THE 2011 IUPUI

UNDERGRADUATE ALUMNI SURVEY

SUMMARY REPORT FOR THE

SCHOOL OF INFORMATICS

Steven Graunke

Office of Information Management and Institutional Research

February 2012

INTRODUCTION

The IUPUI Undergraduate Alumni Survey began in 1992 with funding IUPUI received as part of the 1990 Perkins Vocational and Applied Technology Act.   In 2011, the survey was revised to incorporate items on community service and social responsibility and focus on outcomes most pertinent for assessment purposes. The current iteration of the IUPUI Undergraduate Alumni Survey was created by staff in The Office of Information Management and Institutional Research (IMIR) with feedback from Deans, Associate Deans, and the Center for Service and Learning, and Career Services. Currently, the Undergraduate Alumni Survey has 4 sections focusing on graduates' satisfaction with their overall IUPUI experience, the impact of IUPUI on their learning, further education, and current employment.

A sample of 5,674 undergraduate students who graduated with an Associate's or Bachelor's degree from any Indiana University or Purdue University school located on the IUPUI or IUPUC campus between Spring 2008 and Summer 2010 was provided to The Office of Information Management and Institutional Research (IMIR) by the Indiana University Alumni Association. Every alumnus in this sample was sent an e-mail inviting them to participate in the survey. 804 of those had invalid e-mails and three declined, leading to an adjusted sample size of 4,867. Reminder e-mails were sent to non-respondents two, four, and six weeks following the initial e-mail. A total of 511 alumni responded to the survey for a response rate of 10.5%. Demographic and academic characteristics of School of Informatics and all respondents appear in Tables 1 and 2 below.

The following is a report of the 20 respondents who received a Bachelor's degree from the School of Informatics at IUPUI. In order to demonstrate the extent of the difference between the scale means of schools and the scale mean for all IUPUI respondents, effect sizes were generated. Effect sizes represent the number of standard deviation units between the school and campus means. In general, an effect size with an absolute value of less than 0.2 of a standard deviation is seen as "trivial," and an effect size with an absolute value of 0.2 or greater is meaningful. Prudence should be considered when interpreting these results, as the low response rate for this survey may have led to results not consistent with the entire IUPUI population. For further information, including other reports derived from the 2011 IUPUI Graduate and Undergraduate Alumni Surveys, please consult the Alumni Surveys section of the IMIR website, located at imir.iupui.edu/surveys/alumni.

Table 1
Demographic Characteristics of Respondents

	Informatics Respondents	All Bachelor's Degree Respondents
	Percentages	
Gender		
Female	30.0	58.2
Male	70.0	41.8
Ethnicity [a]		
African-American	10.0	10.4
Asian-American/Pacific Islander	0.0	3.8
Caucasian	85.0	80.6
Hispanic	0.0	1.5
Native American/Alaska Native	0.0	0.4
International Student	0.0	1.7
Unknown	5.0	1.7
Age at graduation [b]		
Less than 25 years of age	55.0	47.0
25 – 29	20.0	19.0
30 – 39	15.0	19.4
40 years of age or older	10.0	14.6

