

Education and Employment of Biological and Medical Scientists

Data from National Surveys



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Kimberly McGuire
FASEB Office of Public Affairs

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 - First Time, Full Time Biological and Medical Sciences Graduate Students in Doctorate Granting Departments by Citizenship/Visa Status
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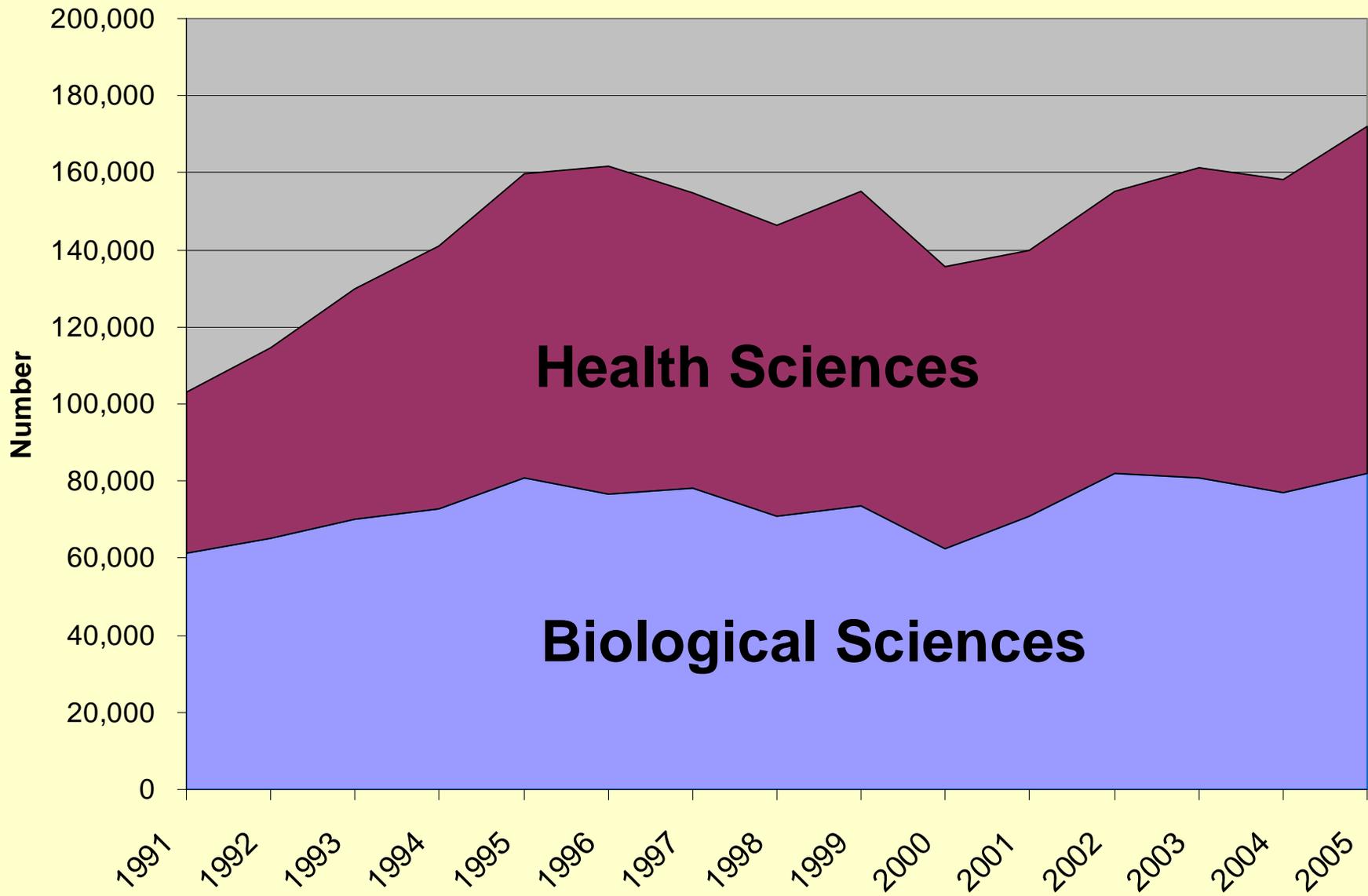
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 - Stay Rates for Temporary Residents with Life Science Doctorates
- Employment Status of Individuals with PhDs from US Institutions
 - Employment of Biomedical Science PhDs by Sector of Employment
 - Distribution of Biomedical Science PhDs by Sector of Employment
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- ❑ NIH Grant Applications and Awards
 - Average Age of First Time R01 Equivalent Investigators
 - Number of Competing Awards (Including First R01)

Graduate School Application

Graduate School Applications in Biological and Health Sciences

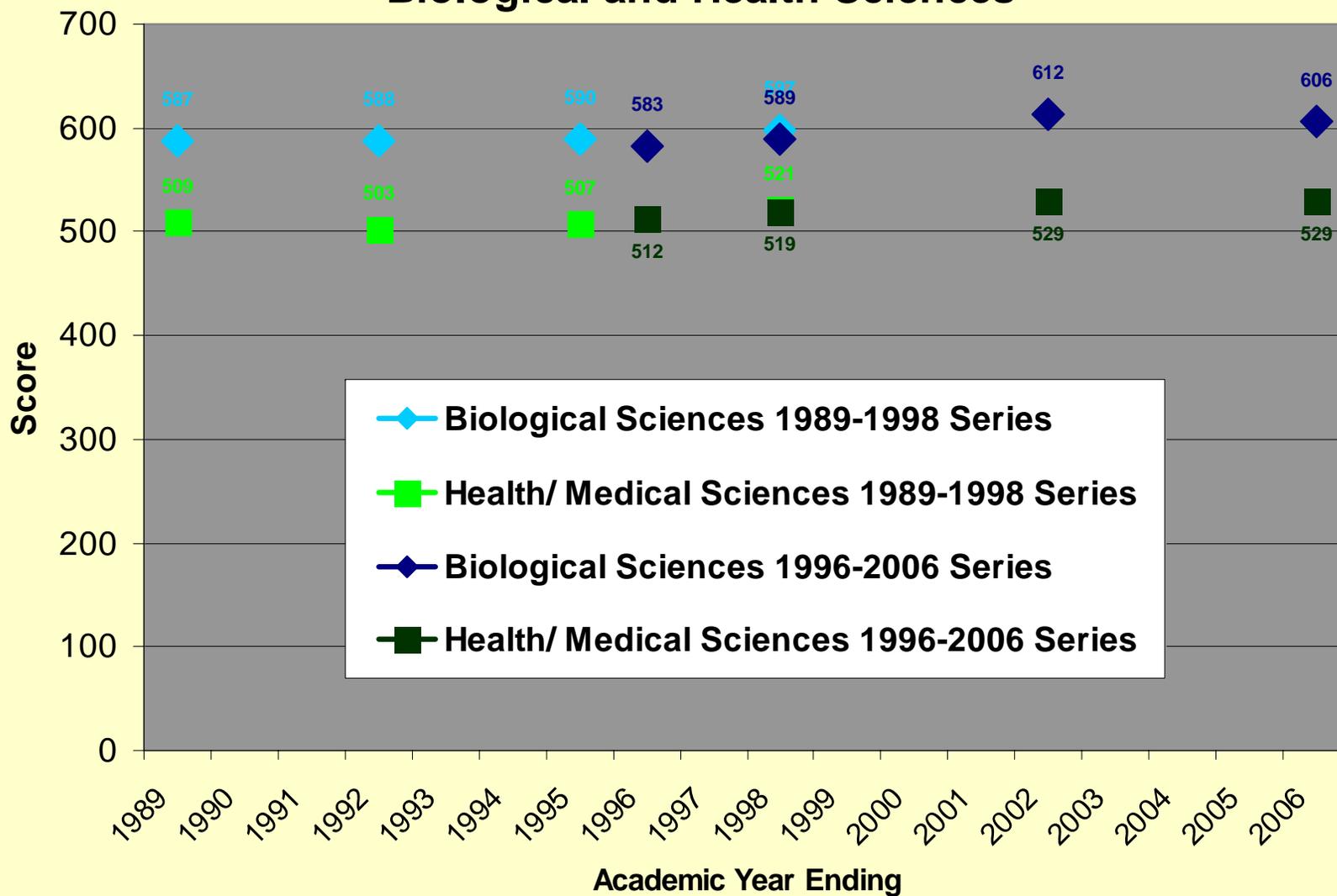


Source: <http://www.cgsnet.org/>

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Graduate Records Examination (GRE) Scores

Mean Quantitative Scores of US Citizens and Permanent Residents Intending to Enroll in Biological and Health Sciences

