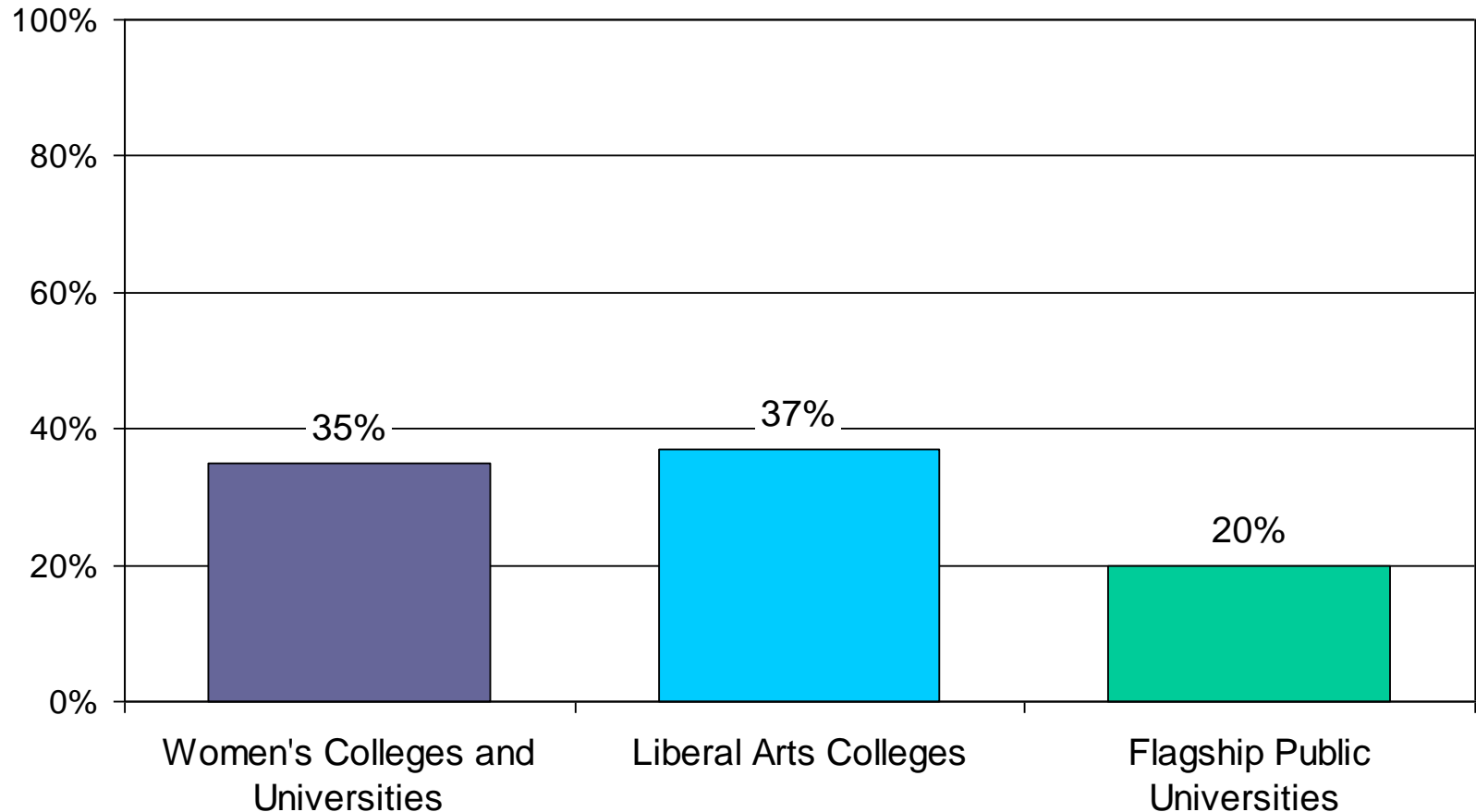
Women's Colleges Alumnae Were More Likely than Flagship Public Universities Graduates to Be Involved in Volunteer or Community Service Activities



The Women's Colleges group is significantly higher than the Flagship Public Universities group, and similar to the Liberal Arts Colleges group

Q.6A Were you involved in any of the following...?

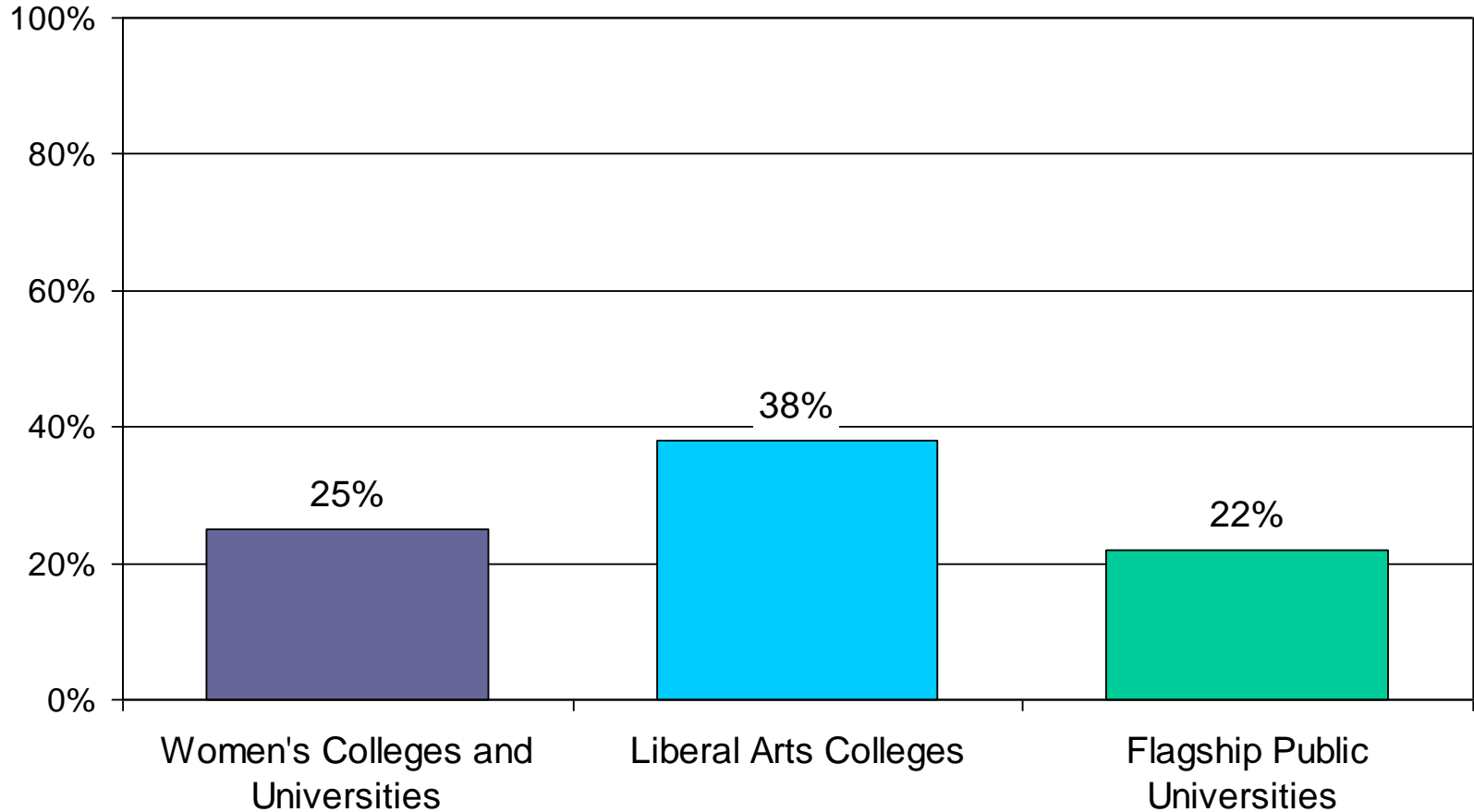
Women's Colleges Alumnae Were More Likely than Flagship Public Universities Graduates to Be Involved in Music or Theater Performances



The Women's Colleges group is significantly higher than the Flagship Public Universities group, and similar to the Liberal Arts Colleges group

Q.6A Were you involved in any of the following...?

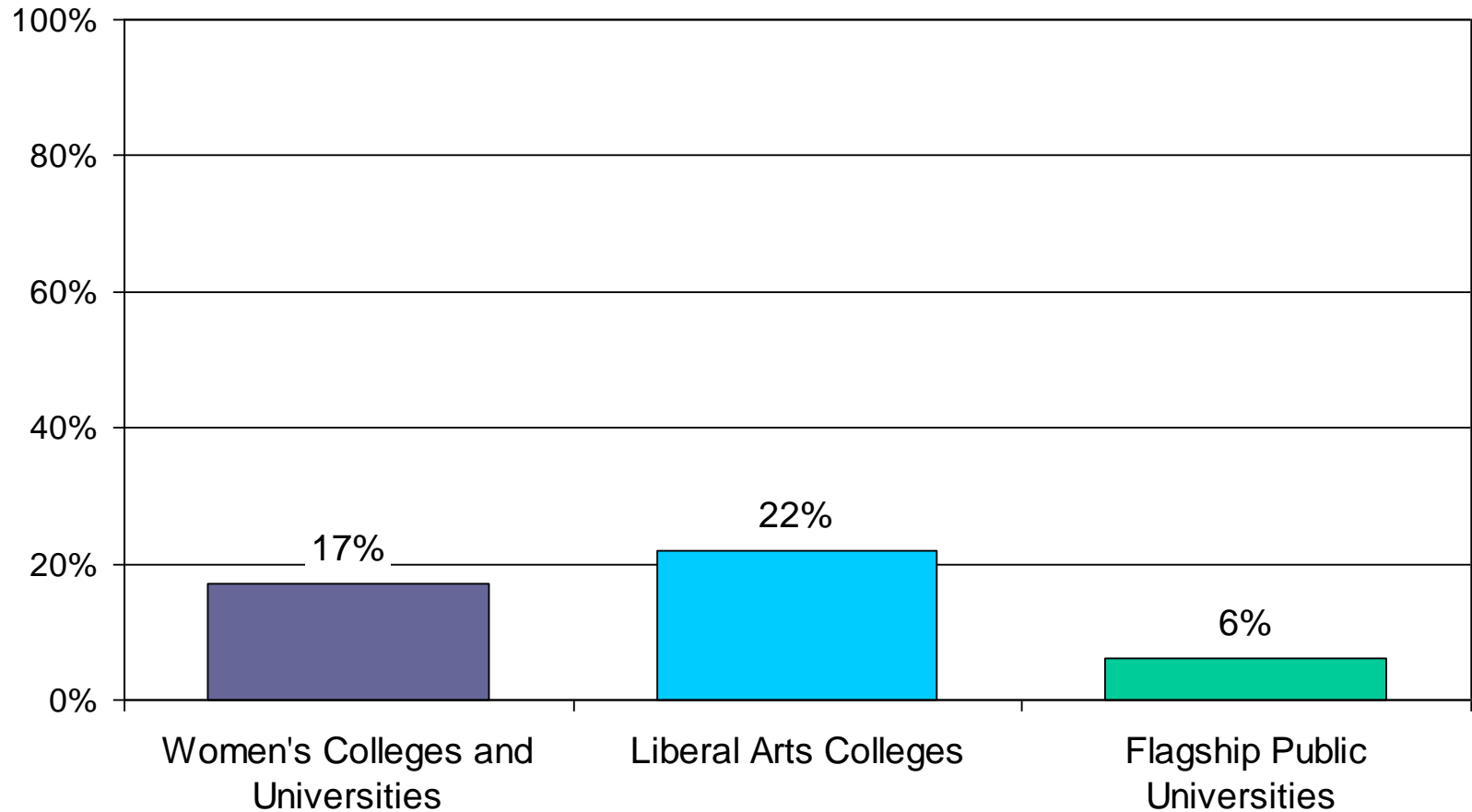
Women's Colleges Alumnae Were Equally Likely as Public Universities Graduates to Be Involved in Intramural Athletics, and Less Likely than Liberal Arts College Graduates



The Women's Colleges group is similar to the Flagship Public Universities group; the Liberal Arts Colleges group is significantly higher

Q.6A Were you involved in any of the following...?

Women's Colleges Alumnae Were More Likely than Flagship Public Universities Graduates to Be Involved in Varsity Athletics



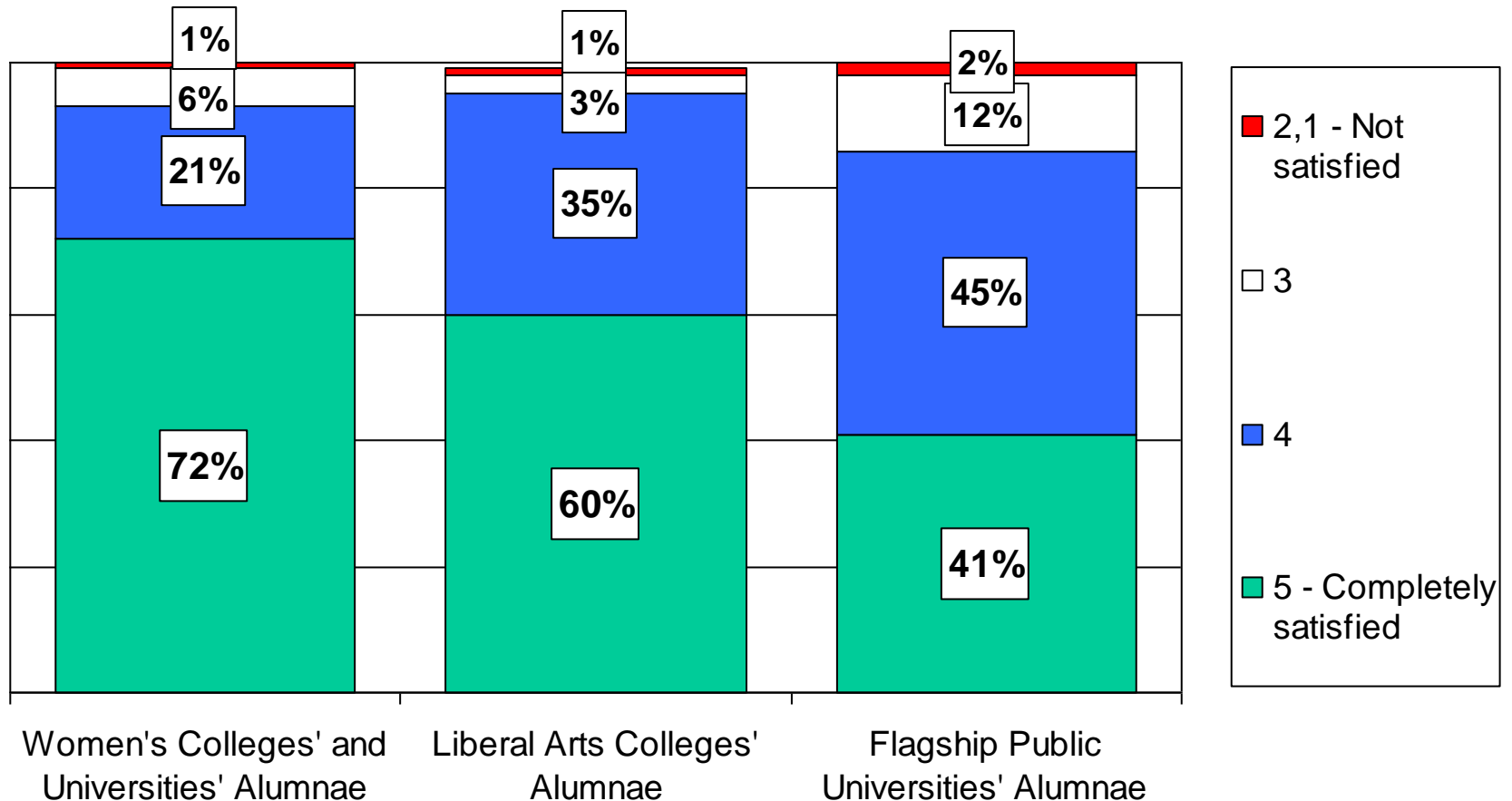
The Women's Colleges group is significantly higher than the Flagship Public Universities group, and similar to the Liberal Arts Colleges group

Q.6A Were you involved in any of the following...?

A women's college education...

Proves its value over a lifetime. Graduating from a women's college, versus a co-ed public college or university, significantly increases a woman's chances of earning a graduate degree. Women's college graduates succeed in entering a range of career fields and graduate programs, regardless of their undergraduate major. The vast majority (90%) of women's college alumnae believe the financial investment in their education was worthwhile and that the intellectual and personal capacities they gained are still extremely important to them.

Women's Colleges Alumnae Are More Likely than Other Graduates to Be "Completely Satisfied" with the Overall Quality of Their Education

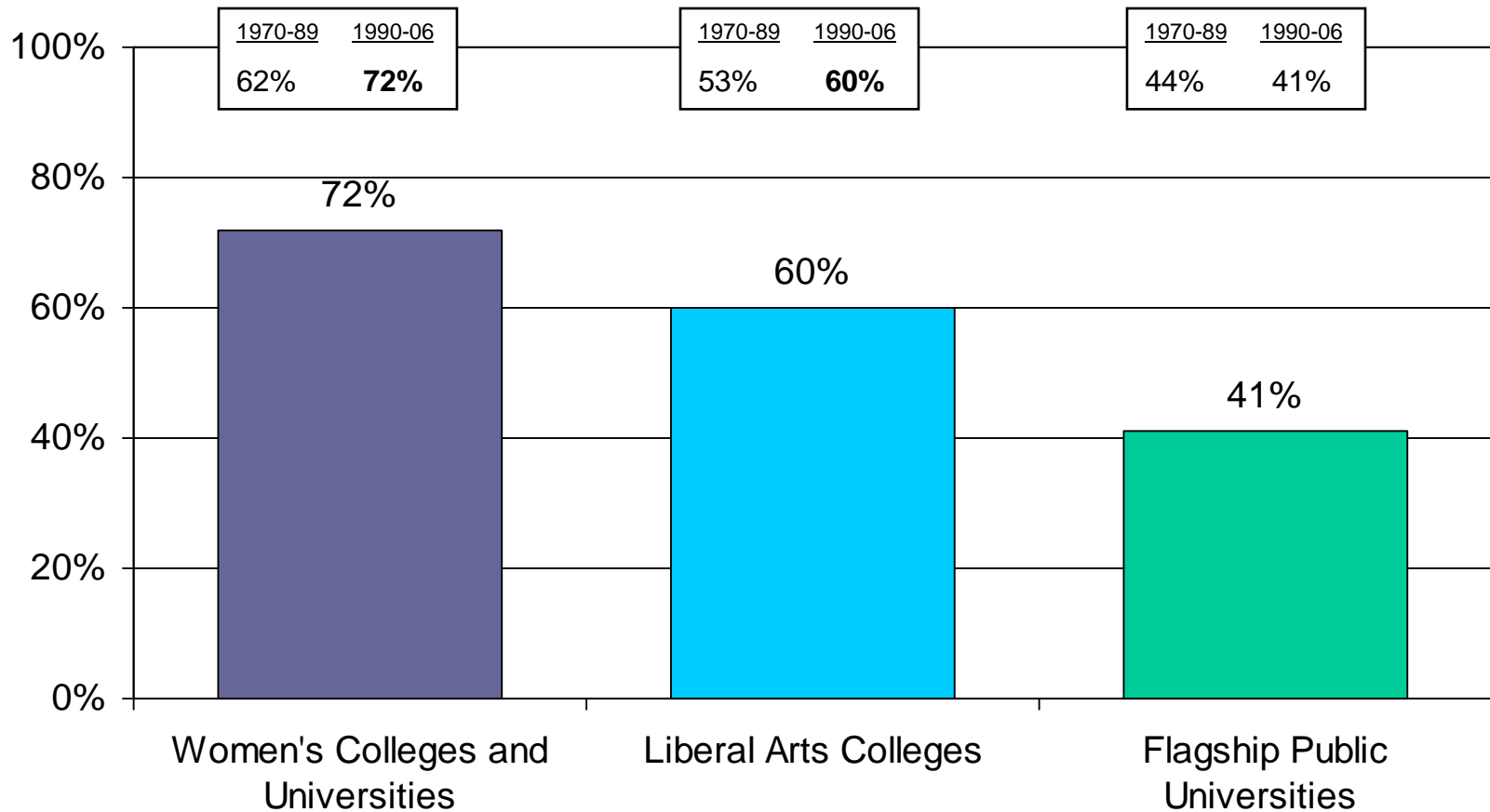


The Women's Colleges group is significantly higher than all other groups on "completely satisfied"

Q. 7 How satisfied are you with the overall quality of the education you received from your college? (rating on a five-point scale, where 1=not at all satisfied and 5=completely satisfied).

Recent Women's Colleges Alumnae Are More Likely than Older Alumnae to Be "Completely Satisfied" with the Overall Quality of Their Education

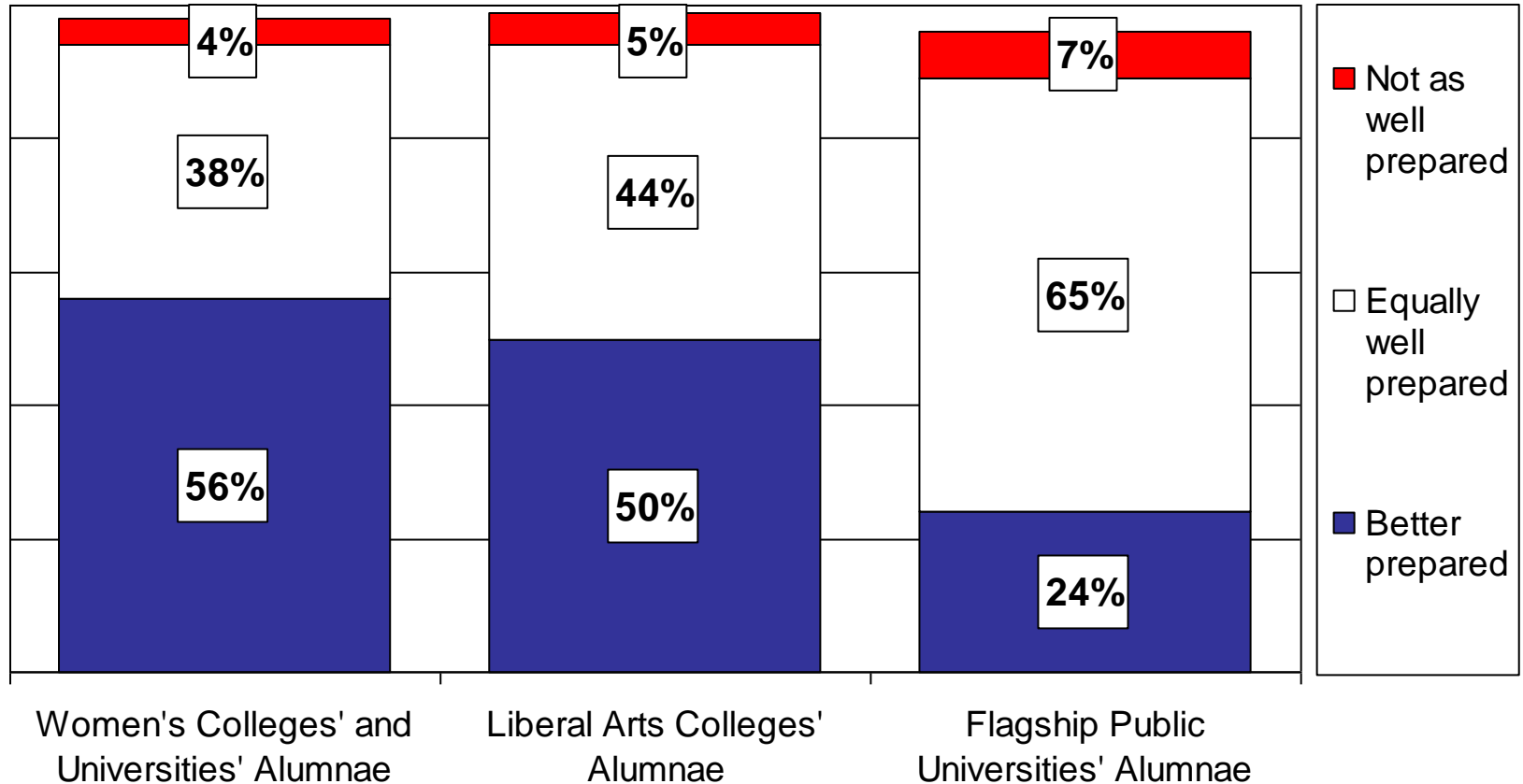
Significant increase for Women's Colleges (and L.A. colleges)



The Women's Colleges group is significantly higher than all other groups on "completely satisfied"

Q. 7 How satisfied are you with the overall quality of the education you received from your college? (rating on a five-point scale, where 1=not at all satisfied and 5=completely satisfied).

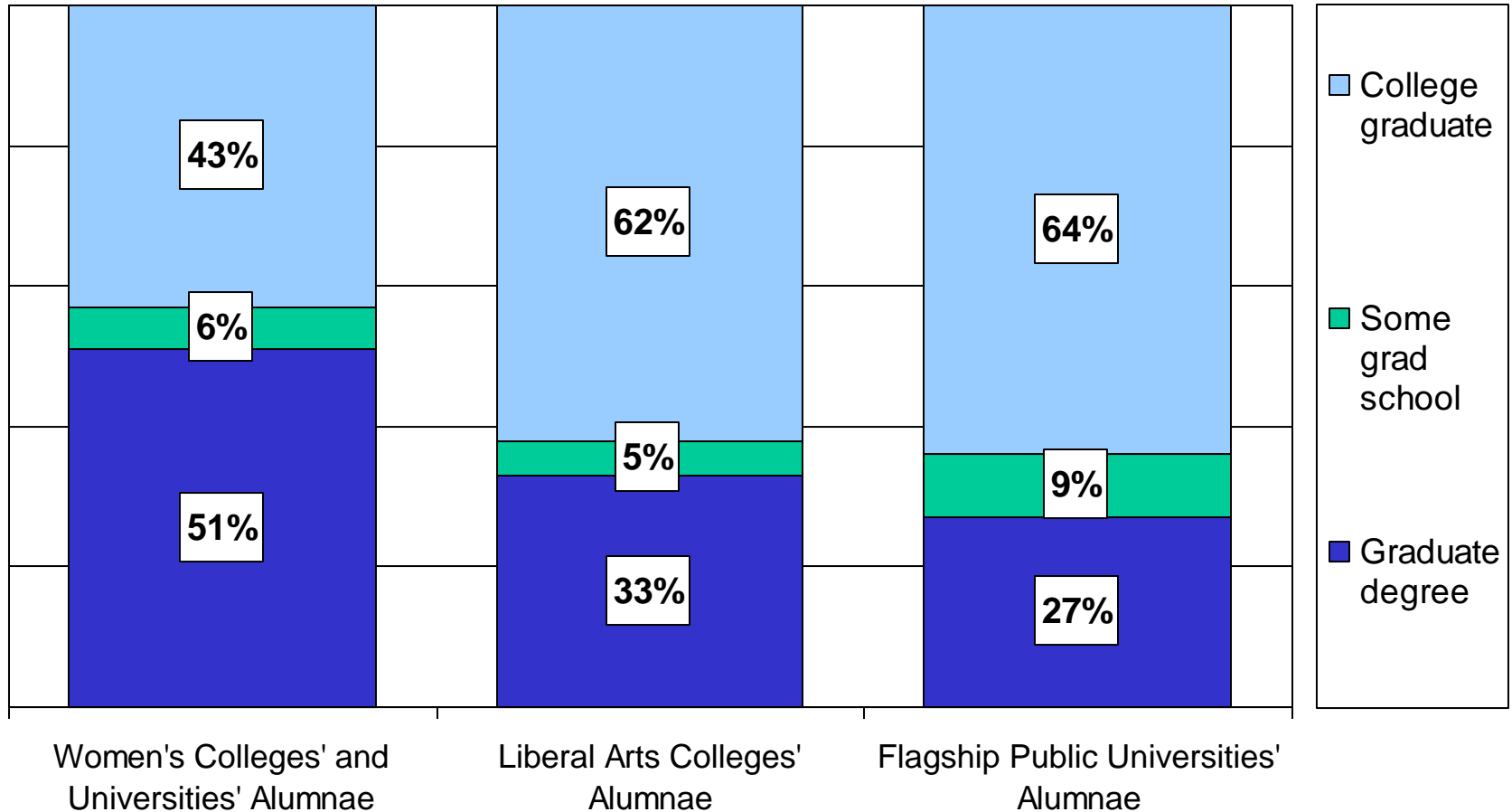
Women's Colleges Alumnae Are More Likely than Flagship Public Universities Graduates to Say They Felt Better Prepared for Life After College



The Women's Colleges group is significantly higher than the Flagship Public Universities group for "better prepared," and similar to the Liberal Arts Colleges group

Q.9 How prepared were you for life after college, such as for graduate school or your first job, compared to students from other colleges?

Women's Colleges Alumnae Were More Likely than Any Other Group to Complete a Graduate Degree

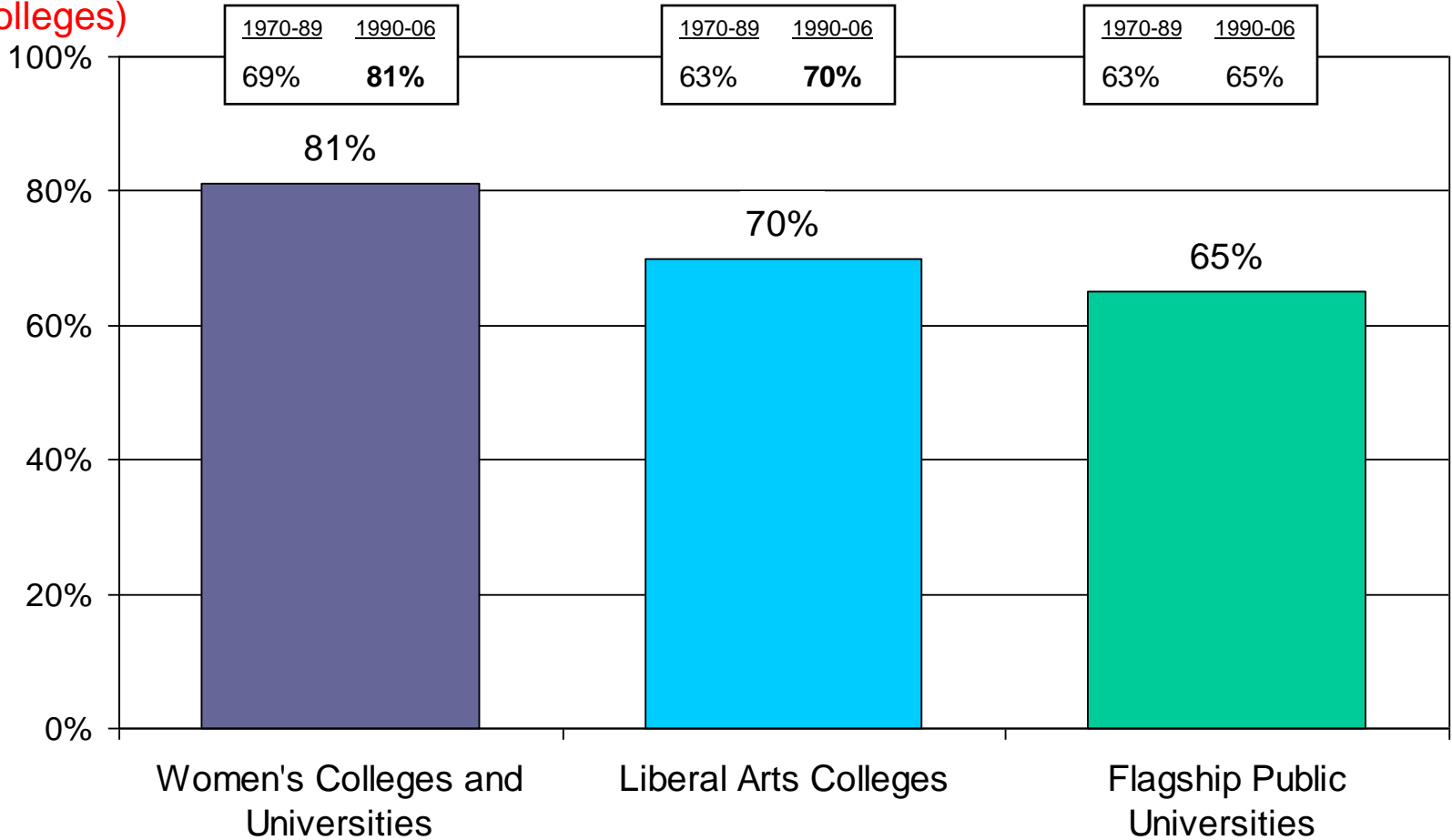


The Women's Colleges alumnae are significantly more likely to have a "graduate degree" than all other alumnae

Q.A What level of education have you completed?