[a] Since most participants graduated before the most recent ethnic codes were implemented, pre-2010 ethnic codes were used in this analysis.
[b] For spring semester graduates, age is calculated as of the day of commencement. For fall and summer graduates, age is calculated as of the degree date provided by their school. For most schools, the date is December 31 for fall graduates, June 30 for summer I graduates, and August 31 for summer II graduates (though there is variation between schools).
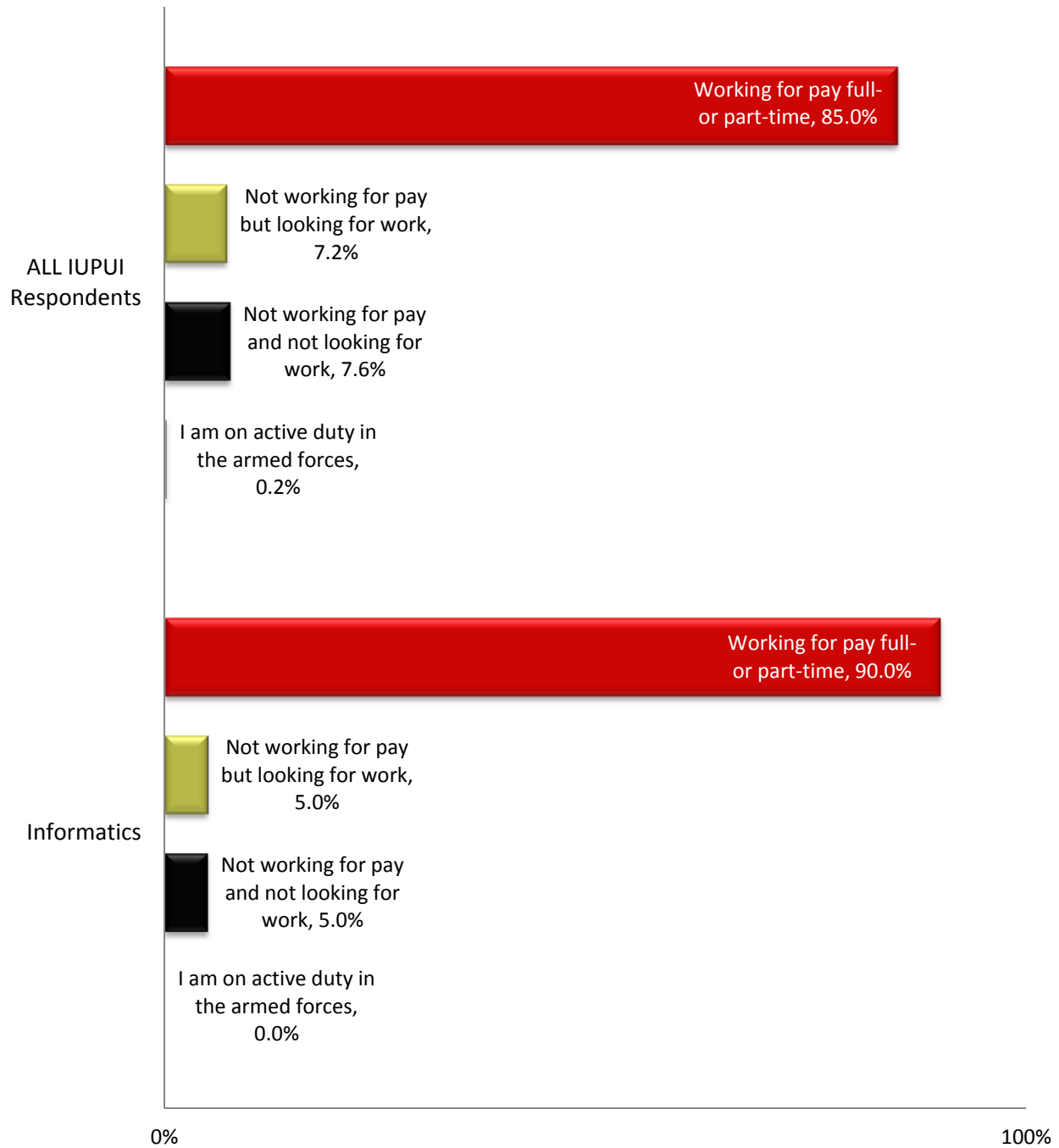
Table 2
Academic Characteristics of Respondents

	Informatics Respondents	All Bachelor's Degree Respondents
Academic year of graduation		
2007-2008	15.0	19.2
2008-2009	45.0	35.9
2009-2010	40.0	44.9
Transfer status		
No hours transferred	70.0	43.6
Transferred less than 15 credit hours	5.0	11.3
Transferred 15 credit hours or more	25.0	45.1
Program GPA [a]		
3.50-4.00	31.6	33.8
3.00-3.49	57.9	36.4
2.50-2.99	10.5	23.2
2.49 or lower	0.0	6.6

[a] GPA earned for classes completed at an Indiana University campus that would count towards the students' degree. Does not include grades earned in classes transferred from outside of Indiana University.
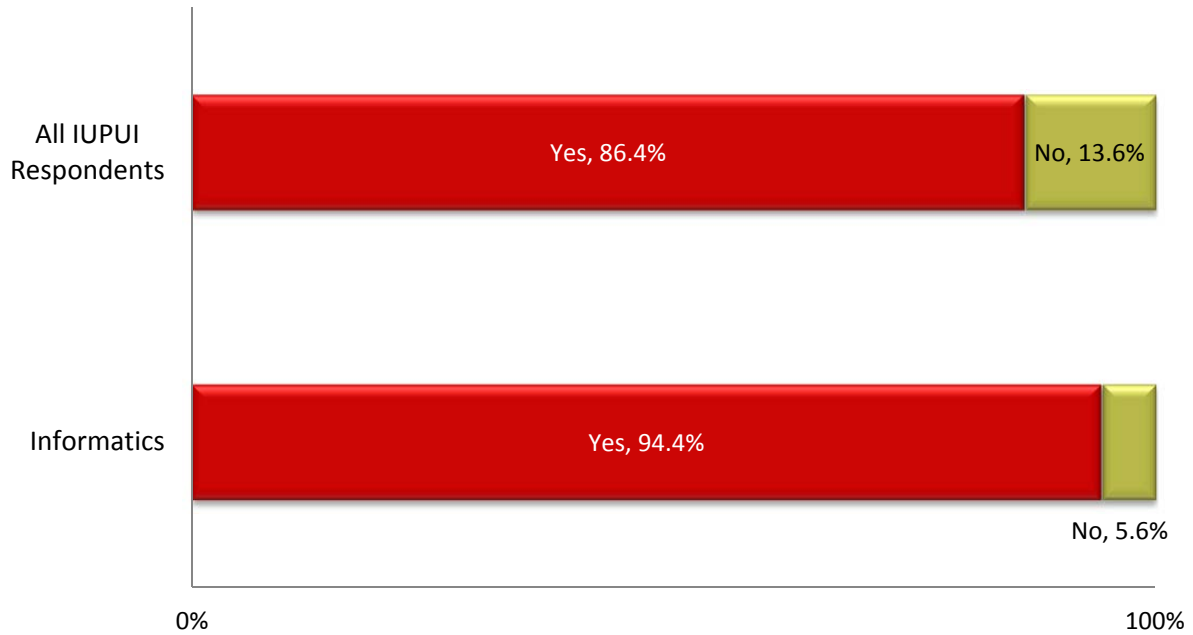
SECTION 1: CURRENT EMPLOYMENT

