

**APPENDIX A:
TABLES OF SURVEY RESULTS BY SUBPOPULATIONS**

Respondent Characteristics

Table 1.	Percentage Distribution of Faculty Respondents, by Institutional Funding, Disciplinary Affiliation, Administrative Roles, and Principal Activity	38
Table 2.	Percentage Distribution of Faculty Respondents, by Academic Rank, Tenure Status, Race/Ethnicity, and Gender	39
Table 3.	Distribution of Faculty Respondents by Sources of Federal Research-Grant Funding	40

Grants Awarded/Grant Funding

Table 4.	Average Number of Federal Research Grants Received, by PI or Co-PI Status, Institutional Funding, Disciplinary Affiliation, Administrative Roles, and Principal Activity	41
Table 5.	Average Number of Federal Research Grants Received, by PI or Co-PI Status, Academic Rank, Tenure Status, Race/Ethnicity, and Gender	42
Table 6.	Average and Median Total Direct-Cost Funding (TDC) from Federal Research Grants Received, by Institutional Funding, Disciplinary Affiliation, Administrative Duties, and Principal Activity	43
Table 7.	Average and Median Total Direct-Cost Funding (TDC) from Federal Research Grants Received, by Academic Rank, Tenure Status, Race/Ethnicity, and Gender	44

Allocation of Time

Table 8.	Average Distribution of Faculty Respondents' Time Allocations by Institutional Funding, Disciplinary Affiliation, Administrative Roles, and Principal Activity	45
Table 9.	Average Distribution of Faculty Respondents' Time Allocations by Academic Rank, Tenure Status, Race/Ethnicity, and Gender	46
Table 10.	Average Distribution of Faculty Respondents' Research Time Spent on Federally Funded Grant Research, by Institutional Funding, Disciplinary Affiliation, Administrative Roles, and Principal Activity	47
Table 11.	Percentage Distribution of Faculty Respondents' Research Time Spent on Federally-Funded Grant Research, by Academic Rank, Tenure Status, Race/Ethnicity, and Gender	48

Research Burden

Table 12.	Average Distribution of Faculty Respondents' Administrative Burden	49
Table 13.	Average Distribution of Faculty Respondents' Administrative Burden,1 – Excludes Respondents who Reported Task Took No Time Away from Active Research	50
Table 14.	Average Distribution of Faculty Respondents' Administrative Burden,1 by Selected Funding Agencies	51

Research-Administration Burden Across Subgroups

Table 15.	Average Distribution of Faculty Respondents' Administrative Burden by Institutional Funding, Disciplinary Affiliation, Administrative Roles, and Principal Activity – Grant Progress-Report Submissions; Conflict-of-Interest Monitoring; Patent/Copyright Applications; Intellectual-Property Rights Applications	53
Table 16.	Average Distribution of Faculty Respondents' Administrative Burden by Academic Rank, Tenure Status, Race/Ethnicity, and Gender – Grant Progress-Report Submissions; Conflict-of-Interest Monitoring; Patent/Copyright Applications; Intellectual-Property Rights Applications	54
Table 17.	Average Distribution of Faculty Respondents' Administrative Burden by Institutional Funding, Disciplinary Affiliation, Administrative Roles, and Principal Activity – Safety Planning, Training, and Monitoring; Chemical-Inventory Management; Laboratory-Security Oversight; Equipment and Supply Purchases	55
Table 18.	Average Distribution of Faculty Respondents' Administrative Burden by Academic Rank, Tenure Status, Race/Ethnicity, and Gender – Safety Planning, Training, and Monitoring; Chemical-Inventory Management; Laboratory Security Oversight; Equipment and Supply Purchases	56
Table 19.	Average Distribution of Faculty Respondents' Administrative Burden by Institutional Funding, Disciplinary Affiliation, Administrative Roles, and Principal Activity – Personnel Hiring; Time and Effort Reporting; Personnel Evaluations; Payroll Issues	57
Table 20.	Average Distribution of Faculty Respondents' Administrative Burden by, Academic Rank, Tenure Status, Race/Ethnicity, and Gender – Personnel Hiring; Time and Effort Reporting; Personnel Evaluations; Payroll Issues	58
Table 21.	Average Distribution of Faculty Respondents' Administrative Burden by Institutional Funding, Disciplinary Affiliation, Administrative Roles, and Principal Activity – Budget Transfers; Cost-Accounting Issues; Cost-Sharing Agreements; Project-Revenue Management	59

Table 22.	Average Distribution of Faculty Respondents' Administrative Burden by Academic Rank, Tenure Status, Race/Ethnicity, and Gender – Budget Transfers; Cost-Accounting Issues; Cost-Sharing Agreements; Project-Revenue Management	60
Table 23.	Average Distribution of Faculty Respondents' Administrative Burden by Institutional Funding, Disciplinary Affiliation, Administrative Roles, and Principal Activity – Spending-Authority Oversight; Subcontracting and Collaborations; IACUC Protocols and Training; IACUC-Compliance Issues	61
Table 24.	Average Distribution of Faculty Respondents' Administrative Burden by Academic Rank, Tenure Status, Race/Ethnicity, and Gender – Spending-Authority Oversight; Subcontracting and Collaborations; IACUC Protocols and Training; IACUC-Compliance Issues	62
Table 25.	Average Distribution of Faculty Respondents' Administrative Burden by Institutional Funding, Disciplinary Affiliation, Administrative Roles, and Principal Activity – Training Personnel and Students; IRB Protocols and Training; IRB-Compliance Issues; HIPAA Compliance	63
Table 26.	Average Distribution of Faculty Respondents' Administrative Burden by Academic Rank, Tenure Status, Race/Ethnicity, and Gender – Training Personnel and Students; IRB Protocols and Training; IRB-Compliance Issues; HIPAA Compliance	64

Administrative Assistance

Table 27.	Average Distribution of Faculty Respondents' Administrative Assistance by Institutional Funding, Disciplinary Affiliation, Administrative Roles, and Principal Activity – Grant Progress-Report Submissions; Conflict-of-Interest Monitoring; Patent and Copyright Applications; Intellectual-Property Rights Applications	65
Table 28.	Average Distribution of Faculty Respondents' Administrative Assistance by Academic Rank, Tenure Status, Race/Ethnicity, and Gender – Grant Progress-Report Submissions; Conflict-of-Interest Monitoring; Patent and Copyright Applications; Intellectual-Property Rights Applications	66
Table 29.	Average Distribution of Faculty Respondents' Administrative Assistance by Institutional Funding, Disciplinary Affiliation, Administrative Roles, and Principal Activity – Safety Planning, Training, and Monitoring; Chemical-Inventory Management; Laboratory-Security Oversight; Equipment and Supply Purchases	67
Table 30.	Average Distribution of Faculty Respondents' Administrative Assistance by Academic Rank, Tenure Status, Race/Ethnicity, and Gender – Safety Planning, Training, and Monitoring; Chemical-Inventory Management; Laboratory Security Oversight; Equipment and Supply Purchases	68

Table 31.	Average Distribution of Faculty Respondents’ Administrative Assistance by Institutional Funding, Disciplinary Affiliation, Administrative Roles, and Principal Activity – Personnel Hiring; Time and Effort Reporting; Personnel Evaluations; Payroll Issues	69
Table 32.	Average Distribution of Faculty Respondents’ Administrative Assistance by Academic Rank, Tenure Status, Race/Ethnicity, and Gender – Personnel Hiring; Time and Effort Reporting; Personnel Evaluations; Payroll Issues	70
Table 33.	Average Distribution of Faculty Respondents’ Administrative Assistance by Institutional Funding, Disciplinary Affiliation, Administrative Roles, and Principal Activity - Budget Transfers; Cost-Accounting Issues; Cost-Sharing Agreements; Project-Revenue Management	71
Table 34.	Average Distribution of Faculty Respondents’ Administrative Assistance by Academic Rank, Tenure Status, Race/Ethnicity, and Gender – Budget Transfers; Cost-Accounting Issues; Cost-Sharing Agreements; Project-Revenue Management	72
Table 35.	Average Distribution of Faculty Respondents’ Administrative Assistance by Institutional Funding, Disciplinary Affiliation, Administrative Roles, and Principal Activity – Spending-Authority Oversight; Subcontracting and Collaborations; IACUC Protocols and Training; IACUC-Compliance Issues.....	73
Table 36.	Average Distribution of Faculty Respondents’ Administrative Assistance by Academic Rank, Tenure Status, Race/Ethnicity, and Gender – Spending-Authority Oversight; Subcontracting and Collaborations; IACUC Protocols and Training; IACUC-Compliance Issues	74
Table 37.	Average Distribution of Faculty Respondents’ Administrative Assistance by Institutional Funding, Disciplinary Affiliation, Administrative Roles, and Principal Activity – Training Personnel and Students; IRB Protocols and Training; IRB-Compliance Issues; HIPAA Compliance	75
Table 38.	Average Distribution of Faculty Respondents’ Administrative Assistance by Academic Rank, Tenure Status, Race/Ethnicity, and Gender – Training Personnel and Students; IRB Protocols and Training; IRB-Compliance Issues; HIPAA Compliance	76
Table 39.	Shifting the Administrative Burden - Responses by Institutional Context	77
Table 40.	Shifting the Administrative Burden – Responses by Individual Faculty Characteristics	78

Table 1. Percentage Distribution of Faculty Respondents, by Institutional Funding, Disciplinary Affiliation, Administrative Roles, and Principal Activity

	Number	Percentage
All Institutions	6081	100.0
Institutional Control		
Public	4330	71.2
Private	1727	28.4
Other	24	.4
Carnegie Classification		
Comprehensive Doc w/Med	4293	70.6
Comprehensive Doc w/o Med	913	15.0
Doctoral – Focused	321	5.3
Medical	511	8.4
Post-Baccalaureate	41	.7
Not indicated	2	.0
Institutional Funding		
Less than \$10M	339	5.6
\$10M - \$25M	105	1.7
\$25M - \$50M	6	.1
\$50M - \$75M	114	1.9
\$75M - \$100M	89	1.5
\$100M - \$150M	721	11.9
\$150M - \$200M	596	9.8
Over \$200M	4078	67.1
Not indicated	33	.5
Disciplinary Affiliation		
Agriculture	269	4.4
Biological or Life Sciences	1992	32.8
Computer Sciences	164	2.7
Education	139	2.3
Engineering	618	10.2
Health Sciences	897	14.8
Mathematics	164	2.7
Physical Sciences	733	12.1
Psychology	264	4.3
Social Sciences	334	5.5
Other	507	8.3
Administrative Roles		
Yes ¹	2174	35.8
No	3907	64.2
Principal Activity		
Clinical	170	2.8
Research	4326	71.2
Instructional	1067	17.6
Other	518	8.4

¹ Associate deans (N=99), department chairs (N=332), center directors (N=715), and various other faculty administrators (N=1028) including assistant deans, clinic or program administrators, department administrators, academic coordinators or administrators, research coordinators or administrators, center administrators (various), laboratory administrators, advisors, and project managers/administrators.

