

Report: Enrolling Student Survey Undergraduates, Fall 2007

November 2007

Office of Institutional Research and Planning
New Jersey Institute of Technology

Executive Summary

The Enrolling Student survey for Fall 2007 was revised for deployment via the web. The survey instrument consisted of 45 questions concerning their goals, enrollment decisions, comparisons to other colleges and commitment to finishing their degree. Tables and graphics summarizing the results are attached. Undergraduate students are attracted to NJIT mainly because it is a good value for their money. Highlights of the findings include:

Goals

- NJIT students are focused on career and pecuniary goals. The top three goals are: *prepare for a career, attain skills that will be useful on a job, and improve ability to make more money.*
- Women reported significantly higher mean scores on *improve interpersonal skills and increase awareness of different philosophies, cultures and way of life.*

Enrollment

- *Reasonable cost, NJIT's academic reputation and availability of financial aid* are the main drivers of student's enrollment decision.
- *Academic facilities, Honor College, size of student population, diversity of student population, and extra-curricular activities* are statistically significant drivers for women's decisions to attend when compared to that of men.
- *Relatives, friends or acquaintances, internet, college visit, high school teachers, principals or staff and guidance counselor* are the top five sources of learning about NJIT.
- A *campus visit/information session* (34%) and *attendance of an open house* (19%) were the factors that most influenced students' decision to apply. Thirty-eight percent of women reported that a *campus visit/information session* most influenced their decision to apply compared to only 33 percent of men. *Campus visit/information session* (36%) had the most influence on their decision to attend NJIT.
- Three quarters of the of students visited the campus before making the decision to enroll. Parents were the strongest influence on the student's decision to apply (42%) and to attend (49%) NJIT.

Comparison to Other Colleges

- NJIT was the first choice for 61% of the students. Overwhelmingly, our major competitor is Rutgers University. Nine percent of the sample reported Rutgers as their first choice.
- In comparison to other colleges, NJIT was rated 3.38 or higher on all factors except visit by admission staff to your school.
- In comparison to other colleges (external and internal), NJSOA is rated highly in contact after you were admitted, contact after first inquiry, and contact with current students. SLA is also rated highly in contact after being admitted and contact with current students. (see p. 28).

Academic Situation

- First generation college students comprised 43% of the respondents.
- Twenty-seven percent of the students reported that they were not placed in the appropriate level mathematics course. Ninety-three percent were placed lower than they expected.
- Eighteen percent of the students reported that they were not placed in the appropriate level english course. Ninety-one percent were placed lower than they expected.

Commitment

- Seventy-one percent are very strongly committed to finishing their degree.
- Fifty-three percent intend to attain a Masters degree and twenty-six percent earn a doctorate degree.

Recommendations

- NJIT should emphasize that it offers good education at a reasonable cost and concentrate on enhancing our internet presence.
- All colleges need to make there website more attractive to prospective students. (see p. 28)

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Procedures and Sample

All FTFTF students were extracted from the official SURE enrollment file for participation in the sample. This allows us to track the progress of the cohort through their academic career at NJIT. In addition, the web system is now in place to better serve the anticipated structural change of delivering freshman seminar by college/program. An email invitation and reminder emails were sent to all first-time, full-time freshmen (FTFTF). The survey instrument consisted of 45 questions concerning their goals, enrollment decision, comparisons to other colleges, commitment to finishing their degree and on the placement exams for mathematics and english. A sample size of 414 students was achieved, representing 56% of FTFTF).

The summary of student demographics is shown in Figure 1.

Figure 1: Description of Sample

1. Sample size, by school

	n	% of total	Actual n	% of total
New Jersey School of Architecture	56	13.5%	119	16.3%
College of Computing Sciences	74	17.9%	108	14.8%
College of Science and Liberal Arts	62	51.0%	109	48.8%
Newark College of Engineering	211	15.0%	357	14.9%
School of Management	11	2.6%	38	5.2%
Total	414	100%	731	100%
Albert Dorman Honors College	86	20.8%	129	17.6%

2. Enrollment status

All surveyed respondents are full-time day students (100.0%).

3. Gender

	n	% of total	Actual n	% of total
Male	338	81.6%	583	79.8%
Female	76	18.4%	148	20.2%
Total	414	100%	731	100%

4. Ethnicity

	n	% of total	Actual n	% of total
White, non-Hispanic	173	41.8%	305	41.7%
Asian/Pacific Islander	108	26.1%	176	24.1%
Hispanic	80	19.3%	135	18.5%
Black, non-Hispanic	33	8.0%	73	10.0%
American Indian or Alaskan Native	5	1.2%	10	1.3%
Declined to state/no response	15	3.6%	32	4.4%
Total	414	100%	731	100%

5. Citizenship

U.S. citizen or permanent resident
Not a U.S. citizen or permanent resident
Total

n	% of total	Actual n	% of total
388	94%	694	95%
26	6%	37	5%
414	100%	731	100%

6. E.O.P. program enrollment

Yes
No

Total

n	% of total	Actual n	% of total
62	15%	125	20%
352	85%	606	80%
414	100%	731	100%

7. Living on campus

Resident
Commuter

Total

n	% of total	Actual n	% of total
228	55%	408	56%
186	45%	323	44%
414	100%	731	100%

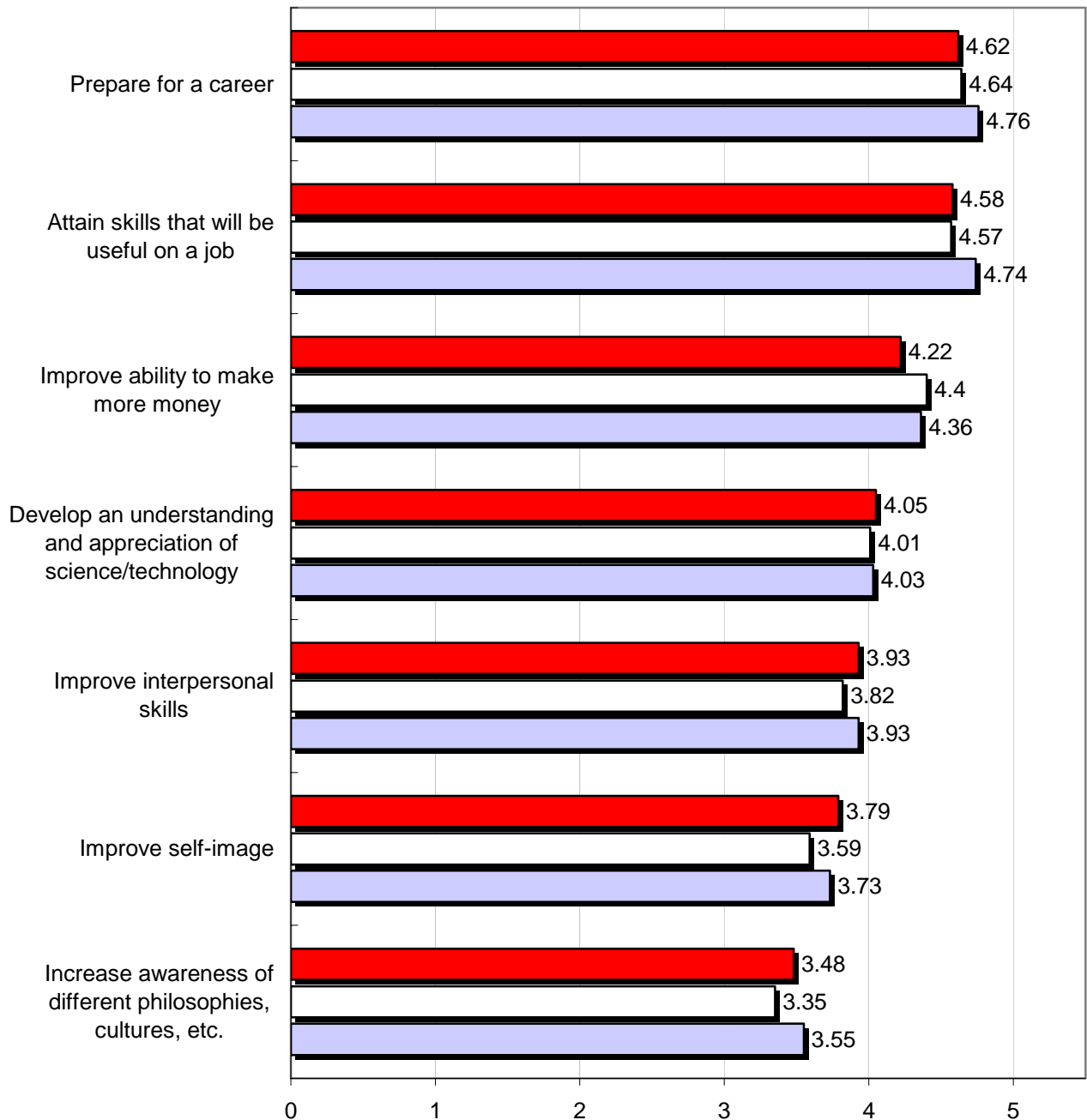
8. Department/program

APPH
Architecture
Biology
Bioinformatics
Biomedical engineering
Civil engineering
Civil engineering technology
Chemical engineering
Chemistry
CIMT
Computer engineering
Communications
Computer science
Electrical engineering
Electrical engineering technology
Engineering science
Environmental science
Industrial design
Industrial engineering
Information science
Information technology
Applied mathematics
Mechanical engineering
Mechanical engineering technology
Management
Surveying engineering technology
Undeclared, liberal arts
Undeclared, computing sciences
Undeclared, engineering
Total

n	% of total	Actual n	% of total
3	1%	3	>1%
51	12%	109	15%
22	5%	40	5%
1	>1%	1	>1%
29	7%	48	7%
34	8%	50	7%
1	>1%	2	>1%
14	3%	23	3%
8	2%	9	1%
1	>1%	2	>1%
32	8%	49	7%
4	1%	6	1%
32	8%	50	7%
13	3%	32	4%
4	1%	8	1%
1	>1%	2	>1%
1	>1%	1	>1%
5	1%	10	2%
4	1%	7	1%
8	2%	12	2%
27	7%	36	5%
8	2%	13	2%
41	10%	71	10%
3	1%	6	1%
11	3%	38	5%
		1	>1%
16	4%	37	5%
6	2%	9	1%
34	8%	56	8%
414	100%	731	100%

Section I: Goals

Student Mean Ratings of the Importance of Goals in their enrolment decision by Year