Figure 1
Which best describes your current employment status? [a]

ALL IUPUI Respondents

- Working for pay full- or part-time, 85.0%
- Not working for pay but looking for work, 7.2%
- Not working for pay and not looking for work, 7.6%
- I am on active duty in the armed forces, 0.2%

Informatics

- Working for pay full- or part-time, 90.0%
- Not working for pay but looking for work, 5.0%
- Not working for pay and not looking for work, 5.0%
- I am on active duty in the armed forces, 0.0%

0%   100%

[a] All IUPUI N = 474
Informatics N = 20

Figure 2
Are you working in Indiana? [a]

All IUPUI Respondents
Yes, 86.4%   No, 13.6%

Informatics
Yes, 94.4%
No, 5.6%

0%   100%

[a] Of respondents indicating they are working full- or part-time.
All IUPUI N = 398; Informatics N = 18

Figure 3
How closely does your job relate to your IUPUI major area of study? [a]
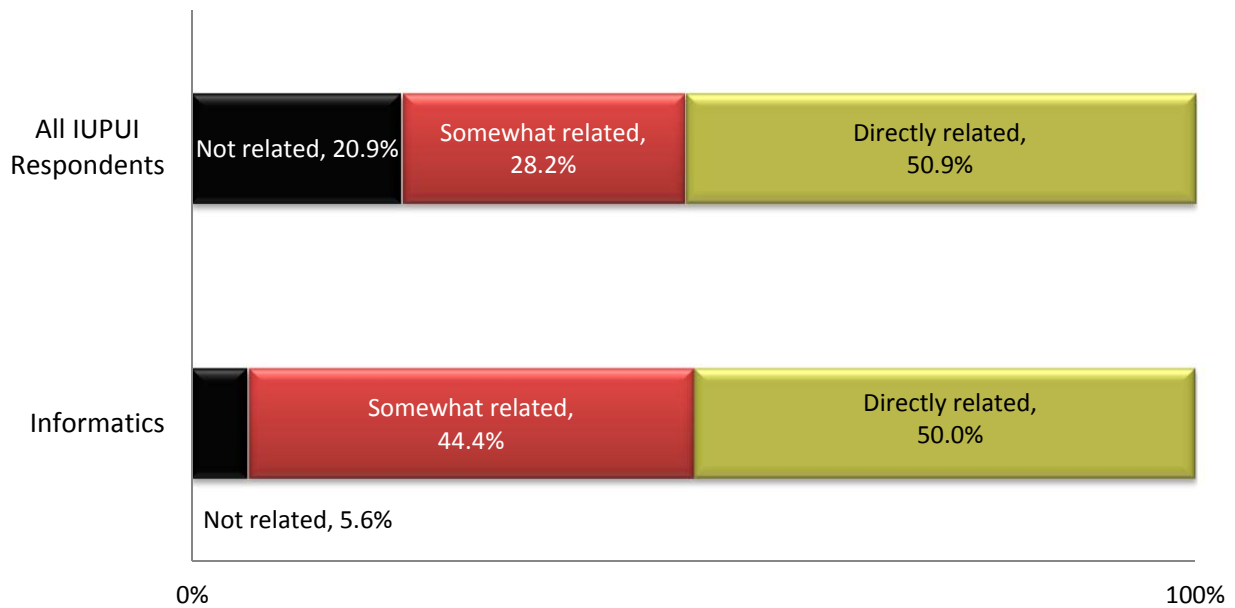
All IUPUI Respondents
Not related, 20.9%   Somewhat related, 28.2%   Directly related, 50.9%

Informatics
Somewhat related, 44.4%   Directly related, 50.0%
Not related, 5.6%

0%   100%

[a] Of respondents indicating they are working full- or part-time.
All IUPUI N = 398; Informatics N = 18

Table 3
IUPUI Education and Work [a]

Please indicate how satisfied you are with each of the following aspects of your IUPUI experience	N	Mean	STD	Standard Error	IUPUI Mean	Effect Size
			Percentages			
How well did your IUPUI education prepare you for this job	18	2.17	0.62	0.15	2.29	-0.17
How well do you think your IUPUI education enhanced your prospects for future advancement	18	2.33	0.59	0.14	2.41	-0.13

[a] 3-point scale in which "Very Well" = 3, "Somewhat" = 2, and "Not at all" = 1.
  Of respondents indicating they are working full- or part-time.