Table 2. Percentage Distribution of Faculty Respondents, by Academic Rank, Tenure Status, Race/Ethnicity, and Gender

	Number	Percentage of Analysis Sample
Academic Rank		
Full Professor	3260	53.6
Associate Professor	1460	24.0
Assistant Professor	1361	22.4
Tenure Status		
Tenured	4063	66.8
On tenure track, but not tenured	1311	21.6
Not on tenure track	366	6.0
No tenure system for my faculty status	249	4.1
No tenure system at this institution	88	1.4
Not indicated	4	.1
Race/Ethnicity		
American Indian/Alaskan Native	28	.5
Asian/Pacific Islander	556	9.1
Black non-Hispanic	64	1.1
Hispanic	141	2.3
White non-Hispanic	4690	77.1
Other	83	1.4
Not indicated	333	8.5
Gender		
Male	4140	68.1
Female	1532	25.2
Not indicated	409	6.7

Table 3. Distribution of Faculty Respondents by Sources of Federal Research-Grant Funding

		Number of Respondents Funded Per Federal Agency
DHS	Department of Homeland Security	15
DOC	Department of State	115
DOD	Department of Defense	656
DOE	Department of Energy	477
DOI	Department of the Interior	117
DOJ	Department of Justice	25
DOS	Department of State	47
DOT	Department of Transportation	63
ED	Department of Education	172
EPA	Environmental Protection Agency	184
HHS	Department of Health and Human Services	462
HUD	Department of Housing and Urban Development	6
IMLS	Institute of Museum and Library Services	11
NASA	National Aeronautics and Space Administration	337
NEA	National Endowment for the Arts	8
NEH	National Endowment for the Humanities	24
NIH	National Institutes of Health	3010
NSF	National Science Foundation	1921
USDA	Department of Agriculture	512
VA	Department of Veterans' Affairs	74
Other	Various agencies	271

Note: Many faculty members reported receiving grant funding from more than one federal agency.

Table 4. Average Number of Federal Research Grants Received, by PI or Co-PI Status, Institutional Funding, Disciplinary Affiliation, Administrative Roles, and Principal Activity

	PI Status	Co-PI Status
All Institutions	1.71	.95
Institutional Control	NS	NS
Public	1.69	.93
Private	1.75	.98
Carnegie Classification	**	NS
Comprehensive Doc w/Med	1.74	.96
Comprehensive Doc w/o Med	1.63	.85
Doctoral – Focused	1.82	.96
Medical	1.53	1.03
Institution Funding	***	*
Less than \$10 - \$100M	1.55	.83
\$100M - \$150M	1.61	.91
\$150M - \$200M	2.03	1.07
Above \$200M	1.70	.96
Disciplinary Affiliation	***	***
Agriculture	1.84	1.06
Biological or Life Sciences	1.75	.84
Computer Sciences	1.77	1.04
Education	1.34	.63
Engineering	2.07	1.03
Health Sciences	1.49	1.19
Mathematics	1.33	.66
Physical Sciences	2.03	.93
Psychology	1.50	.91
Social Sciences	1.36	.86
Other	1.49	1.05
Administrative Roles	***	***
Yes	1.93	1.05
No	1.59	.89
Principal Activity	***	***
Clinical	.97	1.20
Research	1.79	.99
Instructional	1.54	.78
Other	1.63	.84

***p<.001, **p<.01, *p<.05, NS=not statistically significant (notation reflects statistical difference among categories)

Table 5. Average Number of Federal Research Grants Received, by PI or Co-PI Status, Academic Rank, Tenure Status, Race/Ethnicity, and Gender

	PI Status	Co-PI Status
Academic Rank	***	***
Full Professor	1.95	1.00
Associate Professor	1.54	.96
Assistant Professor	1.31	.81
Tenure Status	***	***
Tenured	1.86	.95
On tenure track, but not tenured	1.40	.82
Not on tenure track	1.25	1.17
No tenure system for my faculty status	1.55	1.19
Race/Ethnicity	NS	***
Underrepresented Minority ¹	1.49	1.15
Asian/Pacific Islander	1.72	.94
White non-Hispanic	1.72	.93
Gender	***	NS
Male	1.79	.96
Female	1.51	.90

***p<.001, NS=not statistically significant

¹ American Indian/Alaskan Native, Black non-Hispanic, Hispanic, Other.

Table 6. Average and Median Total Direct-Cost Funding (TDC) from Federal Research Grants Received, by Institutional Funding, Disciplinary Affiliation, Administrative Roles, and Principal Activity

	TDC Funding from Federal Grants (PI)		
	Median	Mean	SD
All Institutions	\$213,000	\$434,753	\$1,387,627
Institution control		NS	
Public	\$200,000	\$411,782	\$1,480,205
Private	\$250,000	\$488,472	\$1,124,544
Carnegie Classification		NS	
Comprehensive Doc w/Med	\$225,000	\$460,181	\$1,382,471
Comprehensive Doc w/o Med	\$175,000	\$367,459	\$1,905,439
Doctoral – Focused	\$218,000	\$376,997	\$515,646
Medical	\$250,000	\$393,267	\$436,265
Institution Funding		NS	
Less than \$10 - \$100M	\$200,000	\$369,088	\$715,126
\$100M - \$150M	\$200,000	\$364,252	\$535,982
\$150M - \$200M	\$225,000	\$477,583	\$1,285,638
Above \$200M	\$220,000	\$451,931	\$1,249,206
Disciplinary Affiliation		*	
Agriculture	\$100,000	\$244,453	\$493,343
Biological or Life Sciences	\$250,000	\$429,213	\$955,954
Computer Sciences	\$200,000	\$306,528	\$416,795
Education	\$212,000	\$444,119	\$544,134
Engineering	\$200,000	\$464,458	\$2,303,585
Health Sciences	\$295,000	\$541,267	1,275,971
Mathematics	\$61,000	\$236,183	\$753,227
Physical Sciences	\$175,000	\$535,391	\$2,416,080
Psychology	\$250,000	\$446,535	\$905,712
Social Sciences	\$101,266	\$355,185	\$754,943
Other	\$176,027	\$332,986	\$651,088
Administrative Roles		***	
Yes	\$295,000	\$638,508	\$2,005,519
No	\$200,000	\$321,027	\$848,543
Principal Activity		***	
Clinical	\$200,000	\$278,015	\$344,223
Research	\$250,000	\$490,790	\$1,597,646
Instructional	\$149,649	\$242,977	\$323,246
Other	\$180,000	\$379,136	\$723,355

***p<.001, *p<.05, NS=not statistically significant

Table 7. Average and Median Total Direct-Cost Funding (TDC) from Federal Research Grants Received, by Academic Rank, Tenure Status, Race/Ethnicity, and Gender

	TDC Funding from Federal Grants (PI)		
	Median	Mean	SD
Academic Rank		***	
Full Professor	\$260,000	\$560,320	\$1,821,722
Associate Professor	\$200,000	\$337,543	\$515,432
Assistant Professor	\$150,000	\$224,804	\$358,665
Tenure Status		***	
Tenured	\$250,000	\$484,696	\$1,400,321
On tenure track, but not tenured	\$157,000	\$248,698	\$382,038
Not on tenure track	\$200,000	\$381,535	\$756,853
No tenure system for my faculty status	\$225,000	\$677,578	\$3,756,124
Race/Ethnicity		*	
Underrepresented Minority ¹	\$160,000	\$320,738	\$527,623
Asian/Pacific Islander	\$200,000	\$314,229	\$544,578
White non-Hispanic	\$225,000	\$462,298	\$1,546,453
Gender		NS	
Male	\$225,000	\$457,888	\$1,537,695
Female	\$200,000	\$386,903	\$1,028,925

***p<.001, *p<.05, NS=not statistically significant

¹ American Indian/Alaskan Native, Black non-Hispanic, Hispanic, Other.

Table 8. Average Distribution of Faculty Respondents' Time Allocations, by Institutional Funding, Disciplinary Affiliation, Administrative Roles, and Principal Activity

	Percentage of Time Spent				
	Teaching Activities	Research Activities	Professional Service - Research	Other Service	Additional Activities
All Institutions	19.7	57.9	9.1	10.5	2.8
Institutional Control	***	***	NS	***	***
Public	21.8	55.9	9.2	10.1	3.2
Private	14.7	62.9	9.0	11.6	1.9
Carnegie Classification	***	***	NS	***	NS
Comprehensive Doc w/Med	19.0	58.7	9.2	10.6	2.7
Comprehensive Doc w/o Med	25.6	53.0	9.4	8.9	3.2
Doctoral – Focused	27.0	51.7	9.0	9.1	3.3
Medical	9.4	65.6	8.4	13.6	3.1
Institution Funding	***	NS	NS	***	NS
Less than \$10 - \$100M	18.9	57.3	9.1	11.5	3.3
\$100M - \$150M	21.0	57.4	8.9	9.9	3.0
\$150M - \$200M	21.3	57.7	9.7	8.7	2.8
Above \$200M	19.3	58.2	9.1	10.7	2.8
Disciplinary Affiliation	***	***	***	***	***
Agriculture	19.2	51.7	8.7	9.1	11.7
Biological or Life Sciences	14.5	65.3	9.5	9.2	1.7
Computer Sciences	26.5	53.0	10.2	9.0	1.3
Education	28.6	44.3	10.0	12.7	4.6
Engineering	27.9	52.2	9.2	8.7	2.0
Health Sciences	11.4	60.3	8.2	16.9	3.4
Mathematics	30.8	50.4	9.2	8.1	1.9
Other	24.1	53.2	8.7	10.2	4.2
Physical Sciences	27.3	51.9	9.1	9.5	2.1
Psychology	16.8	61.8	9.8	9.9	1.4
Social Sciences	24.4	52.4	9.0	10.2	3.8
Administrative Roles	***	***	***	***	***
Yes	16.8	52.4	9.8	15.7	5.4
No	21.3	61.0	8.8	7.6	1.4
Principal Activity	***	***	NS	***	***
Clinical	6.3	33.4	8.4	48.8	3.2
Research	16.3	64.9	9.2	8.2	1.5
Instructional	37.1	42.9	8.9	9.5	1.7
Other	16.6	38.9	9.3	19.4	16.1