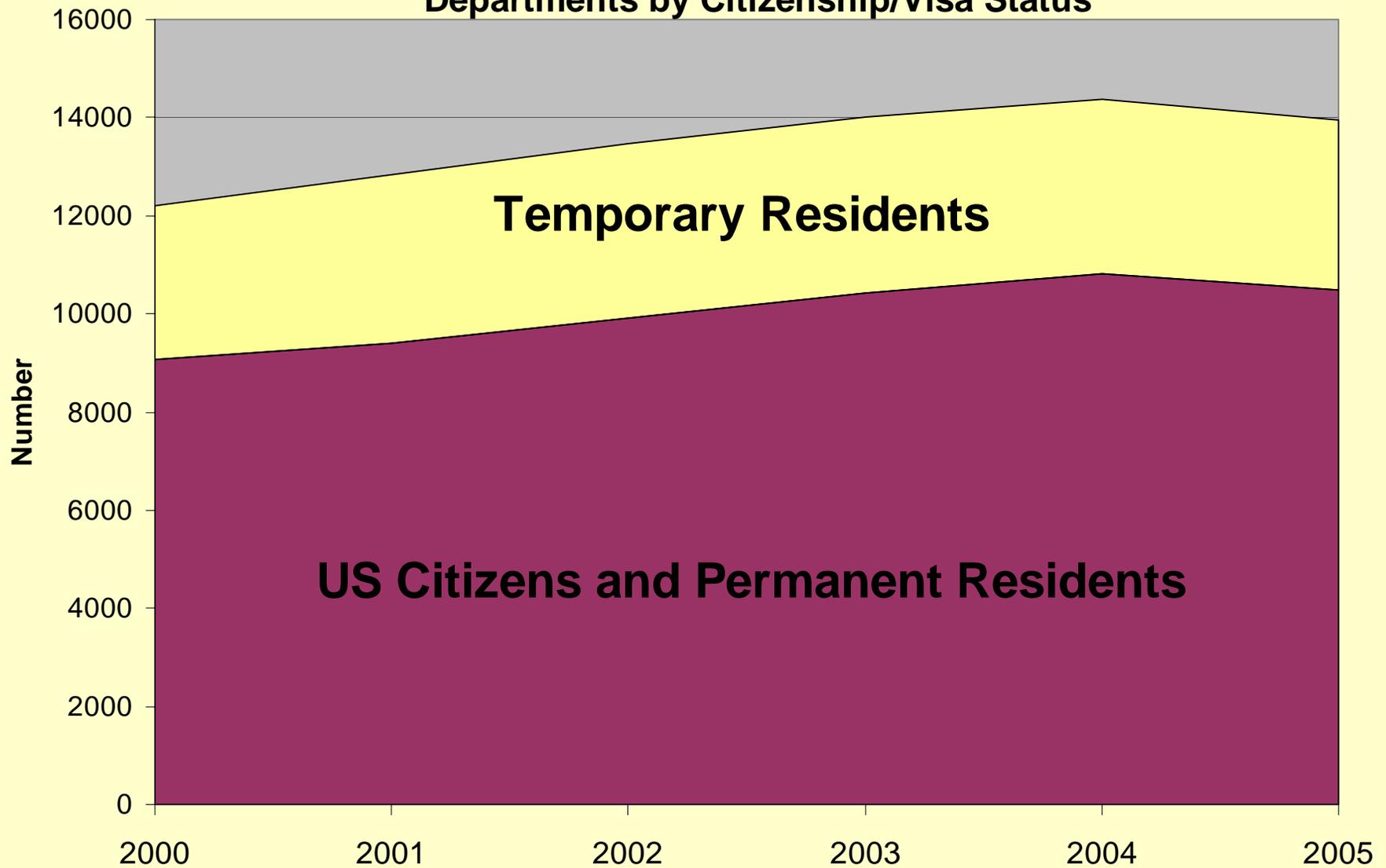


Source: <http://www.ets.org>

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Graduate School Enrollment

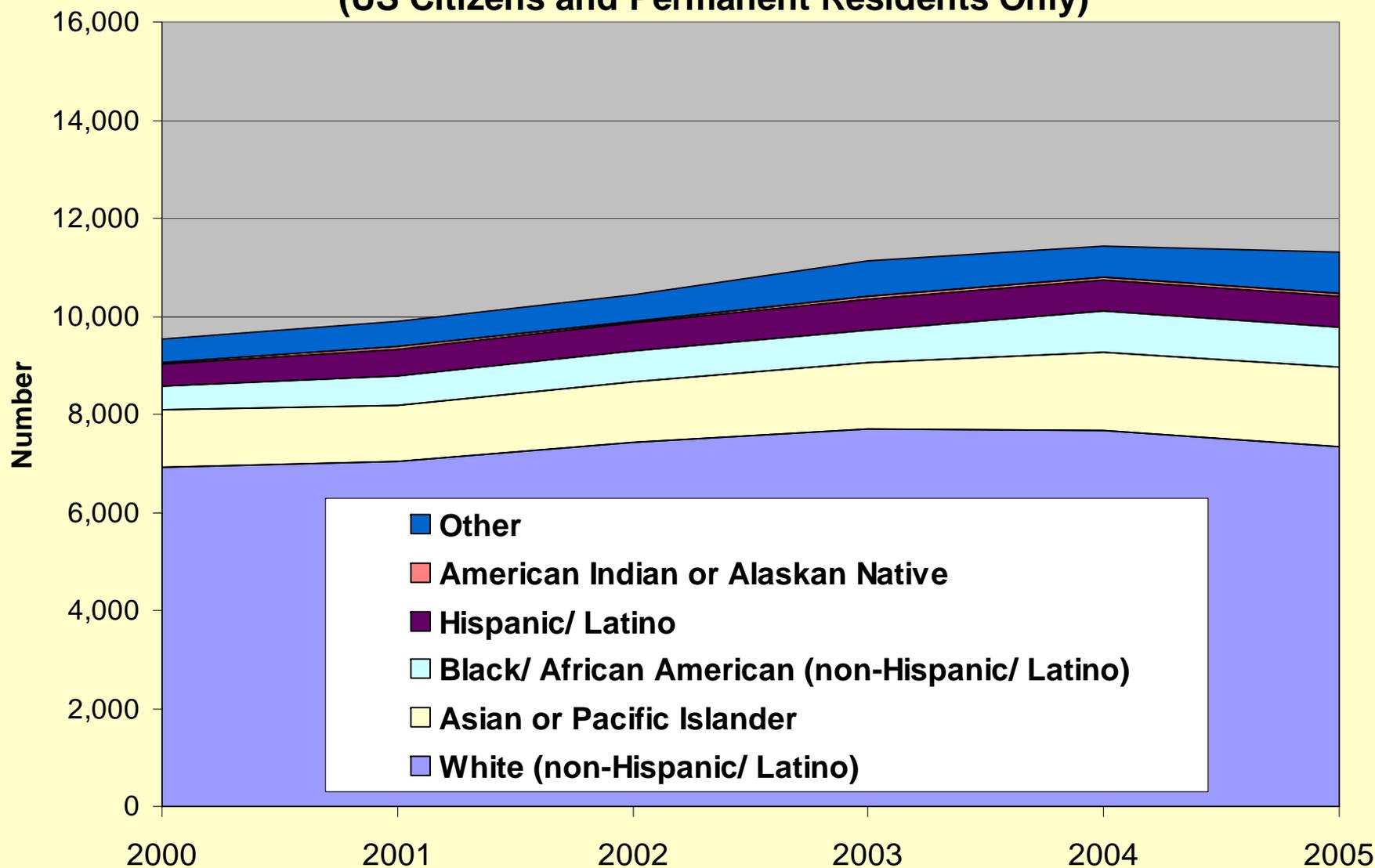
First Time, Full Time Biological and Medical Sciences Graduate Students in Doctorate Granting Departments by Citizenship/Visa Status



Source: <http://www.nsf.gov/statistics/gradpostdoc/>

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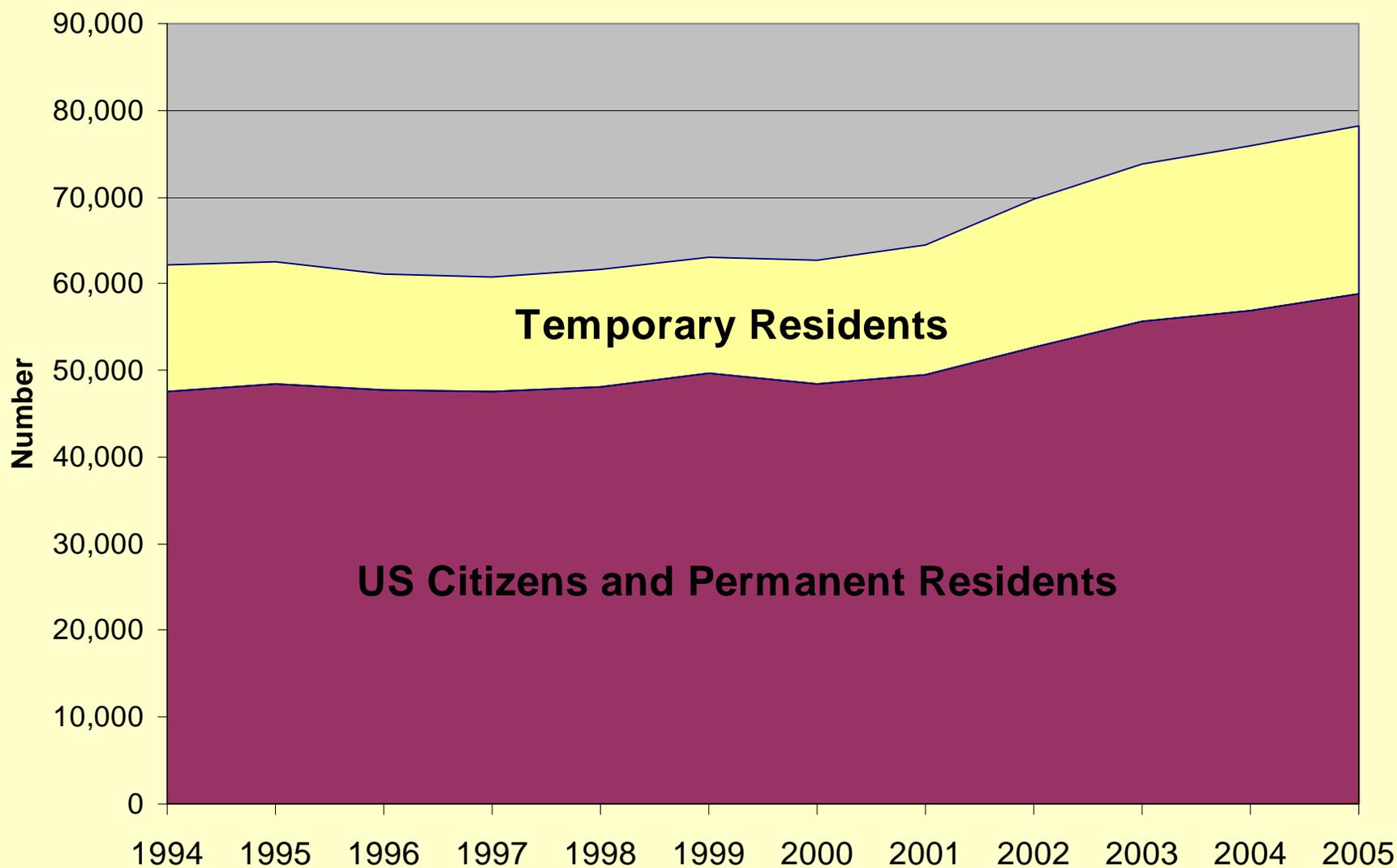
First Time, Full Time Biological and Medical Sciences Graduate Students in Doctorate Granting Departments by Ethnicity (US Citizens and Permanent Residents Only)



Source: <http://www.nsf.gov/statistics/gradpostdoc/>

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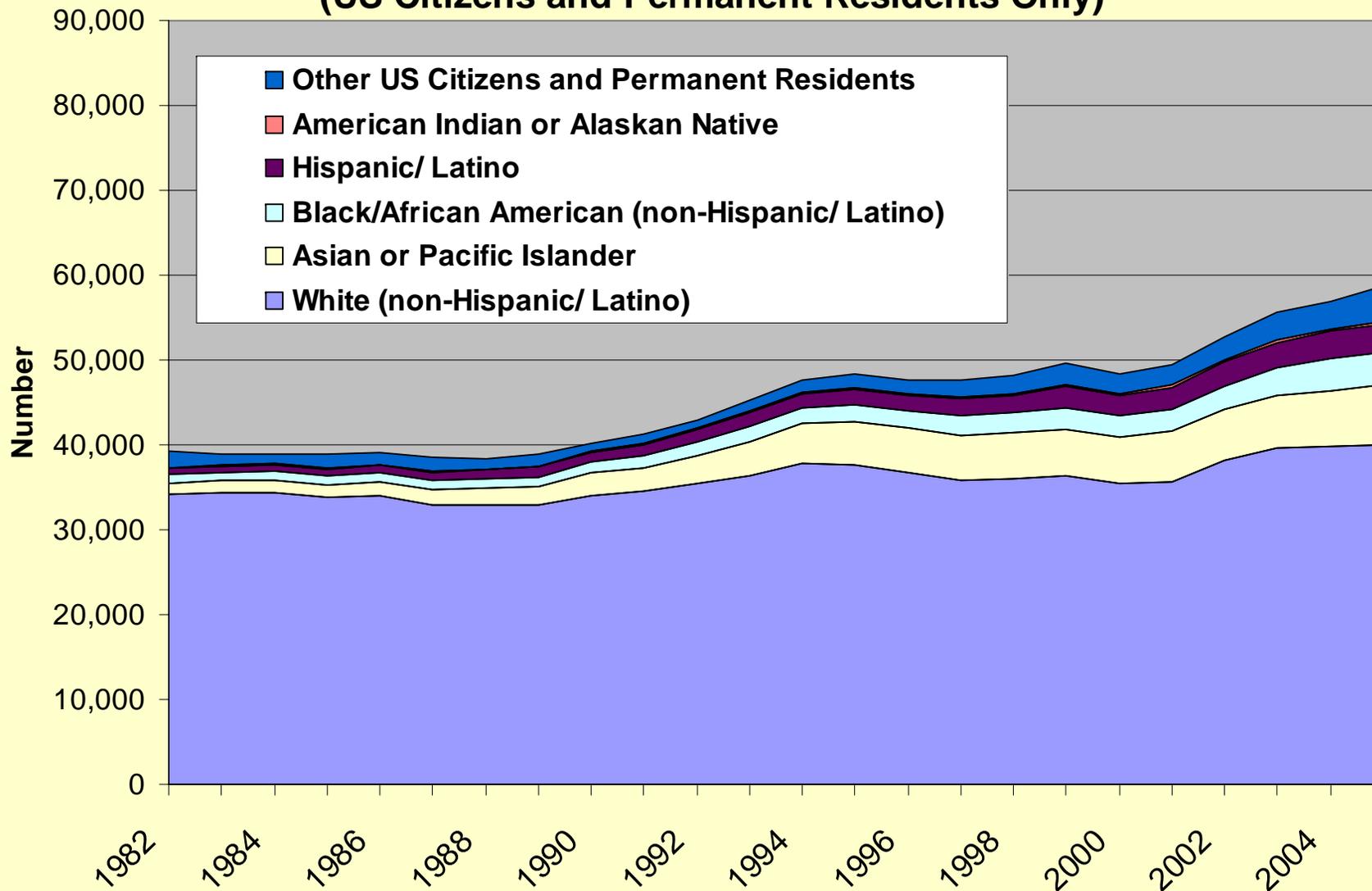
Total Biological and Medical Sciences Graduate Students in Doctorate Granting Departments by Citizenship/ Visa Status



Source: <http://www.nsf.gov/statistics/gradpostdoc/>

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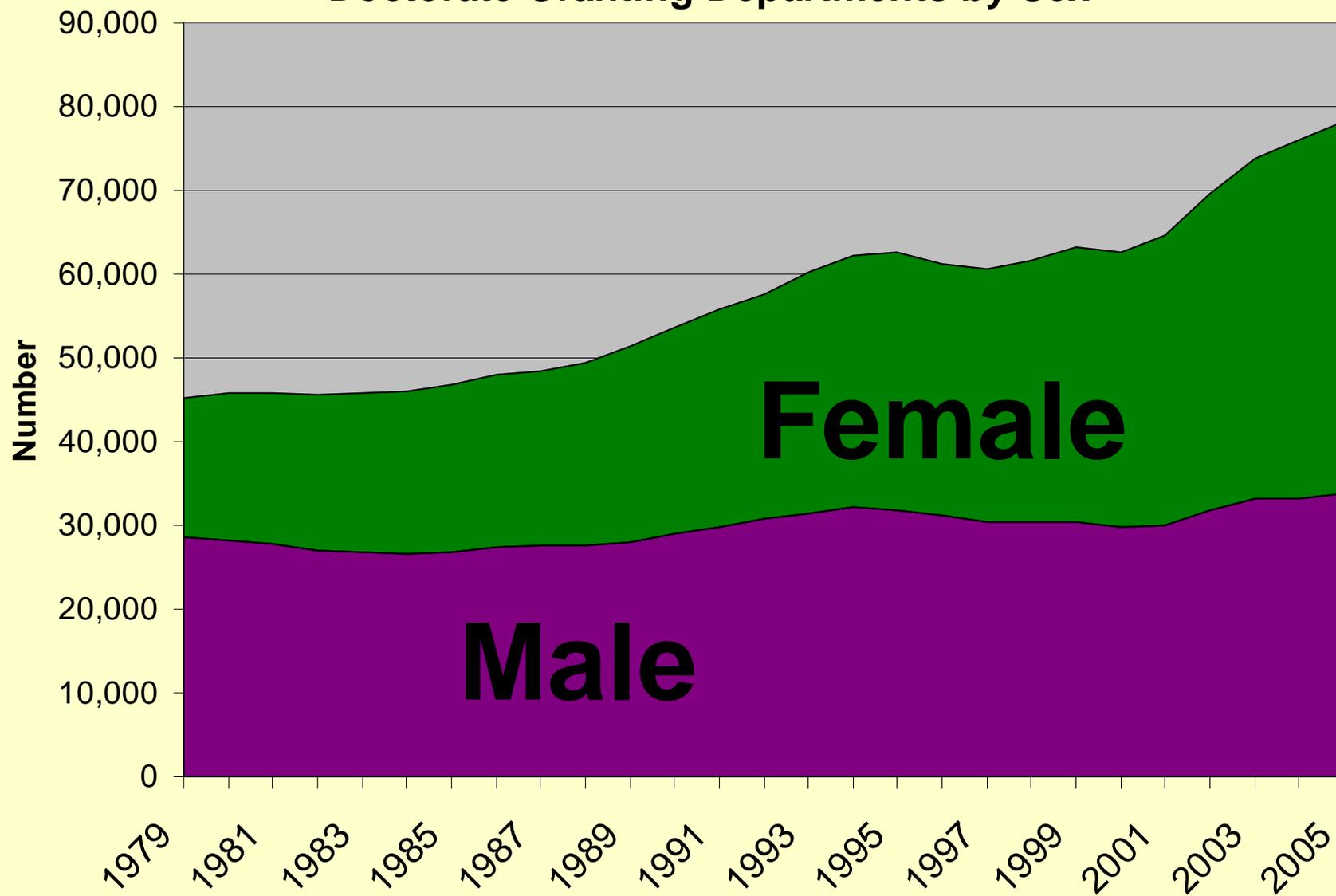
Total Biological and Medical Sciences Graduate Students in Doctorate Granting Departments by Ethnicity (US Citizens and Permanent Residents Only)