Figure 4
Informatics Bachelor' Degree Respondents
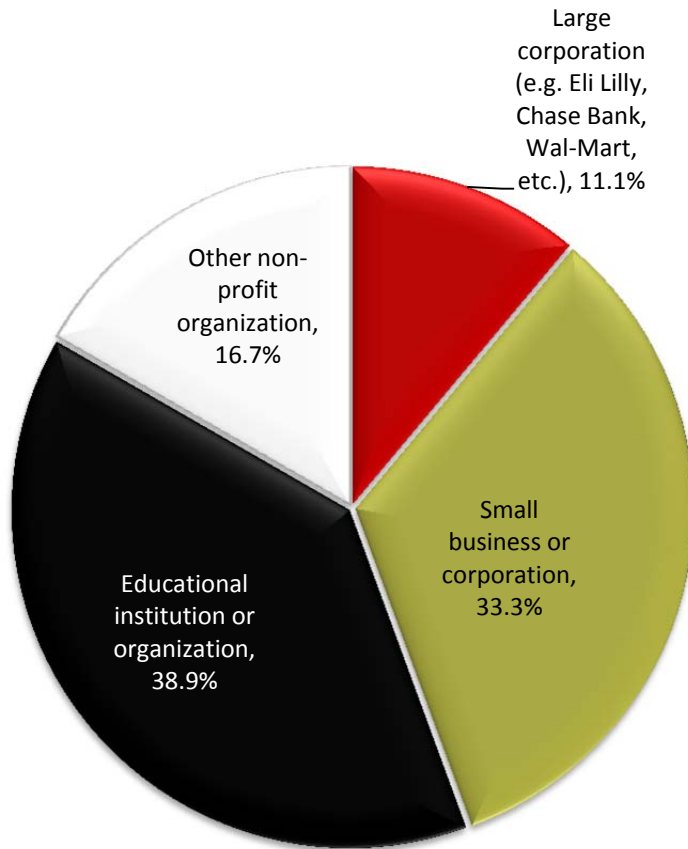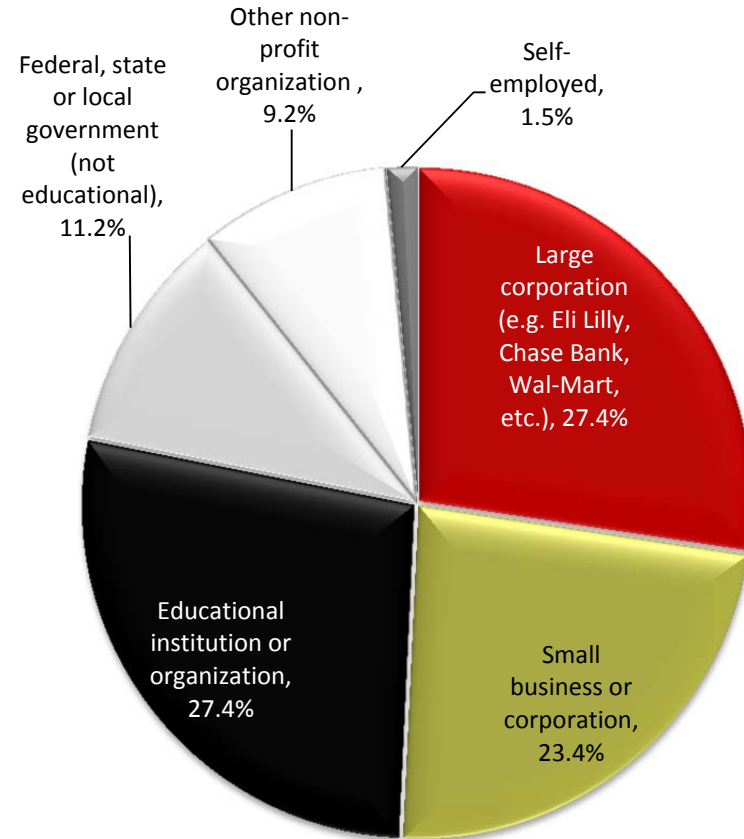**Which category best describes your employer**

