

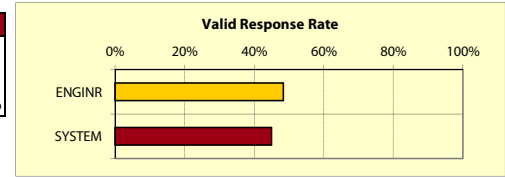
# B.C. Baccalaureate Outcomes

## 2014 Survey of 2012 Baccalaureate Graduates

### RESPONSE RATE

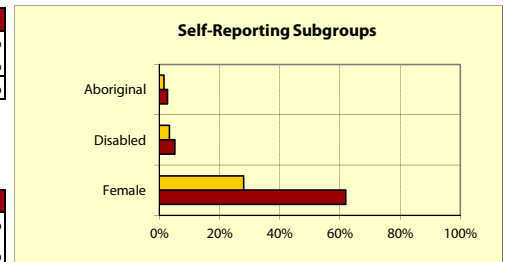
1. Survey Response Rate:	ENGINR		SYSTEM	
2012 Baccalaureate Graduates Survey Cohort	2,188		21,468	
Net Frame	2,000		19,757	
Survey Respondents and Valid Response Rate	968	48%	8,883	45%

Note: ~ = low cell count; data suppressed



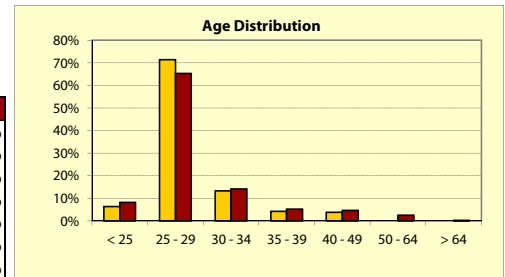
### DEMOGRAPHIC INFORMATION

2. Gender:	ENGINR		SYSTEM	
Male	695	72%	3,375	38%
Female	272	28%	5,506	62%
Total	967	100%	8,881	100%

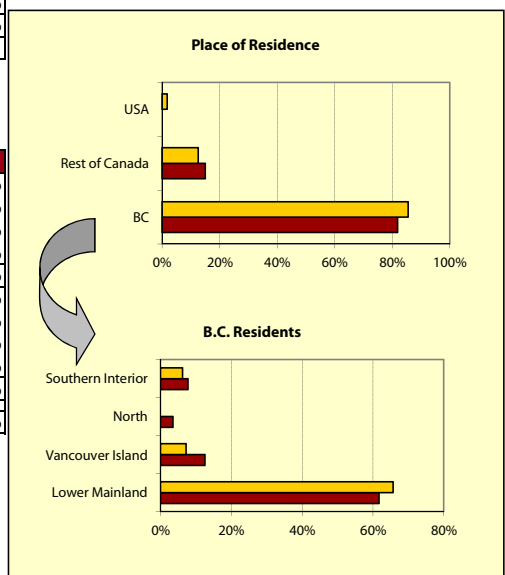


3. Self-Reporting Subgroups:	ENGINR		SYSTEM	
Disabled	33	3%	466	5%
Aboriginal	16	2%	248	3%

4. Age (at time of survey):	ENGINR		SYSTEM	
< 25	61	6%	721	8%
25 to 29	691	71%	5,799	65%
30 to 34	128	13%	1,249	14%
35 to 39	41	4%	462	5%
40 to 49	36	4%	411	5%
50 to 64	~	~	222	2%
> 64	~	~	17	0%
Unknown	-	0%	2	0%
Total	968	100%	8,881	100%
Mean Age:	28.3		29.1	



5. Place of Residence (at time of survey):	ENGINR		SYSTEM	
BC - Lower Mainland	518	66%	4,457	62%
BC - Vancouver Island	57	7%	908	13%
BC - North	~	~	251	3%
BC - Southern Interior	49	6%	560	8%
BC Subtotal	646	82%	6,176	86%
Canada - Alberta	60	8%	450	6%
Canada - Ontario	30	4%	262	4%
Canada - Other	29	4%	197	3%
U.S.A.	~	~	134	2%
Non-BC Subtotal	143	18%	1,043	14%
Total	789	100%	7,219	100%

