

Ph.D. Exit Survey

Summary of Responses for Academic Year 2018

(Summer 2017, Fall 2017, & Spring 2018)

University of Pennsylvania

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2017-18 Ph.D. Exit Survey: Group Respondent Representativeness (based on census file)

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Ph.D Exit Survey	Respondent Representativeness		
	Population	Respondents	Response Rate
	449	449	100%

By School	Population	Respondents	Population Distribution	Respondent Distribution	Difference
Arts & Sciences: Humanities	81	81	18%	18%	
Arts & Sciences: Natural Sciences	70	70	16%	16%	
Arts & Sciences: Social Sciences	36	36	8%	8%	
Annenberg School for Communication	15	15	3%	3%	
Design	5	5	1%	1%	
Graduate School of Education	13	13	3%	3%	
School of Engineering & Applied Science	75	75	17%	17%	
School of Nursing	15	15	3%	3%	
Perelman School of Medicine	97	97	22%	22%	
School of Social Policy & Practice	6	6	1%	1%	
The Wharton School	36	36	8%	8%	
Total	449	449	100%	100%	

By Race/Ethnicity	Population	Respondents	Population Distribution	Respondent Distribution
International	149	149	33%	33%
Non-URM				
Asian American/Pacific Islander	44	44	10%	10%
White non-Hispanic	208	208	46%	46%
Other/Unknown	4	4	1%	1%
URM				
African American/Black	14	14	3%	3%
Hispanic/Latino/a	19	19	4%	4%
American Indian/Alaskan Native	1	1	0%	0%
Two or more races	10	10	2%	2%
Total	449	449	100%	100%

By Academic Year	Population	Respondents	Population Distribution	Respondent Distribution
Male	239	239	53%	53%
Female	210	210	47%	47%
Total	449	449	100%	100%

By Cluster	Population	Respondents	Population Distribution	Respondent Distribution
Engineering	58	58	13%	13%
Formal Science	42	42	9%	9%
Humanities	83	83	18%	18%
Life Science	111	111	25%	25%
Physical Science	42	42	9%	9%
Social Science	113	113	25%	25%
Total	449	449	100%	100%

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2017-18 Ph.D. Exit Survey: Respondents by Graduate Group (based on census file)

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Graduate Group	Year Graduated				
	2014	2015	2016	2017	2018
A&S Humanities Total	59	66	59	64	81
Africana Studies	0	1	0	0	3
Ancient History	2	0	1	2	2
Art and Archaeology of the Medit.	2	2	1	3	4
Classical Studies	3	3	5	0	0
Comparative Literature	6	4	4	3	4
East Asian Languages and Civilization	7	6	4	7	5
English	12	9	11	9	10
German	3	1	0	1	1
History	9	13	13	6	17
History of Art	2	3	2	5	6
Music	3	4	1	7	4
Near Eastern Languages and Civiliz	2	5	0	3	6
Philosophy	3	5	3	4	6
Religious Studies	0	2	1	4	5
Romance Language	3	5	12	7	8
South Asian Studies	2	3	1	3	0
A&S Natural Sciences Total	81	79	75	71	70
Applied Math & Computational Sci.	4	3	1	5	2
Biology	9	6	8	9	6
Chemistry	30	26	26	21	30
Earth and Environmental Science	2	4	2	1	1
Linguistics	3	5	4	4	3
Mathematics	15	4	10	6	5
Physics and Astronomy	13	24	16	14	11
Psychology	5	7	8	11	12
A&S Social Sciences Total	43	54	46	50	36
Anthropology	3	10	6	5	3
Criminology	0	3	2	1	2
Demography	8	5	9	6	8
Economics	18	13	18	16	12
History & Sociology of Science	3	7	4	4	1
Political Science	7	11	4	9	5
Sociology	4	5	3	9	5
Annenberg Total	11	6	10	14	15
Communication	11	6	10	14	15
Design Total	6	9	7	9	5
Architecture	2	1	3	4	2
City and Planning	4	8	4	5	3
Education Total	23	19	19	32	13
Education	23	19	19	32	13
Engineering Total	52	78	74	66	75
Bioengineering	14	21	13	13	16
Chemical and Biomedical Engineering	9	13	13	12	13
Computer and Information Science	14	14	15	14	17
Electrical & System Engineering	5	7	10	13	14
Materials Science and Engineering	4	11	15	5	8
Mechanical Engineering and Applied Mechanics	6	12	8	9	7
Nursing Total	13	12	11	15	15
Nursing	13	12	11	15	15

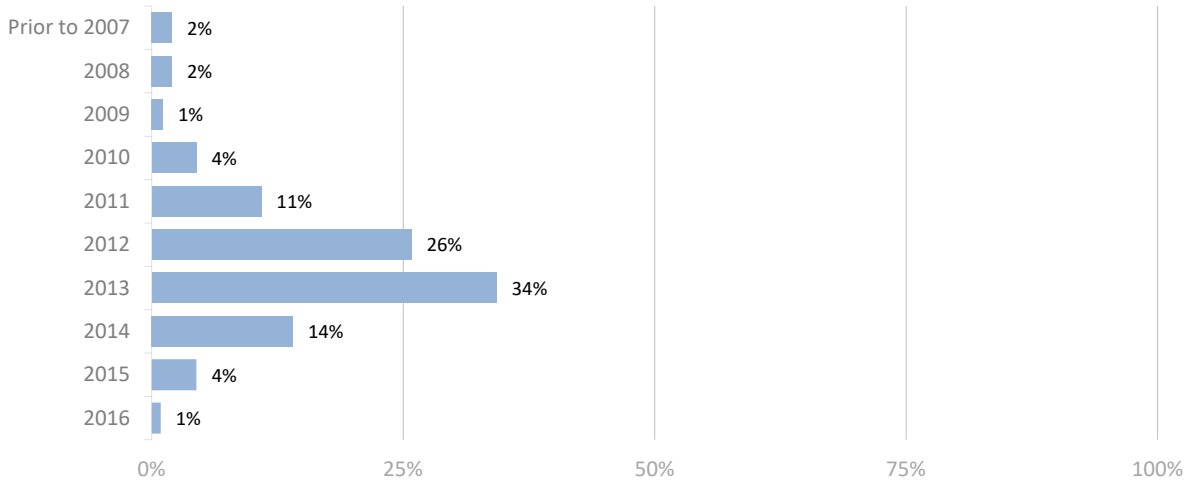
2017-18 Ph.D. Exit Survey: Respondents by Graduate Group (based on census file)

University of Pennsylvania

Graduate Group	Year Graduated				
	2014	2015	2016	2017	2018
Perelman School of Medicine Total	111	107	115	112	97
Biochemistry & Molecular Biophysics	17	8	8	17	10
Cell and Molecular Biology	27	42	59	52	45
Epidemiology and Biostatistics	10	7	8	8	8
Genomics and Computational Biology	8	5	6	5	5
Immunology	20	11	8	9	1
Neuroscience	17	21	20	13	20
Pharmacology	12	13	6	8	8
Social Policy & Practice Total	2	6	1	3	6
Social Welfare	2	6	1	3	6
Wharton Total	28	30	31	40	36
Accounting	1	2	1	2	3
Applied Economics	4	5	7	3	4
Finance	4	6	4	7	4
Health Care Management & Economics	2	1	4	10	8
Legal Studies and Business Ethics	1	2	0	1	1
Management	2	4	2	2	3
Marketing	1	3	3	2	5
Operations, Information & Decisions	3	3	5	3	5
Statistics	10	4	5	10	3
University Total	429	466	448	476	449

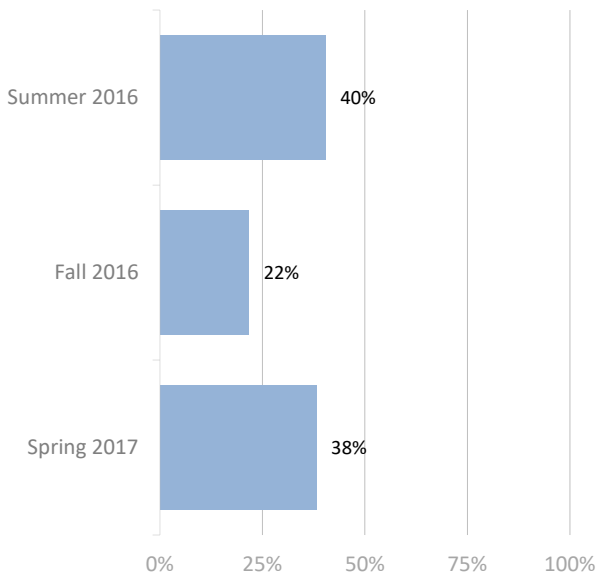
Note: Graduate group counts for the above table may vary slightly with previous years' data. Current reports use census data only for the above table. In previous years' report, a combination of survey and census data were used.

Figure 2: First enrollment as a graduate student at Penn:



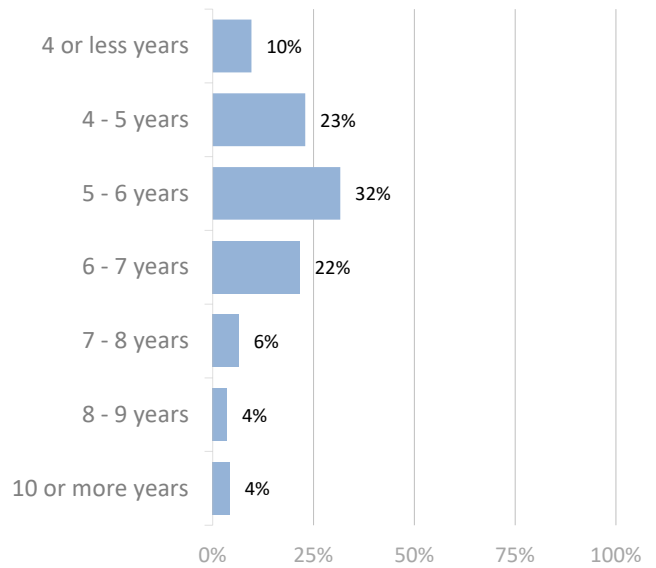
Responses: 449

Figure 3: Degrees Awarded by Term:



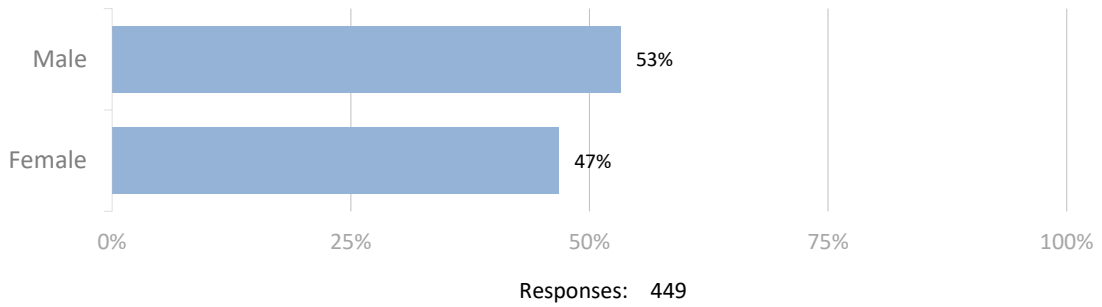
Responses: 449

Figure 4: Average Time to Degree (semester/year degree received - semester/year degree started):



Responses: 449
(Mean=5.98, Std=1.72)

Figure 5: Respondents by Gender:



*Figure 6: Respondents by sexual orientation:

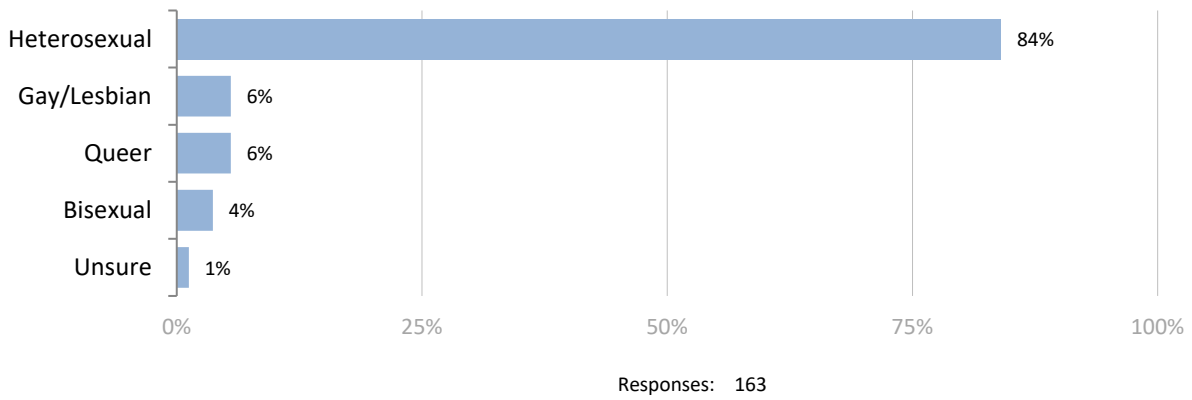


Figure 7: Respondents by citizenship status:

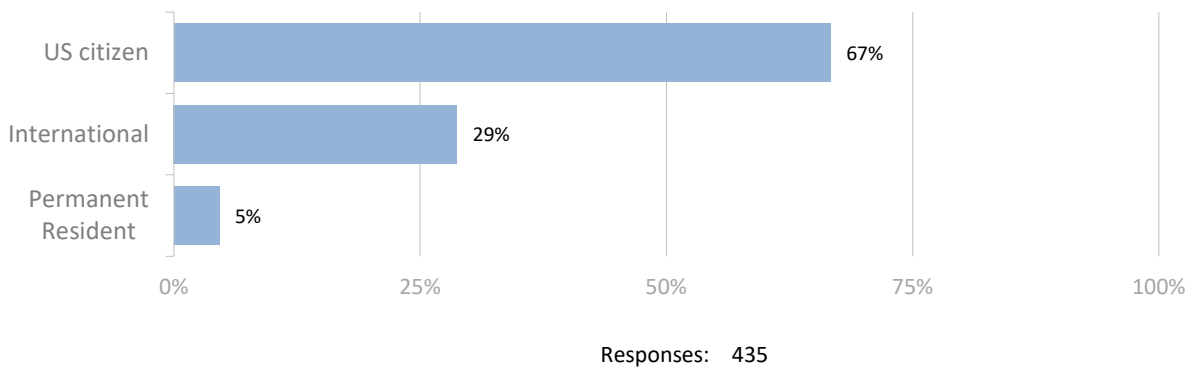
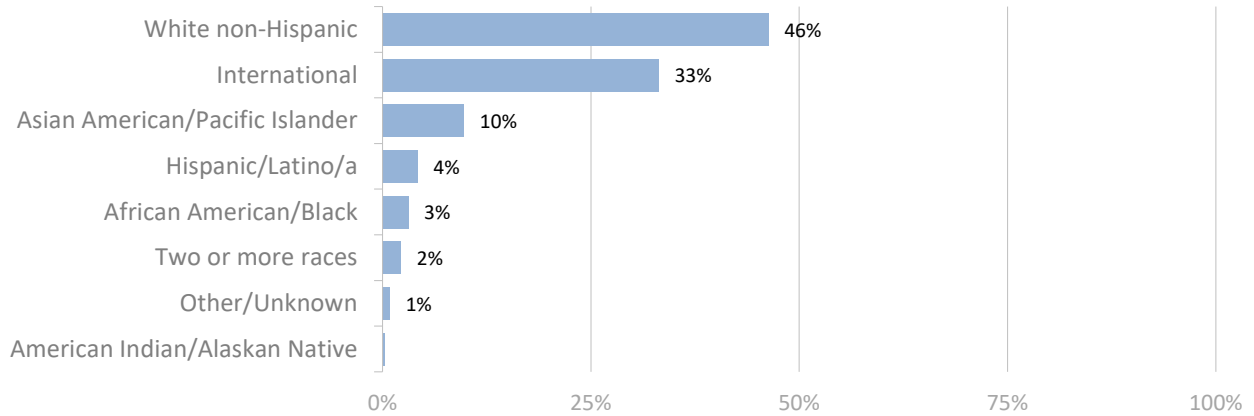


Figure 6: Question modified in AY 2017-18.

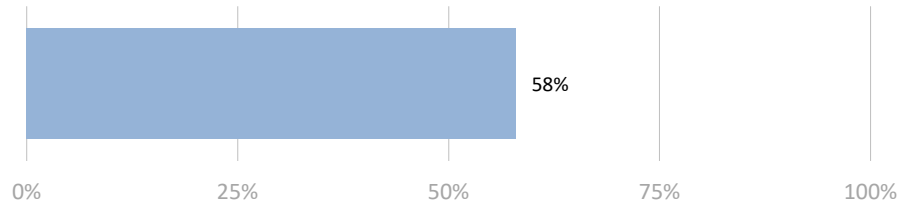
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Figure 8: Respondents by Race:



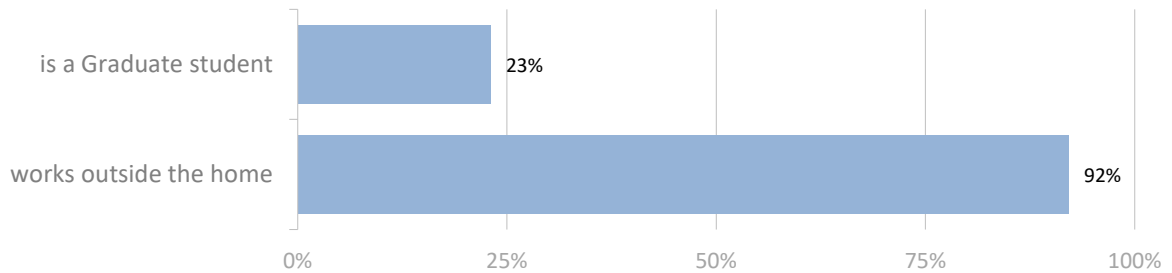
Responses: 449

Figure 9: Respondents who are currently married or living with a long-term partner:



Responses: 414

Figure 10: Respondents whose spouse or partner...



Responses: 240

Figure 11: Respondents with children:

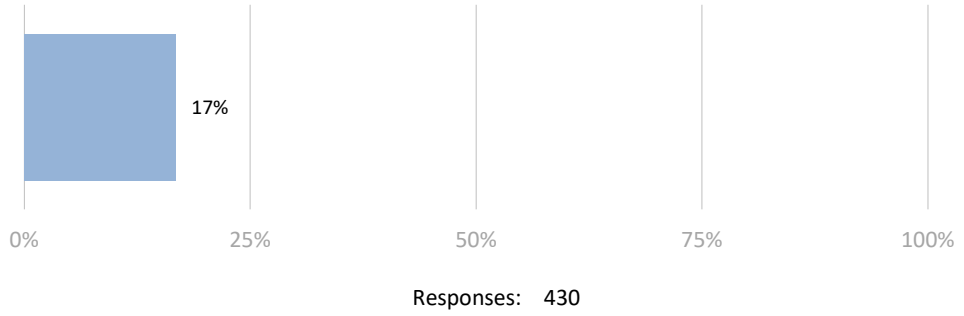


Figure 12: Of those with children, percent with kids in the following age ranges (indicate all that apply):

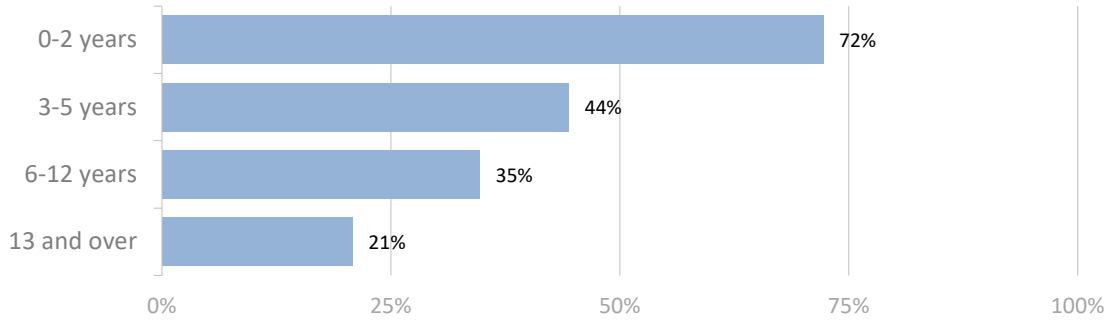


Figure 13: International respondents who plan to return to their country for professional employment within the next two years:

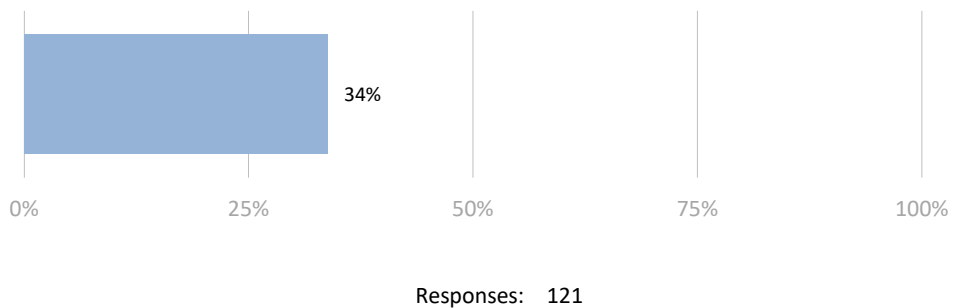
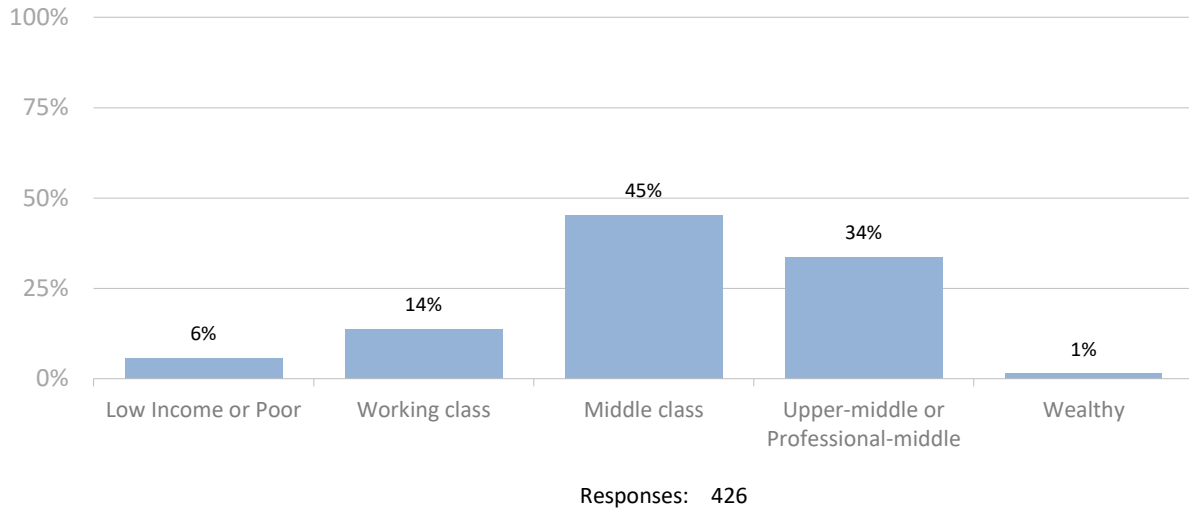
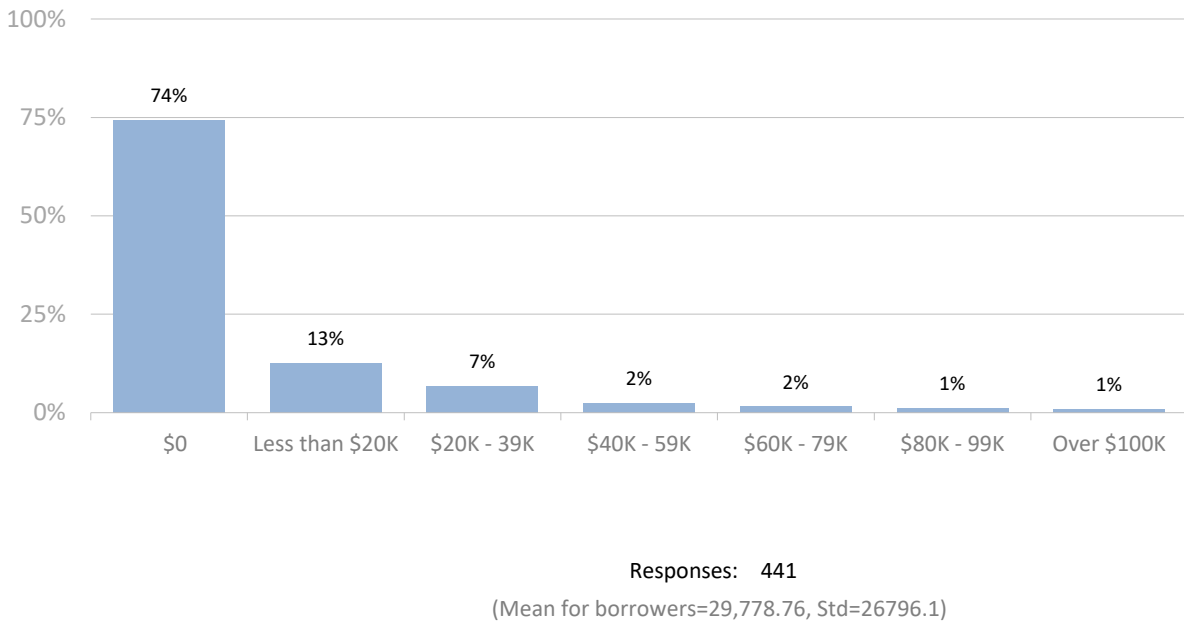


Figure 14: Respondents self identified Socio-Economic Status:



*Figure 14a: Debt related to UNDERGRADUATE education:



*Question added in AY 2015-2016.