***p<.001, *p<.05, NS=not statistically significant

Table 9. Average Distribution of Faculty Respondents, by Time Allocation, Academic Rank, Tenure Status, Race/Ethnicity, and Gender

	Percentage of Time Spent				
	Teaching Activities	Research Activities	Professional Service - Research	Other Service	Additional Activities
Academic Rank	NS	***	***	***	***
Full Professor	19.5	55.8	10.0	11.1	3.7
Associate Professor	19.8	57.7	9.3	11.2	2.3
Assistant Professor	19.9	63.3	7.0	8.4	1.4
Tenure Status	***	***	***	***	***
Tenured	21.3	55.0	9.9	10.7	3.3
On tenure track, but not tenured	21.3	61.4	7.6	8.3	1.4
Not on tenure track	8.5	67.6	6.9	13.9	3.2
No tenure system for my faculty status	7.4	68.9	8.3	12.4	3.1
Race/Ethnicity	**	***	NS	***	***
Underrepresented Minority ¹	21.8	56.2	9.1	10.0	3.2
Asian/Pacific Islander	21.2	61.4	9.0	7.3	1.1
White non-Hispanic	19.4	57.6	9.2	11.0	2.9
Gender	NS	**	NS	*	NS
Male	19.9	57.4	9.2	10.8	2.8
Female	19.4	59.2	9.0	9.9	2.8

***p<.001, **p<.01, *p<.05, NS=not statistically significant

¹ American Indian/Alaskan Native, Black non-Hispanic, Hispanic, Other.

Table 10. Average Distribution of Faculty Respondents' Research Time Spent on Federally Funded Grant Research, by Institutional Funding, Disciplinary Affiliation, Administrative Roles, and Principal Activity

	Percentage of Total Research Time Spent on Federally Funded Grant Research	Percentage of Time Spent on Federally Funded Grant Research Activities		
		Active Research	Pre-Award Activities	Post-Award Activities
All Institutions	65.1	57.2	22.4	19.3
Carnegie Classification	***	*	**	*
Comprehensive Doc w/Med	65.9	56.9	22.4	19.1
Comprehensive Doc w/o Med	60.9	58.2	21.1	19.2
Doctoral – Focused	62.6	55.5	21.7	21.7
Medical	66.9	54.8	24.4	18.9
Institutional Control	***	***	NS	***
Public	63.2	56.4	22.4	20.1
Private	69.8	59.1	22.3	17.6
Institution Funding	**	**	NS	***
Less than \$10 - \$100M	61.2	54.6	22.9	21.2
\$100M - \$150M	64.2	56.1	22.8	19.6
\$150M - \$200M	64.5	56.6	22.6	20.3
Above \$200M	65.9	57.9	22.2	18.9
Disciplinary Affiliation	***	***	***	***
Agriculture	44.0	49.8	25.5	23.9
Biological/ Life Sciences	71.5	57.3	23.5	18.3
Computer Sciences	72.1	63.1	20.2	14.8
Education	52.2	51.8	18.1	28.6
Engineering	58.9	50.9	25.9	21.8
Health Sciences	63.7	55.0	22.4	21.0
Mathematics	65.8	78.5	12.1	8.8
Physical Sciences	73.3	60.6	21.3	17.5
Psychology	66.5	58.1	20.2	19.9
Social Sciences	52.4	63.3	17.9	18.3
Other	57.4	55.7	22.9	20.2
Administrative Roles	***	***	NS	***
Yes	61.5	54.6	22.6	21.4
No	67.1	58.7	22.3	18.2
Principal Activity	***	***	**	***
Clinical	38.0	52.7	23.9	21.4
Research	69.4	57.9	22.6	18.5
Instructional	57.5	57.8	20.8	20.2
Other	52.8	51.5	23.3	23.1

***p<.001, **p<.01, NS=not statistically significant

Table 11. Percentage Distribution of Faculty Respondents' Research Time Spent on Federally Funded Grant Research, by Academic Rank, Tenure Status, Race/Ethnicity, and Gender

	Percentage of Research Time Spent on Federally Funded Grant Research	Percentage of Time Spent on Federally Funded Grant Research Activities		
		Active Research	Pre-Award Activities	Post-Award Activities
Academic Rank	***	***	***	*
Full Professor	66.7	58.1	21.5	19.2
Associate Professor	63.0	56.0	22.7	20.0
Assistant Professor	63.5	56.2	24.4	18.7
Tenure Status	***	NS	***	NS
Tenured	65.5	57.6	21.7	19.5
On tenure track, but not tenured	62.5	56.0	24.6	18.6
Not on tenure track	65.5	58.1	21.9	19.4
No tenure system for my faculty status	71.2	56.7	22.4	19.7
Race/Ethnicity	***	***	NS	***
Underrepresented Minority ¹	57.8	52.3	23.5	24.3
Asian/Pacific Islander	62.3	58.9	23.9	17.2
White non-Hispanic	66.0	57.8	22.4	19.7
Gender	NS	***	*	**
Male	65.3	58.4	22.3	19.2
Female	65.2	55.9	23.4	20.6

***p<.001, **p<.01, *p<.05, NS=not statistically significant

¹ American Indian/Alaskan Native, Black non-Hispanic, Hispanic, Other.

Table 12. Average Distribution of Faculty Respondents' Administrative Burden¹

Administrative Task	Number of Responses	Mean
Grant Progress-Report Submissions	5790	3.32
Personnel Hiring	5658	2.92
Project-Revenue Management	5705	2.89
Equipment and Supply Purchases	5356	2.59
IRB Protocols and Training	4285	2.57
Training Personnel and Students	4153	2.53
Personnel Evaluations	5624	2.51
Time and Effort Reporting	5662	2.45
Safety Planning, Training, Monitoring	5149	2.43
Subcontracting and Collaborations	5375	2.40
IRB-Compliance Issues	4266	2.35
Cost-Accounting Issues	5565	2.31
Spending Authority Oversight	5489	2.24
Budget Transfers	5526	2.24
IACUC Protocols and Training	2210	2.20
HIPAA Compliance	4136	2.08
Payroll Issues	5532	2.06
IACUC-Compliance Issues	2208	2.04
Chemical-Inventory Management	4909	2.00
Laboratory-Security Oversight	5023	1.96
Cost-Sharing Agreements	5273	1.83
Conflict of Interest Monitoring	5630	1.80
Intellectual-Property Rights Apps.	5286	1.70
Patent/Copyright Applications	5158	1.46

¹ Burden Coded: 1=None, 2=A little, 3=Some, 4=Moderate amount, 5=A great deal.

Table 13. Average Distribution of Faculty Respondents’ Administrative Burden – Excludes Respondents Who Reported Task Took No Time Away from Active Research¹

Administrative Task	N	Mean	Percent Reporting Task Takes “Moderate Amount” or “Great Deal of Time” Away from Active Research	Number of Faculty Affected
IRB Protocols and Training	2703	3.48	48.6	1325
IACUC Protocols and Training	1883	3.47	49.0	923
Training Personnel and Students	2695	3.36	44.2	1186
Grant Progress-Report Submissions	5734	3.34	42.1	2408
IRB-Compliance Issues	2538	3.26	39.3	990
IACUC-Compliance Issues	1819	3.22	37.9	691
Personnel Hiring	5237	3.08	30.5	1624
Project-Revenue Management	5368	3.01	27.9	1503
HIPAA Compliance	2243	2.99	29.7	673
Subcontracting and Collaborations	3931	2.91	25.5	1022
Safety planning and Monitoring	4017	2.83	21.0	840
Equipment and Supply Purchases	4712	2.81	19.8	942
Cost-Accounting Issues	4208	2.74	18.6	800
Chemical-Inventory Management	2882	2.71	16.8	490
Personnel Evaluations	4960	2.72	15.8	794
Spending-Authority Oversight	4000	2.70	17.0	680
Time and Effort Reporting	4884	2.68	16.0	781
Budget Transfers	4104	2.67	15.7	657
Payroll Issues	3685	2.59	13.6	516
Cost-Sharing Agreements	2776	2.58	13.1	361
Laboratory Security Oversight	3104	2.55	11.5	372
Intellectual-Property Rights Applications.	2471	2.49	10.2	247
Patent/Copyright Applications	1622	2.47	9.2	146
Conflict-of-Interest Monitoring	3389	2.33	6.0	203

¹ Burden Coded: 1=None, 2=A little, 3=Some, 4=Moderate amount, 5=A great deal. This table only includes those who indicated that the task took at least “a little” time away from their active research (i.e. respondents who reported “none” for a particular task were excluded from the analysis).

