

# B.C. University Student Outcomes 2001 Survey of 1996 Baccalaureate Graduates

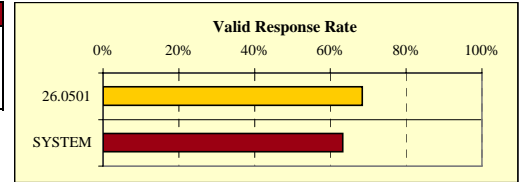
Detailed Summary of Survey Results  
All Institutions

6 Digit CIP: 26.0501: Microbiology/Bacteriology

■ SYSTEM  
■ 26.0501

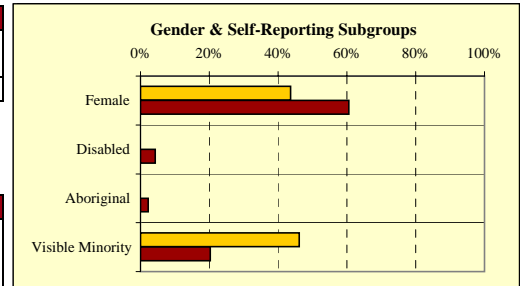
## RESPONSE RATE

1. Survey Response Rate:	26.0501	SYSTEM
Baccalaureate Graduates Survey Cohort	67	9,531
Net Frame	57	8,613
Survey Respondents and Valid Response Rate	39	5,449
	68%	63%



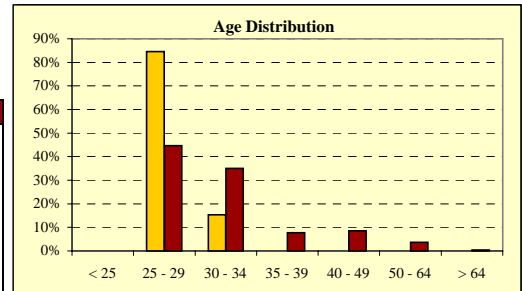
## DEMOGRAPHIC INFORMATION

2. Gender:	26.0501	SYSTEM
Male	22	2,147
Female	17	3,302
Total	39	5,449
	100%	100%

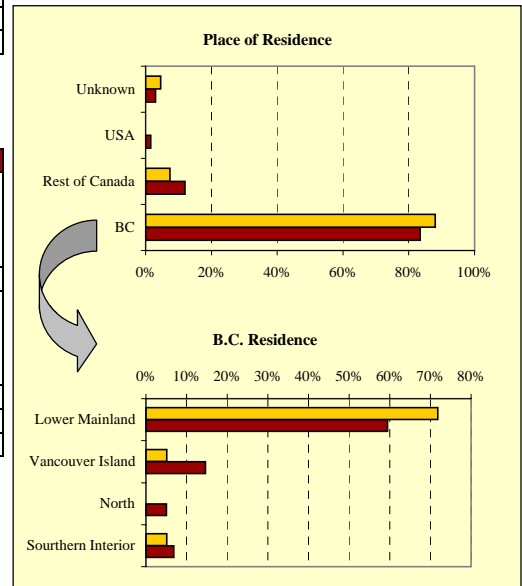


3. Self-Reporting Subgroups:	26.0501	SYSTEM
Disabled	-	234
Aboriginal	-	124
Visible Minority	18	1,104
	46%	20%

4. Age (at time of survey):	26.0501	SYSTEM
< 25	-	2
25 to 29	33	2,413
30 to 34	6	1,895
35 to 39	-	421
40 to 49	-	461
50 to 64	-	199
> 64	-	19
Unknown	-	39
Total	39	5,410
	100%	100%
Mean Age:	28.2	32.4