Figure 15: Percent reporting program providing a formal orientation to help understand the process of completing their graduate degree:

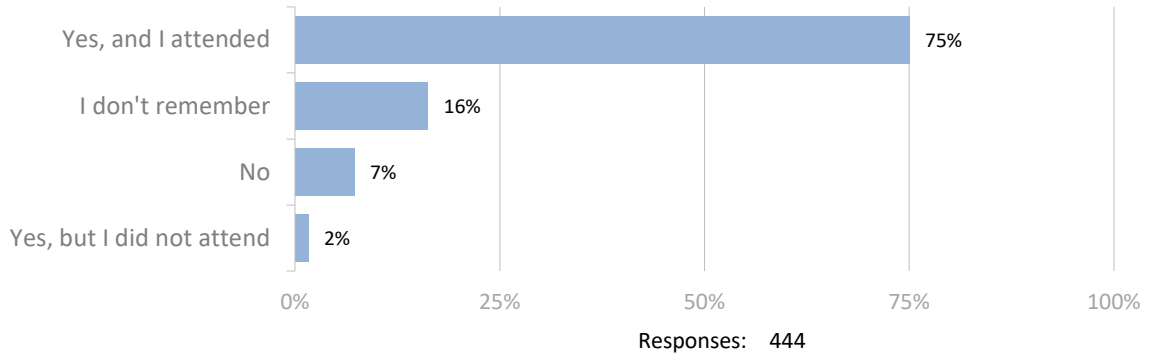


Figure 16: Effectiveness of orientation in helping to understand the process of completing graduate degree:

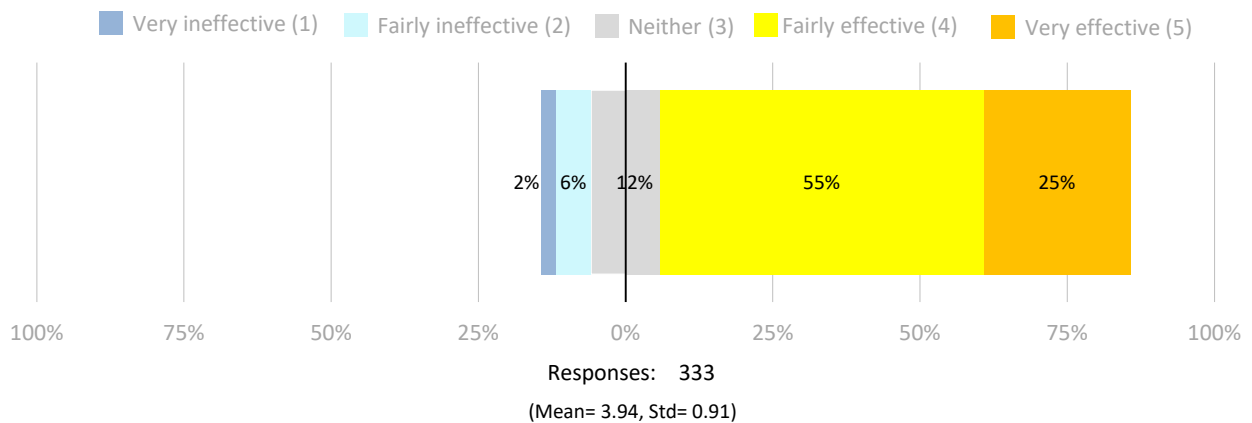
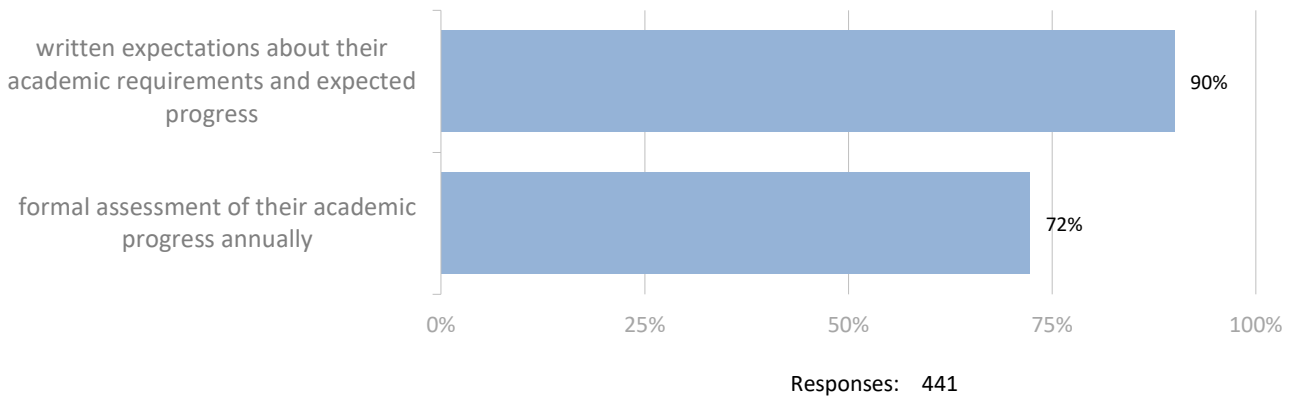
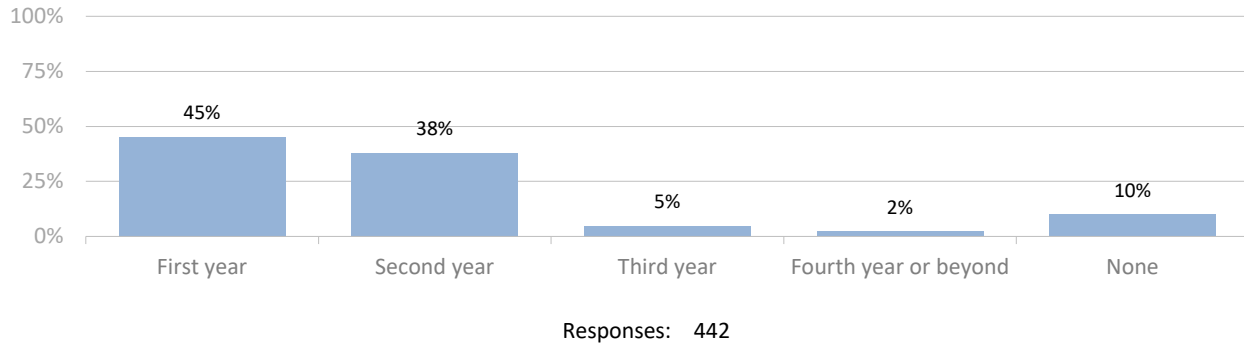


Figure 17: Respondents who received...

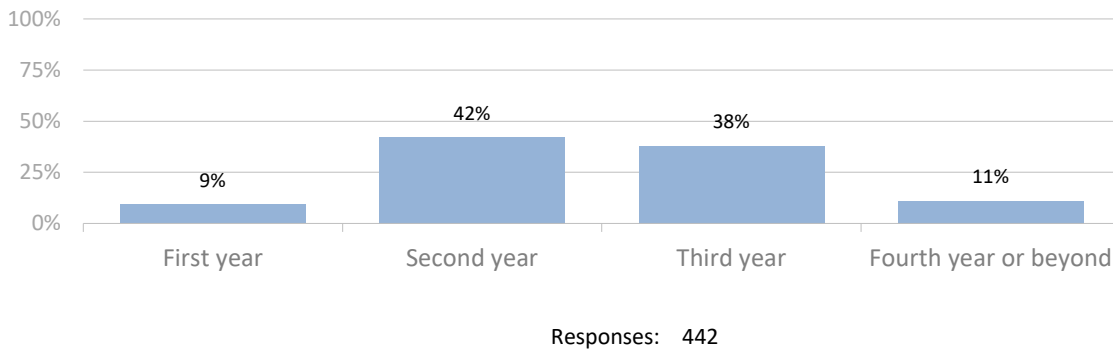


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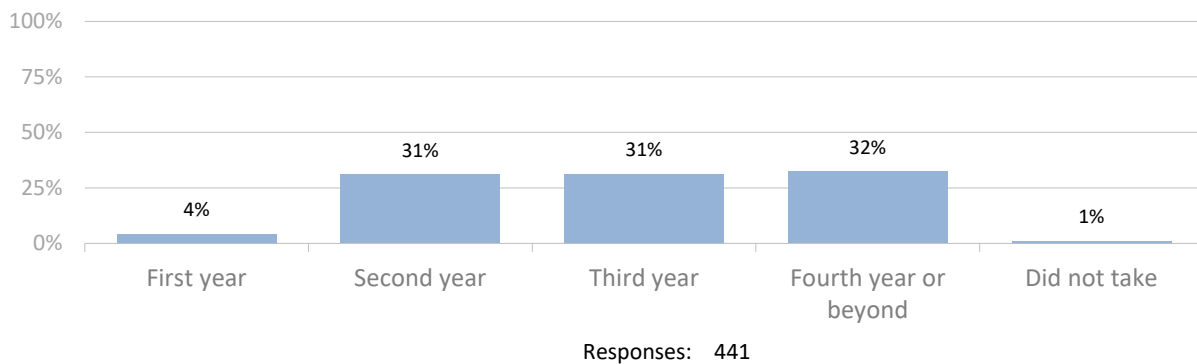
***Figure 17a: Percent reporting early formal academic assessment or exam to review overall academic progress:**



***Figure 17b: Year of study in which coursework for Ph.D. completed:**



***Figure 17c: Year of study in which Candidacy Exam completed:**



*Questions added in AY 2014-2015.

Figure 18: Value of Candidacy Exam (the last examination prior to dissertation research):

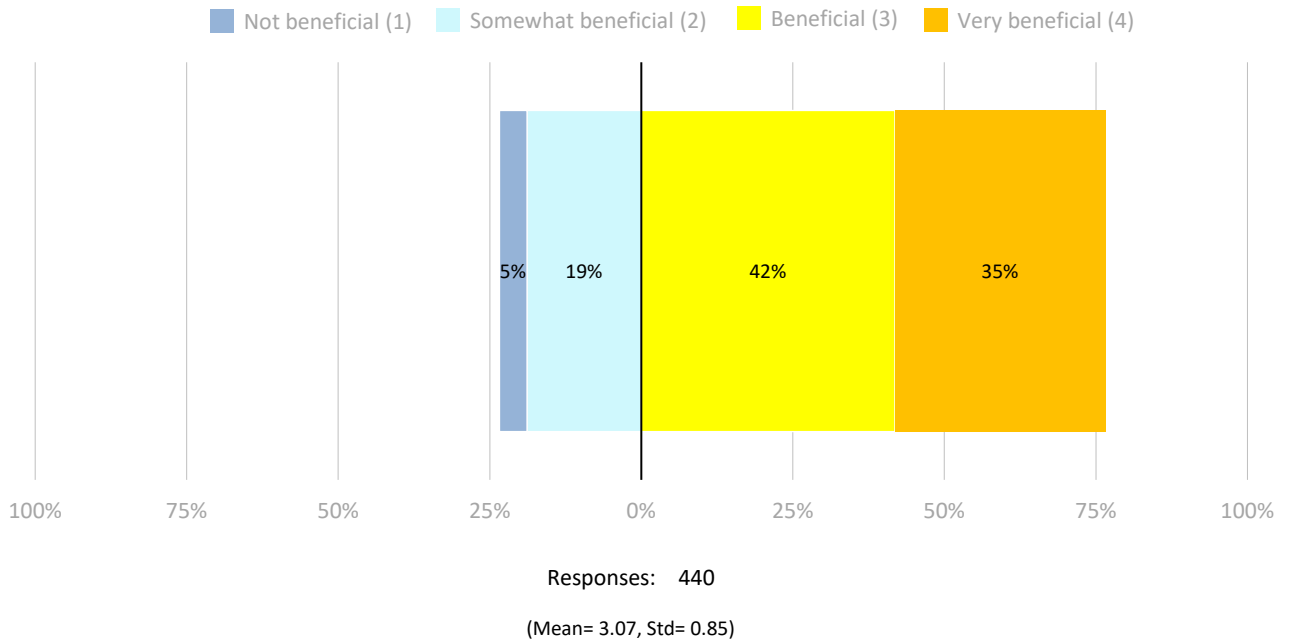
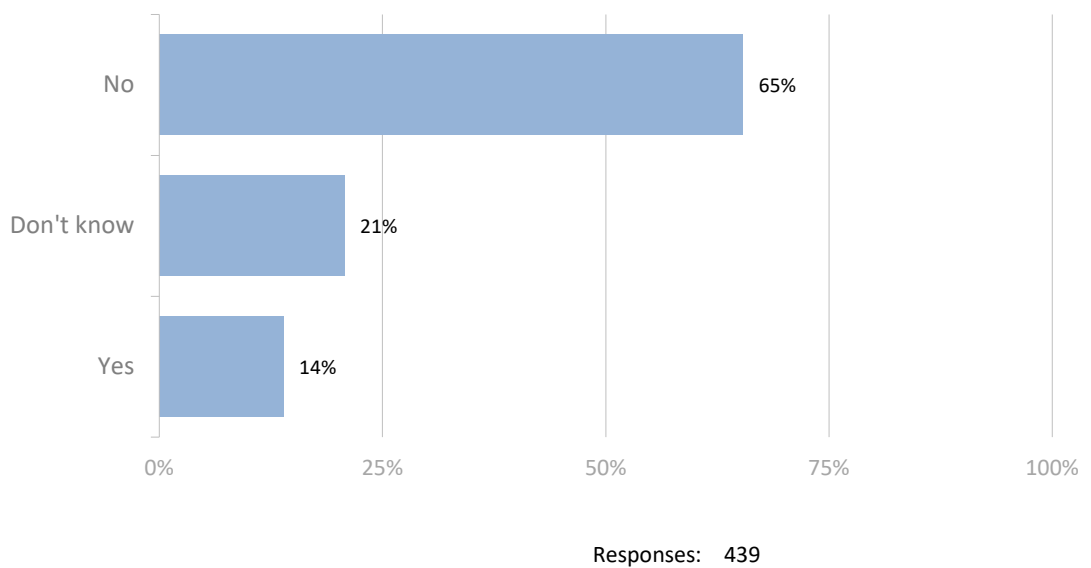
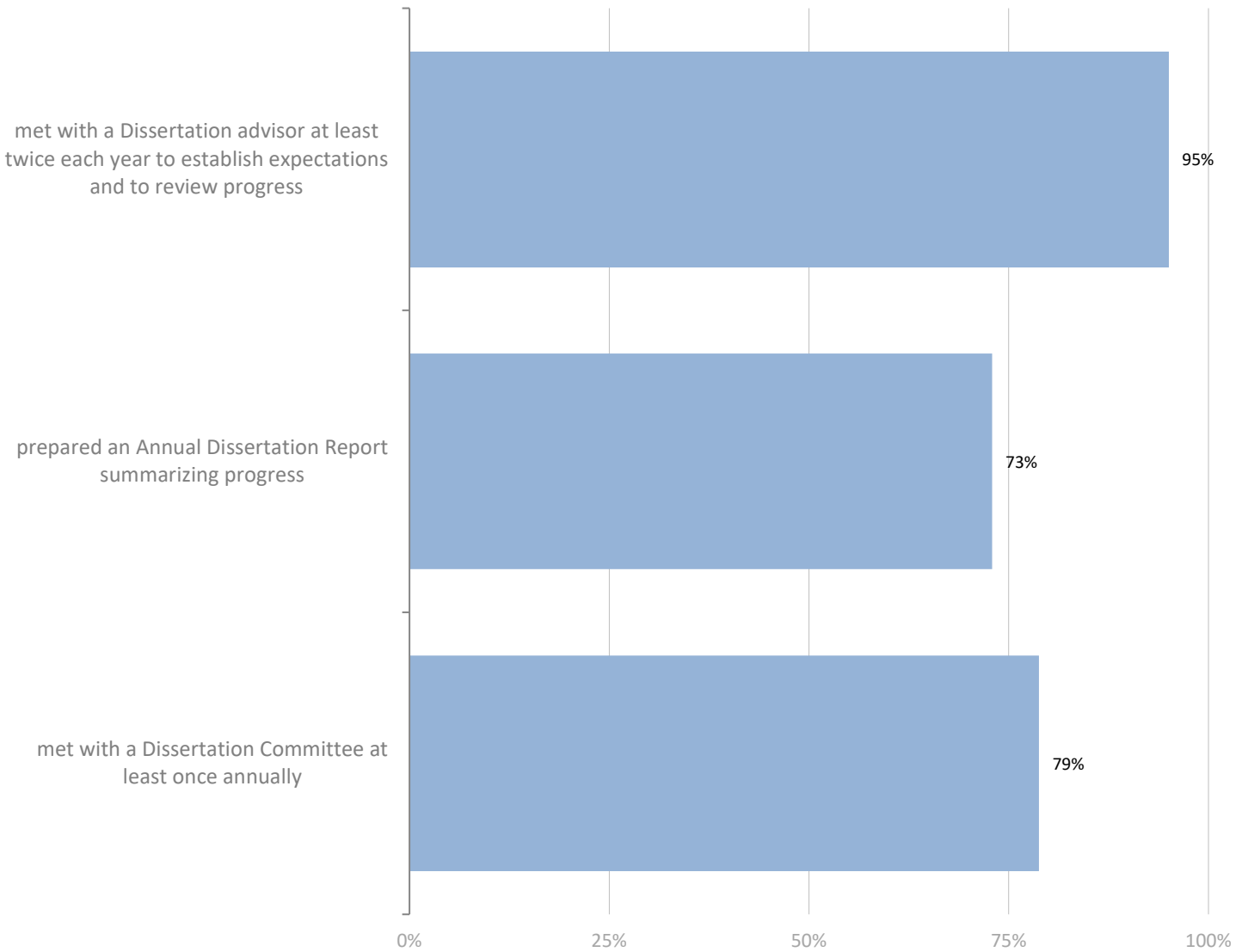


Figure 19: Percent responding Candidacy Exam in its current form should be modified:



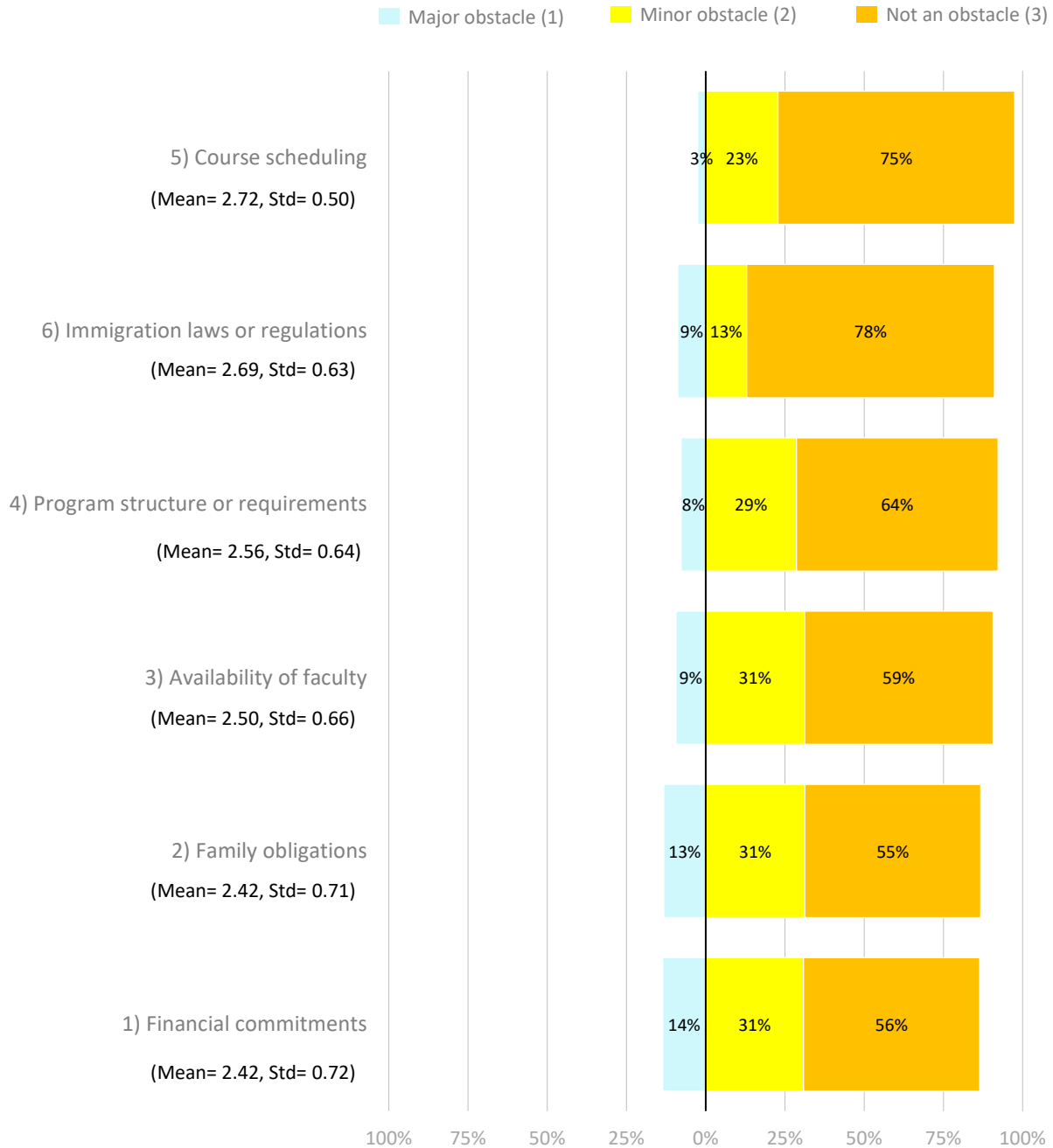
*Figure 19a: Percent of respondents who...



Responses: 443

*Questions added at the middle of 2014-2015 survey administration.

