Ph.D. Exit Survey
Summary of Responses for Academic Year 2014

Group: University of Pennsylvania
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## 2013-14 Ph.D. Exit Survey: Respondents by Graduate Group

**Group: University of Pennsylvania**  
**Comparison (Comp): University of Pennsylvania**

<table>
<thead>
<tr>
<th>Graduate Group</th>
<th>Year Graduated</th>
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<tbody>
<tr>
<td><strong>Engineering Total</strong></td>
<td>2009</td>
</tr>
<tr>
<td>Bioengineering</td>
<td>12</td>
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<tr>
<td>Chemical and Bio-molecular Engineering</td>
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<tr>
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<tr>
<td>Materials Science and Engineering</td>
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<td>Computer and Information Science</td>
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<td>Mathematics</td>
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<td>Operations and Information Management</td>
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<tr>
<td>Ancient History</td>
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<td>Architecture</td>
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<tr>
<td>Classical Studies</td>
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<tr>
<td>Comparative Literature and Theory</td>
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<tr>
<td>East Asian Languages and Civilizations</td>
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<td>English</td>
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<td>CAMB - Cell Biology and Physiology</td>
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<td>CAMB - Development, Stem Cell and Regenerativ</td>
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<td>Epidemiology and Bio-statistics</td>
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<td>Genomics and Computational Biology</td>
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## 2013-14 Ph.D. Exit Survey: Respondents by Graduate Group

### Group: University of Pennsylvania

Comparison (Comp): University of Pennsylvania

<table>
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<tr>
<th>Graduate Group</th>
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<th>2011</th>
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<th>2013</th>
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<td>0</td>
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<td>474</td>
<td>517</td>
<td>417</td>
<td>358</td>
<td>460</td>
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</tbody>
</table>
Group: University of Pennsylvania
Comparison (Comp): University of Pennsylvania

Figure 2: When did you first enroll at Penn as a graduate student?

- 2004: 5%
- 2005: 3%
- 2006: 10%
- 2007: 23%
- 2008: 35%
- 2009: 21%
- 2010: 3%
- 2011: 0%
- 2012: 0%
- 2013: 0%

Responses: 459

Figure 3: Degrees Awarded by Term.

- Spring 2014: 43%
- Fall 2013: 31%
- Summer 2013: 26%

Responses: 458

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

- Six or fewer years: 66%
- Seven - eight years: 27%
- Nine - ten years: 7%
- Eleven or more years: 0%

Responses: 460
(Mean=5.87, Std=1.32)
Group: University of Pennsylvania
Comparison (Comp): University of Pennsylvania

**Figure 5: Respondents by Gender.**

- Male: 51%
- Female: 48%
- Transgender: 1%

Responses: 430

**Figure 6: Percent of respondents who self identified as lesbian, gay, bisexual, or queer.**

- 9%

Responses: 425

**Figure 7: Respondents current citizenship status.**

- US citizen: 70%
- Permanent Resident: 3%
- International: 26%

Responses: 437
Figure 8: Respondents by Race (Domestic Students only).

- White non-Hispanic: 73%
- Asian American/Pacific Islander: 17%
- Hispanic/Latino/a: 5%
- African American/Black: 4%
- Other: 2%
- American Indian/Alaskan Native: 0%

Responses: 333

Figure 9: Percent of respondents who are currently married or living with a long-term partner.

- 57%

Responses: 428

Figure 10: Percent of respondents spouses or partners:

- A Graduate student: 31%
- Works outside the home: 89%

Responses: 245
Figure 11: Percent of respondents with children.

Responses: 436

Figure 12: Of those with children, percent who have kids in the following age ranges.

Responses: 70

Figure 13: Percent of international students who plan to return to their country for professional employment within the next two years.

Responses: 113

*Figure 11: Question was phrased differently beginning in AY 2013-2014.*
Figure 14: Respondents (self identified) by Socio-Economic Status.

- Low Income or Poor: 6%
- Working class: 20%
- Middle class: 39%
- Upper-middle or Professional-middle: 32%
- Wealthy: 2%

Responses: 425
2013-14 Ph.D. Exit Survey: Academic

Group: University of Pennsylvania
Comparison (Comp): University of Pennsylvania

Figure 15: Did your Ph.D program provide you with a formal orientation to help you understand the process of completing your graduate degree?

- Yes, and I attended: 69%
- Yes, but I did not attend: 1%
- No: 10%
- I don’t remember: 19%

Responses: 455

Figure 16: How effective was this orientation in helping you to understand the process of completing your graduate degree?