Table 14. Average Distribution of Faculty Respondents' Administrative Burden¹ by Selected Funding Agencies

	DOC (N=115)	DOD (N=656)	DOE (N=477)	DOI (N=117)	ED (N=172)	EPA (N=184)
Grant Progress-Report Submissions	3.51	3.62	3.62	3.43	3.54	3.48
Conflict-of-Interest Monitoring	1.84	1.83	1.73	1.75	1.82	1.92
Patent/Copyright Applications	1.33	1.78	1.61	1.24	1.25	1.48
Intellectual-Property Rights Applications	1.48	1.94	1.68	1.44	1.48	1.64
Safety Planning, Training, Monitoring	2.41	2.39	2.45	2.35	1.82	2.56
Chemical-Inventory Management	2.00	1.89	1.96	1.87	1.28	2.06
Laboratory-Security Oversight	2.00	2.00	2.01	1.81	1.55	2.08
Equipment and Supply Purchases	2.19	2.84	2.84	2.88	2.39	2.75
Personnel Hiring	3.11	3.01	2.97	3.16	3.17	3.01
Time and Effort Reporting	2.36	2.55	2.49	2.58	2.68	2.60
Personnel Evaluations	2.63	2.54	2.49	2.60	2.64	2.61
Payroll Issues	1.86	2.20	2.16	2.56	2.42	2.28
Budget Transfers	1.63	2.44	2.39	2.65	2.57	2.65
Cost-Accounting Issues	2.44	2.52	2.40	2.76	2.62	2.54
Cost-Sharing Agreements	1.79	2.01	2.06	2.30	2.26	2.25
Project-Revenue Management	1.56	3.17	3.07	3.43	3.23	3.08
Spending-Authority Oversight	1.33	2.45	2.32	2.51	2.68	2.45
Subcontracting and Collaborations	2.82	2.66	2.49	2.80	2.90	2.92
IACUC Protocols and Training	2.96	2.00	1.27	1.92	1.11	1.96
IACUC Compliance Issues	2.64	1.88	1.23	1.79	1.15	1.81
Training Personnel and Students	2.42	2.47	2.16	2.46	2.01	2.44
IRB Protocols and Training	2.44	2.19	1.32	1.58	3.00	2.22
IRB-Compliance Issues	2.54	2.01	1.31	1.47	2.66	1.95
HIPAA Compliance	2.50	1.78	1.23	1.35	1.99	1.72

¹ Burden Coded: 1=None, 2=A little, 3=Some, 4=Moderate amount, 5=A great deal.

Table 14 (continued). Average Distribution of Faculty Respondents' Administrative Burden¹ by Selected Funding Agencies

	HHS (N=462)	NASA (N=337)	NIH (N=3010)	NSF (N=1921)	USDA (N=512)	Other (N=271)
Grant Progress-Report Submissions	3.38	3.40	3.27	3.28	3.50	3.63
Conflict-of-Interest Monitoring	1.90	1.75	1.86	1.64	2.03	1.97
Patent/Copyright Applications	1.35	1.47	1.51	1.45	1.49	1.46
Intellectual-Property Rights Applications	1.62	1.57	1.83	1.57	1.74	1.75
Safety Planning, Training, Monitoring	2.29	2.16	2.64	2.18	2.57	2.39
Chemical-Inventory Management	1.78	1.72	2.23	1.77	2.20	1.82
Laboratory-Security Oversight	1.79	1.82	2.10	1.79	2.13	1.90
Equipment and Supply Purchases	2.23	2.72	2.59	2.65	2.74	2.43
Personnel Hiring	3.08	2.79	2.99	2.79	3.17	2.93
Time and Effort Reporting	2.60	2.36	2.46	2.33	2.74	2.66
Personnel Evaluations	2.68	2.45	2.62	2.35	2.69	2.31
Payroll Issues	2.13	2.09	2.04	2.05	2.17	2.23
Budget Transfers	2.41	2.40	2.18	2.22	2.54	2.39
Cost-Accounting Issues	2.43	2.40	2.29	2.28	2.55	2.44
Cost-Sharing Agreements	1.89	2.01	1.75	1.82	2.17	2.23
Project-Revenue Management	2.99	2.99	2.86	2.86	3.03	3.06
Spending-Authority Oversight	2.41	2.28	2.25	2.13	2.43	2.43
Subcontracting and Collaborations	2.65	2.50	2.38	2.31	2.64	2.70
IACUC Protocols and Training	2.04	1.51	2.72	1.45	2.07	2.07
IACUC Compliance Issues	1.92	1.46	2.48	1.39	1.92	1.96
Training Personnel and Students	2.33	2.06	2.81	2.20	2.53	2.39
IRB Protocols and Training	3.30	1.70	2.99	1.84	2.07	3.00
IRB-Compliance Issues	2.94	1.61	2.73	1.69	1.91	2.75
HIPAA Compliance	2.75	1.42	2.49	1.31	1.49	2.28

¹ Burden Coded: 1=None, 2=A little, 3=Some, 4=Moderate amount, 5=A great deal.

Table 15. Average Distribution of Faculty Respondents' Administrative Burden¹ by Institutional Funding, Disciplinary Affiliation, Administrative Roles, and Principal Activity

	Grant Progress- Report Submissions	Conflict-of- Interest Monitoring	Patent/ Copyright Applications	Intellectual- Property Rights Applications
All Institutions	3.32	1.80	1.46	1.70
Institutional Control	NS	***	*	**
Public	3.32	1.77	1.46	1.68
Private	3.31	1.86	1.48	1.73
Carnegie Classification	NS	***	**	***
Comprehensive Doc w/Med	3.32	1.82	1.46	1.70
Comprehensive Doc w/o Med	3.35	1.60	1.41	1.60
Doctoral – Focused	3.41	1.73	1.50	1.68
Medical	3.39	2.02	1.54	1.83
Institutional Funding	*	NS	NS	NS
Less than \$10 - \$100M	3.34	1.75	1.42	1.63
\$100M - \$150M	3.37	1.74	1.48	1.67
\$150M - \$200M	3.40	1.82	1.45	1.67
Above \$200M	3.29	1.81	1.47	1.72
Disciplinary Affiliation	***	***	***	***
Agriculture	3.62	2.15	1.50	1.80
Biological/Life Sciences	3.24	1.83	1.56	1.91
Computer Sciences	3.35	1.61	1.48	1.60
Education	3.33	1.65	1.23	1.41
Engineering	3.58	1.81	3.58	1.81
Health Sciences	3.33	2.02	1.40	1.72
Mathematics	2.94	1.46	1.16	1.20
Physical Sciences	3.34	1.55	1.43	1.44
Psychology	3.23	1.68	1.10	1.24
Social Sciences	3.12	1.63	1.07	1.23
Other	3.38	1.81	1.26	1.50
Administrative Roles	***	***	**	**
Yes	3.41	1.91	1.51	1.75
No	3.27	1.74	1.44	1.66
Principal Activity	**	***	***	***
Clinical	3.25	2.08	1.43	1.82
Research	3.30	1.80	1.49	1.74
Instructional	3.37	1.69	1.37	1.51
Other	3.38	1.92	1.45	1.65

***p<.001, **p<.01, *p<.05, NS=not statistically significant

¹ Burden Coded: 1=None, 2=A little, 3=Some, 4=Moderate amount, 5=A great deal.

Table 16. Average Distribution of Faculty Respondents' Administrative Burden¹ by Academic Rank, Tenure Status, Race/Ethnicity, and Gender

	Grant Progress-Report Submissions	Conflict-of-Interest Monitoring	Patent/Copyright Applications	Intellectual-Property Rights Applications
Academic Rank	*	***	*	NS
Full Professor	3.34	1.84	1.48	1.70
Associate Professor	3.35	1.79	1.45	1.72
Assistant Professor	3.23	1.69	1.43	1.67
Tenure Status	NS	**	NS	NS
Tenured	3.34	1.81	1.47	1.69
On tenure track, but not tenured	3.25	1.73	1.46	1.72
Not on tenure track	3.27	1.81	1.37	1.60
No tenure system for my faculty status	3.32	1.82	1.39	1.64
Race/Ethnicity	***	NS	***	***
Underrepresented Minority ²	3.51	1.79	1.44	1.63
Asian/Pacific Islander	3.42	1.87	1.71	1.86
White non-Hispanic	3.29	1.78	1.42	1.66
Gender	NS	*	***	NS
Male	3.31	1.81	1.50	1.70
Female	3.32	1.77	1.35	1.66

***p<.001, **p<.01, *p<.05, NS=not statistically significant

¹ Coded: 1=None, 2=A little, 3=Some, 4=Moderate amount, 5=A great deal.

² American Indian/Alaskan Native, Black non-Hispanic, Hispanic.

Table 17. Average Distribution of Faculty Respondents' Administrative Burden¹ by Institutional Funding, Disciplinary Affiliation, Administrative Roles, and Principal Activity

	Safety Planning, Training, Monitoring	Chemical-Inventory Management	Laboratory-Security Oversight	Equipment and Supply Purchases
All Institutions	2.43	2.00	1.96	2.59
Institutional Control	**	*	NS	***
Public	2.41	1.99	1.96	2.64
Private	2.47	2.03	1.95	2.47
Carnegie Classification	***	***	***	***
Comprehensive Doc w/Med	2.44	2.01	1.95	2.56
Comprehensive Doc w/o Med	2.21	1.81	1.86	2.66
Doctoral – Focused	2.41	2.05	1.95	2.75
Medical	2.66	2.24	2.13	2.59
Institutional Funding	NS	NS	NS	*
Less than \$10 - \$100M	2.44	2.00	1.96	2.65
\$100M - \$150M	2.53	2.12	2.04	2.70
\$150M - \$200M	2.48	2.06	2.03	2.65
Above \$200M	2.40	1.98	1.93	2.56
Disciplinary Affiliation	***	***	***	***
Agriculture	2.56	2.19	2.19	2.75
Biological/Life Sciences	2.79	2.52	2.25	2.79
Computer Sciences	1.37	1.00	1.32	2.46
Education	1.57	1.08	1.20	2.08
Engineering	1.87	1.98	2.47	1.88
Health Sciences	2.49	1.92	1.91	2.30
Mathematics	1.04	1.00	1.00	1.71
Physical Sciences	2.21	1.80	1.84	2.75
Psychology	2.34	1.22	1.69	2.37
Social Sciences	1.55	1.04	1.19	1.82
Other	2.21	1.68	1.72	2.44
Administrative Roles	*	NS	NS	*
Yes	2.40	1.97	1.96	2.53
No	2.44	2.02	1.95	2.62
Principal Activity	***	***	***	***
Clinical	2.54	1.97	1.89	2.26
Research	2.49	2.09	2.01	2.61
Instructional	2.21	1.73	1.80	2.60
Other	2.22	1.81	1.83	2.48

***p<.001, **p<.01, *p<.05, NS=not statistically significant

¹ Burden Coded: 1=None, 2=A little, 3=Some, 4=Moderate amount, 5=A great deal.