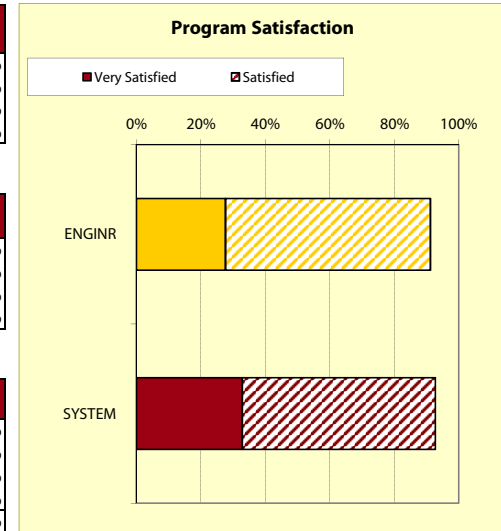


EDUCATION EVALUATION AND SKILL DEVELOPMENT

6. Usefulness of Knowledge, Skills, and Abilities Acquired during Program in Work:	ENGINR		SYSTEM	
Very Useful	276	35%	2,885	40%
Somewhat Useful	426	53%	3,231	45%
Not Very Useful	71	9%	806	11%
Not at All Useful	27	3%	313	4%

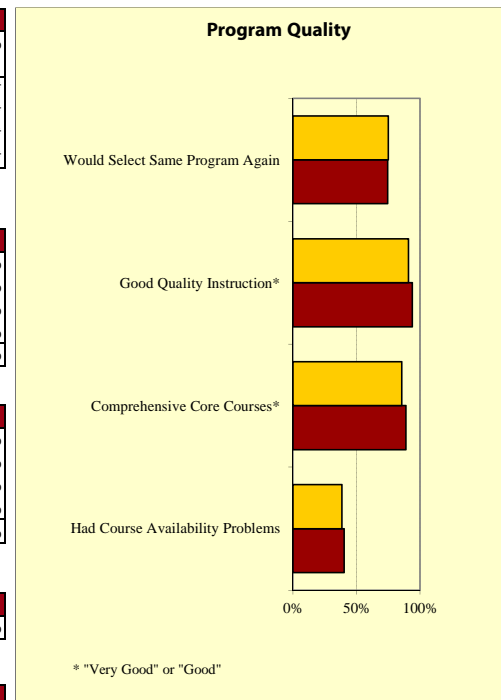
7. Usefulness of Knowledge, Skills, and Abilities Acquired during Program in Day-to-day Life:	ENGINR		SYSTEM	
Very Useful	141	18%	1,884	26%
Somewhat Useful	436	55%	3,903	54%
Not Very Useful	181	23%	1,204	17%
Not at All Useful	40	5%	243	3%

8. Program Satisfaction:	ENGINR		SYSTEM	
Very Satisfied	266	28%	2,896	33%
Satisfied	611	64%	5,291	60%
Dissatisfied	74	8%	559	6%
Very Dissatisfied	11	1%	87	1%
Total	962	100%	8833	100%



9. Would you select the same program again?	ENGINR		SYSTEM	
Yes	686	75%	6,285	74%
No, because... (multiple response question)	228		2,157	
... interests have changed	69	12%*	565	11%*
... courses were not practical	100	17%*	964	18%*
... little or no career opportunities	89	15%*	1,128	21%*
... other	319	55%*	2,619	50%*

\* Percent of total responses, among those who would not take program again



10. Quality of Instruction:	ENGINR		SYSTEM	
Very Good	217	23%	2,848	32%
Good	655	68%	5,444	62%
Poor	83	9%	494	6%
Very Poor	5	1%	38	0%
Total	960	100%	8,824	100%

11. Comprehensiveness of Core Courses:	ENGINR		SYSTEM	
Very Good	215	23%	2,390	27%
Good	602	63%	5,325	61%
Poor	127	13%	885	10%
Very Poor	11	1%	97	1%
Total	955	100%	8,697	100%

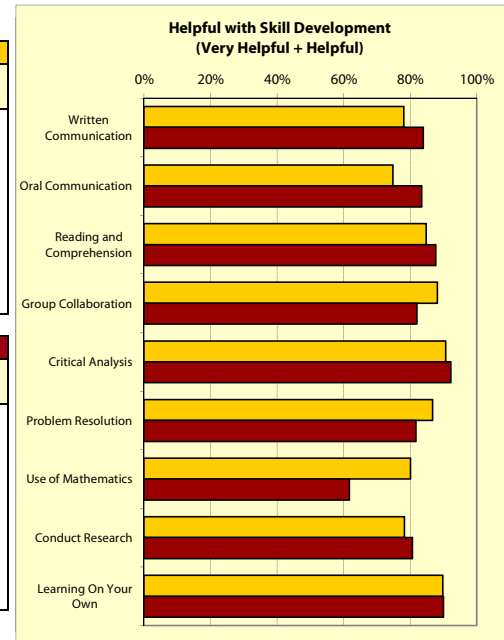
12. Course Availability:	ENGINR		SYSTEM	
Encountered course availability problems	370	39%	3,545	40%