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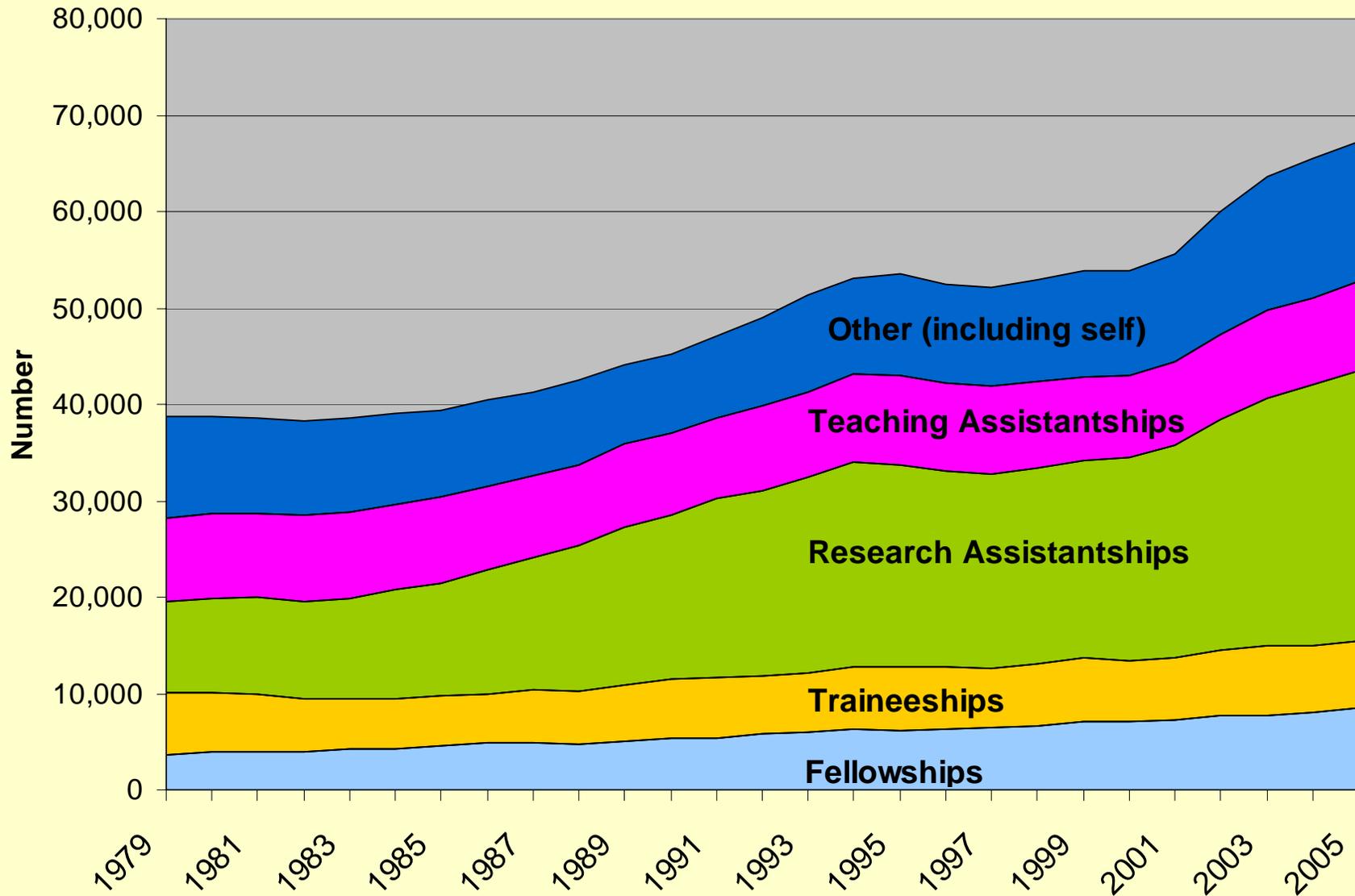
Total Biological and Medical Sciences Graduate Students in Doctorate Granting Departments by Sex



Source: <http://www.nsf.gov/statistics/gradpostdoc/>

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Full Time Biological and Medical Sciences Graduate Students in Doctorate Granting Departments by Mechanism of Support

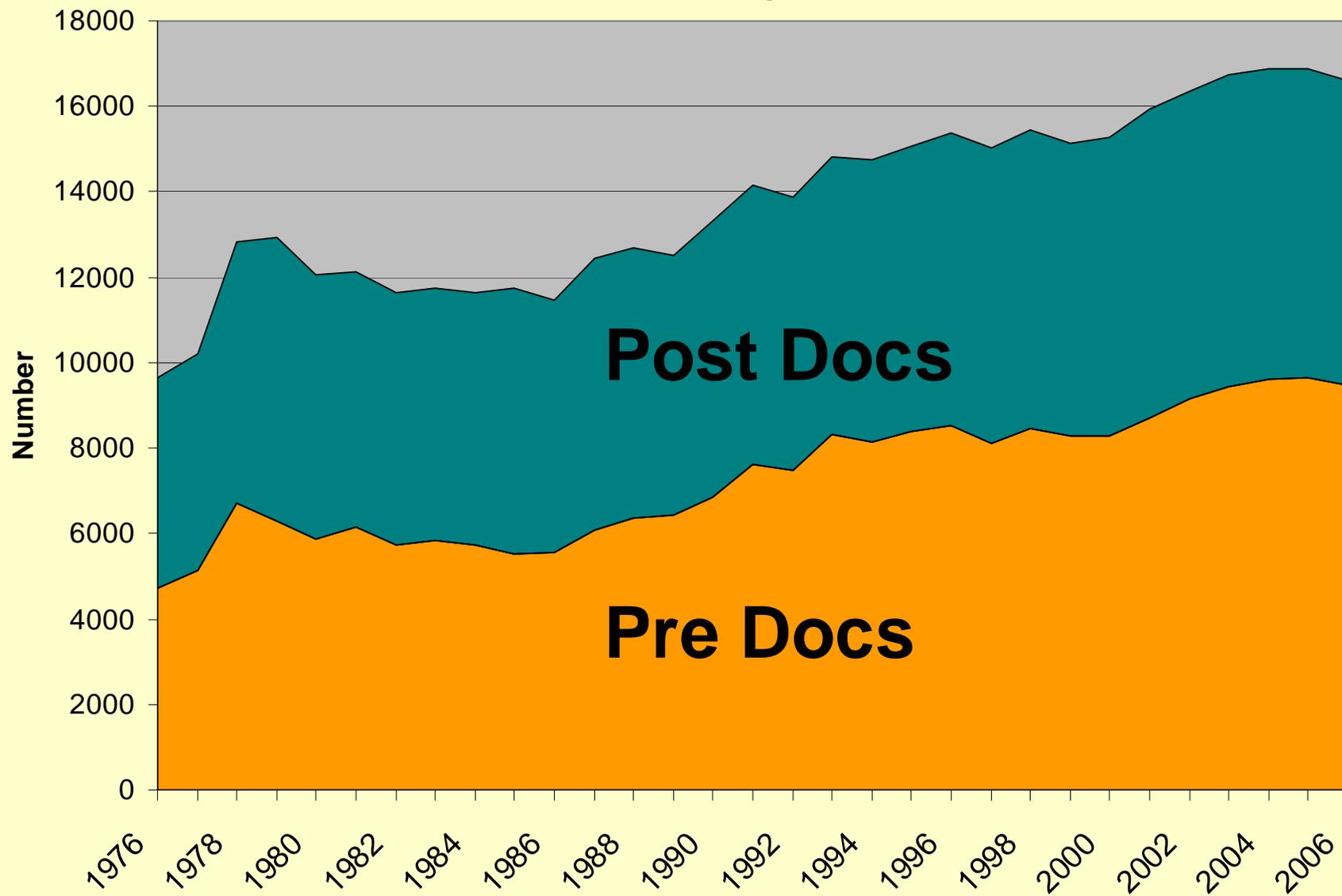


Source: <http://www.nsf.gov/statistics/gradpostdoc/>

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NIH Trainees and Fellows

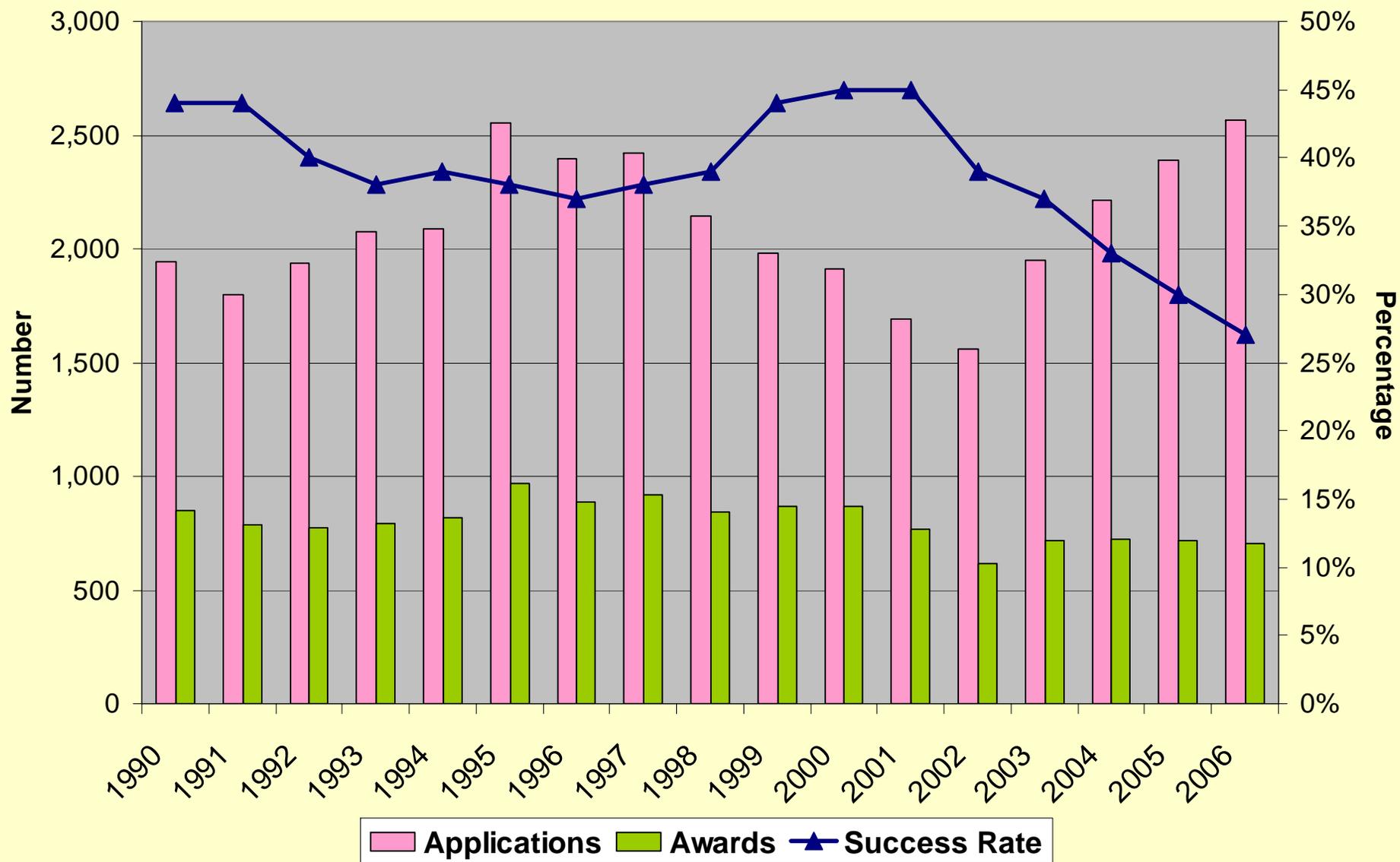
Pre-Doctoral and Post-Doctoral Positions on NIH Training Grants and Fellowships