Large corporation (e.g. Eli Lilly, Chase Bank, Wal-Mart, etc.), 11.1%

Other non-profit organization, 16.7%

Small business or corporation, 33.3%

Educational institution or organization, 38.9%

Figure 5
All IUPUI Bachelor's Degree Respondents
Which category best describes your employer

Other non-profit organization , 9.2%

Federal, state or local government (not educational), 11.2%

Self-employed, 1.5%

Large corporation (e.g. Eli Lilly, Chase Bank, Wal-Mart, etc.), 27.4%

Small business or corporation, 23.4%

Educational institution or organization, 27.4%

IUPUI N = 402
Informatics N = 18

7

Figure 6
Informatics Bachelor' Degree Respondents
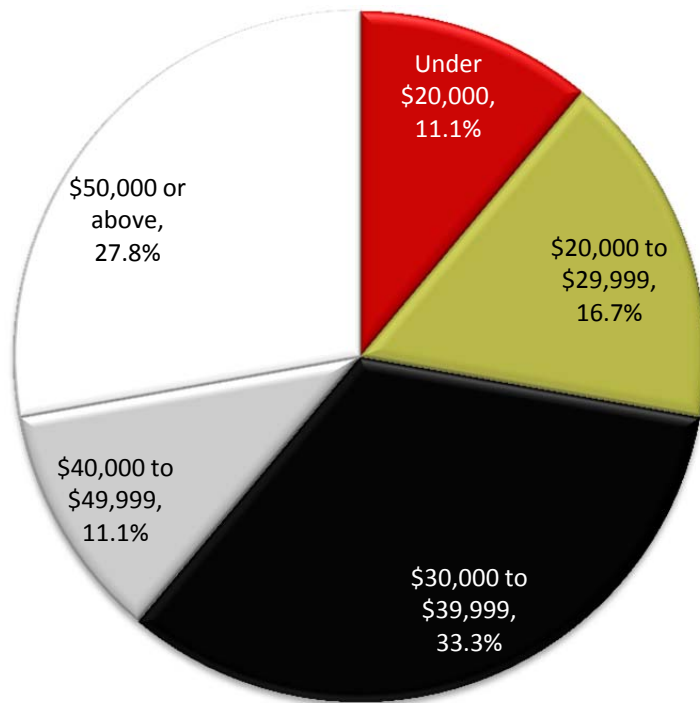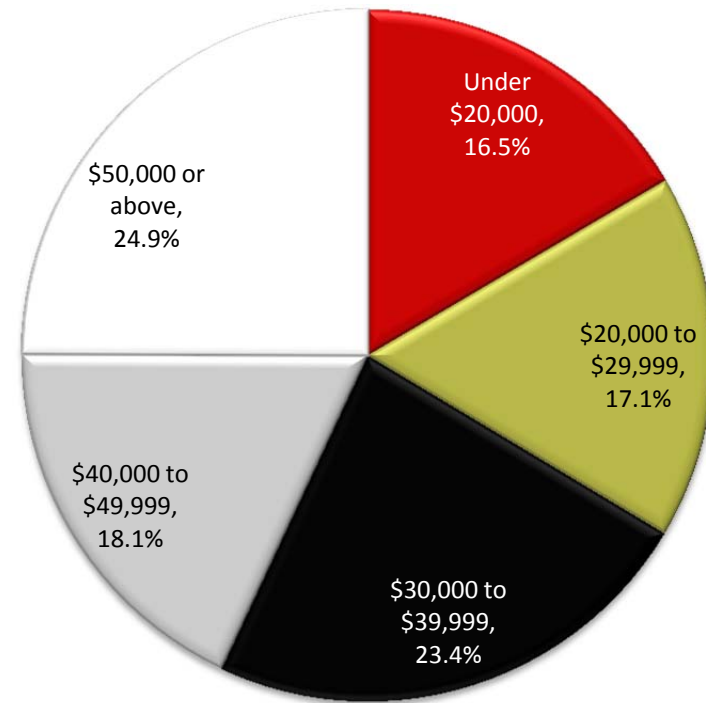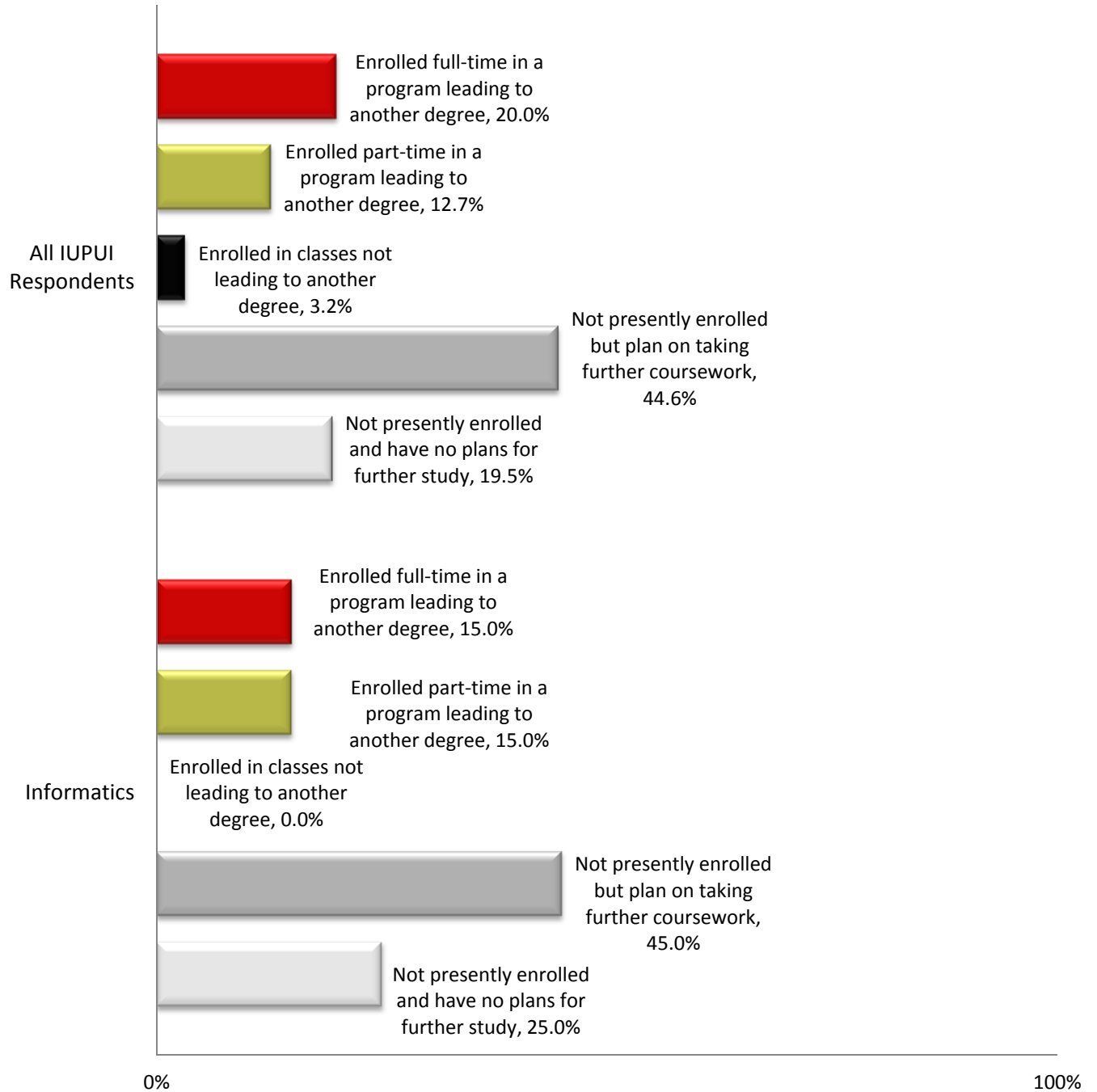**Within which category does your personal annual gross salary fall?**