Women's Colleges Receive Higher Effectiveness Ratings than All Other Colleges and Universities for Helping Students to Be Prepared for Their First Job

Significant increase for Women's Colleges (and L.A. colleges)

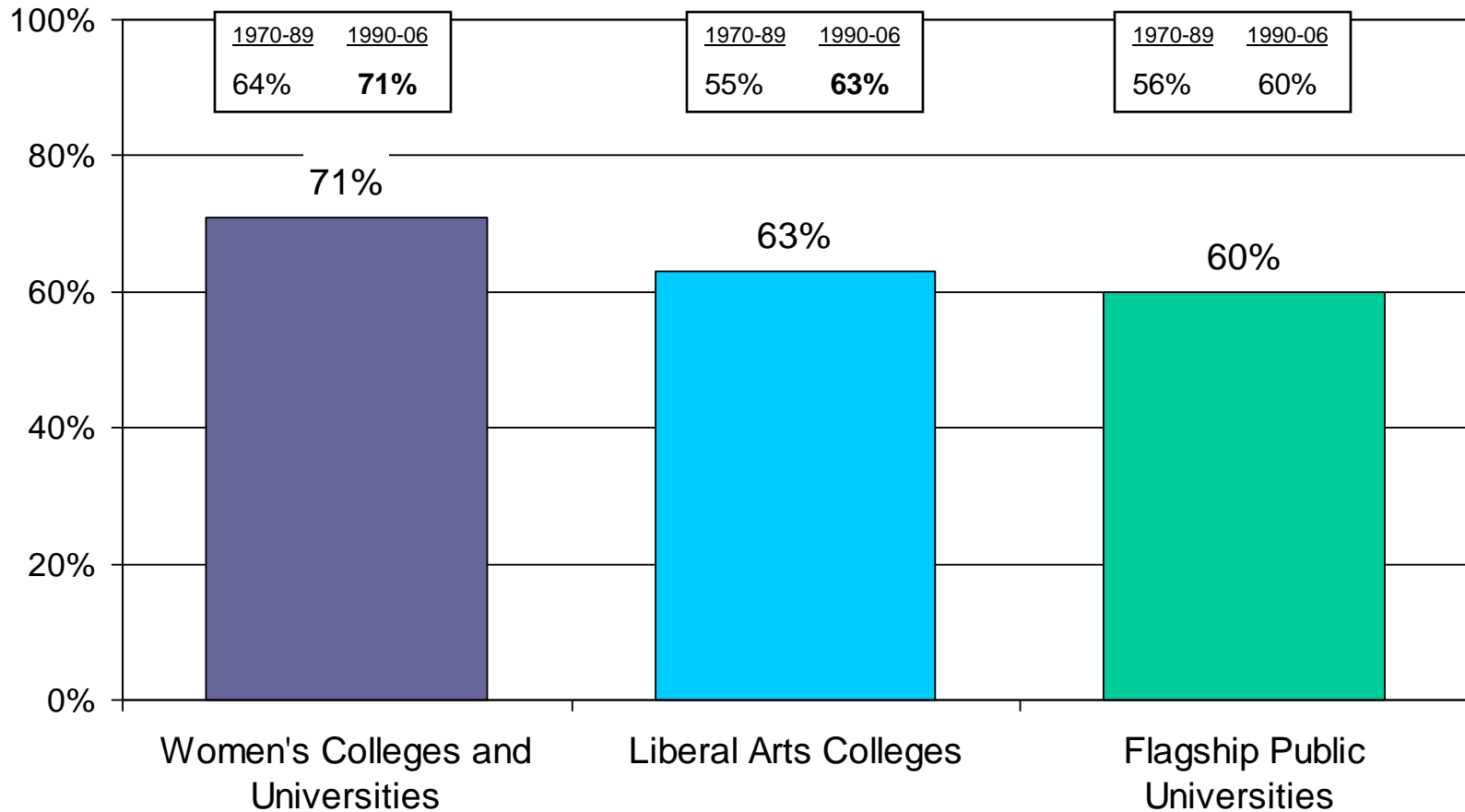


The Women's Colleges group is significantly higher than all other groups

Q.10 How effective was your college in helping you with...? (rating a 4 or 5 on a five-point scale, where 1= not at all effective and 5 = extremely effective)

Significant
increase for
Women's
Colleges (and
L.A. colleges)

Women's Colleges Receive Higher Effectiveness Ratings than Flagship Public Universities for Helping Students to Be Prepared for Career Change or Advancement

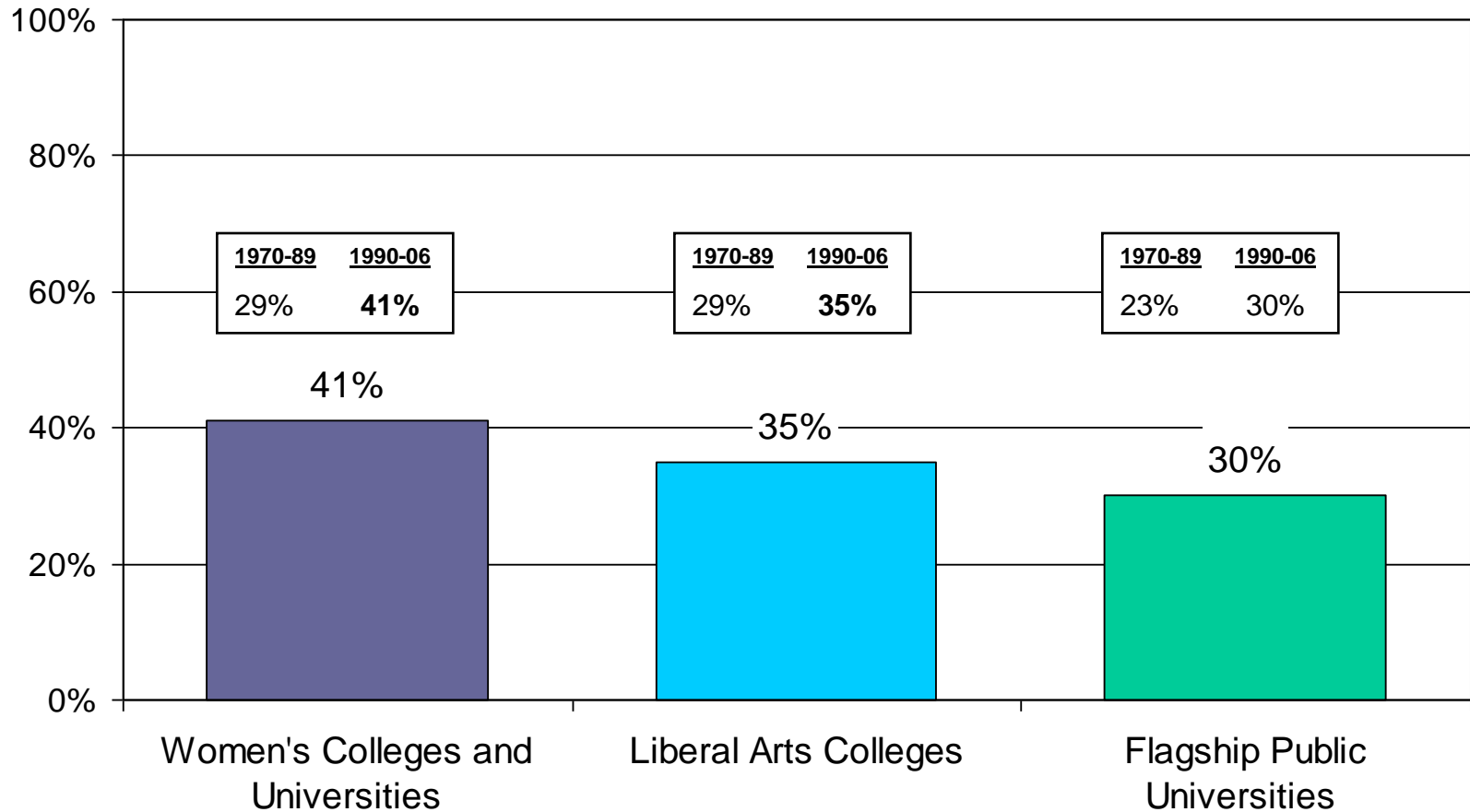


The Women's Colleges group is significantly higher than the Flagship Public Universities group

Q.10 How effective was your college in helping you with...? (rating a 4 or 5 on a five-point scale, where 1= not at all effective and 5 = extremely effective)

Significant
increase for
Women's
Colleges (and
L.A. colleges)

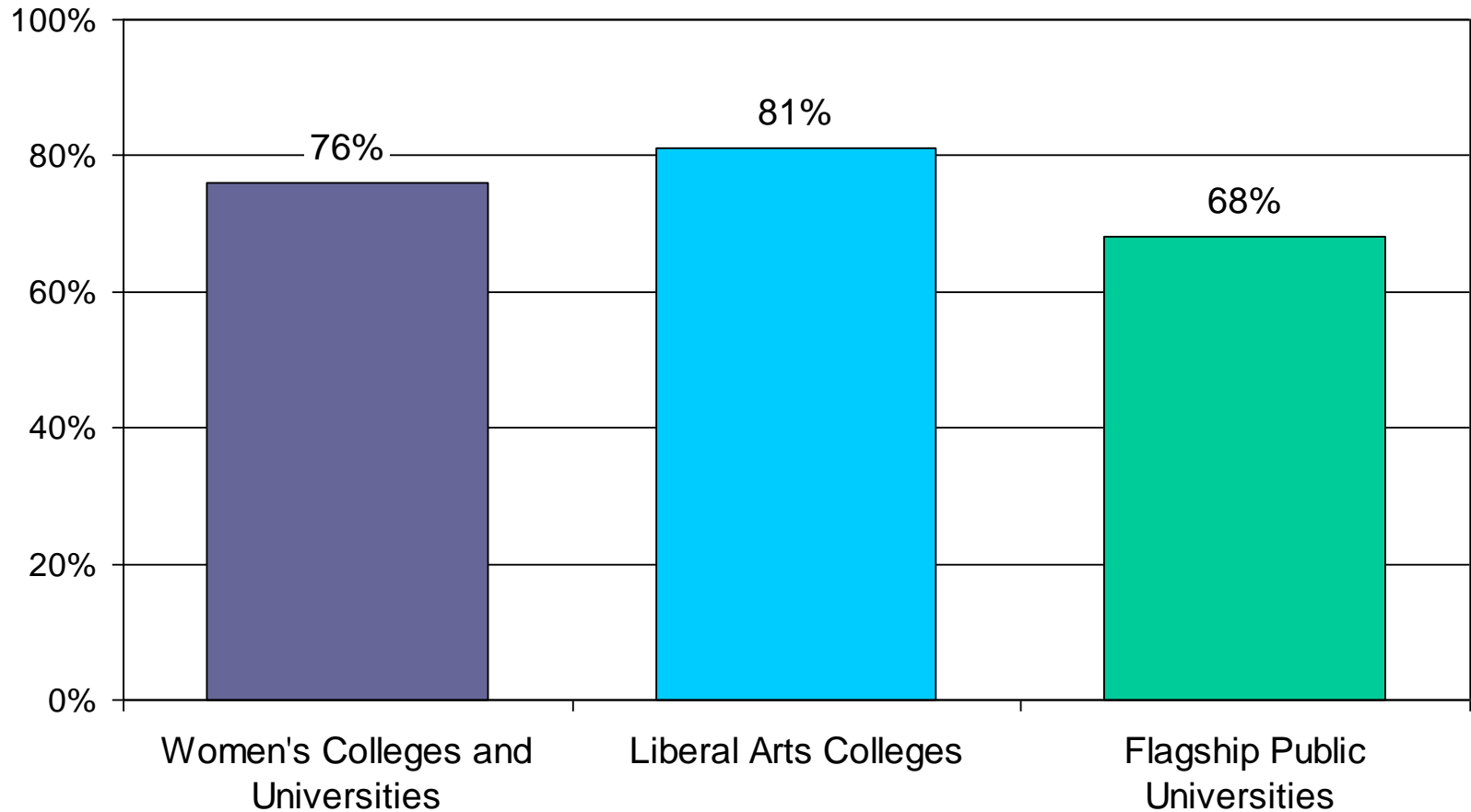
A College Network (Alumnae, Faculty, Friends) Played a Greater Role for Women's Colleges Alumnae than Public Universities Alumnae in Being Accepted to Graduate School or Finding a First Job



The Women's Colleges group is significantly higher than the Flagship Public Universities group, and similar to the Liberal Arts Colleges group

Q.11 Did any of the following factors play an important role in being accepted to graduate school or finding your first real job?

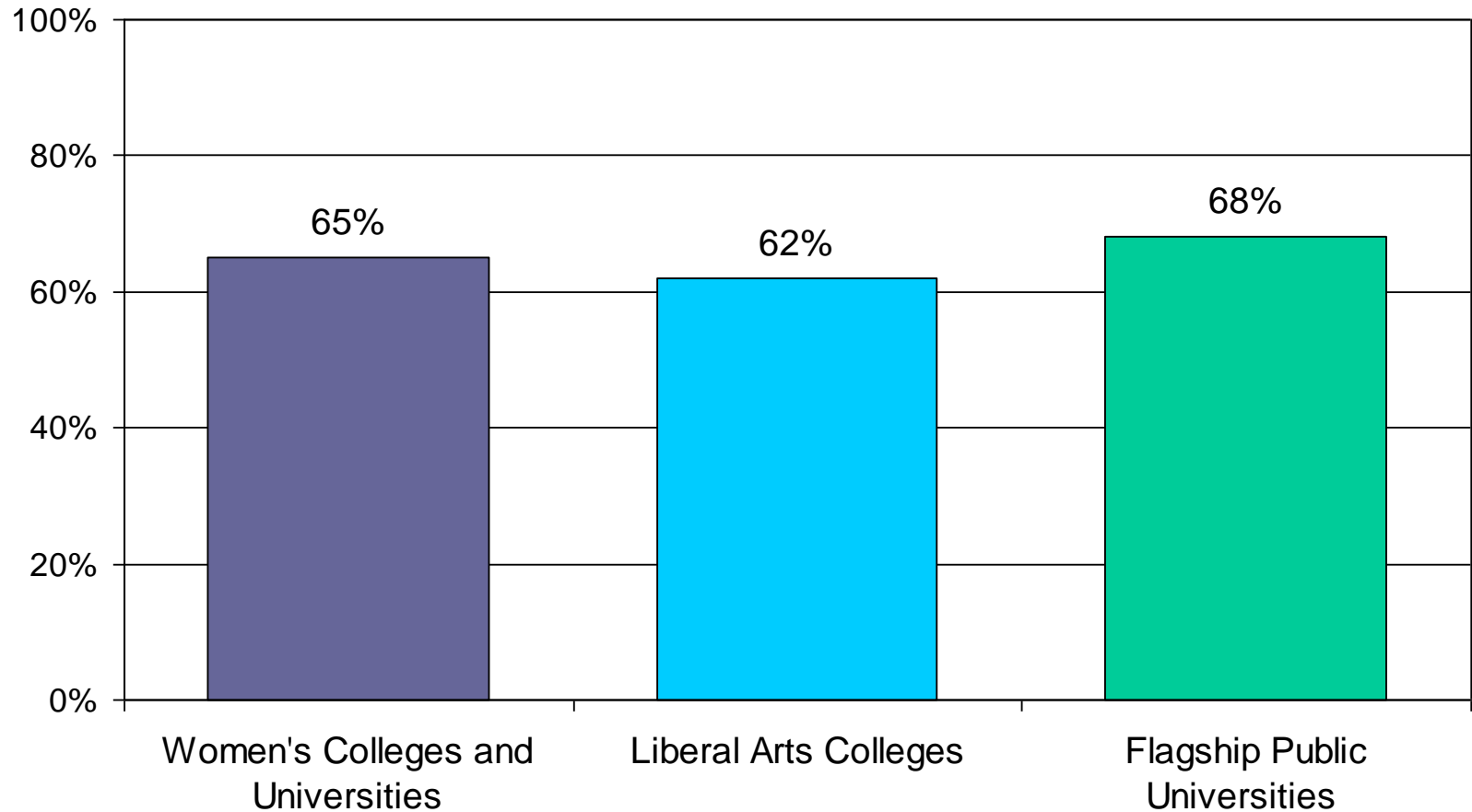
The Overall Quality and Breadth of Academic Preparation Played a Similar Role for Alumnae in Being Accepted to Graduate School or Finding a First Job



The Women's Colleges group is not significantly different from any other group

Q.11 Did any of the following factors play an important role in being accepted to graduate school or finding your first real job?

For All Groups, the Selected Major Was Similarly Likely to Play an Important Role in Being Accepted to Graduate School or Finding a First Job

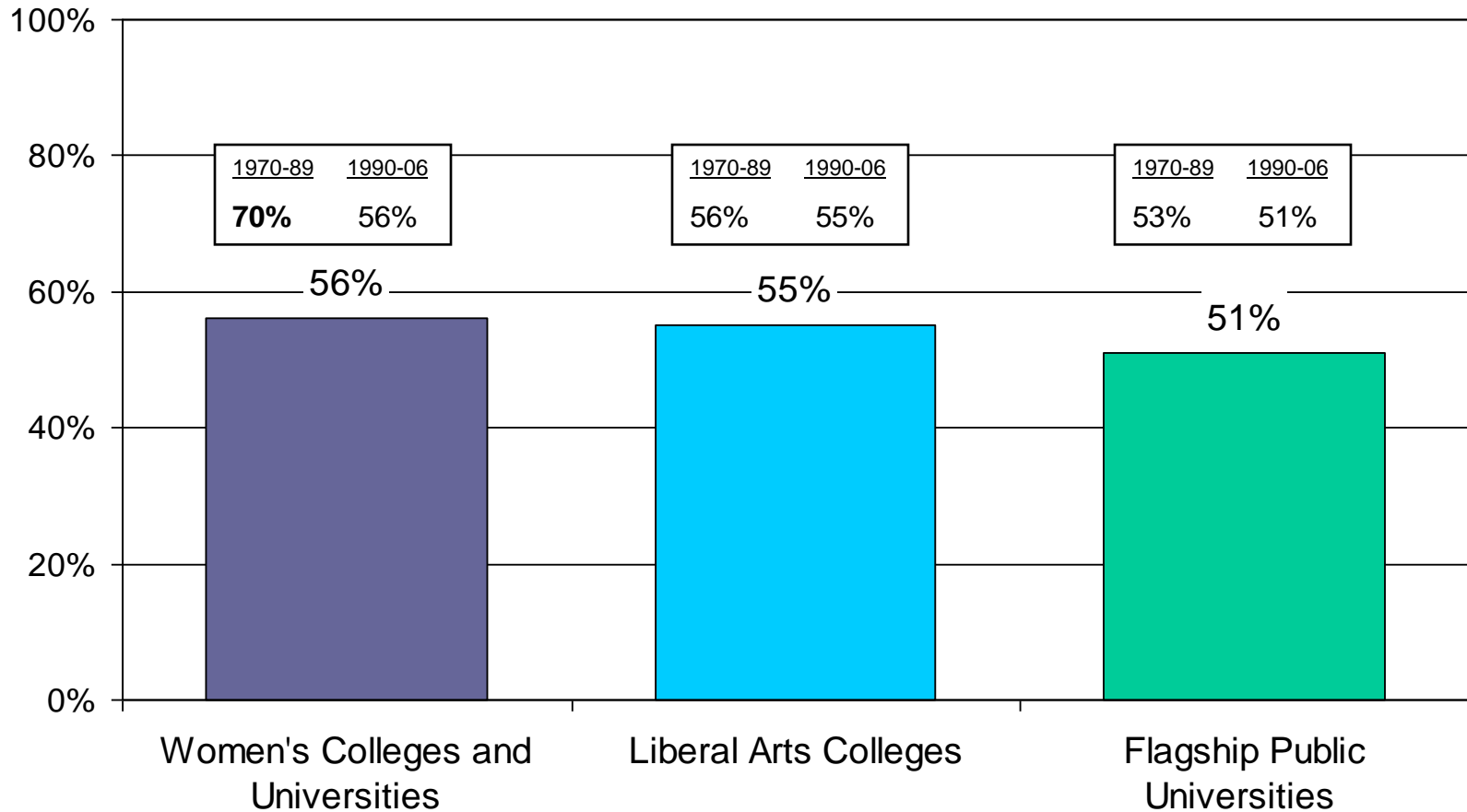


There are no significant differences

Q.11 Did any of the following factors play an important role in being accepted to graduate school or finding your first real job?

The Reputation of the College Was Similarly Important for All Graduates in Being Accepted to Graduate School or Finding a First Job

Significantly less important for Women's Colleges

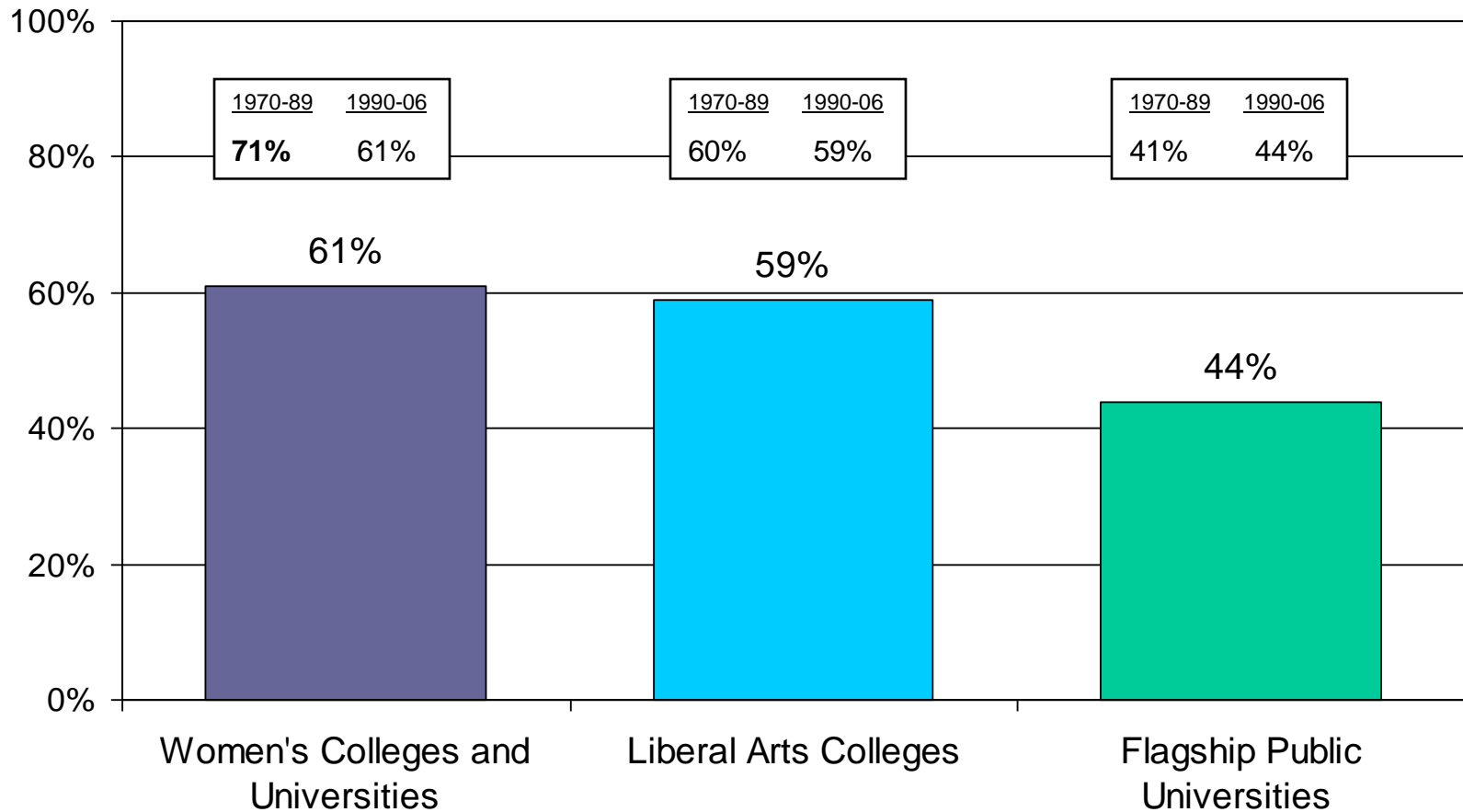


There are no significant differences between groups

Q.11 Did any of the following factors play an important role in being accepted to graduate school or finding your first real job?

Women's Colleges Alumnae Are More Likely than the Flagship Public Universities Alumnae to Say They Benefited Very Much from a Strong Overall Academic Reputation

Significant drop
for Women's
Colleges

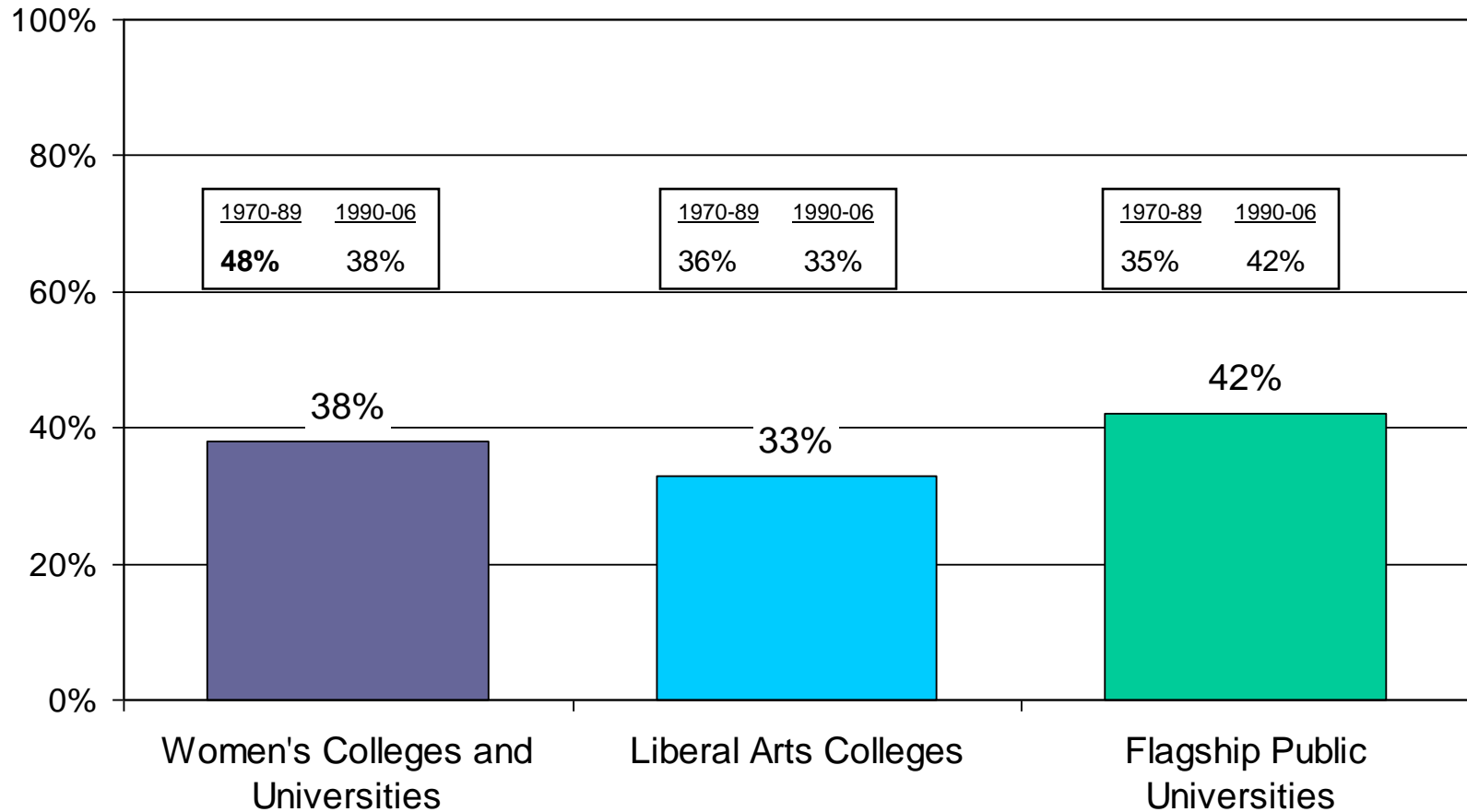


The Women's Colleges group is similar to the Liberal Arts colleges, and significantly higher than the Flagship Public group

Q.1 Please tell me how much you personally benefited from...? (rating a 5 on a five-point scale, where 1=did not benefit at all and 5=benefited very much)

Women's Colleges Alumnae Are as Likely as Other Graduates to Say They Benefited Very Much from a Strong Reputation in Their Academic Major

Significant
drop for
Women's
Colleges

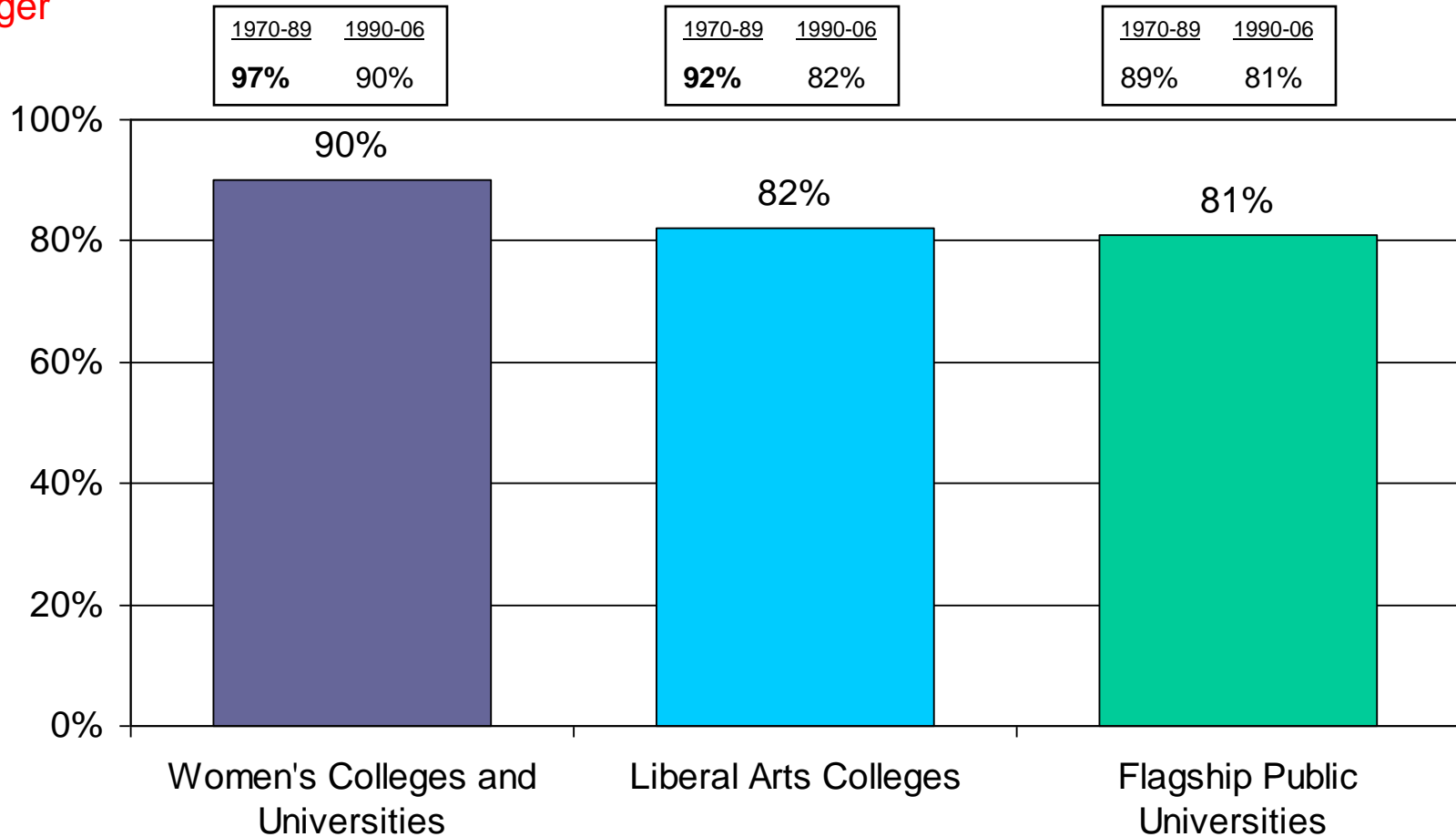


The Women's Colleges group is not significantly different from any other group

Q.1 Please tell me how much you personally benefited from...? (rating a 5 on a five-point scale, where 1=did not benefit at all and 5=benefited very much)

Women's Colleges Alumnae Are More Likely than Other Alumnae to Believe the Financial Investment They Made in College Was Worth It

Drop for all groups—
they're younger



The Women's Colleges group is significantly higher than all other groups

Q.12 How much do you agree or disagree with the following statement...? (rating a 4 or 5 on a five-point scale, where 1=strongly disagree and 5=strongly agree)

A women's college education...