- Very Ineffective (1): 3%
- Fairly Ineffective (2): 9%
- Neither (3): 16%
- Fairly Effective (4): 51%
- Very Effective (5): 21%

Responses: 304
(Mean=3.77, Std=0.992)

Figure 15: Response categories were modified beginning in AY 2013-2014.
Written expectations about their academic requirements and expected progress

Formal assessment of their academic progress annually

Figure 17: Percent of respondents who received:

Responses: 447

Figure 18: Please consider your Candidacy Exam (the last examination before you undertook your dissertation research). Was this a beneficial educational experience?

Responses: 446

(Mean=3.02, Std=0.862)
Figure 19: Do you think the Candidacy Exam in its current form should be modified?

- Yes: 16%
- No: 64%
- Don’t know: 20%

Responses: 448
Figure 20: To what extent were the following factors an obstacle to your academic progress?

- **5) Course scheduling**
  - (Mean=3.66, Std=0.59)
- **3) Availability of faculty**
  - (Mean=3.39, Std=0.799)
- **4) Program structure or requirements**
  - (Mean=3.38, Std=0.767)
- **6) Immigration laws or regulations**
  - (Mean=3.37, Std=1.123)
- **2) Family obligations**
  - (Mean=3.36, Std=0.846)
- **1) Financial commitments**
  - (Mean=3.36, Std=0.884)

Average Responses per Item: 443
**Figure 21: How many faculty served on your Dissertation committee?**

<table>
<thead>
<tr>
<th>Faculty Count</th>
<th>Percentage</th>
</tr>
</thead>
<tbody>
<tr>
<td>Two</td>
<td>2%</td>
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<tr>
<td>Three</td>
<td>38%</td>
</tr>
<tr>
<td>Four</td>
<td>42%</td>
</tr>
<tr>
<td>Five</td>
<td>15%</td>
</tr>
<tr>
<td>Six or more</td>
<td>3%</td>
</tr>
</tbody>
</table>

Responses: 442  
(Mean=3.79, Std=0.84)

**Figure 22: Percent of respondents who received mentoring from:**

- **Dissertation Advisor:** 89%
- **Faculty member WITHIN their Graduate Group:** 52%
- **Faculty member OUTSIDE their Graduate Group:** 20%

Responses: 441
Figure 23: Percent of respondents who received assistance or support from a DISSERTATION ADVISOR on each of the following:

- **2) Dissertation research:** 96%
- **3) Advice writing & revising the dissertation:** 92%
- **1) Selection of a dissertation topic:** 90%
- **4) Selection of academic career options:** 77%
- **5) Selection of nonacademic career options:** 44%
- **6) Search for employment or training:** 65%

Responses: 440

*Figure 23: Question added in AY 2013-2014.*
Figure 23a: If you have received assistance or support from your Dissertation Advisor on each of the following items, how timely was the assistance or support?

- **6) Search for employment or training**
  - Mean: 3.68, Std: 0.552
  - Timeliness: 0% Not Very Timely, 24% Somewhat Timely, 72% Very Timely
  - Percent Received Assistance or Support: 65%

- **4) Selection of academic career options**
  - Mean: 3.67, Std: 0.566
  - Timeliness: 1% Not Very Timely, 26% Somewhat Timely, 71% Very Timely
  - Percent Received Assistance or Support: 77%

- **1) Selection of a dissertation topic**
  - Mean: 3.65, Std: 0.608
  - Timeliness: 1% Not Very Timely, 23% Somewhat Timely, 72% Very Timely
  - Percent Received Assistance or Support: 90%

- **2) Dissertation research**
  - Mean: 3.61, Std: 0.658
  - Timeliness: 1% Not Very Timely, 23% Somewhat Timely, 70% Very Timely
  - Percent Received Assistance or Support: 96%

- **5) Selection of nonacademic career options**
  - Mean: 3.59, Std: 0.697
  - Timeliness: 3% Not Very Timely, 24% Somewhat Timely, 69% Very Timely
  - Percent Received Assistance or Support: 44%

- **3) Advice writing & revising the dissertation**
  - Mean: 3.53, Std: 0.775
  - Timeliness: 3% Not Very Timely, 8% Somewhat Timely, 22% Very Timely
  - Percent Received Assistance or Support: 92%

Average Responses per Item: 334
Figure 23b: If you have you received assistance or support from your Dissertation Advisor on each of the following items, how HELPFUL was the assistance or support?