Source: <http://grants1.nih.gov/grants/award/award.htm>

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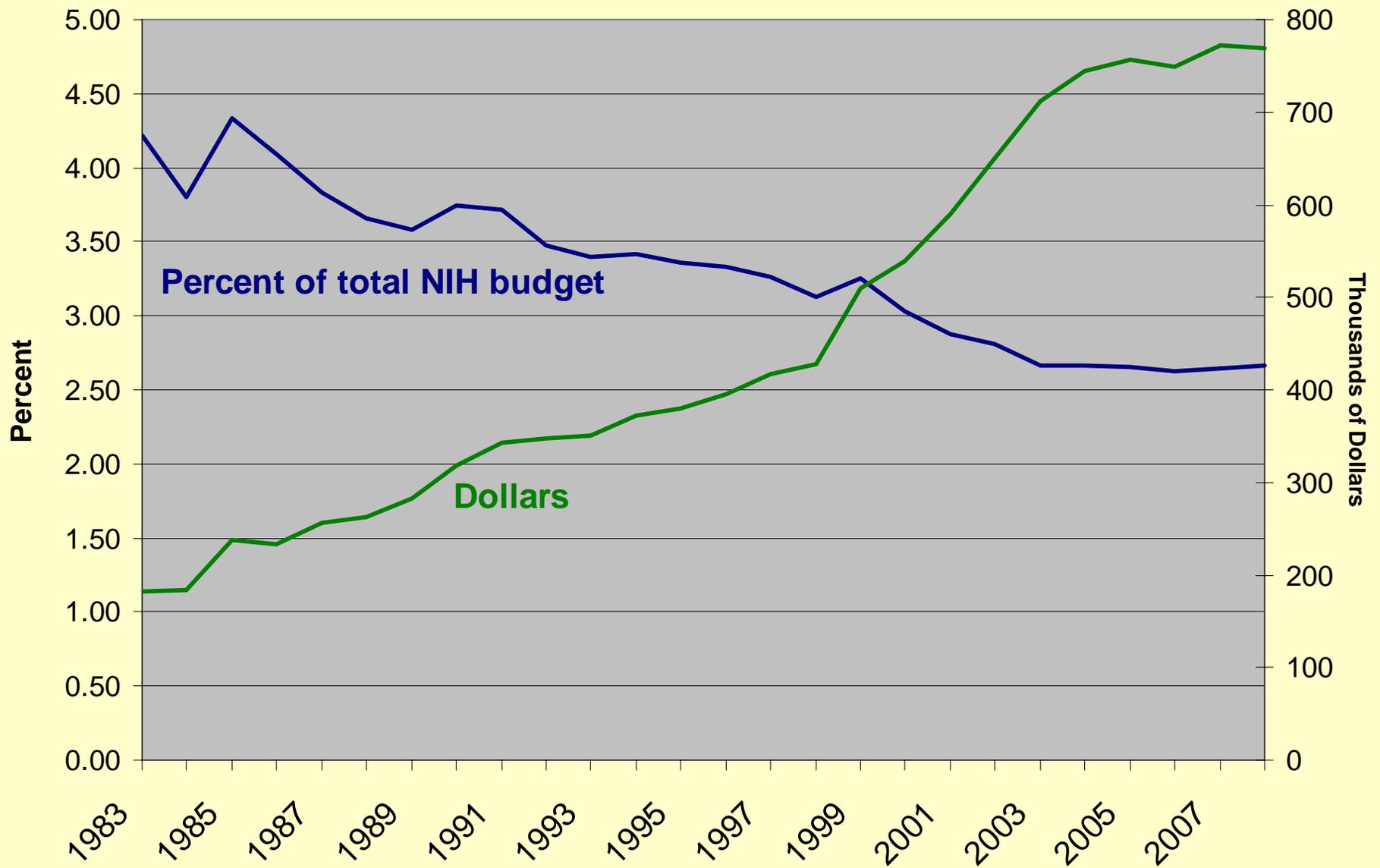
Fellowship (F32) Applications Reviewed and Awarded



Source: <http://grants1.nih.gov/grants/award/award.htm>

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NIH Spending on Training Grants and Fellowships

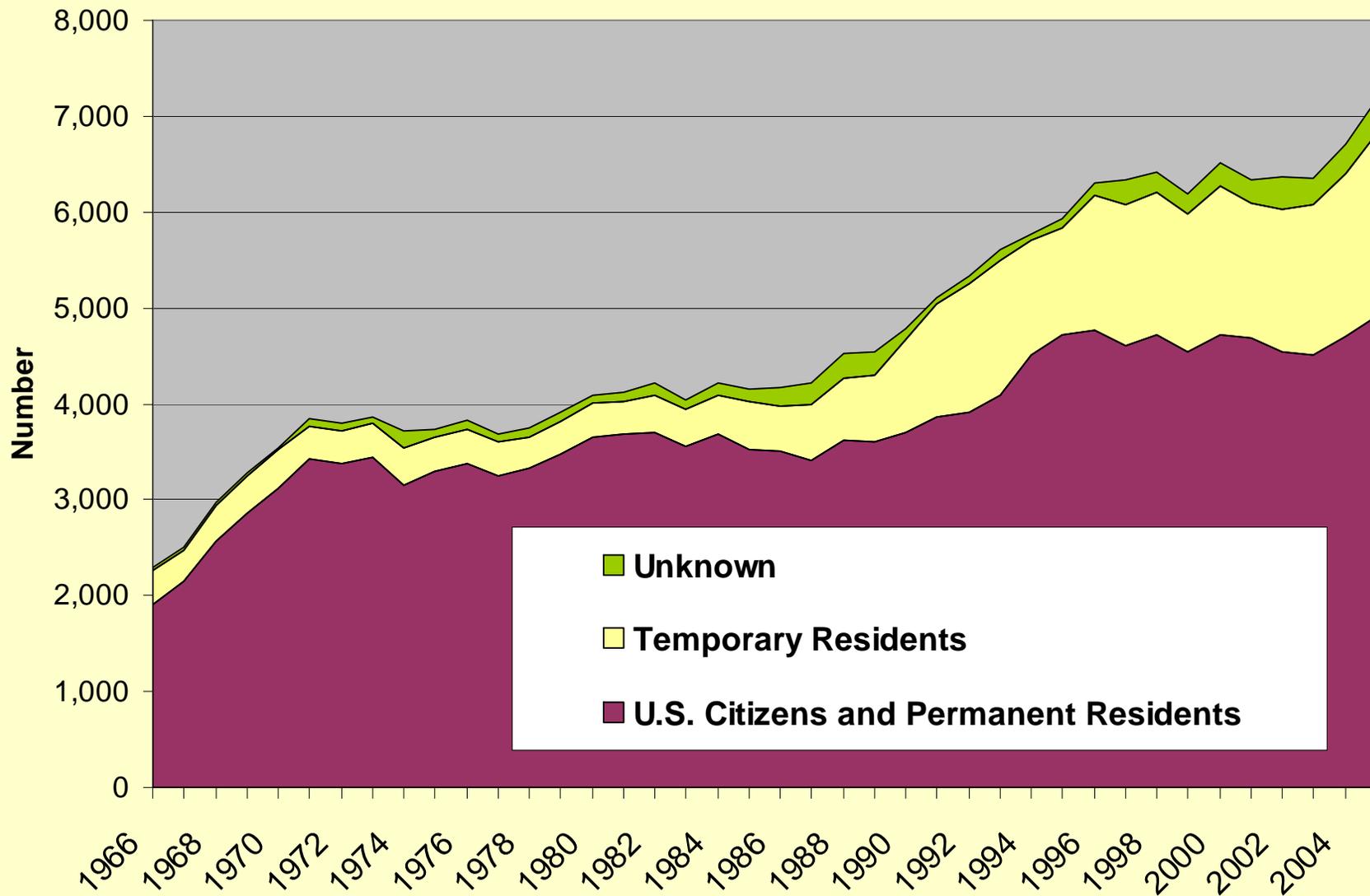


Source: <http://officeofbudget.od.nih.gov/UI/HistoricalBudgetRequests.htm>

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Doctorate Awards

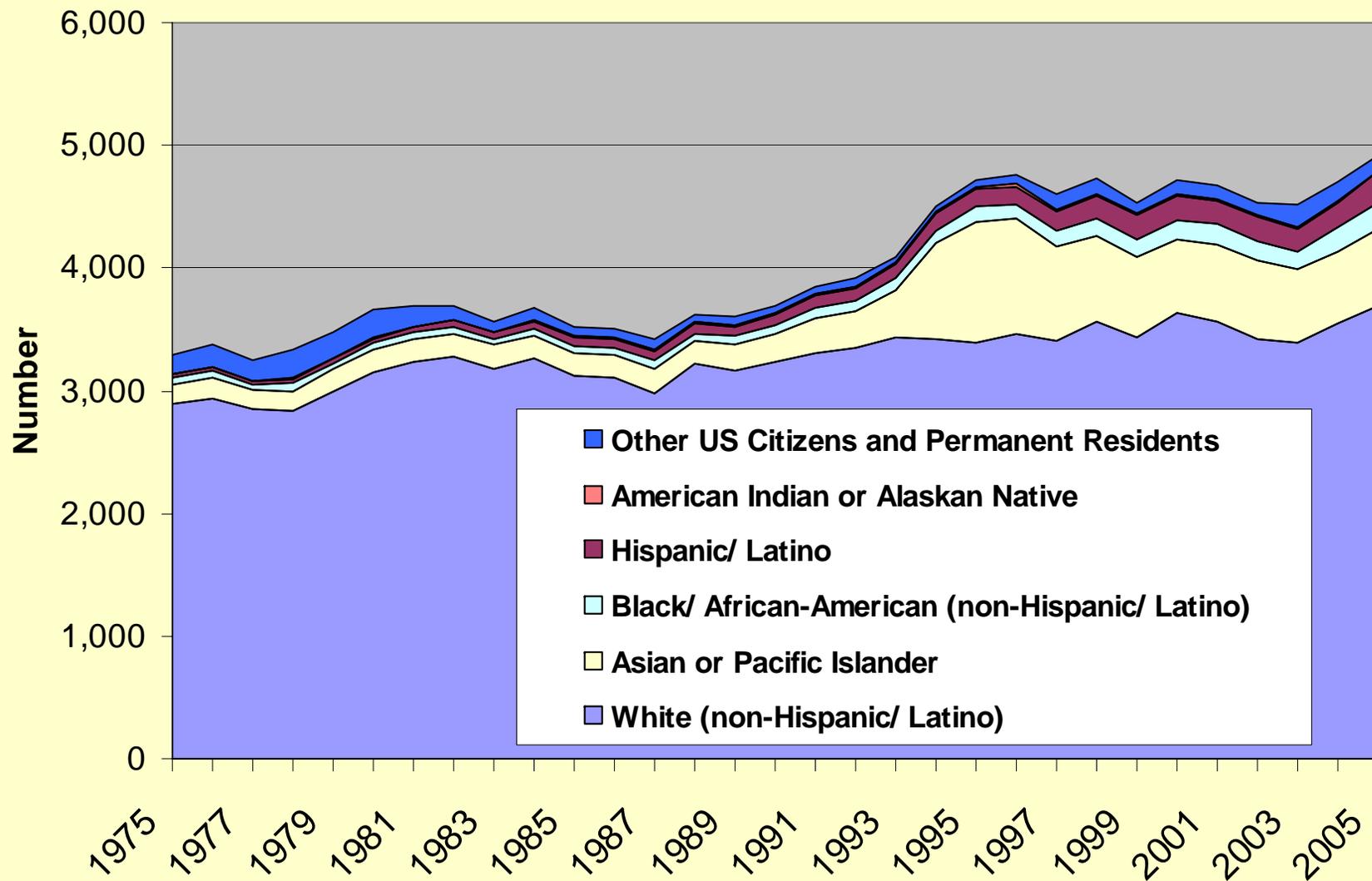
Doctorate Degrees Awarded in the Biological and Medical Sciences by Citizenship/ Visa Status