Table 18. Average Distribution of Faculty Respondents' Administrative Burden¹ by Academic Rank, Tenure Status, Race/Ethnicity, and Gender

	Safety Planning, Training, Monitoring	Chemical-Inventory Management	Laboratory-Security Oversight	Equipment and Supply Purchases
Academic Rank	***	*	NS	***
Full Professor	2.37	2.00	1.95	2.55
Associate Professor	2.46	2.03	1.99	2.60
Assistant Professor	2.52	1.98	1.93	2.70
Tenure Status	***	NS	NS	***
Tenured	2.39	2.01	1.97	2.59
On tenure track, but not tenured	2.52	2.00	1.95	2.71
Not on tenure track	2.46	1.89	1.84	2.32
No tenure system for my faculty status	2.41	1.85	1.85	2.40
Race/Ethnicity	***	***	***	***
Underrepresented Minority ²	2.63	2.13	2.15	2.72
Asian/Pacific Islander	2.76	2.35	2.25	2.83
White non-Hispanic	2.38	1.96	1.91	2.56
Gender	***	***	***	NS
Male	2.40	1.99	1.94	2.60
Female	2.49	2.04	1.99	2.56

***p<.001, *p<.05, NS=not statistically significant

¹ Burden Coding: 1=None, 2=A little, 3=Some, 4=Moderate amount, 5=A great deal.

² American Indian/Alaskan Native, Black non-Hispanic, Hispanic.

Table 19. Average Distribution of Faculty Respondents' Administrative Burden¹ by Institutional Funding, Disciplinary Affiliation, Administrative Roles, and Principal Activity

	Personnel Hiring	Time and Effort Reporting	Personnel Evaluations	Payroll Issues
All Institutions	2.92	2.45	2.51	2.06
Institutional Control	NS	***	NS	***
Public	2.94	2.48	2.52	2.11
Private	2.88	2.37	2.50	1.94
Carnegie Classification	**	NS	***	NS
Comprehensive Doc w/Med	2.93	2.44	2.51	2.04
Comprehensive Doc w/o Med	2.80	2.44	2.42	2.10
Doctoral – Focused	3.04	2.49	2.55	2.19
Medical	2.99	2.53	2.69	2.03
Institutional Funding	NS	*	NS	***
Less than \$10 - \$100M	2.99	2.43	2.56	2.20
\$100M - \$150M	2.98	2.52	2.53	2.09
\$150M - \$200M	2.97	2.57	2.59	2.19
Above \$200M	2.90	2.43	2.49	2.01
Disciplinary Affiliation	***	***	***	***
Agriculture	3.12	2.89	2.72	2.18
Biological/Life Sciences	3.05	2.44	2.61	1.98
Computer Sciences	2.46	2.20	2.12	1.96
Education	3.09	2.58	2.62	2.44
Engineering	2.03	2.88	2.93	2.63
Health Sciences	3.04	2.58	2.65	2.11
Mathematics	1.98	1.80	1.67	1.54
Physical Sciences	2.74	2.25	2.36	1.99
Psychology	2.97	2.40	2.53	2.13
Social Sciences	2.60	2.22	2.20	1.86
Other	2.88	2.53	2.52	2.11
Administrative Roles	***	***	***	***
Yes	3.10	2.60	2.73	2.22
No	2.82	2.36	2.39	1.97
Principal Activity	***	***	***	NS
Clinical	2.94	2.61	2.67	2.09
Research	2.96	2.44	2.53	2.04
Instructional	2.74	2.40	2.35	2.09
Other	2.99	2.62	2.64	2.16

***p<.001, **p<.01, NS=not statistically significant

¹ Burden Coded: 1=None, 2=A little, 3=Some, 4=Moderate amount, 5=A great deal.

Table 20. Average Distribution of Faculty Respondents' Administrative Burden¹ by Academic Rank, Tenure Status, Race/Ethnicity, and Gender

	Personnel Hiring	Time and Effort Reporting	Personnel Evaluations	Payroll Issues
Academic Rank	**	NS	***	NS
Full Professor	2.91	2.47	2.55	2.07
Associate Professor	2.98	2.49	2.56	2.08
Assistant Professor	2.88	2.37	2.37	2.00
Tenure Status	**	***	***	**
Tenured	2.93	2.48	2.54	2.09
On tenure track, but not tenured	2.93	2.38	2.40	2.02
Not on tenure track	2.76	2.40	2.51	1.85
No tenure system for my faculty status	2.81	2.41	2.52	2.00
Race/Ethnicity	***	***	***	***
Underrepresented Minority ²	3.02	2.65	2.60	2.29
Asian/Pacific Islander	3.12	2.71	2.69	2.26
White non-Hispanic	2.89	2.41	2.49	2.02
Gender	**	*	**	NS
Male	2.89	2.43	2.49	2.05
Female	3.00	2.51	2.59	2.08

***p<.001, **p<.01, *p<.05, NS=not statistically significant

¹ Burden Coding: 1=None, 2=A little, 3=Some, 4=Moderate amount, 5=A great deal.

² American Indian/Alaskan Native, Black non-Hispanic, Hispanic.

Table 21. Average Distribution of Faculty Respondents' Administrative Burden¹ by Academic Rank, Tenure Status, Race/Ethnicity, and Gender

	Budget Transfers	Cost-Accounting Issues	Cost-Sharing Agreements	Project-Revenue Management
All Institutions	2.24	2.31	1.83	2.89
Institutional Control	***	**	***	***
Public	2.28	2.35	1.90	2.93
Private	2.14	2.22	1.66	2.80
Carnegie Classification	*	NS	*	NS
Comprehensive Doc w/Med	2.22	2.29	1.80	2.87
Comprehensive Doc w/o Med	2.28	2.29	1.90	2.89
Doctoral – Focused	2.39	2.50	1.97	3.05
Medical	2.20	2.38	1.86	2.94
Institutional Funding	*	**	***	*
Less than \$10 - \$100M	2.32	2.35	1.86	2.97
\$100M - \$150M	2.29	2.41	1.88	3.00
\$150M - \$200M	2.33	2.44	1.94	2.98
Above \$200M	2.21	2.27	1.80	2.85
Disciplinary Affiliation	***	***	***	***
Agriculture	2.59	2.62	2.29	3.04
Biological/Life Sciences	2.14	2.25	1.70	2.83
Computer Sciences	2.08	2.11	1.50	2.74
Education	2.58	2.65	2.11	3.18
Engineering	2.50	2.33	2.48	2.49
Health Sciences	2.29	2.40	1.92	2.93
Mathematics	1.79	1.70	1.35	2.14
Physical Sciences	2.18	2.21	1.81	2.87
Psychology	2.13	2.24	1.53	2.88
Social Sciences	2.13	2.18	1.71	2.75
Other	2.37	2.46	1.96	2.98
Administrative Roles	***	***	***	***
Yes	2.39	2.46	2.04	3.02
No	2.15	2.23	1.71	2.82
Principal Activity	**	NS	***	NS
Clinical	2.33	2.40	2.01	2.77
Research	2.21	2.30	1.78	2.88
Instructional	2.27	2.32	1.88	2.90
Other	2.42	2.38	2.10	2.99

***p<.001, **p<.01, *p<.05, NS=not statistically significant

¹ Burden Coded: 1=None, 2=A little, 3=Some, 4=Moderate amount, 5=A great deal.

Table 22. Average Distribution of Faculty Respondents Administrative Burden¹ by Academic Rank, Tenure Status, Race/Ethnicity, and Gender

	Budget Transfers	Cost-Accounting Issues	Cost-Sharing Agreements	Project-Revenue Management
Academic Rank	***	NS	***	NS
Full Professor	2.27	2.30	1.88	2.90
Associate Professor	2.26	2.37	1.83	2.93
Assistant Professor	2.15	2.27	1.71	2.83
Tenure Status	***	**	***	NS
Tenured	2.28	2.33	1.88	2.91
On tenure track, but not tenured	2.19	2.31	1.74	2.87
Not on tenure track	2.05	2.12	1.70	2.76
No tenure system for my faculty status	2.08	2.30	1.78	2.85
Race/Ethnicity	**	***	***	***
Underrepresented Minority ²	2.30	2.41	1.94	3.06
Asian/Pacific Islander	2.37	2.47	2.00	3.00
White non-Hispanic	2.21	2.28	1.80	2.87
Gender	**	*	NS	***
Male	2.22	2.29	1.83	2.85
Female	2.30	2.38	1.83	3.01

***p<.001, **p<.01, *p<.05, NS=not statistically significant

¹ Burden Coding: 1=None, 2=A little, 3=Some, 4=Moderate amount, 5=A great deal.

² American Indian/Alaskan Native, Black non-Hispanic, Hispanic.

Table 23. Average Distribution of Faculty Respondents' Administrative Burden¹ by Institutional Funding, Disciplinary Affiliation, Administrative Roles, and Principal Activity

	Spending-Authority Oversight	Subcontracting and Collaborations	IACUC Protocols and Training	IACUC-Compliance Issues
All Institutions	2.24	2.40	2.20	2.04
Institutional Control	***	**	***	***
Public	2.28	2.43	2.12	1.99
Private	2.15	2.32	2.38	2.17
Carnegie Classification	*	NS	***	***
Comprehensive Doc w/Med	2.22	2.39	2.23	2.07
Comprehensive Doc w/o Med	2.21	2.38	1.68	1.60
Doctoral – Focused	2.28	2.41	2.05	1.89
Medical	2.38	2.51	2.79	2.56
Institutional Funding	*	NS	NS	NS
Less than \$10 - \$100M	2.31	2.42	2.21	2.05
\$100M - \$150M	2.37	2.47	2.25	2.13
\$150M - \$200M	2.29	2.40	2.22	2.07
Above \$200M	2.20	2.38	2.20	2.03
Disciplinary Affiliation	***	***	***	***
Agriculture	2.47	2.67	2.07	1.93
Biological/Life Sciences	2.21	2.22	3.01	2.73
Computer Sciences	1.83	2.26	1.06	1.02
Education	2.54	2.84	1.13	1.13
Engineering	2.20	3.14	2.48	2.62
Health Sciences	2.39	2.60	2.29	2.13
Mathematics	1.57	1.64	1.06	1.06
Physical Sciences	2.11	2.22	1.14	1.14
Psychology	2.07	2.41	1.65	1.57
Social Sciences	2.02	2.46	1.08	1.07
Other	2.32	2.67	1.65	1.60
Administrative Roles	***	***	NS	NS
Yes	2.43	2.61	2.16	2.02
No	2.13	2.28	2.23	2.06
Principal Activity	***	***	***	***
Clinical	2.30	2.42	2.29	2.15
Research	2.22	2.40	2.39	2.20
Instructional	2.22	2.31	1.53	1.45
Other	2.47	2.56	1.76	1.73

***p<.001, **p<.01, *p<.05, NS=not statistically significant

¹ Burden Coded: 1=None, 2=A little, 3=Some, 4=Moderate amount, 5=A great deal.