1) Selection of a dissertation topic
   (Mean=3.69, Std=0.546)

2) Dissertation research
   (Mean=3.69, Std=0.546)

3) Advice writing & revising the dissertation
   (Mean=3.61, Std=0.668)

4) Selection of academic career options
   (Mean=3.53, Std=0.703)

5) Selection of nonacademic career options
   (Mean=3.37, Std=0.834)

6) Search for employment or training
   (Mean=3.64, Std=0.606)

Average Responses per Item: 322
Figure 24: Percent of respondents who received assistance or support from a mentor WITHIN Graduate Group on each of the following:

- 2) Dissertation research: 81%
- 4) Selection of academic career options: 75%
- 6) Search for employment or training: 63%
- 3) Advice writing & revising the dissertation: 60%
- 1) Selection of a dissertation topic: 48%
- 5) Selection of nonacademic career options: 41%

Responses: 227

Figure 24: Question added in AY 2013-2014.
Figure 24a: Other than your Dissertation advisor, if you have received assistance or support from a mentor WITHIN your Graduate Group, how TIMELY was the assistance or support?

Average Responses per Item: 134
2013-14 Ph.D. Exit Survey: Faculty - Mentor WITHIN the Graduate Group (other than Dissertation Advisor)

Group: University of Pennsylvania
Comparison (Comp): University of Pennsylvania

Figure 24b: Other than your Dissertation advisor, if you have received assistance or support from a mentor WITHIN your Graduate Group, how HELPFUL was the assistance or support?

1) Selection of a dissertation topic
   (Mean=3.8, Std=0.422)

6) Search for employment or training
   (Mean=3.73, Std=0.492)

3) Advice writing & revising the dissertation
   (Mean=3.72, Std=0.557)

4) Selection of academic career options
   (Mean=3.7, Std=0.487)

5) Selection of nonacademic career options
   (Mean=3.69, Std=0.533)

2) Dissertation research
   (Mean=3.68, Std=0.515)

Average Responses per Item: 135

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Figure 25: Percent of respondents who received assistance or support from a mentor OUTSIDE Graduate Group on each of the following:

1) Selection of a dissertation topic: 44%
2) Dissertation research: 73%
3) Advice writing & revising the dissertation: 62%
4) Selection of academic career options: 76%
5) Selection of nonacademic career options: 40%
6) Search for employment or training: 64%

Responses: 86

Figure 25: Question added in AY 2013-2014.
**Group: University of Pennsylvania**

Comparison (Comp): University of Pennsylvania

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**Figure 25a: Other than your Dissertation advisor, if you have received assistance or support from a mentor OUTSIDE your Graduate Group, how TIMELY was the assistance or support?**

<table>
<thead>
<tr>
<th>Item</th>
<th>Not at All Timely OR Not Very Timely</th>
<th>Somewhat Timely OR Very Timely</th>
<th>Percent Received Assistance or Support</th>
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<tr>
<td>1) Selection of a dissertation topic</td>
<td>3%</td>
<td>18%</td>
<td>76%</td>
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<td>(Mean=3.71, Std=0.565)</td>
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<td>2) Dissertation research</td>
<td>2%</td>
<td>27%</td>
<td>72%</td>
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<td>(Mean=3.7, Std=0.497)</td>
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<td>3) Advice writing &amp; revising the dissertation</td>
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<td>71%</td>
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<td>(Mean=3.69, Std=0.51)</td>
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<tr>
<td>4) Selection of academic career options</td>
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<td>5) Selection of nonacademic career options</td>
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<td>66%</td>
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<td>(Mean=1.5, Std=0.554)</td>
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<td></td>
</tr>
<tr>
<td>6) Search for employment or training</td>
<td>4%</td>
<td>27%</td>
<td>69%</td>
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<td>(Mean=3.65, Std=0.559)</td>
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Average Responses per Item: 49
Figure 25b: Other than your Dissertation advisor, if you have received assistance or support from a mentor OUTSIDE your Graduate Group, how HELPFUL was the assistance or support?

3) Advice writing & revising the dissertation
(Mean=3.82, Std=0.385)

1) Selection of a dissertation topic
(Mean=3.79, Std=0.474)

5) Selection of nonacademic career options
(Mean=3.75, Std=0.508)

4) Selection of academic career options
(Mean=3.75, Std=0.439)

6) Search for employment or training
(Mean=3.71, Std=0.536)

2) Dissertation research
(Mean=3.7, Std=0.495)