Source: <http://www.nsf.gov/statistics/doctorates/>

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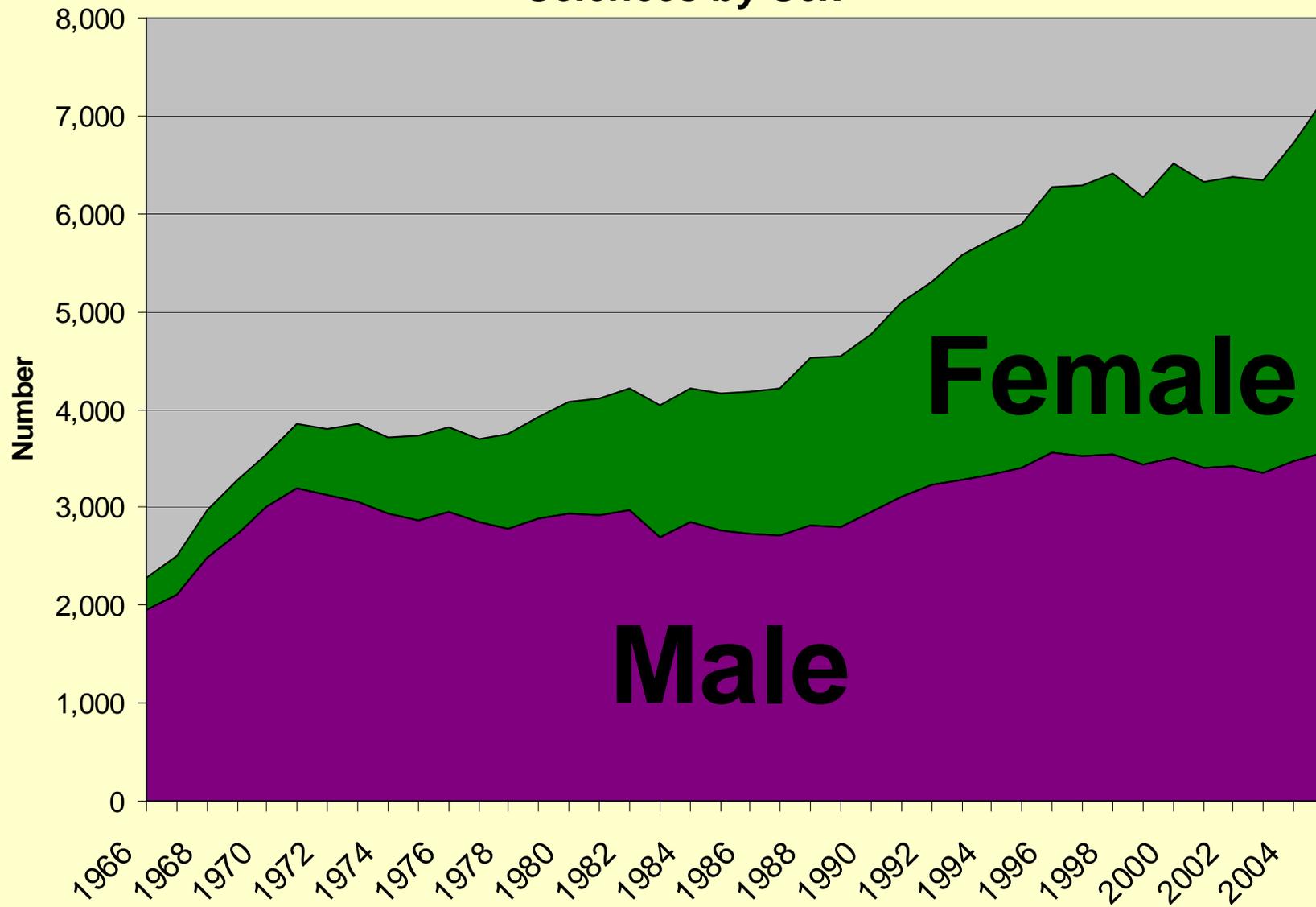
Doctorate Degrees Awarded in the Biological and Medical Sciences by Ethnicity (US Citizens and Permanent Residents Only)



Source: <http://www.nsf.gov/statistics/doctorates/>

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Doctorate Degrees Awarded in the Biological and Medical Sciences by Sex

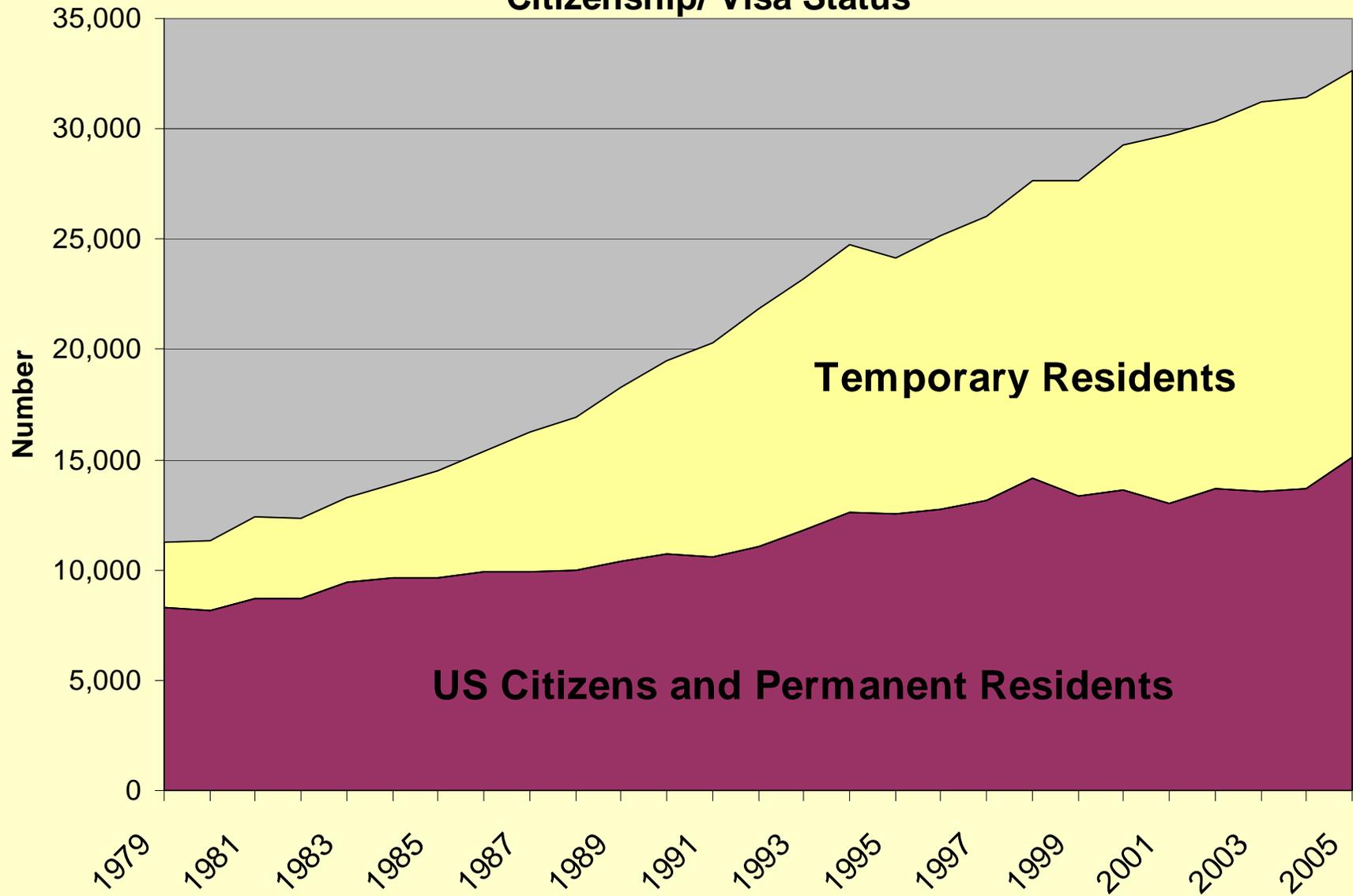


Source: <http://www.nsf.gov/statistics/doctorates/>

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Academic Postdoctoral Appointments

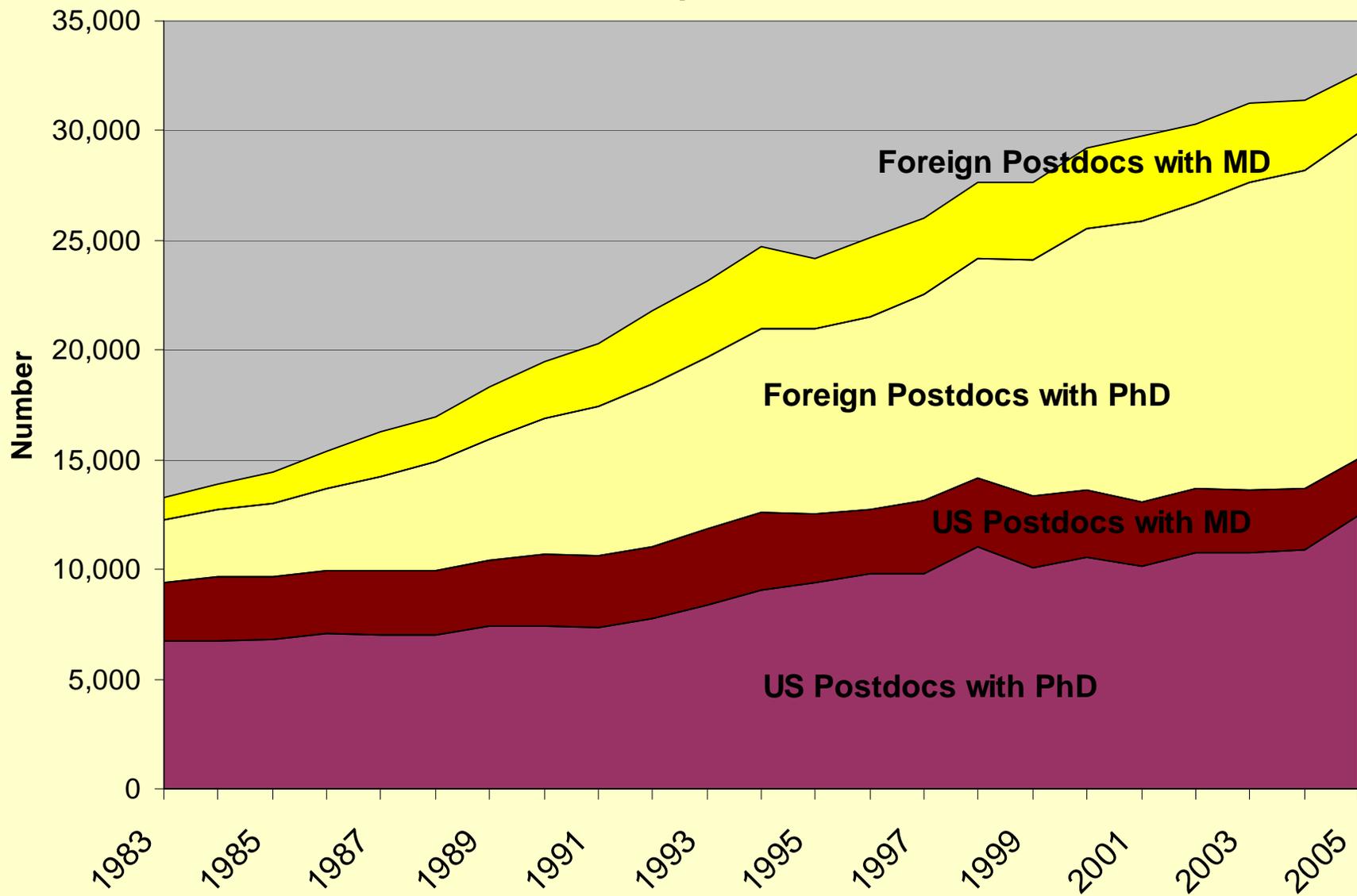
Biological and Medical Sciences Postdocs by Citizenship/ Visa Status



Source: <http://www.nsf.gov/statistics/gradpostdoc/>

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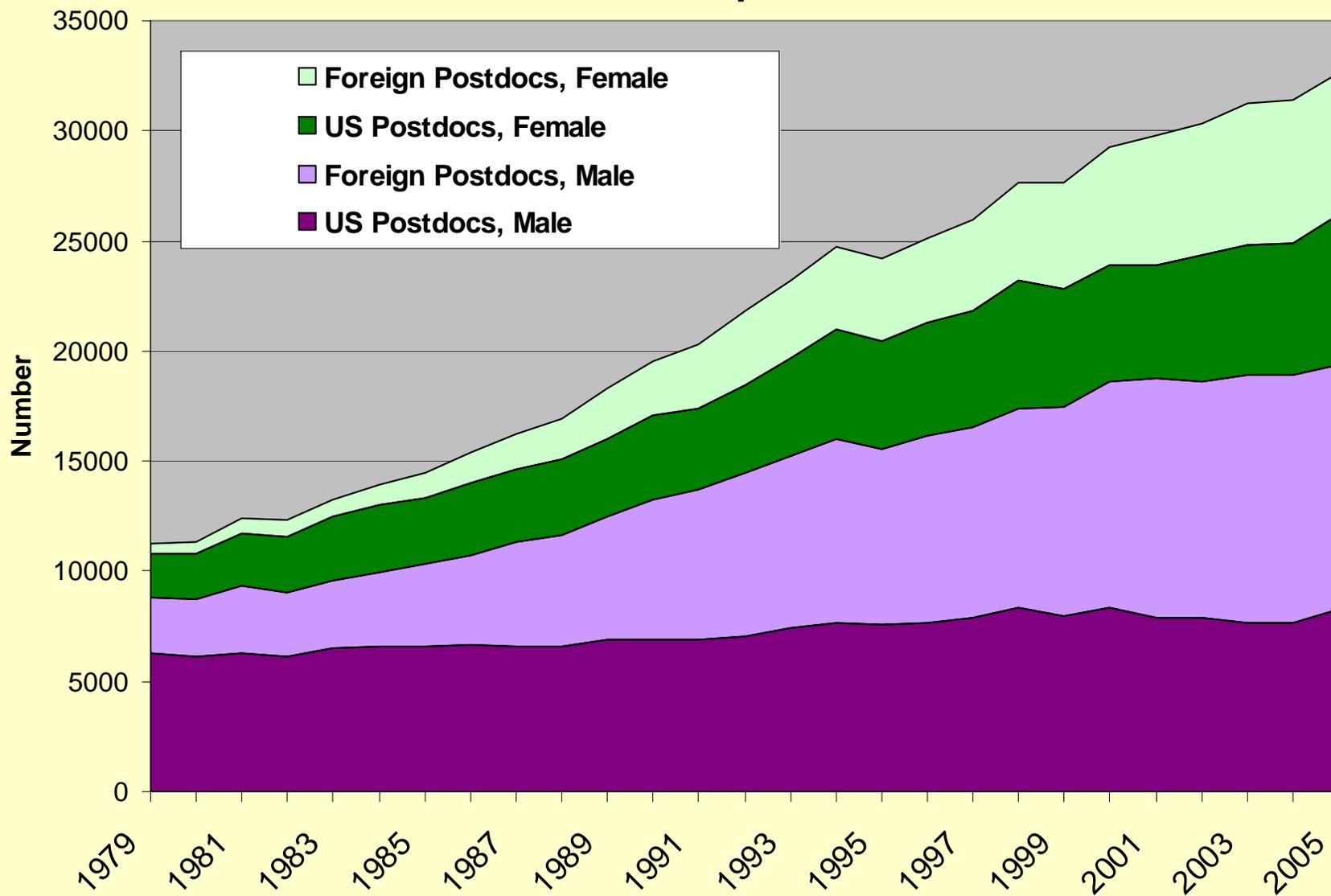
Biological and Medical Sciences Postdocs by Degree and Citizenship/ Visa Status