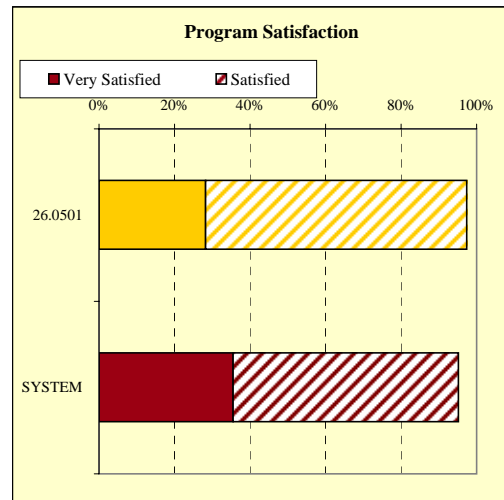


5. Place of Residence (at time of survey):	26.0501	SYSTEM
BC - Lower Mainland	28	3,241
BC - Vancouver Island	2	800
BC - North	-	276
BC - Southern Interior	2	372
B.C. Subtotal	32	4,689
Canada - Alberta	2	193
Canada - Ontario	2	212
Canada - Other	1	91
U.S.A.	2	146
Non-B.C. Subtotal	7	642
Unknown	-	118
Total	39	5,449
	100%	100%



EDUCATION SATISFACTION & PROGRAM EVALUATION

6. Program Satisfaction:	26.0501		SYSTEM	
Very Satisfied	11	28%	1,932	36%
Satisfied	27	69%	3,246	60%
Dissatisfied	1	3%	228	4%
Very Dissatisfied	-	0%	30	1%
Total	39	100%	5,436	100%

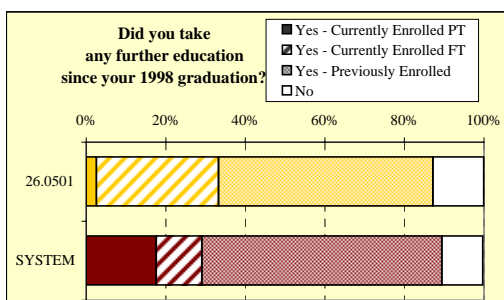


7. Would you select the same program again?	26.0501		SYSTEM	
Yes	22	58%	3,866	73%
No, because . . . (multiple response question)	16		1,420	
. . . not enough course variety offered	-	0%*	23	1%*
. . . skills acquired were not very useful	2	12%*	136	7%*
. . . courses were poorly taught	-	0%*	29	2%*
. . . program was too general	-	0%*	149	8%*
. . . courses were not practical	2	12%*	242	13%*
. . . interests have changed	4	24%*	356	20%*
. . . little or no career opportunities	8	47%*	511	28%*
. . . disagree with grading system	-	0%*	2	0%*
. . . disliked institution	-	0%*	6	0%*
. . . other	1	6%*	368	20%*

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

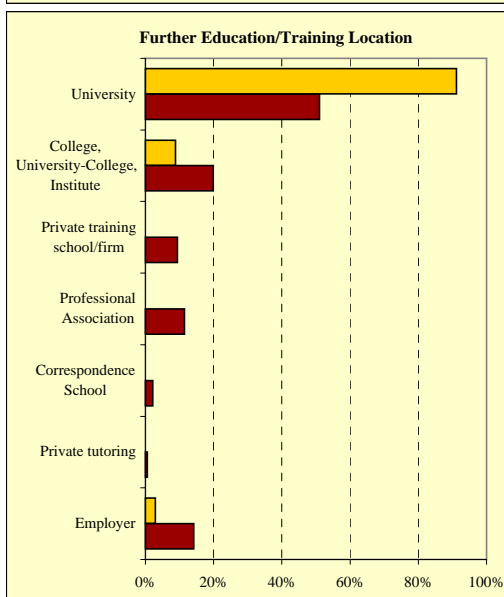
FURTHER EDUCATION

8. Took further education since 1996 graduation?	26.0501		SYSTEM	
Yes:	34	87%	4,885	90%
Not currently enrolled	21	54%	3,285	60%
Currently enrolled full-time	12	31%	628	12%
Currently enrolled part-time	1	3%	961	18%
No	5	13%	564	10%
Total	39	100%	5,449	100%



9. Further education/training location (multiple resp.):*	26.0501		SYSTEM	
University	31	91%*	2,494	51%*
College, University-College, Institute	3	9%*	972	20%*
Private training school/firm	-	0%*	457	9%*
Professional Association	-	0%*	557	11%*
Correspondence School	-	0%*	105	2%*
Private Tutoring	-	0%*	29	1%*
Employer	1	3%*	691	14%*
Other	-	0%*	163	3%*
Total Respondents	34		4,885	