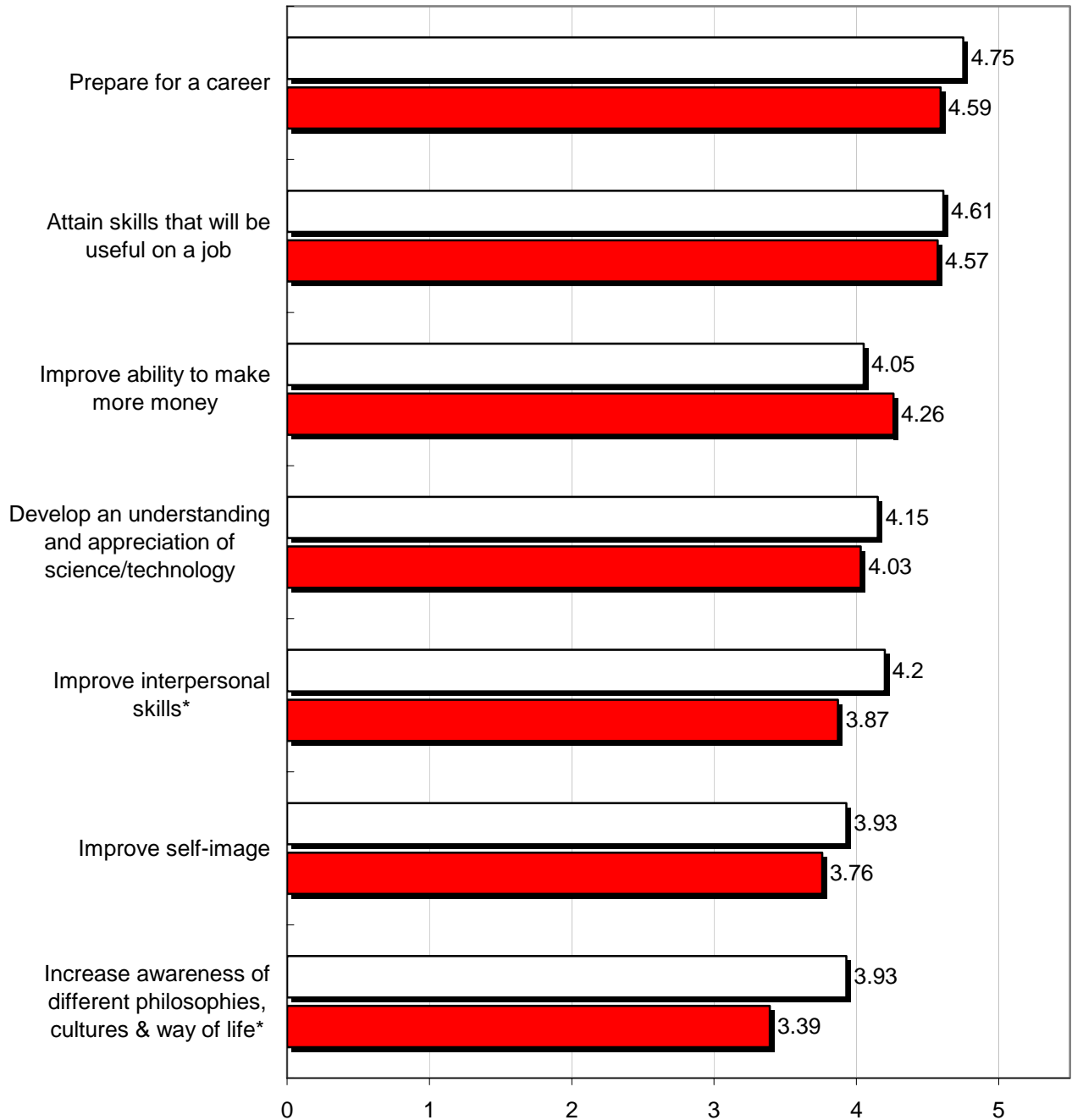


(Scale: 1 = Not at all Important, 2 = A Little Important, 3 = Moderately Important, 4 = Important, 5 = Very Important)

Please rate the following statements on the degree of importance to you in choosing to enroll at NJIT.

■ Fall 2007 (n = 414) □ Fall 2006 (n = 174) ■ Fall 2005 (n = 715)

Student Mean Ratings of the Importance of Goals in their enrolment decision by Gender



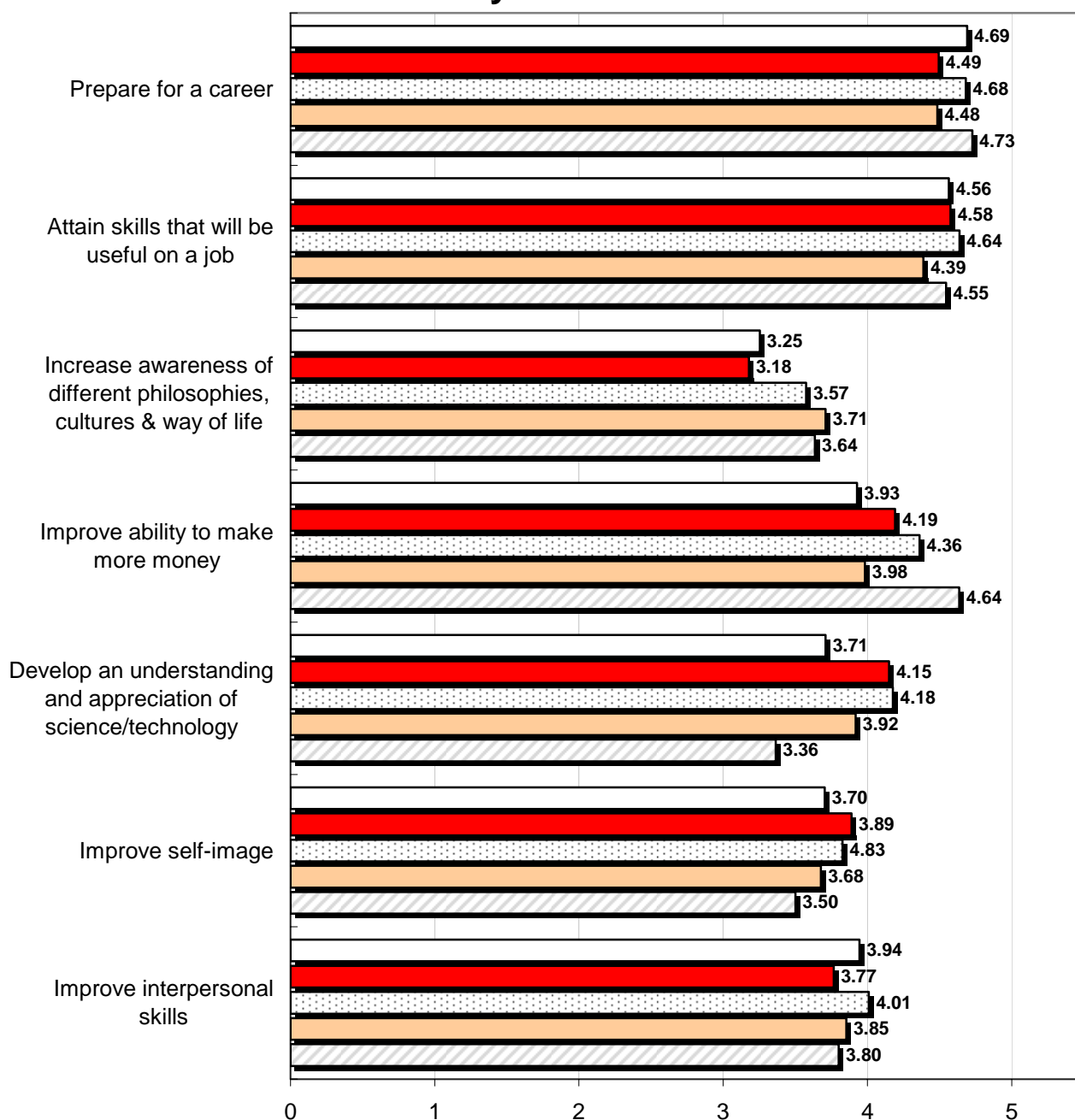
(Scale: 1 = Not at all Important, 2 = A Little Important, 3 = Moderately Important, 4 = Important, 5 = Very Important)

Please rate the following statements on the degree of importance to you in choosing to enroll at NJIT.

* Significant at $p < .05$

■ Male (n = 335) □ Female (n = 76)

Student Mean Ratings of the Importance of Goals in their enrolment decision by School



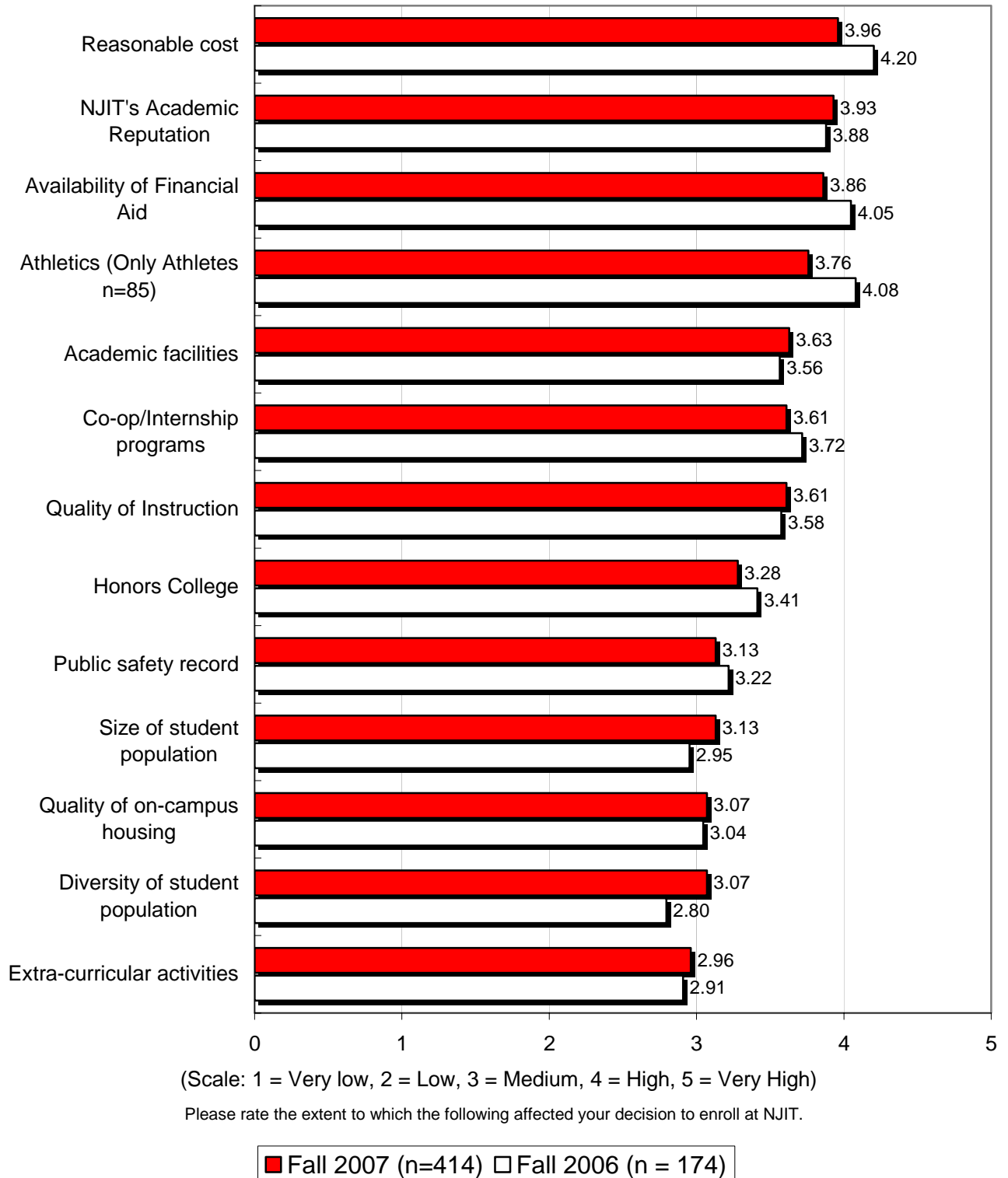
(Scale: 1 = Not at all Important, 2 = A Little Important, 3 = Moderately Important, 4 = Important, 5 = Very Important)

Please rate the following statements on the degree of importance to you in choosing to enroll at NJIT.