Figure 20: Obstacles to academic progress:



Average Responses per Item: 378

Figure 21: Number of faculty serving on Dissertation committee:

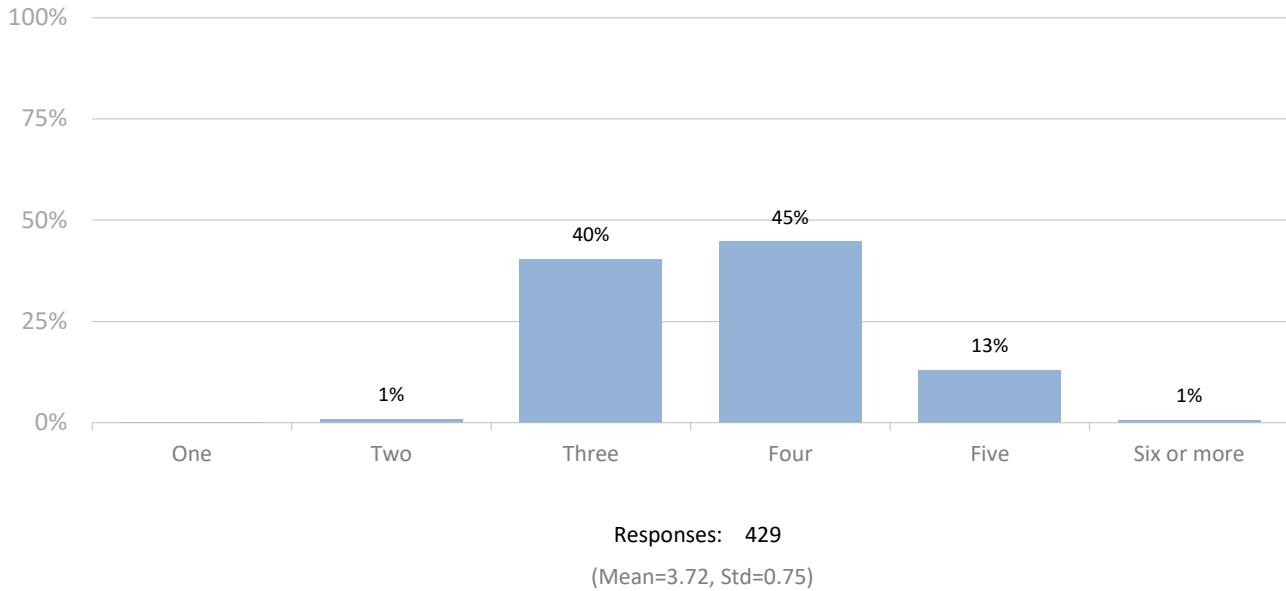


Figure 22: Respondents who received mentoring from:

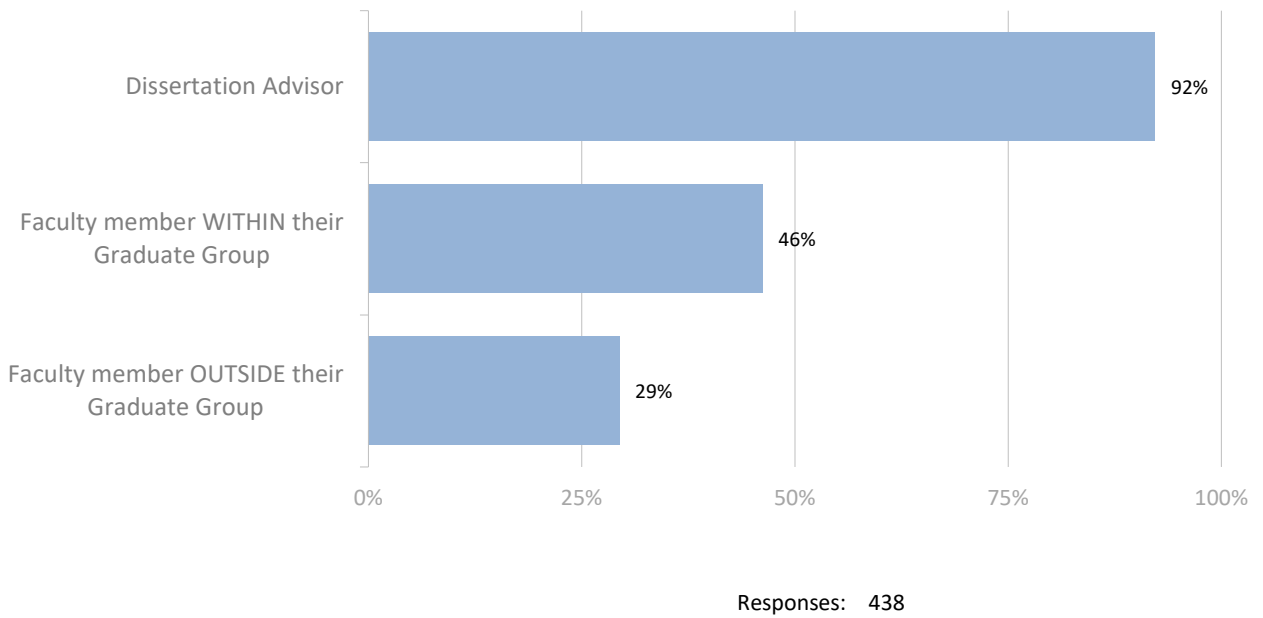
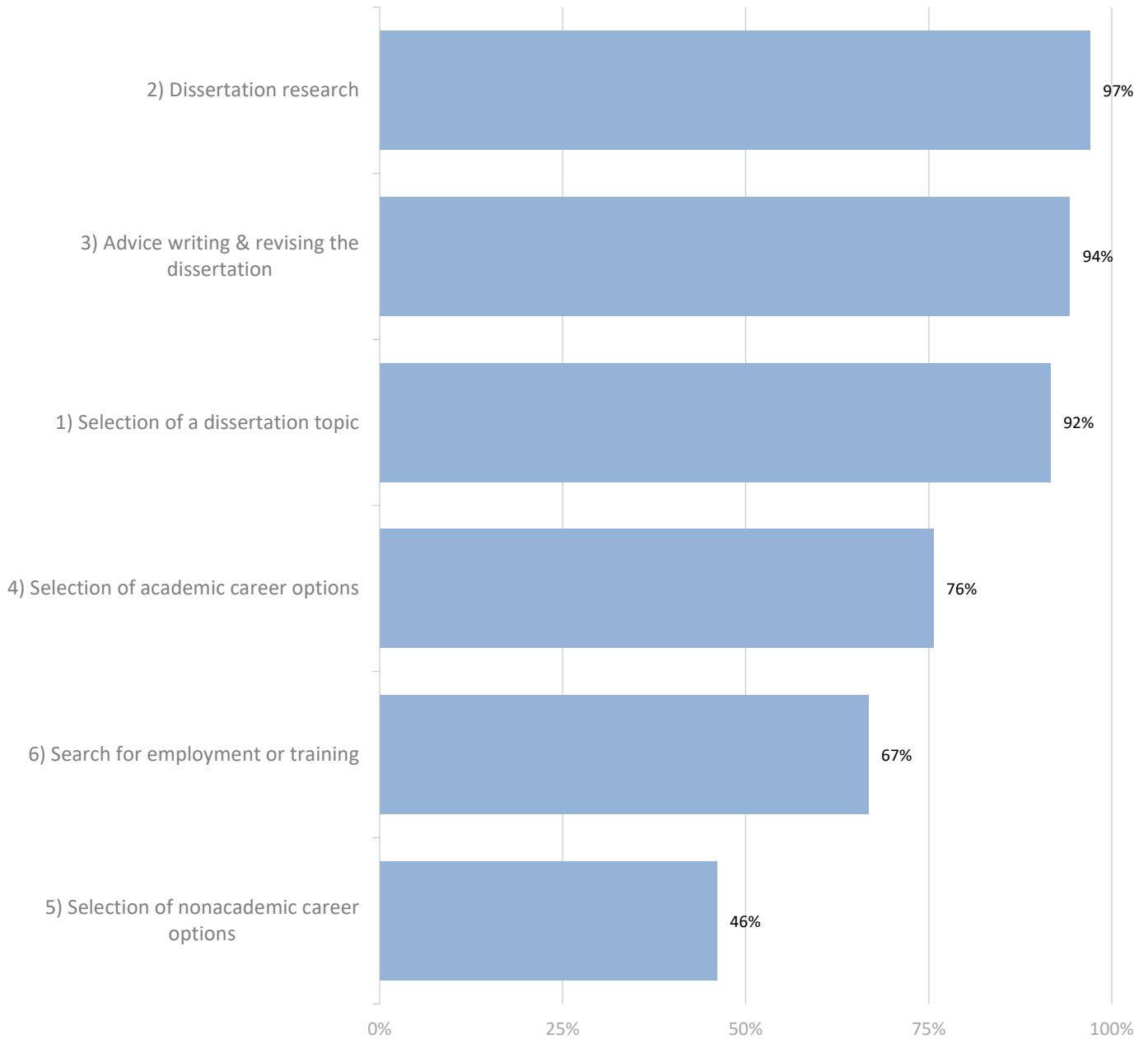


Figure 23: Types of support received from Dissertation Advisor:



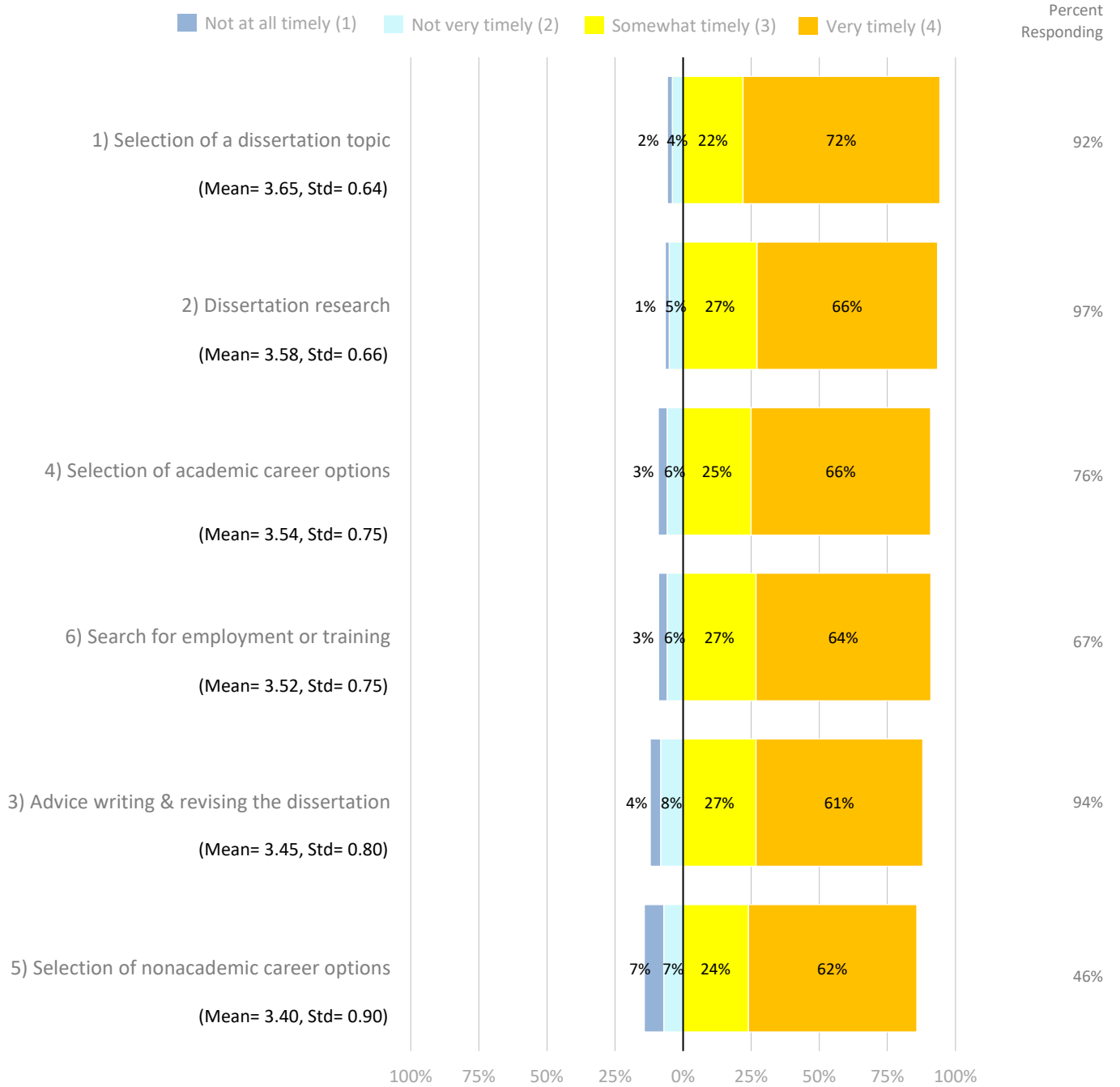
Responses: 436

*Question added in AY 2013-2014.

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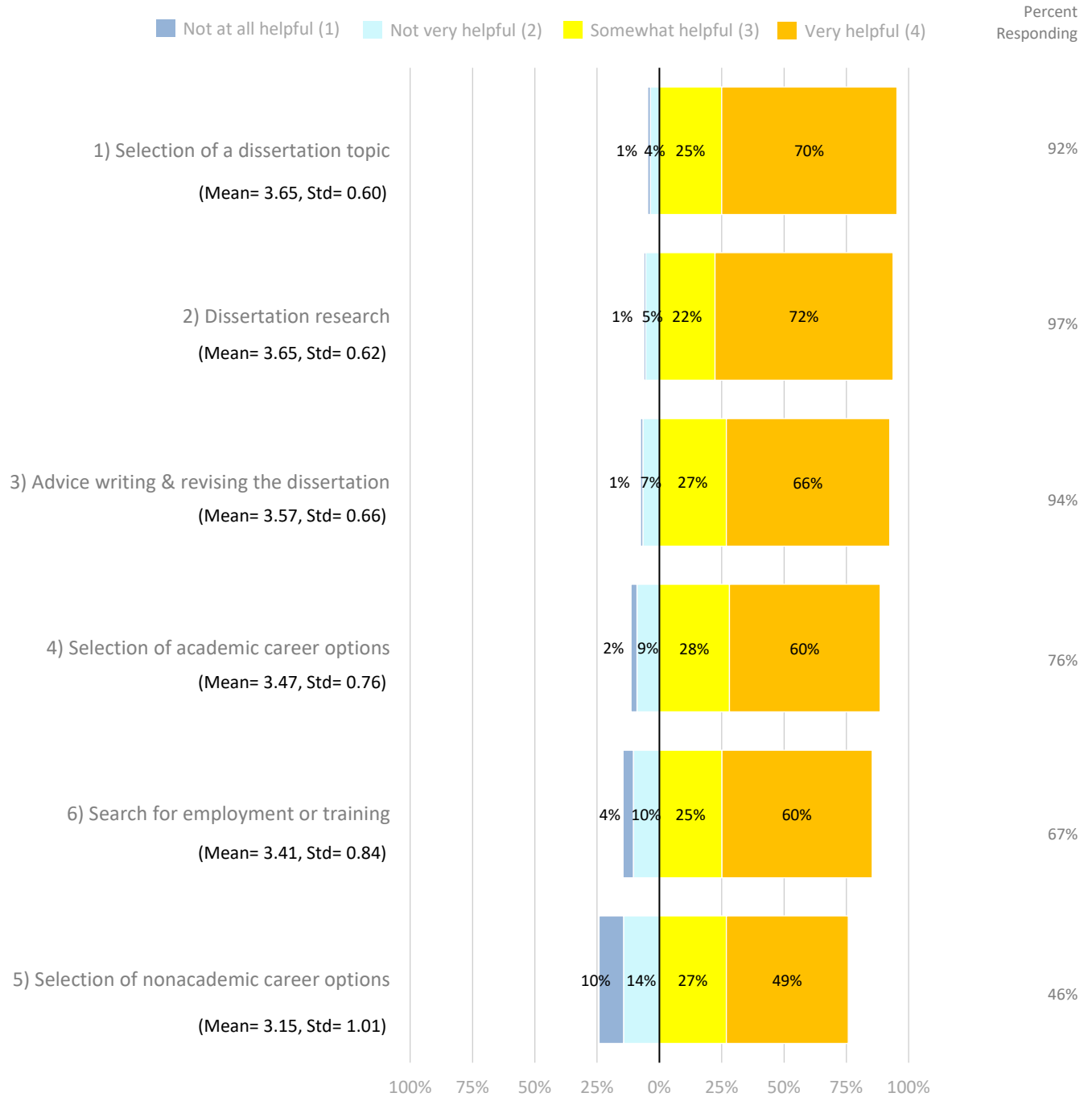
Figure 23a: TIMELINESS of assistance or support from Dissertation Advisor:



Average Responses per Item: 344

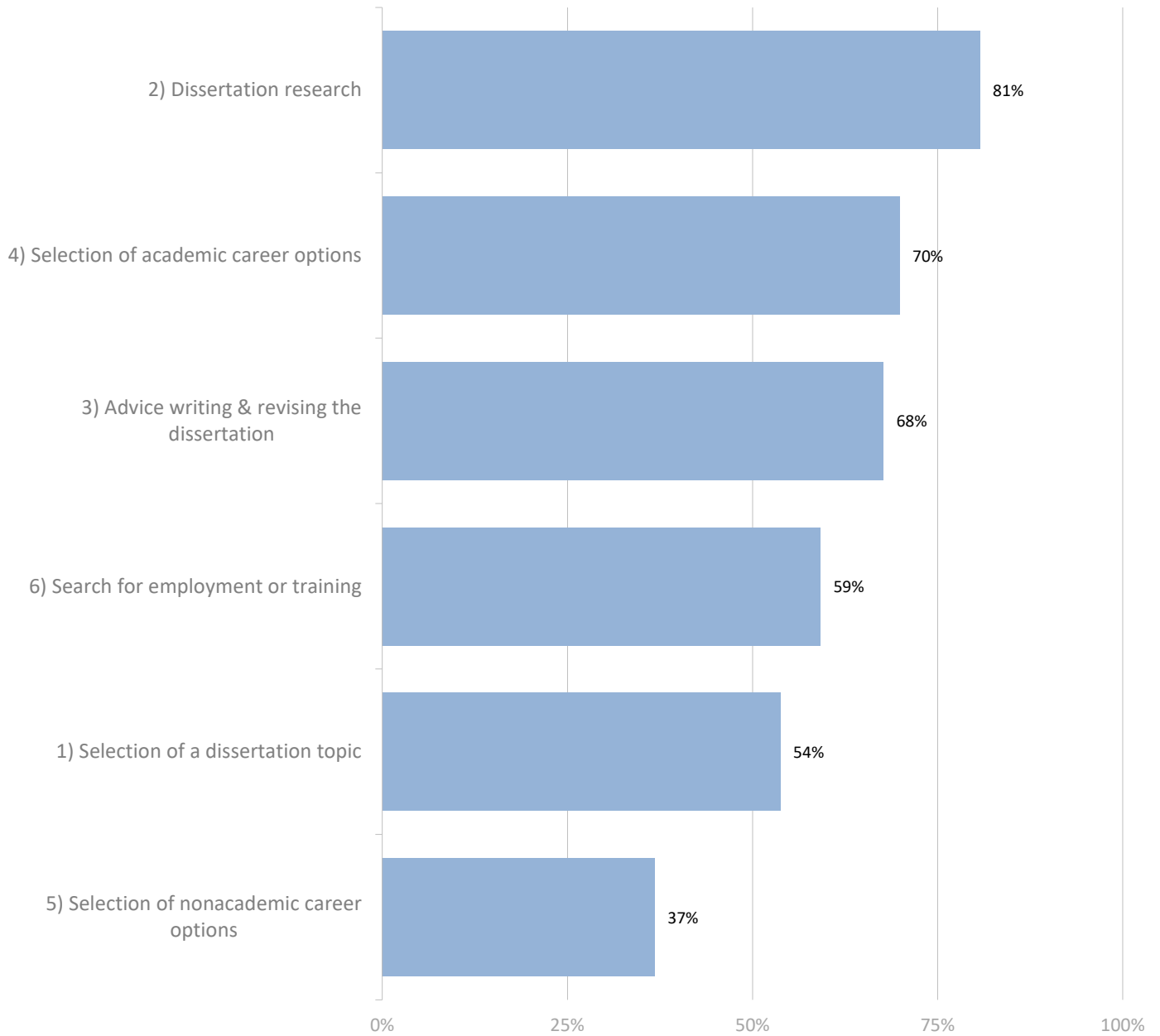
2017-18 Ph.D. Exit Survey: Faculty - Dissertation Advisor

Figure 23b: HELPFULNESS of assistance or support from Dissertation Advisor:



Average Responses per Item: 339

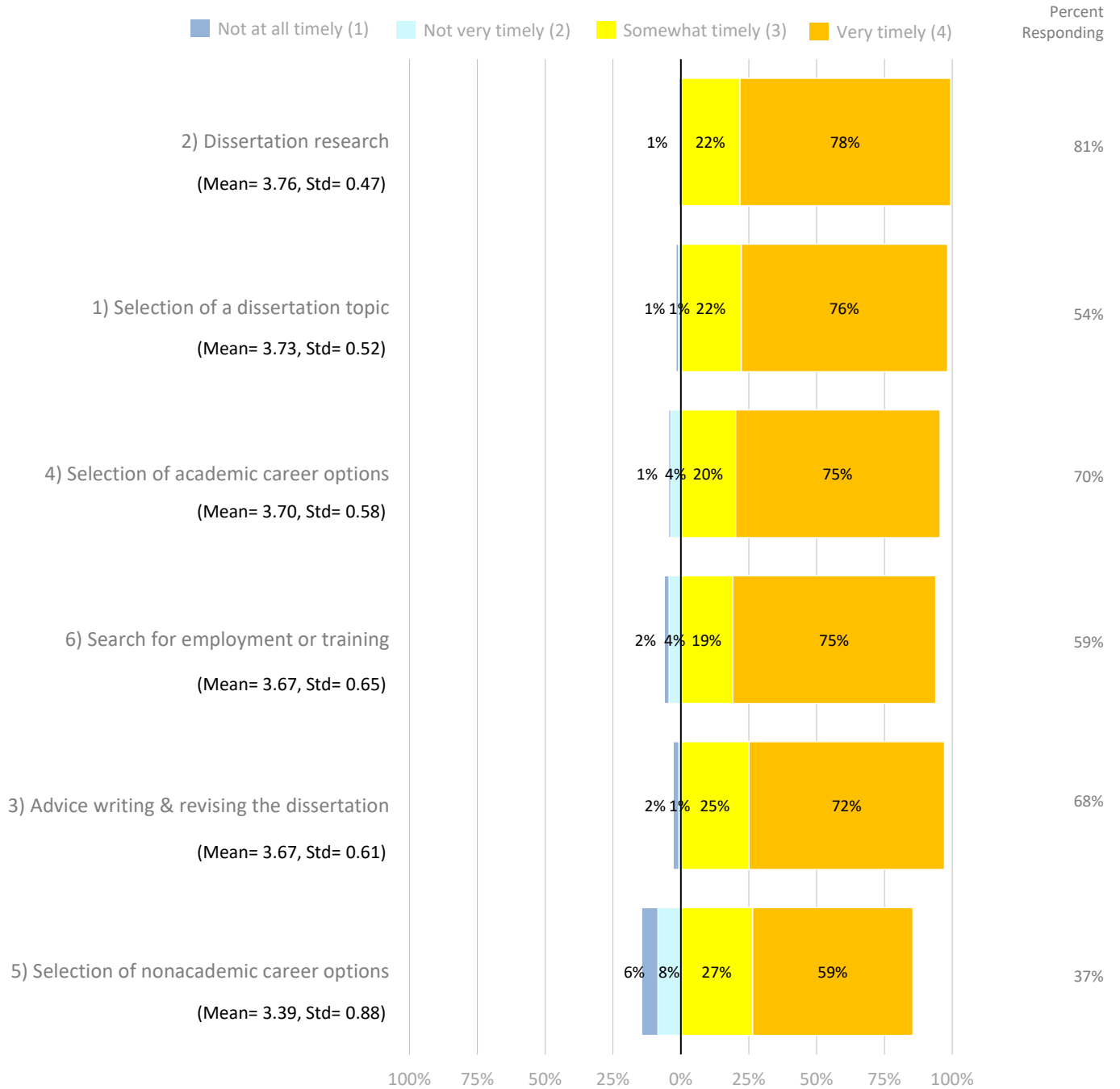
Figure 24: Types of support received from mentor WITHIN the Graduate Group:



Responses: 195

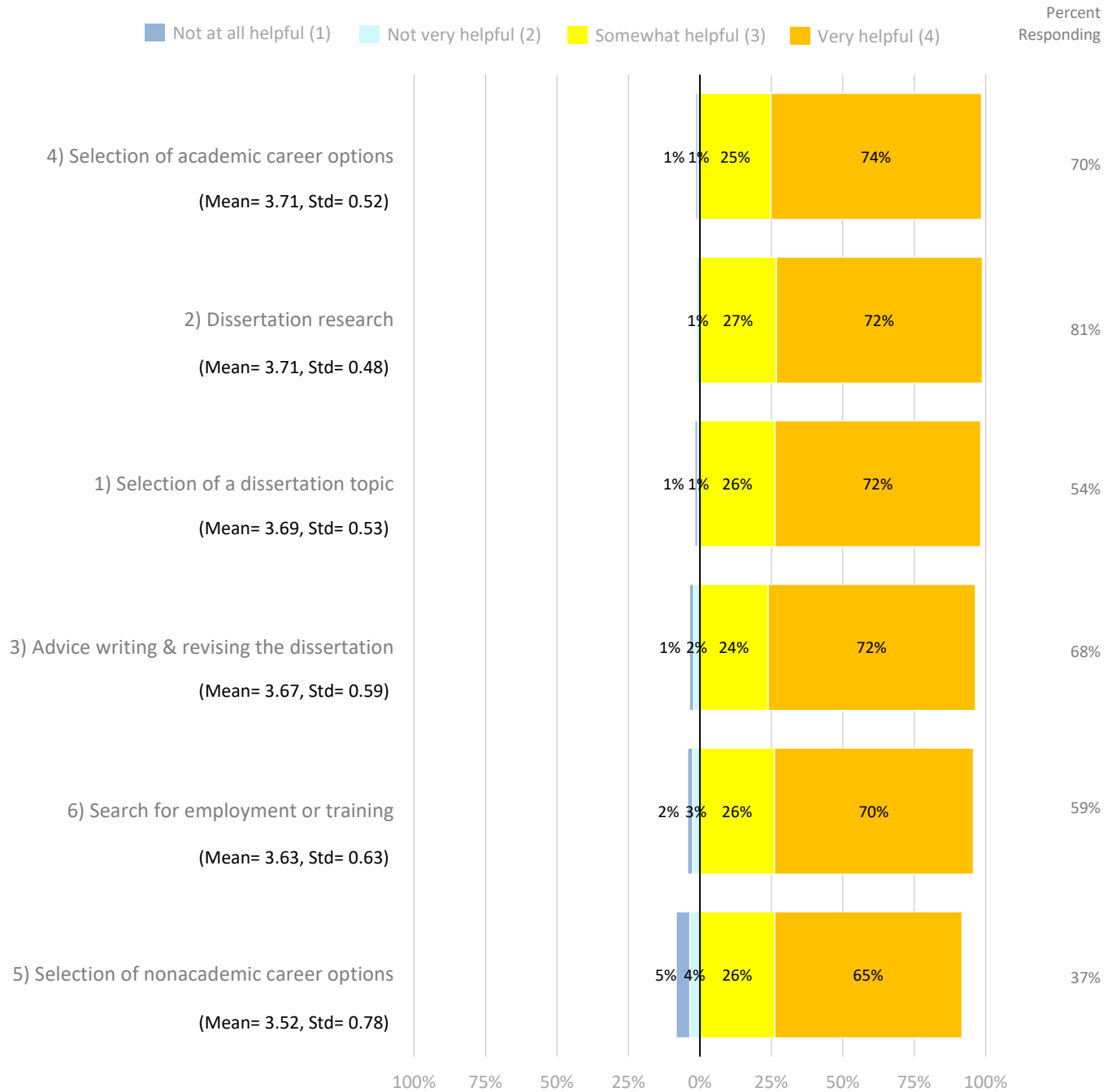
*Question added in AY 2013-2014.