Develops critical skills for life and career. As studies repeatedly underscore the need for critical thinking, global knowledge, intercultural competence, and real-world abilities, women's colleges surpass co-ed public colleges and universities in helping students learn to think analytically, bring social and historical perspective to issues, work as part of a team, write and speak effectively, make sound decisions, gain entry to a career, prepare for career change or advancement, and be politically and socially aware.

Employers' expectations of college graduates:

Skills and Knowledge

Teamwork

Intercultural skills

Quantitative reasoning

Self-knowledge

Critical thinking

Self-direction

Ethical judgment

Social responsibility

Oral communication

Adaptability

Writing

Global knowledge

(Research conducted on behalf of the Association of American Colleges and Universities by Peter D. Hart Research Associates, 2008

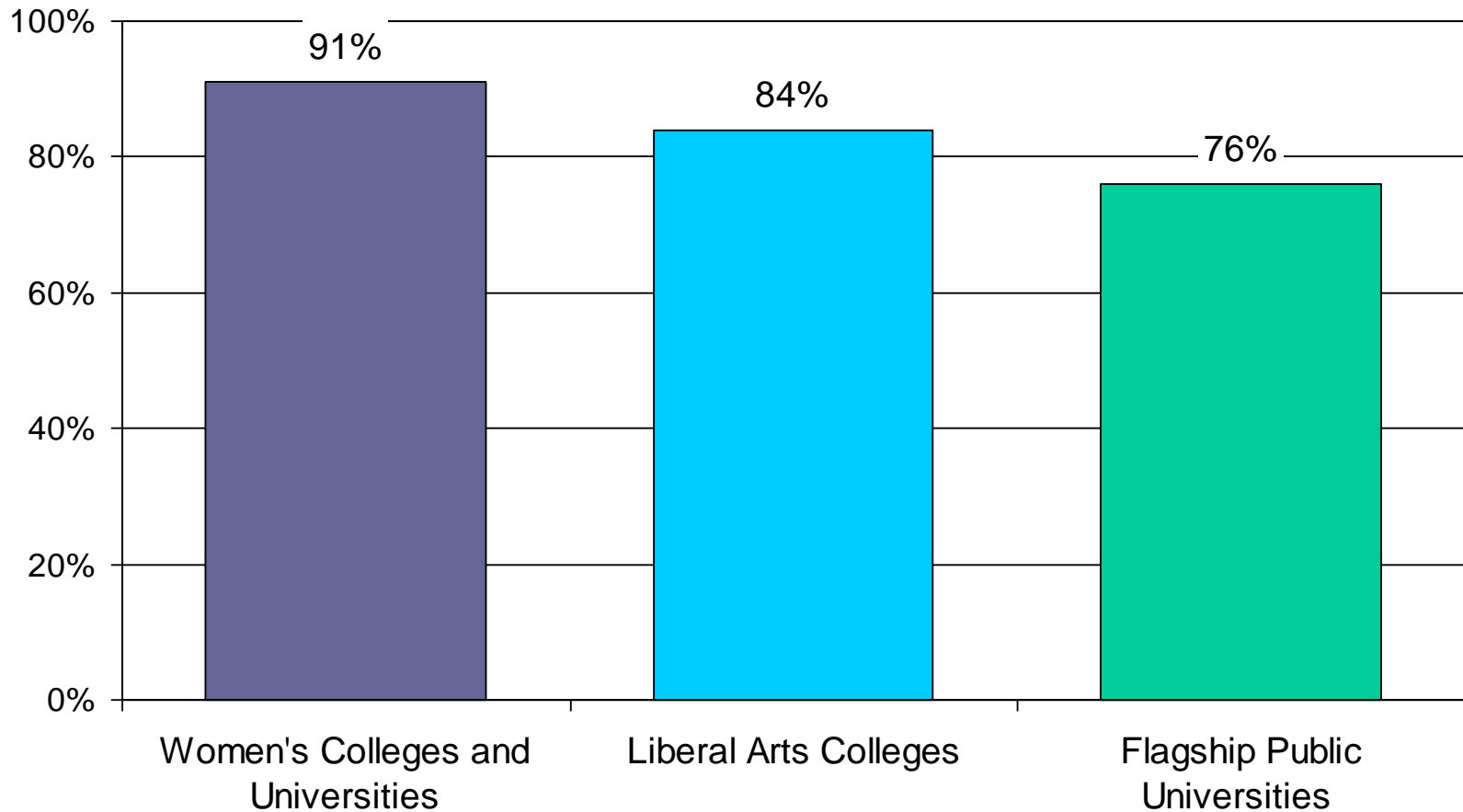
http://www.aacu.org/advocacy/leap/documents/2008_Business_Leader_Poll.pdf)

Employers' expectations of college graduates cont'd:

Skills and Knowledge

Employers also look at how college graduates applied these skills and knowledge to complex, real-world challenges and projects that integrated problem solving, writing, and analytical reasoning skills in such hands-on opportunities as internships, community service projects, study abroad experiences and senior projects.

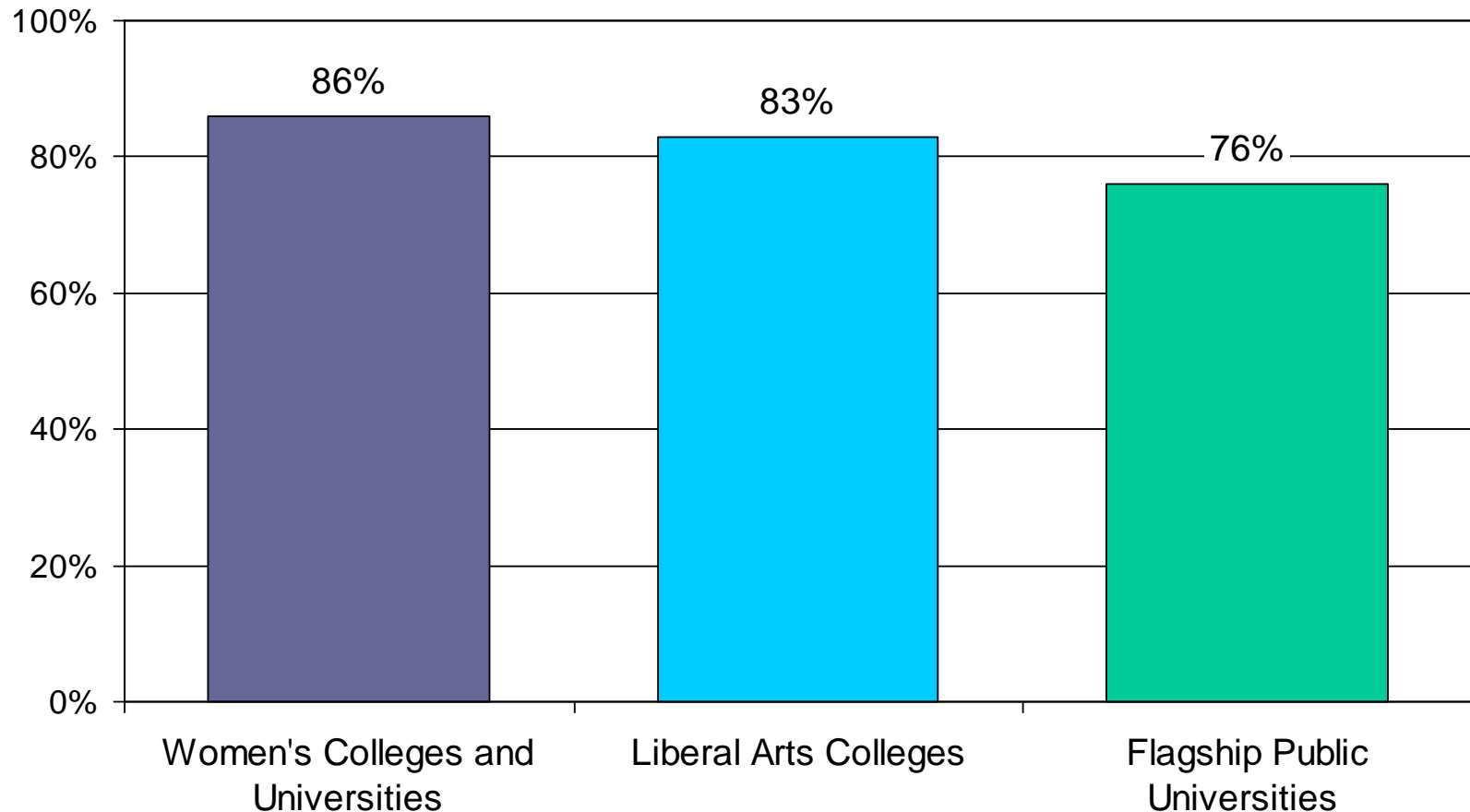
Women's Colleges Receive Higher Effectiveness Ratings than All Other Colleges and Universities for Helping Students to Develop the Ability to Learn New Skills



The Women's Colleges group is significantly higher than all other groups

Q.10 How effective was your college in helping you with...? (rating a 4 or 5 on a five-point scale, where 1= not at all effective and 5 = extremely effective)

Women's Colleges Receive Higher Effectiveness Ratings than All Public Universities for Helping Students Learn to Write Effectively

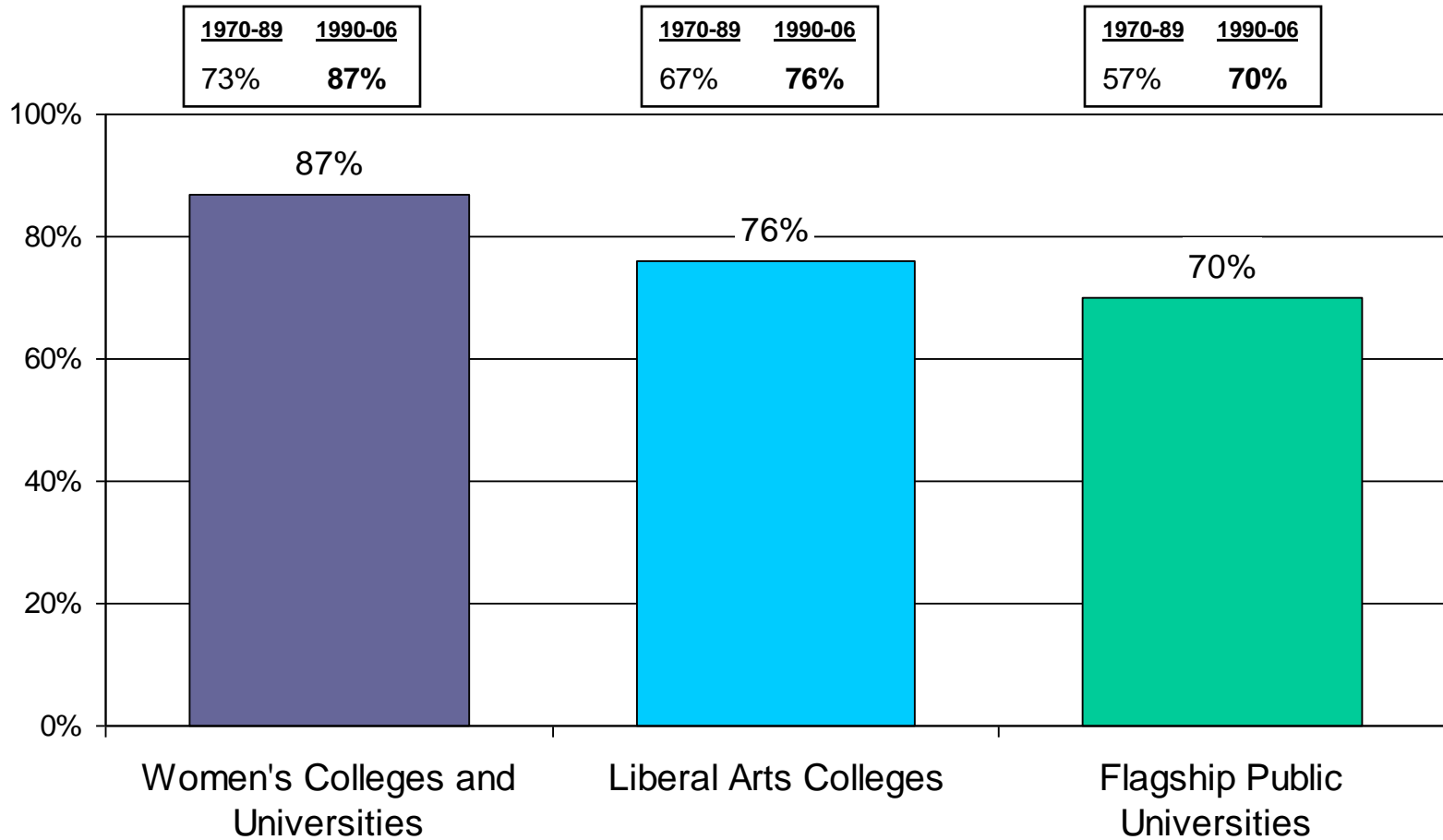


The Women's Colleges group is significantly higher than the Flagship Public Universities group, and similar to the Liberal Arts Colleges group

Q.10 How effective was your college in helping you with...? (rating a 4 or 5 on a five-point scale, where 1= not at all effective and 5 = extremely effective)

Women's Colleges Receive Higher Effectiveness Ratings than All Other Colleges and Universities for Helping Students Learn to Speak Effectively

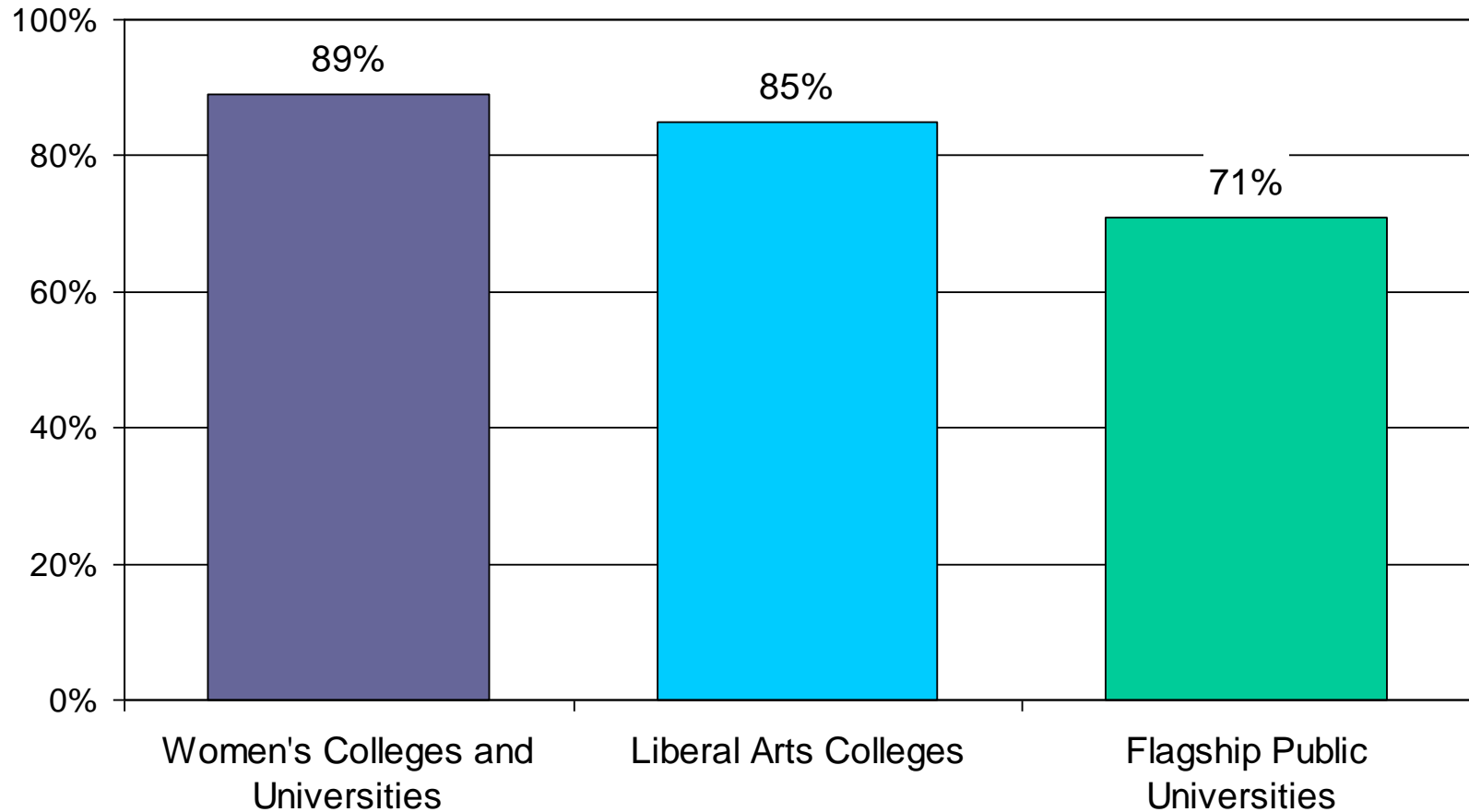
Significant increase for all groups



The Women's Colleges group is significantly higher than all other groups

Q.10 How effective was your college in helping you with...? (rating a 4 or 5 on a five-point scale, where 1= not at all effective and 5 = extremely effective)

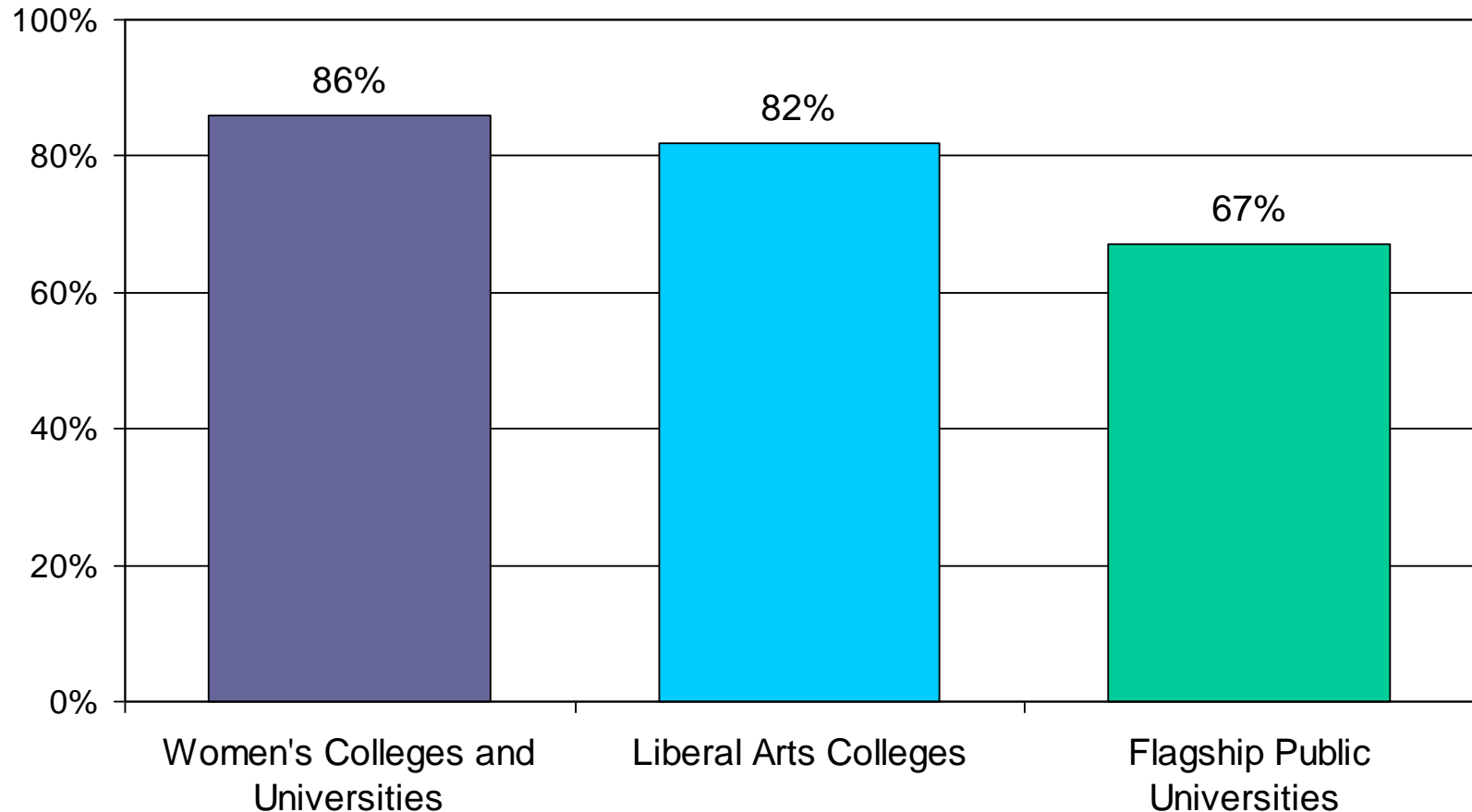
Women's Colleges Receive Higher Effectiveness Ratings than the Flagship Public Universities for Helping Students Learn to Think Analytically



The Women's Colleges group is significantly higher than the Flagship Public Universities group, and similar to the Liberal Arts Colleges group

Q.10 How effective was your college in helping you with...? (rating a 4 or 5 on a five-point scale, where 1= not at all effective and 5 = extremely effective)

Women's Colleges Receive Higher Effectiveness Ratings than the Flagship Public Universities for Helping Students Learn to Think Creatively

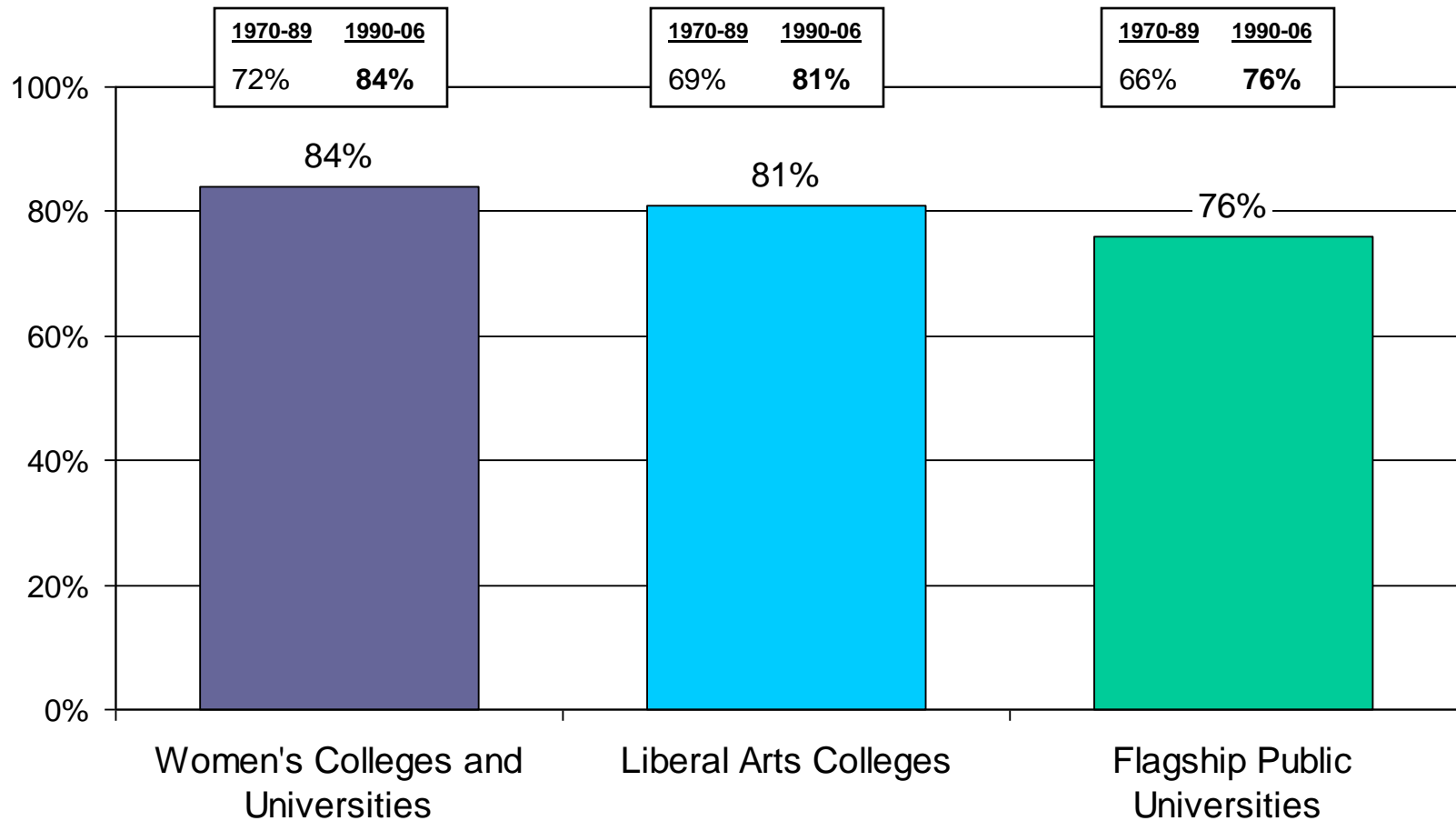


The Women's Colleges group is significantly higher than the Flagship Public Universities group, and similar to the Liberal Arts Colleges group

Q.10 How effective was your college in helping you with...? (rating a 4 or 5 on a five-point scale, where 1= not at all effective and 5 = extremely effective)

Women's Colleges Receive Similar Effectiveness Ratings to Other Colleges and Universities for Helping Students Learn to Work as Part of a Team

Significant increase for all groups

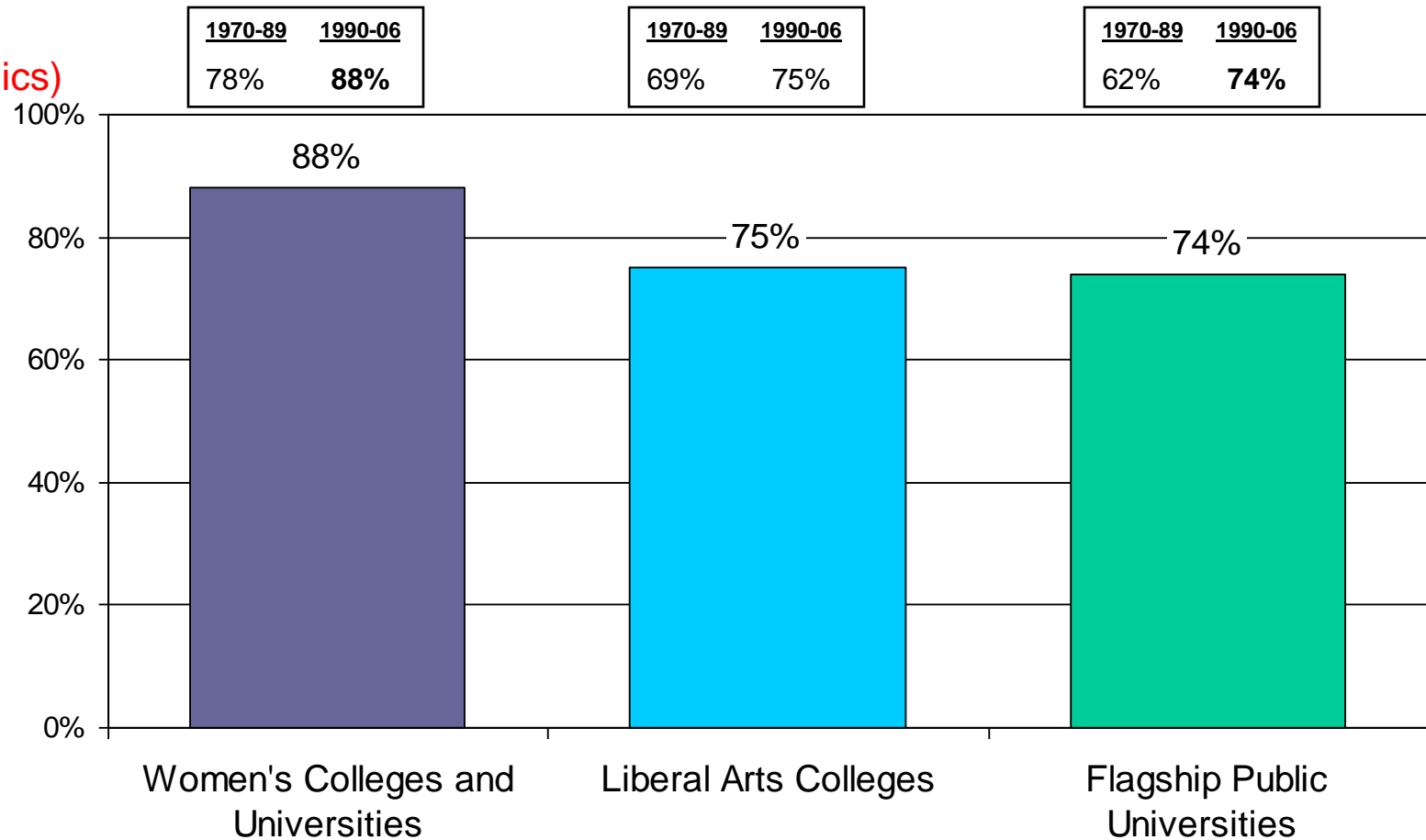


There are no significant differences between groups

Q.10 How effective was your college in helping you with...? (rating a 4 or 5 on a five-point scale, where 1= not at all effective and 5 = extremely effective)

Women's Colleges Receive Higher Effectiveness Ratings than All Other Colleges and Universities for Helping Students Learn to Relate to People of Different Backgrounds

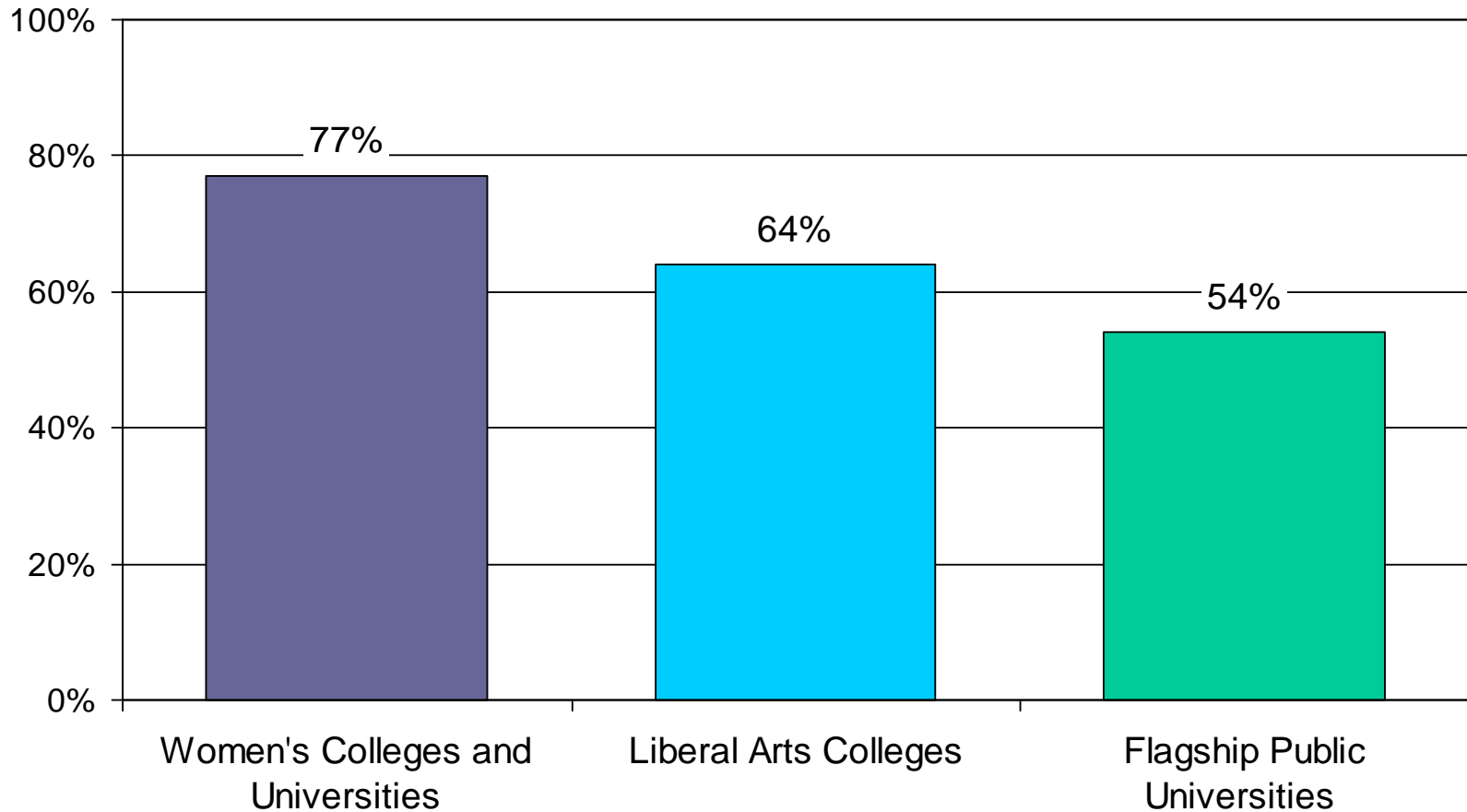
Significant increase for Women's Colleges (and publics)