<table>
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<th>Percent Received Assistance or Support</th>
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<td>19%</td>
</tr>
<tr>
<td>78%</td>
</tr>
<tr>
<td>3%</td>
</tr>
<tr>
<td>25%</td>
</tr>
<tr>
<td>75%</td>
</tr>
<tr>
<td>25%</td>
</tr>
<tr>
<td>21%</td>
</tr>
<tr>
<td>75%</td>
</tr>
<tr>
<td>26%</td>
</tr>
<tr>
<td>72%</td>
</tr>
<tr>
<td>18%</td>
</tr>
<tr>
<td>82%</td>
</tr>
<tr>
<td>44%</td>
</tr>
<tr>
<td>62%</td>
</tr>
<tr>
<td>40%</td>
</tr>
<tr>
<td>76%</td>
</tr>
<tr>
<td>64%</td>
</tr>
<tr>
<td>73%</td>
</tr>
</tbody>
</table>

Average Responses per Item: 50
**Figure 26: How much have you borrowed to finance your doctoral education?**

<table>
<thead>
<tr>
<th>Amount</th>
<th>Percentage</th>
</tr>
</thead>
<tbody>
<tr>
<td>$0</td>
<td>79%</td>
</tr>
<tr>
<td>$1-9,999</td>
<td>5%</td>
</tr>
<tr>
<td>$10,000-19,999</td>
<td>4%</td>
</tr>
<tr>
<td>$20,000-29,999</td>
<td>4%</td>
</tr>
<tr>
<td>$30,000-39,999</td>
<td>1%</td>
</tr>
<tr>
<td>$40,000-49,999</td>
<td>3%</td>
</tr>
<tr>
<td>$50,000 or more</td>
<td>5%</td>
</tr>
</tbody>
</table>

Responses: 443

**Figure 27: In which years of doctoral study did you borrow?**

<table>
<thead>
<tr>
<th>Year</th>
<th>Percentage</th>
</tr>
</thead>
<tbody>
<tr>
<td>First</td>
<td>14%</td>
</tr>
<tr>
<td>Second</td>
<td>10%</td>
</tr>
<tr>
<td>Third</td>
<td>12%</td>
</tr>
<tr>
<td>Fourth</td>
<td>11%</td>
</tr>
<tr>
<td>Fifth</td>
<td>13%</td>
</tr>
<tr>
<td>Sixth</td>
<td>15%</td>
</tr>
<tr>
<td>Seventh</td>
<td>13%</td>
</tr>
<tr>
<td>Eighth or later</td>
<td>14%</td>
</tr>
</tbody>
</table>

Responses: 94

*Figure 27: Question was phrased differently beginning in AY 2013-2014.*
2013-14 Ph.D. Exit Survey: Financial

Group: University of Pennsylvania
Comparison (Comp): University of Pennsylvania

Figure 28: Percent of respondents who received financial support by category. (Students who received financial support only). Indicate all that apply.

<table>
<thead>
<tr>
<th>Financial Support Categories</th>
<th>N</th>
<th>%</th>
<th>Average Number of Years</th>
</tr>
</thead>
<tbody>
<tr>
<td>University or school fellowship</td>
<td>267</td>
<td>72%</td>
<td>3.9</td>
</tr>
<tr>
<td>Teaching Assistant</td>
<td>186</td>
<td>71%</td>
<td>2.5</td>
</tr>
<tr>
<td>Research Assistant or equivalent</td>
<td>146</td>
<td>51%</td>
<td>2.5</td>
</tr>
<tr>
<td>Outside fellowship</td>
<td>123</td>
<td>43%</td>
<td>2.3</td>
</tr>
<tr>
<td>Other</td>
<td>86</td>
<td>12%</td>
<td>3.7</td>
</tr>
<tr>
<td>Foreign government</td>
<td>60</td>
<td>2%</td>
<td>3.0</td>
</tr>
<tr>
<td>Corporate funds</td>
<td>55</td>
<td>1%</td>
<td>1.0</td>
</tr>
</tbody>
</table>

Figure 28: Question was phrased differently beginning in AY 2013-2014.
Results shown only when N is greater than 3.
Figure 29: How familiar are you with the criteria used to allocate financial support?

![Bar chart showing responses to the question about familiarity with criteria for allocating financial support. The chart indicates that 34% of respondents are not at all familiar or a little familiar, while 39%, 21%, and 6% are quite familiar, very familiar, and quite familiar, respectively. The mean response is 2, with a standard deviation of 0.899.]

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

![Bar chart showing responses to the question about fairness of financial support allocation. The chart indicates that 11% of respondents have no or partly, while 20%, 36%, and 32% have mostly or yes, respectively. The mean response is 2.9, with a standard deviation of 0.989.]

Responses: 95 (Mean=2, Std=0.899)
Figure 31: During which year(s) of your doctoral program did you use Career Services, (i.e. meet with a career advisor, attend a Career Services event or use other resources such as the website)? Indicate all that apply.