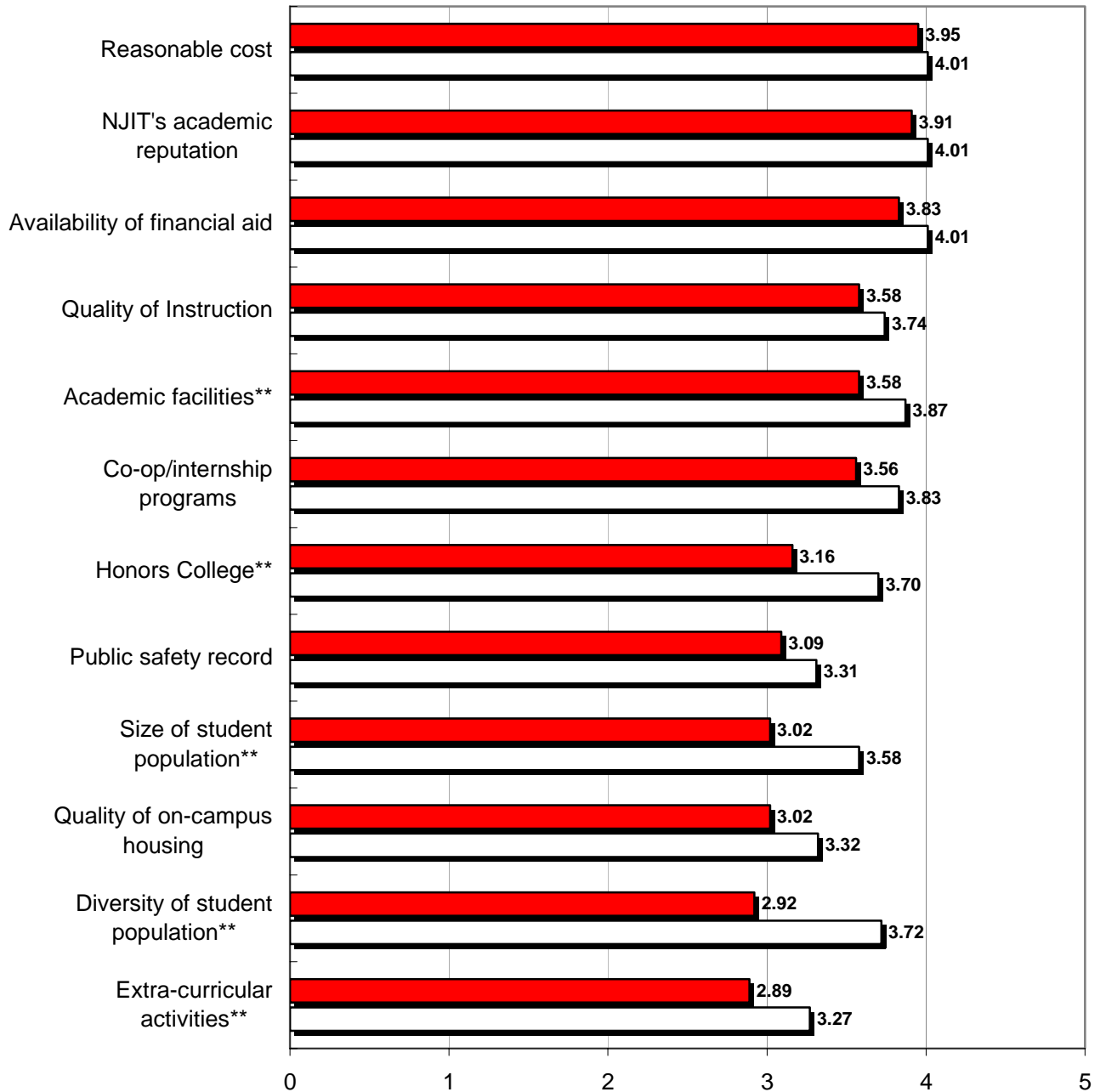
☐ ARC n=56
 ☐ CCS n=74
 ☐ NCE n=211
 ☐ SLA n=62
 ☐ SOM n=11

Section II: Enrollment Factors/Influences

Factors in Enrollment Decision by Year



Factors in Enrollment Decision by Gender



(Scale: 1 = Very low, 2 = Low, 3 = Medium, 4 = High, 5 = Very High)

** Significant at $p < .05$

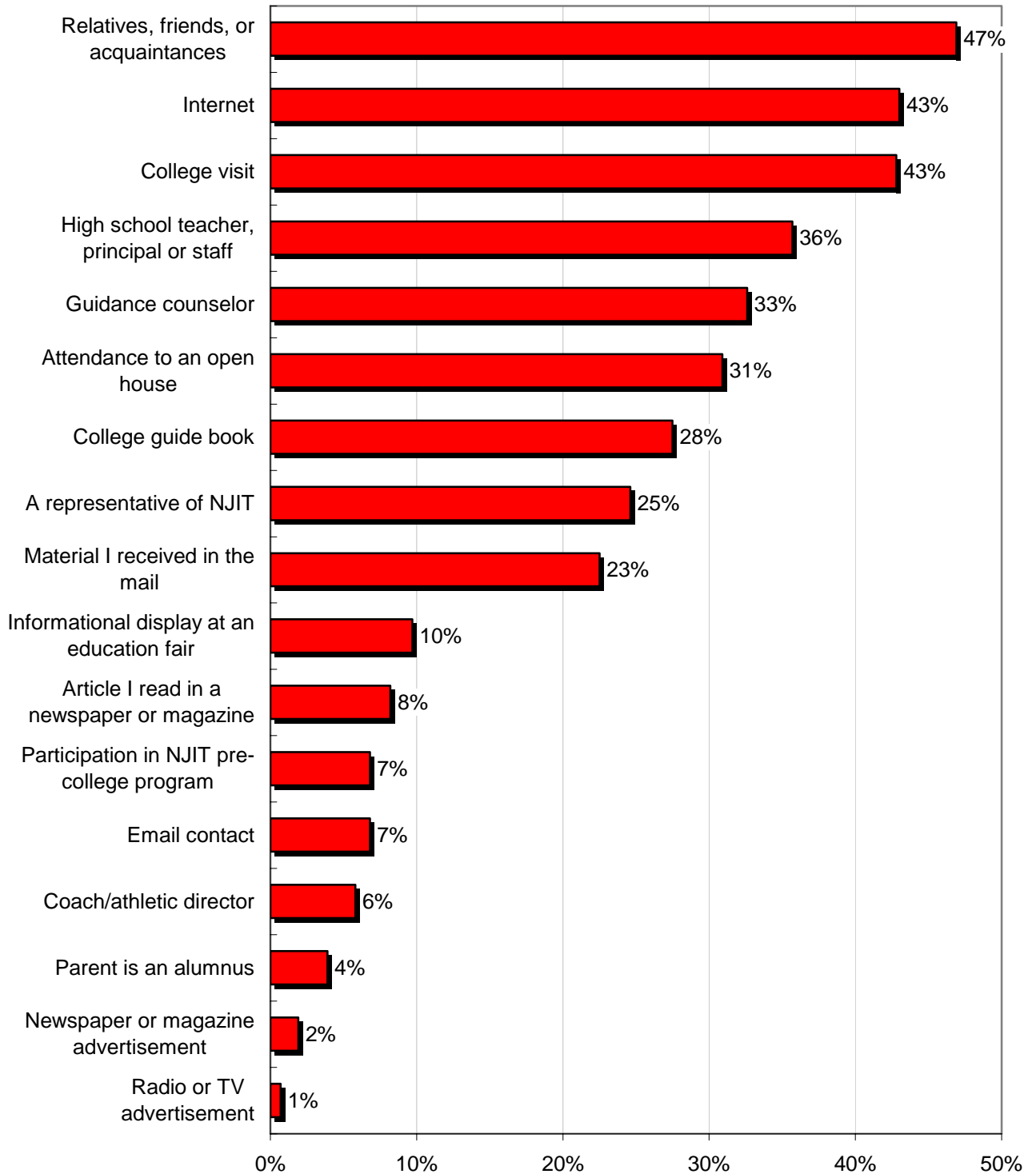
Please rate the extent to which the following affected your decision to enroll at NJIT.

■ Male (n = 335) □ Female (n = 76)

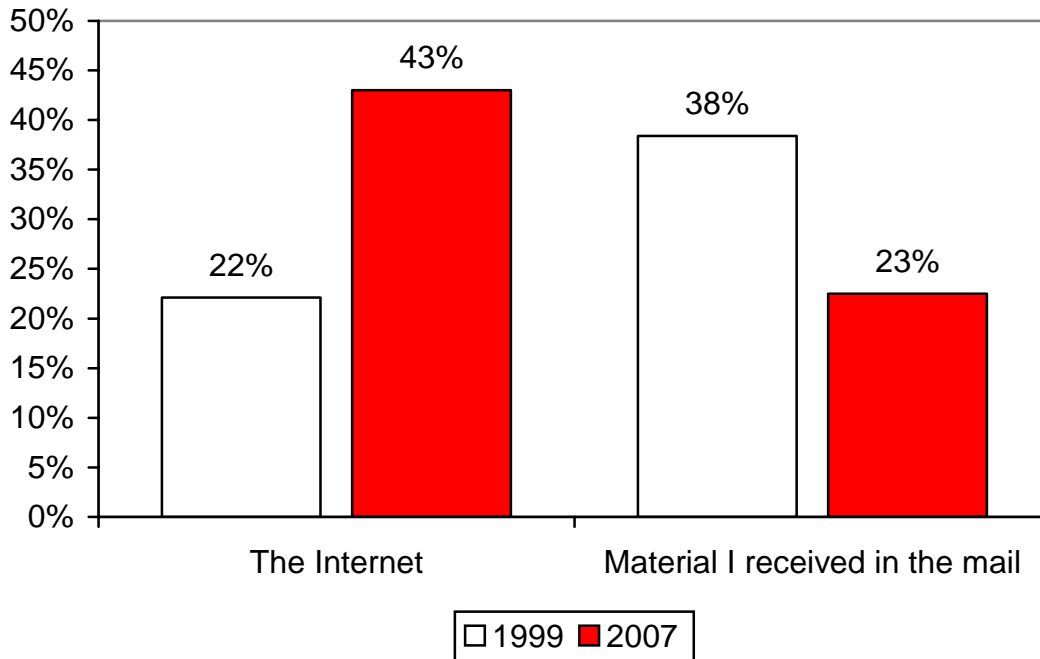
Factors in Enrollment Decision by School