The Women's Colleges group is significantly higher than all other groups

Q.10 How effective was your college in helping you with...? (rating a 4 or 5 on a five-point scale, where 1= not at all effective and 5 = extremely effective)

Women's Colleges Receive Higher Effectiveness Ratings than All Other Colleges and Universities for Helping Students Learn to Be Politically or Socially Aware

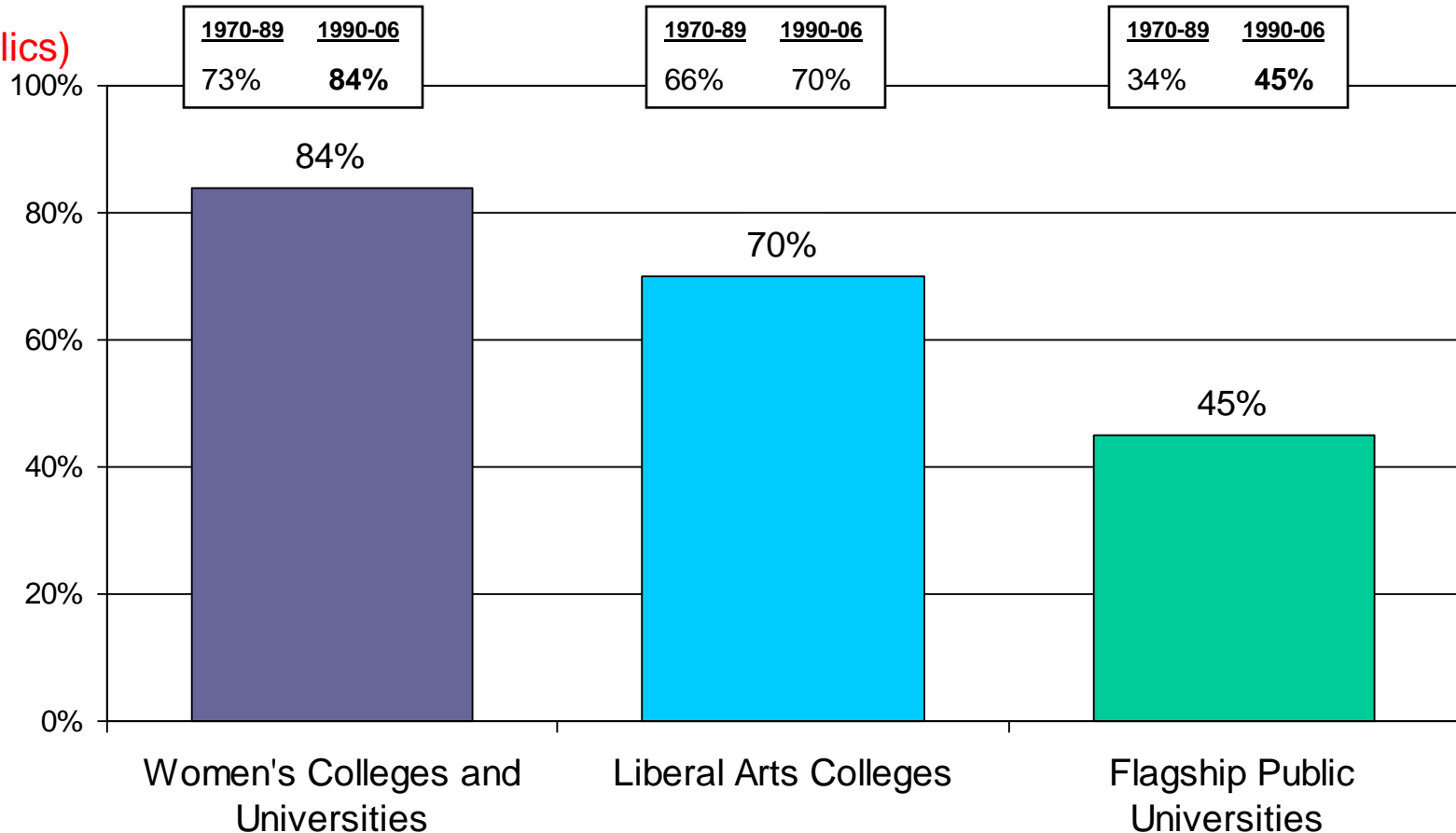


The Women's Colleges group is significantly higher than all other groups

Q.10 How effective was your college in helping you with...? (rating a 4 or 5 on a five-point scale, where 1= not at all effective and 5 = extremely effective)

Women's Colleges Receive Higher Effectiveness Ratings than All Other Colleges and Universities for Helping Students Develop Moral Principles That Can Guide Actions

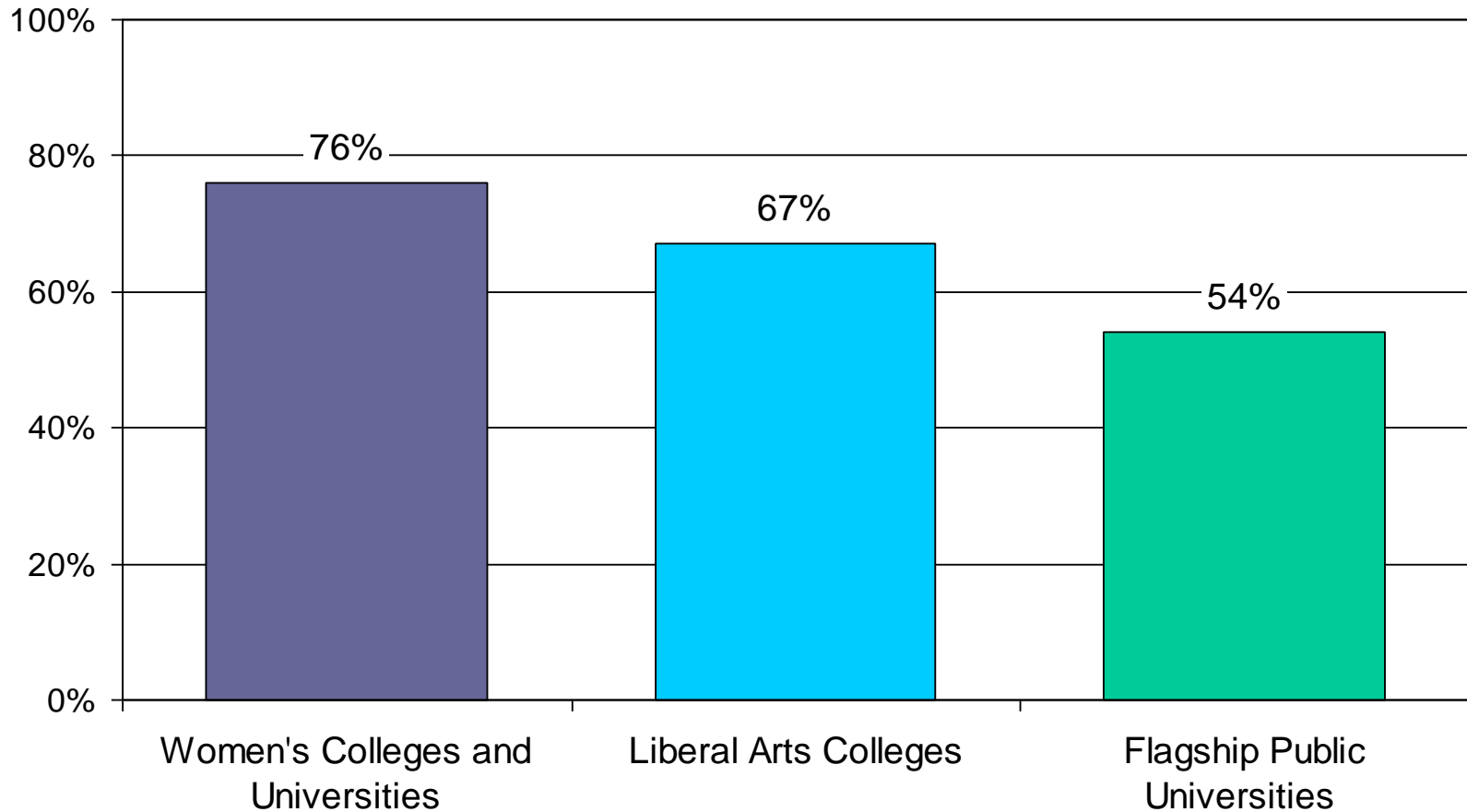
Significant increase for Women's Colleges (and publics)



The Women's Colleges group is significantly higher than all other groups

Q.10 How effective was your college in helping you with...? (rating a 4 or 5 on a five-point scale, where 1= not at all effective and 5 = extremely effective)

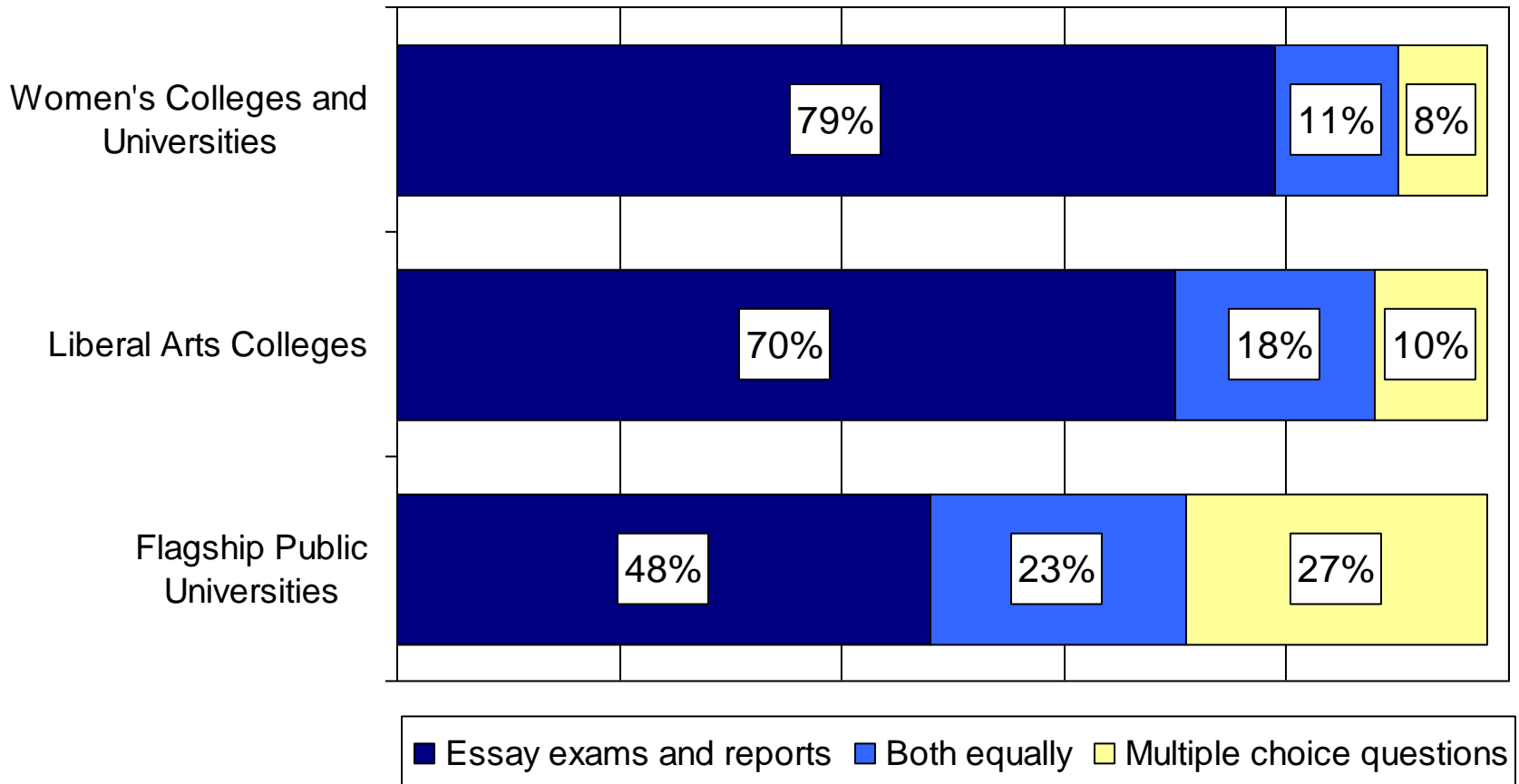
Women's Colleges Receive Higher Effectiveness Ratings than All Other Colleges and Universities for Helping Students to Place Problems in Social and Historical Perspective



The Women's Colleges group is significantly higher than all other groups

Q.10 How effective was your college in helping you with...? (rating a 4 or 5 on a five-point scale, where 1= not at all effective and 5 = extremely effective)

Women's Colleges Alumnae Were More Likely than All Other Graduates to Be Graded on Essay Exams and Written Reports

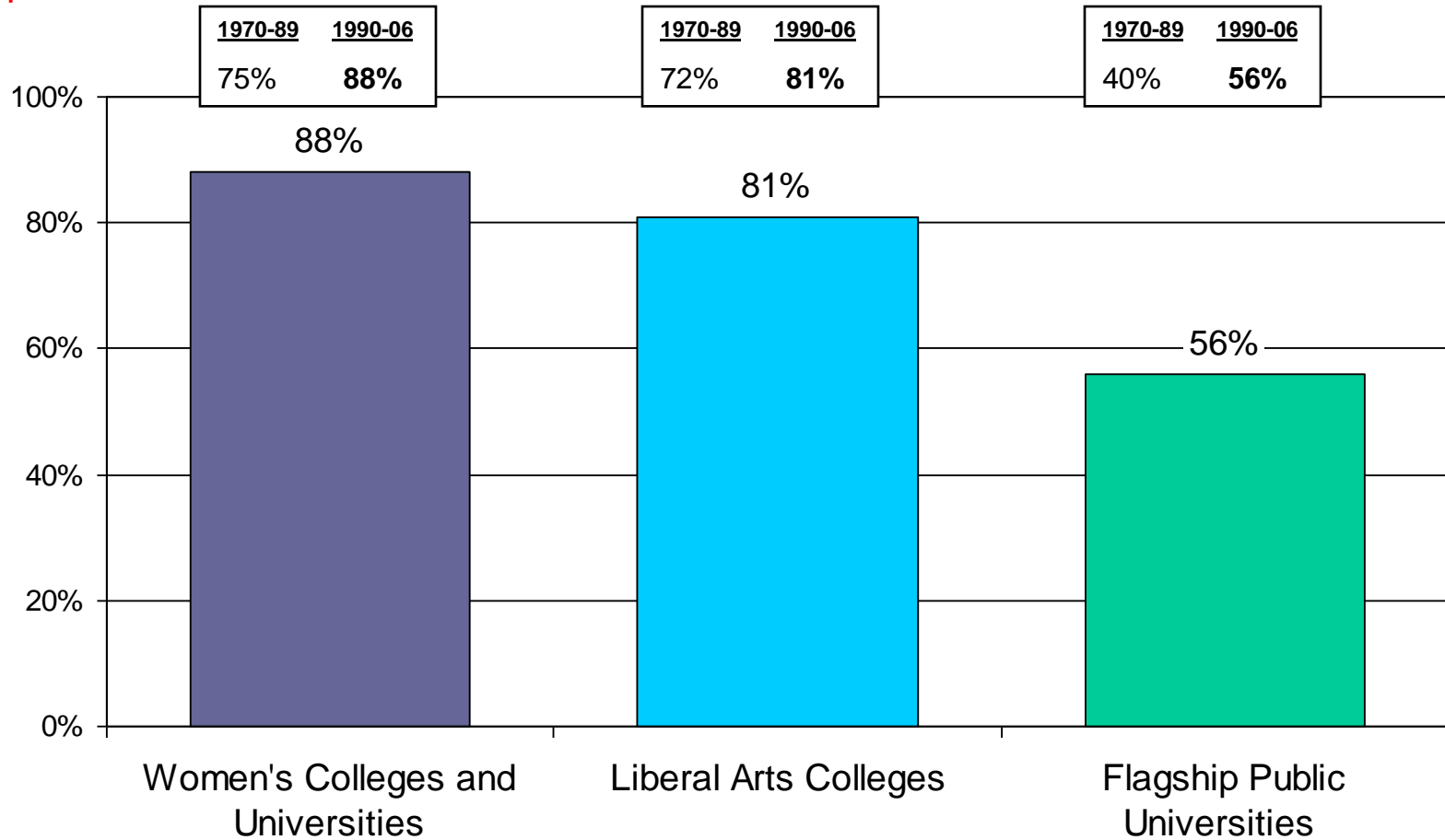


The Women's Colleges group is higher than the other groups for "Essay exams" and lower on "Multiple choice questions" (Flagships) and "Both equally" (both groups)

Q.3 Would you say that most of your grades were based on...?

Women's Colleges Alumnae Are More Likely than All Other Graduates to Say Their Experience Often Included Extensive Classroom Discussions

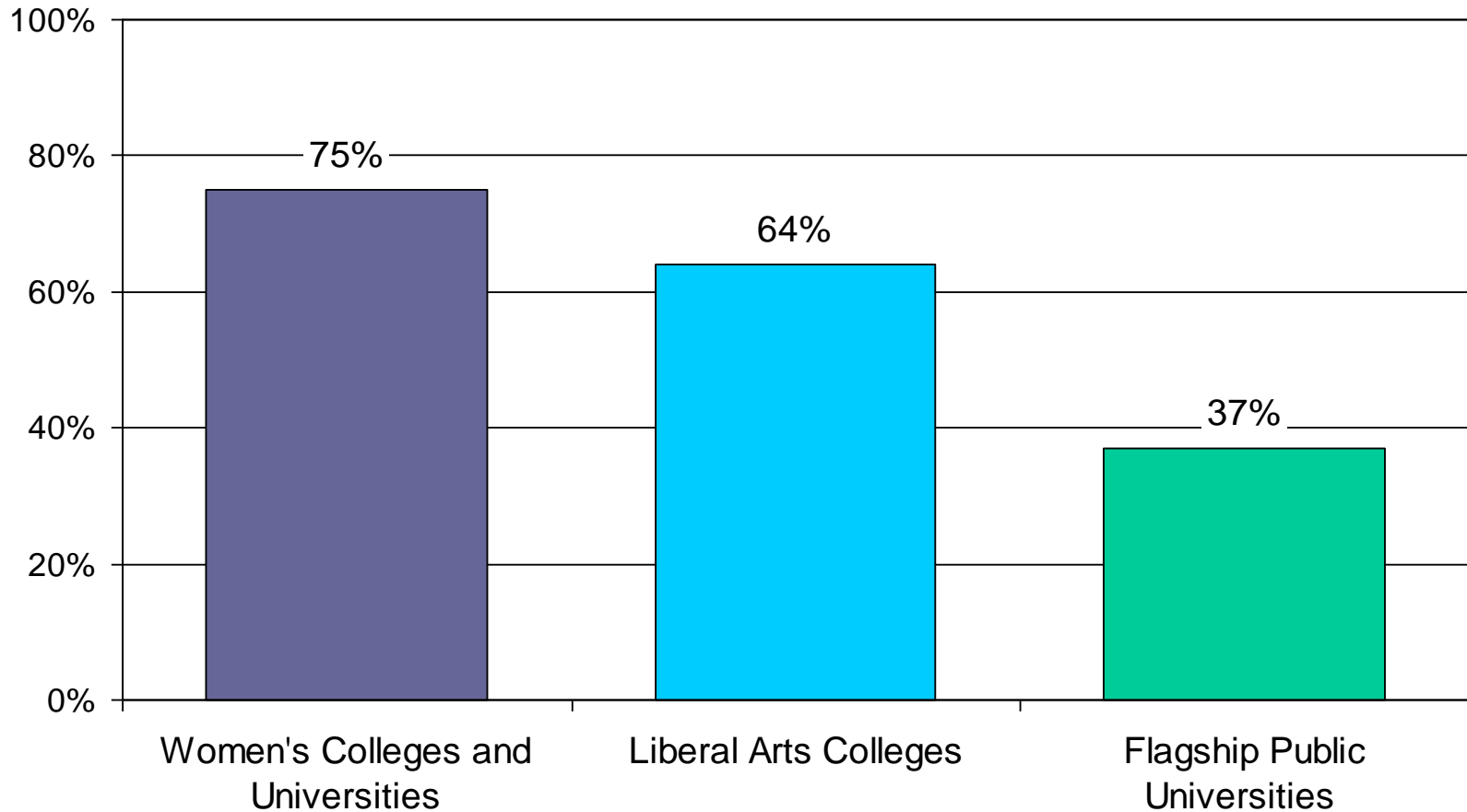
Significant increase for all groups



The Women's Colleges group is significantly higher than all other groups

Q.2 How often did your college experience include the following...? (rating a 4 or 5 on a five-point scale, where 1=never and 5=always)

Women's Colleges Alumnae Are More Likely than All Other Graduates to Say Their Experience Often Included Integration of Values and Ethics in Classroom Discussions

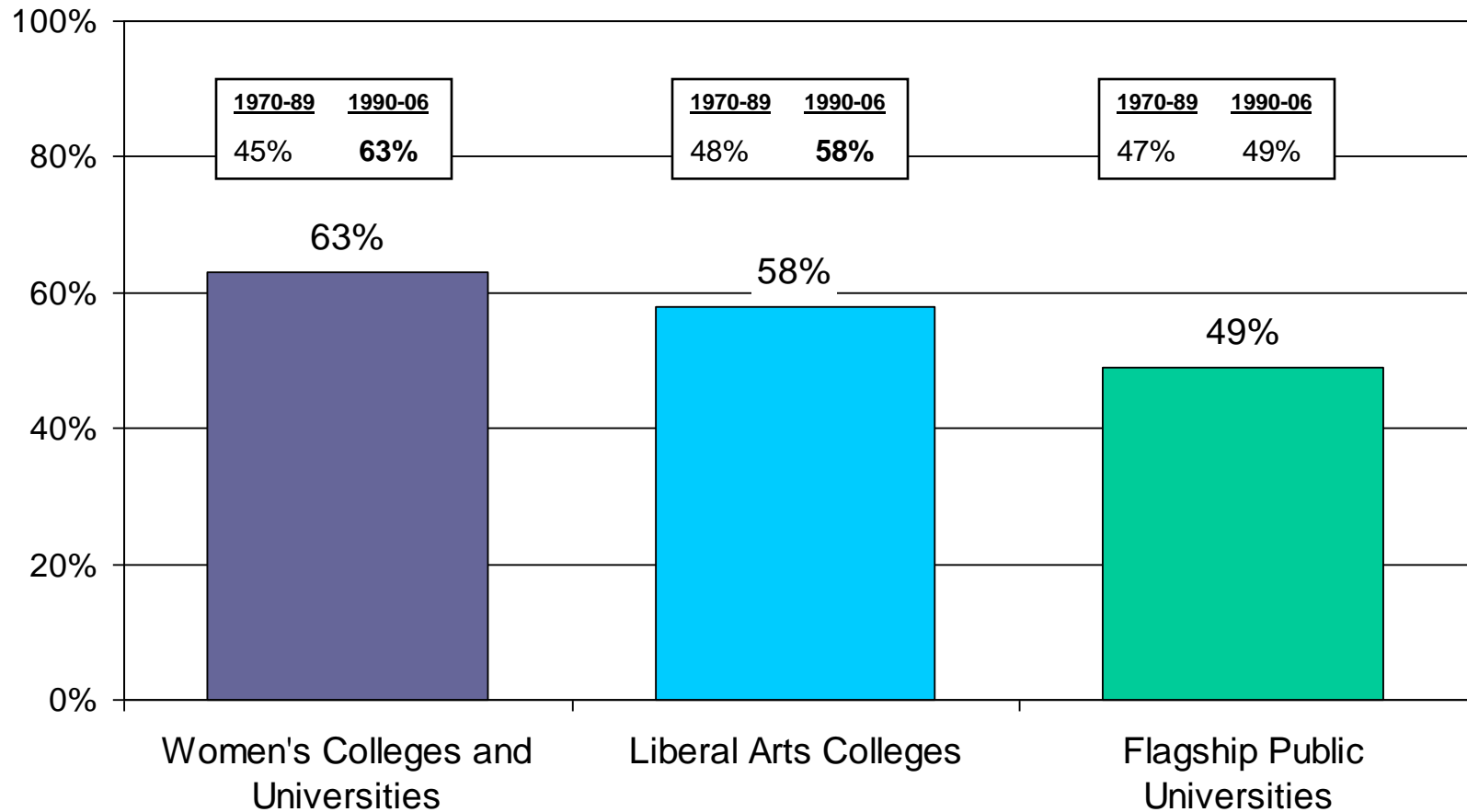


The Women's Colleges group is significantly higher than all other groups

Q.2 How often did your college experience include the following...? (rating a 4 or 5 on a five-point scale, where 1=never and 5=always)

Women's Colleges Alumnae Were More Likely than Flagship Public Universities Graduates to Participate in College-Sponsored Internships or Other Applied Learning

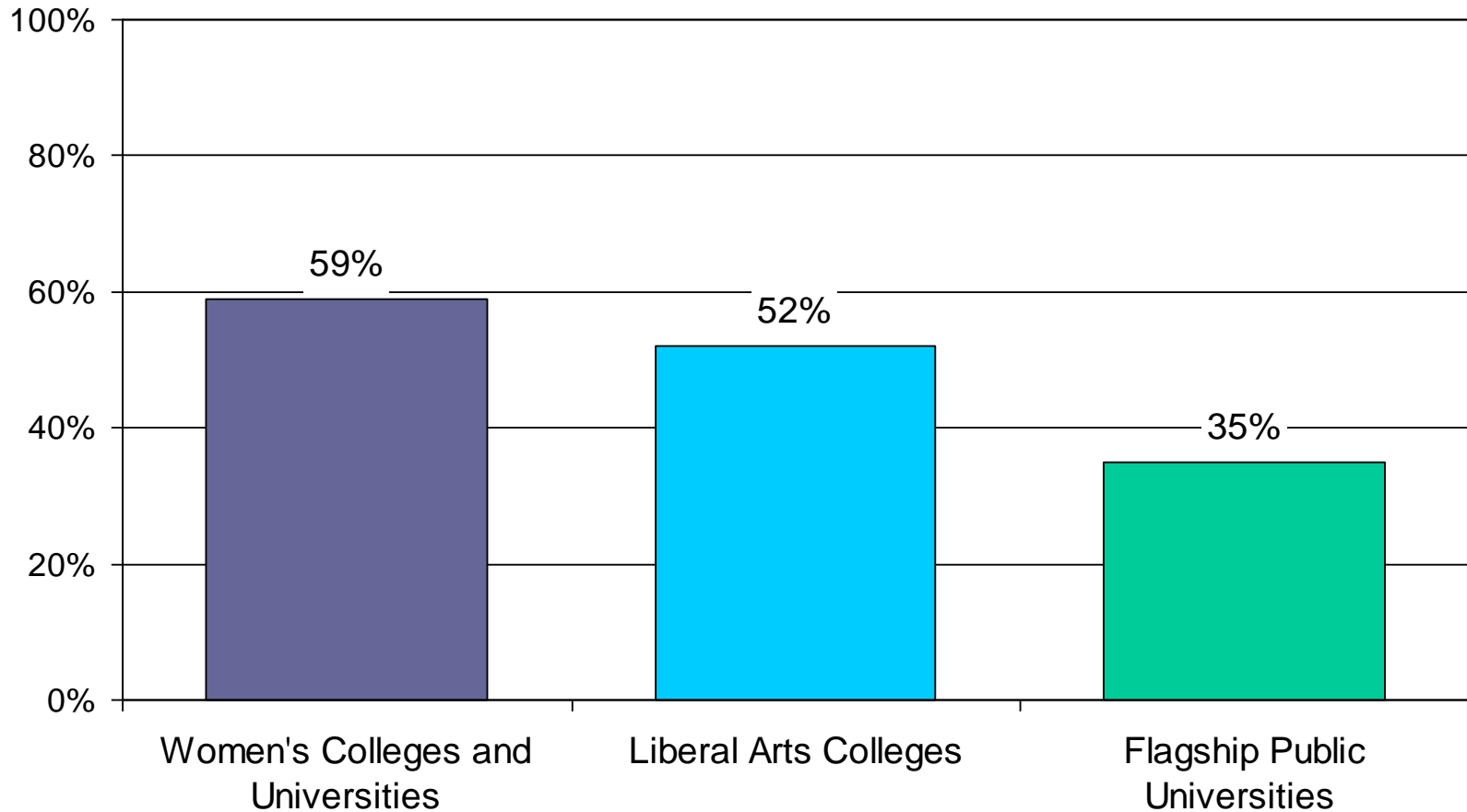
Significant increase for Women's Colleges (and L.A. colleges)



The Women's Colleges group is significantly higher than the Flagship Public Universities group, and similar to the Liberal Arts Colleges group

Q.5 While in college, did you participate in...?

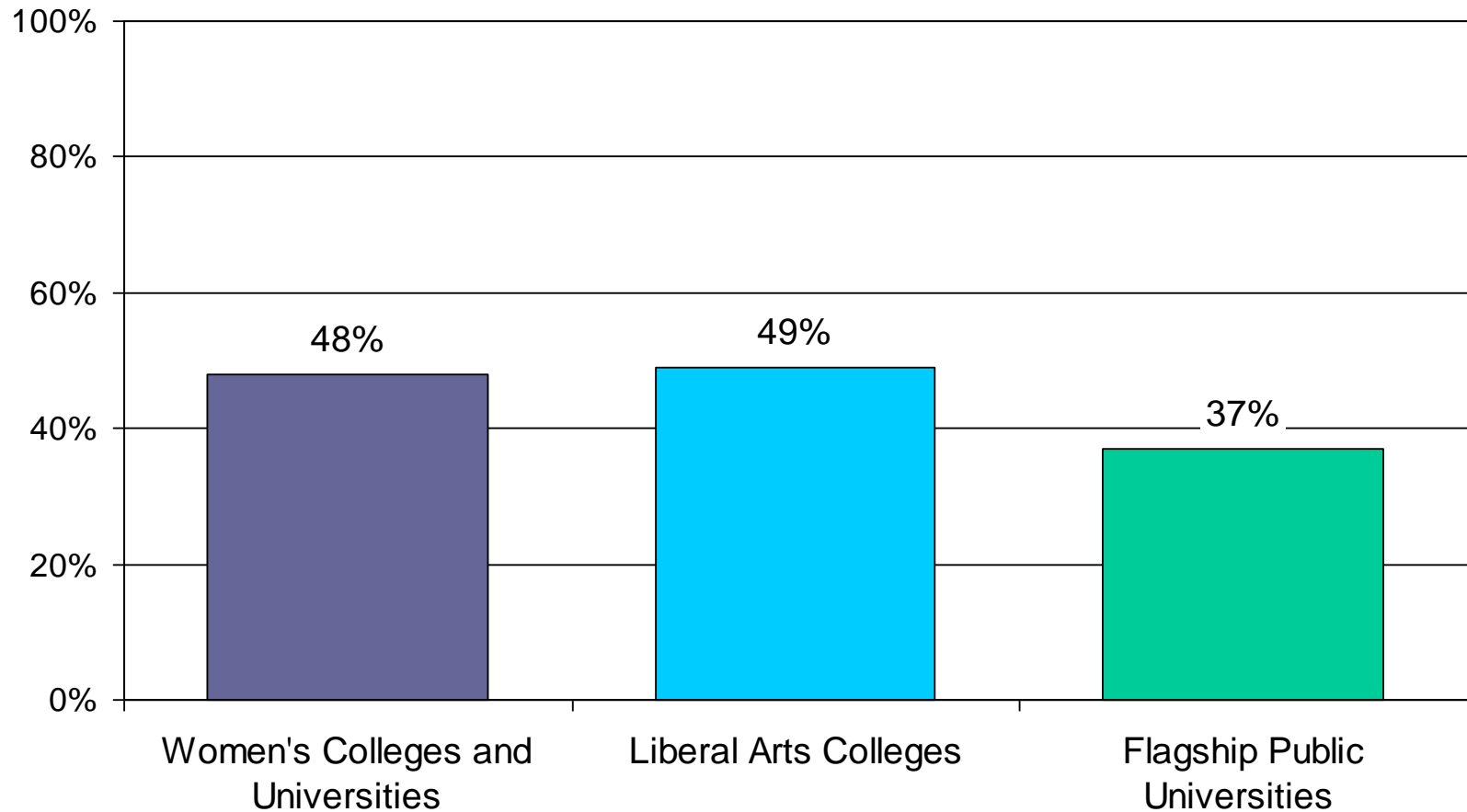
Women's Colleges Alumnae Were More Likely than Flagship Public Universities Alumnae to Participate in Faculty-Directed Research or Independent Study



The Women's Colleges group is significantly higher than the Flagship Public Universities group, and similar to the Liberal Arts Colleges group

Q.5 While in college, did you participate in...?