- First year: 6%
- Second year: 7%
- Third year: 8%
- Fourth year: 22%
- Fifth year: 25%
- Six year or beyond: 17%

Responses: 460

Figure 32: How many of Career Services’ programs did you attend on the following?

<table>
<thead>
<tr>
<th>Programs on academic careers</th>
<th>None</th>
<th>One or two</th>
<th>Three or four</th>
<th>Five or more</th>
</tr>
</thead>
<tbody>
<tr>
<td>Responses:</td>
<td>58%</td>
<td>28%</td>
<td>11%</td>
<td>4%</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Programs on non-academic employment</th>
<th>None</th>
<th>One or two</th>
<th>Three or four</th>
<th>Five or more</th>
</tr>
</thead>
<tbody>
<tr>
<td>Responses:</td>
<td>62%</td>
<td>23%</td>
<td>10%</td>
<td>5%</td>
</tr>
</tbody>
</table>

Responses: 426
Figure 32a: If you have attended the following programs offered by the Career Services, please rate HELPFULNESS.

- Programs on academic careers: (Mean=3.08, Std=0.66)
  - Not at all helpful: 1%
  - Somewhat helpful: 14%
  - Very helpful: 60%
  - Not very helpful: 25%

- Programs on non-academic employment: (Mean=2.98, Std=0.759)
  - Not at all helpful: 6%
  - Somewhat helpful: 13%
  - Very helpful: 60%
  - Not very helpful: 22%

Figure 33: How frequently did you attend/use the following offerings by Career Services?

1) Individual counseling session and email contact with counselors
   (Mean=1.39, Std=0.684)
   - Never (1): 4%
   - Occasionally (2): 23%
   - Sometimes (3): 75%
   - Frequently (4): 2%

2) Academic Job Search Handbook
   (Mean=1.39, Std=0.783)
   - Never (1): 5%
   - Occasionally (2): 15%
   - Sometimes (3): 75%
   - Frequently (4): 5%

3) Resources for doctoral students on Career Services website
   (Mean=1.78, Std=0.937)
   - Never (1): 51%
   - Occasionally (2): 27%
   - Sometimes (3): 15%
   - Frequently (4): 7%

4) Email listservs of job/fellowship/internship announcements, event announcements
   (Mean=1.97, Std=1.134)
   - Never (1): 50%
   - Occasionally (2): 19%
   - Sometimes (3): 15%
   - Frequently (4): 16%
Figure 33a: If you have attended the following programs offered by the Career Services, please rate HELPFULNESS.

1) Individual counseling session and email contact with counselors  
   (Mean=3.22, Std=0.877)

3) Resources for doctoral students on Career Services website  
   (Mean=3.11, Std=0.687)

2) Academic Job Search Handbook  
   (Mean=3.09, Std=0.716)

4) Email listservs of job/fellowship/internship announcements, event announcements  
   (Mean=3.06, Std=0.689)

Figure 34: Percent of respondents who attended activities and/or used the services of the Graduate Student Center.

Responses: 443

Figure 33a: Question added in AY 2013-2014.
Figure 35: Percent of respondents who presented their research in organized seminars, colloquia, or conferences sponsored by your Graduate Group.

Figure 36: How many research or scholarly presentations (including poster presentations) did you make ON CAMPUS during your graduate studies (not including presentations given in class or in regularly-scheduled not-for-credit lab meetings)?

Figure 36: Response categories were modified beginning in AY 2013-2014.
Figure 36a: How many research or scholarly presentations (including poster presentations) did you make AWAY from your campus (regional, national, or international)?

Responses: 403  
(Mean=5.62, Std=2.92)

Figure 37: If you made a presentation AWAY from campus, did you receive funds for travel from any of the following sources? Check all that apply.

- 2) A research grant 51%
- 1) Your program 48%
- 3) GAPSA 37%
- 4) Other institutional funds 25%

Responses: 407

Figure 36a: Question was phrased differently beginning in AY 2013-2014.
Figure 37: Question was phrased differently and two new funding sources (A research grant & Other institutional funds) were added beginning in AY 2013-2014.
Figure 38: Based on research conducted while you were a doctoral student, how many scholarly articles, books, or book chapters have you authored or co-authored that have been published or accepted for publication?

Responses: 441
(Mean=3.61, Std=2.49)

Figure 38a: How many others are currently under review?