13. Financial Constraints:	ENGINR		SYSTEM	
Had to interrupt studies for financial reasons	87	9%	1,117	13%
Had to take all/part of program part-time for financial reason	138	14%	1,769	20%

**SKILL DEVELOPMENT**

**14a.**

Skill Development: How helpful was institution?	ENGINR				# Resp.
	Very Helpful	Helpful	Not Very Helpful	Not at all Helpful	
Written Communication	21%	57%	18%	4%	949
Oral Communication	19%	56%	23%	3%	947
Reading and Comprehension	25%	60%	14%	1%	946
Group Collaboration	36%	53%	11%	1%	963
Critical Analysis	41%	50%	9%	0%	962
Problem Resolution	32%	54%	12%	1%	954
Use of Mathematics Appropriate to Field	32%	48%	18%	2%	935
Conduct Research	29%	49%	19%	2%	938
Learning On Your Own	42%	48%	9%	2%	957



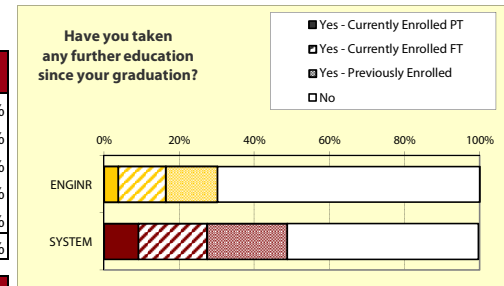
**14b.**

Skill Development: How helpful was institution?	SYSTEM				# Resp.
	Very Helpful	Helpful	Not Very Helpful	Not at all Helpful	
Written Communication	29%	55%	14%	2%	8,630
Oral Communication	26%	57%	15%	2%	8,678
Reading and Comprehension	30%	57%	11%	1%	8,652
Group Collaboration	31%	51%	16%	2%	8,703
Critical Analysis	44%	48%	7%	1%	8,807
Problem Resolution	24%	57%	16%	2%	8,599
Use of Mathematics Appropriate to Field	17%	44%	29%	10%	7,150
Conduct Research Appropriate to Field	31%	49%	17%	3%	8,503
Learning On Your Own	36%	54%	9%	1%	8,699

**FURTHER EDUCATION**

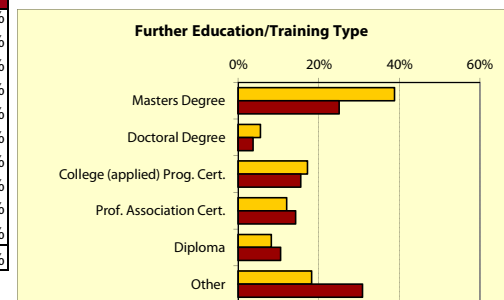
**15a.**

Took further education since 2012 graduation	ENGINR	SYSTEM
Yes:	293	4,358
Not currently enrolled	133	1,889
Currently enrolled full-time	122	1,619
Currently enrolled part-time	37	814
No	673	4,502
Total	966	8,860



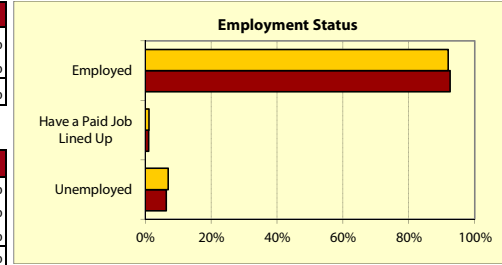
**15b.**

Type of Formal Post-Secondary Education	ENGINR	SYSTEM
Masters Degree	113	1,079
Doctoral Degree	16	159
College (applied) Program Certification	50	667
Professional Association Certification	35	613
Diploma	24	451
Doctor of Medicine (MD)	3	106
Doctor of Dental Medicine (DMD)	-	18
Education/Teacher Training	2	318
Law	2	128
Other	46	758
Total Respondents	291	4,297