Women's Colleges Alumnae Were More Likely than Flagship Public Universities Graduates to Participate in International Study or Another Off-Campus Study Experience



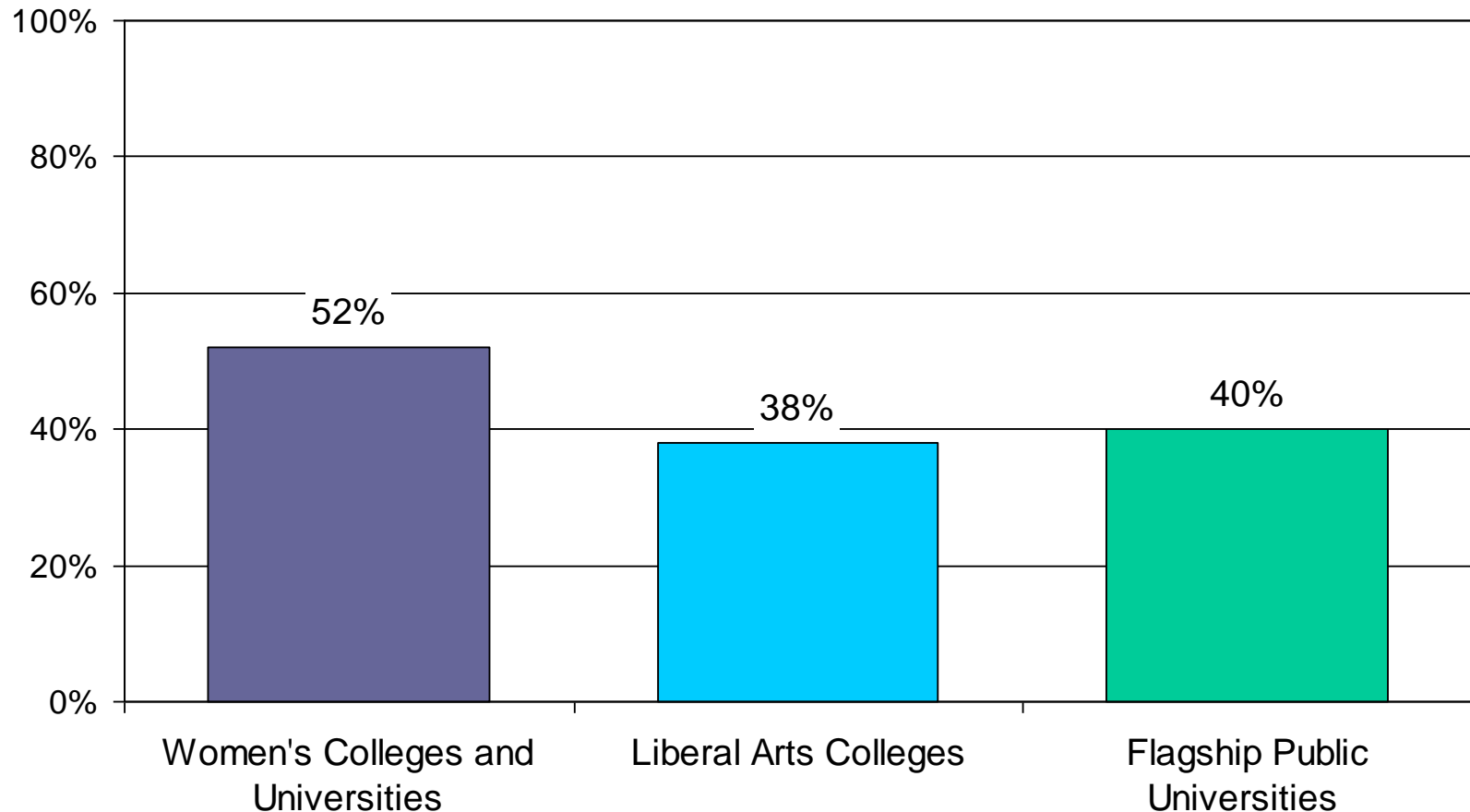
The Women's Colleges group is significantly higher than the Flagship Public Universities group, and similar to the Liberal Arts Colleges group

Q.5 While in college, did you participate in...?

A women's college education...

Enables students to engage with top faculty and resources. Women's college graduates attribute their success to interaction with “a high quality teaching-oriented faculty.” They report strong benefits from mentoring, small classes and personal interaction with professors. At women's colleges, *all* of the resources, from sophisticated research equipment to preeminent athletics facilities to internship and fellowship funding, are focused on and available to women students.

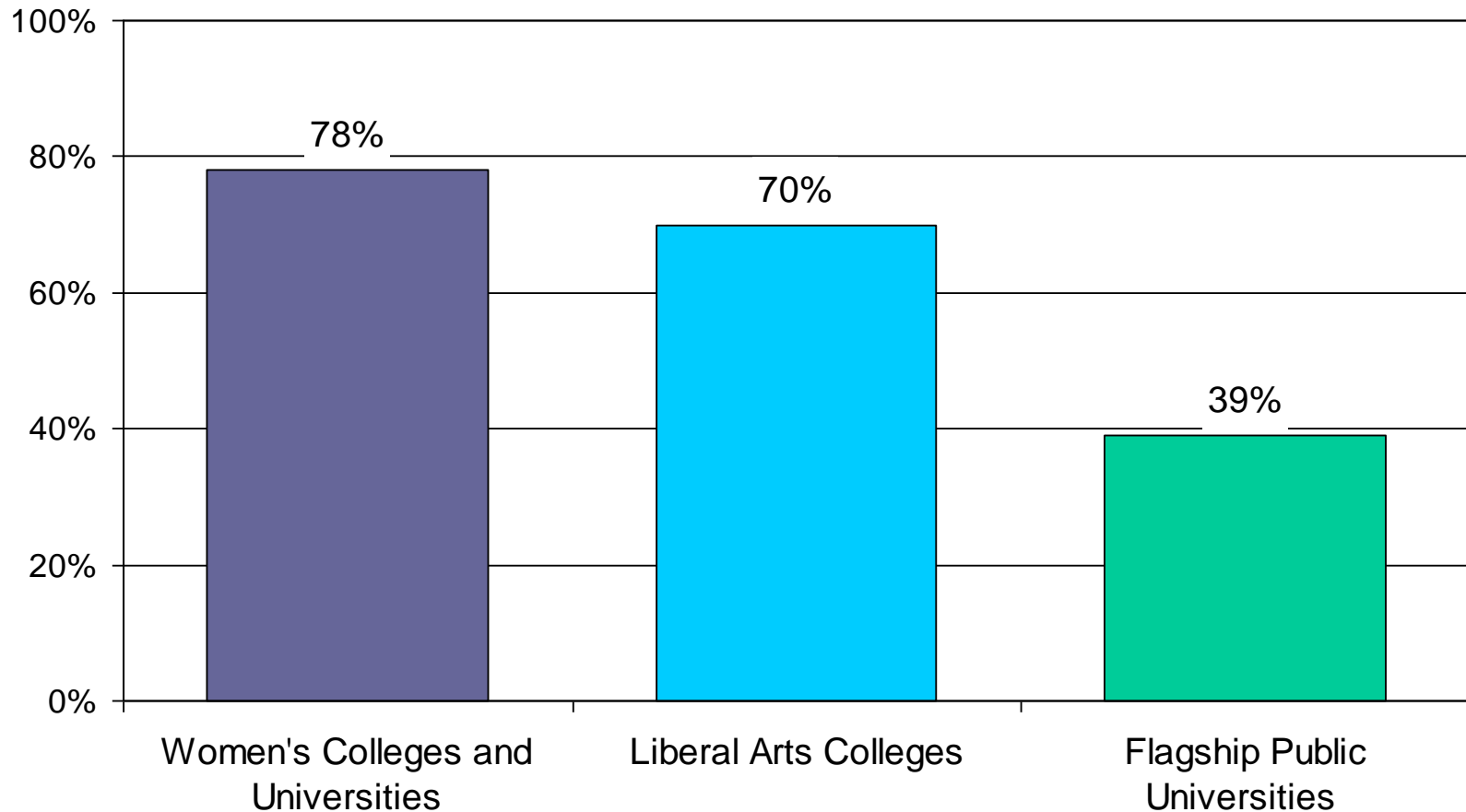
Women's Colleges Alumnae Are More Likely than All Other Alumnae to Say They Benefited Very Much from Good Academic Facilities and Equipment



The Women's Colleges group is significantly higher than all other groups

Q.1 Please tell me how much you personally benefited from...? (rating a 5 on a five-point scale, where 1=did not benefit at all and 5=benefited very much)

Women's Colleges Alumnae Are More Likely than All Other Alumnae to Say They Benefited Very Much from A High Quality, Teaching-Oriented Faculty

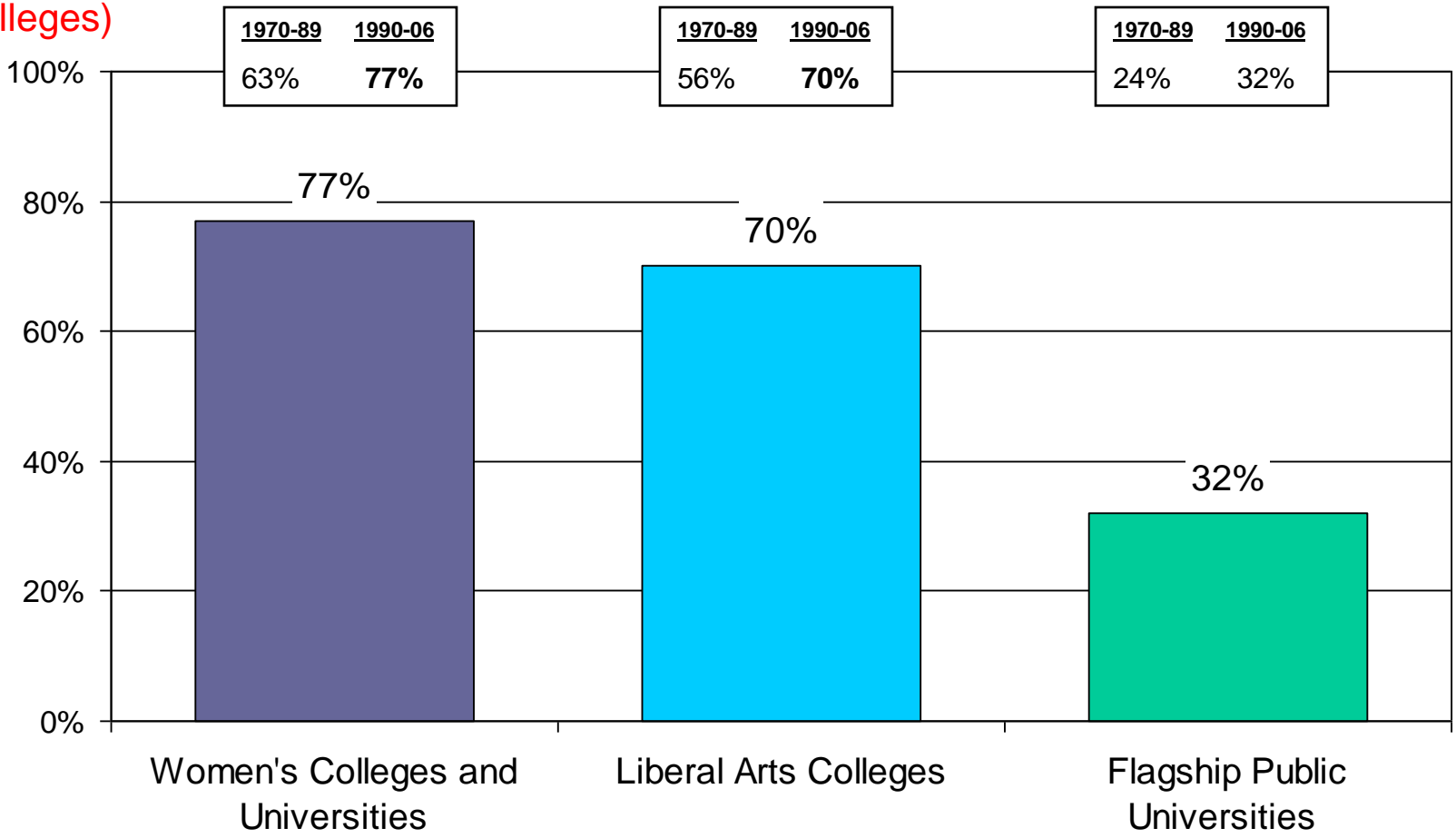


The Women's Colleges group is significantly higher than all other groups

Q.1 Please tell me how much you personally benefited from...? (rating a 5 on a five-point scale, where 1=did not benefit at all and 5=benefited very much)

Women's Colleges Alumnae Are More Likely than Flagship Public University Graduates to Say They Benefited Very Much from Personal Interaction with Professors

Significant increase for Women's Colleges (and L.A. colleges)

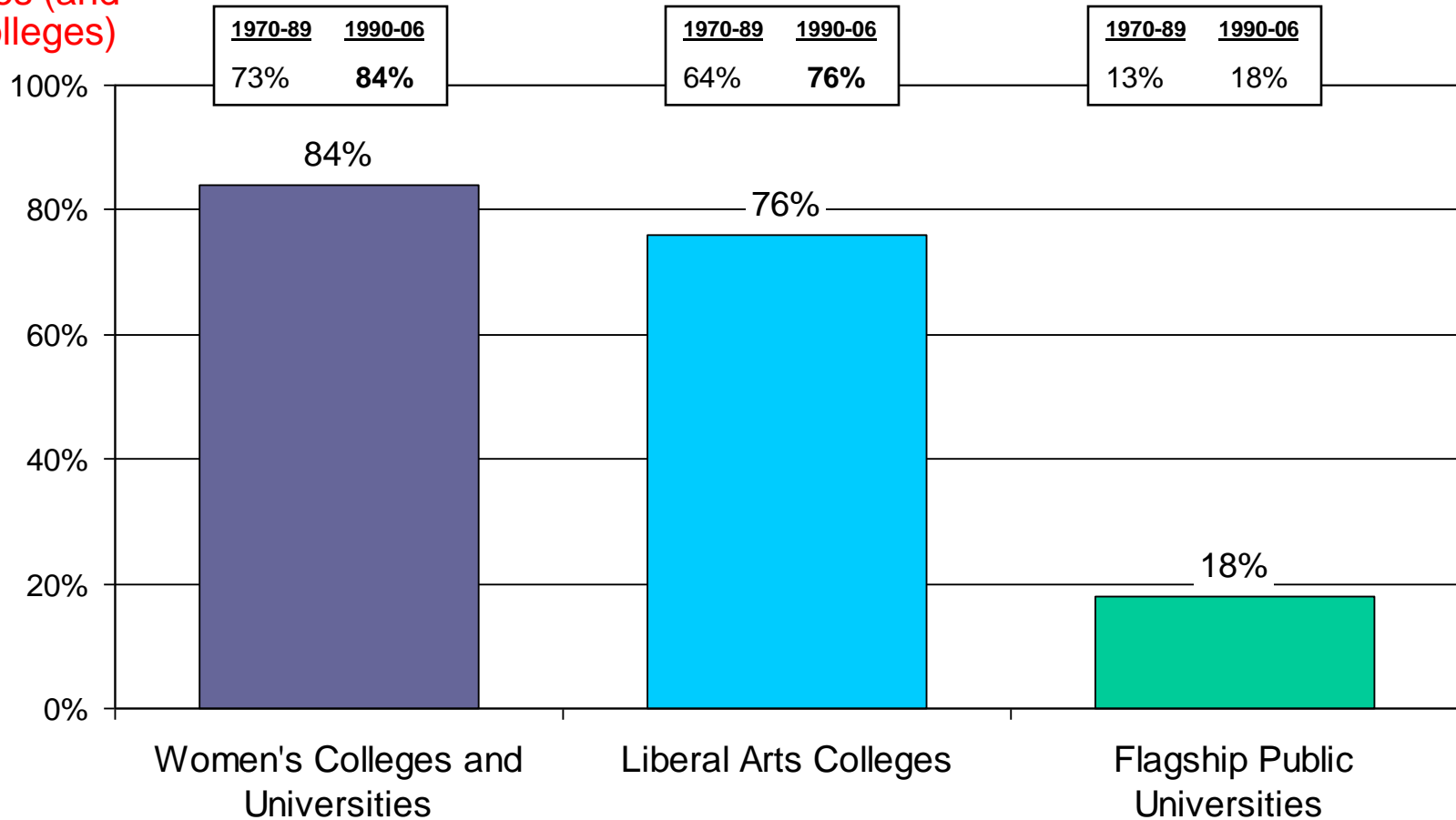


The Women's Colleges group is similar to the Liberal Arts colleges, and significantly higher than the Flagship Public Universities group

Q.1 Please tell me how much you personally benefited from...? (rating a 5 on a five-point scale, where 1=did not benefit at all and 5=benefited very much)

Women's Colleges Alumnae Are More Likely than Flagship Public Universities Graduates to Say They Benefited Very Much from Many Small Classes with Fewer than Twenty Students

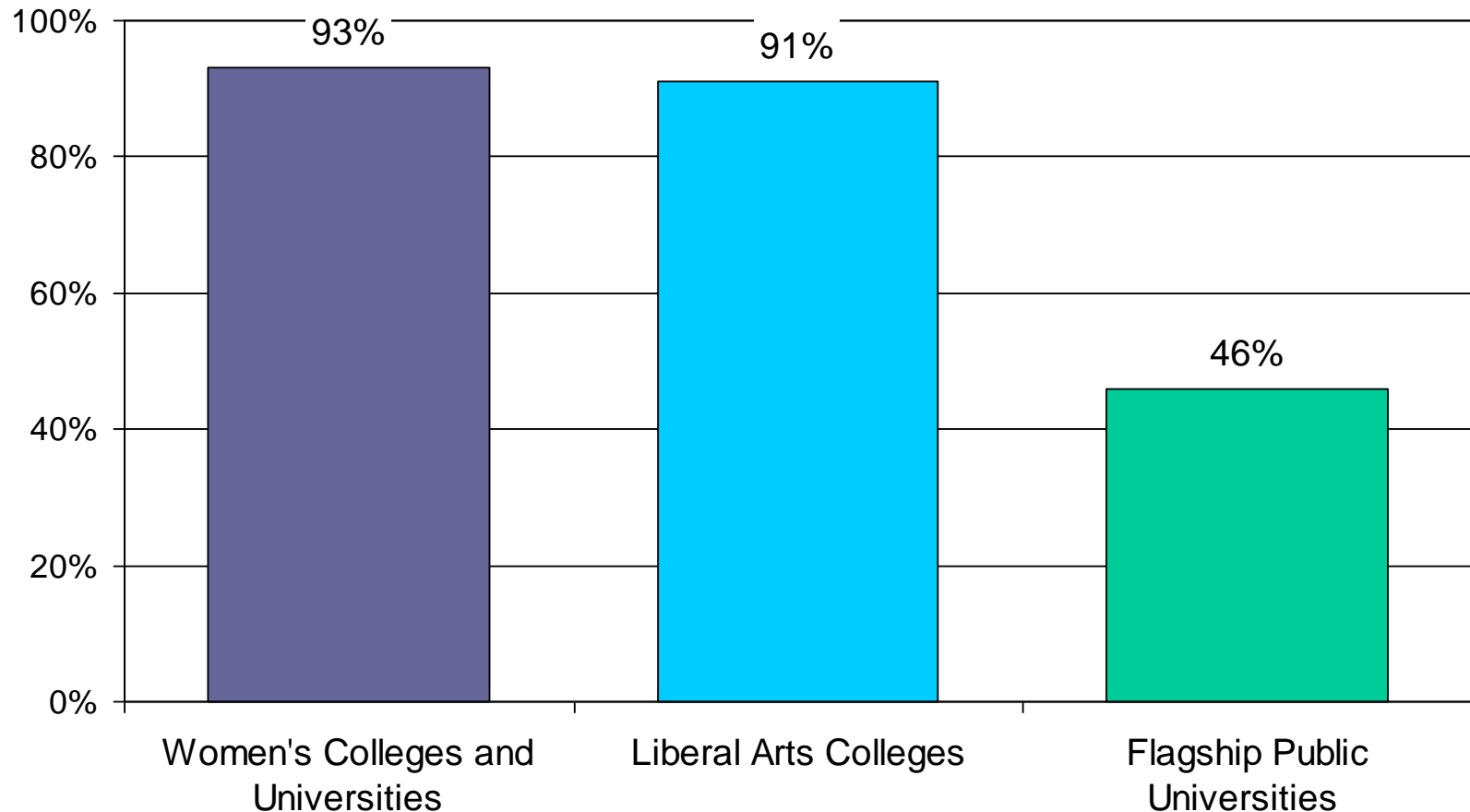
Significant increase for Women's Colleges (and L.A. colleges)



The Women's Colleges group is similar to the Liberal Arts colleges, and significantly higher than the Flagship Public Universities group

Q.1 Please tell me how much you personally benefited from...? (rating a 5 on a five-point scale, where 1=did not benefit at all and 5=benefited very much)

Women's Colleges Alumnae Are More Likely than Flagship Public Universities Alumnae to Say They Benefited Very Much from a Majority of Classes Taught by Professors



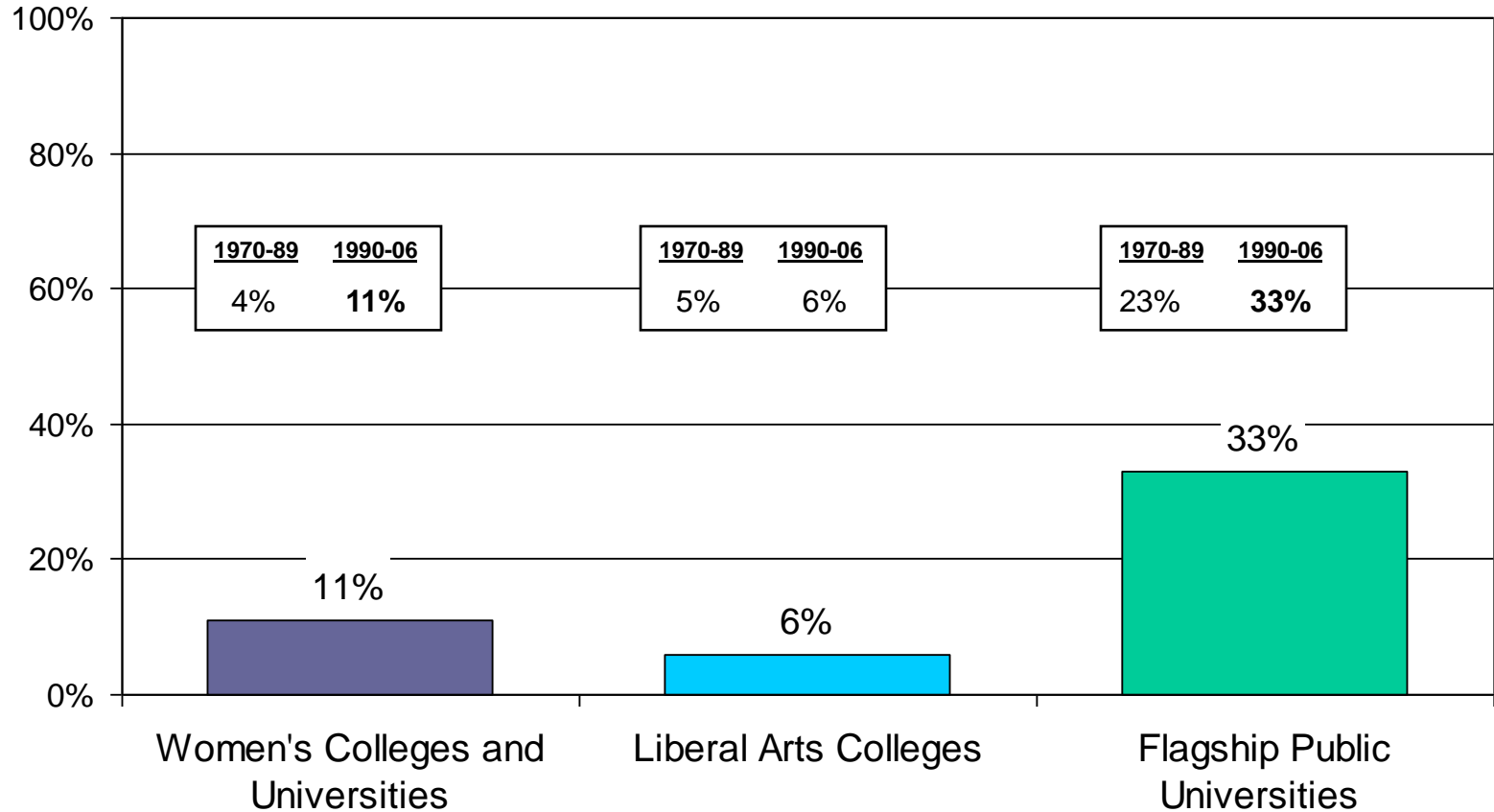
The Women's Colleges group is significantly higher than the Flagship Public Universities group, and similar to the Liberal Arts Colleges

Q.1 Please tell me how much you personally benefited from...? (rating a 5 on a five-point scale, where 1=did not benefit at all and 5=benefited very much)

Women's Colleges Alumnae Are Less Likely than Public Universities

Significant
increase for
Women's
Colleges
(and publics)

Alumnae to Say Their Experience Often Included the Use of Teaching Assistants in Classes or Discussion Sections

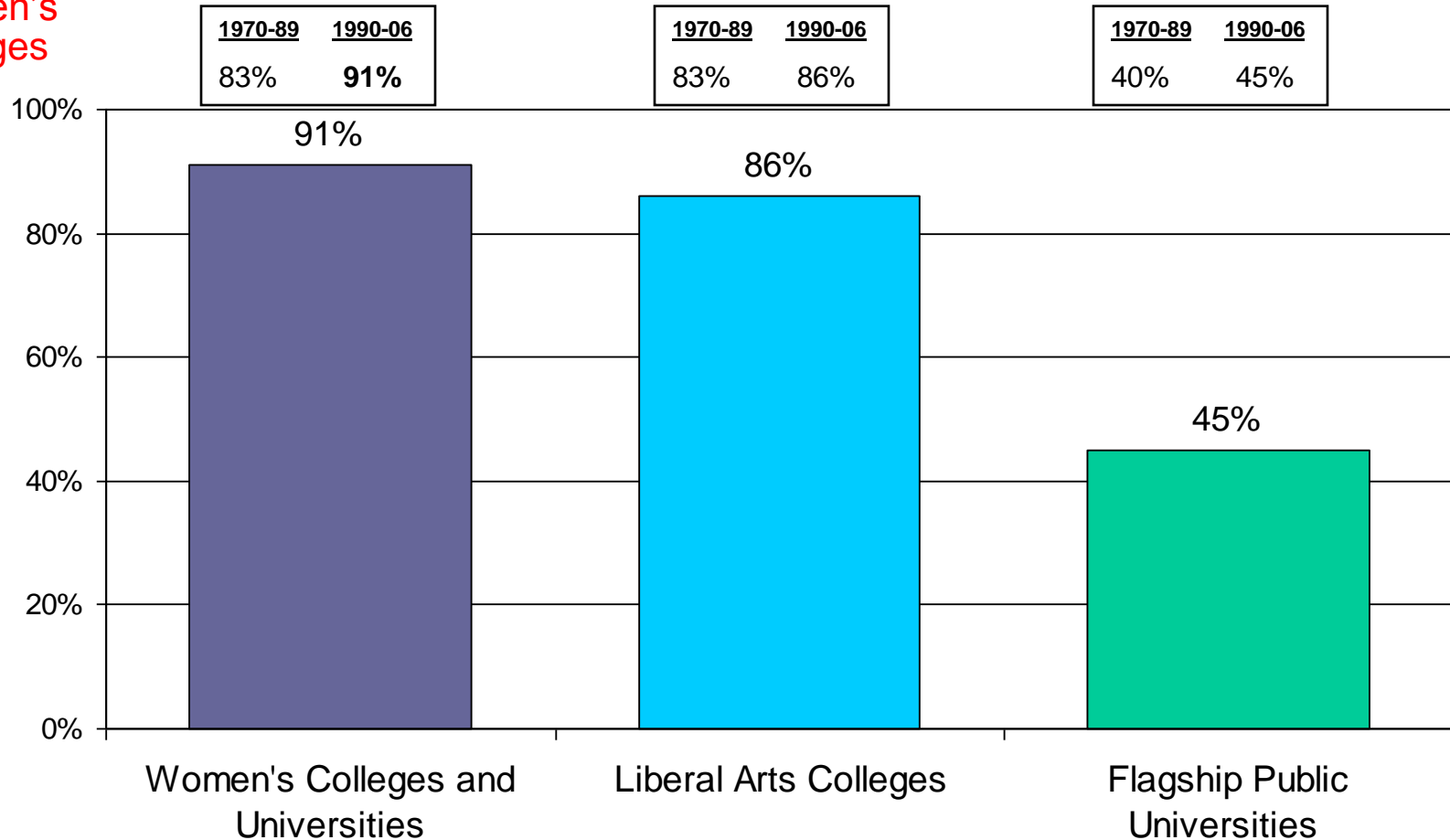


The Women's Colleges group is significantly lower than the Flagship Public Universities group, and higher than the Liberal Arts Colleges group

Q.2 How often did your college experience include the following...? (rating a 4 or 5 on a five-point scale, where 1=never and 5=always)

Women's Colleges Alumnae Are More Likely than Flagship Public Universities Graduates to Agree Faculty Were Interested in Students Personally as Well as Academically

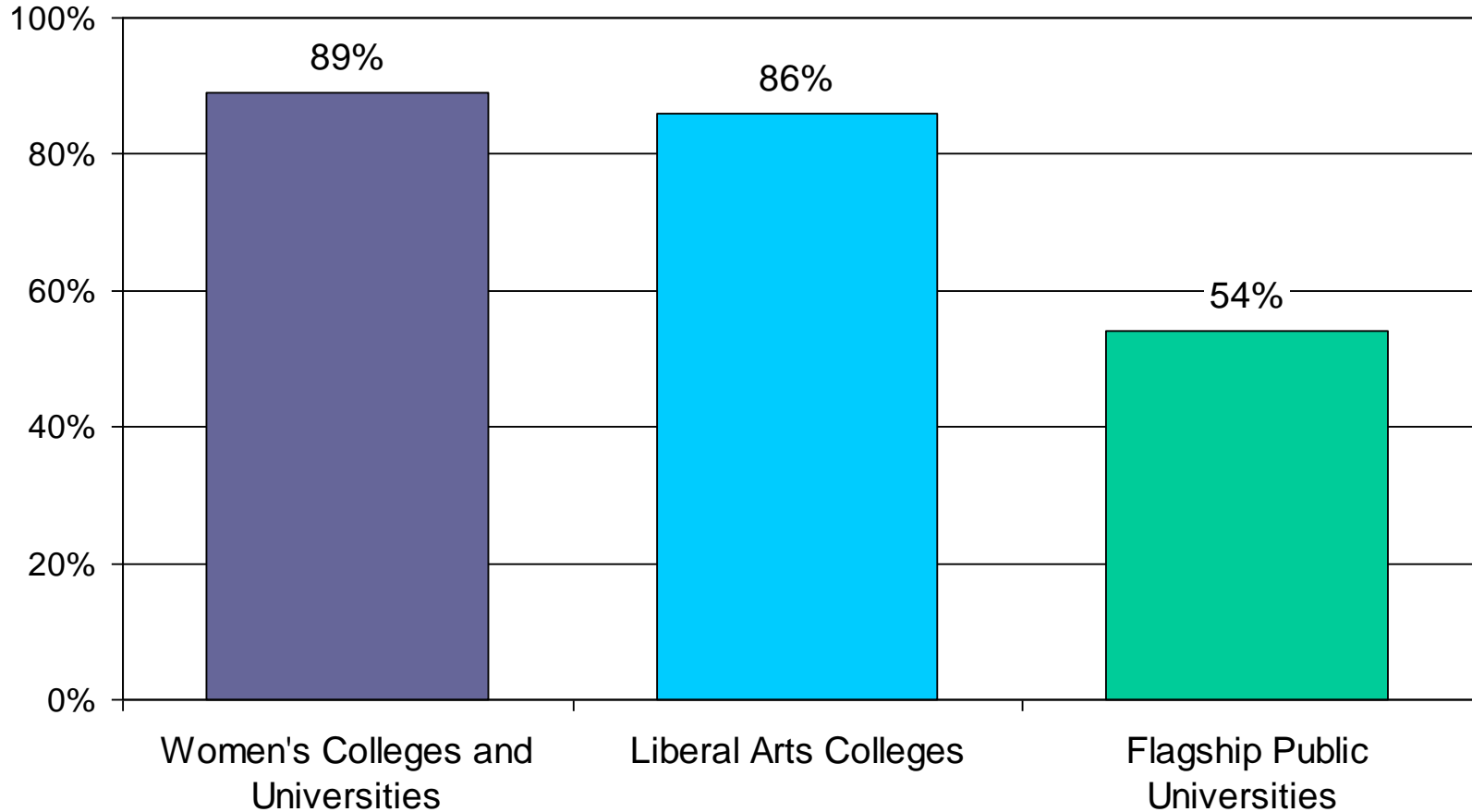
Significant increase for Women's Colleges