\* Percent of respondents



10. Main Reason for Further Education:	26.0501		SYSTEM	
Pursue another Bachelor degree	3	9%	315	6%
Pursue Masters studies	7	20%	566	10%
Pursue Doctoral studies	9	26%	138	3%
Career / job / employment related	15	43%	3,421	63%
Challenge myself intellectually	-	0%	446	8%
To please parents/family	-	0%	3	0%
Did not have a primary/main reason for enrolling	-	0%	13	0%
Required by employer	-	0%	173	3%
Other	1	3%	382	7%
Total	35	100%	5,457	100%

Detailed Summary of Survey Results

All Institutions

6 Digit CIP: 26.0501: Microbiology/Bacteriology

■ SYSTEM  
■ 26.0501

EMPLOYMENT

11. Labour Force Status:	26.0501	SYSTEM
In Labour Force (working or seeking work)	32 82%	4,952 91%
Not in Labour Force	7 18%	497 9%
Grand Total	39 100%	5,449 100%

12. Employment Status of those IN Labour Force:	26.0501	SYSTEM
Employed	32 100%	4,749 96%
Have a paid job lined up	- 0%	49 1%
Unemployed	- 0%	154 3%
Total Labour Force	32 100%	4,952 100%

13. Status of Graduates NOT in Labour Force:	26.0501	SYSTEM
Attending School FT	6 86%	225 45%
Attending School PT	- 0%	27 5%
Other	1 14%	245 49%
Total NOT in Labour Force	7 100%	497 100%

14. Employment Type:	26.0501	SYSTEM
Paid worker	25 78%	4,135 87%
Self-employed	6 19%	379 8%
Both a paid worker and self-employed	1 3%	235 5%
Total Employed	32 100%	4,749 100%

15. Job Characteristics:	26.0501	SYSTEM
I hold more than one job	2 6%*	706 15%*
My main job is full-time (>= 30 hours per week)	28 88%**	4,014 86%**

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

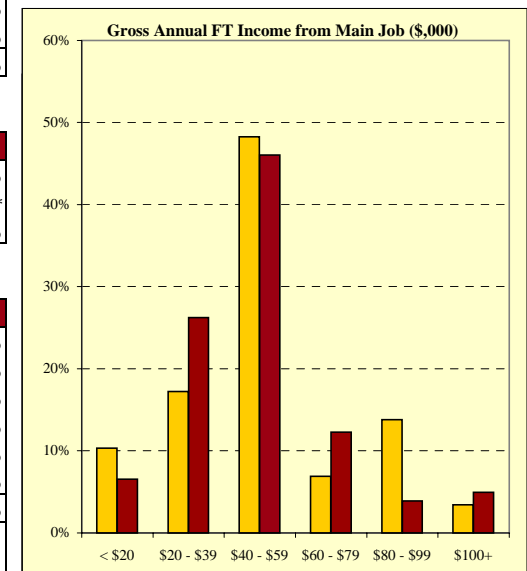
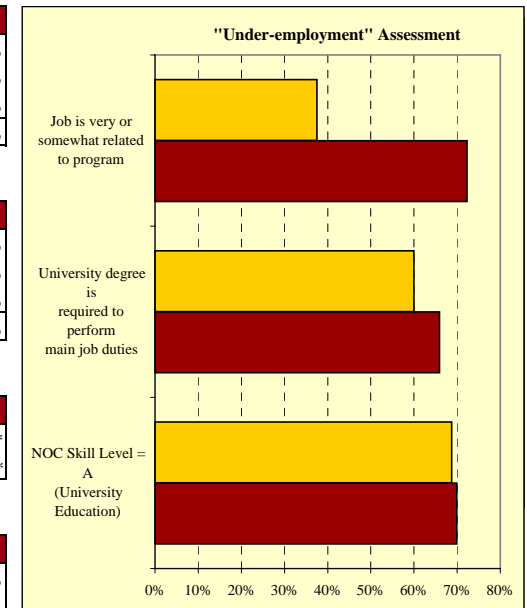
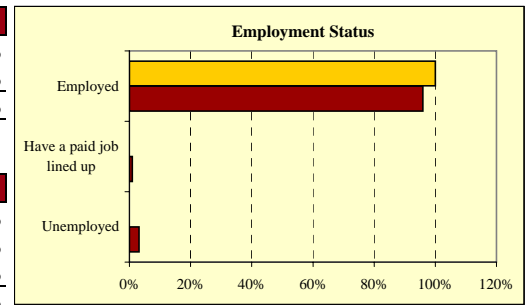
16. How related is your main job to your program?	26.0501	SYSTEM
Very Related	3 9%	1,940 41%
Somewhat Related	9 28%	1,492 31%
Not Very Related	9 28%	601 13%
Not At All Related	11 34%	712 15%
Total	32 100%	4,745 100%