Source: <http://www.nsf.gov/statistics/gradpostdoc/>

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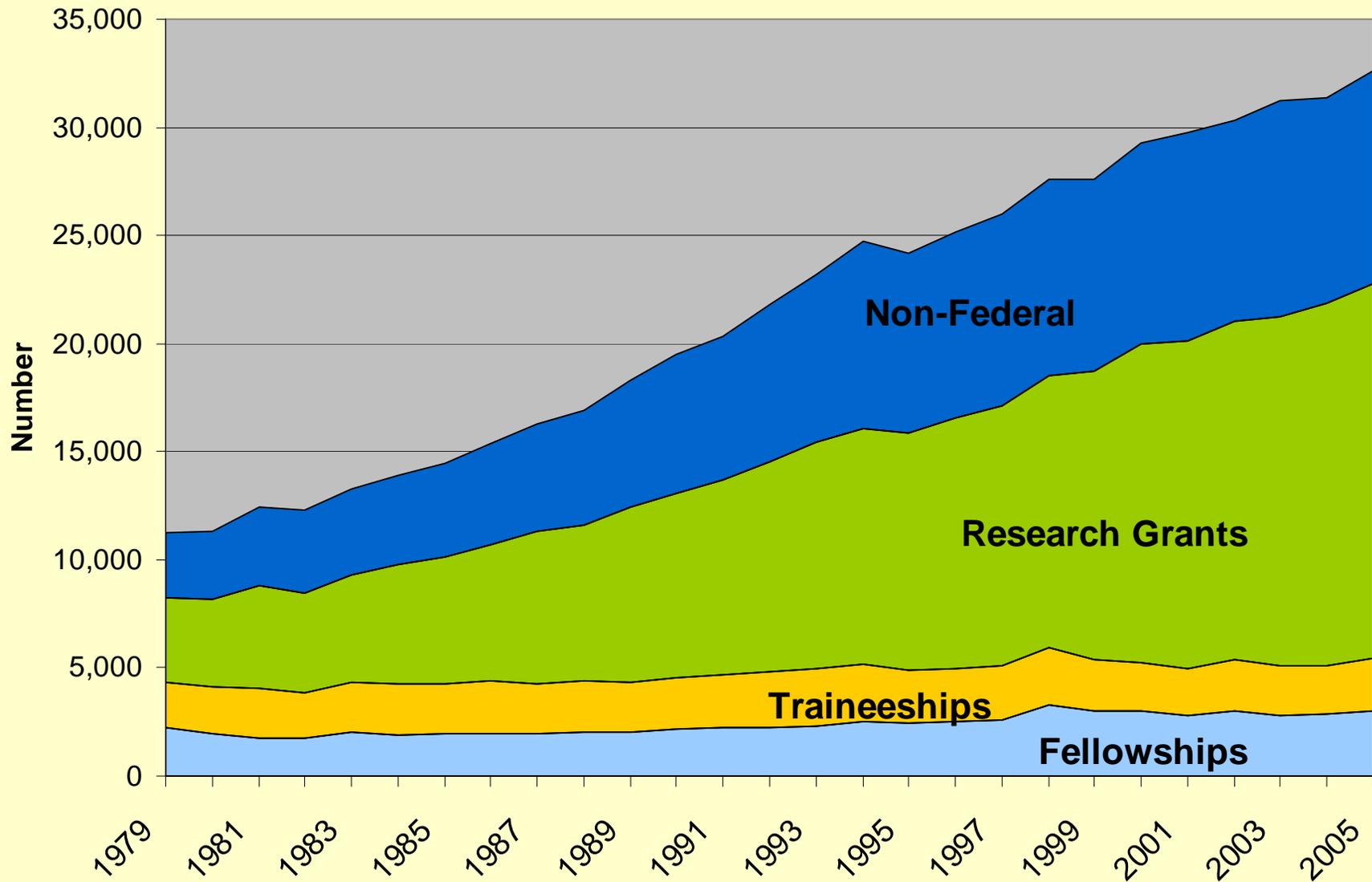
Biological and Medical Sciences Postdocs by Sex and Citizenship/ Visa Status



Source: <http://www.nsf.gov/statistics/gradpostdoc/>

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Biological and Medical Sciences Postdocs by Source of Support

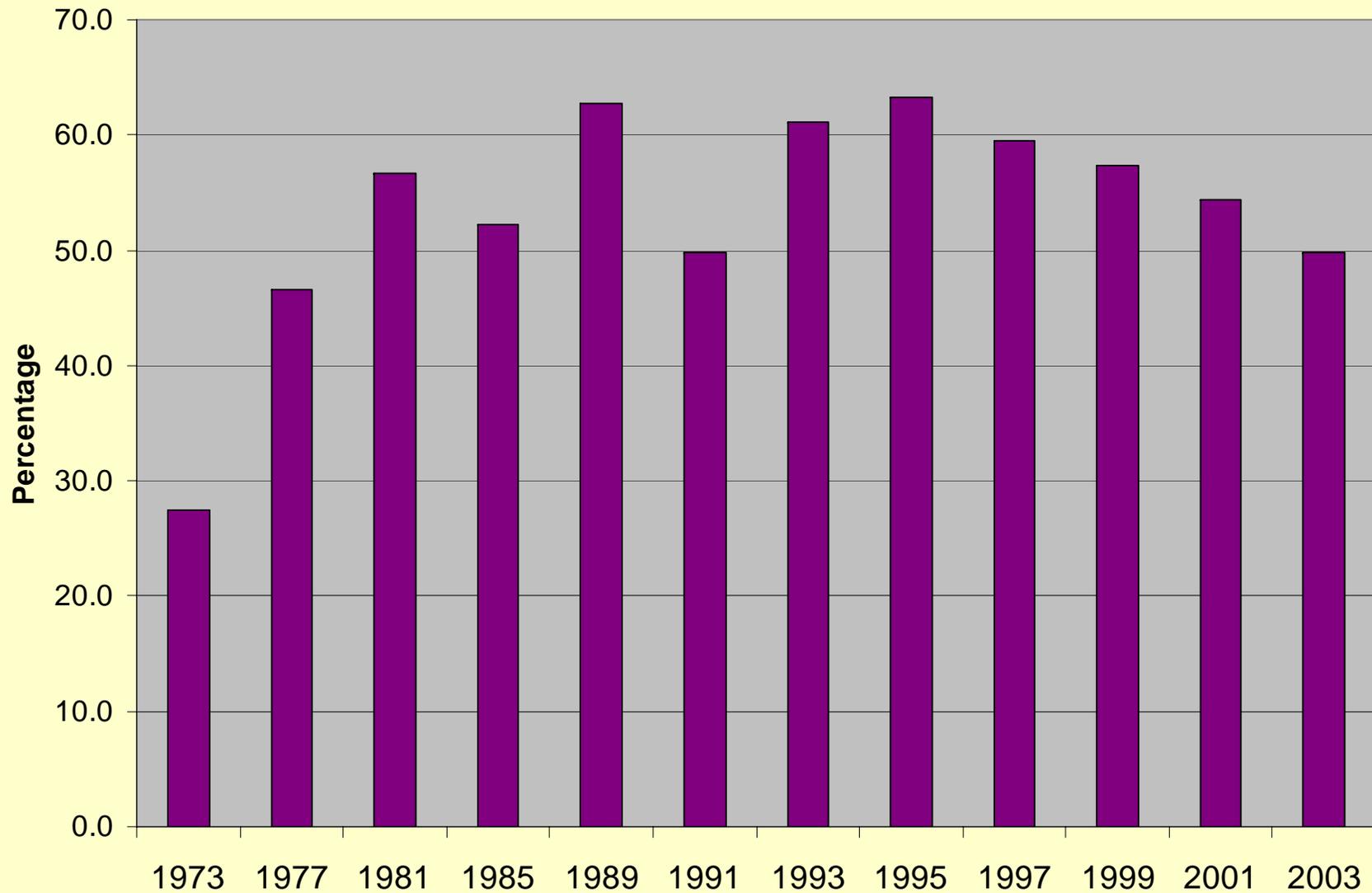


Source: <http://www.nsf.gov/statistics/gradpostdoc/>

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Postdoctoral Appointments for Individuals with PhDs from US Institutions

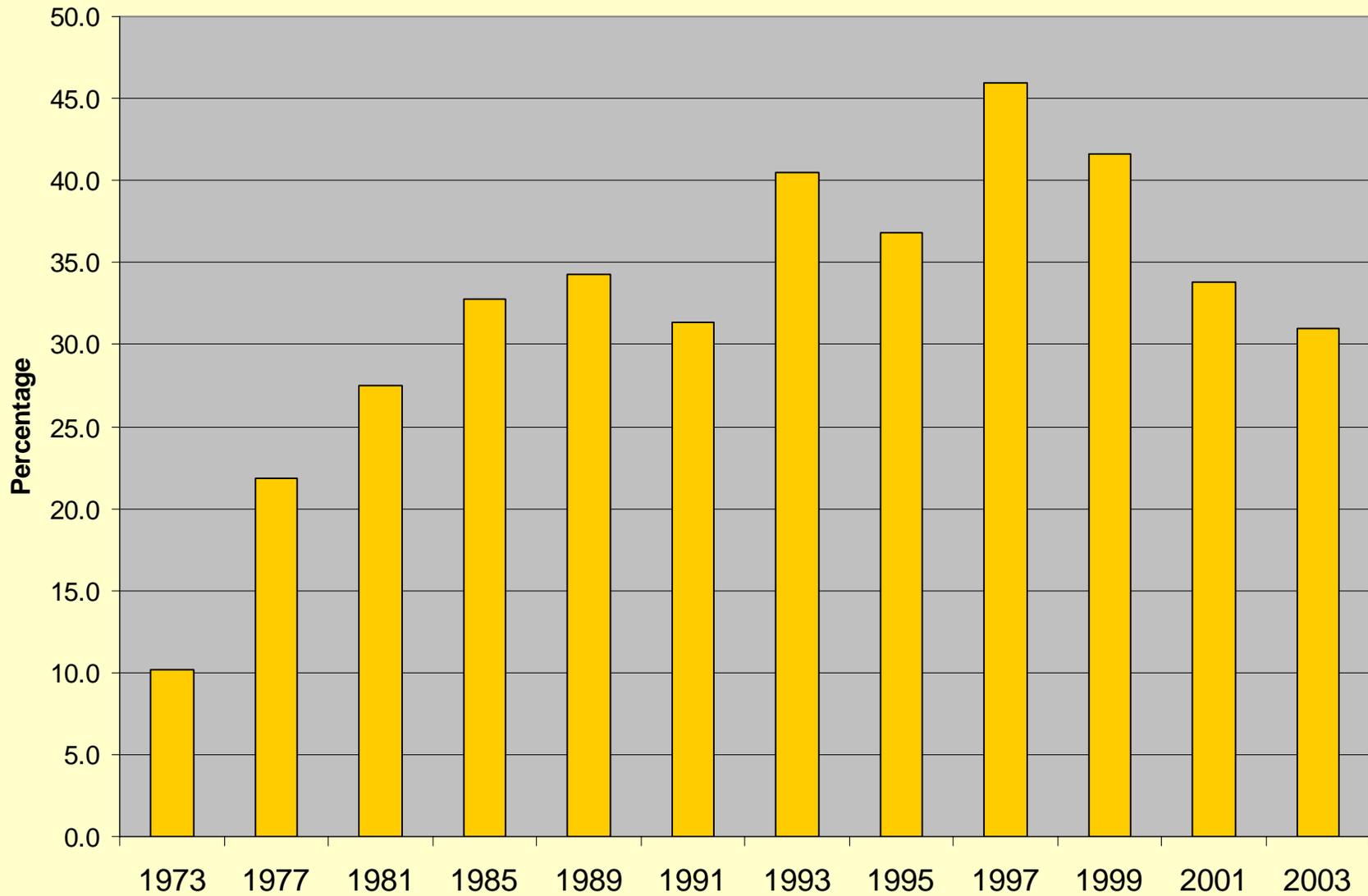
Percent of US Biomedical PhDs with Postdoc 1-2 Years Post-PhD



Source: <http://sestat.nsf.gov/>

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Percent of US Biomedical PhDs with Postdoc 3-4 Years Post-PhD