Table 24. Average Distribution of Faculty Respondents' Administrative Burden¹ by Academic Rank, Tenure Status, Race/Ethnicity, and Gender

	Spending-Authority Oversight	Subcontracting and Collaborations	IACUC Protocols and Training	IACUC-Compliance Issues
Academic Rank	***	***	NS	NS
Full Professor	2.29	2.44	2.14	2.02
Associate Professor	2.26	2.45	2.27	2.10
Assistant Professor	2.08	2.22	2.28	2.06
Tenure Status	***	*	NS	NS
Tenured	2.30	2.42	2.16	2.02
On tenure track, but not tenured	2.12	2.27	2.30	2.08
Not on tenure track	2.09	2.47	2.09	1.96
No tenure system for my faculty status	2.13	2.46	2.17	2.07
Race/Ethnicity	***	NS	*	*
Underrepresented Minority ²	2.38	2.56	2.09	2.08
Asian/Pacific Islander	2.37	2.42	2.40	2.22
White non-Hispanic	2.21	2.38	2.19	2.03
Gender	***	***	*	NS
Male	2.22	2.33	2.18	2.04
Female	2.30	2.57	2.27	2.06

***p<.001, *p<.05, NS=not statistically significant

¹ Burden Coding: 1=None, 2=A little, 3=Some, 4=Moderate amount, 5=A great deal.

² American Indian/Alaskan Native, Black non-Hispanic, Hispanic.

Table 25. Average Distribution of Faculty Respondents' Administrative Burden¹ by Institutional Funding, Disciplinary Affiliation, Administrative Roles, and Principal Activity

	Training Personnel and Students	IRB Protocols and Training	IRB-Compliance Issues	HIPAA Compliance
All Institutions	2.53	2.57	2.35	2.08
Institutional Control	***	***	***	***
Public	2.51	2.45	2.25	1.94
Private	2.58	2.83	2.57	2.38
Carnegie Classification	***	***	***	***
Comprehensive Doc w/Med	2.52	2.61	2.37	2.11
Comprehensive Doc w/o Med	2.30	2.10	1.92	1.54
Doctoral – Focused	2.54	2.25	2.04	1.60
Medical	2.95	3.11	2.92	2.77
Institutional Funding	NS	**	*	***
Less than \$10 - \$100M	2.63	2.65	2.41	2.22
\$100M - \$150M	2.63	2.42	2.23	1.95
\$150M - \$200M	2.57	2.39	2.21	1.85
Above \$200M	2.50	2.61	2.38	2.12
Disciplinary Affiliation	***	***	***	***
Agriculture	2.59	1.79	1.75	1.37
Biological/Life Sciences	3.02	2.41	2.23	2.16
Computer Sciences	1.90	1.94	1.70	1.32
Education	2.13	3.06	2.83	1.81
Engineering	1.36	1.33	1.62	1.39
Health Sciences	2.43	2.58	3.28	3.00
Mathematics	1.63	1.19	1.12	1.10
Physical Sciences	1.97	1.26	1.21	1.13
Psychology	2.04	3.69	3.22	2.58
Social Sciences	1.72	3.00	2.63	1.77
Other	2.33	2.61	2.32	2.01
Administrative Roles	NS	***	***	***
Yes	2.53	2.71	2.51	2.22
No	2.53	2.47	2.24	1.99
Principal Activity	***	***	***	***
Clinical	2.37	2.68	3.51	3.27
Research	2.63	2.61	2.38	2.15
Instructional	2.18	2.17	1.96	1.56
Other	2.40	2.49	2.24	1.84

***p<.001, **p<.01, *p<.05, NS=not statistically significant

¹ Burden Coded: 1=None, 2=A little, 3=Some, 4=Moderate amount, 5=A great deal.

Table 26. Average Distribution of Faculty Respondents' Administrative Burden¹ by Academic Rank, Tenure Status, Race/Ethnicity, and Gender

	Training Personnel and Students	IRB Protocols and Training	IRB-Compliance Issues	HIPAA Compliance
Academic Rank	***	***	***	***
Full Professor	2.43	2.40	2.22	1.96
Associate Professor	2.61	2.78	2.54	2.24
Assistant Professor	2.73	2.71	2.42	2.18
Tenure Status	***	***	***	***
Tenured	2.49	2.41	2.23	1.94
On tenure track, but not tenured	2.74	2.70	2.41	2.18
Not on tenure track	2.35	3.11	2.79	2.57
No tenure system for my faculty status	2.47	3.04	2.78	2.55
Race/Ethnicity	***	***	*	NS
Underrepresented Minority ²	2.76	2.83	2.50	2.12
Asian/Pacific Islander	2.84	2.34	2.18	2.03
White non-Hispanic	2.49	2.58	2.35	2.08
Gender	***	***	***	***
Male	2.50	2.37	2.19	1.96
Female	2.63	3.05	2.72	2.38

***p<.001, *p<.05, NS=not statistically significant

¹ Burden Coding: 1=None, 2=A little, 3=Some, 4=Moderate amount, 5=A great deal.

² American Indian/Alaskan Native, Black non-Hispanic, Hispanic.

Table 27. Average Distribution of Faculty Respondents' Administrative Assistance¹ by Institutional Funding, Disciplinary Affiliation, Administrative Roles, and Principal Activity

	Grant Progress- Report Submissions	Conflict-of- Interest Monitoring	Patent/ Copyright Applications	Intellectual- Property Rights Applications
All Institutions	2.09	1.84	2.17	2.22
Institutional Control	***	NS	*	*
Public	2.05	1.82	2.13	2.18
Private	2.16	1.87	2.26	2.29
Carnegie Classification	***	***	**	*
Comprehensive Doc w/Med	2.10	1.83	2.20	2.24
Comprehensive Doc w/o Med	1.99	1.78	2.02	2.13
Doctoral – Focused	1.94	1.81	2.13	2.13
Medical	2.27	2.02	2.29	2.28
Institutional Funding	NS	NS	NS	NS
Less than \$10 - \$100M	2.10	1.84	2.07	2.14
\$100M - \$150M	2.16	1.93	2.16	2.16
\$150M - \$200M	2.03	1.76	1.99	2.11
Above \$200M	2.09	1.83	2.21	2.26
Disciplinary Affiliation	***	***	***	***
Agriculture	1.82	1.67	2.07	2.20
Biological/Life Sciences	2.08	1.83	2.37	2.39
Computer Sciences	1.83	1.64	2.21	2.09
Education	2.46	2.08	1.74	2.00
Engineering	1.94	1.91	1.94	1.91
Health Sciences	2.39	1.96	2.08	2.22
Mathematics	1.84	1.62	1.41	1.39
Physical Sciences	1.86	1.79	2.09	2.09
Psychology	2.67	1.74	1.35	1.43
Social Sciences	2.23	1.78	1.36	1.45
Other	2.14	1.84	1.87	2.03
Administrative Roles	***	***	**	*
Yes	2.25	1.93	2.25	2.30
No	2.00	1.79	2.12	2.17
Principal Activity	***	**	***	***
Clinical	2.35	1.97	2.02	2.14
Research	2.08	1.82	2.22	2.26
Instructional	2.01	1.80	1.93	1.98
Other	2.25	1.98	2.24	2.31

***p<.001, **p<.01, *p<.05, NS=not statistically significant

¹ Assistance Coding: 1=No assistance, 2=Very little assistance, 3=Some assistance, 4=A great deal of assistance, 5=Complete assistance.

Table 28. Average Distribution of Faculty Respondents' Administrative Assistance¹ by Academic Rank, Tenure Status, Race/Ethnicity, and Gender

	Grant Progress-Report Submissions	Conflict-of-Interest Monitoring	Patent/Copyright Applications	Intellectual-Property Rights Applications
Academic Rank	*	NS	NS	NS
Full Professor	2.11	1.84	2.20	2.23
Associate Professor	2.08	1.84	2.11	2.15
Assistant Professor	2.04	1.82	2.16	2.25
Tenure Status	***	***	NS	NS
Tenured	2.08	1.84	2.18	2.21
On tenure track, but not tenured	2.03	1.82	2.19	2.29
Not on tenure track	2.32	1.86	1.97	2.08
No tenure system for my faculty status	2.21	1.90	2.03	2.10
Race/Ethnicity	NS	NS	NS	NS
Underrepresented Minority ²	2.12	1.88	2.04	2.06
Asian/Pacific Islander	2.10	1.94	2.22	2.24
White non-Hispanic	2.10	1.83	2.16	2.22
Gender	*	**	***	NS
Male	2.10	1.86	2.21	2.24
Female	2.07	1.77	2.01	2.15

***p<.001, **p<.01, *p<.05, NS=not statistically significant

¹ Assistance Coding: 1=No assistance, 2=Very little assistance, 3=Some assistance, 4=A great deal of assistance, 5=Complete assistance.

² American Indian/Alaskan Native, Black non-Hispanic, Hispanic.