17. "Under-employment" Assessment:	26.0501	SYSTEM
Job is very or somewhat related to program	12 38%	3,432 72%
University degree is required to perform main job duties	18 60%*	3,000 66%*
NOC Skill Level = A (University Education)	22 69%	3,300 70%

\* of total valid responses

18. Gross Annual Income from Main Job:*	26.0501	SYSTEM
Less than \$20,000	3 10%	284 7%
\$20,000 to \$39,999	5 17%	1,138 26%
\$40,000 to \$59,999	14 48%	1,996 46%
\$60,000 to \$79,999	2 7%	533 12%
\$80,000 to \$99,999	4 14%	169 4%
\$100,000 and Above	1 3%	215 5%
Total	29 100%	4,335 100%
Median Annual Income (full-time)	\$45,000	\$45,680
Average Annual Income (full-time)	\$56,391	\$54,596

\* where data provided



Detailed Summary of Survey Results

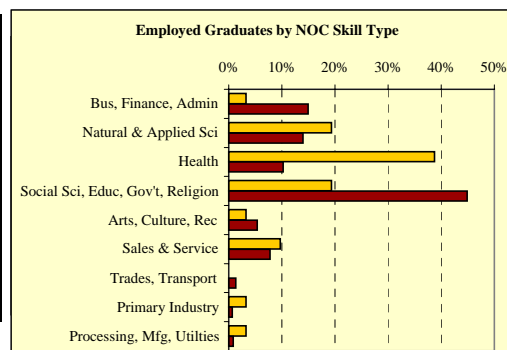
All Institutions

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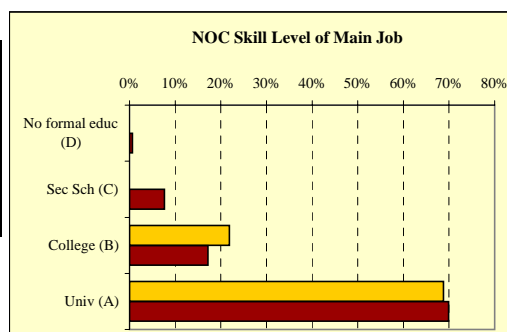
■ SYSTEM  
■ 26.0501

EMPLOYMENT, continued

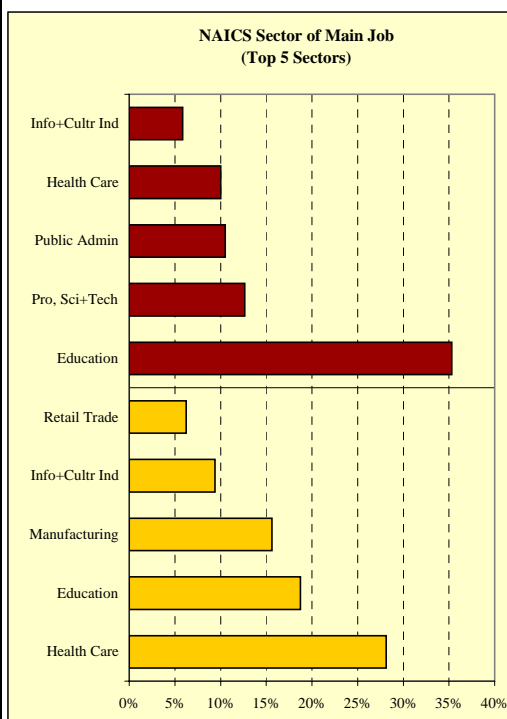
19. NOC Skill Type of Main Job:	26.0501	SYSTEM		
Business, Finance and Administration	1	3%	703	15%
Natural and Applied Sciences and Related	6	19%	659	14%
Health	12	39%	482	10%
Social Sciences, Educ., Gov't Services, Religion	6	19%	2,112	45%
Arts, Culture, Recreation and Sport	1	3%	252	5%
Sales and Service	3	10%	366	8%
Trades, Transport and Eqp. Operators and Related	-	0%	62	1%
Unique to the Primary Industry	1	3%	31	1%
Unique to Processing, Manufacturing and Utilities	1	3%	40	1%
Total	31	100%	4,707	100%