	ARCH (n = 56)	CCS (n = 74)	NCE (n = 211)	CSLA (n = 62)	SOM (n = 11)
NJIT's academic reputation	3.98	3.93	3.93	3.92	3.73
Quality of instruction	3.72	3.61	3.60	3.61	3.36
Academic facilities	3.55	3.61	3.67	3.64	3.45
Honors College	3.11	3.08	3.25	3.69	3.25
Size of student population	2.98	2.87	3.21	3.30	3.18
Diversity of student population	2.71	2.69	3.25	3.24	3.18
Extra-curricular activities	2.78	2.61	3.10	3.00	3.36
Reasonable cost	3.96	3.90	4.00	3.98	3.27
Availability of financial aid	3.45	3.87	3.95	3.93	4.00
Public safety record	2.93	3.15	3.22	2.95	3.36
Co-op/Internship programs	3.69	3.36	3.76	3.37	3.70
Quality of on-campus housing	3.04	3.15	3.03	3.15	3.09

Q-34. How Did You Learn about NJIT? (n = 414)



Q-34: How Did You Learn About NJIT?
Comparison of selected sources to 1999 values



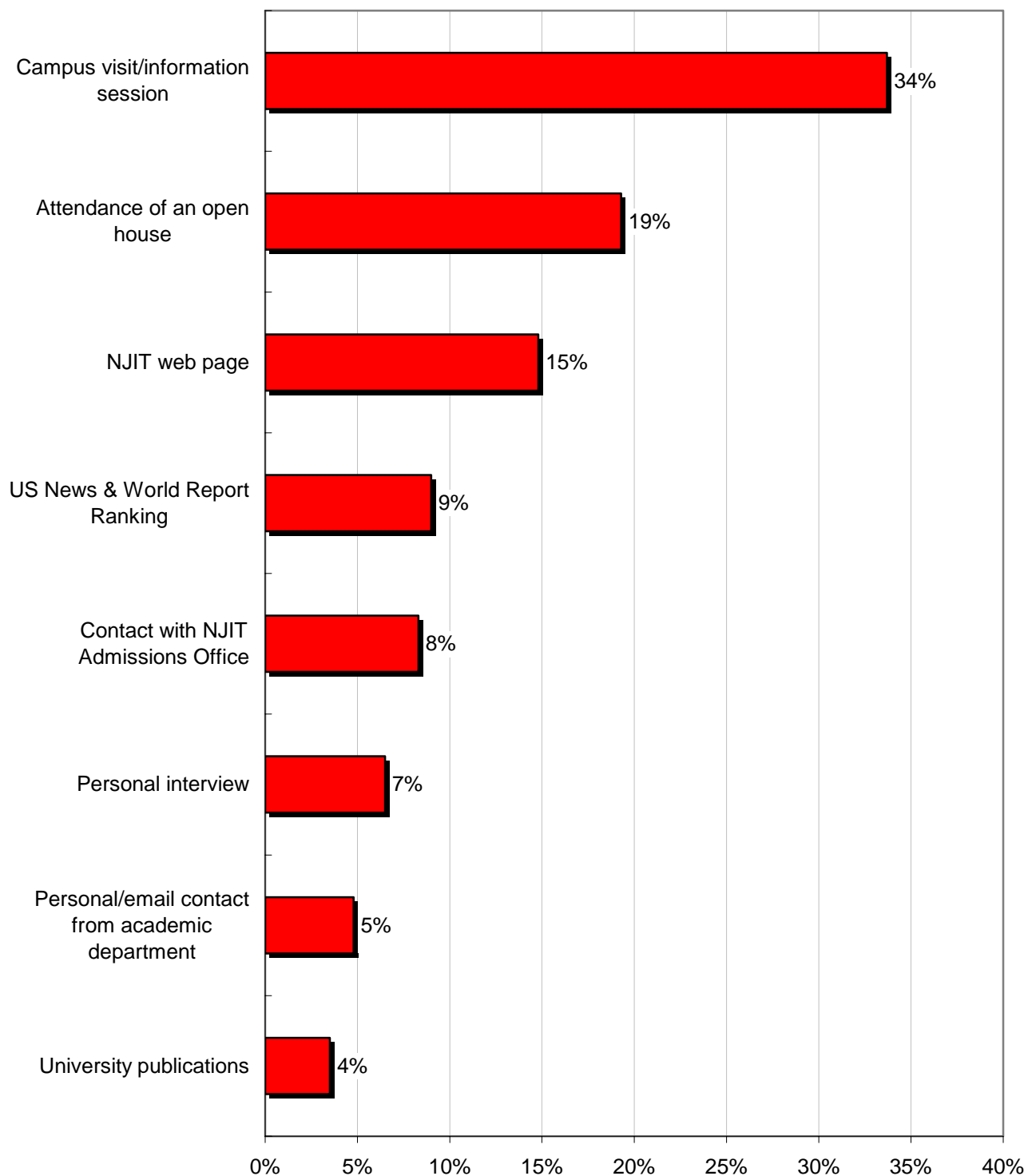
Q-34: How Did You Learn About NJIT?
by Gender

	Male (n = 338)	Female (n = 76)
Relatives, friends or acquaintances	46%	49%
Internet	44%	41%
College visit	43%	43%
High school teachers, principal or staff	36%	36%
Guidance counselor	33%	30%
Attendance at an open house	31%	33%
College guide book	28%	24%
A representative of NJIT	24%	26%
Material I received in the mail	23%	20%
Informational display at an educational fair	9%	12%
Article I read in a newspaper or magazine	9%	5%
Participation in NJIT pre-college program	6%	12%
Email contact	6%	9%
Coach/athletic director	4%	15%
Parent is an alumnus	4%	3%
Newspaper or magazine advertisement	2%	4%
Radio or TV advertisement	1%	0%

**Q-34: How Did You Learn About NJIT?
by School**

	ARC (n = 56)	CCS (n = 74)	NCE (n = 211)	CSLA (n = 62)	SOM (n = 11)
Relatives, friends, or acquaintances	38%	47%	49%	50%	36%
College visit	48%	47%	42%	39%	27%
Internet	55%	54%	39%	34%	27%
High school teachers, principal, or staff	34%	38%	39%	26%	18%
Guidance counselor	39%	30%	35%	21%	36%
Attendance at an open house	27%	38%	33%	24%	9%
College guide book	30%	26%	29%	26%	9%
A representative of NJIT	21%	23%	25%	26%	36%
Material I received in the mail	25%	24%	24%	15%	9%
Article I read in a newspaper or magazine	5%	7%	10%	5%	18%
Informational display at an educational fair	9%	11%	10%	10%	9%
Participation in NJIT pre-college program	4%	7%	9%	2%	18%
Email contact	5%	7%	8%	5%	9%
Parent is an alumnus	0%	4%	5%	3%	0%
Coach/athletic director	9%	3%	5%	5%	27%
Newspaper or magazine advertisement	2%	1%	3%	0%	0%
Radio or TV advertisement	0%	0%	1%	0%	0%

Q-35: Which Most Influenced Your Decision to Apply? (n = 398)



**Q-35: Which Most Influenced Your Decision to Apply?
by Ethnicity**

	Black Non- Hispanic (n = 32)	American Indian or Alaskan Native (n = 5)	Asian or Pacific Islander (n = 104)	Hispanic (n = 77)	White Non- Hispanic (n = 166)
Campus visit/information session	41%	40%	26%	36%	36%
Attendance of an open house	16%	60%	17%	26%	18%
NJIT web page	9%	0%	21%	14%	12%
<i>US News & World Report Ranking</i>	13%	0%	9%	3%	12%
Personal interview	6%	0%	5%	7%	8%
Contact with NJIT Admissions Office	9%	0%	14%	5%	7%
Personal/email contact from academic department	3%	0%	3%	5%	6%
University publications	3%	0%	6%	4%	2%

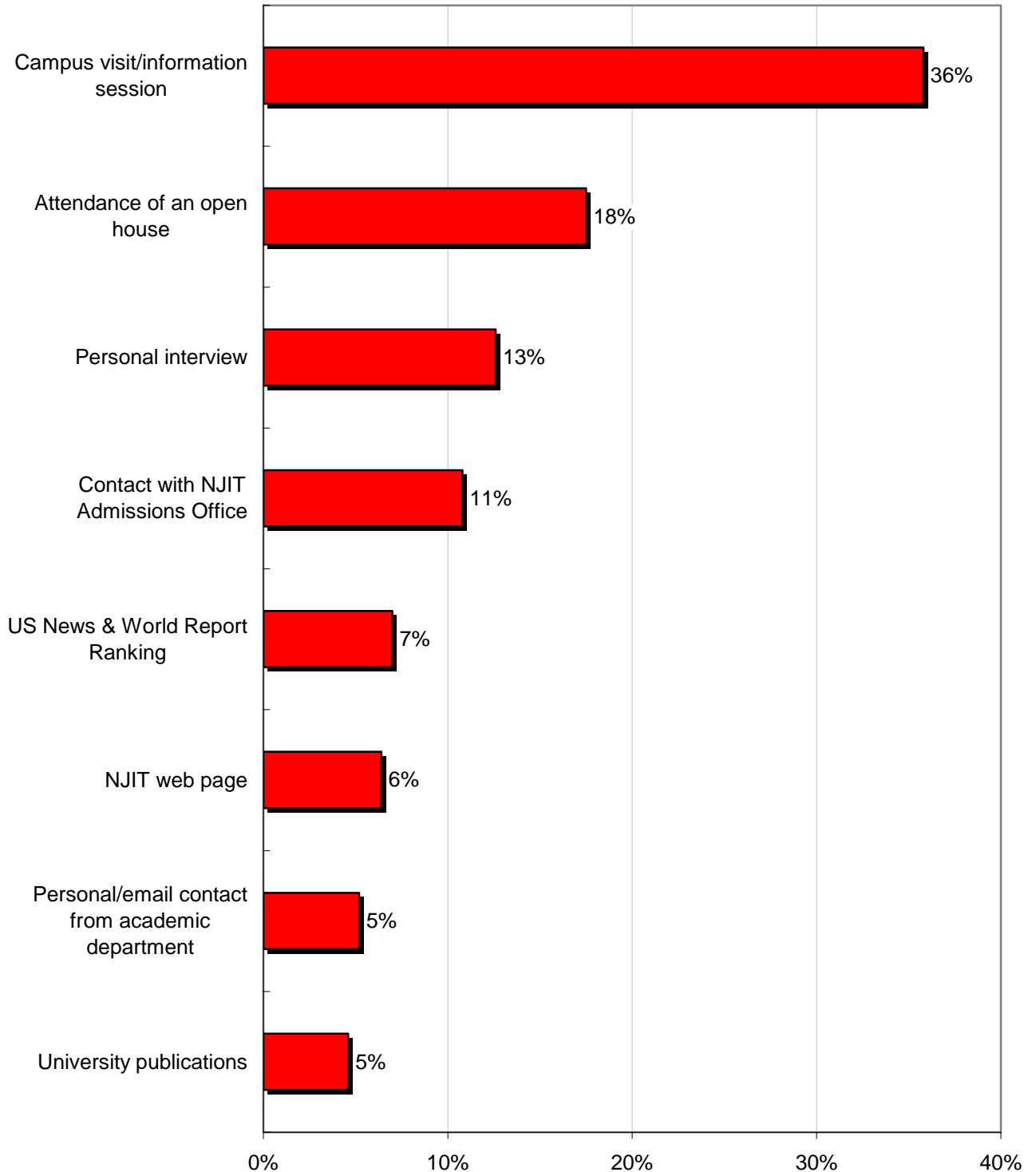
**Q-35: Which Most Influenced Your Decision to Apply?
by Gender**