Figure 24a: TIMELINESS of assistance or support from mentor WITHIN the Graduate Group:



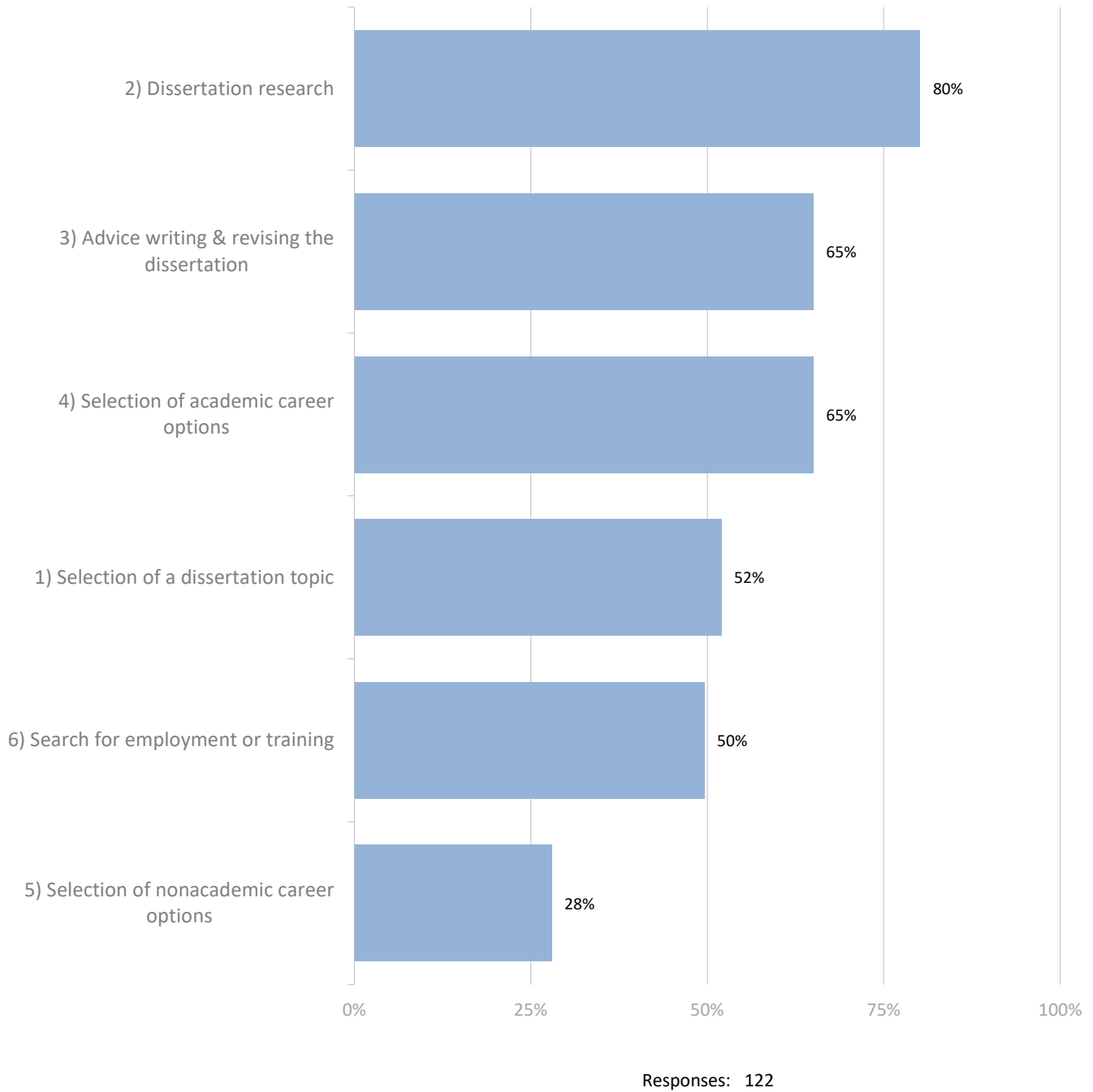
Average Responses per Item: 123

Figure 24b: HELPFULNESS of assistance or support from mentor WITHIN the Graduate Group:



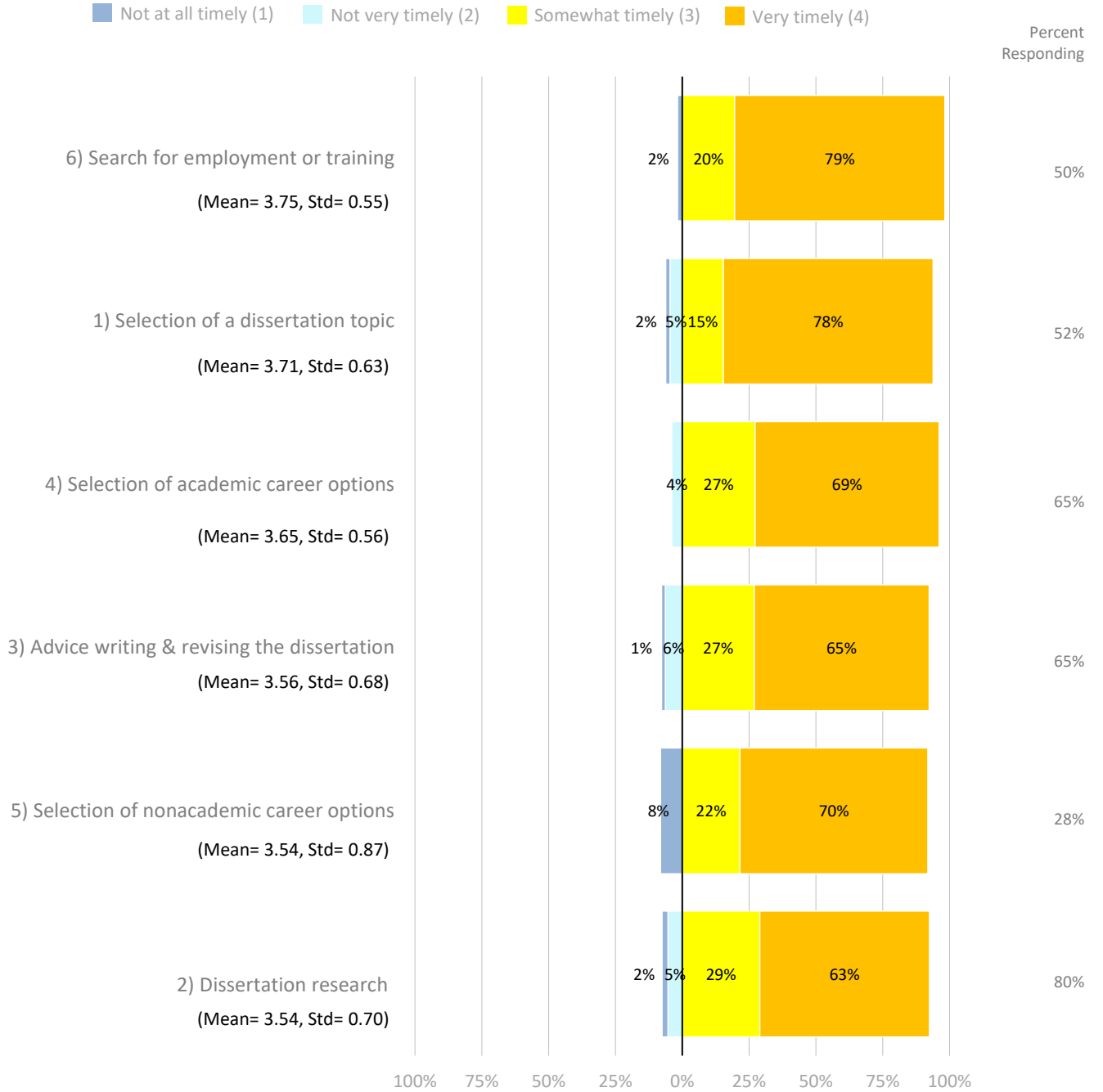
Average Group Responses per Item: 17

Figure 25: Types of support received from mentor OUTSIDE the Graduate Group:



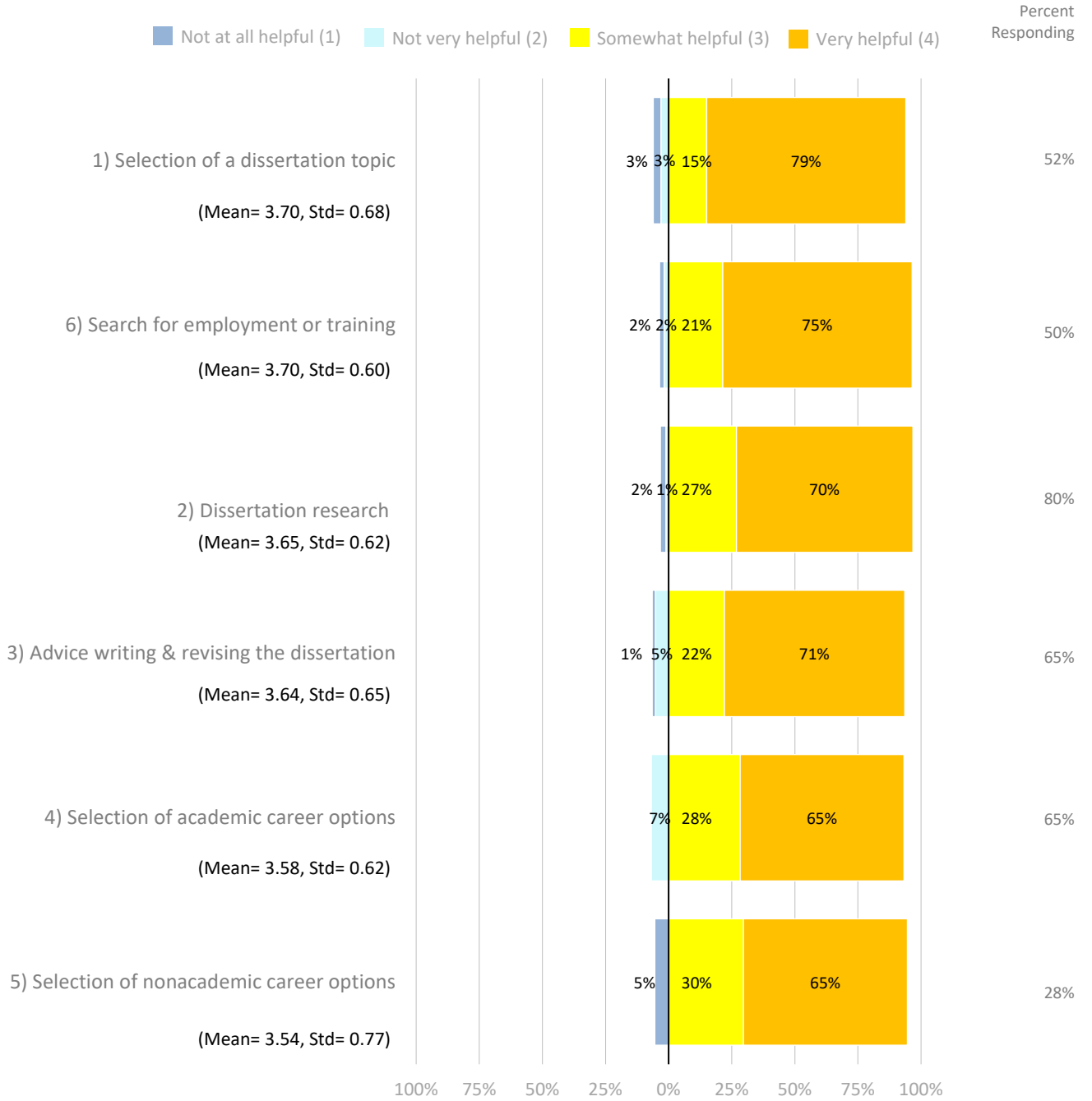
*Question added in AY 2013-2014.

Figure 25a: TIMELINESS of assistance or support from mentor OUTSIDE the Graduate Group:



Average Responses per Item: 68

Figure 25b: HELPFULNESS of assistance or support from mentor OUTSIDE the Graduate Group:



Average Responses per Item: 67

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Debt related to UNDERGRADUATE education:

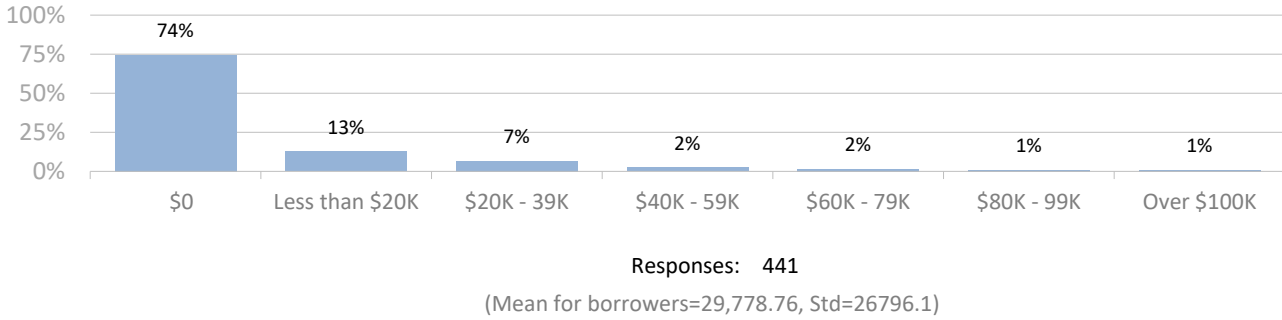


Figure 26: Amount borrowed to finance doctoral education:

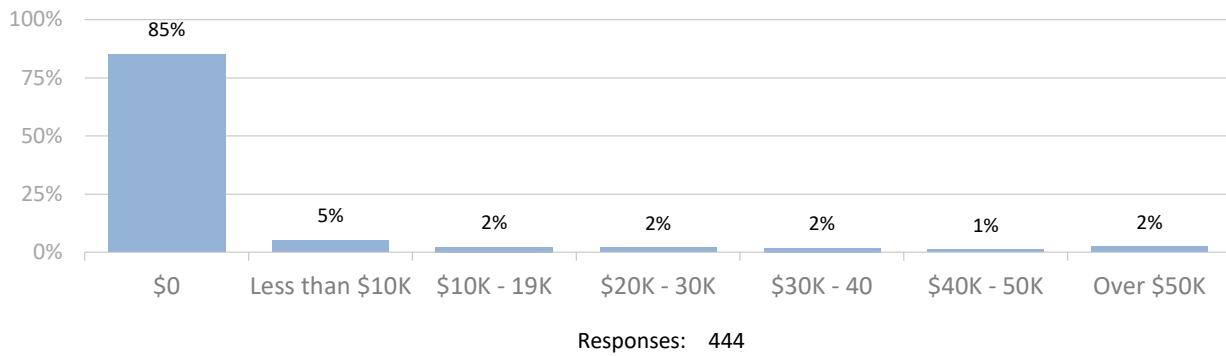
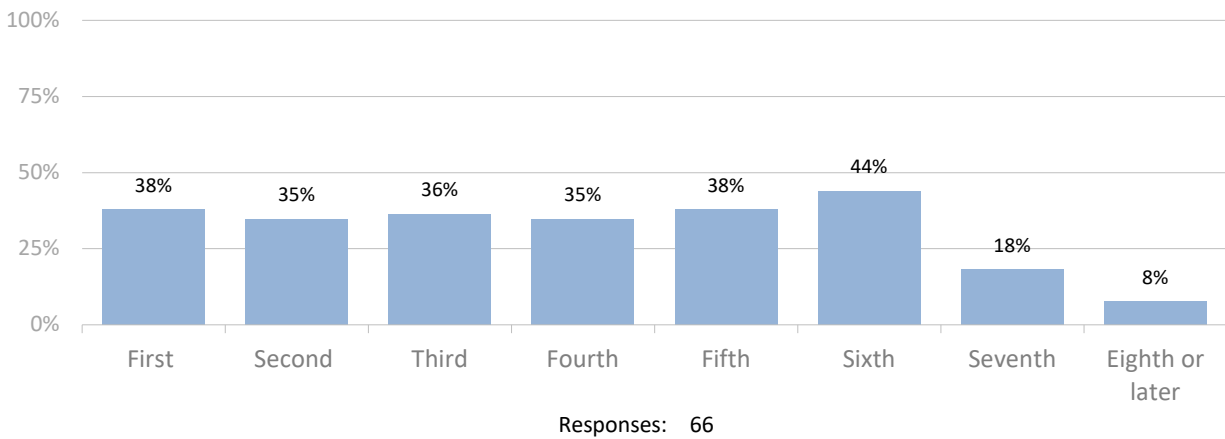
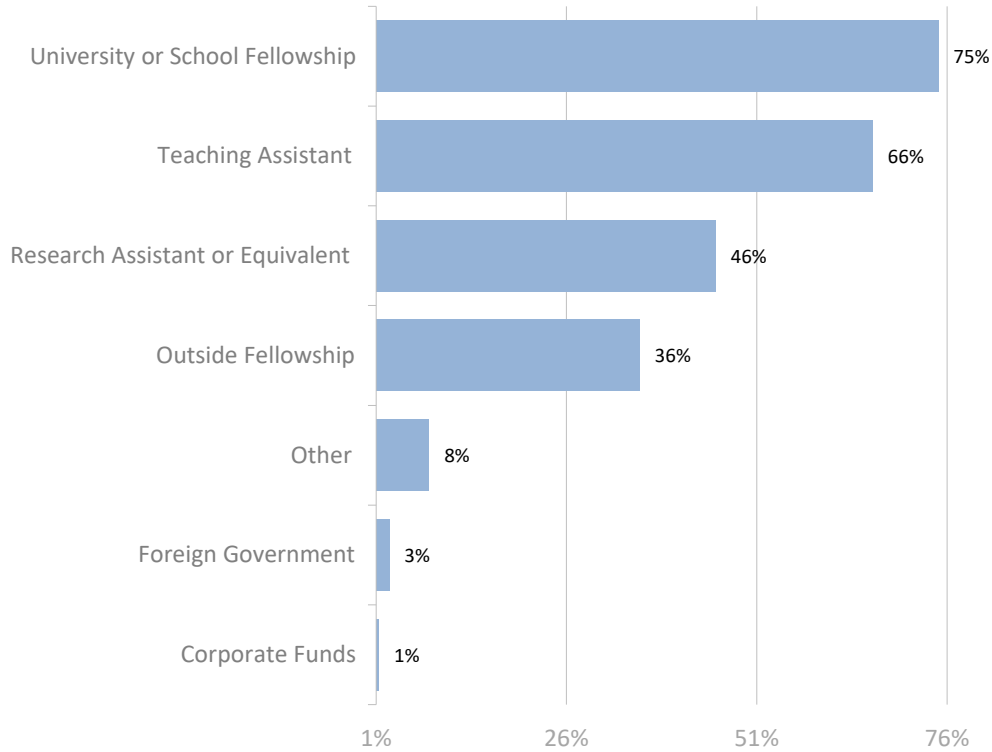


Figure 27: Borrowing by year of study (indicate all that apply):



*Question was phrased differently beginning in AY 2013-2014.

Figure 28: Respondents receiving financial support by category (indicate all that apply):



Financial Support Categories	Group			
	N ¹	%	Avg # of Yrs	Std Dev
University or School Fellowship	330	75%	3.95	2.087
Teaching Assistant	292	66%	2.37	1.192
Research Assistant or Equivalent	201	46%	3.32	1.691
Outside Fellowship	157	36%	2.72	1.367
Other	35	8%	2.74	2.063
Foreign Government	12	3%	2.75	1.422
Corporate Funds	6	1%	2.00	2.000

¹ Results shown only when N is greater than 3.

Figure 29: Familiarity with criteria used to allocate financial support:

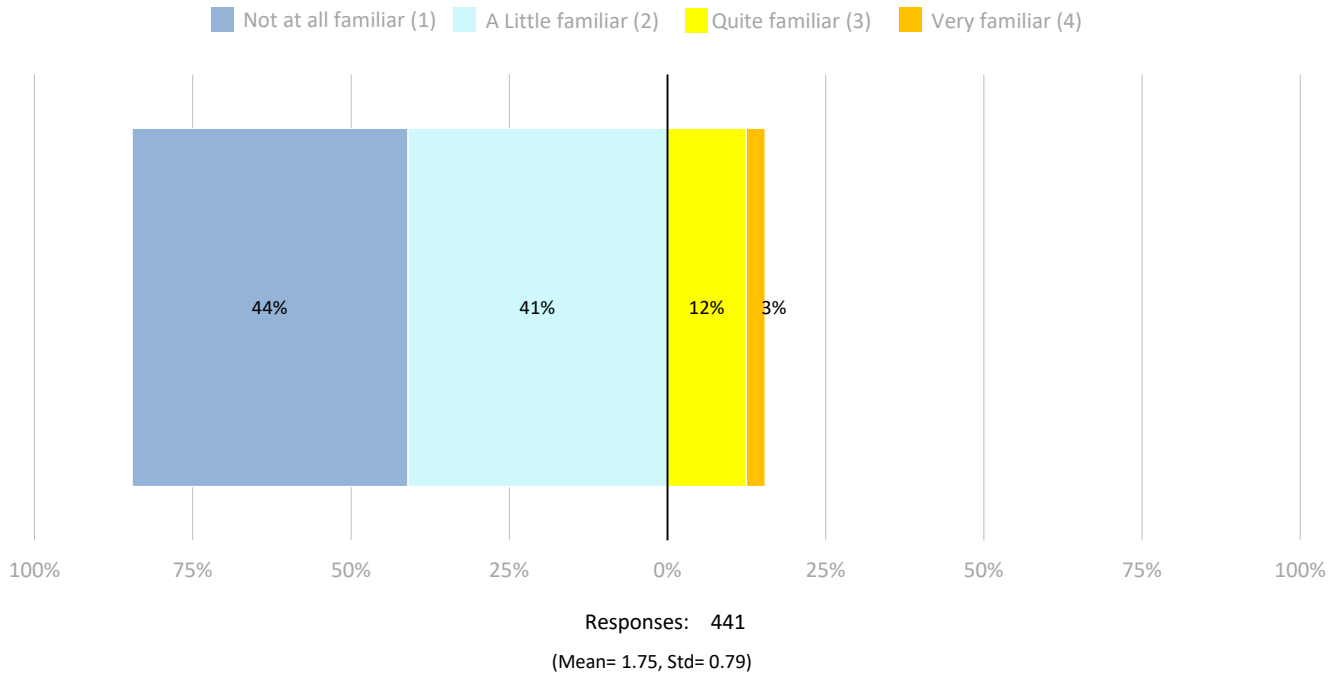


Figure 30: To the best of your knowledge, has financial support for students in your program been fairly allocated?

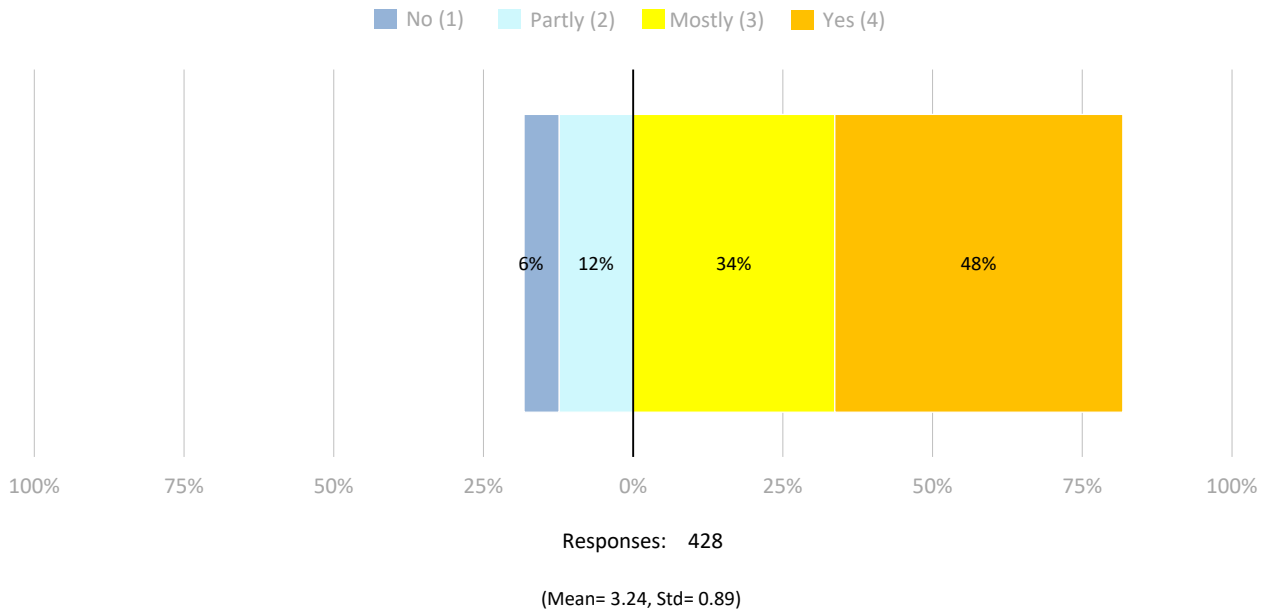


Figure 34: Attended activities and/or used services of the Graduate Student Center:

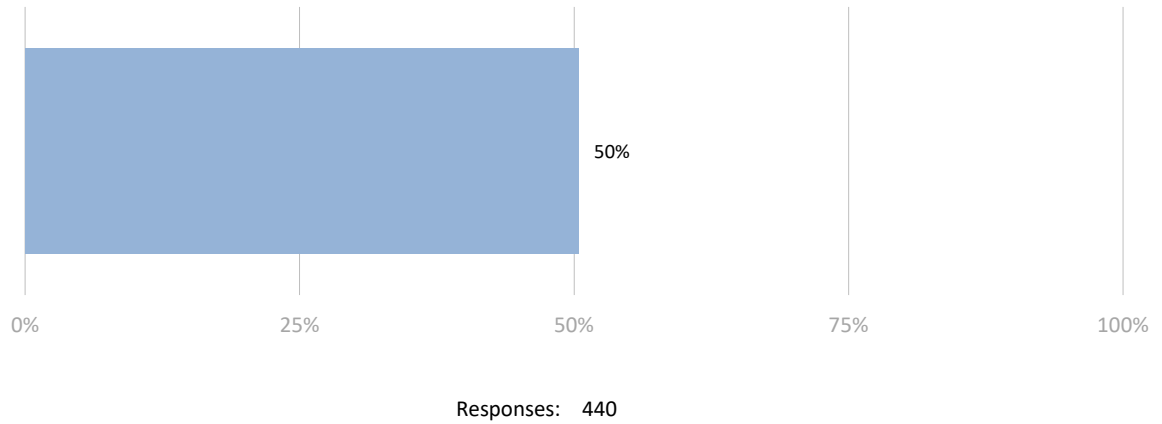
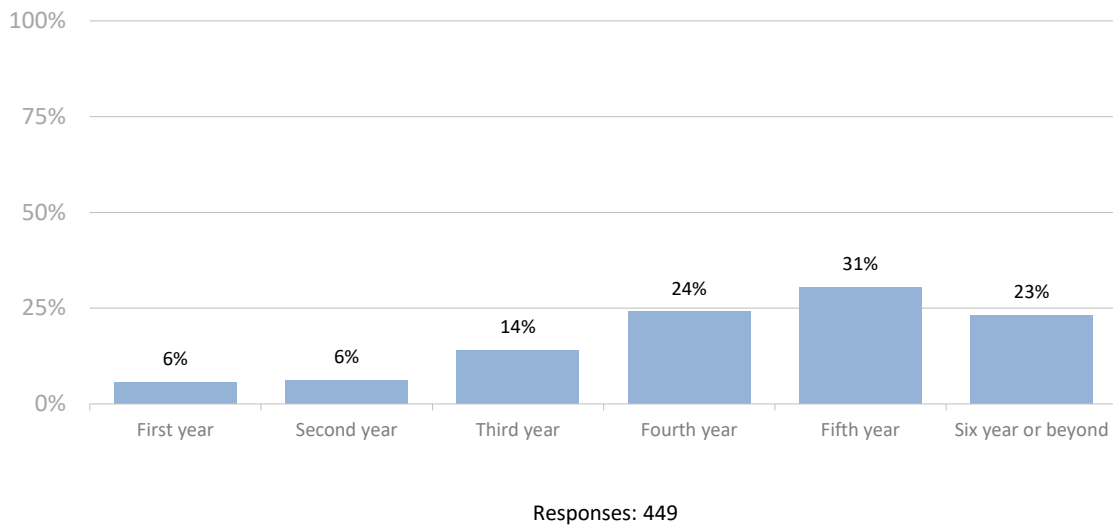


Figure 31: Career Services usage by year of study (indicate all that apply):



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Figure 32: Number of Career Services programs attended:

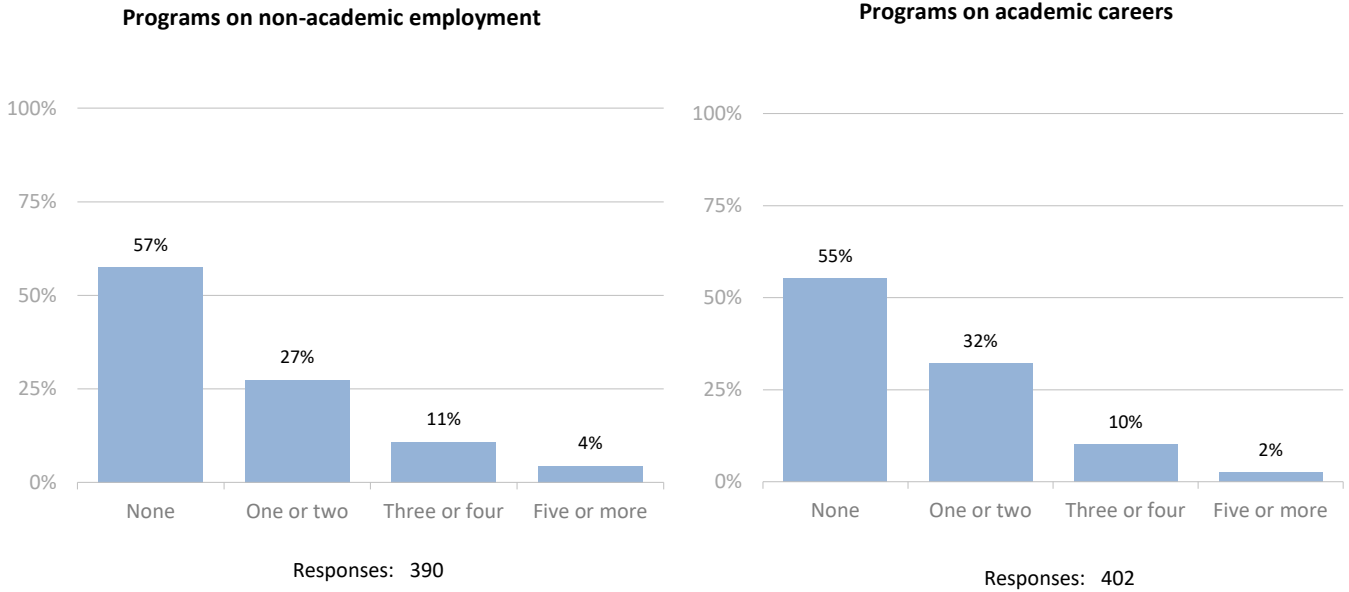


Figure 33: Frequency of use/attendance of Career Services offerings:

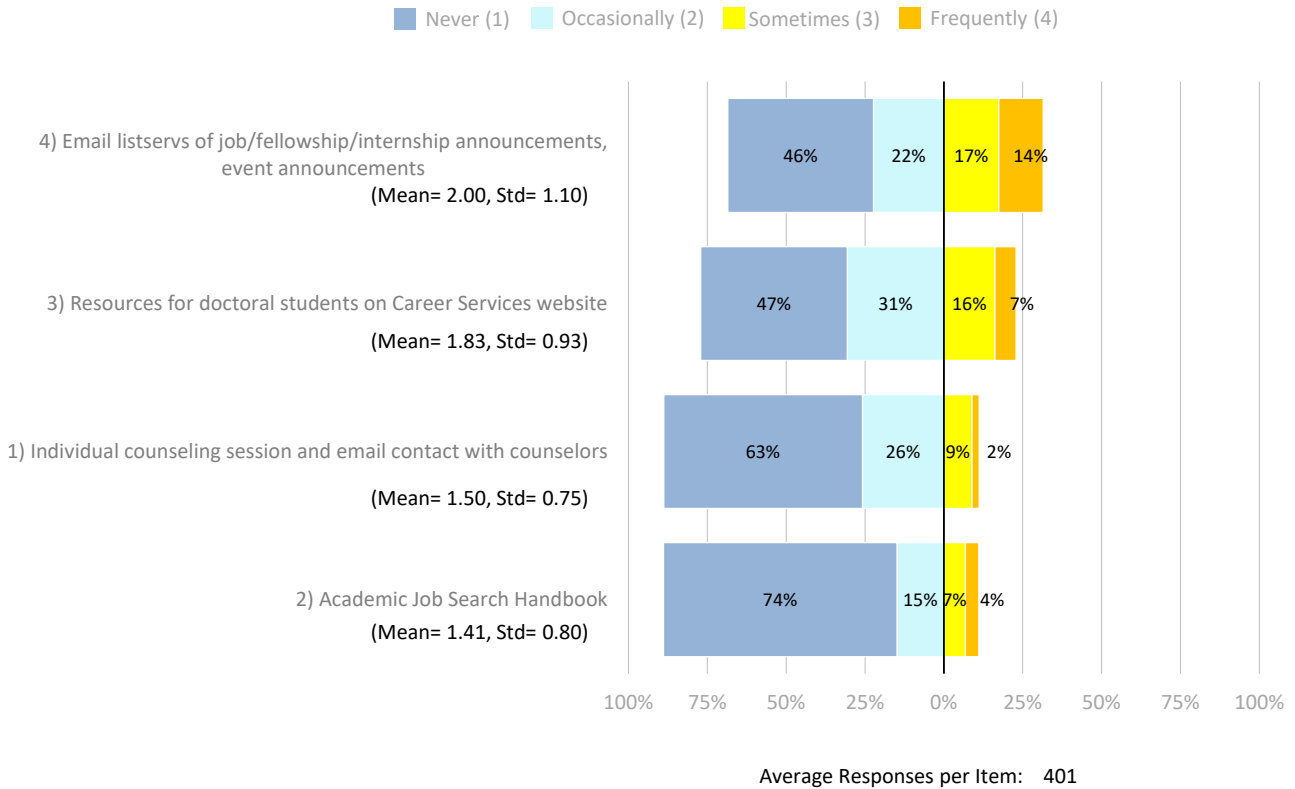
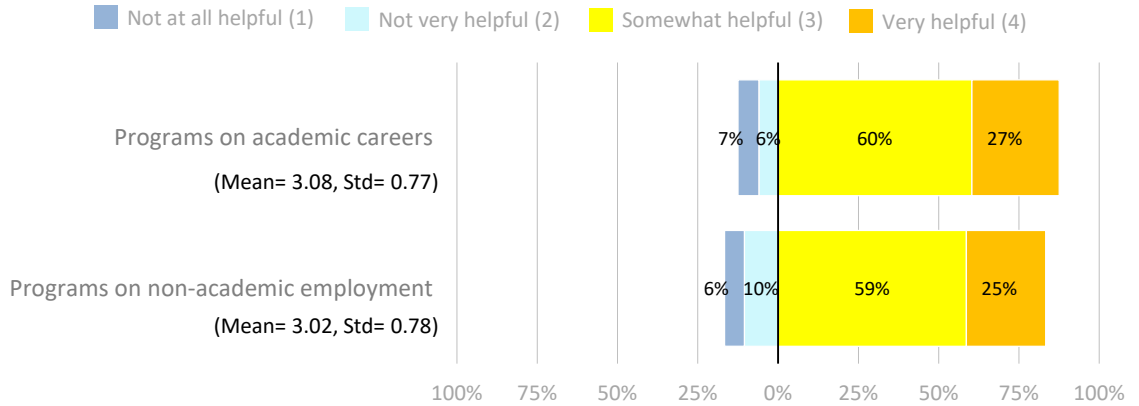
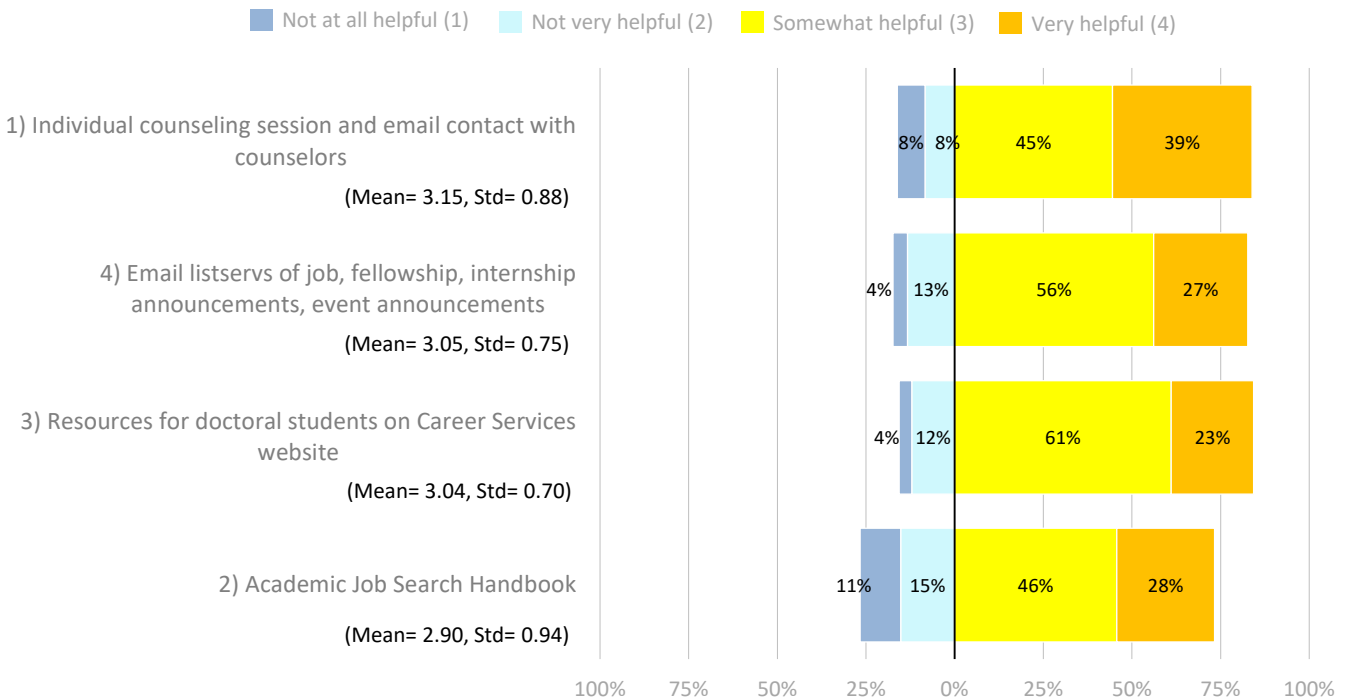


Figure 32a: HELPFULNESS of Career Services programs:



Average Responses per Item: 173

Figure 33a: HELPFULNESS of Career Services programs:



Average Responses per Item: 164

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Figure 35: Respondents presenting research in organized seminars, colloquia, or conferences sponsored by their Graduate Group:

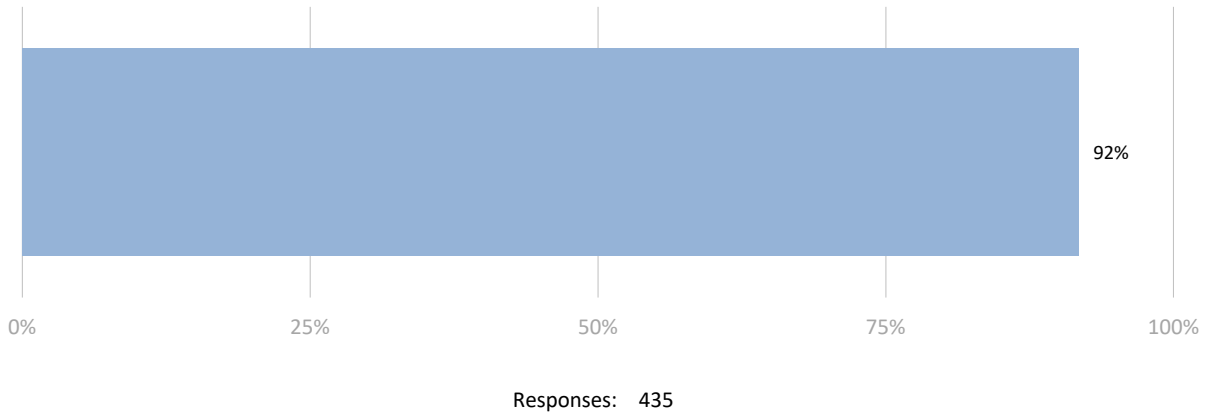
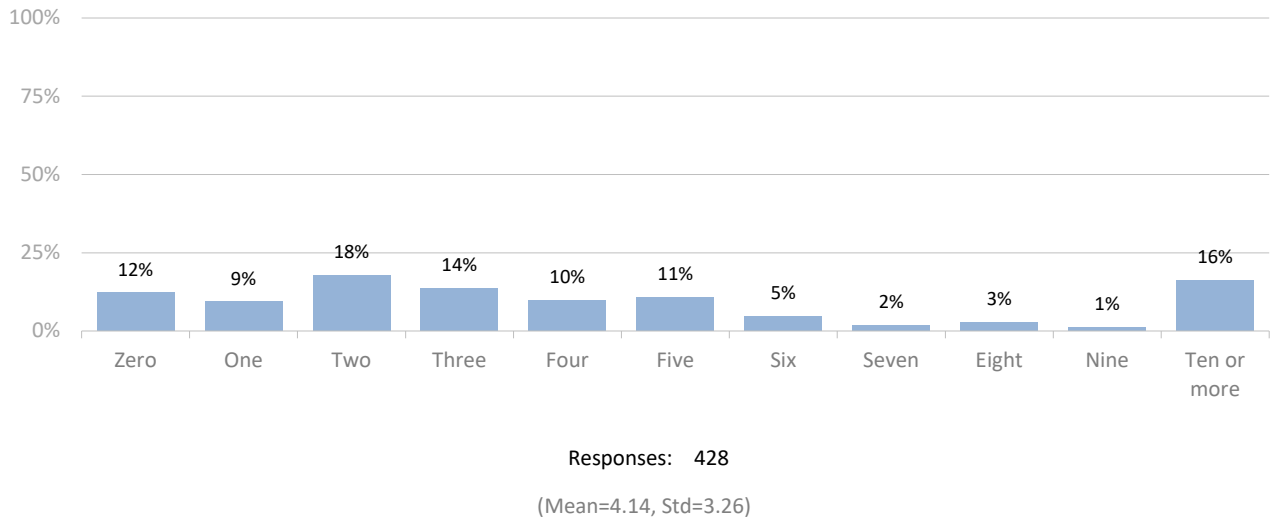


Figure 36: Number of research or scholarly presentations (including poster presentations) made ON CAMPUS during graduate studies (not including presentations given in class or in regularly-scheduled not-for-credit lab meetings):



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Figure 36a: Number of research or scholarly presentations (including poster presentations) made AWAY from campus (regional, national, or international):

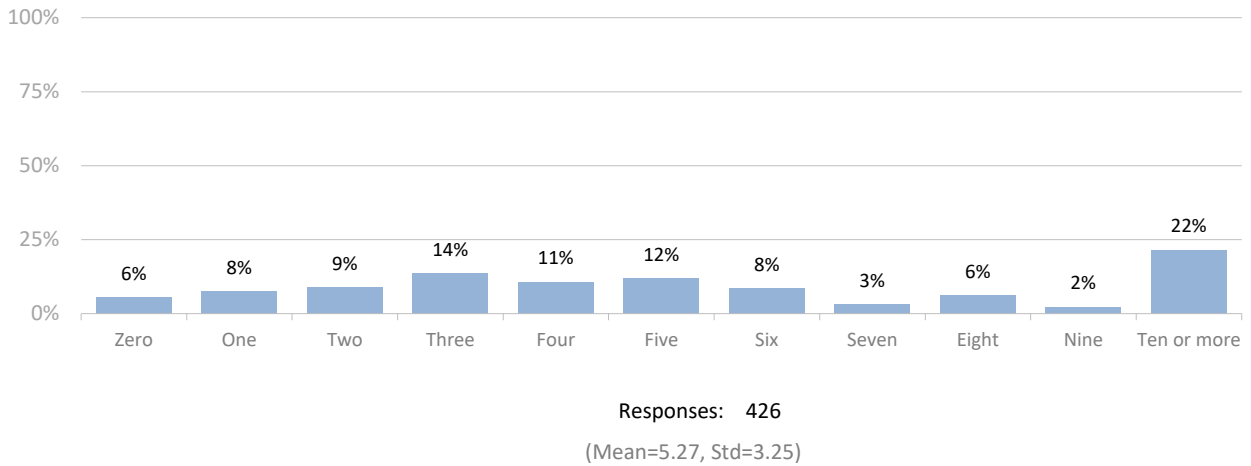
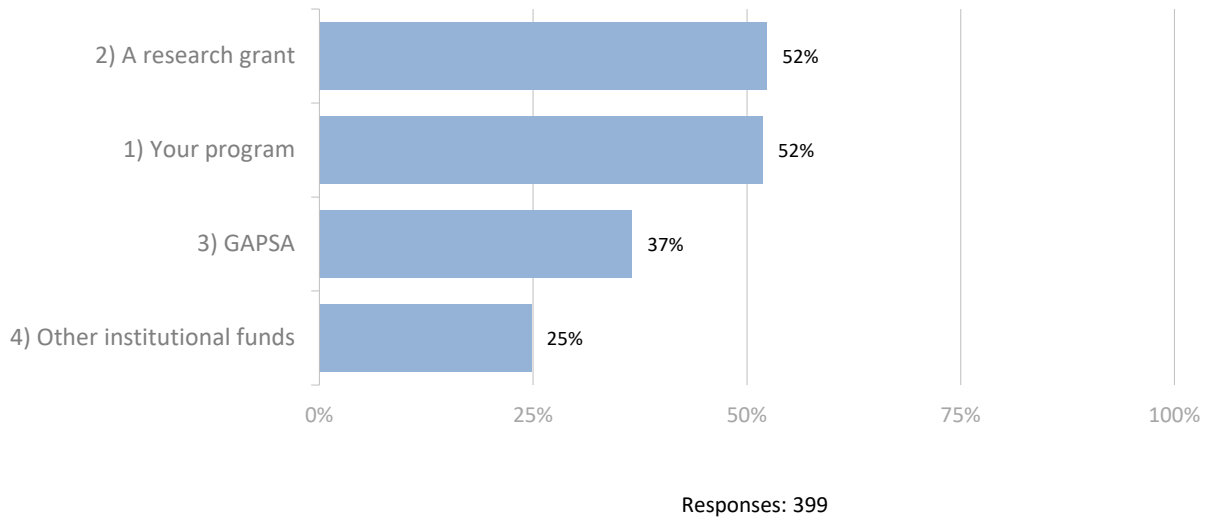


Figure 37: Among those making presentations AWAY from campus, percent receiving funds for travel by source (indicate all that apply):



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Figure 38: Based on research conducted while a doctoral student, number of scholarly articles, books, or book chapters authored or co-authored that have been published or accepted for publication:

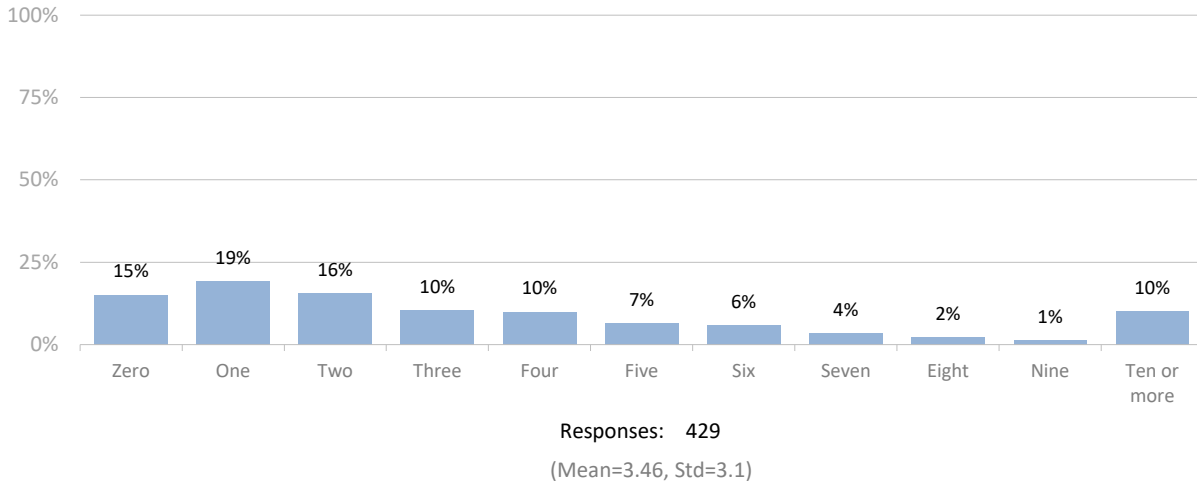


Figure 38a: Number of others currently under review:

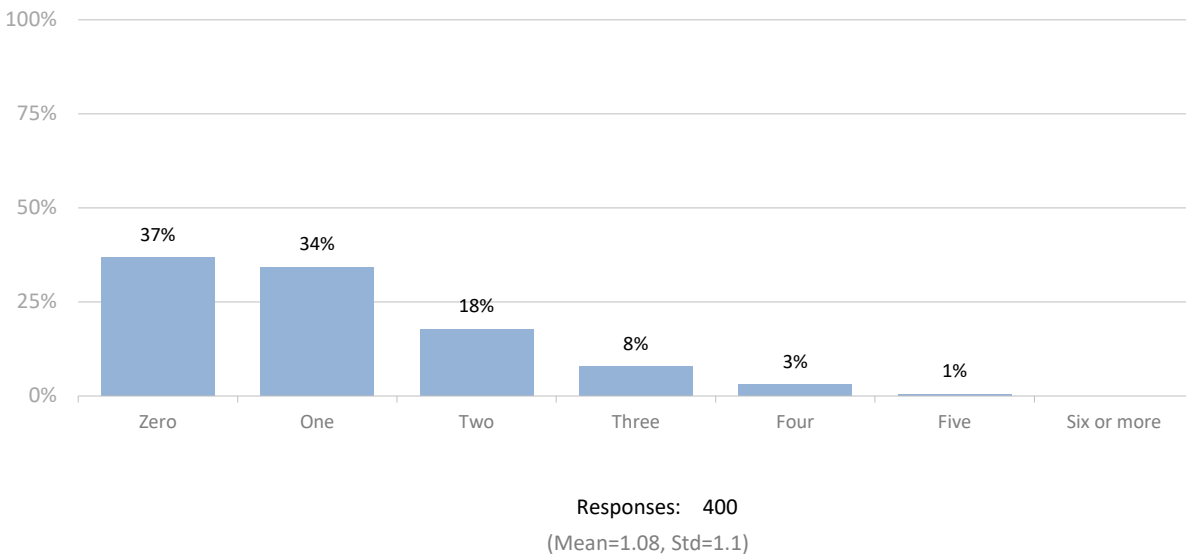
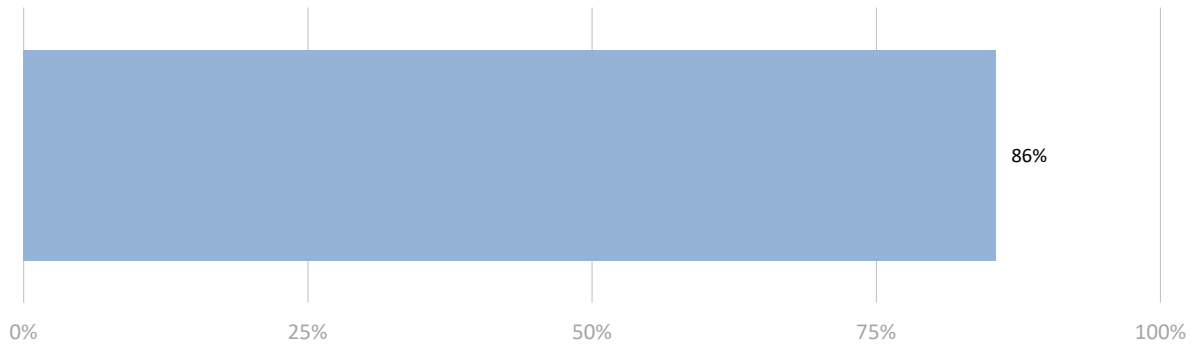
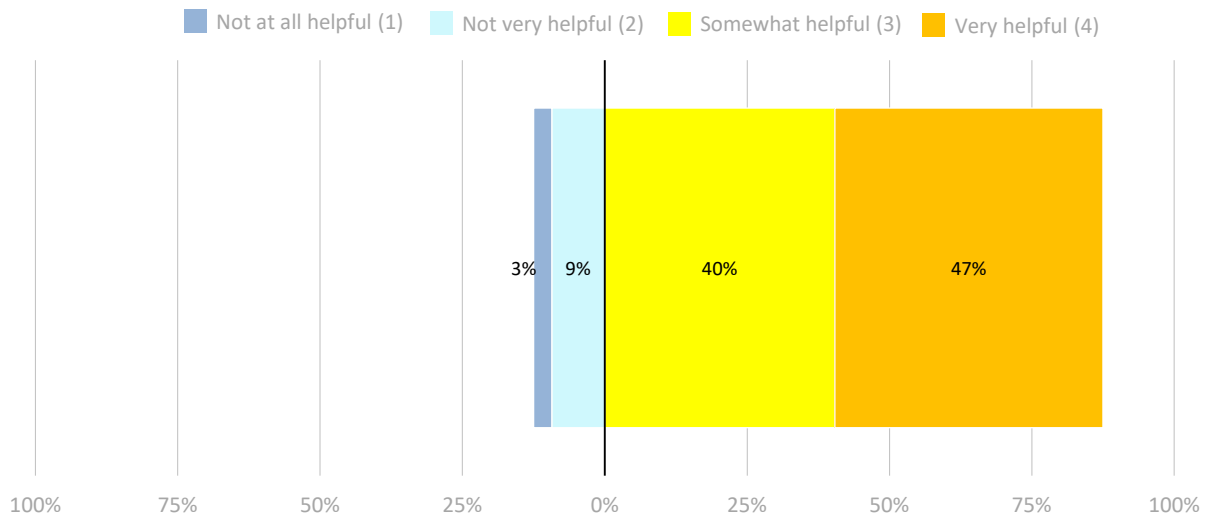


Figure 39: Respondents serving as a graduate Teaching Assistant (TA) at any point during doctoral studies:



Responses: 443

Figure 40: HELPFULNESS of being a Teaching Assistant (TA) with respect to professional development and training:



Responses: 376

(Mean= 3.31, Std= 0.77)

University of Pennsylvania

Figure 41: Number of semesters serving as a Teaching Assistant (TA):

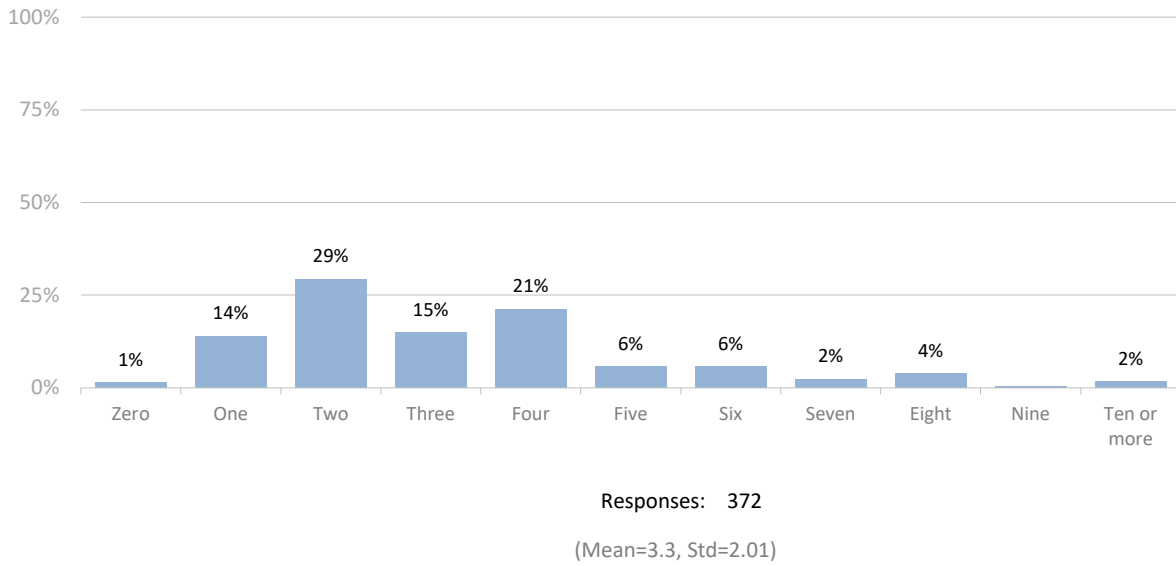
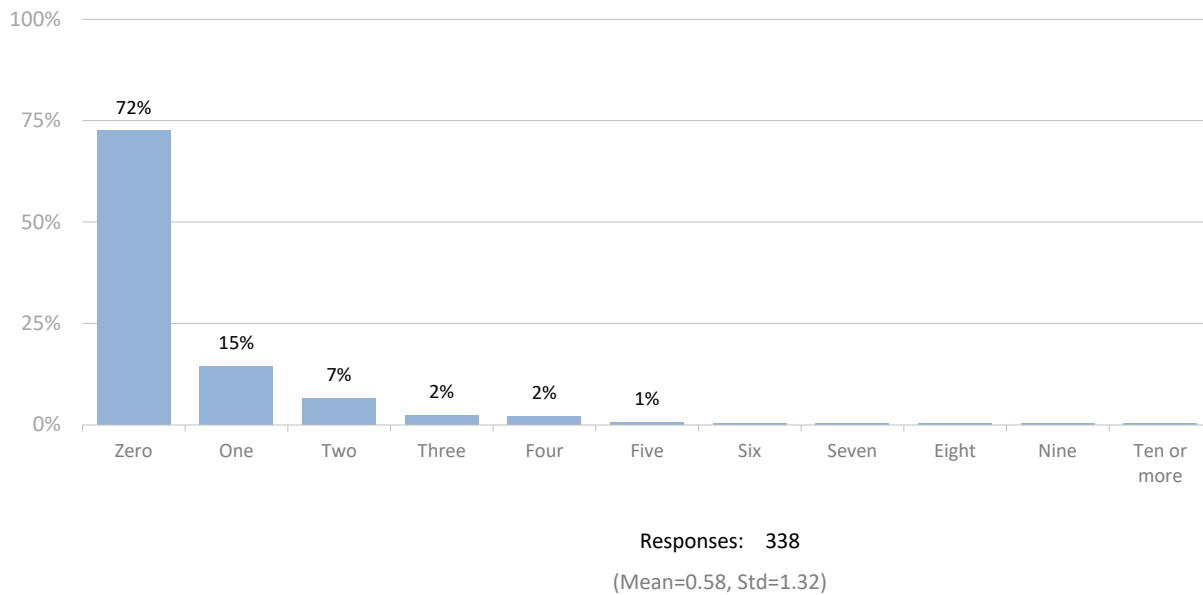


Figure 41a: Number of semesters teaching as a lecturer (with primary responsibility for the class):



University of Pennsylvania

Figure 42: Respondents who received teaching preparation or training as a Teaching Assistant (TA):

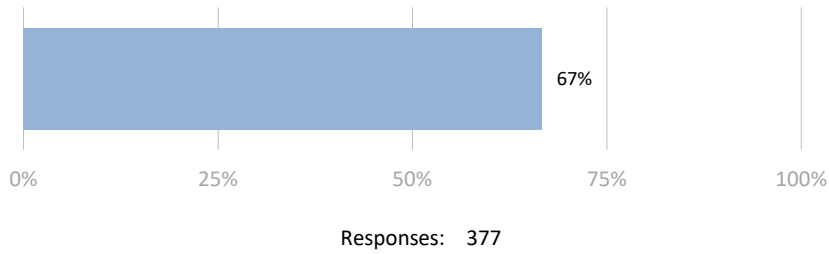


Figure 43: Types of teaching preparation or training (indicate all that apply):

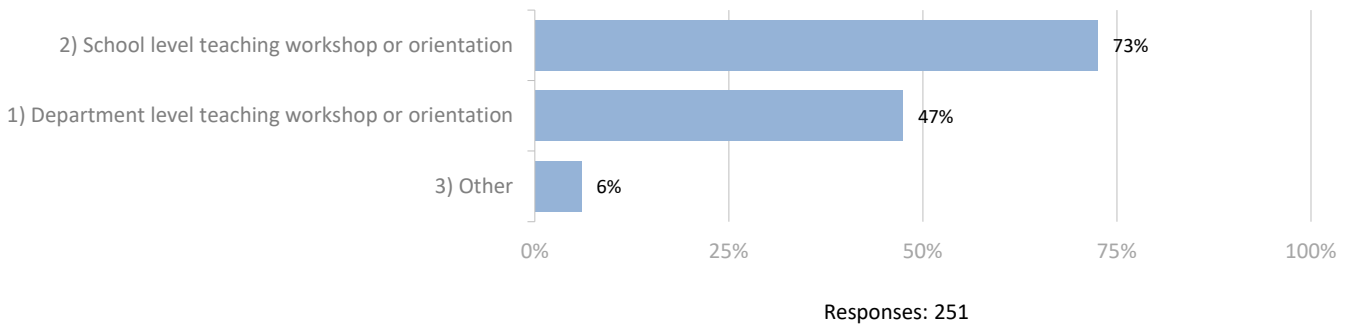


Figure 44: HELPFULNESS of teaching preparation or training:

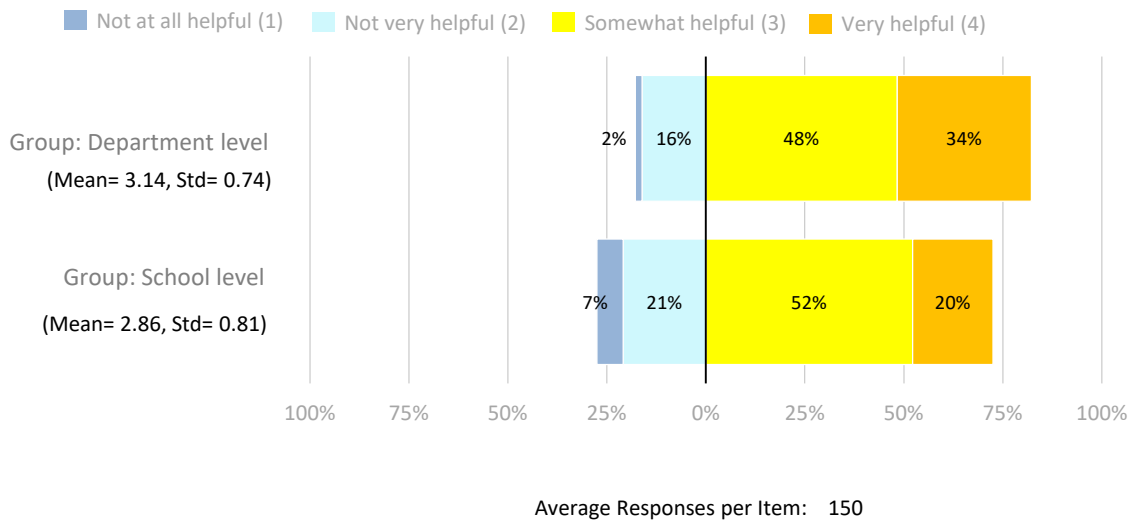
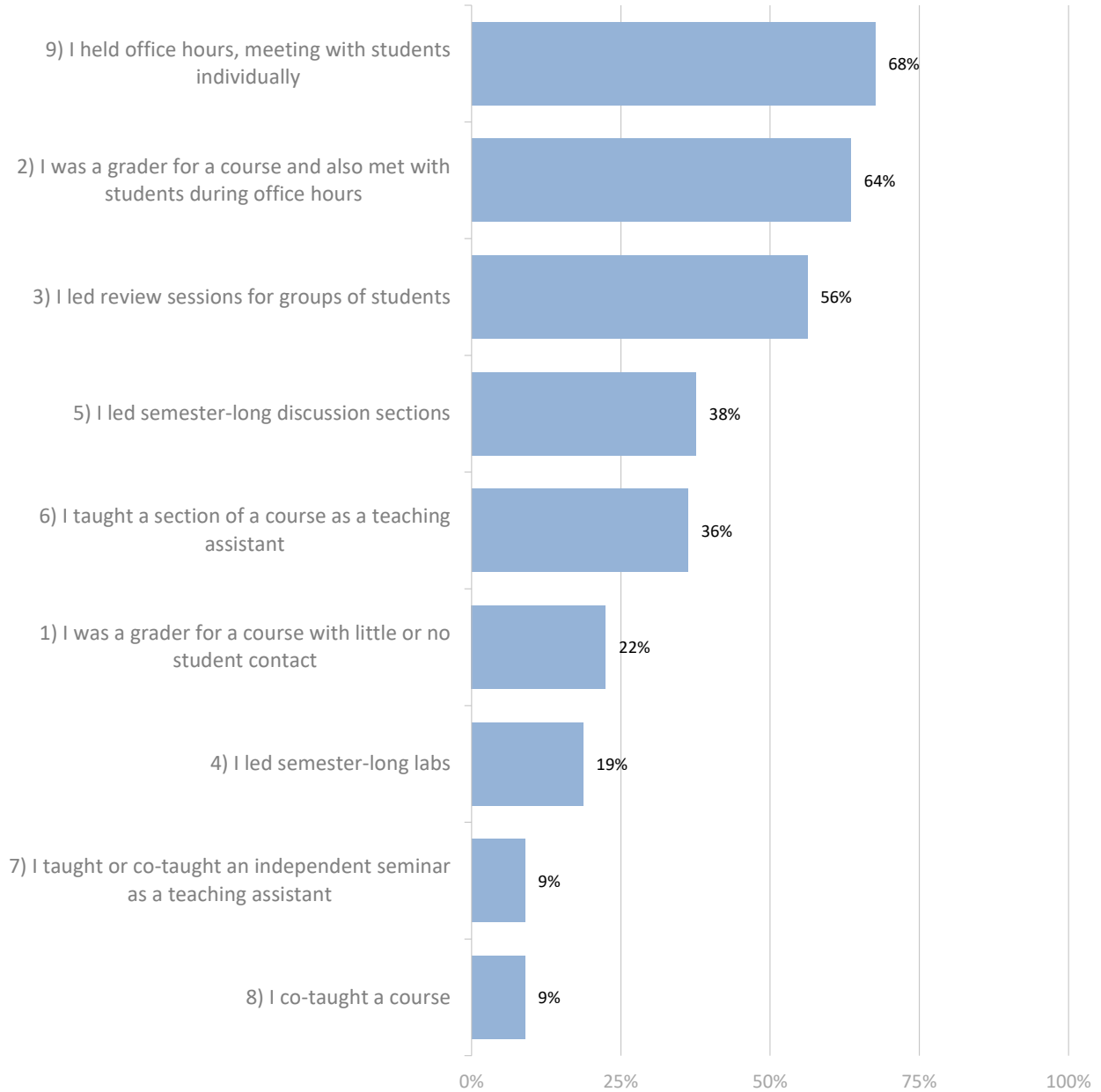


Figure 45: Teaching experiences while a doctoral student at Penn (indicate all that apply):



Responses: 449

University of Pennsylvania

Figure 46: Respondents serving as a Research Assistant (RA) during doctoral studies:

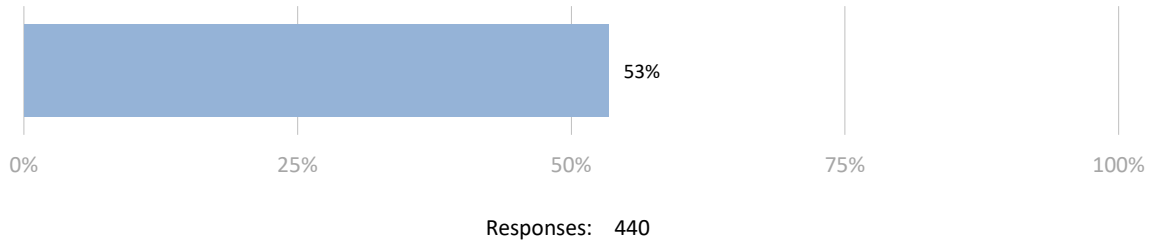


Figure 47: HELPFULNESS of being a Research Assistant (RA) with respect to professional development and training:

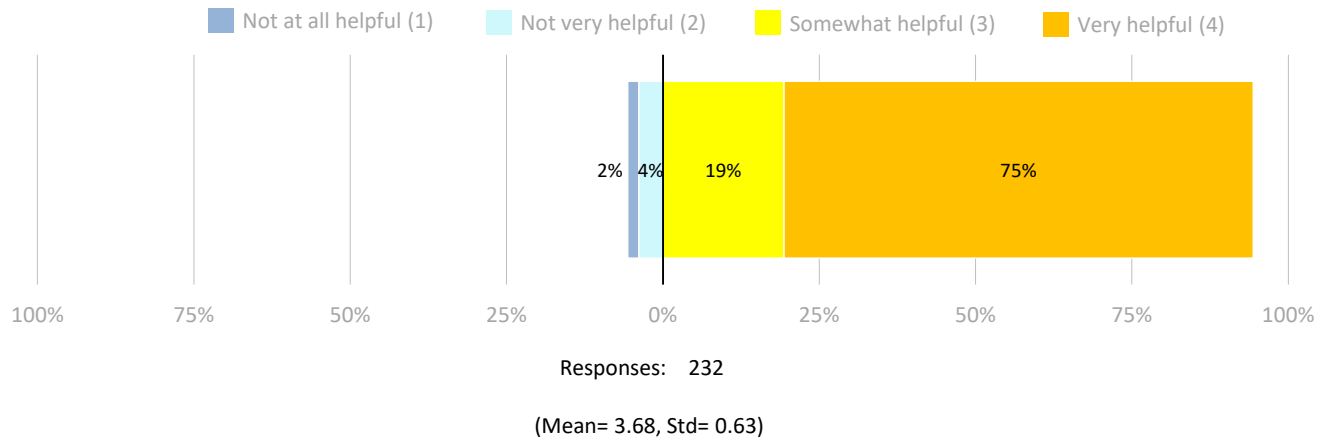


Figure 48: Number of semesters serving as a Research Assistant (RA):

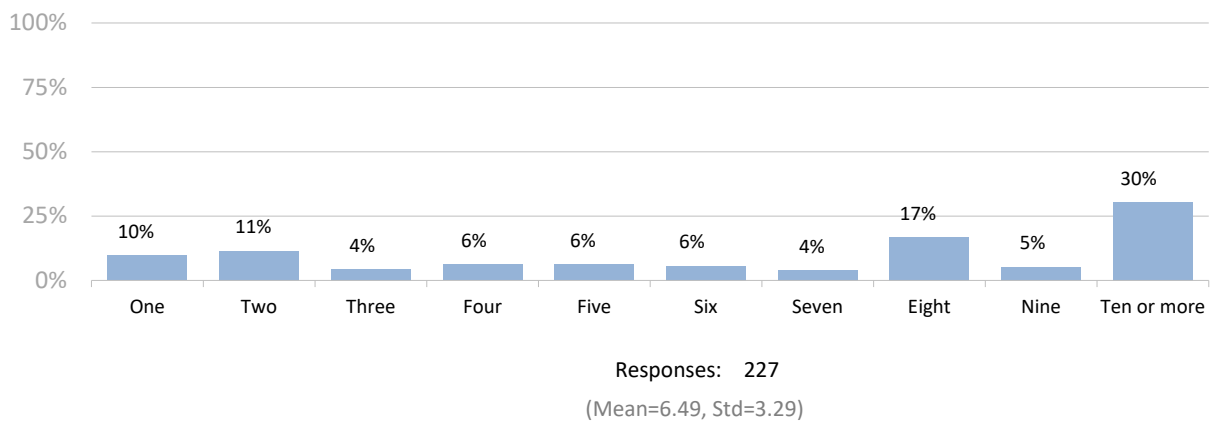


Figure 49: Immediate professional plans:

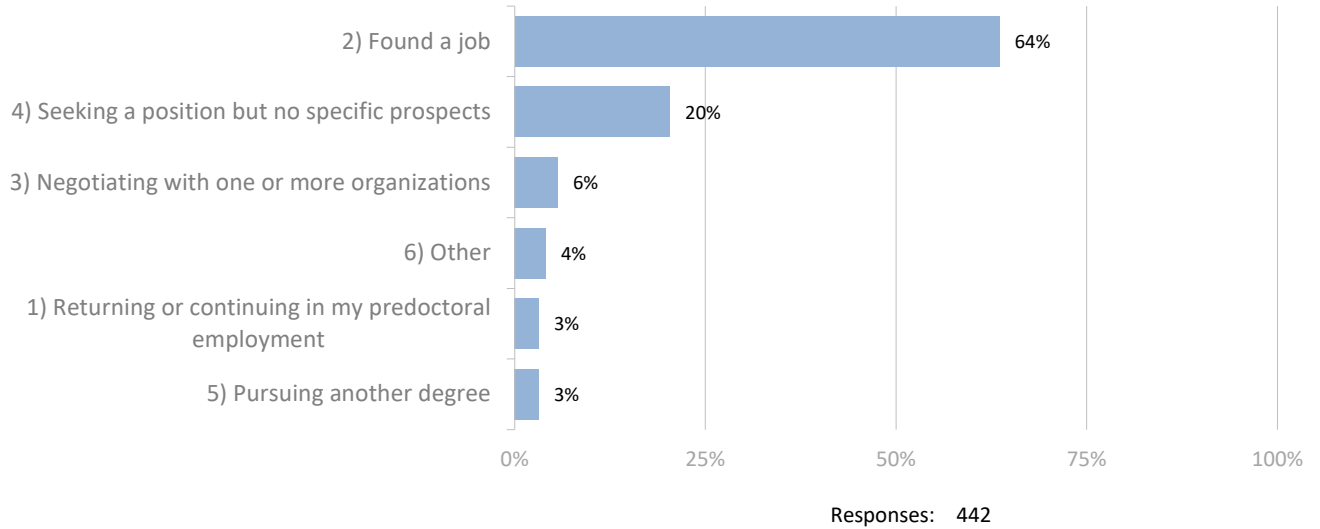
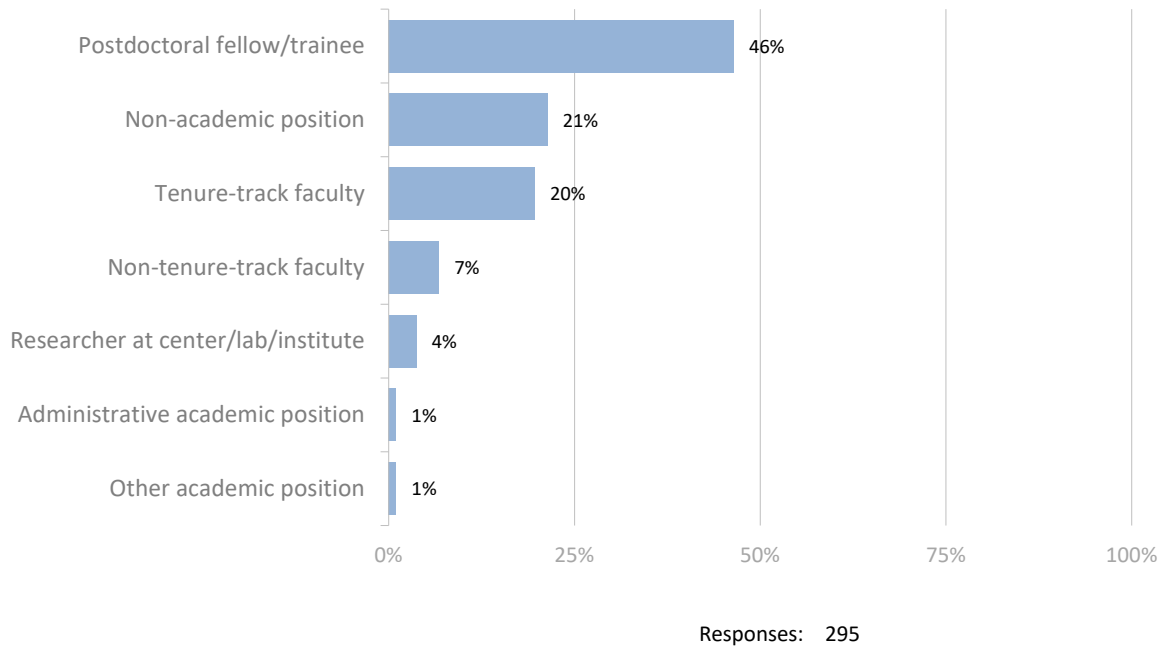


Figure 50: Best description of OBTAINED position:



University of Pennsylvania

Figure Figure 51: Among OBTAINED positions, percent of obtained positions in field of academic training:

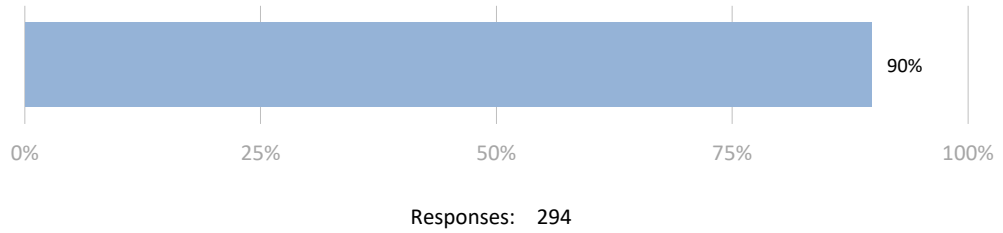


Figure 52: Position consistent with long-term professional goals:

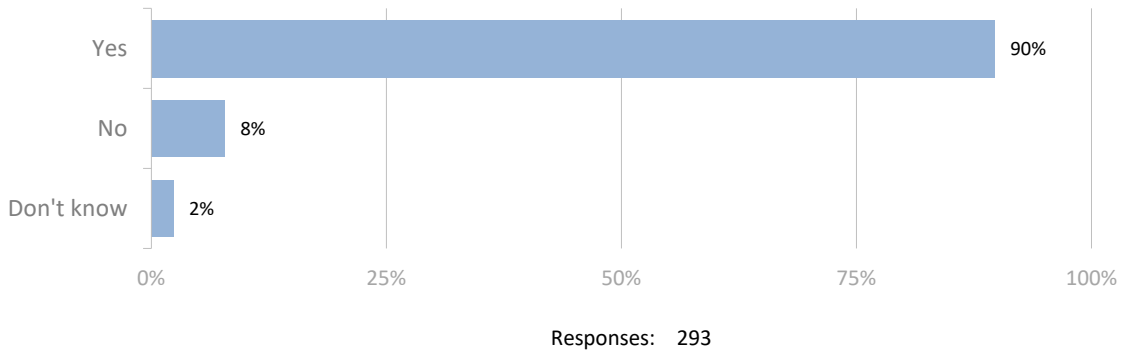
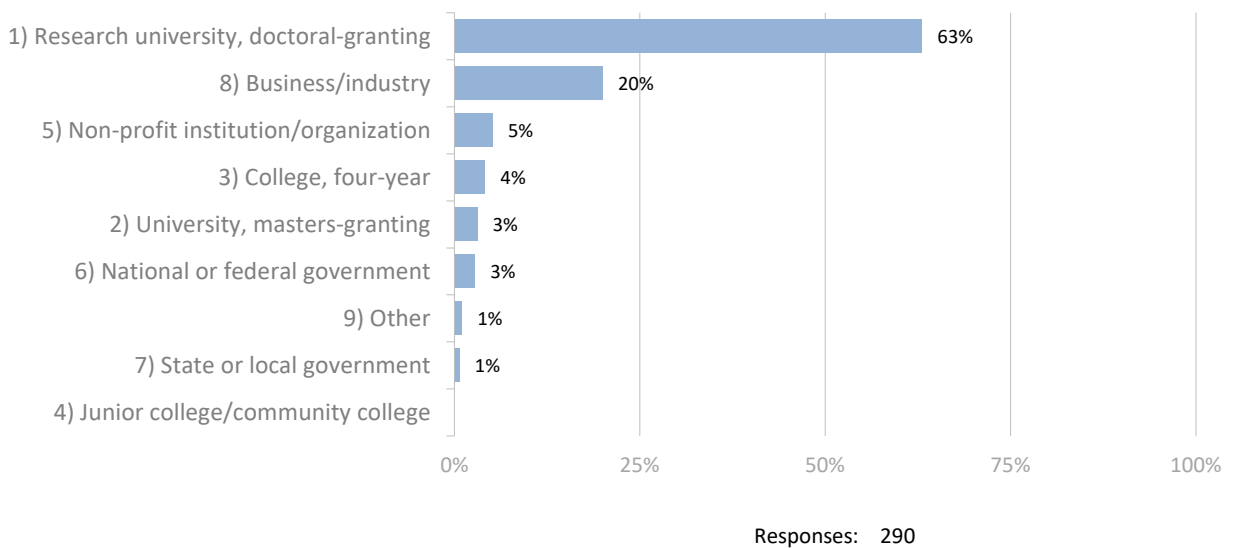
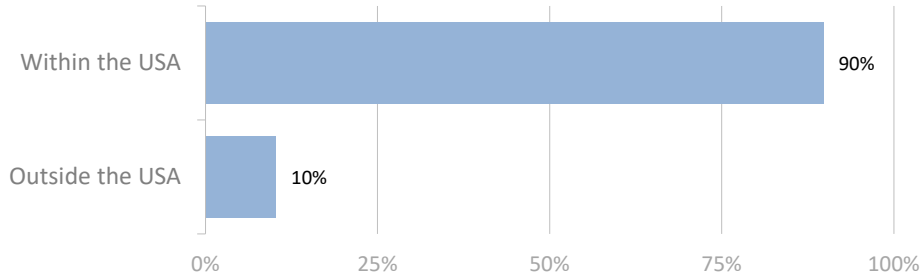


Figure 53: Obtained positions by category:



University of Pennsylvania

Figure 54: Employer location:



Responses: 293

Table 1: Top Five Employers Name:

Employers Name	Number Employed ¹
University of Pennsylvania	36
Massachusetts Institute of Technology	5
University of California	4
Brown University	
Johns Hopkins University	

Location of Top Five Employers WITHIN the USA:

State	Number Employed in each State ¹
Pennsylvania	76
Massachusetts	23
California	18
New York	16
New Jersey	12

Location of Employers OUTSIDE the USA:

Country	Number Employed in each Country ¹
China	7
United Kingdom	
Germany	
India	
Israel	

¹ Results shown only when N is greater than 3.

University of Pennsylvania

Figure 55: Among those SEARCHING for a position during next year, best description of position:

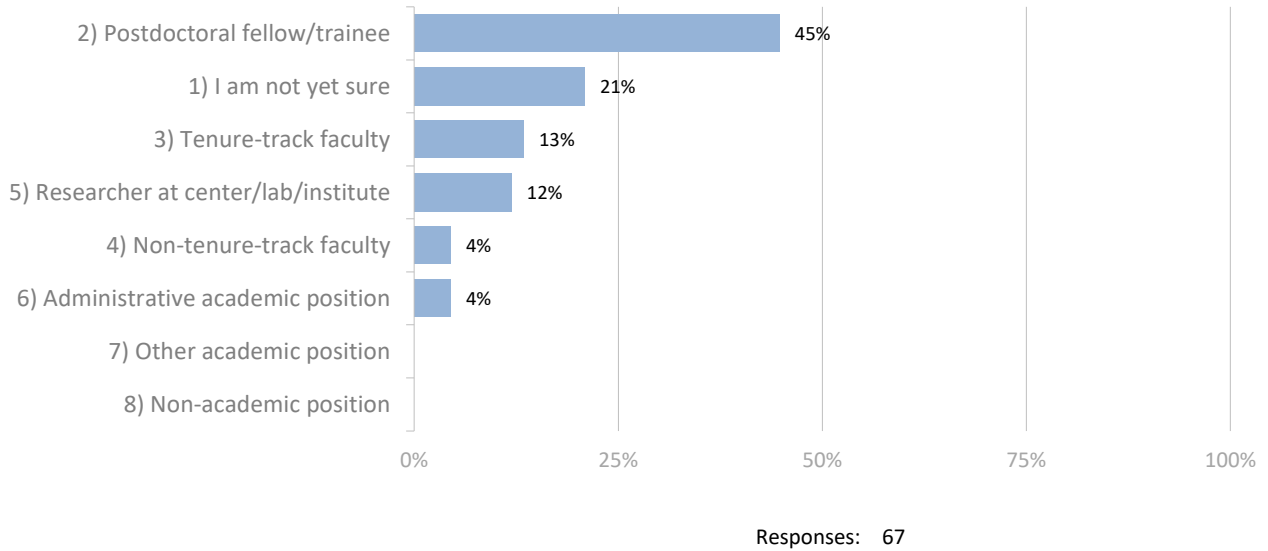
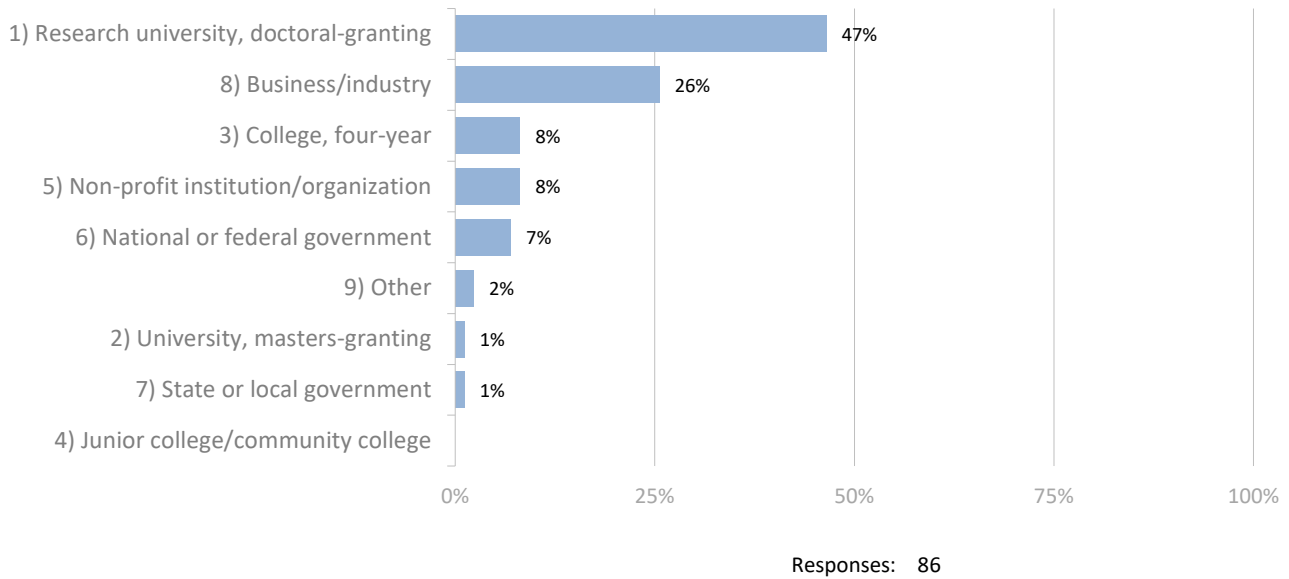


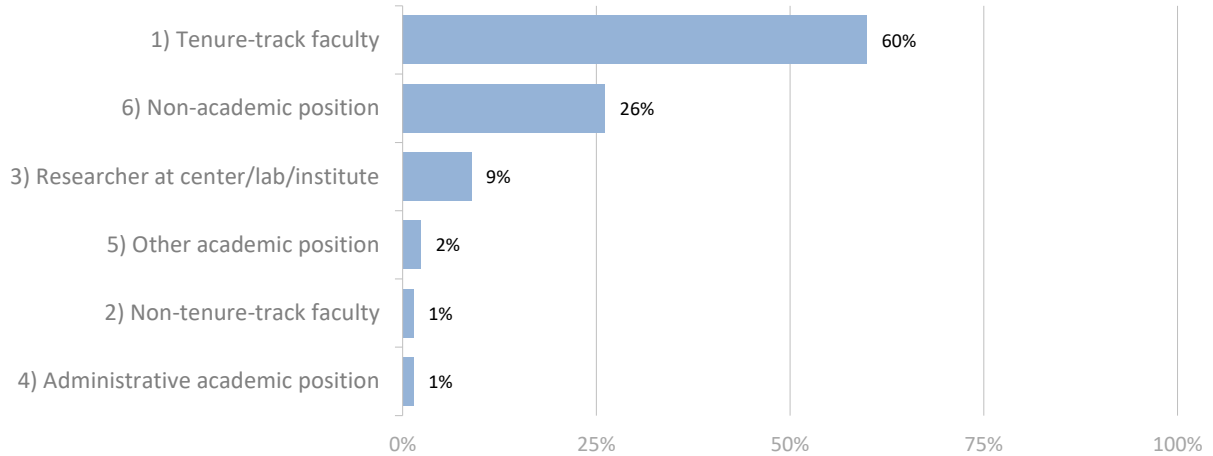
Figure 56: Among those SEARCHING for a position during next year, desired job sector:



2017-18 Ph.D. Exit Survey: Ultimate Future Goal

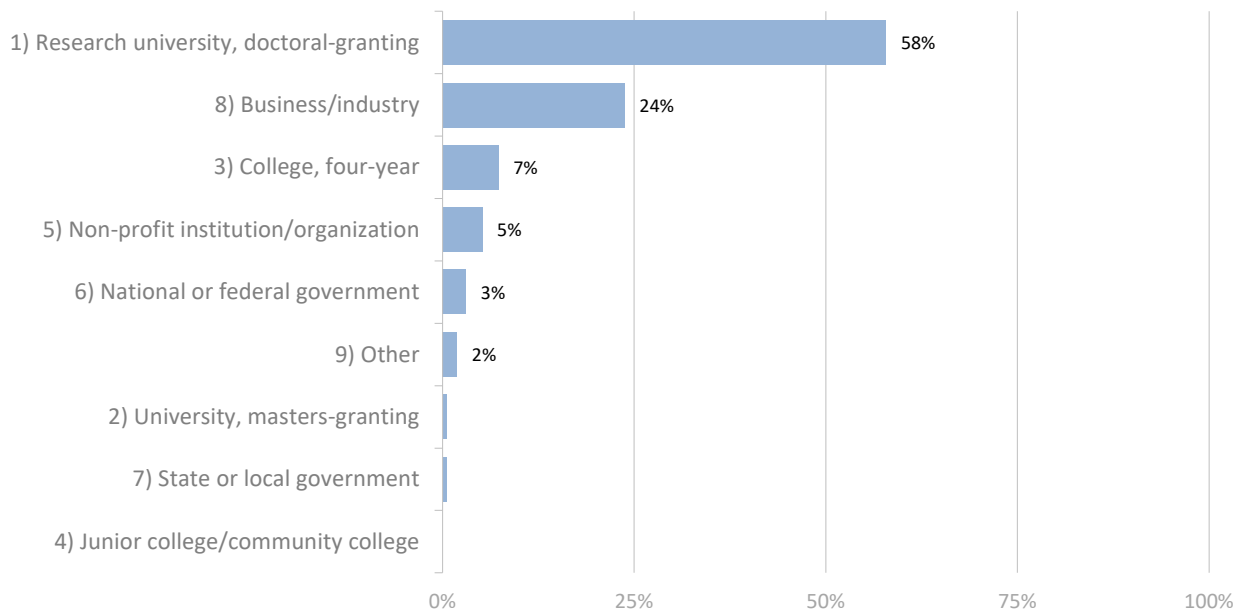
University of Pennsylvania

***Figure 56a: ULTIMATE career goal:**



Responses: 429

***Figure 56b: ULTIMATE career sector:**



Responses: 425

**Questions added in AY 2014-2015.*

2017-18 Ph.D. Exit Survey: Satisfaction

University of Pennsylvania

Figure 57: Overall satisfaction:

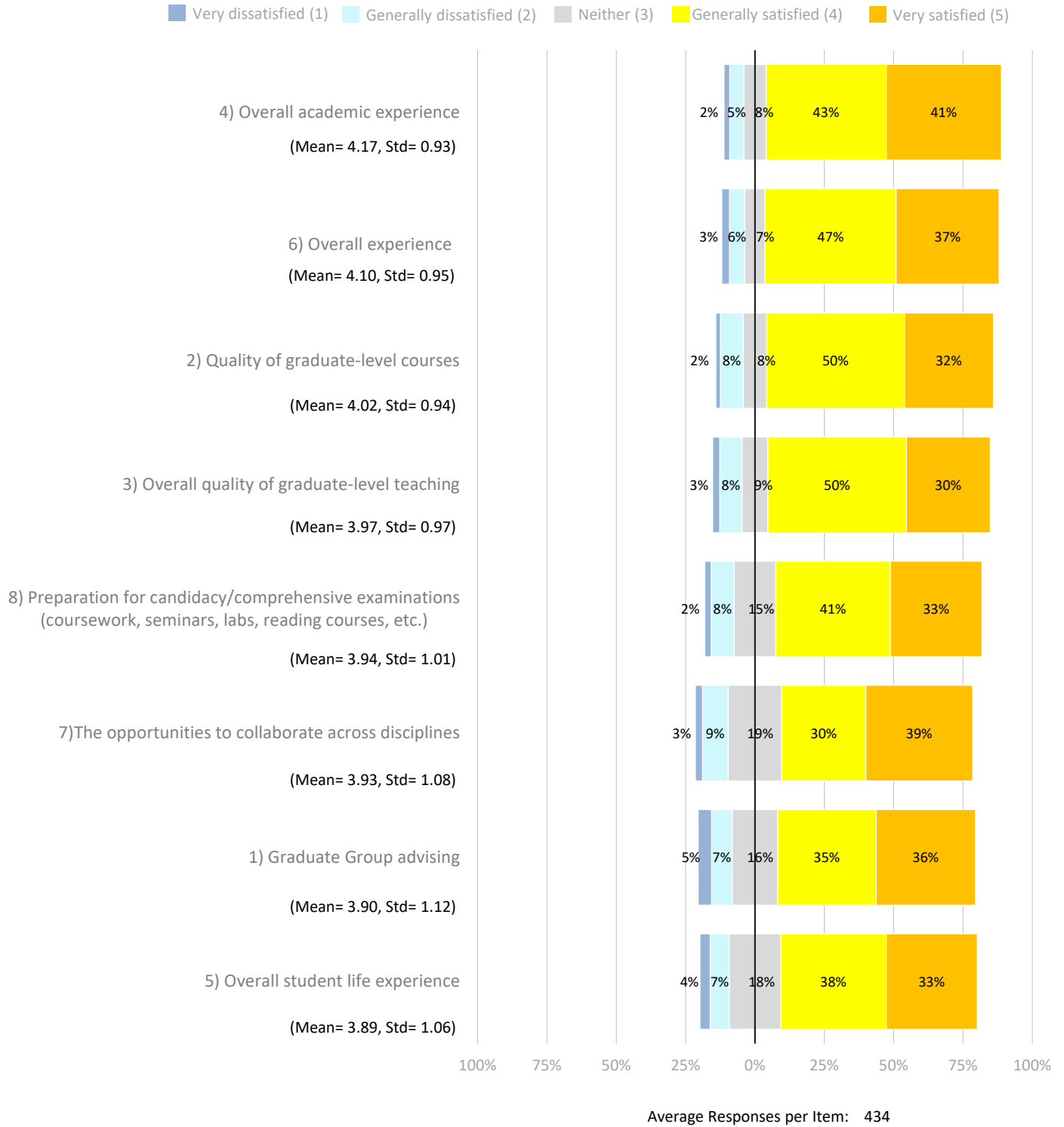
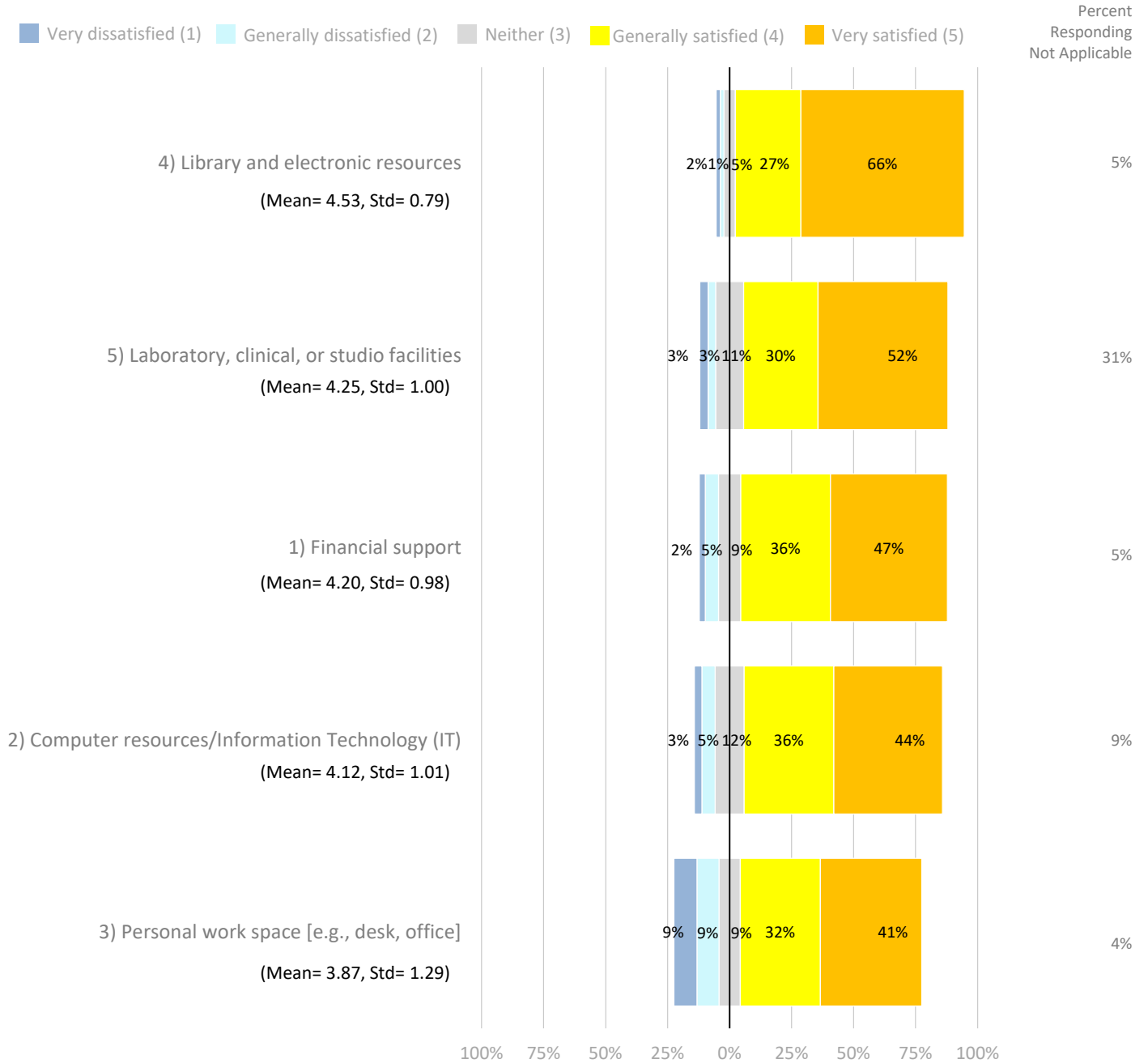


Figure 58: Satisfaction with support provided during graduate education and dissertation research:



Average Responses per Item: 434

Figure 59: If you were to start your graduate career again, would you...