The Women's Colleges group is significantly higher than the Flagship Public Universities group, and similar to the Liberal Arts Colleges

Q.12 How much do you agree or disagree with the following statement...? (rating a 4 or 5 on a five-point scale, where 1=strongly disagree and 5=strongly agree)

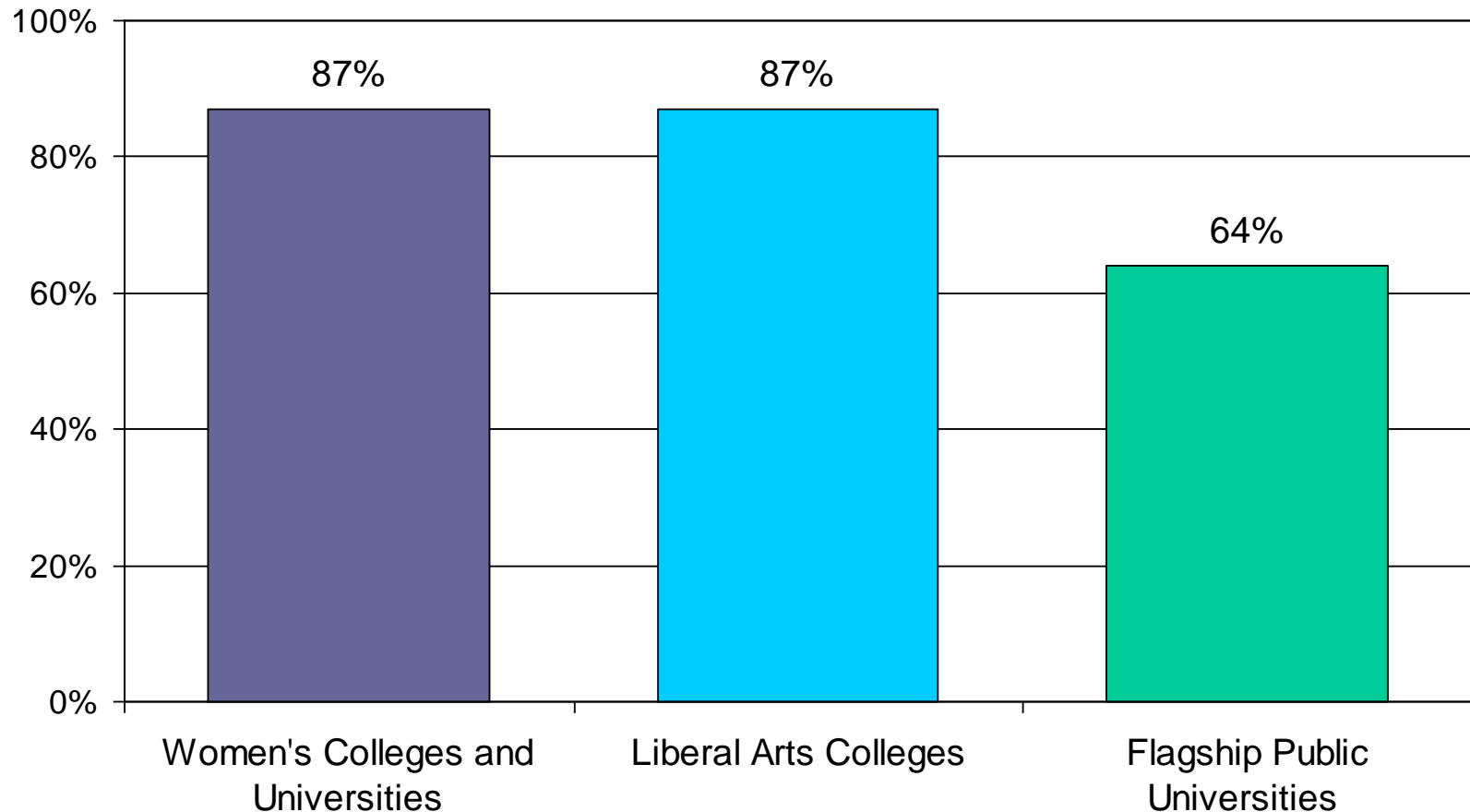
Women's Colleges Alumnae Are More Likely than Public Universities Alumnae to Say Their Professors Often Challenged Them Academically, But Also Personally Helped Them Meet Those Challenges



The Women's Colleges group is significantly higher than the Flagship Public Universities group, and similar to the Liberal Arts Colleges

Q.2 How often did your college experience include the following...? (rating a 4 or 5 on a five-point scale, where 1=never and 5=always)

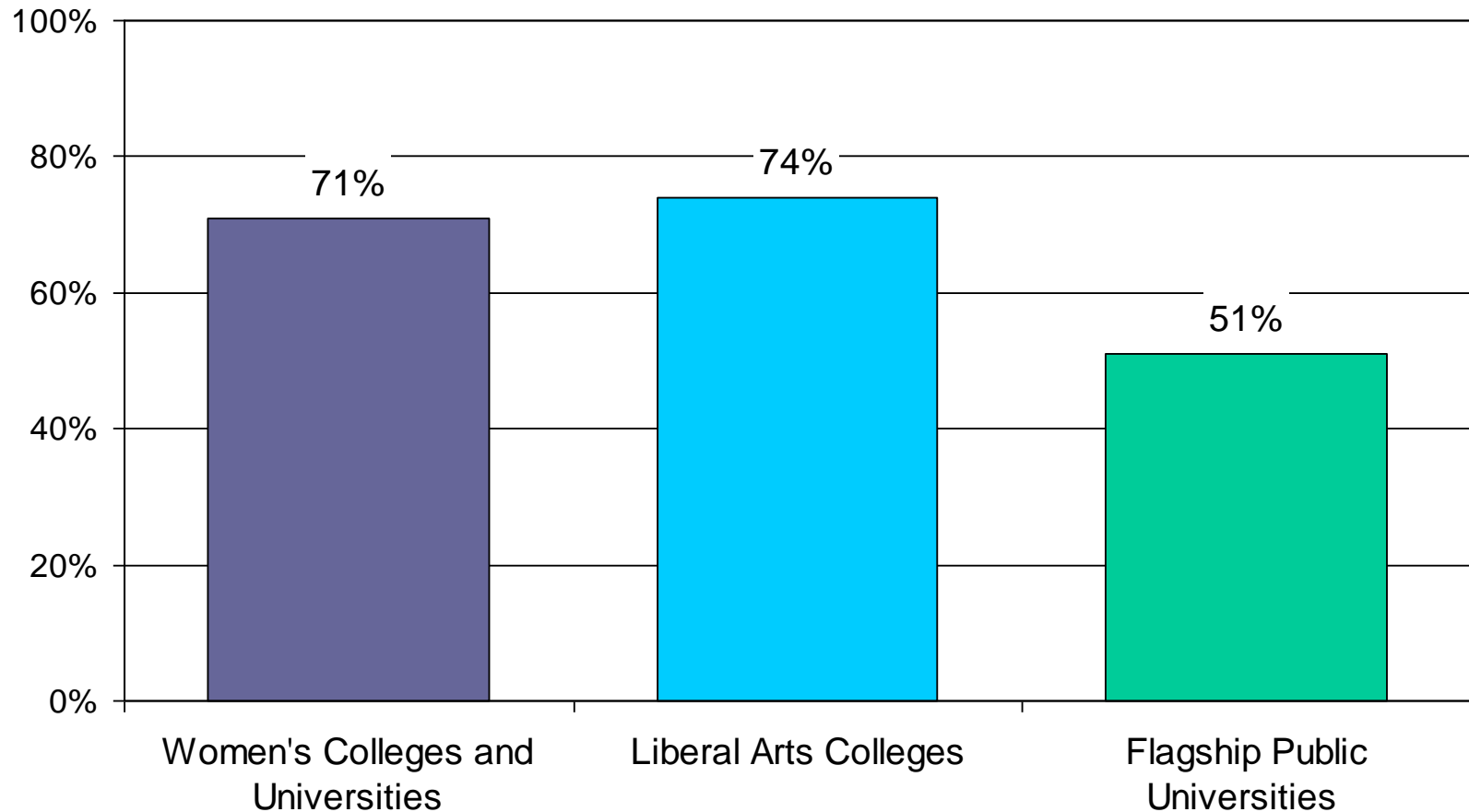
Women's Colleges Alumnae Are More Likely than Flagship Public Universities Graduates to Have Found a Mentor in College



The Women's Colleges group is significantly higher than the Flagship Public Universities group, and similar to the Liberal Arts Colleges

Q.4 Who, if anyone, did you meet at college who was a mentor or role model for you?
(total who mentioned at least one)

A Professor Is Most Likely to Be Cited as a Mentor in College

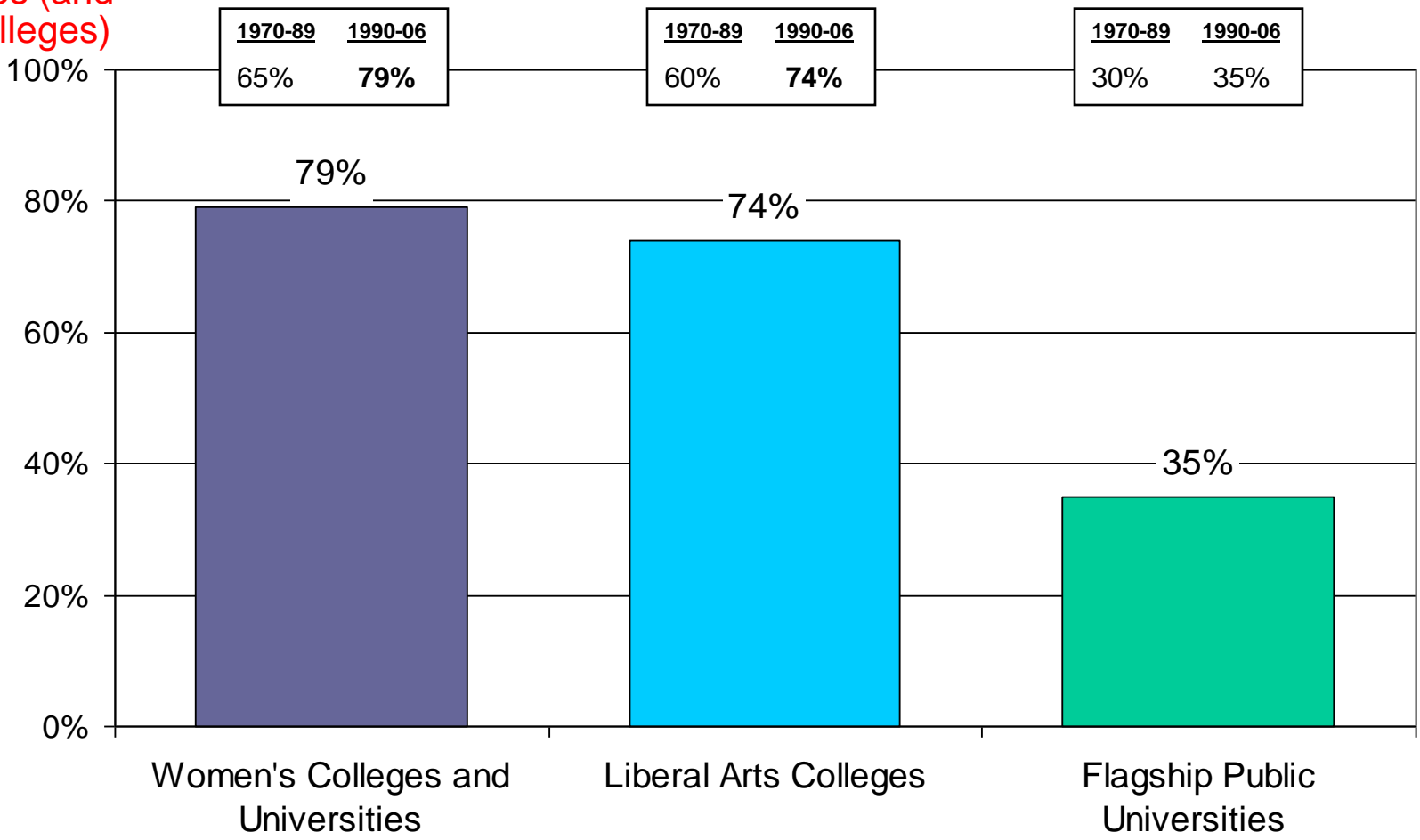


The Women's Colleges group is significantly higher than the Flagship Public Universities group, and similar to the Liberal Arts Colleges group

Q.4 Who, if anyone, did you meet at college who was a mentor or role model for you?
(a professor)

Women's Colleges Alumnae Are More Likely than Alumnae From Public Universities to Say Their Experience Often Included Conversations with Professors Outside of Class

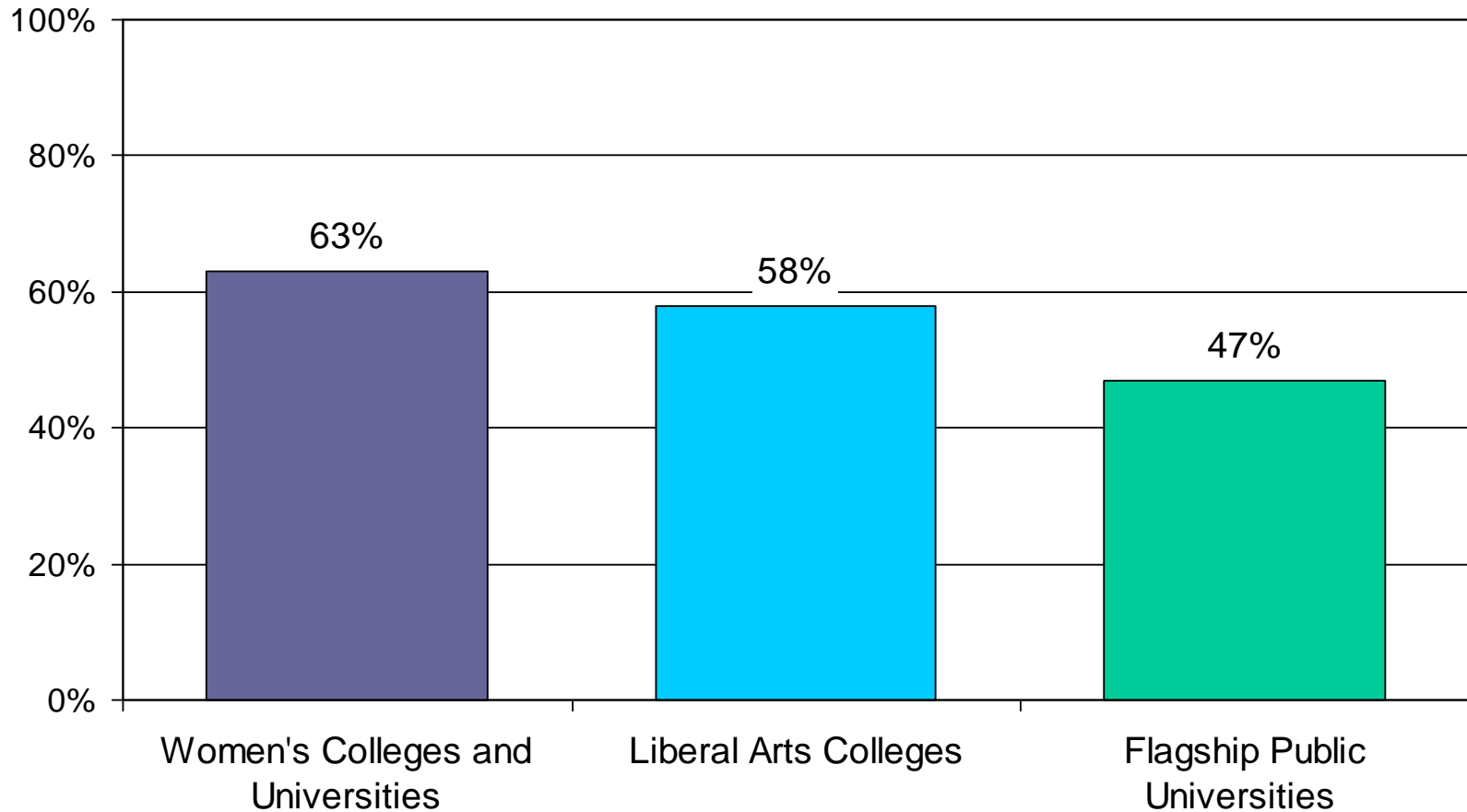
Significant increase for Women's Colleges (and L.A. colleges)



The Women's Colleges group is significantly higher than the Flagship Public Universities group, and similar to the Liberal Arts Colleges

Q.2 How often did your college experience include the following...? (rating a 4 or 5 on a five-point scale, where 1=never and 5=always)

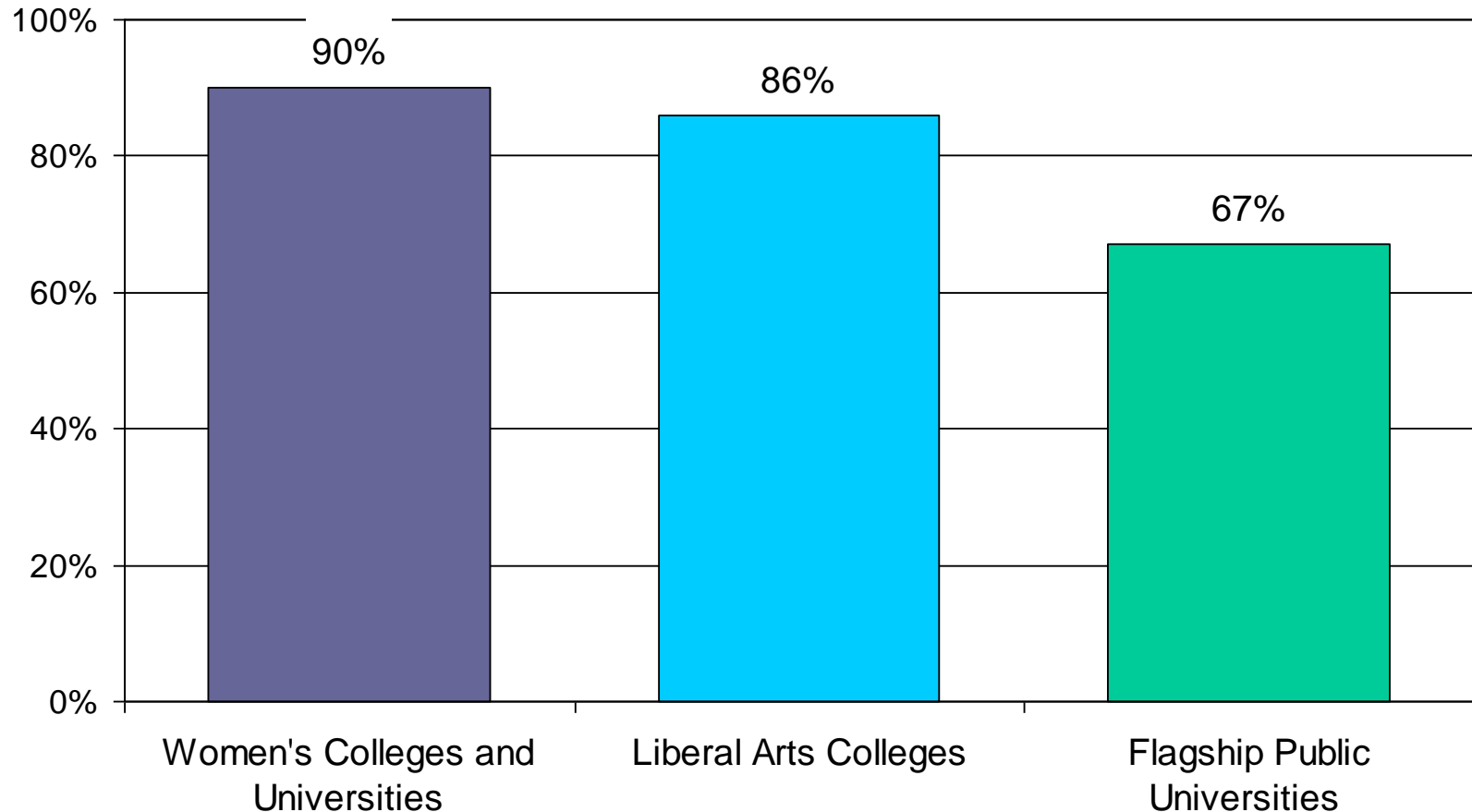
The Quality of References by Faculty or Staff Played More of a Role for Women's Colleges Alumnae in Being Accepted to Graduate School or Finding a First Job



The Women's Colleges group is significantly higher than the Flagship Public University group

Q.11 Did any of the following factors play an important role in being accepted to graduate school or finding your first real job?

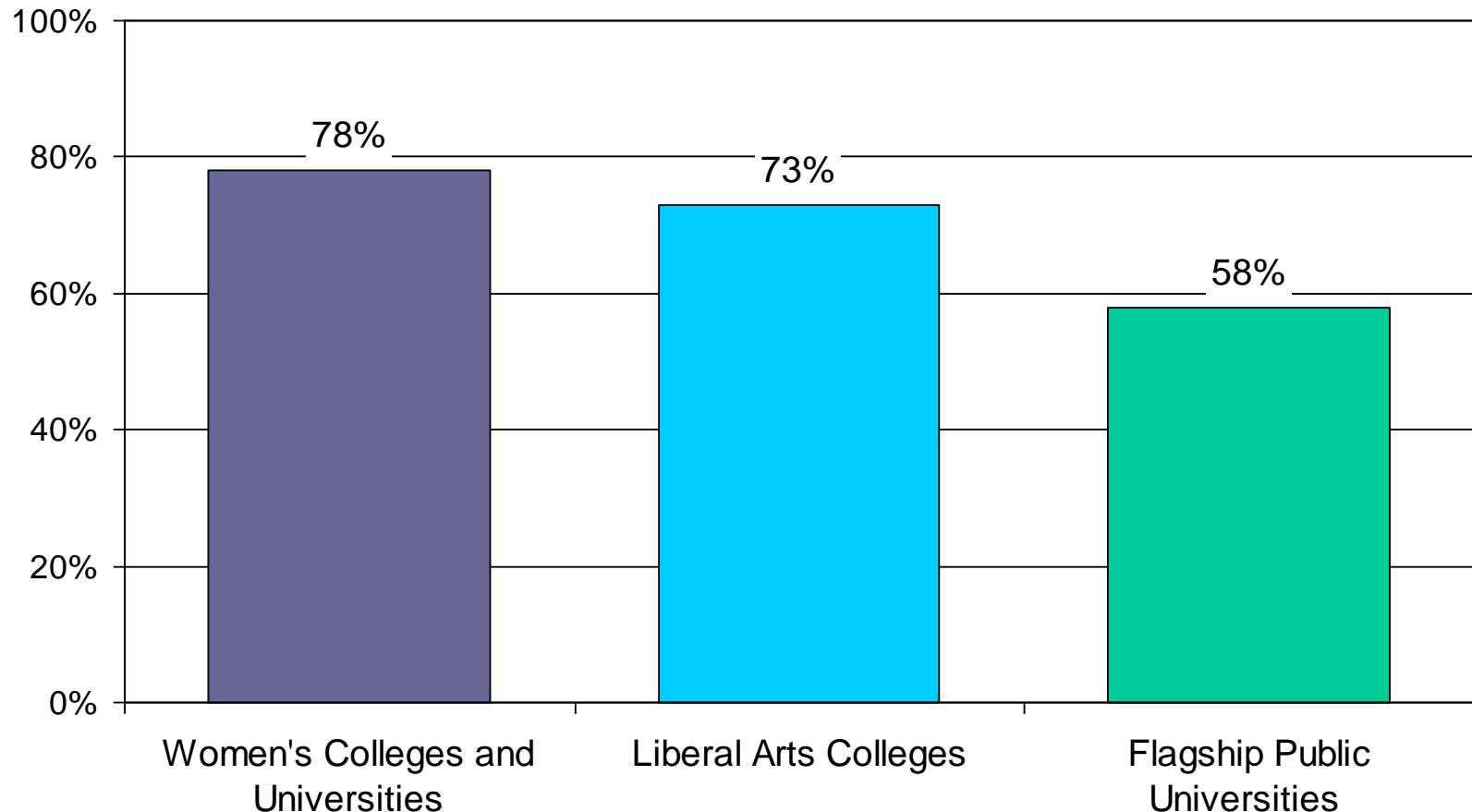
Women's Colleges Alumnae Are More Likely than Flagship Public Universities Alumnae to Agree There Was a Sense of Community Among Students



The Women's Colleges group is significantly higher than the Flagship Public Universities group, and similar to the Liberal Arts Colleges

Q.12 How much do you agree or disagree with the following statement...? (rating a 4 or 5 on a five-point scale, where 1=strongly disagree and 5=strongly agree)

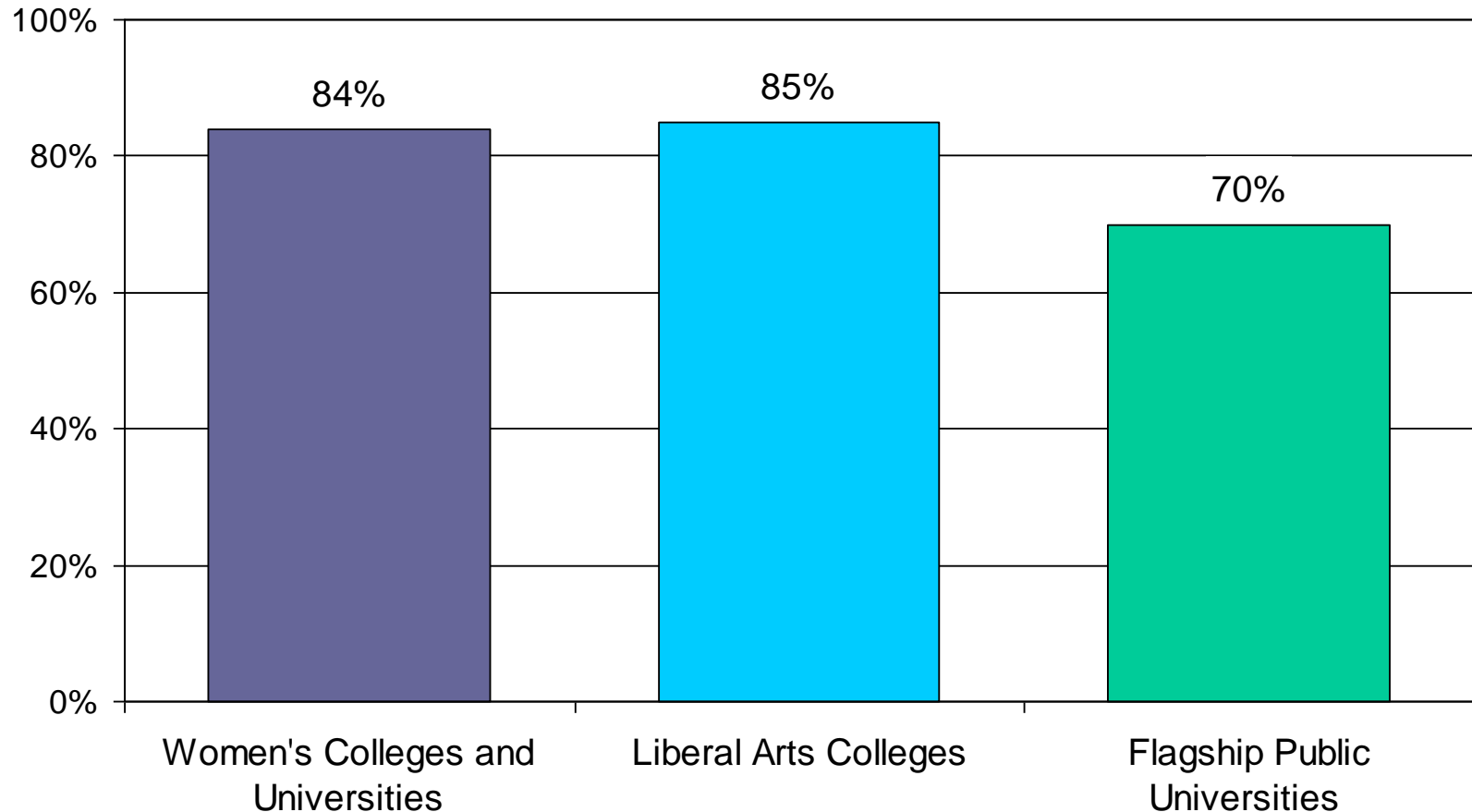
Women's Colleges Alumnae Are More Likely than the Public Universities Alumnae to Say Their Experience Often Included Friendships that Developed from Classroom Experiences



The Women's Colleges group is significantly higher than the Flagship Public Universities group, and similar to the Liberal Arts Colleges group

Q.2 How often did your college experience include the following...? (rating a 4 or 5 on a five-point scale, where 1=never and 5=always)

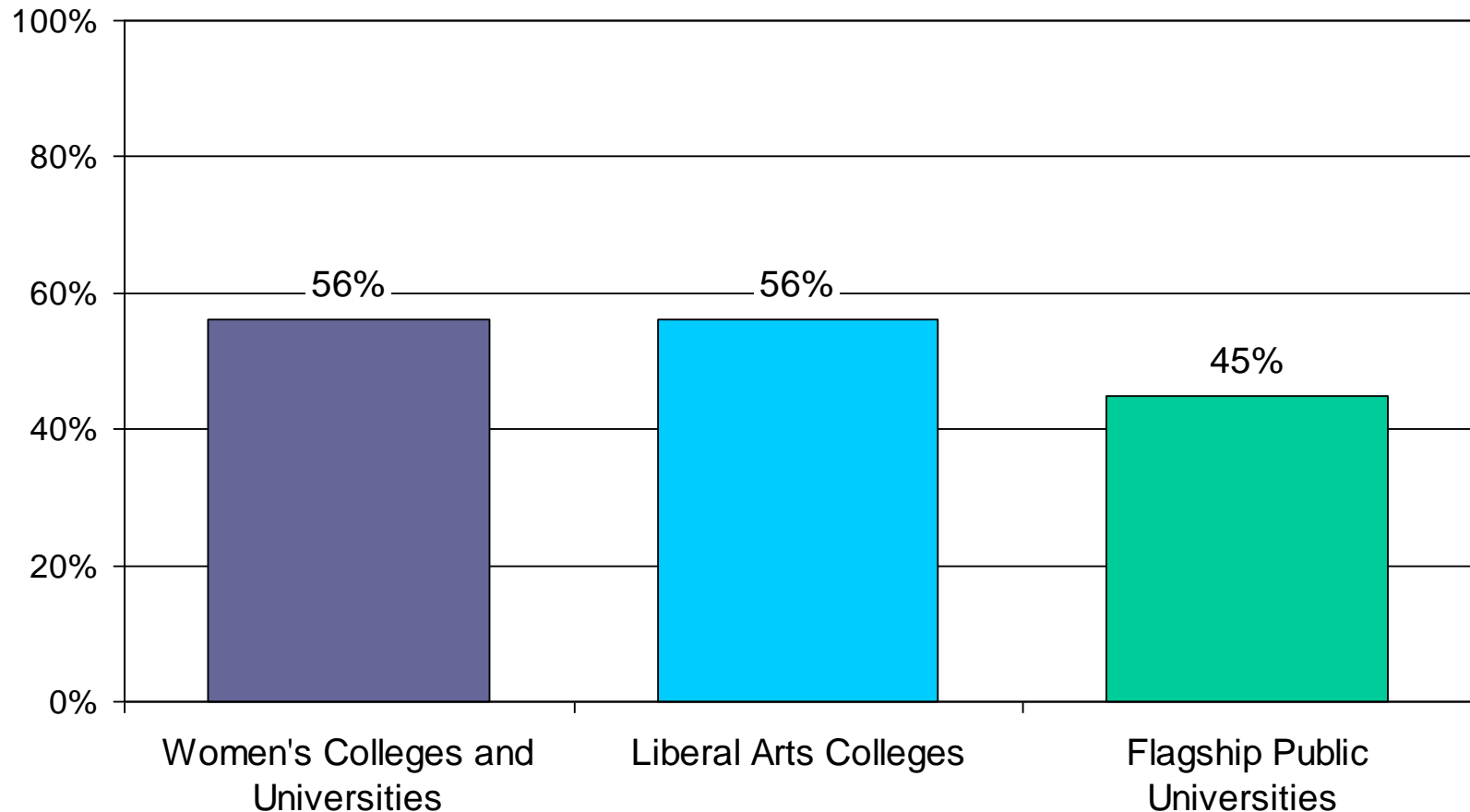
Women's Colleges Alumnae Are More Likely than Flagship Public Universities Graduates to Say Their Experience Often Included Interaction with Other Students with Similar Values



The Women's Colleges group is significantly higher than the Flagship Public Universities group, and similar to Liberal Arts Colleges group

Q.2 How often did your college experience include the following...? (rating a 4 or 5 on a five-point scale, where 1=never and 5=always)

Women's Colleges Alumnae Are More Likely than Public Universities Alumnae to Say They Benefited Very Much from Interaction With Other Students Who Share Their Interests



The Women's Colleges group is similar to the Liberal Arts Colleges, and significantly higher than the Flagship Public Universities group

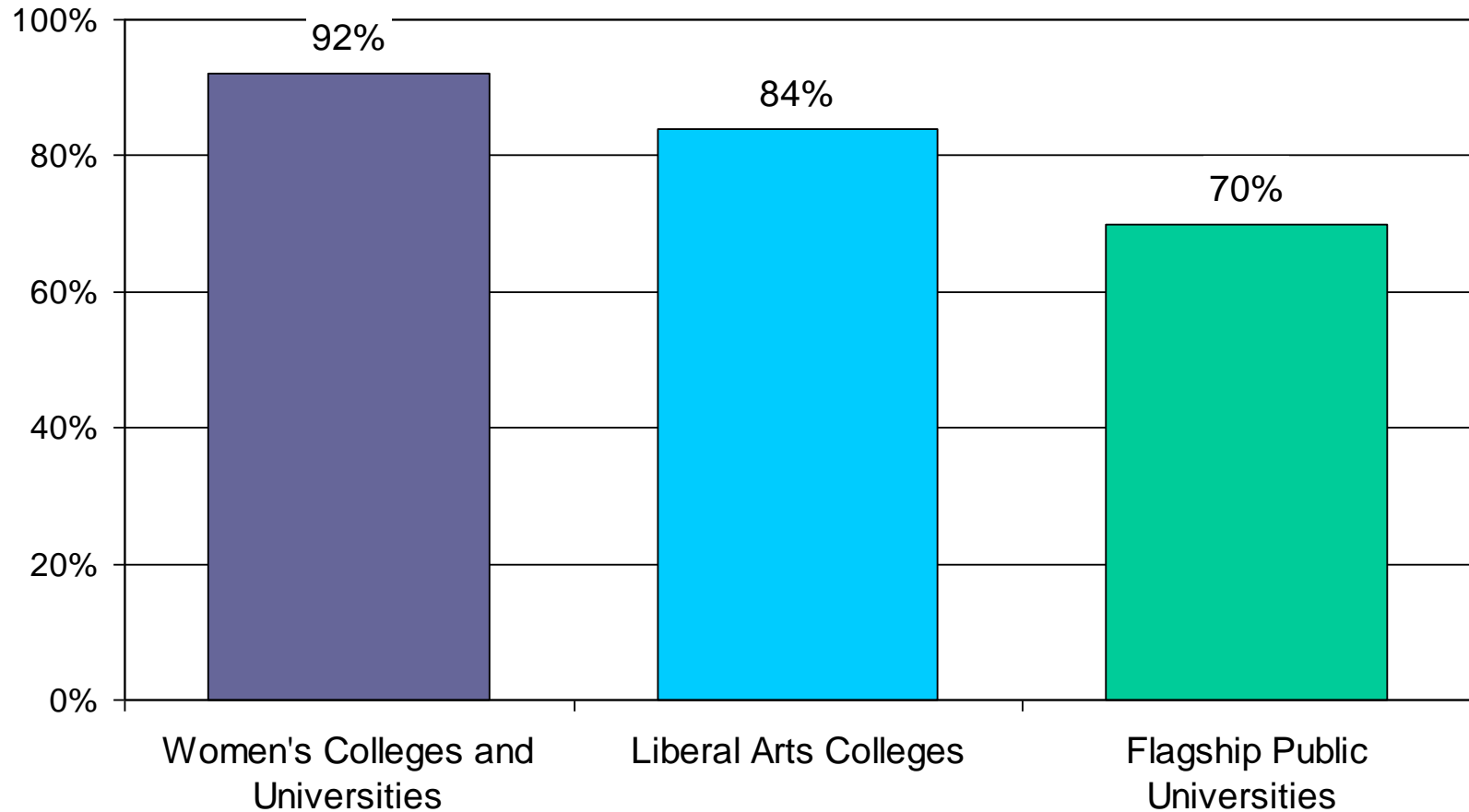
Q.1 Please tell me how much you personally benefited from...? (rating a 5 on a five-point scale, where 1=did not benefit at all and 5=benefited very much)

A women's college education...