	Male (n = 324)	Female (n = 74)
Campus visit/information session	33%	38%
Attendance of an open house	19%	19%
NJIT web page	15%	12%
<i>US News & World Report Ranking</i>	10%	4%
Contact with NJIT Admissions Office	9%	7%
Personal interview	7%	5%
University publications	4%	3%
Personal/email contact from academic department	3%	12%

**Q-35: Which Most Influenced Your Decision to Apply?
by School**

	ARC (n = 53)	CCS (n = 72)	NCE (n = 202)	CSLA (n = 62)	SOM (n = 9)
Attendance of an open house	19%	19%	21%	16%	11%
Campus visit/information session	36%	44%	30%	32%	33%
Personal/email contact from academic department	4%	4%	5%	5%	22%
Personal interview	9%	3%	8%	5%	0%
NJIT web page	9%	15%	16%	16%	11%
University publications	2%	0%	5%	3%	11%
<i>US News & World Report Ranking</i>	11%	7%	8%	15%	0%
Contact with NJIT Admissions Office	9%	7%	8%	8%	11%

**Q-36. Which Most Influenced
Your Decision to Attend? (n = 388)**



**Q-36: Which Most Influenced Your Decision to Attend?
by Ethnicity**

	Black Non- Hispanic (n = 31)	American Indian or Alaskan Native (n = 5)	Asian or Pacific Islander (n = 100)	Hispanic (n = 76)	White Non- Hispanic (n = 163)
Campus visit/information session	45%	20%	26%	34%	42%
Attendance of an open house	10%	0%	19%	25%	15%
Personal interview	10%	20%	17%	9%	12%
Contact with NJIT Admissions Office	10%	40%	13%	13%	8%
<i>US News & World Report Ranking</i>	7%	20%	5%	7%	8%
Personal/email contact from academic department	7%	0%	4%	4%	7%
NJIT web page	7%	0%	11%	1%	5%
University publications	7%	0%	5%	7%	3%

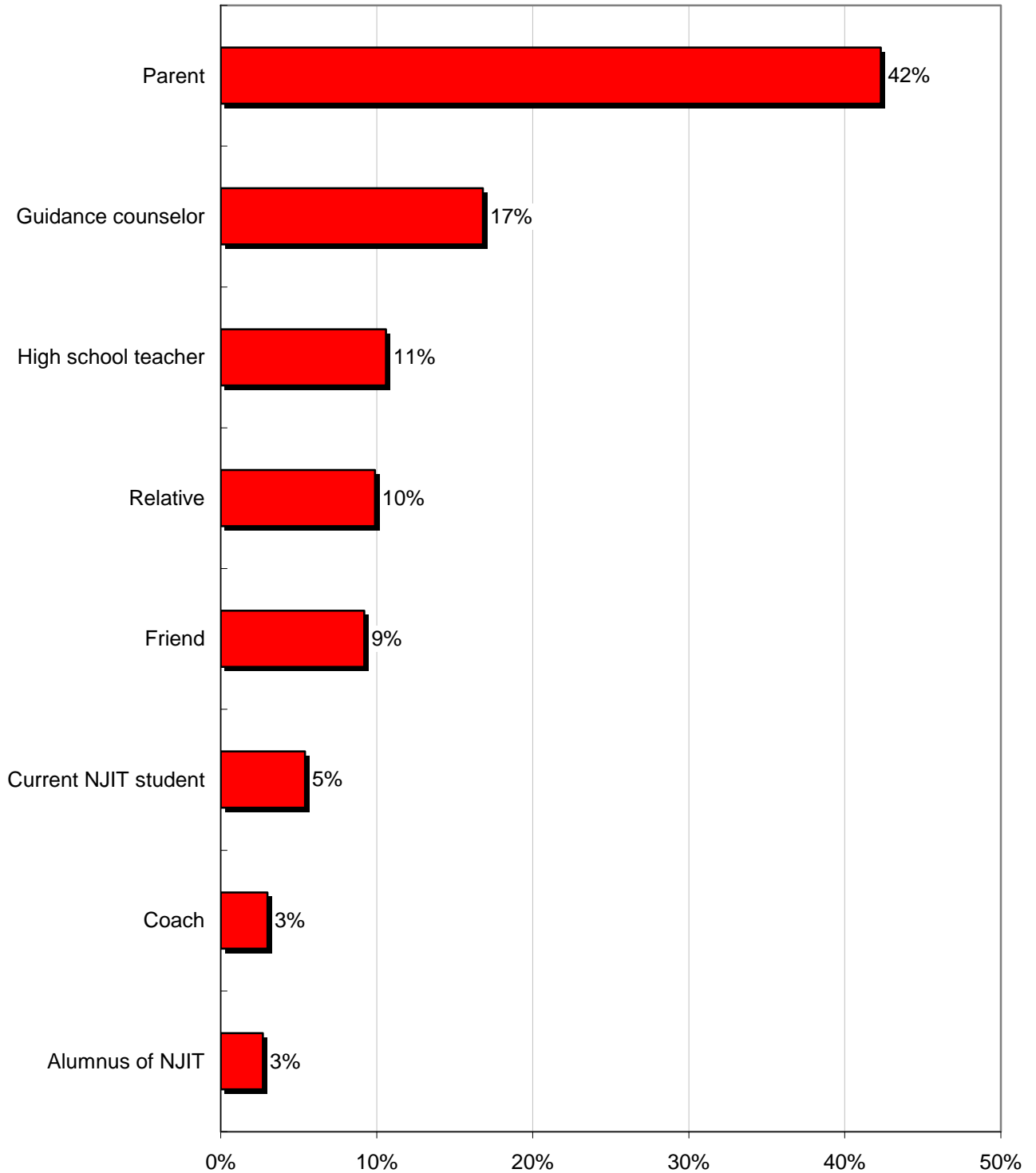
**Q-36: Which Most Influenced Your Decision to Attend?
by Gender**

	Male (n = 315)	Female (n = 73)
Campus visit/information session	35%	40%
Attendance of an open house	19%	12%
Personal interview	13%	12%
Contact with NJIT Admissions Office	11%	10%
<i>US News & World Report Ranking</i>	7%	6%
NJIT web page	7%	3%
Personal/email contact from academic department	4%	8%
University publications	4%	10%

**Q-36: Which Most Influenced Your Decision to Attend?
by School**

	ARC (n = 51)	CCS (n = 70)	NCE (n = 197)	CSLA (n = 61)	SOM (n = 9)
Campus visit/information session	43%	41%	34%	30%	33%
Attendance of an open house	12%	33%	15%	13%	11%
Personal interview	10%	6%	14%	20%	11%
Contact with NJIT Admissions Office	10%	4%	13%	15%	0%
<i>US News & World Report Ranking</i>	10%	3%	8%	7%	11%
NJIT web page	4%	3%	7%	8%	22%
University publications	0%	6%	6%	3%	11%
Personal/email contact from academic department	12%	4%	4%	5%	0%

**Q-37. Who Most Influenced
Your Decision to Apply? (n = 404)**



**Q-37: Who Most Influenced Your Decision to Apply?
by Ethnicity**

	Black Non- Hispanic (n = 12)	Asian Pacific Islander (n = 38)	Hispanic (n = 38)	White Non- Hispanic (n = 75)
Alumnus of NJIT	8%	0%	0%	12%
Coach	0%	0%	0%	4%
Current NJIT student	0%	11%	8%	4%
Friend	0%	18%	8%	13%
Guidance counselor	0%	11%	31%	17%
High school teacher	0%	0%	21%	8%
Parent	92%	50%	16%	41%
Relative	0%	10%	16%	6%

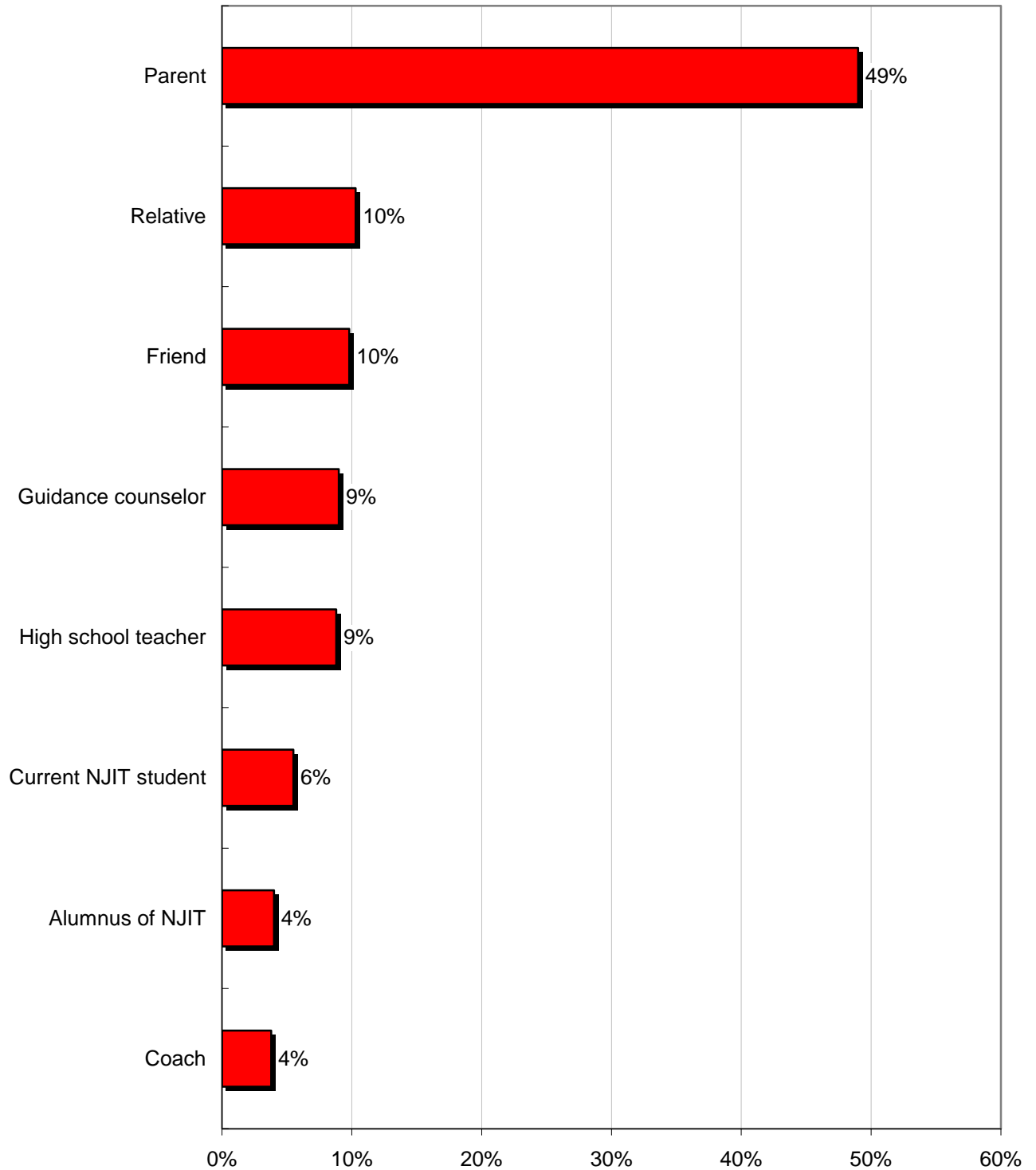
**Q-37: Who Most Influenced Your Decision to Apply?
by Gender**