Responses: 402
(Mean=1.89, Std=1.06)

Figure 38: Response categories were modified beginning in AY 2013-2014.
2013-14 Ph.D. Exit Survey: Teaching and Research

Group: University of Pennsylvania
Comparison (Comp): University of Pennsylvania

Figure 39: Percent of respondents who served as a graduate Teaching Assistant (TA) at any point during their doctoral studies.

![Bar chart showing 79% of respondents served as TAs](image)

Responses: 443

Figure 40: How helpful was this experience with respect to your professional development and training?

![Bar chart showing responses to the helpfulness question](image)

Responses: 342
(Mean=3.32, Std=0.775)

Figure 40: Response categories were modified beginning in AY 2013-2014.
Figure 41: How many semesters did you teach as a Teaching Assistant (TA)?

![Bar chart showing responses for teaching as a TA.](chart1)

Responses: 351
(Mean=4.48, Std=2.23)

Figure 41a: How many semesters did you teach as a lecturer (with primary responsibility for the class)?

![Bar chart showing responses for teaching as a lecturer.](chart2)

Responses: 322
(Mean=1.85, Std=1.55)

*Figure 41 and 41a: Question was organized differently beginning in AY 2013-2014.*
Figure 42: Percent of respondents who received teaching preparation training as a Teaching Assistant (TA).

![Bar chart showing 66% of respondents received teaching preparation training as a Teaching Assistant (TA).]

Responses: 352

Figure 43: Of those respondents who received teaching preparation training as a Teaching Assistant (TA), types of teaching preparation provided. Mark all that apply.

1) Department level teaching workshop or orientation
   - 59%

2) School level teaching workshop or orientation
   - 69%

3) Other
   - 10%

Responses: 232

Figure 44: Of those respondents who received teaching preparation training as a Teaching Assistant (TA), HELPFULNESS of the training?

**Departmental level training**
- Not at all helpful OR Not very helpful: 15%
- Somewhat helpful: 45%
- Very helpful: 37%

**School level training**
- Not at all helpful OR Not very helpful: 30%
- Somewhat helpful: 47%
- Very helpful: 18%

Average Responses per Item: 148

*Figure 42, 44: Questions added in AY 2013-2014.*
*Figure 43: Question was phrased differently beginning in AY 2013-2014.*
Figure 45: Which of the following teaching experiences have you had while a doctoral student at Penn? Check all that apply.

- 9) I held office hours, meeting with students individually: 59%
- 2) I was a grader for a course and also met with students during office hours: 48%
- 3) I led review sessions for groups of students: 45%
- 6) I taught a section of a course as a teaching assistant: 30%
- 5) I led semester-long discussion sections: 25%
- 4) I led semester-long labs: 17%
- 1) I was a grader for a course with little or no student contact: 15%
- 7) I taught or co-taught an independent seminar as a teaching assistant: 8%
- 8) I co-taught a course: 7%

Responses: 460

Figure 45: Question added in AY 2013-2014.
Figure 46: Percent of respondents who served as Research Assistants (RA) during their doctoral studies.

Responses: 440

Figure 47: How helpful was this experience with respect to your professional development and training?

Responses: 206

(Mean=3.58, Std=0.766)

Figure 48: How many semesters were you a Research Assistant (RA)?

Responses: 211

(Mean=5.8, Std=3.4)

Figure 46: Questions added in AY 2013-2014.

Figure 48: Response categories were modified beginning in AY 2013-2014.
Figure 49: What are your immediate professional plans?

- 5) Found a job: 58%
- 3) Seeking a position but no specific prospects: 18%
- 6) Other: 9%
- 2) Pursuing another degree: 7%
- 4) Negotiating with one or more organizations: 5%
- 1) Returning or continuing in my predoctoral employment: 4%

Responses: 440

Figure 50: If you have OBTAINED a position, which best describes your position?

- 2) Postdoctoral fellow/trainee: 35%
- 8) Non-academic position: 26%
- 3) Tenure-track faculty: 22%
- 4) Non-tenure-track faculty: 9%
- 5) Researcher at center/lab/institute: 6%
- 7) Other academic position: 2%
- 6) Administrative academic position: 0%

Responses: 254

Figure 50: 'Non-academic position' category is included in AY 2013-2014 report.
Figure 51: If you have OBTAINED a position, is your position in the field of your academic training?

- Yes: 87%
- No: 3%
- Don't know: 5%

Responses: 255

Figure 52: If you have OBTAINED a position, do you feel this position is consistent with your long-term professional goals?

- Yes: 92%
- No: 3%
- Don’t know: 5%

Responses: 255

Figure 53: Employer by category.