20. NOC Skill Level of Main Job:	26.0501	SYSTEM		
A. University education	22	69%	3,300	70%
B. College education/trade apprenticeship	7	22%	811	17%
C. Secondary school + job-specific training	-	0%	361	8%
D. No formal education	-	0%	29	1%
No Skill Level assigned (management)	3	9%	218	5%
Total	32	100%	4,719	100%



21. NAICS Sector of Main Job:	26.0501	SYSTEM		
Agriculture, Forestry, Fishing and Hunting	*	*	48	1%
Mining and Oil and Gas Extraction	*	*	17	0%
Utilities	*	*	20	0%
Construction	*	*	33	1%
Manufacturing	5	16%	271	6%
Wholesale Trade	*	*	46	1%
Retail Trade	2	6%	157	3%
Transportation and Warehousing	*	*	76	2%
Information and Cultural Industries	3	9%	275	6%
Finance and Insurance	*	*	231	5%
Real Estate and Rental and Leasing	*	*	31	1%
Professional, Scientific and Technical Services	2	6%	594	13%
Management of Companies and Enterprises	*	*	*	*
Admin., Support, Waste Mgmt., Remediation Svcs.	*	*	28	1%
Education Services	6	19%	1659	35%
Health Care and Social Assistance	9	28%	471	10%
Arts, Entertainment and Recreation	*	*	89	2%
Accommodation and Food services	2	6%	61	1%
Other Service (except Public Administration)	*	*	97	2%
Public Administration	*	*	494	11%
Total	32	100%	4698	100%



\*data not displayed where n < 2

Detailed Summary of Survey Results

All Institutions

6 Digit CIP: 26.0501: Microbiology/Bacteriology

■ SYSTEM  
■ 26.0501

EMPLOYMENT, continued

22a. **Top 10 Full-time Occupations of 26.0501 Graduates:**

			26.0501	
NOC	Skill Level Description		% Employed FT in this Occ.**	Median FT Salary
3112	A	General Practitioners	13%	\$42,000
3113	A	Dentists	9%	\$90,000
2173	A	Software Engineers	6%	\$54,000
4165	A	Health Policy Researchers	6%	\$41,500
*				
*				
*				
*				
*				

\*data not displayed where n < 2

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

22b. **Top 10 Full-time Occupations of Graduates from All Institutions:**

			SYSTEM	
NOC	Skill Level Description		% Employed FT in this Occ.**	Median FT Salary
4141	A	Secondary School Teachers	11%	\$43,000
4142	A	Elem & Kindergarten Teacher	11%	\$42,000
4112	A	Lawyers & Quebec Notaries	3%	\$75,000
3152	A	Registered Nurses	3%	\$51,474
1111	A	Financial Auditors & Acnts	2%	\$58,250
2173	A	Software Engineers	2%	\$72,000
1122	A	Occs in Bus Srvc to Mgmt	2%	\$65,000
4212	B	Community & Social Srvc Workers	1%	\$36,000
4131	A	College & Other Voc Instructors	1%	\$41,600
1114	A	Other Financial Officers	1%	\$56,000