Creates leaders, communicators, and persuaders.

Speaking out and speaking up – key components of leadership and civic engagement – are capacities actively developed at women's colleges. Women's college alumnae report more in-class experience with making presentations than their peers at other institutions and are more likely to gain leadership experience in student government and campus media.

Women's Colleges Receive Higher Effectiveness Ratings than All Other Colleges and Universities for Helping Students Develop Self-Confidence and Initiative

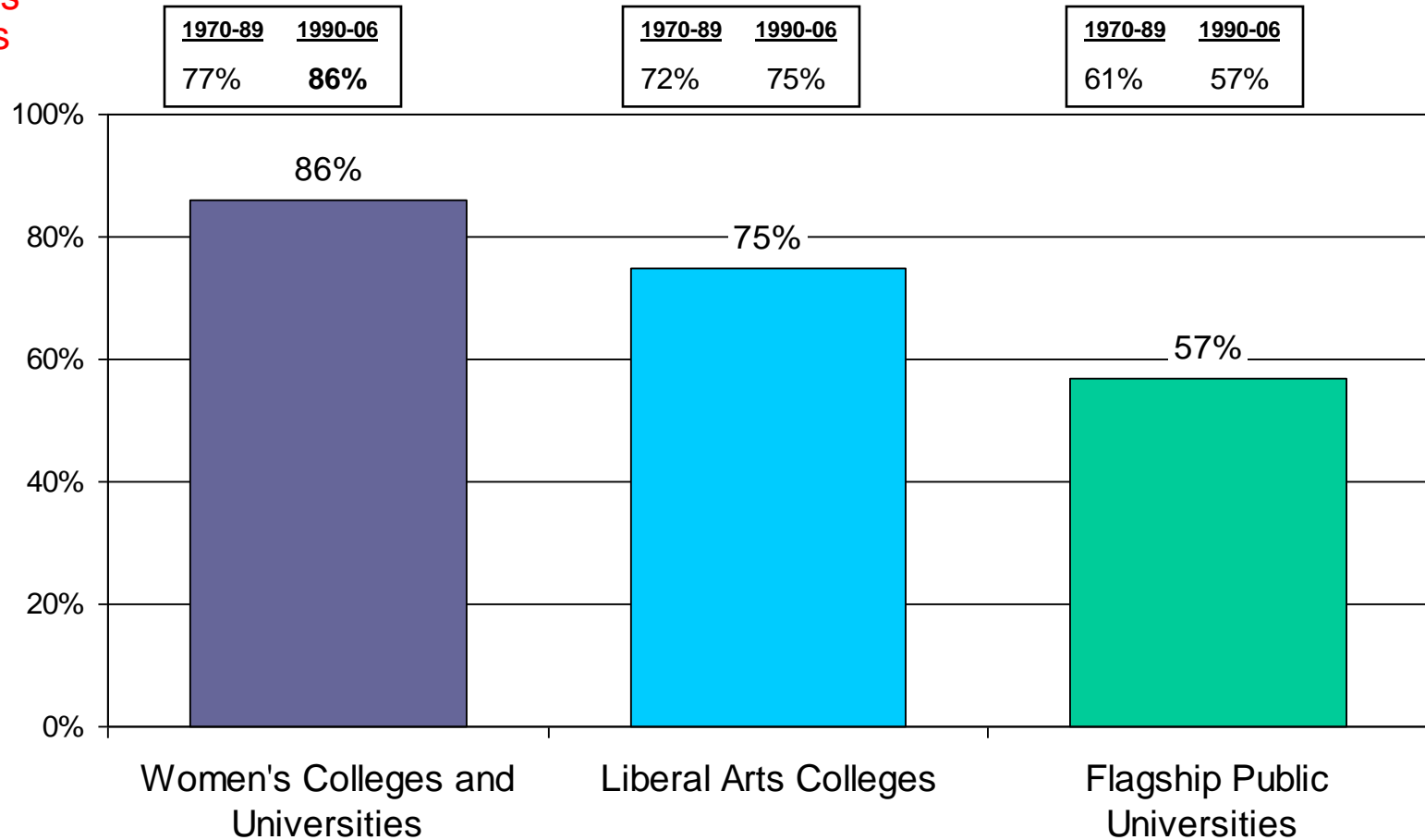


The Women's Colleges group is significantly higher than all other groups

Q.10 How effective was your college in helping you with...? (rating a 4 or 5 on a five-point scale, where 1= not at all effective and 5 = extremely effective)

Women's Colleges Receive Higher Effectiveness Ratings than All Other Colleges and Universities for Helping Students Have a Sense of Purpose in Life

Significant increase for Women's Colleges

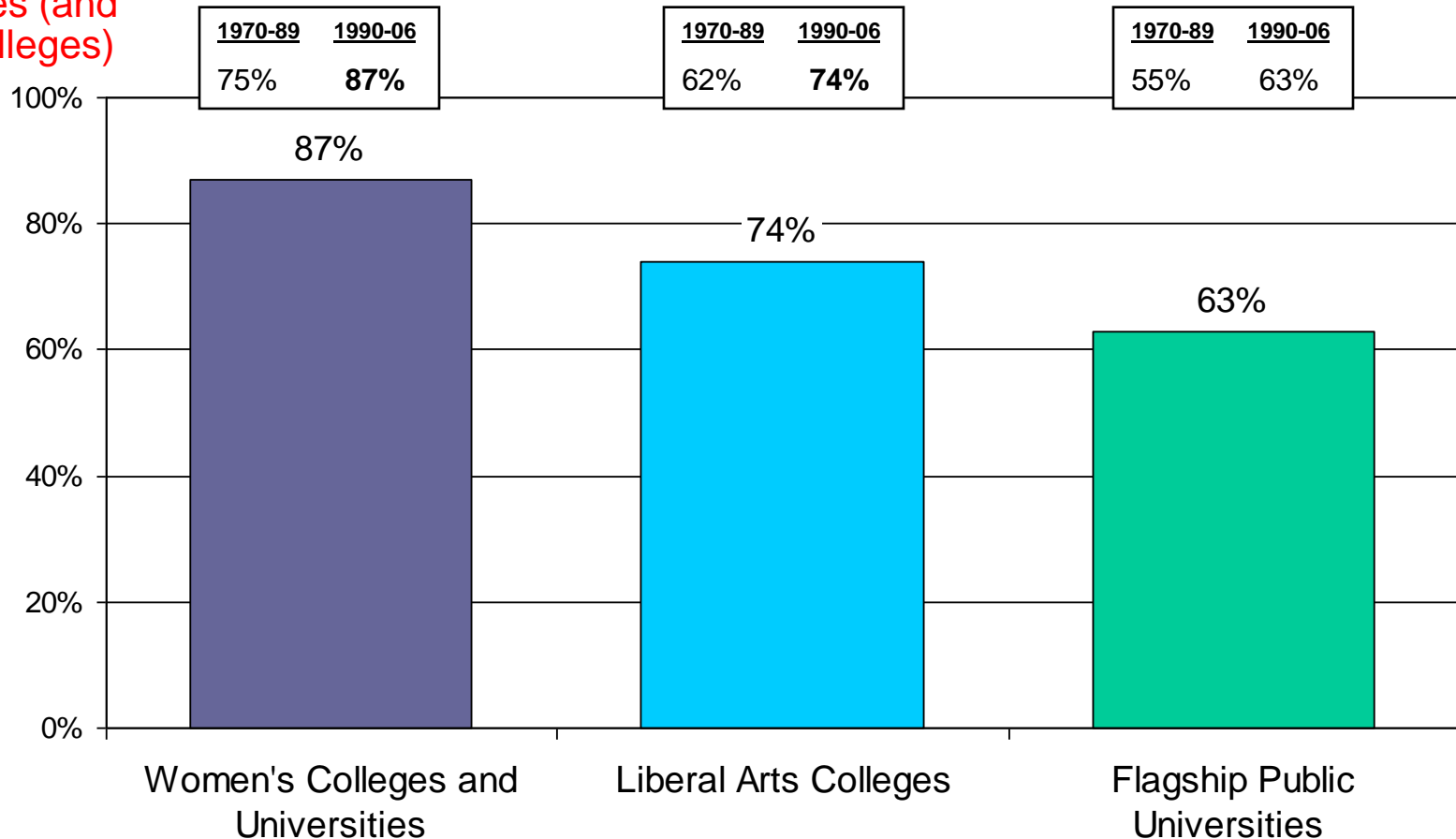


The Women's Colleges group is significantly higher than all other groups

Q.10 How effective was your college in helping you with...? (rating a 4 or 5 on a five-point scale, where 1= not at all effective and 5 = extremely effective)

Women's Colleges Receive Higher Effectiveness Ratings than All Other Colleges and Universities for Helping Students Learn to Be a Leader

Significant increase for Women's Colleges (and L.A. colleges)

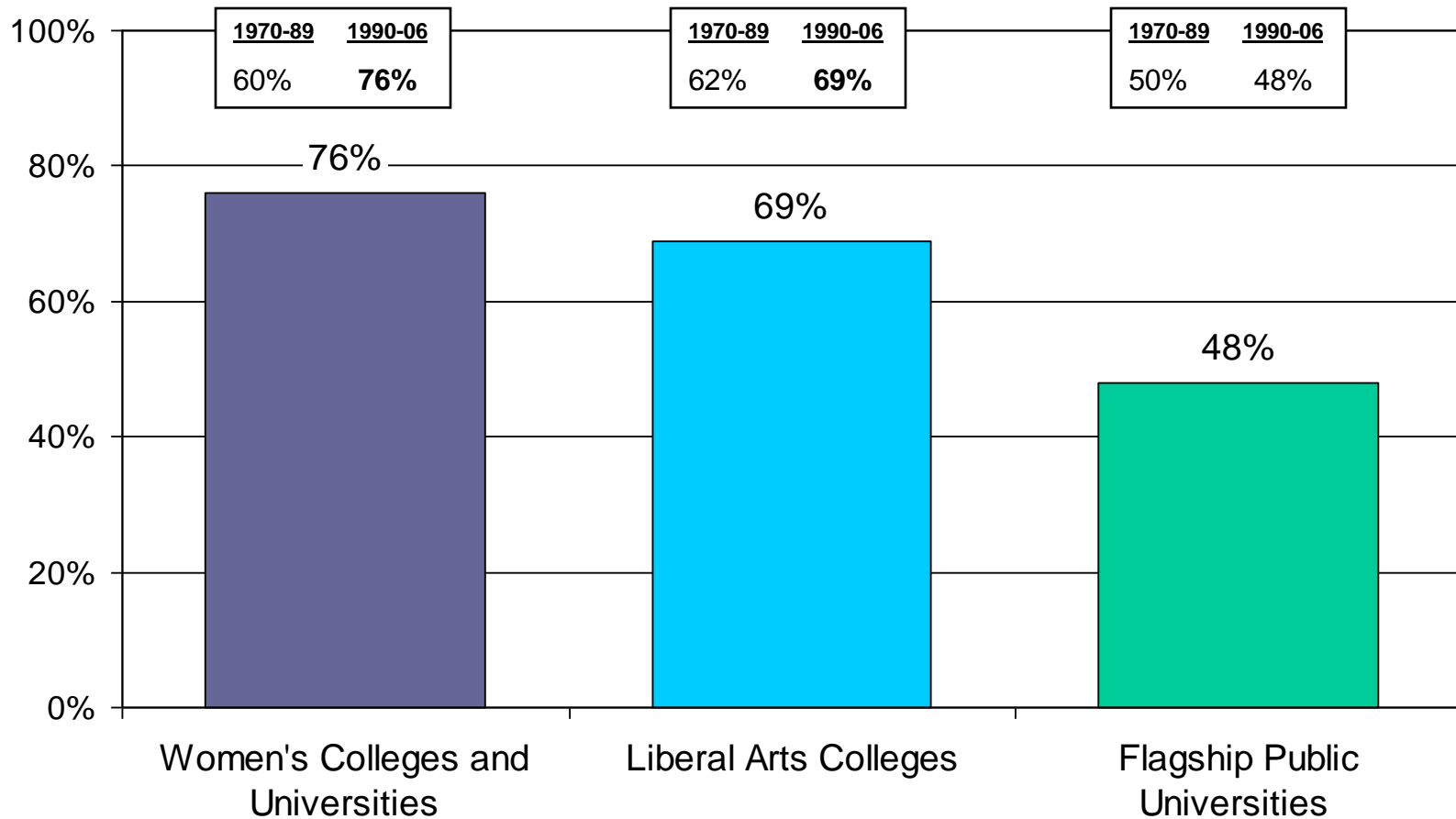


The Women's Colleges group is significantly higher than all other groups

Q.10 How effective was your college in helping you with...? (rating a 4 or 5 on a five-point scale, where 1= not at all effective and 5 = extremely effective)

Significant
increase for
Women's
Colleges (and
L.A. colleges)

Women's Colleges Alumnae Were More Likely than Flagship Public Universities Graduates to Have a Leadership Role in an Extracurricular Activity

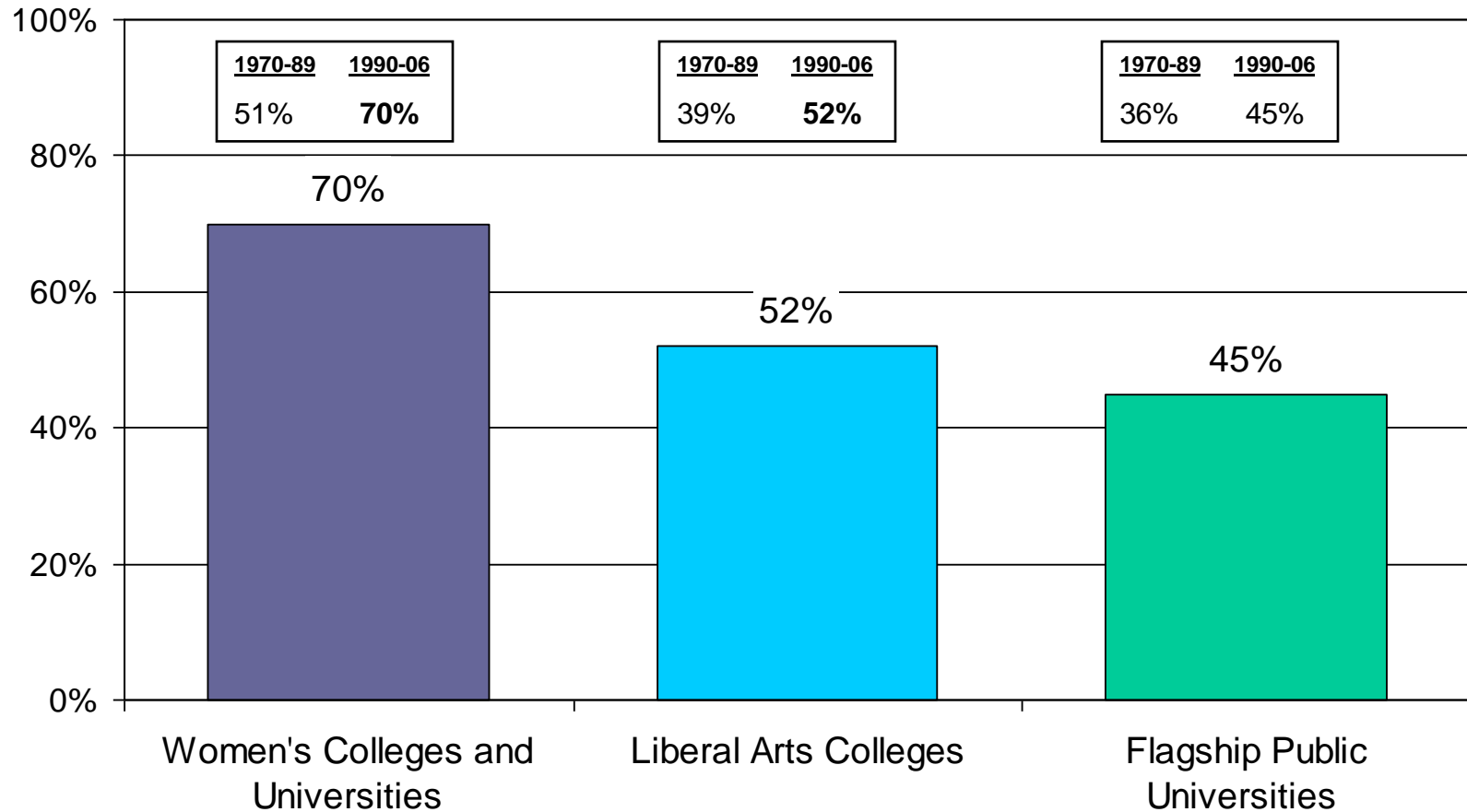


The Women's Colleges group is significantly higher than the Flagship Public Universities group, and similar to the Liberal Arts Colleges group

Q.6B Did you have any leadership roles in ...? (total who had a leadership role)

Women's Colleges Alumnae Are More Likely than All Other Alumnae to Say Their Experience Often Included Student Presentations in Class

Significant increase for Women's Colleges (and L.A. colleges)

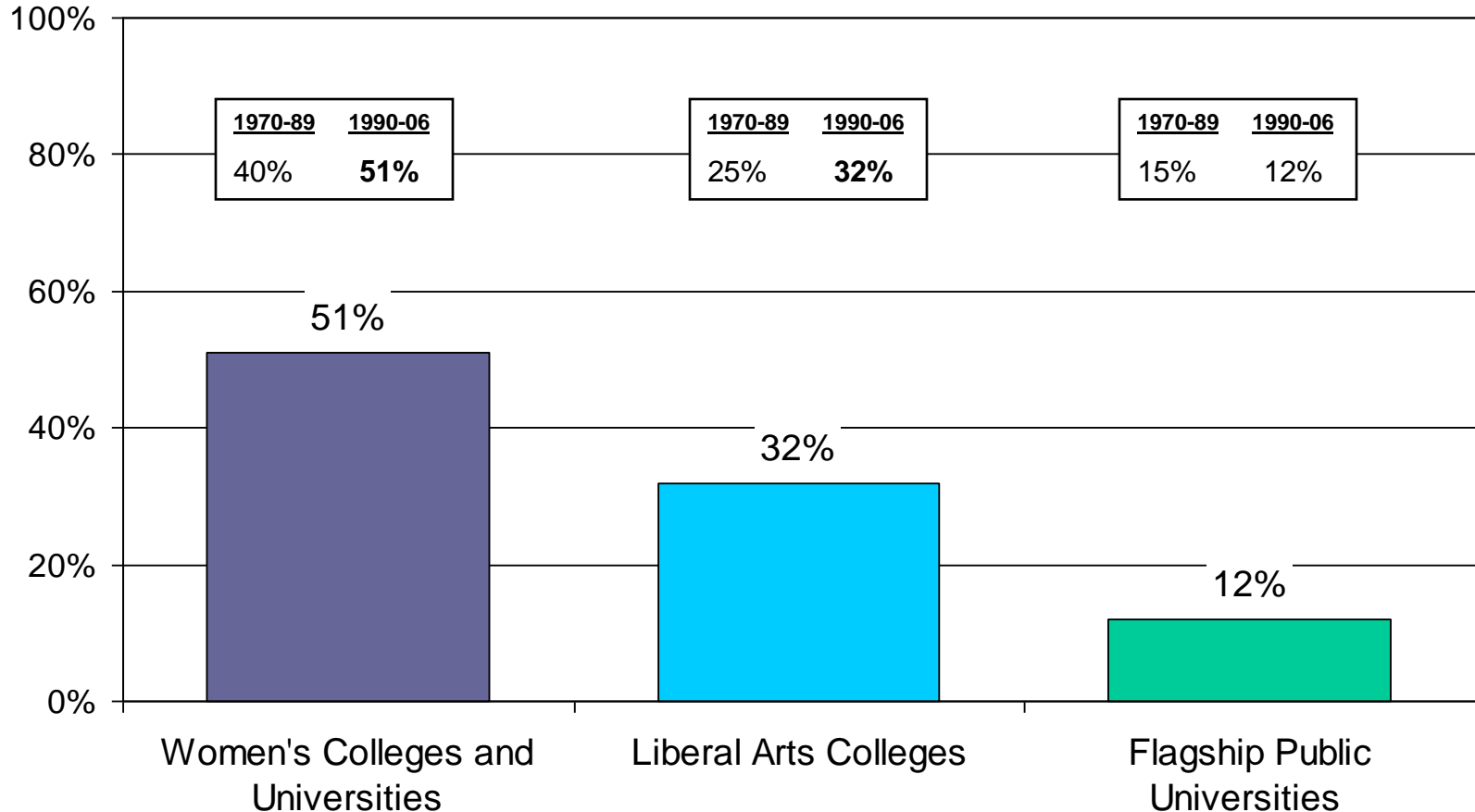


The Women's Colleges group is significantly higher than all other groups

Q.2 How often did your college experience include the following...? (rating a 4 or 5 on a five-point scale, where 1=never and 5=always)

Women's Colleges Alumnae Were More Likely than All Other Graduates to Be Involved in Campus Publications or Student Government

Significant increase for Women's Colleges (and L.A. colleges)

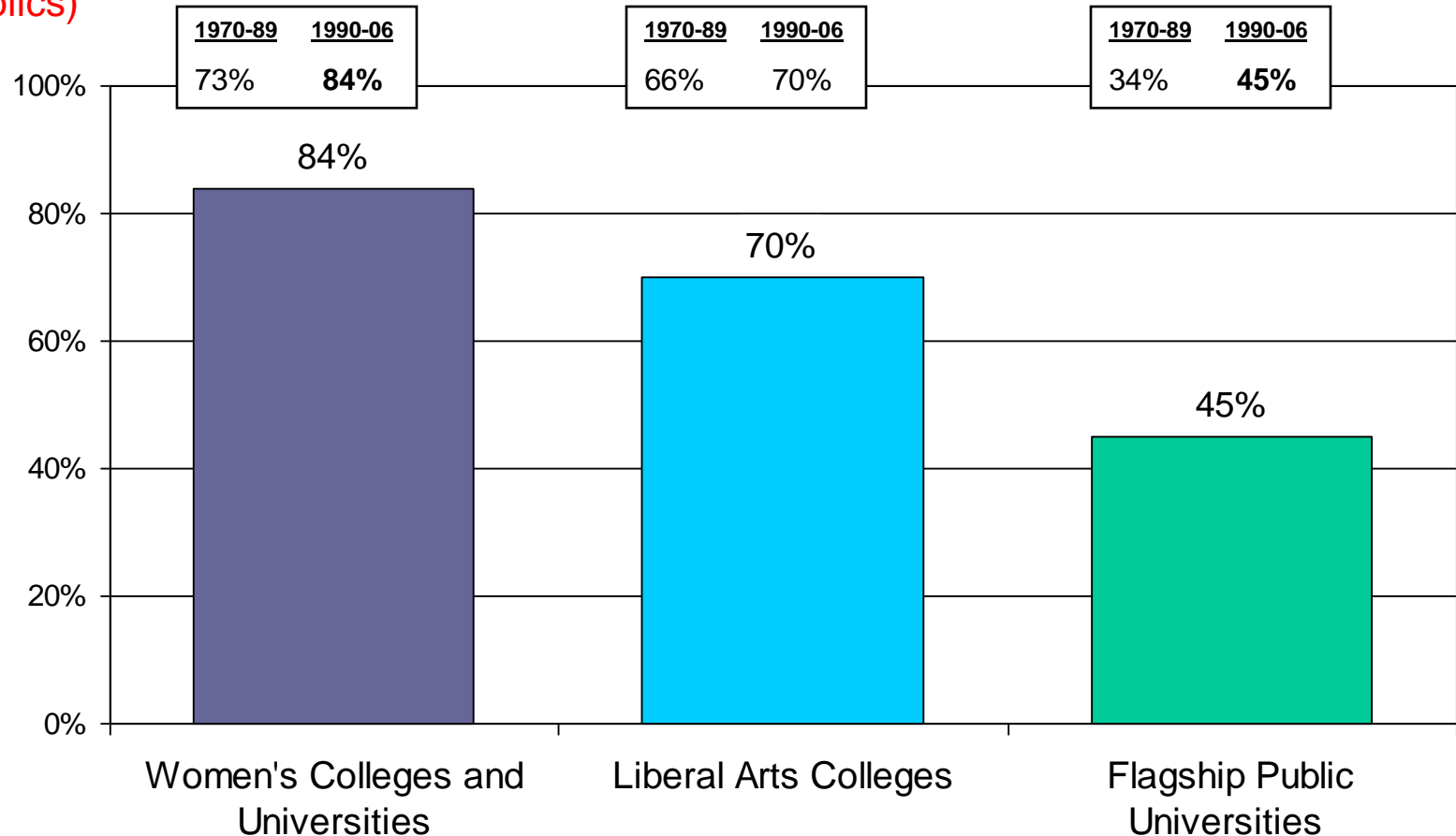


The Women's Colleges group is significantly higher than all other groups

Q.6A Were you involved in any of the following...?