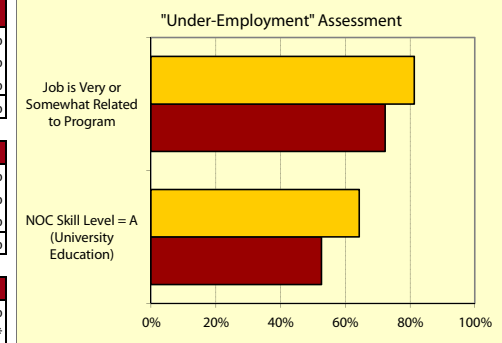
**EMPLOYMENT**

16. Labour Force Status:	ENGINR		SYSTEM	
In Labour Force (working or seeking work)	874	91%	7,846	89%
Not in Labour Force	89	9%	994	11%
Grand Total	963	100%	8,840	100%



17. Employment Status of those IN Labour Force:	ENGINR		SYSTEM	
Employed	803	92%	7,260	93%
Have a Paid Job Lined Up	10	1%	85	1%
Unemployed	61	7%	501	6%
Total Labour Force	874	100%	7,846	100%

18. Status of Graduates NOT in Labour Force:	ENGINR		SYSTEM	
Attending School FT	65	73%	737	74%
Attending School PT	1	1%	30	3%
Other	23	26%	227	23%
Total NOT in Labour Force	89	100%	994	100%

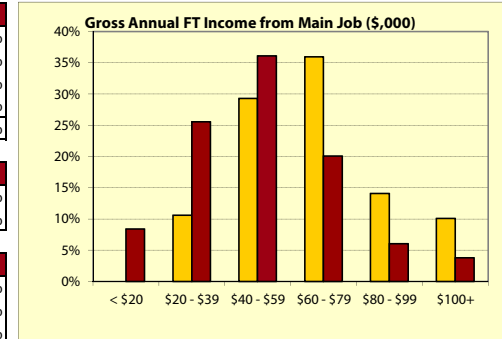


19. Employment Type:	ENGINR		SYSTEM	
Paid worker	716	89%	6,362	88%
Self-employed	30	4%	326	4%
Both a paid worker and self-employed	55	7%	560	8%
Total Employed	803	100%	7,260	100%

20. Job Characteristics:	ENGINR		SYSTEM	
I hold more than one job	85	11%*	1,547	21%
My main job is full-time (>= 30 hours per week)	752	96%**	5,902	85%**

\* of total employed      \*\* of those who provided data on hours/week worked

21. How related is your main job to your program?:	ENGINR		SYSTEM	
Very Related	390	49%	3,176	44%
Somewhat Related	263	33%	2,068	29%
Not Very Related	84	10%	946	13%
Not At All Related	66	8%	1,060	15%
Total	803	100%	7,250	100%



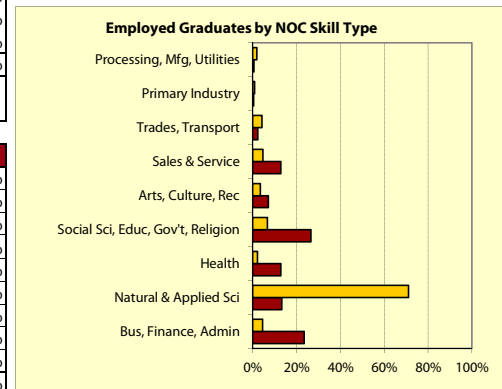
22. "Under-employment" Assessment:	ENGINR		SYSTEM	
Job is very or somewhat related to program	653	81%	5,244	72%
NOC Skill Level = A (University Education)	482	64%	3,500	53%

\* of total valid responses

23. Gross Annual Income from Main Job:*	ENGINR		SYSTEM	
Less than \$20,000	~	~	454	8%
\$20,000 to \$39,999	64	11%	1,380	26%
\$40,000 to \$59,999	177	29%	1,949	36%
\$60,000 to \$79,999	217	36%	1,083	20%
\$80,000 to \$99,999	85	14%	327	6%
\$100,000 and Above	61	10%	205	4%
Total	604	100%	5,398	100%
Median Annual Income (full-time)	\$63,000		\$50,000	
Average Annual Income (full-time)	\$67,868		\$54,178	