Table 29. Average Distribution of Faculty Respondents' Administrative Assistance¹ by Institutional Funding, Disciplinary Affiliation, Administrative Roles, and Principal Activity

	Safety Planning, Training, Monitoring	Chemical-Inventory Management	Laboratory-Security Oversight	Equipment and Supply Purchases
All Institutions	2.53	2.45	2.35	2.70
Institutional Control	***	NS	**	NS
Public	2.49	2.41	2.30	2.70
Private	2.63	2.52	2.45	2.70
Carnegie Classification	**	NS	***	***
Comprehensive Doc w/Med	2.56	2.48	2.36	2.73
Comprehensive Doc w/o Med	2.41	2.32	2.21	2.55
Doctoral – Focused	2.43	2.37	2.25	2.48
Medical	2.61	2.51	2.57	2.92
Institutional Funding	*	*	**	NS
Less than \$10 - \$100M	2.48	2.43	2.32	2.66
\$100M - \$150M	2.51	2.38	2.32	2.71
\$150M - \$200M	2.43	2.38	2.13	2.60
Above \$200M	2.56	2.47	2.39	2.73
Disciplinary Affiliation	***	***	***	***
Agriculture	2.65	2.50	2.30	2.55
Biological/Life Sciences	2.68	2.59	2.44	2.77
Computer Sciences	1.69	1.11	2.03	2.77
Education	1.72	1.45	1.75	2.66
Engineering	2.50	2.45	2.59	2.47
Health Sciences	2.53	2.41	2.46	2.79
Mathematics	1.24	1.13	1.27	2.11
Physical Sciences	2.51	2.41	2.22	2.66
Psychology	2.14	1.71	2.09	2.78
Social Sciences	1.60	1.31	1.66	2.46
Other	2.40	2.37	2.26	2.65
Administrative Roles	*	*	*	***
Yes	2.61	2.42	2.42	2.82
No	2.49	2.41	2.30	2.64
Principal Activity	***	***	**	***
Clinical	2.56	2.56	2.54	2.67
Research	2.57	2.49	2.37	2.73
Instructional	2.33	2.15	2.13	2.54
Other	2.58	2.55	2.44	2.79

***p<.001, **p<.01, *p<.05, NS=not statistically significant

¹ Assistance Coding: 1=No assistance, 2=Very little assistance, 3=Some assistance, 4=A great deal of assistance, 5=Complete assistance.

Table 30. Average Distribution of Faculty Respondents' Administrative Assistance¹ by Academic Rank, Tenure Status, Race/Ethnicity, and Gender

	Safety Planning, Training, Monitoring	Chemical-Inventory Management	Laboratory-Security Oversight	Equipment and Supply Purchases
Academic Rank	***	NS	NS	***
Full Professor	2.60	2.50	2.38	2.78
Associate Professor	2.51	2.37	2.30	2.63
Assistant Professor	2.40	2.41	2.30	2.60
Tenure Status	NS	NS	NS	NS
Tenured	2.56	2.46	2.33	2.73
On tenure track, but not tenured	2.48	2.45	2.37	2.63
Not on tenure track	2.50	2.39	2.34	2.70
No tenure system for my faculty status	2.34	2.25	2.33	2.61
Race/Ethnicity	NS	NS	NS	NS
Underrepresented Minority ²	2.50	2.40	2.39	2.58
Asian/Pacific Islander	2.60	2.47	2.40	2.63
White non-Hispanic	2.53	2.46	2.34	2.72
Gender	NS	NS	NS	*
Male	2.56	2.45	2.36	2.74
Female	2.48	2.46	2.31	2.64

***p<.001, *p<.05, NS=not statistically significant

¹ Assistance Coding: 1=No assistance, 2=Very little assistance, 3=Some assistance, 4=A great deal of assistance, 5=Complete assistance.

² American Indian/Alaskan Native, Black non-Hispanic, Hispanic.

Table 31. Average Distribution of Faculty Respondents' Administrative Assistance¹ by Institutional Funding, Disciplinary Affiliation, Administrative Roles, and Principal Activity

	Personnel Hiring	Time and Effort Reporting	Personnel Evaluations	Payroll Issues
All Institutions	2.87	2.62	1.93	3.72
Institutional Control	*	*	***	*
Public	2.87	2.59	1.90	3.70
Private	2.89	2.71	2.01	3.77
Carnegie Classification	***	***	***	***
Comprehensive Doc w/Med	2.91	2.62	1.95	3.78
Comprehensive Doc w/o Med	2.78	2.50	1.86	3.56
Doctoral – Focused	2.64	2.51	1.72	3.57
Medical	2.92	2.95	2.07	3.74
Institutional Funding	NS	*	**	***
Less than \$10 - \$100M	2.81	2.52	1.91	3.49
\$100M - \$150M	2.86	2.67	1.93	3.68
\$150M - \$200M	2.79	2.48	1.79	3.63
Above \$200M	2.90	2.65	1.96	3.78
Disciplinary Affiliation	***	***	***	***
Agriculture	2.83	2.36	1.84	3.61
Biological/Life Sciences	2.89	2.68	1.88	3.85
Computer Sciences	2.99	2.67	1.86	3.90
Education	2.91	2.95	2.29	3.79
Engineering	2.42	2.64	2.87	2.56
Health Sciences	2.95	2.74	2.20	3.70
Mathematics	2.53	2.07	1.70	3.23
Physical Sciences	2.89	2.54	1.76	3.69
Psychology	2.68	2.61	1.87	3.72
Social Sciences	2.88	2.62	1.98	3.63
Other	2.78	2.56	1.96	3.61
Administrative Roles	***	***	***	*
Yes	2.97	2.76	2.10	3.70
No	2.82	2.55	1.84	3.74
Principal Activity	***	NS	***	***
Clinical	2.74	2.45	2.18	3.50
Research	2.89	2.64	1.94	3.77
Instructional	2.78	2.55	1.79	3.57
Other	2.95	2.72	2.79	2.54

***p<.001, **p<.01, *p<.05, NS=not statistically significant

¹ Assistance Coding: 1=No assistance, 2=Very little assistance, 3=Some assistance, 4=A great deal of assistance, 5=Complete assistance.

Table 32. Average Distribution of Faculty Respondents' Administrative Assistance¹ by Academic Rank, Tenure Status, Race/Ethnicity, and Gender

	Personnel Hiring	Time and Effort Reporting	Personnel Evaluations	Payroll Issues
Academic Rank	***	***	***	***
Full Professor	2.93	2.71	2.00	3.76
Associate Professor	2.82	2.55	1.86	3.70
Assistant Professor	2.79	2.49	1.84	3.66
Tenure Status	NS	*	***	NS
Tenured	2.89	2.64	1.96	3.74
On tenure track, but not tenured	2.89	2.52	1.82	3.69
Not on tenure track	2.87	2.65	2.10	3.70
No tenure system for my faculty status	2.92	2.66	1.84	3.70
Race/Ethnicity	*	***	NS	***
Underrepresented Minority ²	2.83	2.43	1.84	3.65
Asian/Pacific Islander	2.78	2.49	1.99	3.36
White non-Hispanic	2.89	2.65	1.94	3.78
Gender	***	***	**	*
Male	2.91	2.66	1.96	3.72
Female	2.79	2.54	1.87	3.76

***p<.001, **p<.01, *p<.05, NS=not statistically significant

¹ Assistance Coding: 1=No assistance, 2=Very little assistance, 3=Some assistance, 4=A great deal of assistance, 5=Complete assistance.

² American Indian/Alaskan Native, Black non-Hispanic, Hispanic.

Table 33. Average Distribution of Faculty Respondents' Administrative Assistance¹ by Institutional Funding, Disciplinary Affiliation, Administrative Roles, and Principal Activity

	Budget Transfers	Cost-Accounting Issues	Cost-Sharing Agreements	Project-Revenue Management
All Institutions	3.63	3.56	3.38	3.18
Institutional Control	NS	NS	***	NS
Public	3.61	3.54	3.33	3.17
Private	3.68	3.60	3.50	3.20
Carnegie Classification	**	**	***	**
Comprehensive Doc w/Med	3.68	3.60	3.46	3.21
Comprehensive Doc w/o Med	3.54	3.42	3.08	3.06
Doctoral – Focused	3.43	3.40	3.24	3.05
Medical	3.62	3.58	3.44	3.21
Institutional Funding	***	**	**	***
Less than \$10 - \$100M	3.46	3.41	3.19	3.04
\$100M - \$150M	3.60	3.51	3.32	3.20
\$150M - \$200M	3.50	3.44	3.30	3.06
Above \$200M	3.69	3.61	3.44	3.21
Disciplinary Affiliation	***	***	***	***
Agriculture	3.63	3.47	3.31	3.02
Biological/Life Sciences	3.71	3.63	3.52	3.26
Computer Sciences	3.59	3.54	3.36	3.13
Education	3.69	3.61	3.38	3.31
Engineering	1.93	3.60	3.60	3.49
Health Sciences	3.64	3.62	3.52	3.30
Mathematics	3.24	3.22	3.05	3.07
Physical Sciences	3.62	3.54	3.22	3.13
Psychology	3.59	3.46	3.22	3.03
Social Sciences	3.54	3.58	3.44	3.15
Other	3.56	3.44	3.26	3.10
Administrative Roles	NS	NS	***	**
Yes	3.68	3.59	3.40	3.24
No	3.61	3.54	3.37	3.14
Principal Activity	*	**	***	NS
Clinical	3.35	3.33	3.22	3.08
Research	3.65	3.59	3.43	3.19
Instructional	3.56	3.46	3.23	3.09
Other	3.71	3.58	3.36	3.27

***p<.001, **p<.01, *p<.05, NS=not statistically significant

¹ Assistance Coding: 1=No assistance, 2=Very little assistance, 3=Some assistance, 4=A great deal of assistance, 5=Complete assistance.

Table 34. Average Distribution of Faculty Respondents' Administrative Assistance¹ by Academic Rank, Tenure Status, Race/Ethnicity, and Gender

	Budget Transfers	Cost-Accounting Issues	Cost-Sharing Agreements	Project-Revenue Management
Academic Rank	***	*	NS	***
Full Professor	3.68	3.61	3.41	3.26
Associate Professor	3.61	3.52	3.32	3.10
Assistant Professor	3.55	3.46	3.35	3.08
Tenure Status	NS	NS	**	**
Tenured	3.65	3.58	3.38	3.21
On tenure track, but not tenured	3.58	3.49	3.37	3.07
Not on tenure track	3.63	3.57	3.46	3.21
No tenure system for my faculty status	3.59	3.57	3.33	3.22
Race/Ethnicity	***	***	***	***
Underrepresented Minority ²	3.59	3.42	3.38	3.18
Asian/Pacific Islander	3.26	3.28	3.00	2.98
White non-Hispanic	3.13	3.05	2.21	2.26
Gender	**	NS	NS	NS
Male	3.64	3.57	3.37	3.20
Female	3.64	3.55	3.44	3.14

***p<.001, **p<.01, *p<.05, NS=not statistically significant

¹ Assistance Coding: 1=No assistance, 2=Very little assistance, 3=Some assistance, 4=A great deal of assistance, 5=Complete assistance.

² American Indian/Alaskan Native, Black non-Hispanic, Hispanic.