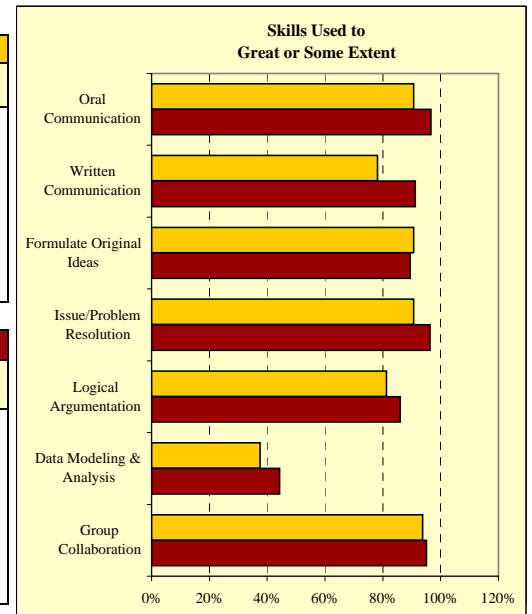
\*data not displayed where n < 2

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

SKILLS USED IN EMPLOYMENT

23a. **To what extent do you use [the following skills] in your main job?**

	26.0501				# Resp.
	Great Extent	Some Extent	Small Extent	No Extent	
Oral Communication	84%	6%	9%	0%	32
Written Communication	53%	25%	16%	6%	32
Formulate Original Ideas	56%	34%	6%	3%	32
Issue/Problem Resolution	75%	16%	6%	3%	32
Logical Argumentation	50%	31%	16%	3%	32
Data Modeling & Analysis	13%	25%	34%	28%	32
Group Collaboration	69%	25%	6%	0%	32



23b. **To what extent do you use [the following skills] in your main job?**

	SYSTEM				# Resp.
	Great Extent	Some Extent	Small Extent	No Extent	
Oral Communication	81%	16%	3%	1%	4,741
Written Communication	69%	22%	6%	3%	4,737
Formulate Original Ideas	54%	36%	8%	2%	4,737
Issue/Problem Resolution	77%	19%	3%	1%	4,741
Logical Argumentation	52%	34%	11%	3%	4,731
Data Modeling & Analysis	19%	25%	29%	27%	4,723
Group Collaboration	77%	18%	4%	1%	4,741

Detailed Summary of Survey Results

All Institutions

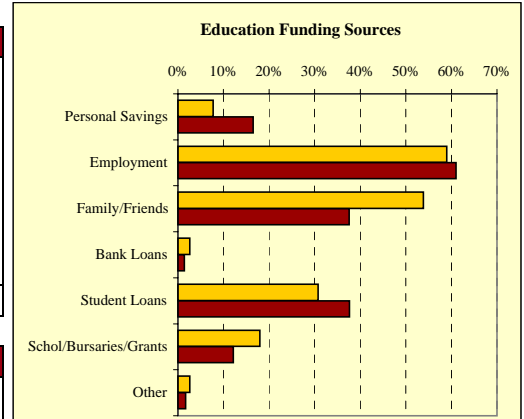
6 Digit CIP: 26.0501: Microbiology/Bacteriology

SYSTEM  
26.0501

EDUCATION FINANCING

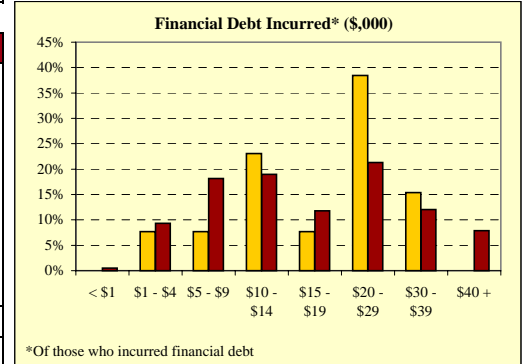
24. Education Funding Sources (2 sources per respondent):	26.0501	SYSTEM
Personal Savings	3 8%*	898 16%*
Employment	23 59%*	3,323 61%*
Family/Friends	21 54%*	2,048 38%*
Bank Loans	1 3%*	75 1%*
Student Loans	12 31%*	2,051 38%*
Scholarships/Bursaries/Grants	7 18%*	661 12%*
Other	1 3%*	90 2%*
<b>Total Respondents</b>	<b>39</b>	<b>5,449</b>

\* Percentage of respondents who identified this source



25. Financial Debt Incurred to Finance Univ. Education:	26.0501	SYSTEM
Incurred any form of financial debt	13 33%*	2,471 47%*
Incurred government-sponsored student loan debt	10 27%*	2,106 40%*