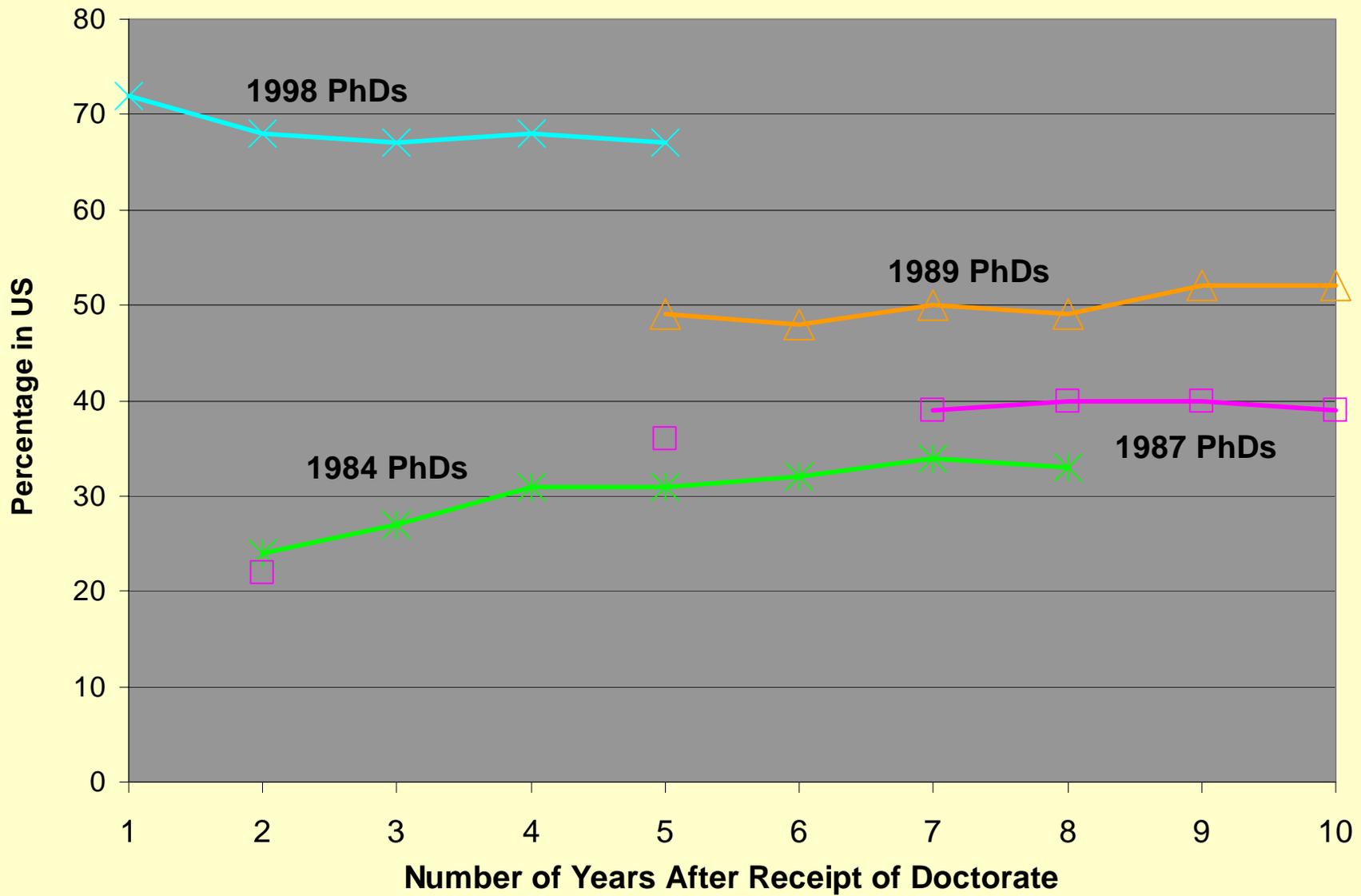


Source: <http://sestat.nsf.gov/>

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Stay Rates of Foreign Doctorate Recipients from US Universities

Stay Rates for Temporary Residents with Life Sciences Doctorates

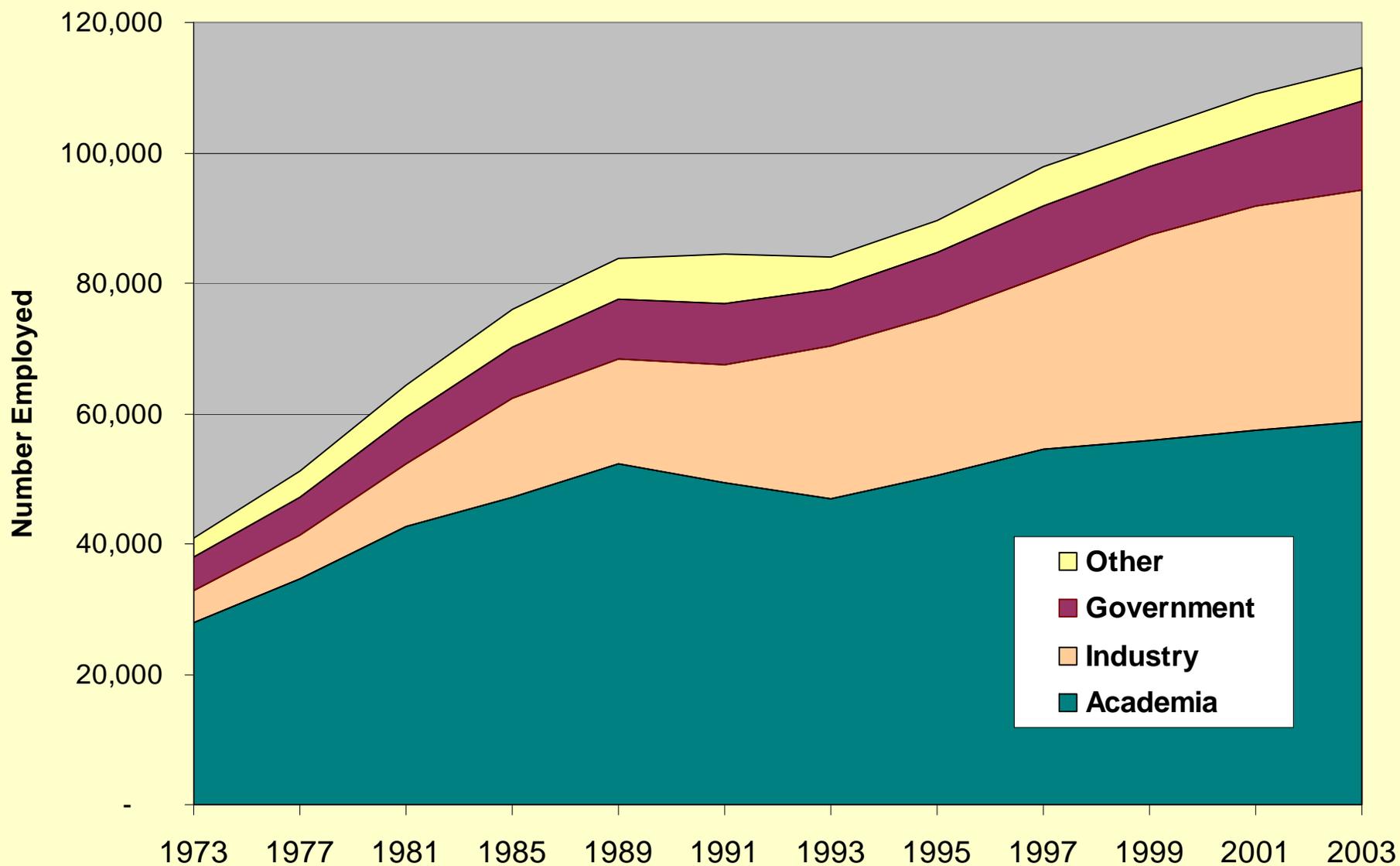


Source: <http://orise.orau.gov/sep/pubs.htm>

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Employment Status of Individuals with PhDs from US Institutions

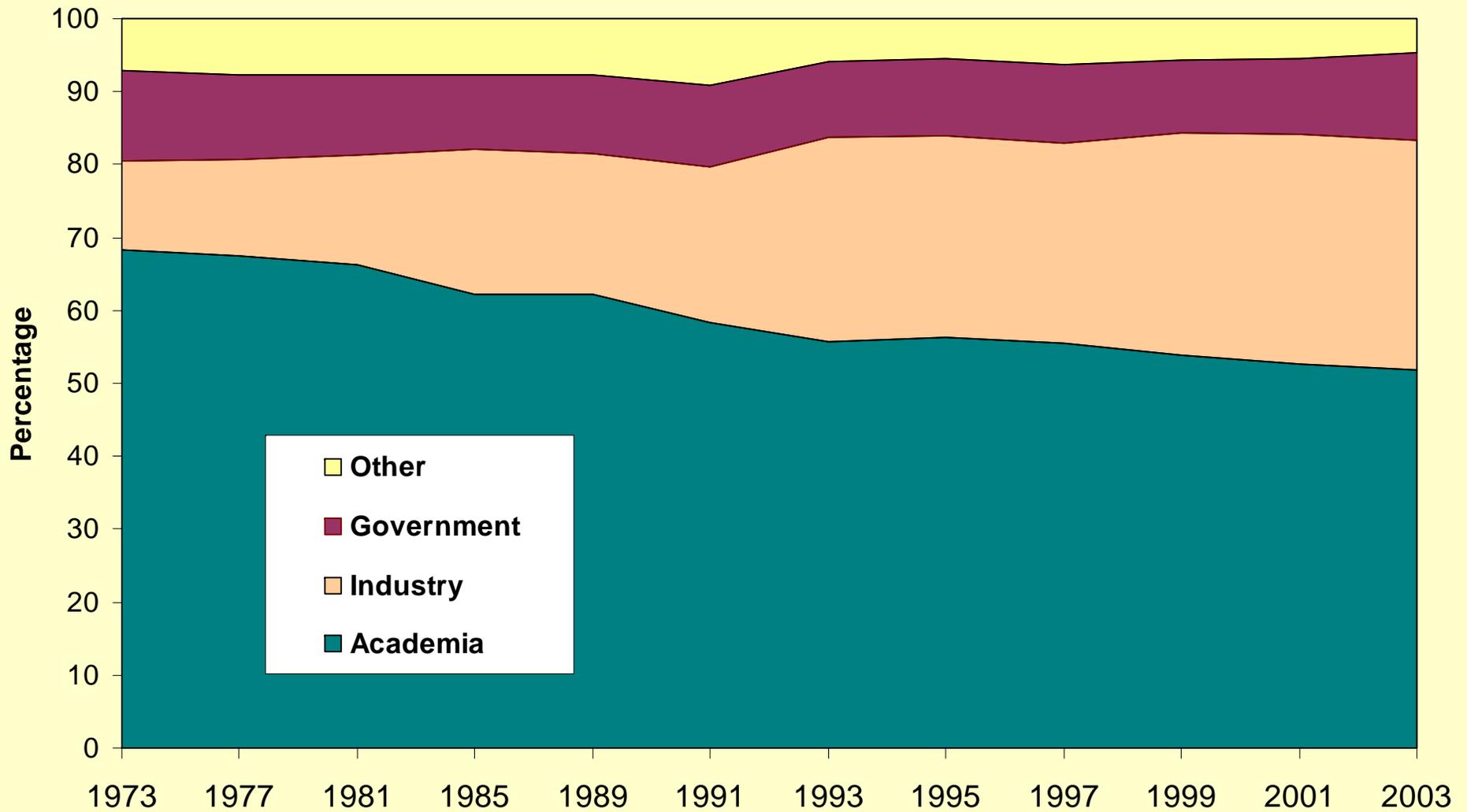
Employment of Biomedical Science PhDs by Sector of Employment



Source: <http://sestat.nsf.gov/>

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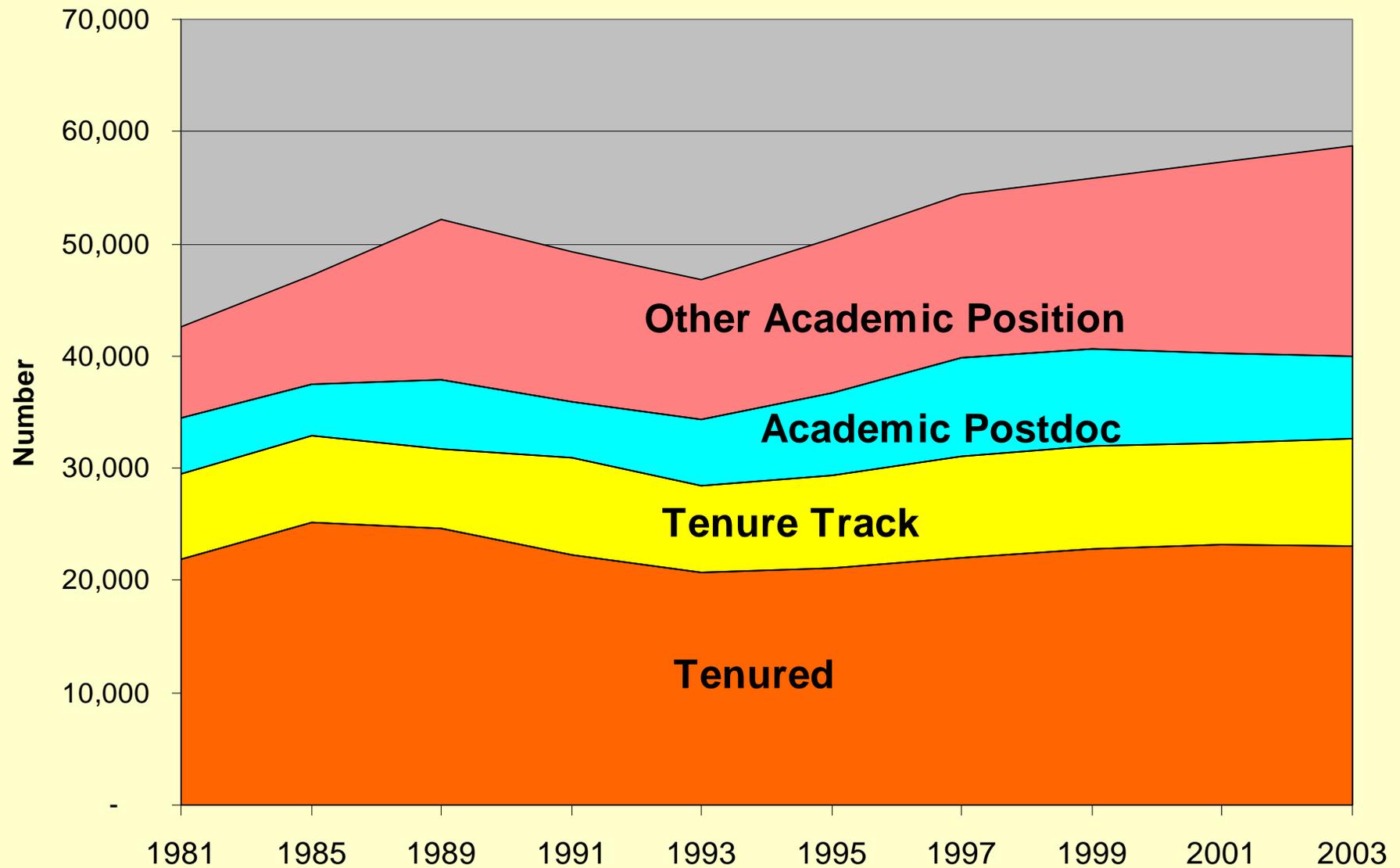
Distribution of Biomedical Science PhDs by Sector of Employment