Figure 7
All IUPUI Bachelor's Degree Respondents
Within which category does your personal annual gross salary fall?
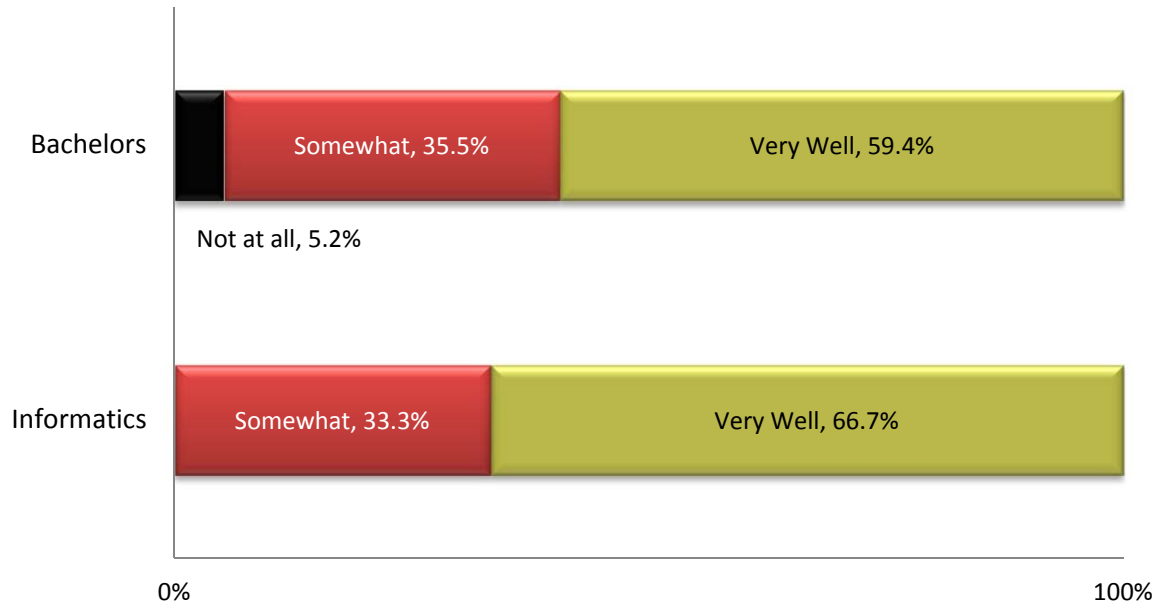