1) Research university, doctoral-granting: 55%
2) University, masters-granting: 4%
3) College, four-year: 4%
4) Junior college/community college: 0%
5) Non-profit institution/organization: 6%
6) National or federal government: 4%
7) State or local government: 2%
8) Business/industry: 25%
9) Other: 2%
2013-14 Ph.D. Exit Survey: Future - Students who have OBTAINED an academic position

Group: University of Pennsylvania
Comparison (Comp): University of Pennsylvania

Table 1: Top Five Employers Name.

<table>
<thead>
<tr>
<th>Employers Name</th>
<th>Number Employed</th>
</tr>
</thead>
<tbody>
<tr>
<td>University of Pennsylvania</td>
<td>25</td>
</tr>
<tr>
<td>University of California, Berkeley</td>
<td>6</td>
</tr>
<tr>
<td>New York University</td>
<td>5</td>
</tr>
<tr>
<td>Princeton University</td>
<td></td>
</tr>
<tr>
<td>University of Chicago</td>
<td></td>
</tr>
</tbody>
</table>

Location of Top Five Employers WITHIN the USA.

<table>
<thead>
<tr>
<th>State</th>
<th>Number Employed in each State</th>
</tr>
</thead>
<tbody>
<tr>
<td>Pennsylvania</td>
<td>48</td>
</tr>
<tr>
<td>California</td>
<td>22</td>
</tr>
<tr>
<td>New York</td>
<td>21</td>
</tr>
<tr>
<td>Massachusetts</td>
<td>12</td>
</tr>
<tr>
<td>New Jersey</td>
<td>12</td>
</tr>
</tbody>
</table>

Location of Employers OUTSIDE the USA.

<table>
<thead>
<tr>
<th>Country</th>
<th>Number Employed in each Country</th>
</tr>
</thead>
<tbody>
<tr>
<td>Canada</td>
<td>4</td>
</tr>
<tr>
<td>South Africa</td>
<td></td>
</tr>
<tr>
<td>United Kingdom</td>
<td></td>
</tr>
<tr>
<td>China</td>
<td></td>
</tr>
<tr>
<td>England</td>
<td></td>
</tr>
</tbody>
</table>

Results shown only when N is greater than 3.
Figure 55: If you are SEARCHING for a position during the next year, which best describes that position?

- 2) Postdoctoral fellow/trainee: 27%
- 1) I am not yet sure: 24%
- 8) Non-academic position: 23%
- 5) Researcher at center/lab/institute: 10%
- 3) Tenure-track faculty: 7%
- 4) Non-tenure-track faculty: 4%
- 6) Administrative academic position: 4%
- 7) Other academic position: 1%

Responses: 103

Figure 56: If you are SEARCHING for a position during the next year, in what sector do you hope to obtain a job?

- 1) Research university, doctoral-...: 33%
- 8) Business/industry: 29%
- 3) College, four-year: 10%
- 9) Other: 10%
- 5) Non-profit institution/organization: 8%
- 6) National or federal government: 7%
- 2) University, masters-granting: 2%
- 7) State or local government: 1%
- 4) Junior college/community college: 0%

Responses: 100

Figure 55: 'Non-academic position' category is included in AY 2013-2014 report.
Figure 57: Please rate your overall satisfaction with each of the following:

6) Overall experience
(Mean=4.04, Std=0.887)

4) Overall academic experience
(Mean=4.04, Std=0.936)

3) Overall quality of graduate-level teaching
(Mean=3.92, Std=0.951)

8) Preparation for candidacy/comprehensive examinations (coursework, seminars, labs, reading courses, etc.)
(Mean=3.91, Std=0.959)

5) Overall student life experience
(Mean=3.9, Std=1.024)

1) Graduate Group advising
(Mean=3.83, Std=1.058)

2) Quality of graduate-level courses
(Mean=3.82, Std=1.007)

7) The opportunities to collaborate across disciplines
(Mean=3.76, Std=1.003)

Average Responses per Item: 402

Figure 57: Response categories were changed beginning in AY 2013-2014.
2013-14 Ph.D. Exit Survey: Satisfaction

Group: University of Pennsylvania
Comparison (Comp): University of Pennsylvania

Figure 58: Please rate the adequacy of support you were provided during your graduate education and dissertation research in the following areas:

- **5) Laboratory, clinical, or studio facilities**  
  (Mean=4.23, Std=1.042)

- **4) Library and electronic resources**  
  (Mean=3.63, Std=0.927)

- **1) Financial support**  
  (Mean=3.53, Std=0.962)

- **2) Computer resources/Information Technology (IT)**  
  (Mean=3.51, Std=0.952)

- **3) Personal work space [e.g., desk, office]**  
  (Mean=3.2, Std=1.17)

Figure 58: Response categories were changed beginning in AY 2013-2014.
Figure 59: Response categories were changed beginning in AY 2013-2014.