	Male (n = 329)	Female (n = 75)
Parent	44%	33%
Guidance counselor	18%	12%
High school teacher	10%	15%
Relative	10%	8%
Friend	8%	16%
Current NJIT student	5%	8%
Alumnus of NJIT	3%	0%
Coach	2%	8%

**Q-37: Who Most Influenced Your Decision to Apply?
by School**

	ARC (n = 53)	CCS (n = 72)	NCE (n = 207)	CSLA (n = 61)	SOM (n = 11)
Parent	55%	42%	39%	46%	36%
Guidance counselor	11%	18%	18%	15%	18%
High school teacher	6%	15%	11%	8%	9%
Relative	9%	7%	11%	12%	0%
Friend	13%	10%	10%	3%	36%
Current NJIT student	2%	4%	6%	10%	0%
Coach	0%	0%	3%	5%	27%
Alumnus of NJIT	4%	4%	2%	2%	0%

**Q-38: Who Most Influenced Your
Decision to Attend? (*n* = 400)**



**Q-38: Who Most Influenced Your Decision to Attend?
by Ethnicity**

	Black Non-Hispanic (n = 33)	American Indian or Alaskan Native (n = 5)	Asian Pacific Islander (n = 107)	Hispanic (n = 78)	White Non-Hispanic (n = 164)
Parent	49%	80%	44%	44%	55%
Friend	3%	20%	14%	8%	9%
High school teacher	6%	0%	7%	12%	9%
Guidance counselor	3%	0%	10%	13%	7%
Relative	15%	0%	15%	13%	6%
Alumnus of NJIT	3%	0%	5%	1%	6%
Coach	12%	0%	90%	1%	4%
Current NJIT student	9%	0%	5%	9%	4%

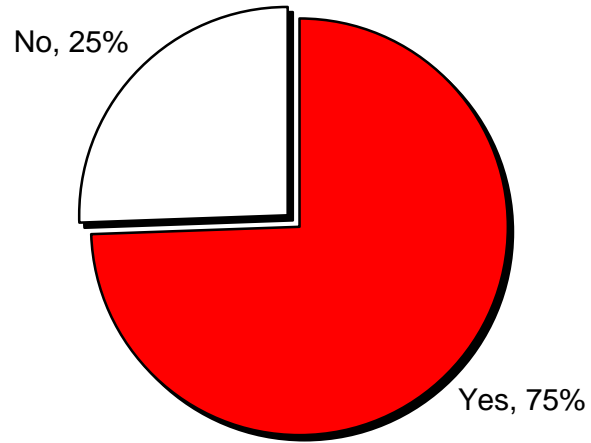
**Q-38: Who Most Influenced Your Decision to Attend?
by Gender**

	Male (n = 324)	Female (n = 76)
Parent	49%	47%
Relative	10%	11%
Friend	10%	9%
Guidance counselor	10%	7%
High school teacher	8%	12%
Current NJIT student	5%	7%
Alumnus of NJIT	5%	0%
Coach	3%	8%

**Q-38: Who Most Influenced Your Decision to Attend?
by School**

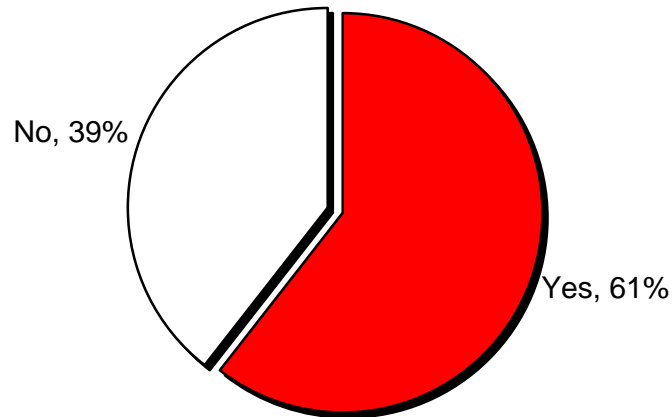
	ARC (n = 52)	CCS (n = 71)	NCE (n = 206)	CSLA (n = 60)	SOM (n = 11)
Parent	56%	48%	46%	53%	55%
Relative	6%	10%	12%	10%	0%
Friend	14%	11%	10%	5%	0%
High school teacher	10%	9%	10%	3%	18%
Guidance counselor	8%	10%	8%	12%	18%
Current NJIT student	0%	4%	6%	8%	9%
Alumnus of NJIT	4%	7%	4%	2%	0%
Coach	4%	1%	4%	7%	0%

Q-40: Did you visit the NJIT campus before making your decision to enroll? (n = 408)



Section III: Comparison to Other Colleges

**Q-39: Was NJIT Your First Choice?
(n = 406)**

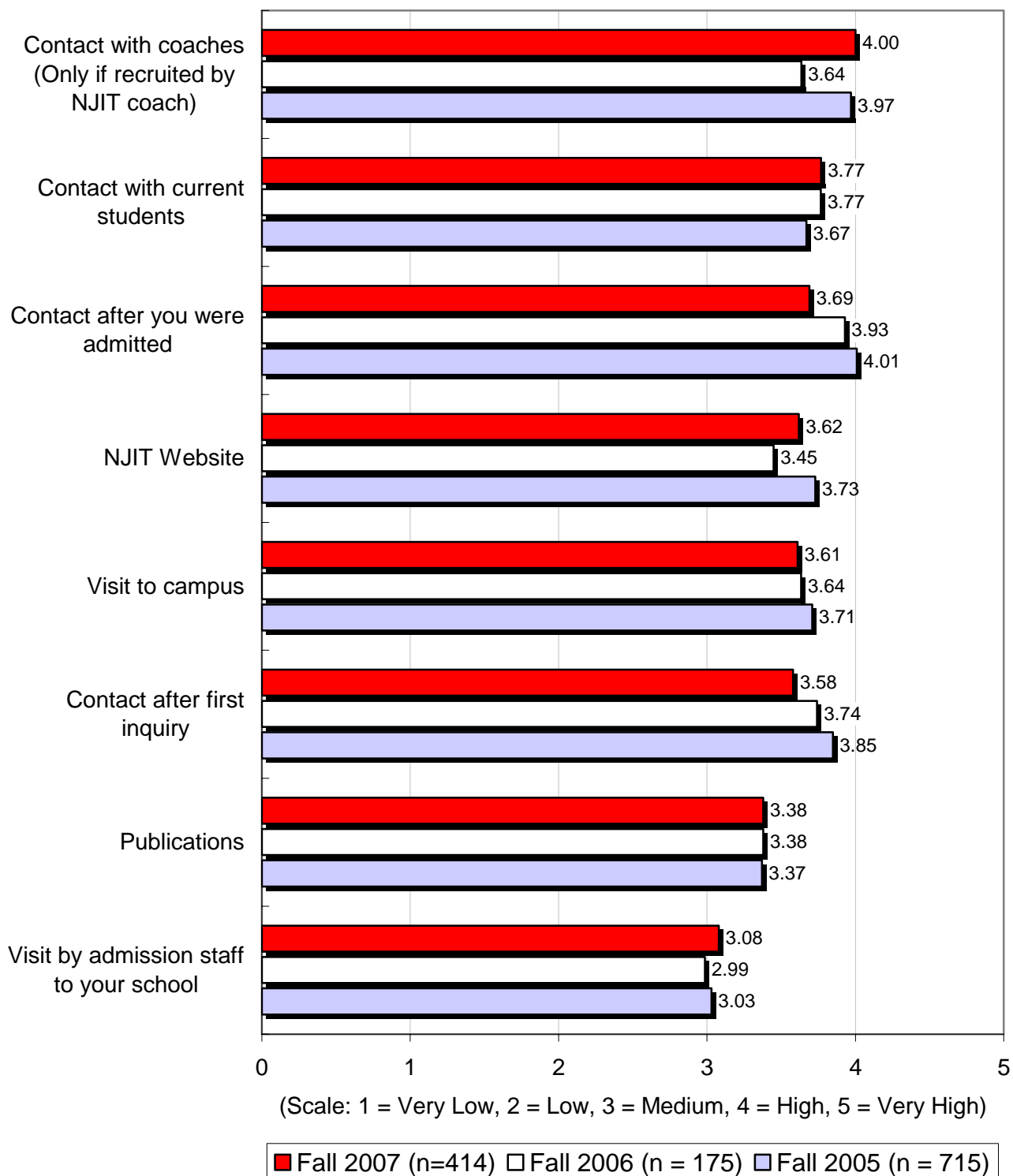


Q-39: If NJIT was not your first choice, name of first choice:

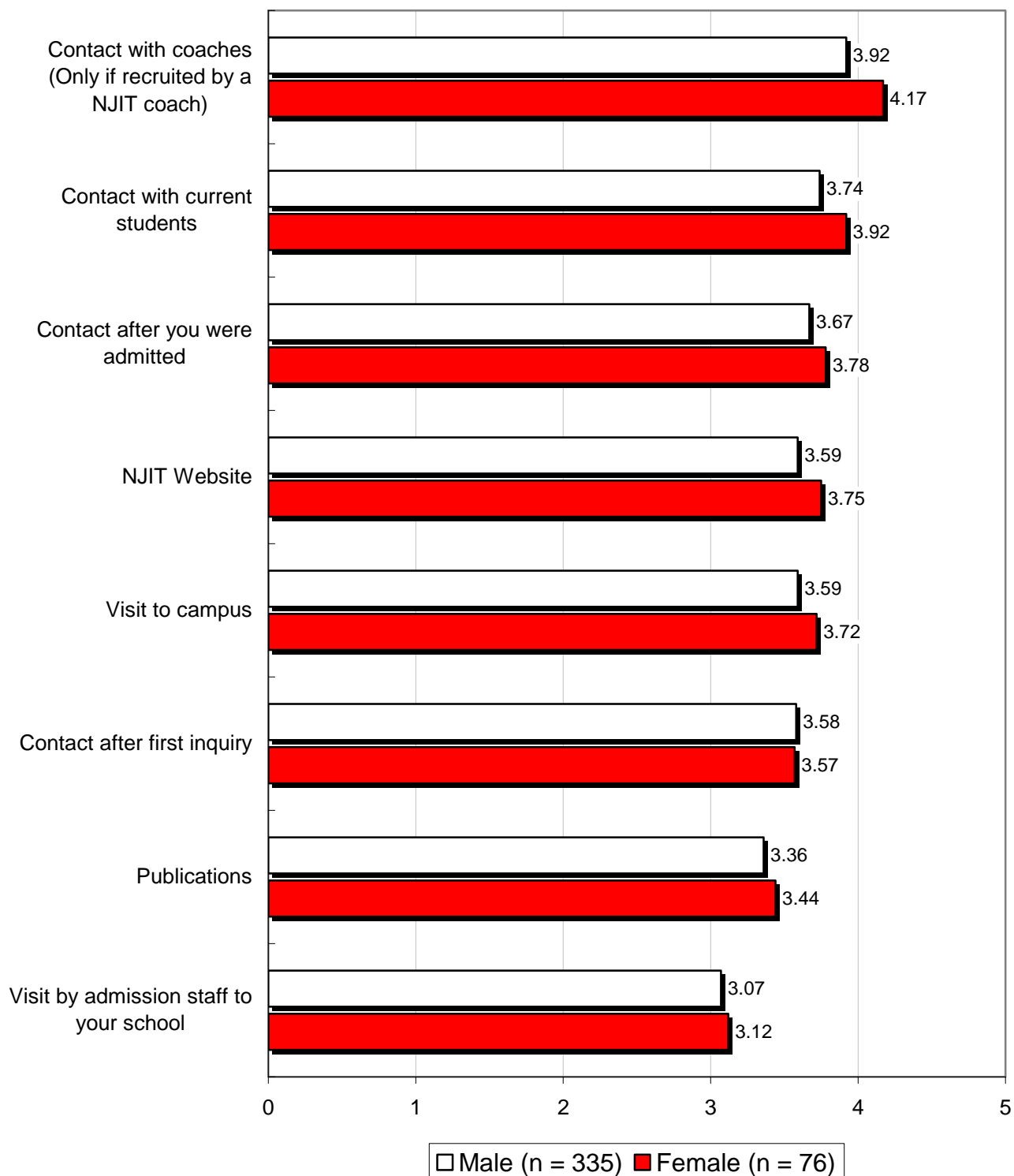
	Top 10 choices: University/College	n
1	Rutgers University	38
2	Stevens Institute of Technology	12
3	Penn State University	6
4	Cooper Union	6
5	Rowan University	5
6	University of Maryland	4
7	Montclair State University	4
8	Johns Hopkins University	4
9	The College of New Jersey	3
10	Northeastern University	3

* See Appendix for other responses

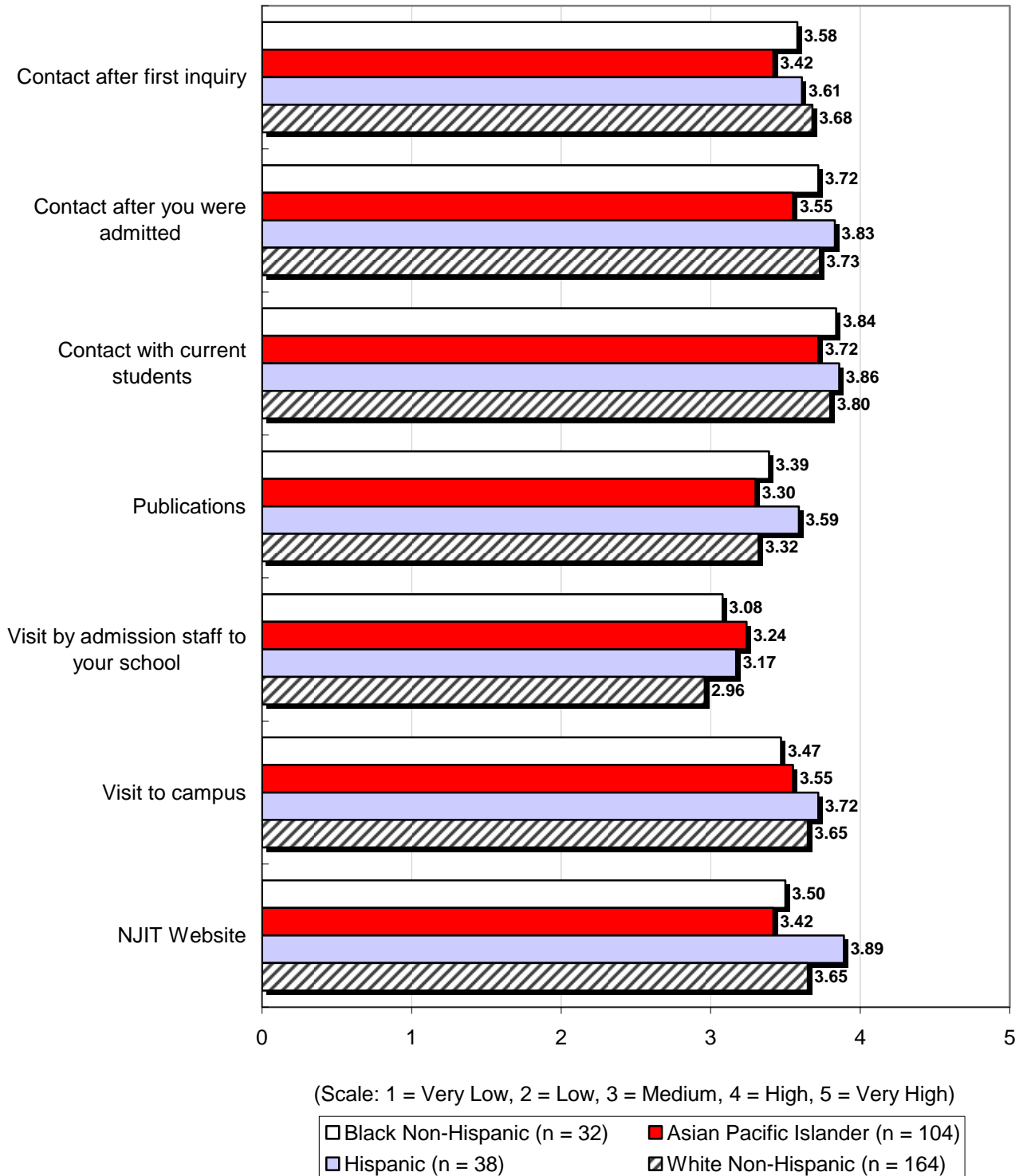
Rate NJIT in Comparison to Other Colleges by Year



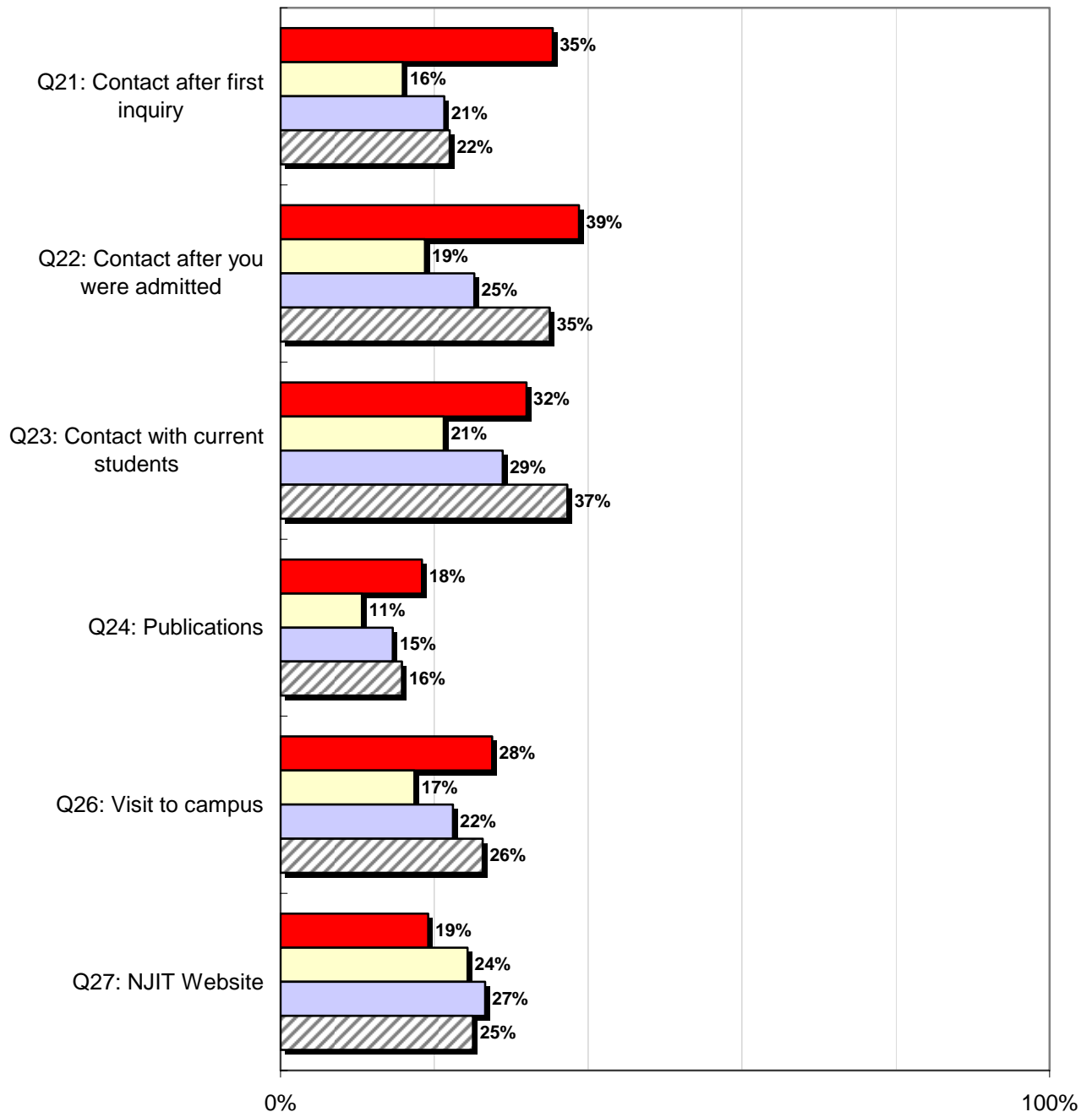
Rate NJIT in Comparison to Other Colleges by Gender



Rate NJIT in Comparison to Other Colleges By Ethnicity



Comparison to other colleges, highest rated factors* in enrollment decision by school

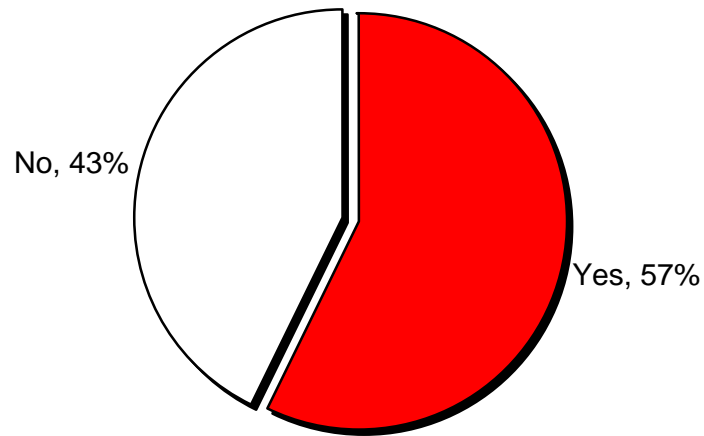


* Percentage is based on the rating of 5=very high. SOM is not included since there was not a significant N.