IUPUI N = 381
Informatics N = 18

Figure 8
Which of the following best describes your current educational status? [a]

All IUPUI Respondents
- Enrolled full-time in a program leading to another degree, 20.0%
- Enrolled part-time in a program leading to another degree, 12.7%
- Enrolled in classes not leading to another degree, 3.2%
- Not presently enrolled but plan on taking further coursework, 44.6%
- Not presently enrolled and have no plans for further study, 19.5%

Informatics
- Enrolled full-time in a program leading to another degree, 15.0%
- Enrolled part-time in a program leading to another degree, 15.0%
- Enrolled in classes not leading to another degree, 0.0%
- Not presently enrolled but plan on taking further coursework, 45.0%
- Not presently enrolled and have no plans for further study, 25.0%

0%   100%

[a] All IUPUI N = 474
Informatics N = 20

Figure 9
How well did your IUPUI education prepare you to pursue this degree? [a]

Bachelors	Somewhat, 35.5%	Very Well, 59.4%

Not at all, 5.2%

Informatics	Somewhat, 33.3%	Very Well, 66.7%

0%   100%

[a] Of respondents indicating they are enrolled full or part-time in a program leading to another degree
All IUPUI N = 474
Informatics N = 6

SECTION 3:
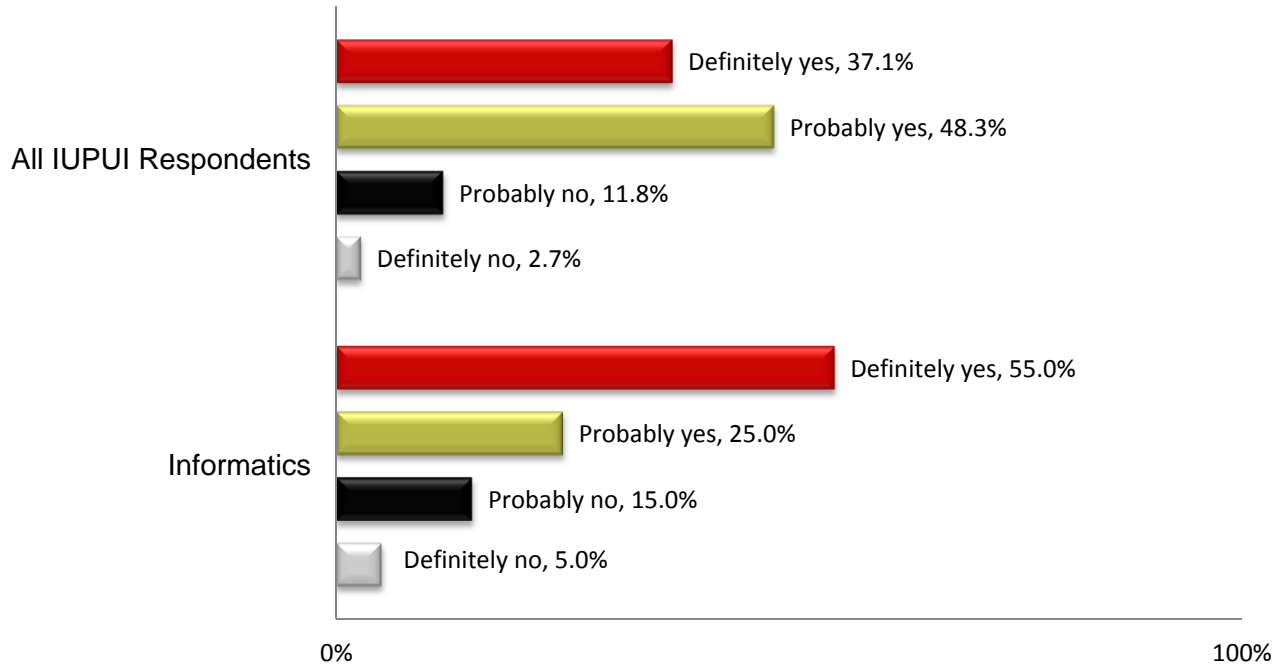# IUPUI'S IMPACT ON LEARNING AND SATISFACTION WITH IUPUI

Table 4
Impact of IUPUI on Your Learning [a]