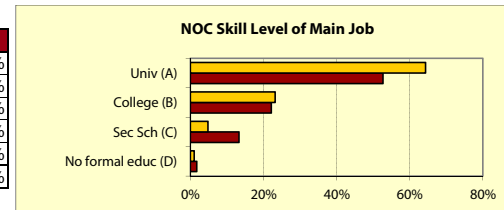
\* where data provided

24. NOC Skill Type of Main Job:	ENGINR		SYSTEM	
Business, Finance and Administration	34	5%	1,551	23%
Natural and Applied Sciences and Related	530	71%	885	13%
Health	17	2%	851	13%
Social Sciences, Educ., Gov't Services, Religion	50	7%	1,759	27%
Arts, Culture, Recreation and Sport	26	3%	479	7%
Sales and Service	35	5%	848	13%
Trades, Transport and Equip. Operators and Related	32	4%	161	2%
Unique to the Primary Industry	7	1%	32	0%
Unique to Processing, Manufacturing and Utilities	14	2%	42	1%
Total	745	100%	6,608	100%

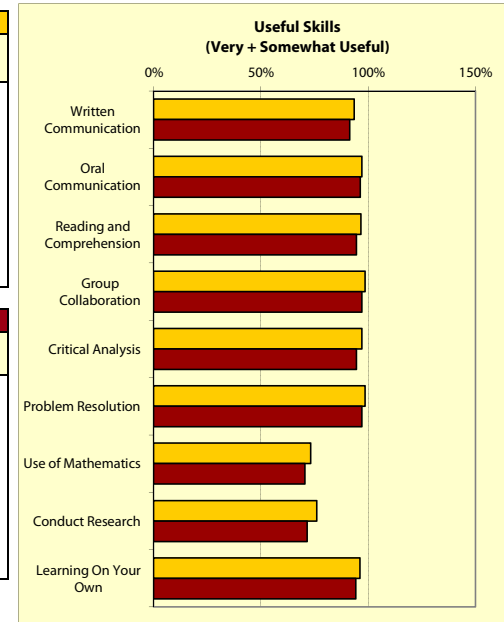


**EMPLOYMENT, continued**

25. NOC Skill Level of Main Job:	ENGINR		SYSTEM	
A. University education	482	64%	3,500	53%
B. College education/trade apprenticeship	174	23%	1,472	22%
C. Secondary school + job-specific training	36	5%	881	13%
D. No formal education	8	1%	115	2%
No skill level assigned (management)	49	7%	675	10%
Total	749	100%	6,643	100%



26a. How useful are the following skills and abilities in doing your main job?	ENGINR				
	Very Useful	Somewhat Useful	Not Very Useful	Not at all Useful	# Resp.
Written Communication	66%	27%	5%	2%	800
Oral Communication	77%	20%	2%	1%	800
Reading and Comprehension	71%	25%	2%	1%	800
Group Collaboration	78%	20%	1%	0%	799
Critical Analysis	79%	18%	2%	1%	799
Problem Resolution	82%	17%	1%	1%	799
Use of Mathematics Appropriate to Field	31%	42%	22%	5%	795
Use of Computers Appropriate to Field	37%	39%	18%	6%	795
Learning On Your Own	73%	23%	2%	2%	798



26b. How useful are the following skills and abilities in doing your main job?	SYSTEM				
	Very Useful	Somewhat Useful	Not Very Useful	Not at all Useful	# Resp.
Written Communication	69%	23%	5%	3%	7,240
Oral Communication	79%	17%	2%	1%	7,241
Reading and Comprehension	72%	22%	3%	1%	7,239
Group Collaboration	82%	16%	2%	1%	7,242
Critical Analysis	75%	19%	4%	2%	7,240
Problem Resolution	80%	17%	2%	1%	7,241
Use of Mathematics Appropriate to Field	34%	37%	19%	11%	7,125
Ability to Conduct Research	37%	34%	17%	11%	7,149
Learning On Your Own	69%	25%	4%	2%	7,230

27a. Top 10 Full-time Occupations of ENGINR Graduates:				ENGINR
NOC	NOC Skill Level	Description		% Employed FT in this Occ.**
2174	A	Computer Programmers/Interactive Media Developers		10%
2173	A	Software Engineers		7%
2131	A	Civil Engineers		6%
2132	A	Mechanical Engineers		6%
2133	A	Electrical & Electronics Engineers		5%
4161	A	Natural/App Sci Policy Rsrchrs		2%
2171	A	Information Systems Analysts and Consultants		2%
0711	N/A	Construction Managers		2%
2223	B	Forestry Technologists & Technicians		2%
2263	B	Inspectors in Public & Env Health		2%