Women's Colleges Receive Higher Effectiveness Ratings than All Other Colleges and Universities for Helping Students Develop Moral Principles That Can Guide Actions

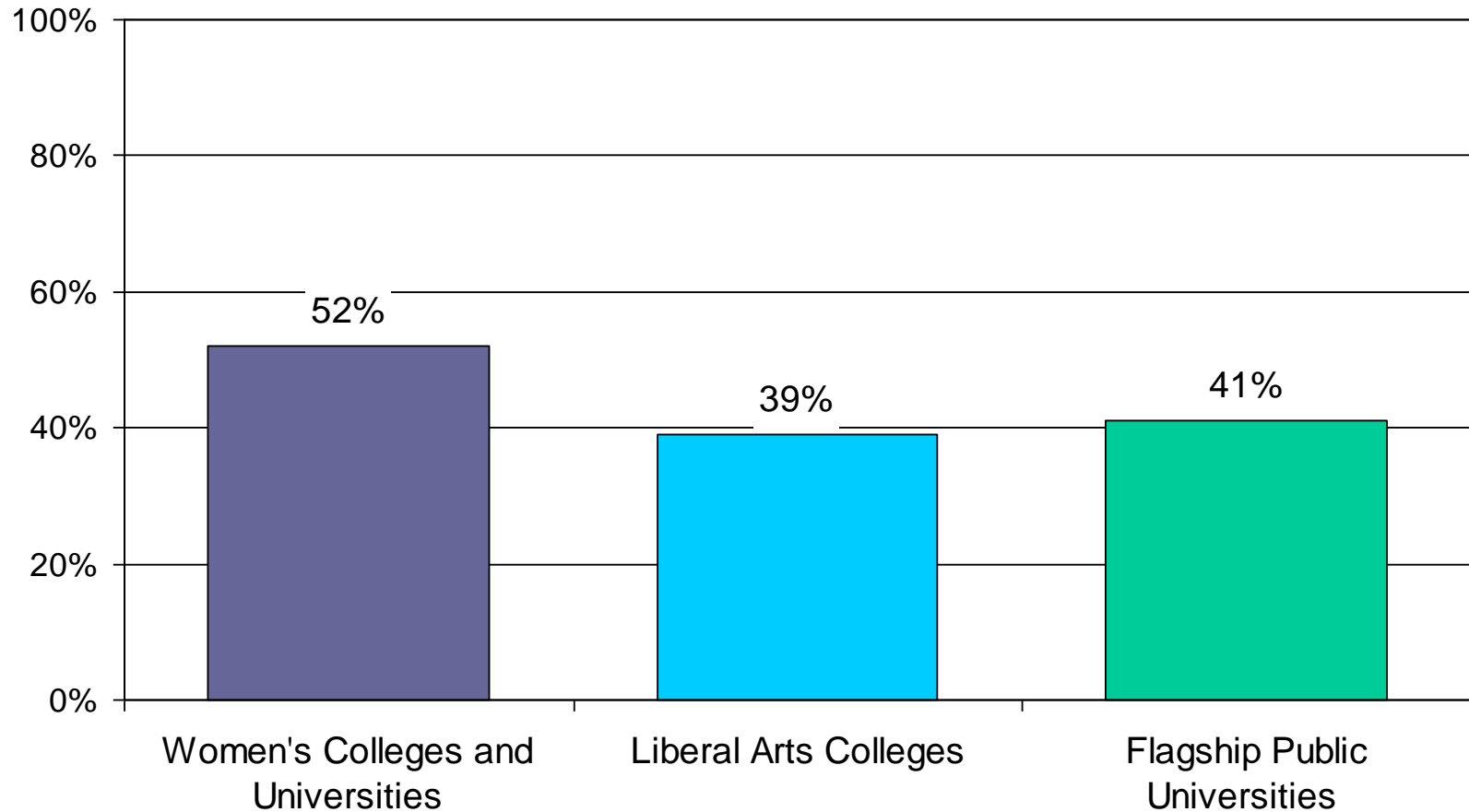
Significant increase for Women's Colleges (and publics)



The Women's Colleges group is significantly higher than all other groups

Q.10 How effective was your college in helping you with...? (rating a 4 or 5 on a five-point scale, where 1= not at all effective and 5 = extremely effective)

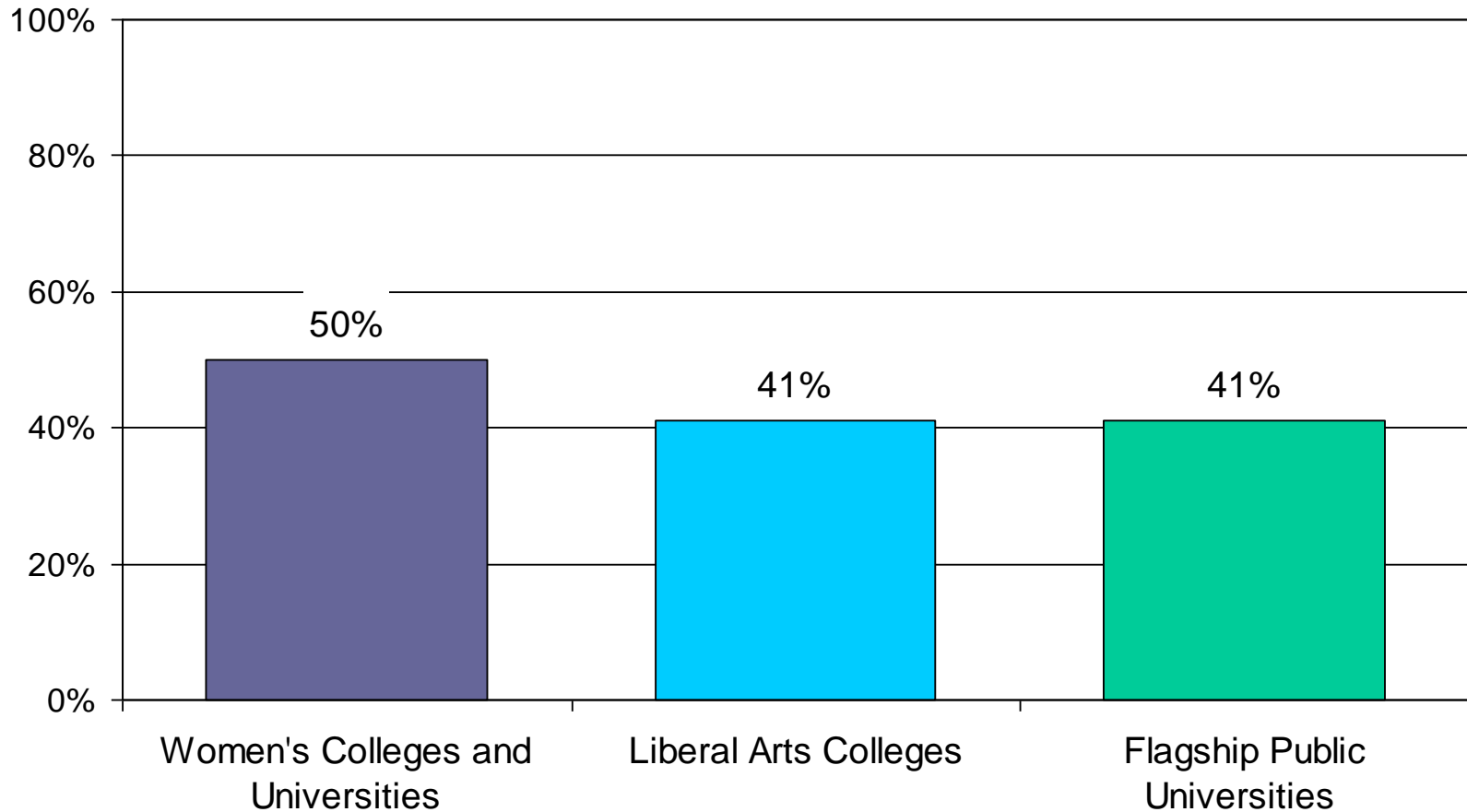
Women's Colleges Alumnae Are More Likely than Other Graduates to Believe it Is Extremely Important to Promote Racial Equality or Other Social Justice Issues



The Women's Colleges group is significantly higher than all other groups

Q.19 How important is (in your current life and career)...? (rating a 5 on a five-point scale, where 1= not at all important and 5 = extremely important)

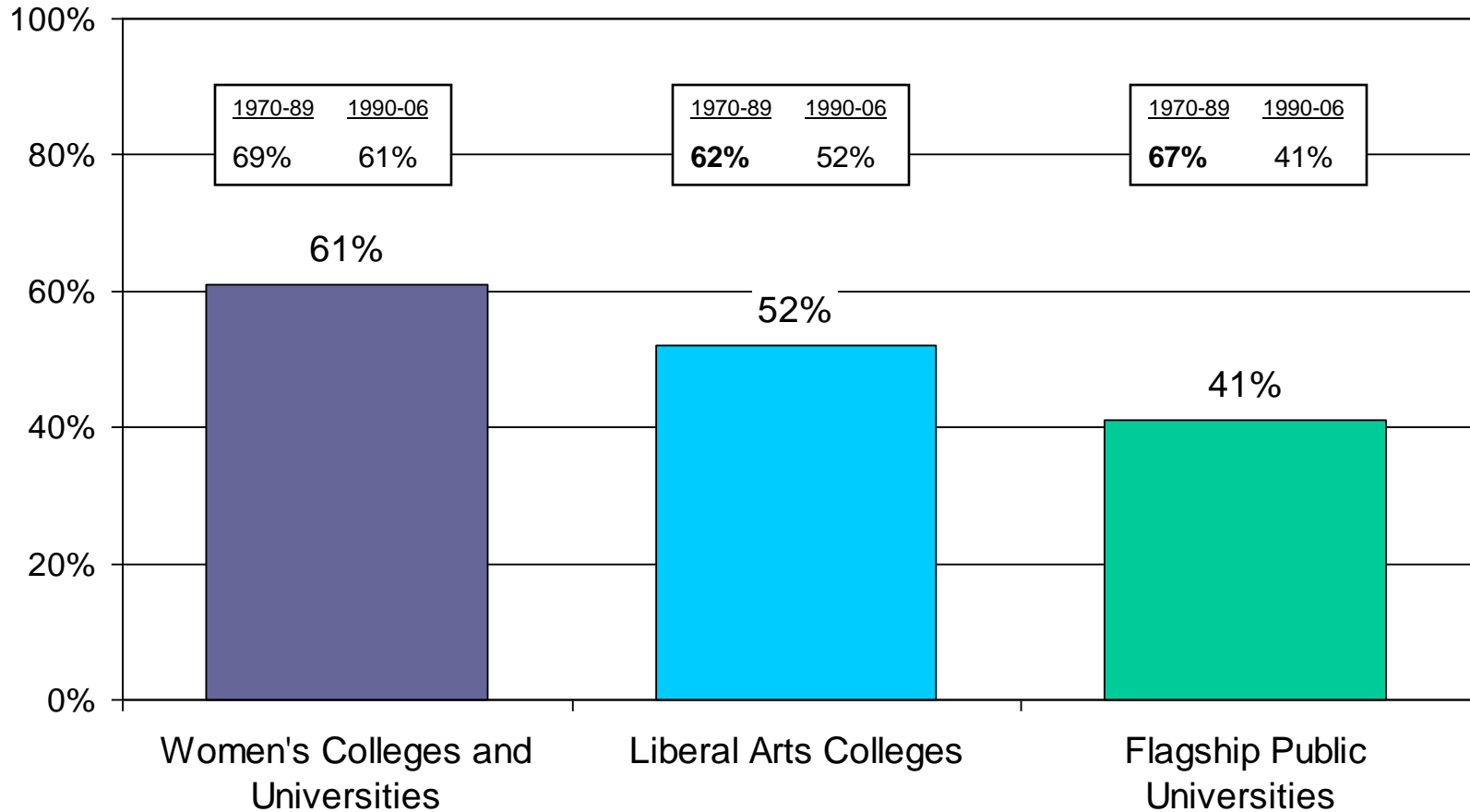
Women's Colleges Alumnae Are More Likely than Other Graduates to Believe it Is Extremely Important to Contribute to Their Community



The Women's Colleges group is significantly higher than the Liberal Arts Colleges; the Flagship Public Universities group is not significant due to sample size

Q.19 How important is (in your current life and career)...? (rating a 5 on a five-point scale, where 1= not at all important and 5 = extremely important)

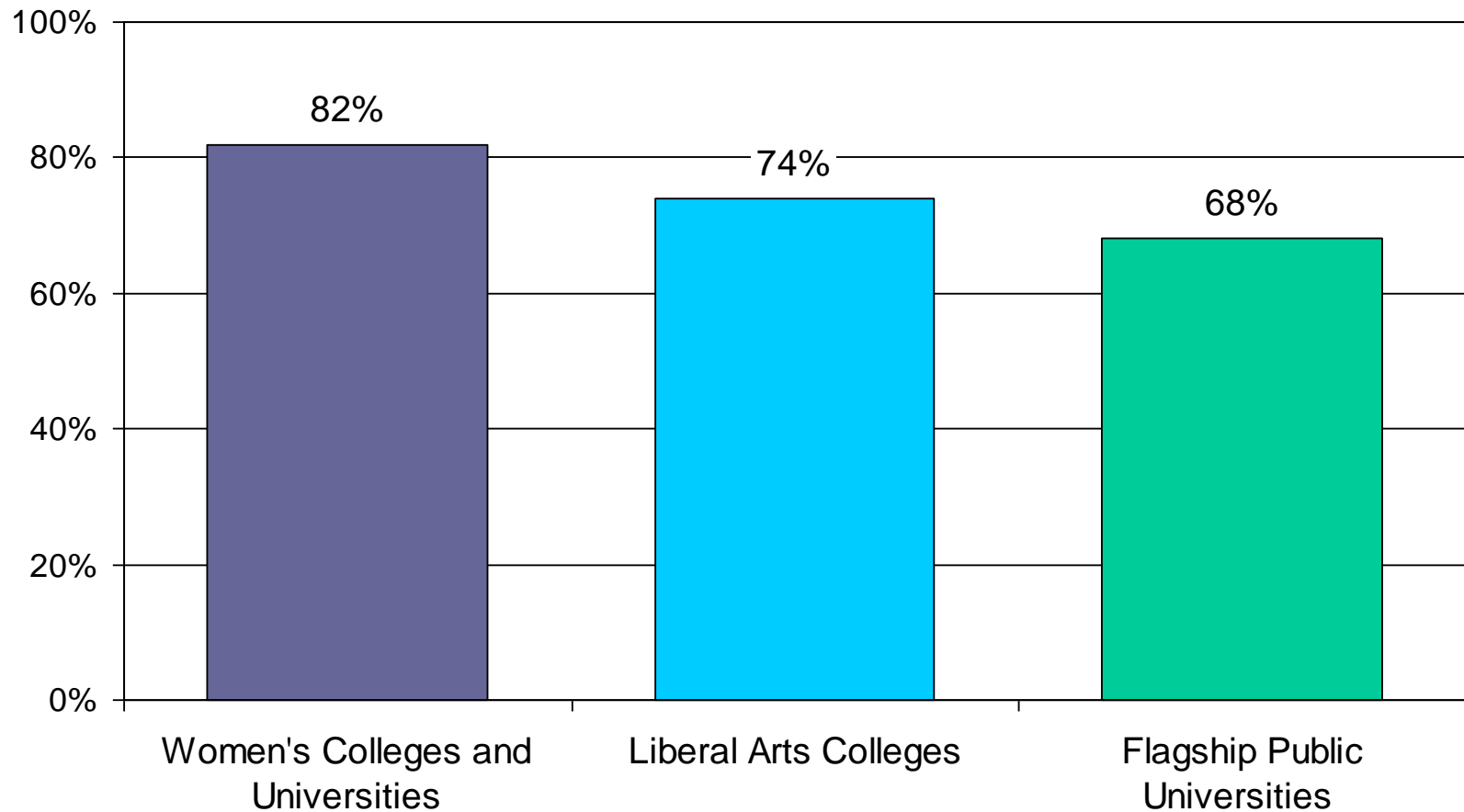
Women's Colleges Alumnae Are More Likely than All Other Graduates to Be Involved with Community Service



The Women's Colleges group is higher than all other groups

Q.20 In the past five years, have you been involved in the volunteer activity...?

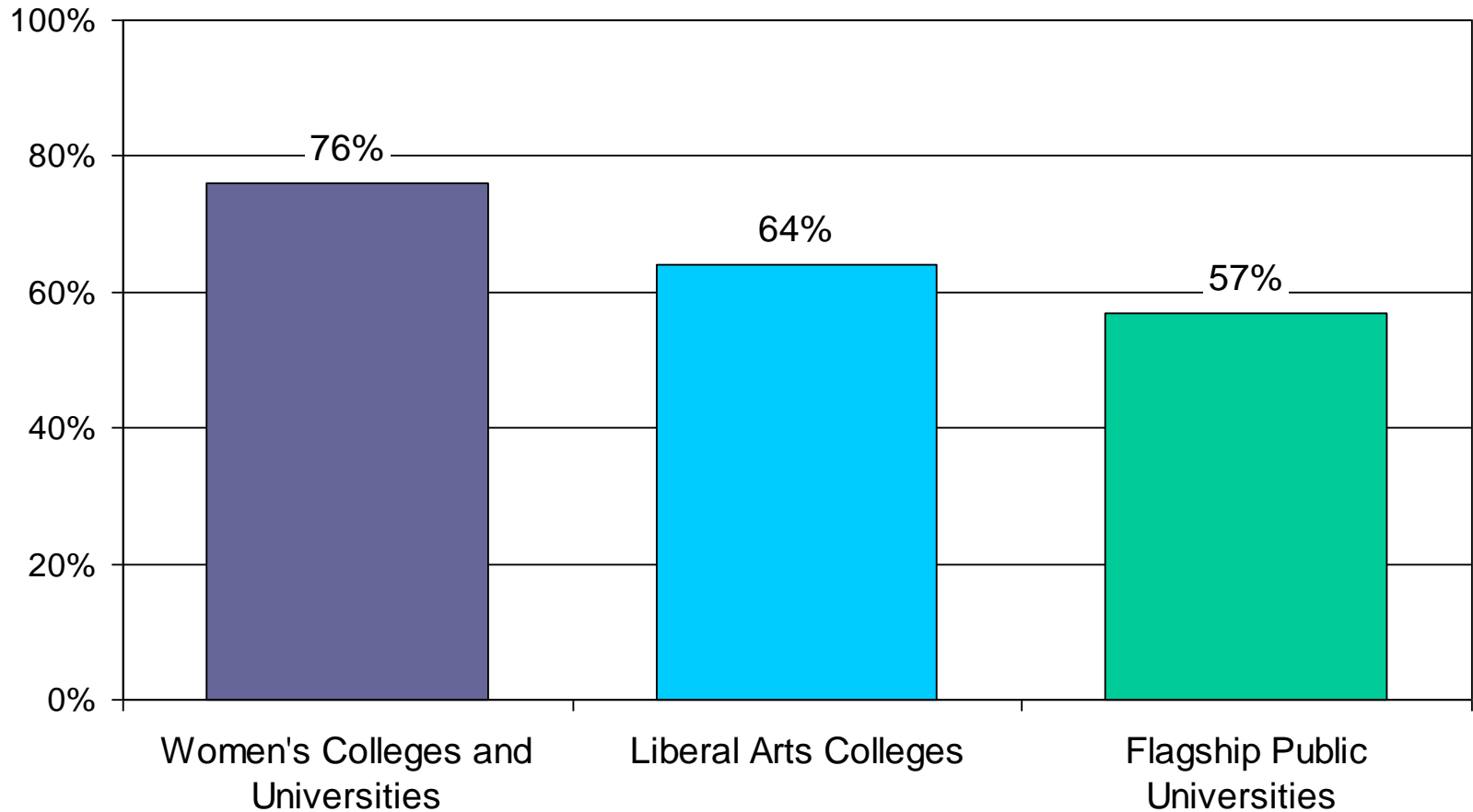
Women's Colleges Alumnae Are More Likely than All Other Graduates to Be Involved with Foundations or Non-Profit Community Organizations



The Women's Colleges group is significantly higher than all other groups

Q.20 In the past five years, have you been involved in the volunteer activity...?

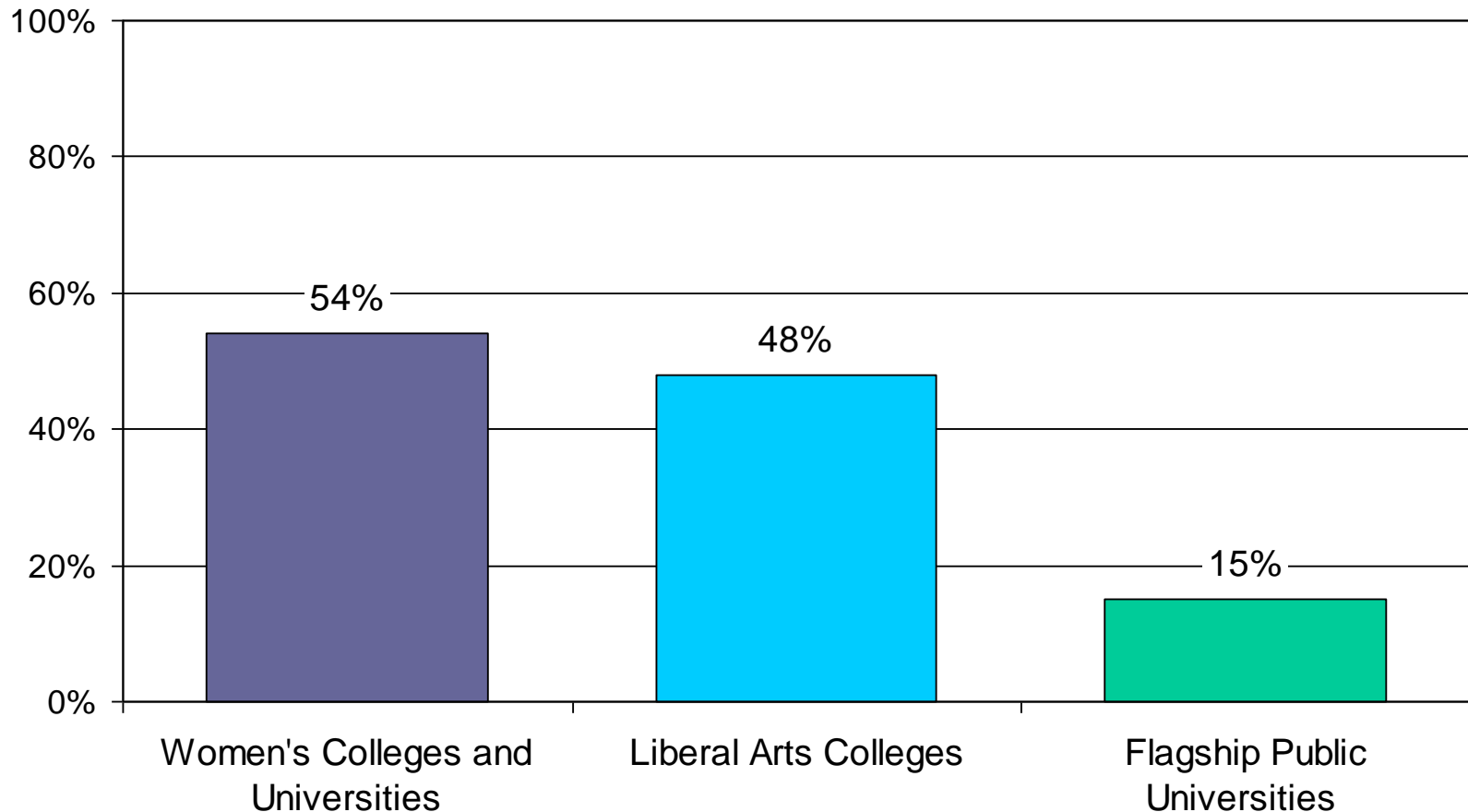
Women's Colleges Alumnae Are More Likely than Other Alumnae to Financially Support Foundations or Non-Profit Community Organizations



The Women's Colleges group is significantly higher than all other groups

Q.20 Have you financially supported (organization) within the past five years?

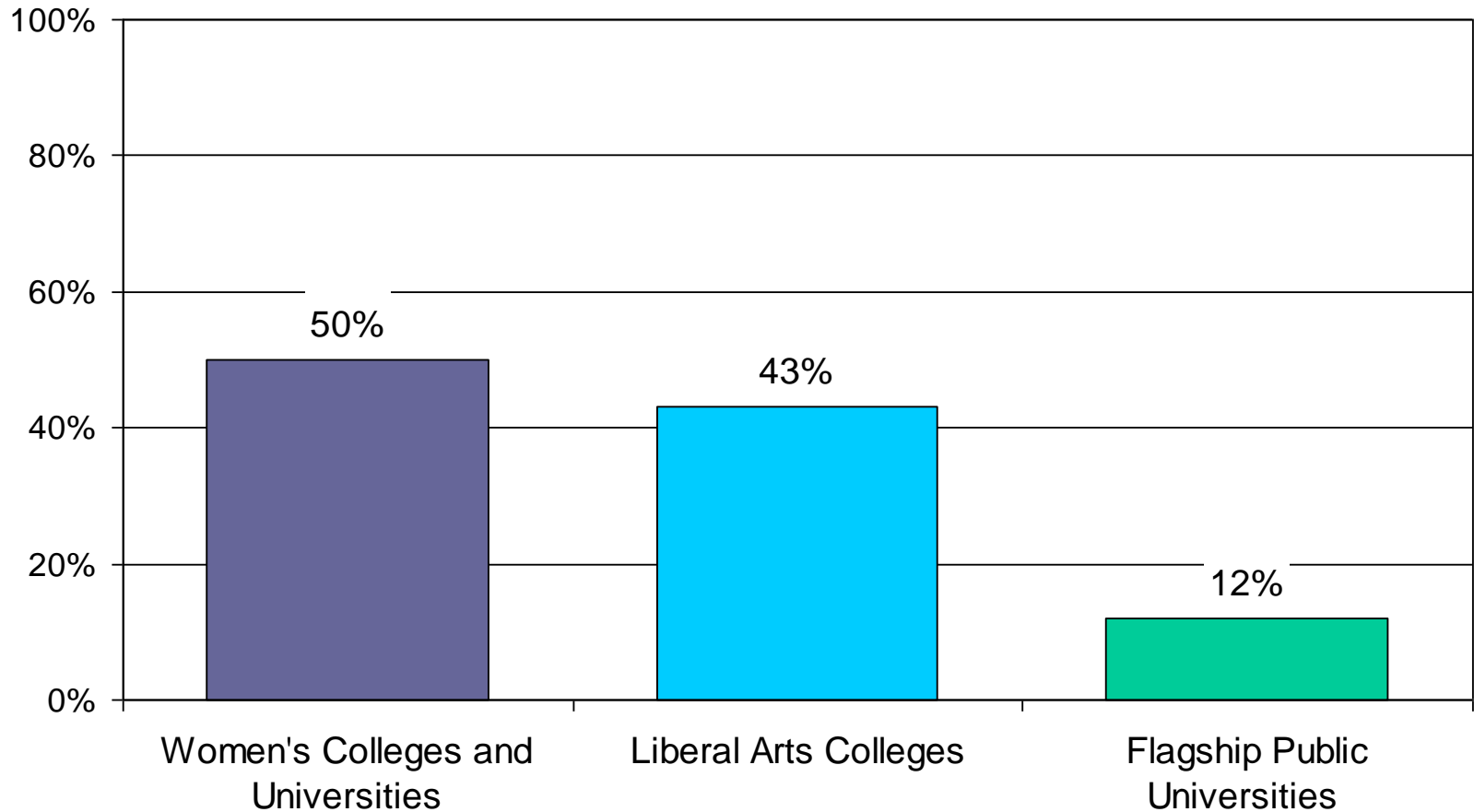
Women's Colleges Alumnae Are More Likely than Public Universities Graduates to Be Involved with Their Undergraduate College or University



The Women's Colleges group is significantly higher than the Flagship Public Universities group, and similar to Liberal Arts Colleges group

Q.20 In the past five years, have you been involved in the volunteer activity...?

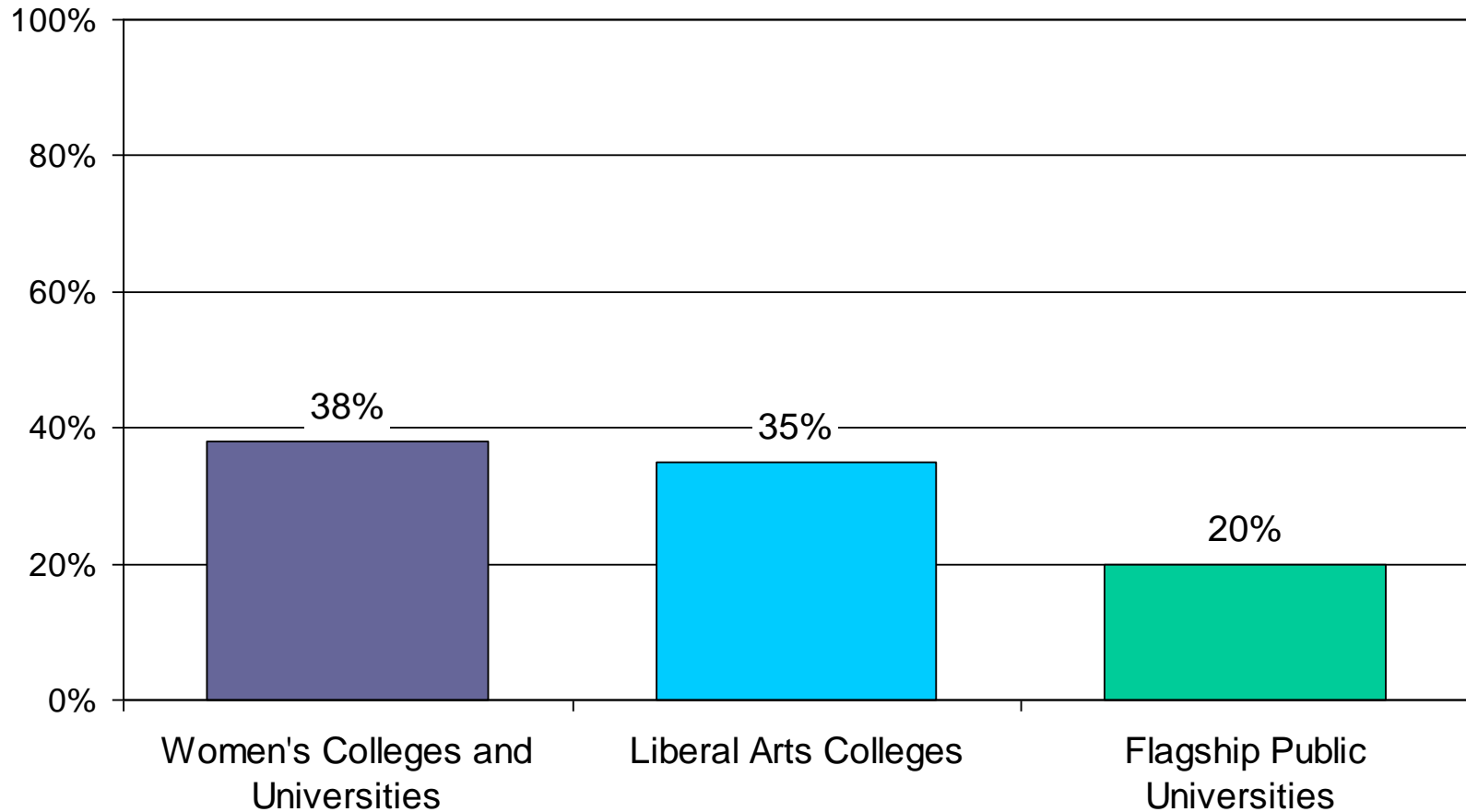
The Women's Colleges Alumnae Are More Likely than Other Graduates to Financially Support Their Undergraduate College or University



The Women's Colleges group is significantly higher than the Flagship Public Universities group, and similar to Liberal Arts Colleges group

Q.20 Have you financially supported (organization) within the past five years?

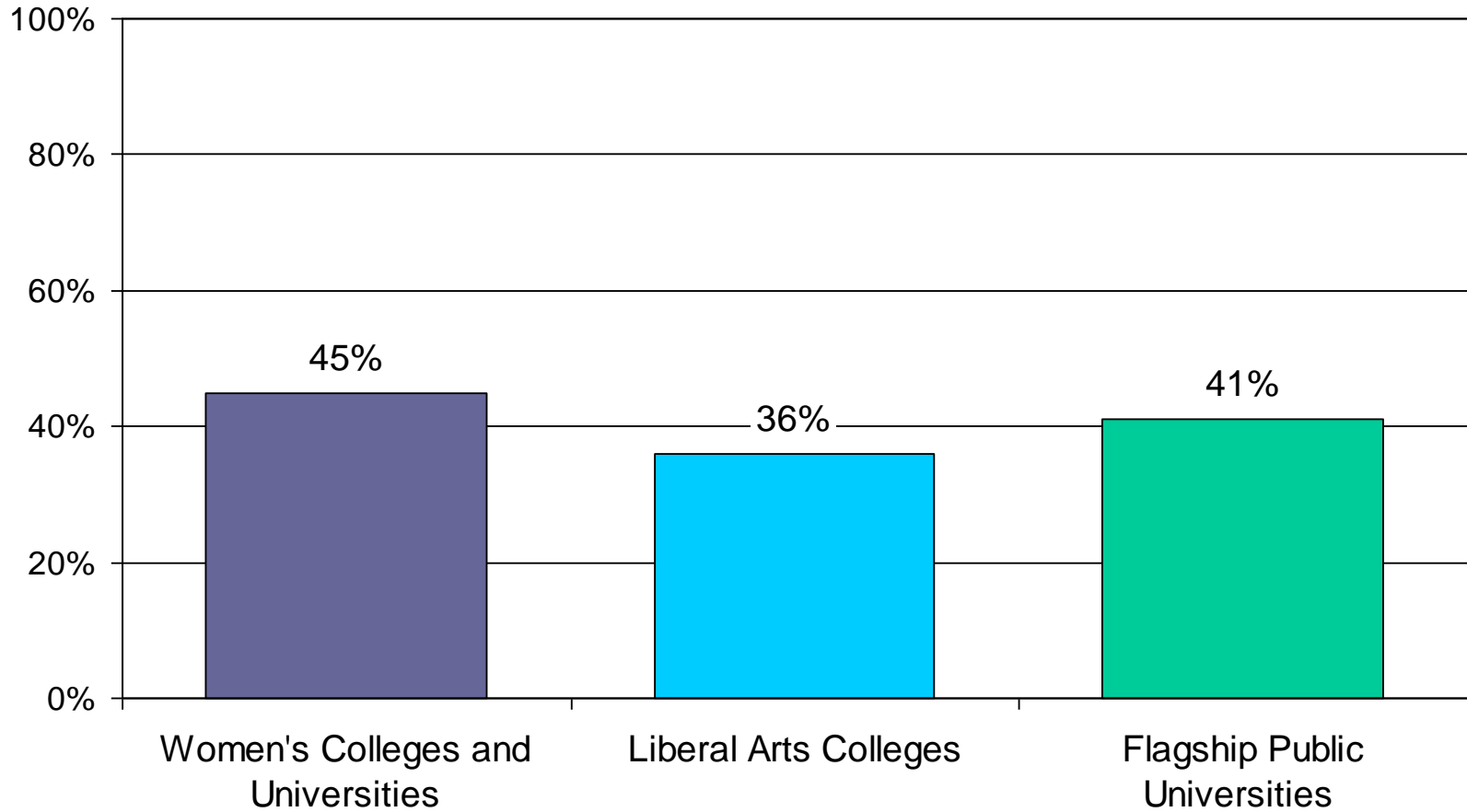
Women's Colleges Alumnae Are More Likely than Flagship Public Universities Graduates to Agree Their College Helped Them to Integrate Faith Into Other Aspects of Their Lives



The Women's Colleges group is significantly higher than the Flagship Public Universities group, and similar to the Liberal Arts Colleges group

Q.12 How much do you agree or disagree with the following statement...? (rating a 4 or 5 on a five-point scale, where 1=strongly disagree and 5=strongly agree)

Women's Colleges Alumnae Are as Likely as Other Graduates to Believe it Is Extremely Important to Integrate Faith or Spirituality in Their Lives



There are no significant differences

Q.19 How important is (in your current life and career)...? (rating a 5 on a five-point scale, where 1= not at all important and 5 = extremely important)

Questions? Observations?

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