\* Percentage of respondents who provided data



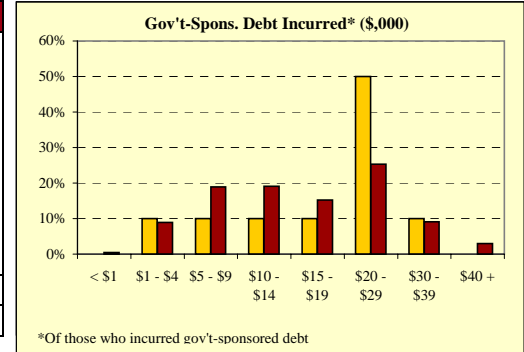
\*Of those who incurred financial debt

26. Financial Debt Amount:*	26.0501	SYSTEM
< \$1,000	- 0%	12 0%
\$1,000 to \$4,999	1 8%	231 9%
\$5,000 to \$9,999	1 8%	448 18%
\$10,000 to \$14,999	3 23%	469 19%
\$15,000 to \$19,999	1 8%	291 12%
\$20,000 to \$29,999	5 38%	527 21%
\$30,000 to \$39,999	2 15%	298 12%
\$40,000 or More	- 0%	195 8%
<b>Total</b>	<b>13 100%</b>	<b>2,471 100%</b>
<b>Median Financial Debt</b>	<b>\$20,000</b>	<b>\$15,000</b>

\*includes only cases where financial debt was incurred

27. Government-Sponsored Student Loan Debt Amount:*	26.0501	SYSTEM
< \$1,000	- 0%	10 0%
\$1,000 to \$4,999	1 10%	187 9%
\$5,000 to \$9,999	1 10%	399 19%
\$10,000 to \$14,999	1 10%	402 19%
\$15,000 to \$19,999	1 10%	321 15%
\$20,000 to \$29,999	5 50%	533 25%
\$30,000 to \$39,999	1 10%	192 9%
\$40,000 or More	- 0%	62 3%
<b>Total</b>	<b>10 100%</b>	<b>2,106 100%</b>
<b>Median Gov't-Sponsored Student Loan Debt</b>	<b>\$20,000</b>	<b>\$15,000</b>

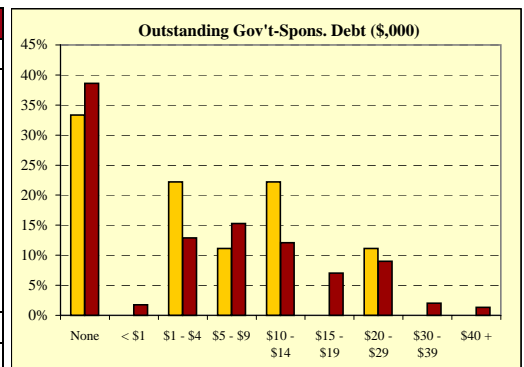
\*includes only cases where government-sponsored debt was incurred



\*Of those who incurred gov't-sponsored debt

28. Outstanding Gov't-Sponsored Loan Debt Amount:*	26.0501	SYSTEM
None - Loan repaid in full	3 33%	747 39%
< \$1,000	- 0%	34 2%
\$1,000 to \$4,999	2 22%	249 13%
\$5,000 to \$9,999	1 11%	296 15%
\$10,000 to \$14,999	2 22%	234 12%
\$15,000 to \$19,999	- 0%	136 7%
\$20,000 to \$29,999	1 11%	174 9%
\$30,000 to \$39,999	- 0%	39 2%
\$40,000 or More	- 0%	26 1%
<b>Total</b>	<b>9 100%</b>	<b>1,935 100%</b>
<b>Median Gov't-Sponsored Loan Debt Outstanding</b>	<b>\$2,000</b>	<b>\$3,600</b>

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



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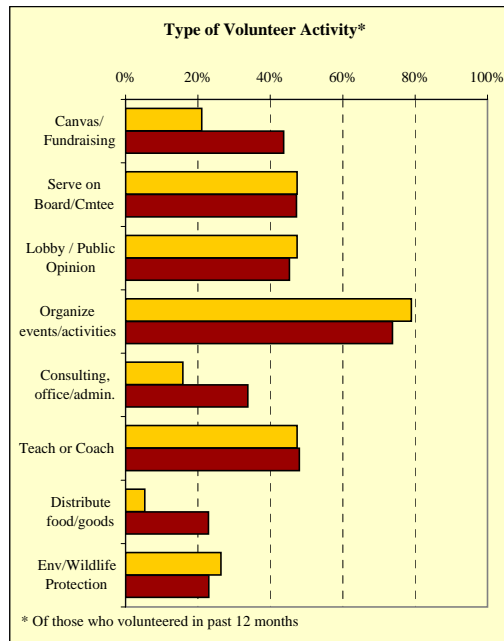
SYSTEM  
26.0501