\*data not displayed where n < 5

\*\*percentages cited are of those for whom occupational data was provided, full-time and part-time

27b. Top 10 Full-time Occupations of Graduates from All Institutions:				SYSTEM
NOC	NOC Skill Level	Description		% Employed FT in this Occ.**
3152	A	Registered Nurses		6%
1111	A	Financial Auditors & Accnts		4%
4142	A	Elem & Kindergarten Teacher		4%
4141	A	Secondary School Teachers		3%
4212	B	Community & Social Svc Workers		2%
5124	A	Occs in Public Relations & Comm		2%
2174	A	Computer Programmers/Interactive Media Developers		1%
0611	N/A	Sales, Marketing & Advrt Managers		1%
0621	N/A	Retail Trade Managers		1%
4163	A	Econ Devt Officers, Etc		1%

\*data not displayed where n < 5

\*\*percentages cited are of those for whom occupational data was provided, full-time and part-time

**EDUCATION FINANCING**

28. Education Funding Sources (2 sources per respondent):	ENGINR		SYSTEM	
Personal Savings	208	24%*	2,273	28%*
Employment	344	39%*	3,927	49%*
Family/Friends	431	49%*	4,017	50%*
Bank Loans	59	7%*	646	8%*
Student Loans	346	39%*	3,113	39%*
Scholarships/Bursaries/Grants	159	18%*	1,353	17%*
Other	213	24%*	691	9%*
<b>Total Respondents</b>	<b>884</b>		<b>8,085</b>	

\* Percentage of respondents who identified this source

29. Financial Debt Incurred to Finance Bac. Education:	ENGINR		SYSTEM	
Incurred any form of financial debt	414	47%*	3,834	48%*
Incurred government-sponsored student loan debt	337	38%*	2,927	36%*

\* Percentage of respondents who provided data

30. Financial Debt Amount:*	ENGINR		SYSTEM	
< \$1,000	-	0%	5	0%
\$1,000 to \$4,999	14	3%	191	5%
\$5,000 to \$9,999	43	10%	420	11%
\$10,000 to \$14,999	50	12%	511	13%
\$15,000 to \$19,999	40	10%	383	10%
\$20,000 to \$29,999	88	21%	789	21%
\$30,000 to \$39,999	77	19%	636	17%
\$40,000 or More	102	25%	899	23%
<b>Total</b>	<b>414</b>	<b>100%</b>	<b>3,834</b>	<b>100%</b>
<b>Median Financial Debt</b>	<b>\$25,000</b>		<b>\$22,000</b>	

\*includes only cases where financial debt was incurred

31. Government-Sponsored Student Loan Debt Amount:*	ENGINR		SYSTEM	
< \$1,000	-	0%	5	0%
\$1,000 to \$4,999	16	5%	146	5%
\$5,000 to \$9,999	37	11%	340	12%
\$10,000 to \$14,999	48	14%	413	14%
\$15,000 to \$19,999	45	13%	343	12%
\$20,000 to \$29,999	75	22%	656	22%
\$30,000 to \$39,999	53	16%	467	16%
\$40,000 or More	63	19%	557	19%
<b>Total</b>	<b>337</b>	<b>100%</b>	<b>2,927</b>	<b>100%</b>
<b>Median Gov't-Sponsored Student Loan Debt</b>	<b>\$20,000</b>		<b>\$20,000</b>	

\*includes only cases where government-sponsored debt was incurred

32. Outstanding Gov't-Sponsored Loan Debt Amount:*	ENGINR		SYSTEM	
None - Loan repaid in full	131	41%	691	25%
< \$1,000	2	1%	9	0%
\$1,000 to \$4,999	17	5%	191	7%
\$5,000 to \$9,999	27	8%	275	10%
\$10,000 to \$14,999	28	9%	287	11%
\$15,000 to \$19,999	22	7%	260	10%
\$20,000 to \$29,999	40	13%	427	16%
\$30,000 to \$39,999	25	8%	267	10%
\$40,000 or More	28	9%	318	12%
<b>Total</b>	<b>320</b>	<b>100%</b>	<b>2,725</b>	<b>100%</b>
<b>Median Gov't-Sponsored Loan Debt Outstanding</b>	<b>\$6,000</b>		<b>\$12,000</b>	

\*includes only cases where government-sponsored debt was incurred, and valid "amount remaining" was provided