2013-14 Ph.D. Exit Survey: Satisfaction

Group: University of Pennsylvania
Comparison (Comp): University of Pennsylvania

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

1) Pursue a Ph.D. again? 88%
2) Pursue Ph.D. at Penn again? 86%
3) Recommend Penn to someone considering your field of study? 90%

Responses: 434

Figure 60: This decision is primarily based upon:

1) Graduate group experience 50%
2) Penn experience 23%
3) Current employment opportunities in your field 8%
4) Prospects of future opportunities and earnings 11%
5) New interests in some other field 4%
6) Other 4%

Responses: 434

Question 60a: The decision NOT to PURSUE a Ph.D at Penn again is primarily based upon:

1) Graduate group experience 48%
2) Penn experience 16%
3) Current employment opportunities in your field 8%
4) Prospects of future opportunities and earnings 11%
6) Other 8%

Responses: 5
Figure 61: How often have you had conversations with Penn colleagues (students and post docs) who differ from you...

- **3) in nationality**
  - (Mean=3.41, Std=0.801)
  - Never or rarely OR Occasionally: 2%
  - Often OR Very often: 59%
  - Percent Responding: 1%
  - Don't know: 1%

- **2) in race or ethnicity**
  - (Mean=3.34, Std=0.813)
  - Never or rarely OR Occasionally: 3%
  - Often OR Very often: 53%
  - Percent Responding: 1%
  - Don't know: 1%

- **5) in religious beliefs**
  - (Mean=3.2, Std=0.899)
  - Never or rarely OR Occasionally: 4%
  - Often OR Very often: 48%
  - Percent Responding: 16%
  - Don't know: 1%

- **4) in sexual orientation**
  - (Mean=3.09, Std=0.953)
  - Never or rarely OR Occasionally: 6%
  - Often OR Very often: 45%
  - Percent Responding: 11%
  - Don't know: 1%

- **7) in economic backgrounds**
  - (Mean=2.99, Std=0.963)
  - Never or rarely OR Occasionally: 8%
  - Often OR Very often: 38%
  - Percent Responding: 21%
  - Don't know: 1%

- **1) in academic discipline (i.e., graduate programs)**
  - (Mean=2.93, Std=0.946)
  - Never or rarely OR Occasionally: 6%
  - Often OR Very often: 35%
  - Percent Responding: 0%
  - Don't know: 1%

- **6) in political beliefs**
  - (Mean=2.69, Std=1.033)
  - Never or rarely OR Occasionally: 14%
  - Often OR Very often: 29%
  - Percent Responding: 18%
  - Don't know: 1%

Average Responses per Item: 437
Figure 62: Indicate how strongly do you agree or disagree with each of the following statements:

5) Students are respected here regardless of sexual orientation
   (Mean=3.4, Std=0.552)

6) Students are respected here regardless of gender
   (Mean=3.35, Std=0.631)

1) I feel free to express my political beliefs on campus
   (Mean=3.34, Std=0.659)

2) I feel free to express my religious beliefs on campus
   (Mean=3.31, Std=0.659)

4) Students are respected here regardless of race or ethnicity
   (Mean=3.29, Std=0.689)

3) Students are respected here regardless of economic or social class
   (Mean=3.15, Std=0.756)

Average Responses per Item: 437

Percent Responding
Don't know

Strongly Disagree OR Disagree
Agree OR Strongly Agree
Figure 63: What is your impression of the Penn Community?

![Graph showing the percentage of respondents for each impression category (Not at All, A little, Moderately, Very).]

- Competitive (Mean=3.31, Std=0.715)
- Safe (Mean=3.26, Std=0.704)
- Welcoming (Mean=3.24, Std=0.732)
- Diverse (Mean=3.13, Std=0.792)

Average Responses per Item: 434

Figure 64: To what extent do you agree or disagree with each of the following statements?

![Graph showing the percentage of respondents for each agreement level (Strongly disagree, Disagree, Neither, Agree, Strongly agree).]

1) Students in my program are treated with respect by faculty (Mean=3.91, Std=0.909)
2) The intellectual climate of my program is positive (Mean=4.07, Std=0.864)
3) The social climate of my program is positive (Mean=3.91, Std=0.987)
4) Students in my program are collegial (Mean=4.2, Std=0.768)

Average Responses per Item: 436

Figure 64: Question added in AY 2013-2014.