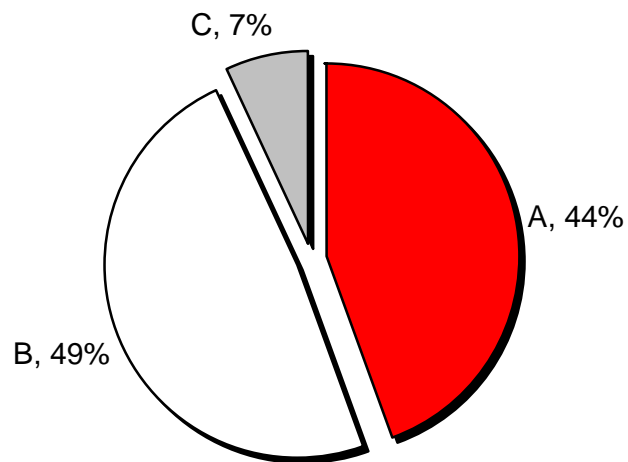
■ ARC (N = 56) ■ CCS (N = 74) ■ NCE (N = 211) ■ SLA (N = 62)

Section IV: Academic Situation

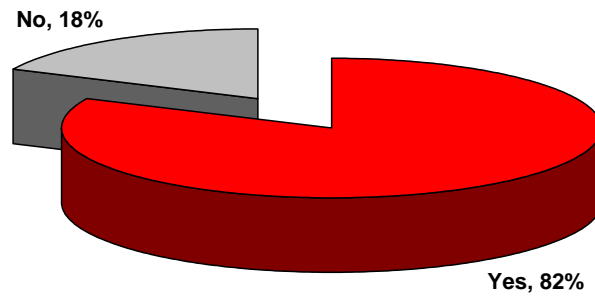
Q-29: Have either of your parents graduated from college? ($n = 413$)



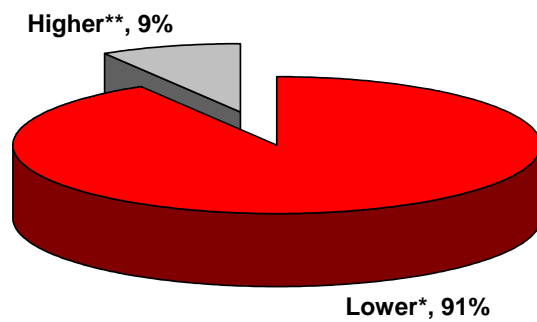
Q-31: Your approximate high school average: ($n = 412$)



Were you placed in appropriate level of English
N=413



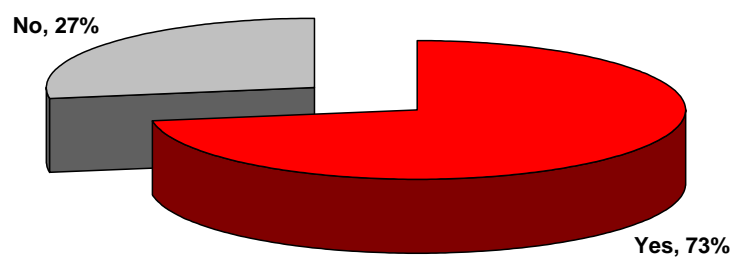
English: Placed higher or lower than expected
N=70



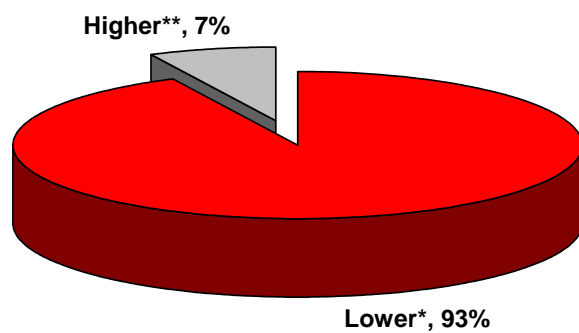
** Average SAT Score of students who believe that they have been placed higher: 586.66

* Average SAT Score of students who believe that they have been placed lower: 508.12

Were you placed in appropriate level of Math
N=412



Math: Placed higher or lower than expected
N=109

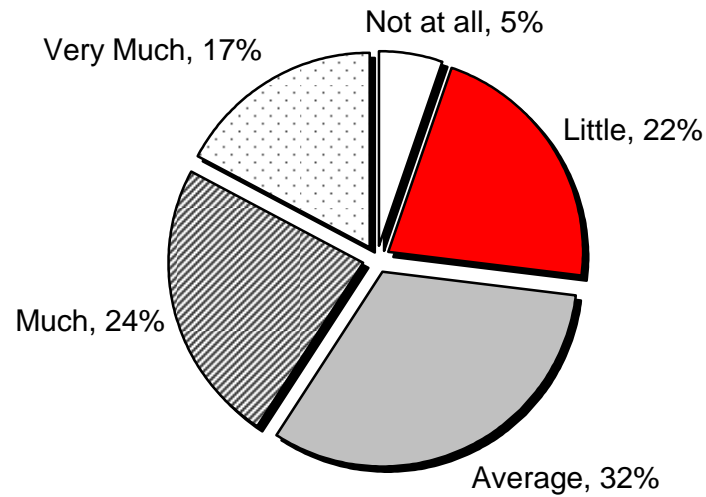


** Average SAT Score of students who believe that they have been placed higher: 582.50

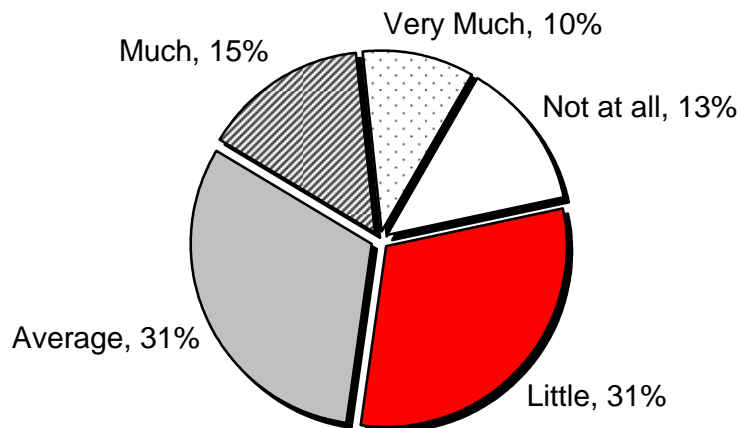
* Average SAT Score of students who believe that they have been placed lower: 575.94

Section V: Commitment

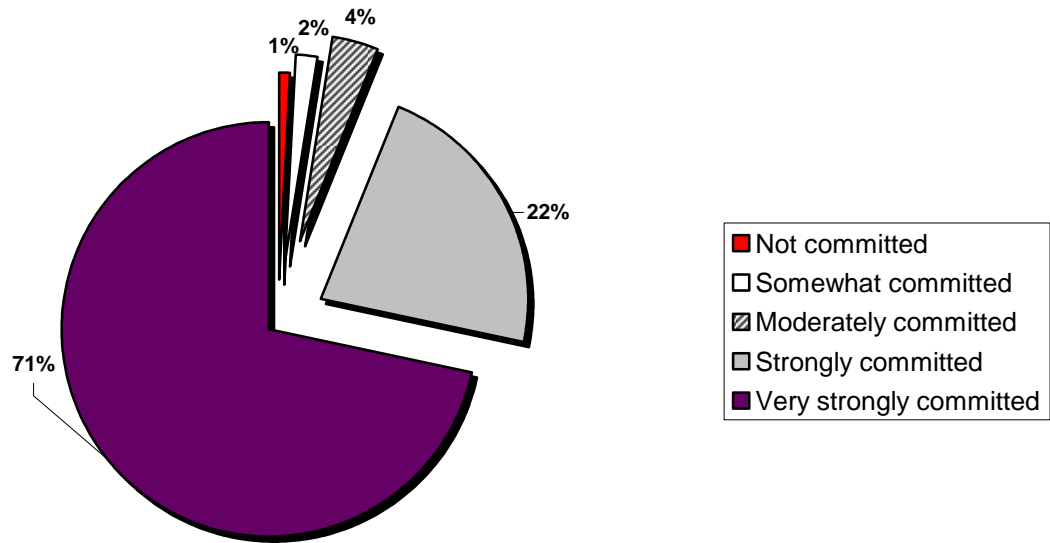
Q-32: How involved were you in high school extracurricular activities? (*n* = 413)



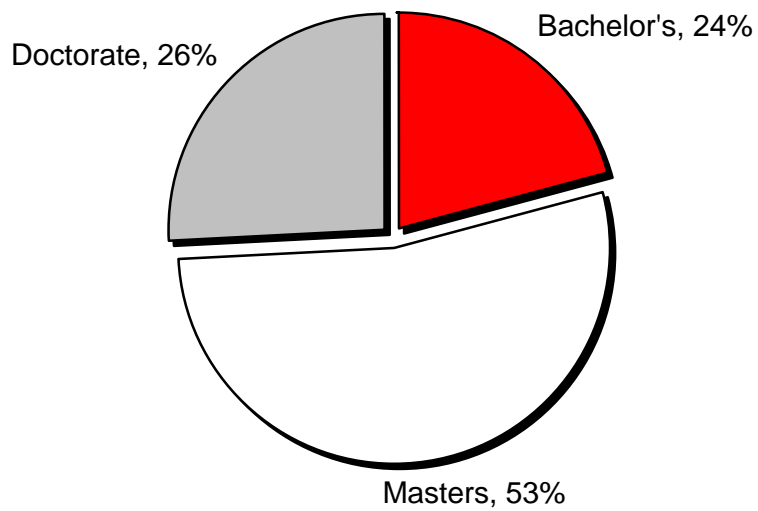
Q-33: How involved are you generally in clubs, church and other organizations outside school? (*n* = 412)



Q-41: How committed are you to finishing your degree?
(*n* = 410)



Q-30: Highest degree you intend to attain (*n* = 412)



Appendix

Q-38: Was NJIT your first choice? If not, name of first choice:

Rutgers	38	Purdue	2
Stevens	12	Princeton	2
Penn State	6	NYU	2
Cooper Union	6	MIT	2
Rowan	5	Virginia Tech	1
University of Maryland	4	UPENN	1
Montclair	4	Boston College	1
Johns Hopkins	4	Brown University	1
TCNJ	3	Seton Hall	1
Northeastern	3	Rider University	1
Lehigh	3	Polytechnic University	1
Fairleigh Dickinson	3	Northwestern	1
Drexel	3	Fairfield University	1
Cornell	3	Embry Riddle Aeronautical	
Rensselaer Polytechnic Institute	3	University	1
Villanova	2	Columbia University	1
Syracuse	2	Cedarville University	1
St Johns	2	Clemson University	1
Rochester Institute of Tech	2		