SPECIAL SECTION ON COMMUNITY INVOLVEMENT / VOLUNTEER ACTIVITY

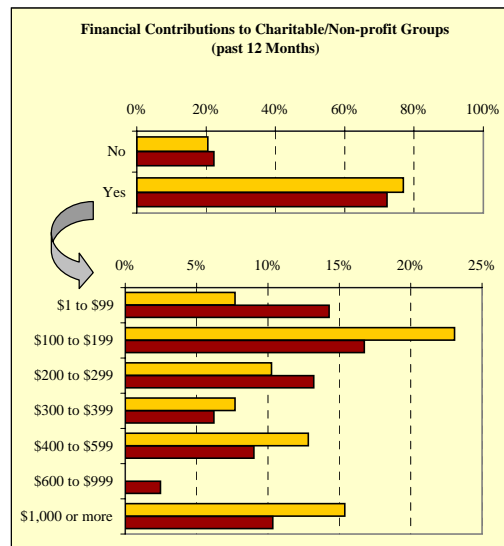
29.	In the past 12 months, have you acted as an unpaid volunteer?	26.0501	SYSTEM
	No	20 51%	2,237 41%
	Yes	19 49%	3,162 59%
	Volunteer Hours/Week (Median)	2	1

30.	In the past 12 months, as an unpaid volunteer for an organization did you...	26.0501	SYSTEM
	do any canvassing, campaigning or fundraising?	4 21%*	1,382 44%*
	serve as an unpaid member of a board or committee?	9 47%*	1,492 47%*
	provide information or help to educate, influence public opinion, or lobby others?	9 47%*	1,431 45%*
	help to organize/supervise activities/events for an organization?	15 79%*	2,331 74%*
	do any consulting, executive, office or administrative work?	3 16%*	1,067 34%*
	teach or coach for an organization?	9 47%*	1,517 48%*
	collect, serve or deliver food or other goods?	1 5%*	723 23%*
	engage in any activities aimed at protecting the environment or wildlife?	5 26%*	728 23%*

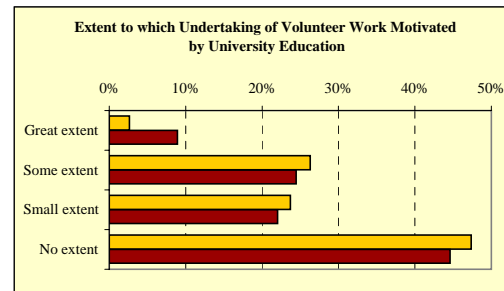
\*percentages are of those who have acted as an unpaid volunteer in the past 12 months



31.	Financial contributions to charitable or non-profit groups in past 12 months	26.0501	SYSTEM
	\$0 (None)	8 21%	1,212 22%
	\$1 to \$99	3 8%	778 14%
	\$100 to \$199	9 23%	913 17%
	\$200 to \$299	4 10%	719 13%
	\$300 to \$399	3 8%	339 6%
	\$400 to \$599	5 13%	491 9%
	\$600 to \$999	- 0%	134 2%
	\$1,000 or more	6 15%	563 10%
	Median Annual Contribution	\$200	\$200



32.	Member or Participant in...	26.0501	SYSTEM
	Union/Professional Association (work-related)	27 69%	3,621 66%
	Political organization	1 3%	283 5%
	Cultural, educational or hobby organization	11 28%	1,776 33%
	Sports or recreation organization	17 44%	2,369 43%
	Religious-affiliated group	10 26%	1,020 19%
	School group, civic, or community association	8 21%	1,449 27%
	Other	3 8%	470 9%



33.	To what extent did your university education motivate you to undertake volunteer work?	26.0501	SYSTEM
	Great extent	1 3%*	474 9%*
	Some extent	10 26%*	1,298 24%*
	Small extent	9 24%*	1,168 22%*
	No extent	18 47%*	2,367 45%*

\*percentages are of those who thought question was applicable