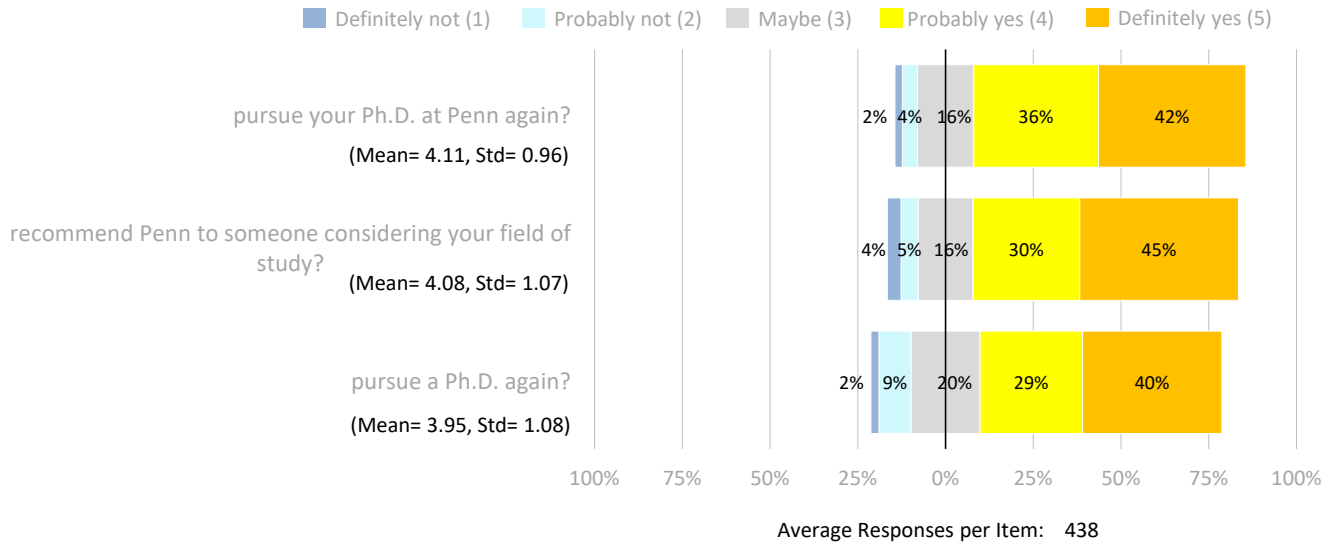


Figure 60: The decision to pursue a Ph.D. again at Penn is primarily based on (Probably and Definitely yes only):

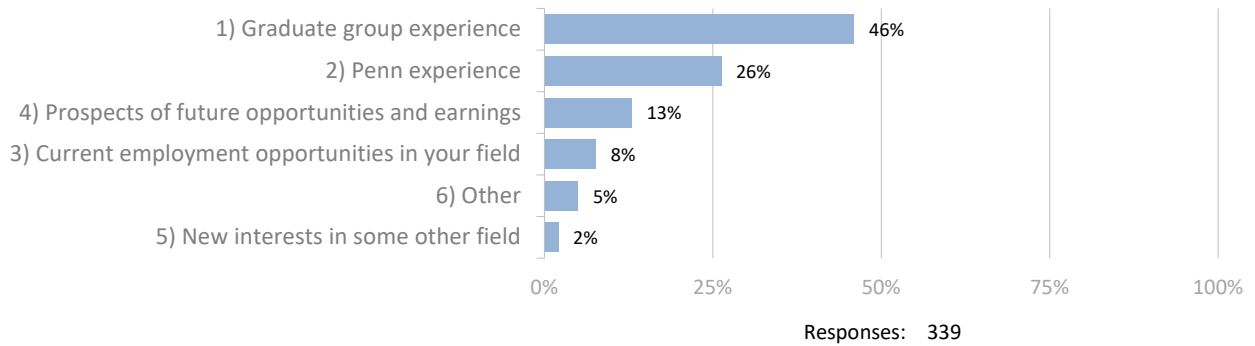


Figure 60a: The decision NOT to PURSUE a Ph.D at Penn again is primarily based on (Probably and Definitely not only):

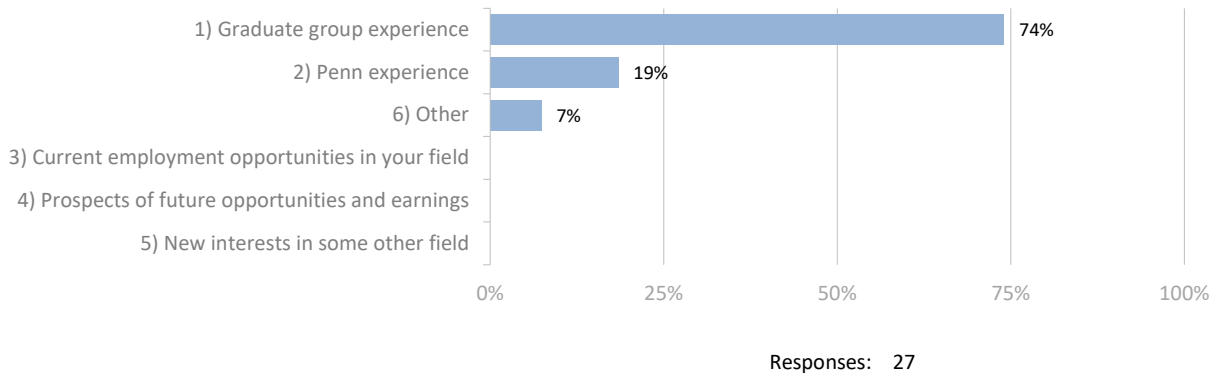
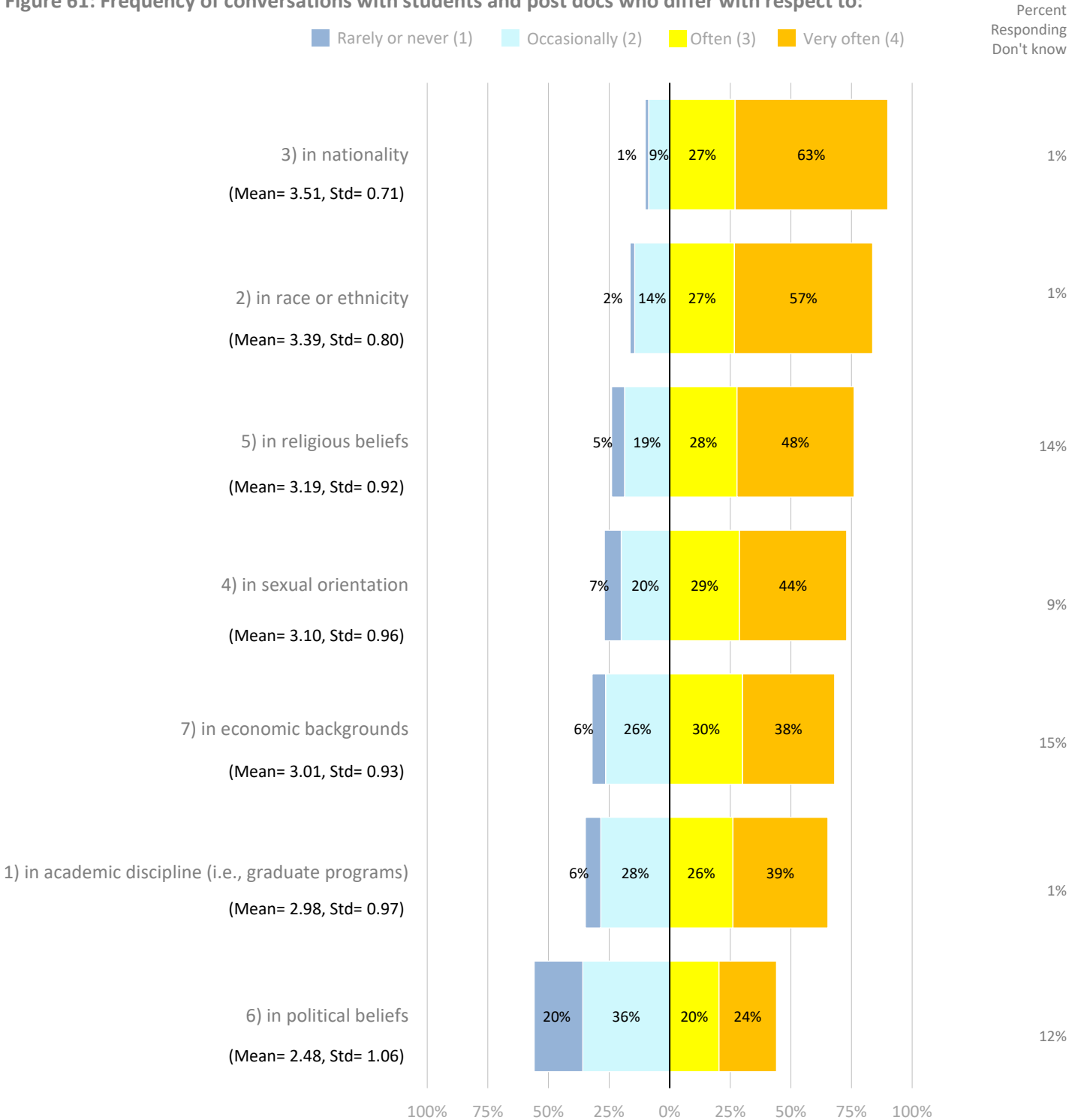


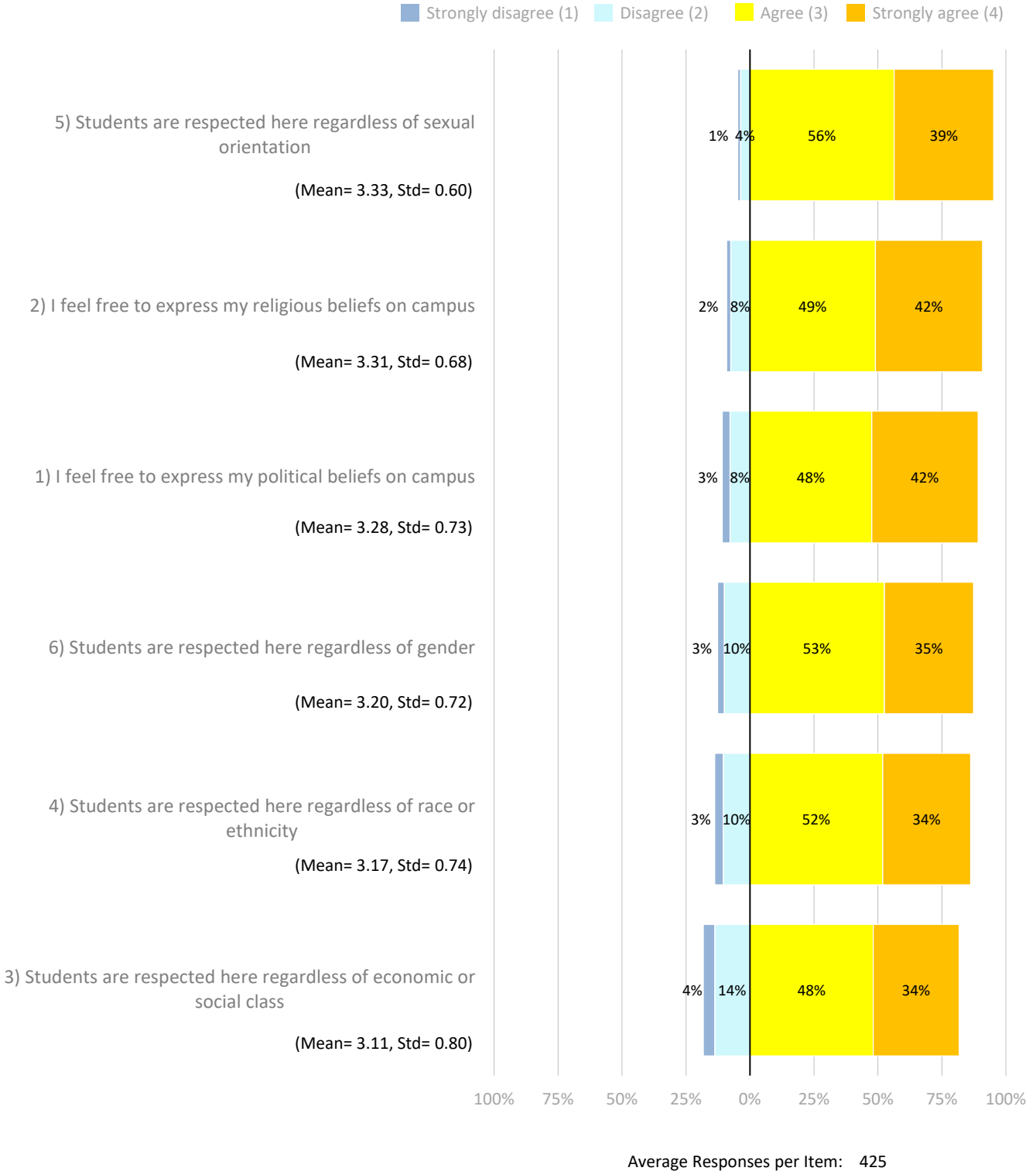
Figure 61: Frequency of conversations with students and post docs who differ with respect to:



Average Responses per Item: 429

University of Pennsylvania

Figure 62: Level of agreement with the following statements:



University of Pennsylvania

Figure 63: Impression of the Penn Community:

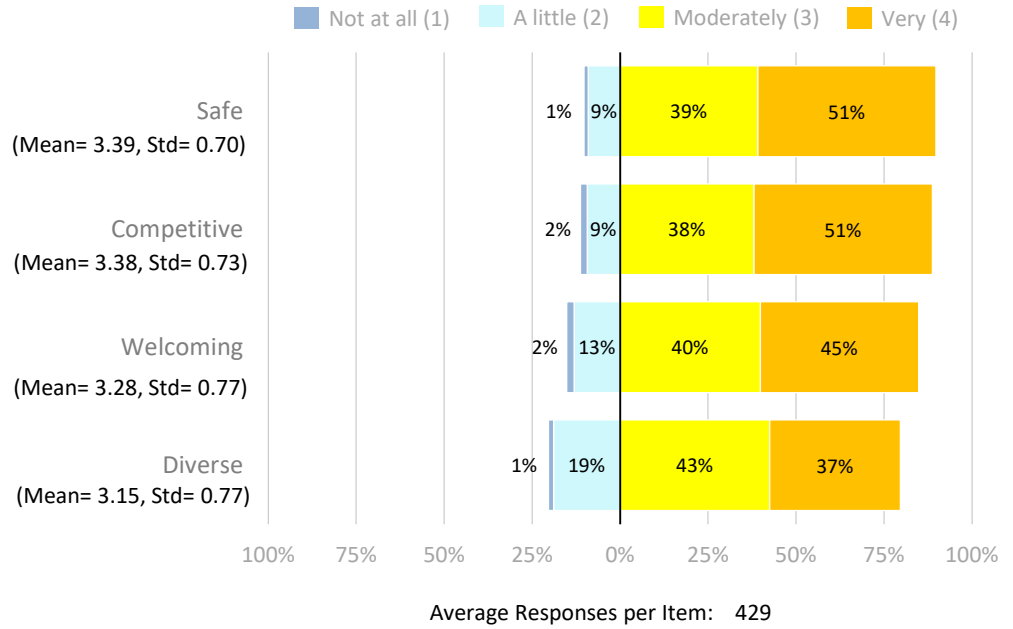
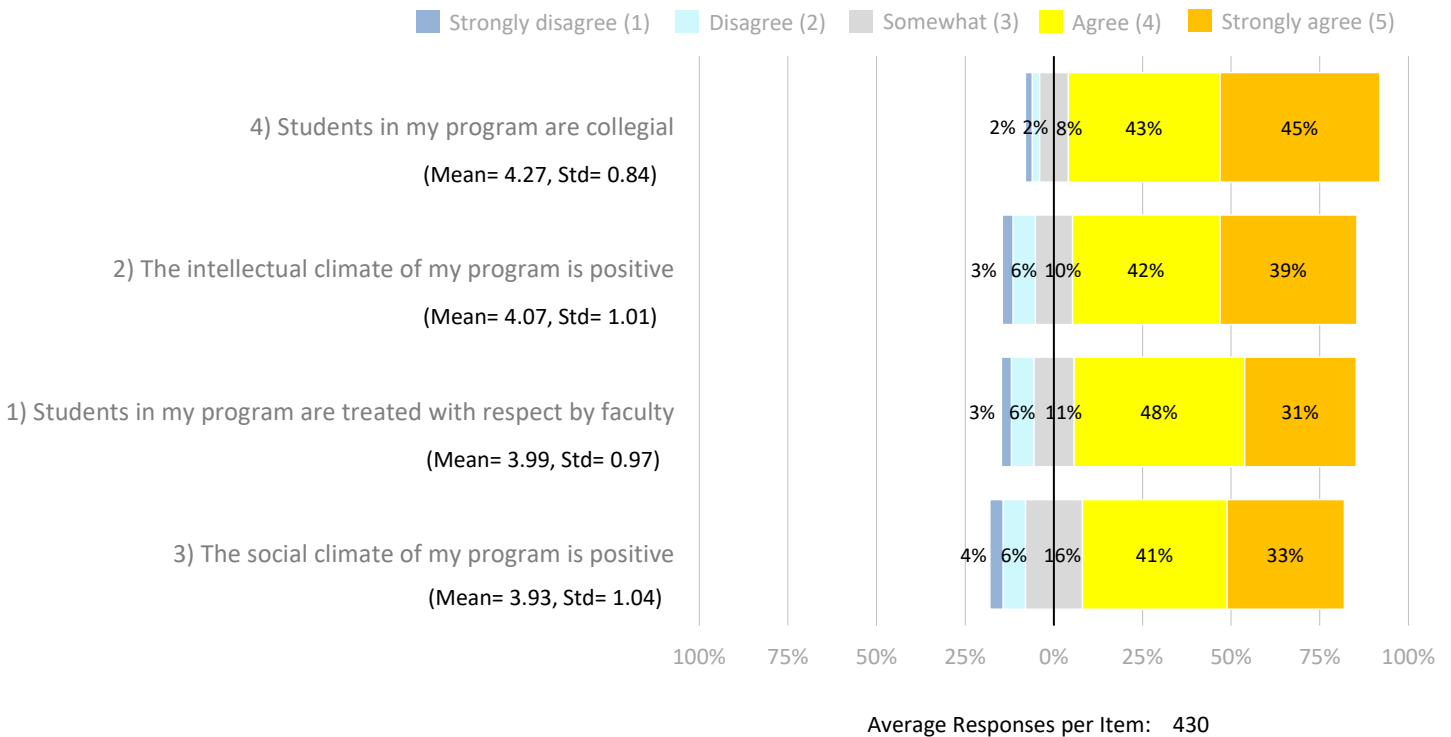
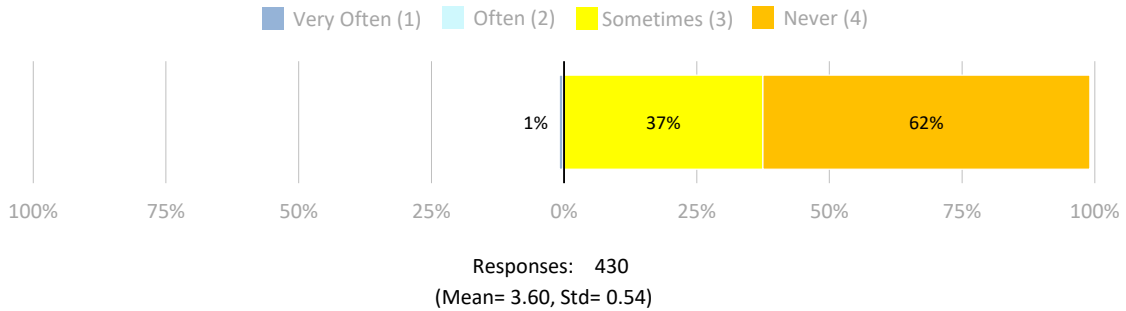


Figure 64: Level of agreement with the following statements:

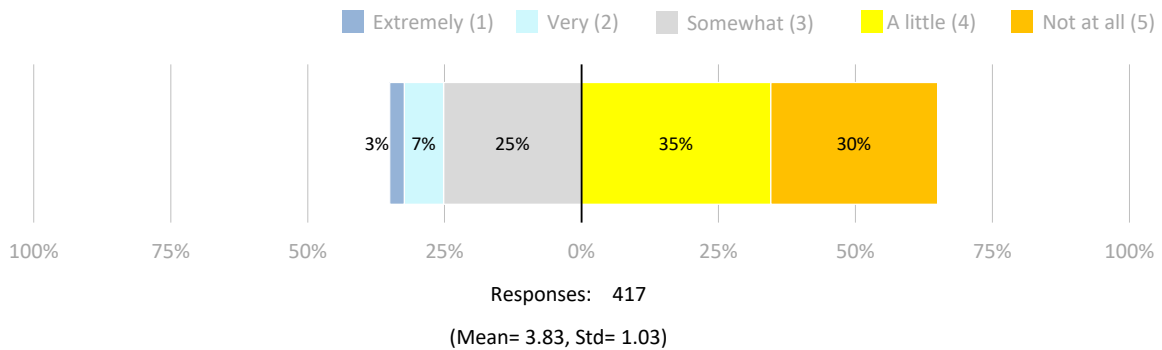


University of Pennsylvania

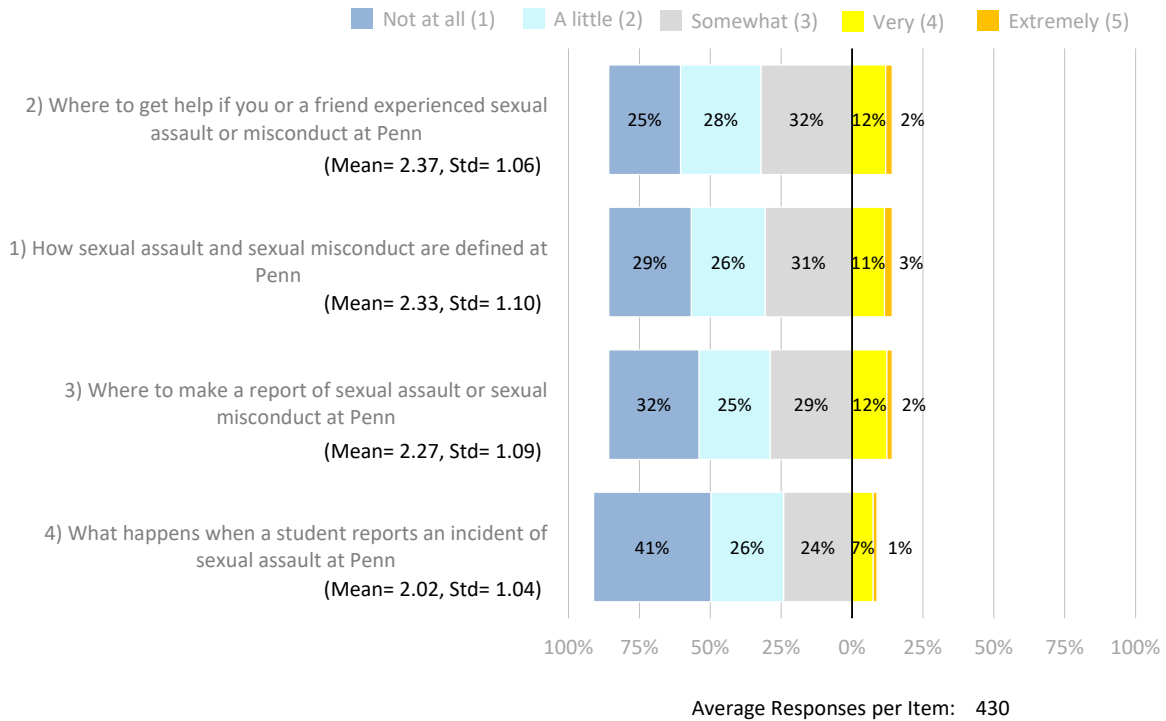
*Figure 65: Perceived frequency of cheating, including plagiarism at Penn:



*Figure 66: Perception of whether sexual assault or sexual misconduct at Penn is problematic:



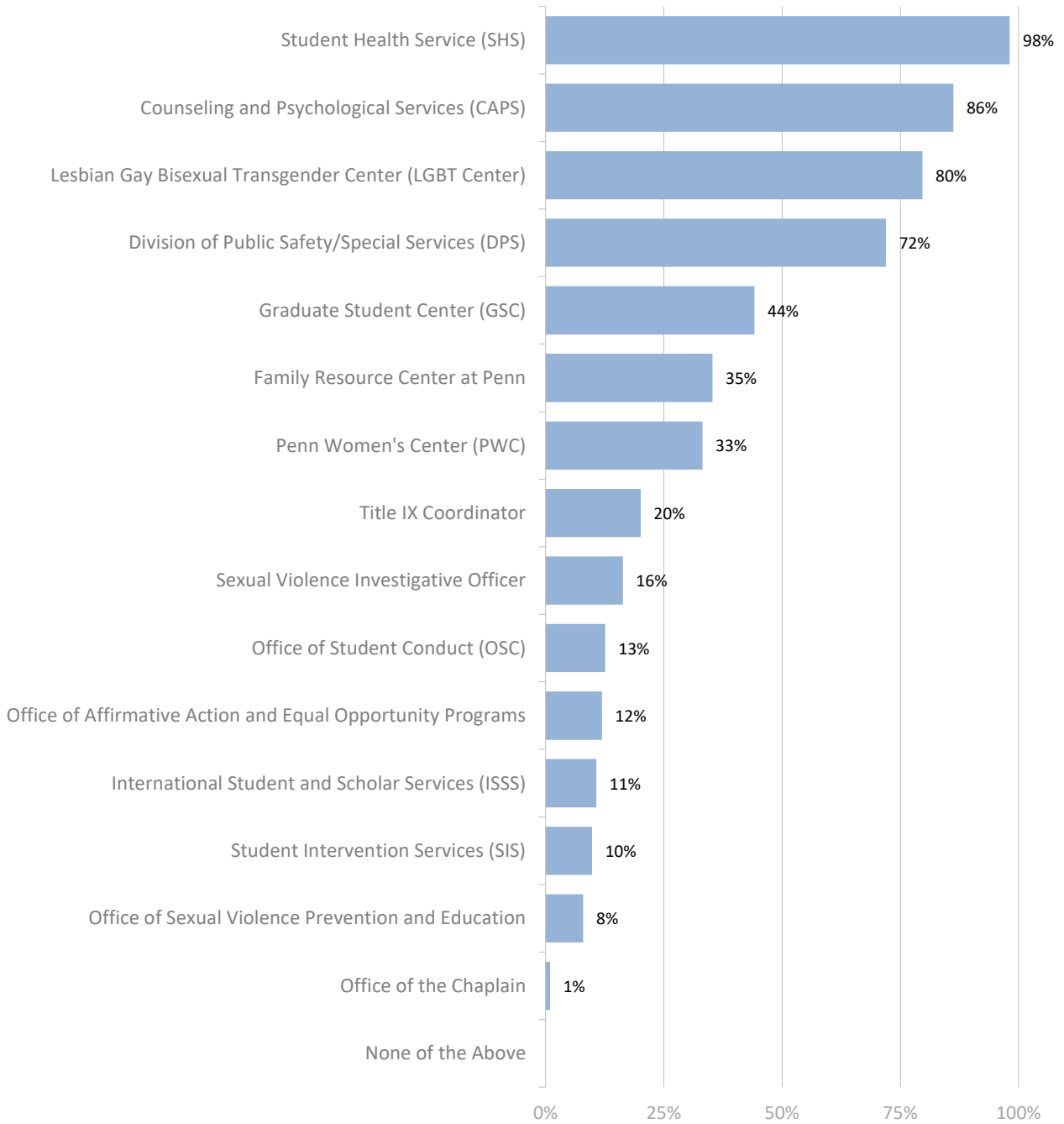
*Figure 66a: Extent of knowledge about sexual assault/misconduct at Penn:



*Question added in AY 2015-2016.

University of Pennsylvania

*Figure 66b: Awareness of services provided by the following:



Average Responses per Item: 428

*Question added in AY 2015-2016.