Alliance for Graduate Education and Professoriate (AGEP)

Report on Data and Upcoming Data Collection
(The News is Good)

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Annual Average Changes in STEM PhD Recipients:
Pre-AGEP (1997-98 to 1999-00) to Mid-AGEP (2003-04 to 2004-05)

-25%
-20%
-15%
-10%
-5%
0%
5%
10%
15%
20%
25%

All STEM (N=62)
Natural Sciences/Eng (N=62)
Eng/Computer Sciences (N=58)
Bio/Ag Sciences (N=51)
Physical Sciences (N=55)
Mathematics (N=50)
Social Sciences (N=46)
Psychology (N=46)

Under-represented US Students
All Other US Students
## Annual Average Changes in STEM PhD Recipients

Pre-AGEP (1997-98 to 1999-00), Early AGEP (2000-01 to 2002-03), Mid-AGEP (2003-04 to 2004-05)

<table>
<thead>
<tr>
<th></th>
<th>Pre-AGEP</th>
<th>Early AGEP</th>
<th>Mid-AGEP</th>
<th>Pre/Mid Change</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>All URM</strong></td>
<td>546</td>
<td>568</td>
<td>602</td>
<td>56 (10.3%)</td>
</tr>
<tr>
<td>(including UC)</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>UC URM</strong></td>
<td>143</td>
<td>152</td>
<td>147</td>
<td>4 (2.8%)</td>
</tr>
<tr>
<td><strong>Other US Students</strong></td>
<td>5,841</td>
<td>5,330</td>
<td>5,478</td>
<td>-363 (-6.2%)</td>
</tr>
<tr>
<td>(including UC)</td>
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</tr>
</tbody>
</table>
### Annual Average Changes in STEM PhD Recipients by Sex

Pre-AGEP (1997-98 to 1999-00), Early AGEP (2000-01 to 2002-03), Mid-AGEP (2003-04 to 2004-05)

<table>
<thead>
<tr>
<th></th>
<th>Pre-AGEP</th>
<th>Early AGEP</th>
<th>Mid-AGEP</th>
<th>Pre/Mid Change</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>F</td>
<td>M</td>
<td>F</td>
<td>M</td>
</tr>
<tr>
<td>African American</td>
<td>574</td>
<td>480</td>
<td>638</td>
<td>529</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
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</tr>
<tr>
<td>Hispanic</td>
<td>430</td>
<td>545</td>
<td>508</td>
<td>608</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>American Indian/ Native Alaskan</td>
<td>50</td>
<td>49</td>
<td>59</td>
<td>61</td>
</tr>
<tr>
<td></td>
<td></td>
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</tr>
</tbody>
</table>
Annual Average Changes in ALL STEM Graduate Student Enrollees:
Pre-AGEP (1997-98 to 1999-00) to Mid-AGEP (2003-04 to 2004-05)

-5% 0% 5% 10% 15% 20% 25% 30% 35% 40% 45% 50%
All STEM (N=67)
Natural Sciences/Eng (N=66)
Eng/Comp/ter Sciences (N=64)
Bio/Ag Sciences (N=60)
Physical Sciences (N=63)
Mathematics (N=59)
Social Sciences (N=54)
Psychology (N=53)

Under-represented US Students
All Other US Students
Annual Average Changes in ALL STEM Graduate Student Enrollees

Pre-AGEP (1997-98 to 1999-00), Early AGEP (2000-01 to 2002-03), Mid-AGEP (2003-04 to 2004-05)

<table>
<thead>
<tr>
<th></th>
<th>Pre-AGEP</th>
<th>Early AGEP</th>
<th>Mid-AGEP</th>
<th>Pre/Mid Change</th>
</tr>
</thead>
<tbody>
<tr>
<td>All URM (including UC)</td>
<td>8,963</td>
<td>9,754</td>
<td>11,105</td>
<td>2,142</td>
</tr>
<tr>
<td>UC URM</td>
<td>1,519</td>
<td>1,678</td>
<td>2,068</td>
<td>549 (36.1%)</td>
</tr>
<tr>
<td>Other US Students</td>
<td>68,612</td>
<td>68,015</td>
<td>76,497</td>
<td>7,885 (11.5%)</td>
</tr>
</tbody>
</table>

N=67
Annual Average Changes in NEW Graduate Student Enrollees:
Pre-AGEP (1997-98 to 1999-00) to Mid-AGEP (2003-04 to 2004-05)
### Annual Average Changes in NEW STEM Graduate Student Enrollees

Pre-AGEP (1997-98 to 1999-00), Early AGEP (2000-01 to 2002-03), Mid-AGEP (2003-04 to 2004-05)

<table>
<thead>
<tr>
<th></th>
<th>Pre-AGEP</th>
<th>Early AGEP</th>
<th>Mid-AGEP</th>
<th>Pre/Mid Change</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>All URM</strong></td>
<td>2,105</td>
<td>2,377</td>
<td>2,657</td>
<td>552 (26.2%)</td>
</tr>
<tr>
<td>(including UC)</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>UC URM</strong></td>
<td>369</td>
<td>471</td>
<td>552</td>
<td>183 (49.6%)</td>
</tr>
<tr>
<td><strong>Other US</strong></td>
<td>15,307</td>
<td>16,375</td>
<td>17,895</td>
<td>2,588 (16.9%)</td>
</tr>
<tr>
<td><strong>Students</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>(including UC)</td>
<td></td>
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<td></td>
<td></td>
</tr>
</tbody>
</table>

N=61
AGEP Data Submission Overview: 1997-2006
(Ok This News Isn’t So Good)

80 institutions submitted data.

67 submitted data on All Enrollees from 1997-2006 but only 31 submitted data on PhD enrollees.


61 submitted data on New Enrollees from 1997-2006 but only 29 submitted data on new PhD enrollees.

18 submitted data on Advance to Candidacy from 1997-2006.

9 submitted data on post PhD plans of under-represented PhD recipients from 1997-2006.
Things We Need To Work On

• Increasing the number of institutions providing longitudinal data

• Finding out just how many of those 2,657 URM New Enrollees are in PhD programs

• Finding out just how many of those 11,105 URM Graduate Enrollees are in PhD programs

• Learning where UMR PhD recipients go.
AGEP 2007 Full Data Template Changes

Institutions new to AGEP need to provide data from the 1999-2000 academic year forward (as do any other AGEPs who haven’t already done so).

Social Sciences is now broken into four categories:
- Sociology
- Economics
- Political Sciences
- Other Social Sciences

Descriptions of the disciplinary areas can be found in the Survey of Earned Doctorates (SED) online
2007 AGEP Data Template: Not New But Needed

NEW Enrollees
   NEW Fall Enrollees.
   NEW Fall PhD Degree Enrollees ONLY.
   NEW Fall Masters Degree Enrollees ONLY.

ALL Enrollees
   ALL Fall Enrollees.
   ALL Fall PhD Degree Enrollees ONLY.
   ALL Fall Masters Degree Enrollees ONLY.

Post PhD Plans
Some Ways to Load the 2007 AGEP Data Template

Copy/Paste from Excel.

Copy/Paste from Access.

Use Microsoft Query in Excel.

Write Scripts (programs tightly coupled to software applications).

Data may need to be grouped, aggregated and sorted before these loading techniques can be used.
Next Steps

Template to Alliance Leaders: March 31, 2007

Data Due: July 15, 2007
(Cookies to the First Alliance)

Data Submission Summary: August 15, 2007
Introduction to Retention Tools/Data
(AKA PI/PD Meeting)

Report to NSF: November 15, 2008
Please remember

AGEP Data Due:

July 15, 2007