Indicate how effectively you can perform each of these skills using the scale below.	N	Mean	STD	Standard Error	IUPUI Mean	Effect Size
Speaking clearly and effectively*	20	3.70	0.47	0.11	3.47	0.37
Writing clearly and effectively*	20	3.70	0.57	0.13	3.57	0.21
Quantitative reasoning*	20	3.60	0.68	0.15	3.47	0.20
Identify sources of information that are most appropriate for a project	20	3.60	0.69	0.13	3.59	0.02
Thinking critically and analytically	20	3.65	0.59	0.13	3.64	0.02
Applying what I learned in college to issues and problems I face every day*	20	2.95	1.05	0.23	3.30	-0.45
In-depth understanding of my major field of study	20	3.15	0.88	0.20	3.27	-0.16
See the relationships among local, national, and global issues	20	3.30	0.73	0.16	3.27	0.04
Work effectively with people of different races, ethnicities, and religions	20	3.70	0.47	0.11	3.64	0.10
Exercise my responsibilities as a citizen (e.g., voting, actively participating in community and political issues)	20	3.25	1.07	0.24	3.24	0.01
Develop a personal sense of values and ethics*	20	3.45	0.94	0.21	3.60	-0.23
Use the knowledge I gained in college to address social issues or problems*	20	2.80	1.11	0.25	3.12	-0.36
Understand contemporary social issues*	20	3.45	0.69	0.15	3.29	0.21

[a] 4-point scale in which "Very Effective" = 4, "Effective" = 3, "Somewhat effective" = 2, and "Not at all effective" = 1.

* Effect size greater than 0.2 or less than -0.2

Figure 10
If you could start over again, would you go to IUPUI? [a]

All IUPUI Respondents
- Definitely yes, 37.1%
- Probably yes, 48.3%
- Probably no, 11.8%
- Definitely no, 2.7%

Informatics
- Definitely yes, 55.0%
- Probably yes, 25.0%
- Probably no, 15.0%
- Definitely no, 5.0%

0%   100%

[a] Bachelor N = 474, Mean = 3.20, Std. Dev. = 0.75
   Informatics N = 20 Mean = 3.30, Std. Dev. = 0.92

Table 5
General Satisfaction [a]

Please indicate how satisfied you are with each of the following aspects of your IUPUI experience	N	Mean	STD	Standard Error	IUPUI Mean	Effect Size
Overall quality of the education you received at IUPUI	20	3.49	0.50	0.11	3.36	0.07
Quality of teaching by faculty in your major area	20	3.30	0.66	0.15	3.39	-0.14
Academic advising in your major department*	20	3.30	0.86	0.19	2.97	0.20
Quality of courses in your major area*	20	3.10	0.79	0.18	3.25	-0.23
Personal attention from those in your major department	20	3.10	0.72	0.16	3.24	-0.18
Opportunities to engage in community service*	20	3.10	0.79	0.18	3.08	0.02
Opportunities to participate in faculty members' research	20	2.60	0.94	0.21	2.65	-0.06

[a] 4-point scale in which "Very Satisfied" = 4, "Satisfied" = 3, "Dissatisfied" = 2, and "Very dissatisfied" = 1.
* Effect size greater than 0.2 or less than -0.2

SECTION 4:
EXPERIENCE AT IUPUI

Table 6
Participation in Experiences at IUPUI

Which of the following did you do before you graduated from IUPUI?	N	Done	IUPUI Done	Effect Size
		Percentages		
Practicum, internship, field experience, co-op experience, or clinical assignment*	20	80.0	56.3	0.48
Work on a research project with a faculty member outside of course or program requirements*	20	35.0	21.0	0.34
Study abroad	20	5.0	8.9	-0.14
Freelance or consulting work*	20	60.0	16.3	1.18
On-campus employment*	20	50.0	36.1	0.29
Federal Work-Study program	20	10.0	16.1	-0.17
Community service or volunteer work as part of a course*	20	30.0	48.8	-0.38

* Effect size greater than 0.2 or less than -0.2

Table 7
Career Explorations Opportunities [a]

Please indicate how satisfied you are with each of the following aspects of your IUPUI experience	N	Mean	STD	Standard Error	IUPUI Mean	Effect Size
Career Services*	20	2.95	0.83	0.19	2.71	0.32
Career fairs	18	2.78	0.43	0.10	2.70	0.12

[a] 4-point scale in which "Very Satisfied" = 4, "Satisfied" = 3, "Dissatisfied" = 2, and "Very dissatisfied" = 1.

* Effect size greater than 0.2 or less than -0.2