Table 35. Average Distribution of Faculty Respondents' Administrative Assistance¹ by Institutional Funding, Disciplinary Affiliation, Administrative Roles, and Principal Activity

	Spending- Authority Oversight	Subcontracting and Collaborations	IACUC Protocols and Training	IACUC- Compliance Issues
All Institutions	3.09	3.01	2.19	2.24
Institutional Control	NS	NS	NS	*
Public	3.07	2.98	2.17	2.21
Private	3.14	3.08	2.23	2.31
Carnegie Classification	***	**	***	***
Comprehensive Doc w/Med	3.12	3.05	2.19	2.25
Comprehensive Doc w/o Med	2.95	2.86	2.14	2.15
Doctoral – Focused	3.03	2.82	2.06	2.17
Medical	3.23	3.07	2.31	2.35
Institutional Funding	NS	NS	NS	NS
Less than \$10 - \$100M	2.96	2.88	2.15	2.19
\$100M - \$150M	3.12	2.96	2.18	2.21
\$150M - \$200M	2.96	2.95	2.25	2.27
Above \$200M	3.13	3.04	2.20	2.26
Disciplinary Affiliation	***	***	***	***
Agriculture	3.02	3.07	2.27	2.38
Biological/Life Sciences	3.17	3.04	2.32	2.38
Computer Sciences	3.10	2.90	1.45	1.37
Education	3.12	3.10	1.38	1.38
Engineering	3.20	3.05	2.94	2.86
Health Sciences	3.19	3.17	2.24	2.25
Mathematics	2.74	2.58	1.08	1.08
Physical Sciences	3.05	2.86	1.72	1.74
Psychology	2.97	2.91	1.85	1.94
Social Sciences	3.15	3.07	1.40	1.40
Other	3.01	3.01	2.08	2.13
Administrative Roles	***	***	*	NS
Yes	3.14	3.11	2.26	2.28
No	3.07	2.94	2.16	2.22
Principal Activity	*	**	***	***
Clinical	2.90	3.01	2.37	2.38
Research	3.13	3.03	2.22	2.28
Instructional	2.97	2.86	1.97	2.00
Other	3.09	3.08	2.13	2.14

***p<.001, **p<.01, *p<.05, NS=not statistically significant

¹ Assistance Coding: 1=No assistance, 2=Very little assistance, 3=Some assistance, 4=A great deal of assistance, 5=Complete assistance.

Table 36. Average Distribution of Faculty Respondents' Administrative Assistance¹ by Academic Rank, Tenure Status, Race/Ethnicity, and Gender

	Spending-Authority Oversight	Subcontracting and Collaborations	IACUC Protocols and Training	IACUC-Compliance Issues
Academic Rank	**	***	***	***
Full Professor	3.14	3.06	2.25	2.31
Associate Professor	3.04	2.96	2.15	2.17
Assistant Professor	3.04	2.91	2.09	2.16
Tenure Status	NS	NS	**	**
Tenured	3.10	3.02	2.21	2.26
On tenure track, but not tenured	3.05	2.94	2.11	2.16
Not on tenure track	3.14	3.11	2.22	2.29
No tenure system for my faculty status	3.14	2.97	2.30	2.27
Race/Ethnicity	***	***	NS	NS
Underrepresented Minority ²	3.16	2.89	2.19	2.22
Asian/Pacific Islander	2.84	2.74	2.24	2.26
White non-Hispanic	2.38	2.40	2.39	2.42
Gender	NS	NS	NS	NS
Male	3.10	3.00	2.22	2.26
Female	3.08	3.01	2.10	2.20

***p<.001, **p<.01, NS=not statistically significant

¹ Assistance Coding: 1=No assistance, 2=Very little assistance, 3=Some assistance, 4=A great deal of assistance, 5=Complete assistance.

² American Indian/Alaskan Native, Black non-Hispanic, Hispanic.

Table 37. Average Distribution of Faculty Respondents' Administrative Assistance¹ by Institutional Funding, Disciplinary Affiliation, Administrative Roles, and Principal Activity

	Training Personnel and Students	IRB Protocols and Training	IRB-Compliance Issues	HIPAA Compliance
All Institutions	2.36	2.38	2.37	2.39
Institutional Control	NS	NS	*	***
Public	2.35	2.36	2.35	2.32
Private	2.38	2.41	2.41	2.50
Carnegie Classification	***	NS	**	***
Comprehensive Doc w/Med	2.39	2.39	2.37	2.41
Comprehensive Doc w/o Med	2.21	2.26	2.28	2.11
Doctoral – Focused	2.13	2.30	2.29	2.15
Medical	2.48	2.47	2.48	2.55
Institutional Funding	NS	NS	NS	NS
Less than \$10 - \$100M	2.39	2.45	2.43	2.50
\$100M - \$150M	2.32	2.33	2.36	2.32
\$150M - \$200M	2.35	2.46	2.40	2.42
Above \$200M	2.37	2.36	2.36	2.38
Disciplinary Affiliation	***	***	***	***
Agriculture	2.49	2.45	2.42	2.36
Biological/Life Sciences	2.54	2.45	2.46	2.50
Computer Sciences	1.37	2.14	2.02	1.76
Education	2.04	2.44	2.46	2.53
Engineering	2.00	2.00	2.30	2.20
Health Sciences	2.47	2.50	2.48	2.54
Mathematics	1.44	1.24	1.22	1.36
Physical Sciences	1.79	1.84	1.83	1.73
Psychology	1.91	2.25	2.22	2.15
Social Sciences	1.85	2.30	2.27	2.12
Other	2.09	2.40	2.41	2.45
Administrative Roles	NS	***	***	***
Yes	2.39	2.52	2.51	2.50
No	2.34	2.28	2.27	2.31
Principal Activity	***	***	***	***
Clinical	2.41	2.65	2.68	2.68
Research	2.40	2.37	2.36	2.39
Instructional	2.09	2.25	2.23	2.13
Other	2.34	2.52	2.48	2.50

***p<.001, **p<.01, *p<.05, NS=not statistically significant

¹ Assistance Coding: 1=No assistance, 2=Very little assistance, 3=Some assistance, 4=A great deal of assistance, 5=Complete assistance.

Table 38. Average Distribution of Faculty Respondents' Administrative Assistance¹ by Academic Rank, Tenure Status, Race/Ethnicity, and Gender

	Training Personnel and Students	IRB Protocols and Training	IRB-Compliance Issues	HIPAA Compliance
Academic Rank	**	***	***	**
Full Professor	2.44	2.45	2.44	2.43
Associate Professor	2.31	2.38	2.37	2.39
Assistant Professor	2.23	2.20	2.20	2.28
Tenure Status	NS	***	***	***
Tenured	2.39	2.41	2.40	2.37
On tenure track, but not tenured	2.26	2.20	2.22	2.29
Not on tenure track	2.36	2.55	2.53	2.64
No tenure system for my faculty status	2.38	2.36	2.36	2.41
Race/Ethnicity	NS	NS	NS	*
Underrepresented Minority ²	2.22	2.39	2.33	2.34
Asian/Pacific Islander	2.38	2.27	2.22	2.20
White non-Hispanic	2.39	2.40	2.40	2.43
Gender	NS	*	*	NS
Male	2.36	2.42	2.41	2.39
Female	2.36	2.30	2.30	2.40

***p<.001, **p<.01, *p<.05, NS=not statistically significant

¹ Assistance Coding: 1=No assistance, 2=Very little assistance, 3=Some assistance, 4=A great deal of assistance, 5=Complete assistance.

² American Indian/Alaskan Native, Black non-Hispanic, Hispanic.

Table 39. Shifting the Administrative Burden – Responses by Institutional Context

	Percent of time spent managing grants that could be handled by administrator	Additional hours/week could devote to research if had more administrative assistance	Percent of direct costs would reallocate to administrative support
All Institutions	27.6	4.0	3.6
Institutional Control	NS	NS	*
Public	27.3	4.0	3.7
Private	28.5	4.0	3.3
Institutional Funding	NS	*	NS
Less than \$10 - \$100M	29.8	4.4	3.9
\$100M - \$150M	28.6	4.1	3.7
\$150M - \$200M	27.1	4.1	3.4
Above \$200M	27.2	3.9	3.6
Institutional Classification	***	**	**
Comprehensive Doc w/ Med	27.3	4.0	3.6
Comprehensive Doc w/o Med	26.4	3.9	3.6
Doctoral - Focused	27.3	4.0	3.8
Medical	31.7	4.5	4.1
Disciplinary Affiliation	***	***	***
Agriculture	24.9	3.9	3.4
Biological or Life Sciences	27.9	4.2	3.2
Computer Sciences	25.2	3.1	3.9
Education	25.7	4.4	5.2
Engineering	25.8	4.2	3.8
Health Sciences	32.0	4.8	4.7
Mathematics	21.2	1.4	2.8
Physical Sciences	24.0	3.4	2.9
Psychology	29.1	4.4	4.3
Social Sciences	29.0	3.3	4.1
Other			
Administrative Roles	***	***	***
Yes	29.9	4.6	4.2
No	26.3	3.7	3.3

***p<.001, **p<.01, *p<.05, NS=not statistically significant

Note: Mean percentages for these survey items were obtained by extrapolating from the ranges used for the response options.

Table 40. Shifting the Administrative Burden – Responses by Individual Faculty Characteristics

	Percent of time spent managing grants that could be handled by administrator	Additional hours/week could devote to research if had more administrative assistance	Percent of direct costs would reallocate to administrative support
Academic Rank	**	NS	***
Full Professor	26.7	4.0	3.5
Associate Professor	28.8	4.2	3.9
Assistant Professor	28.3	3.9	3.6
Tenure Status	NS	NS	*
Tenured	27.2	4.0	3.6
On tenure track, but not tenured	28.1	4.0	3.7
Not on tenure track	29.3	4.1	4.0
No tenure system for my faculty status	27.2	4.5	4.0
Race/Ethnicity	NS	NS	NS
Underrepresented Minority ¹	27.0	4.3	3.4
Asian/Pacific Islander	26.3	4.1	3.1
White non-Hispanic	27.5	4.0	3.7
Gender	NS	***	***
Male	27.3	3.9	3.5
Female	28.2	4.4	4.0

***p<.001, **p<.01, *p<.05, NS=not statistically significant

¹ American Indian/Alaskan Native, Black non-Hispanic, Hispanic, Other.

Note: Mean percentages for these survey items were obtained by extrapolating from the ranges used for the response options.