Source: <http://sestat.nsf.gov/>

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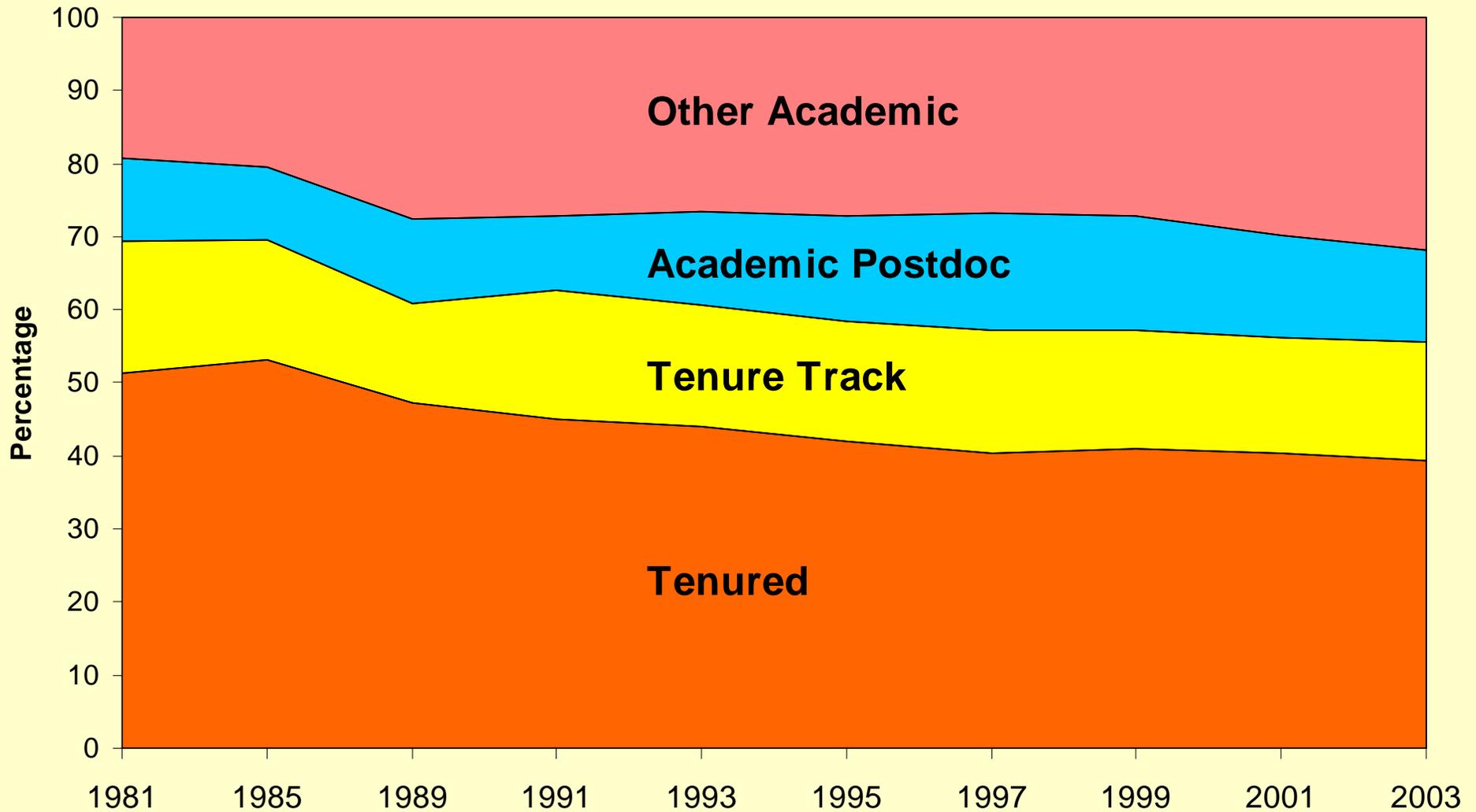
Academically Employed Biomedical PhDs by Tenure Status



Source: <http://sestat.nsf.gov/>

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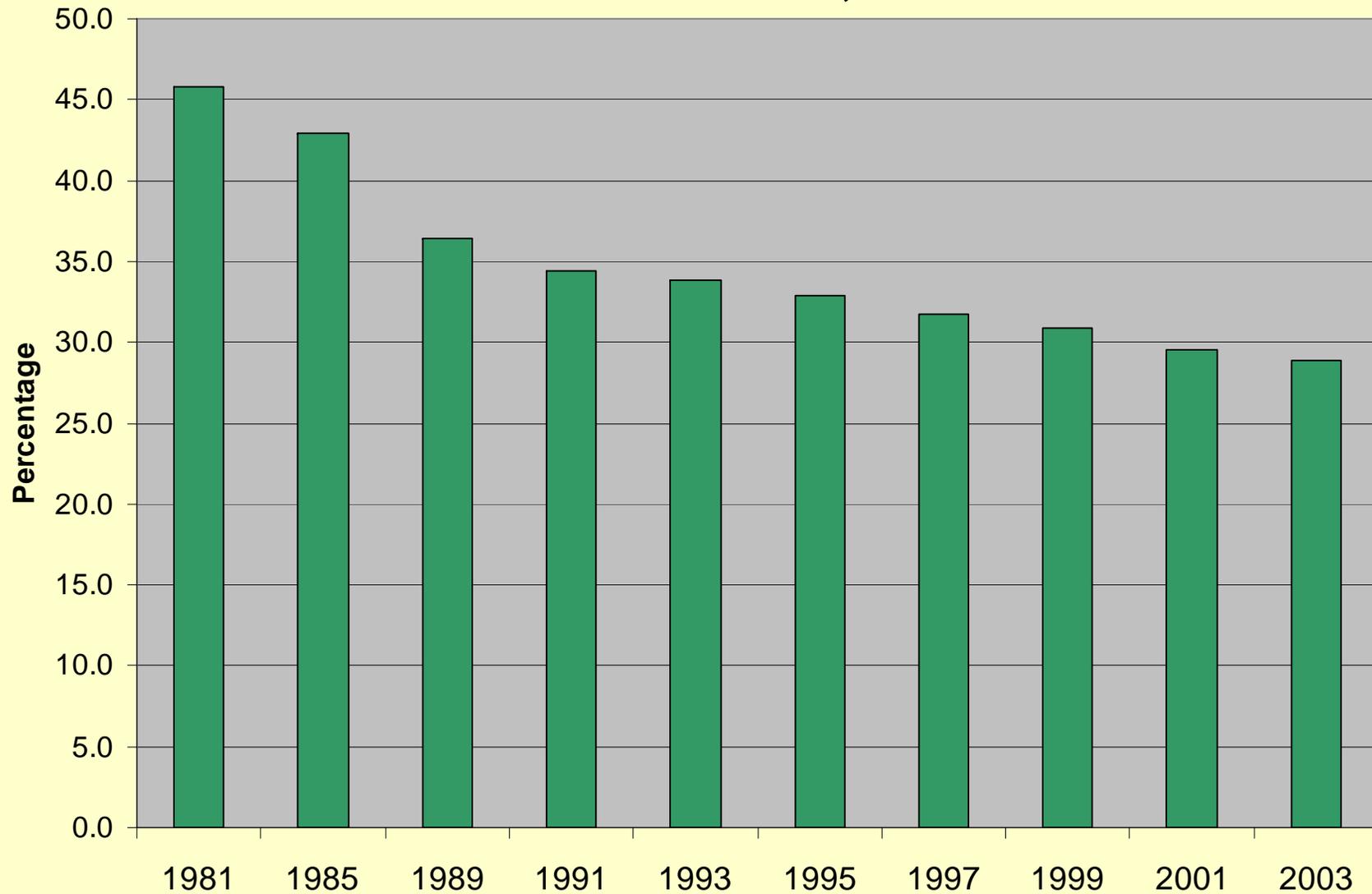
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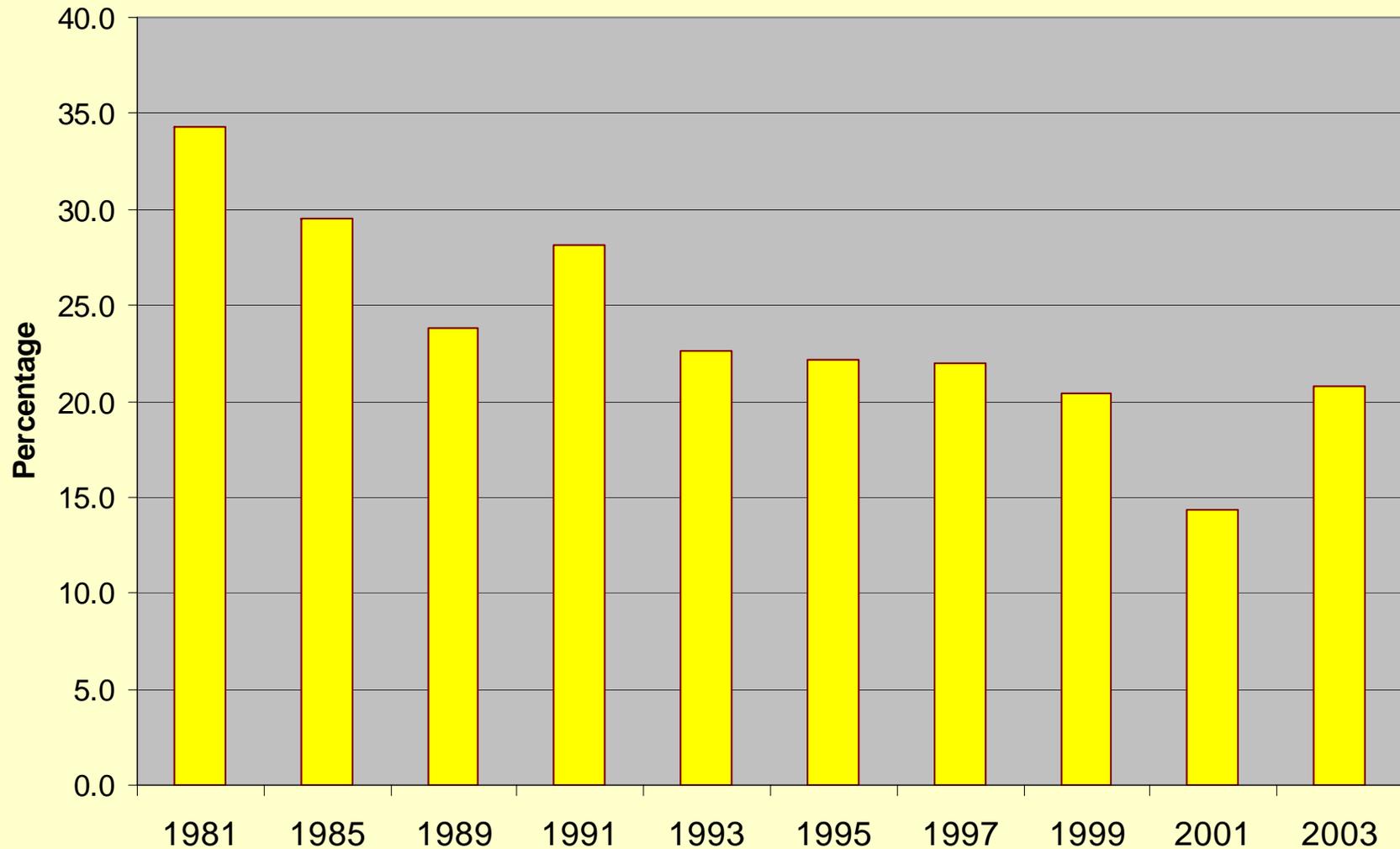
Percentage of U.S. Biomedical Science PhDs Holding Tenure or Tenure-Track Positions, Total



Source: <http://sestat.nsf.gov/>

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Percentage of U.S. Biomedical Science PhDs Holding Tenure or Tenure-Track Positions 5-6 Years Post-PhD

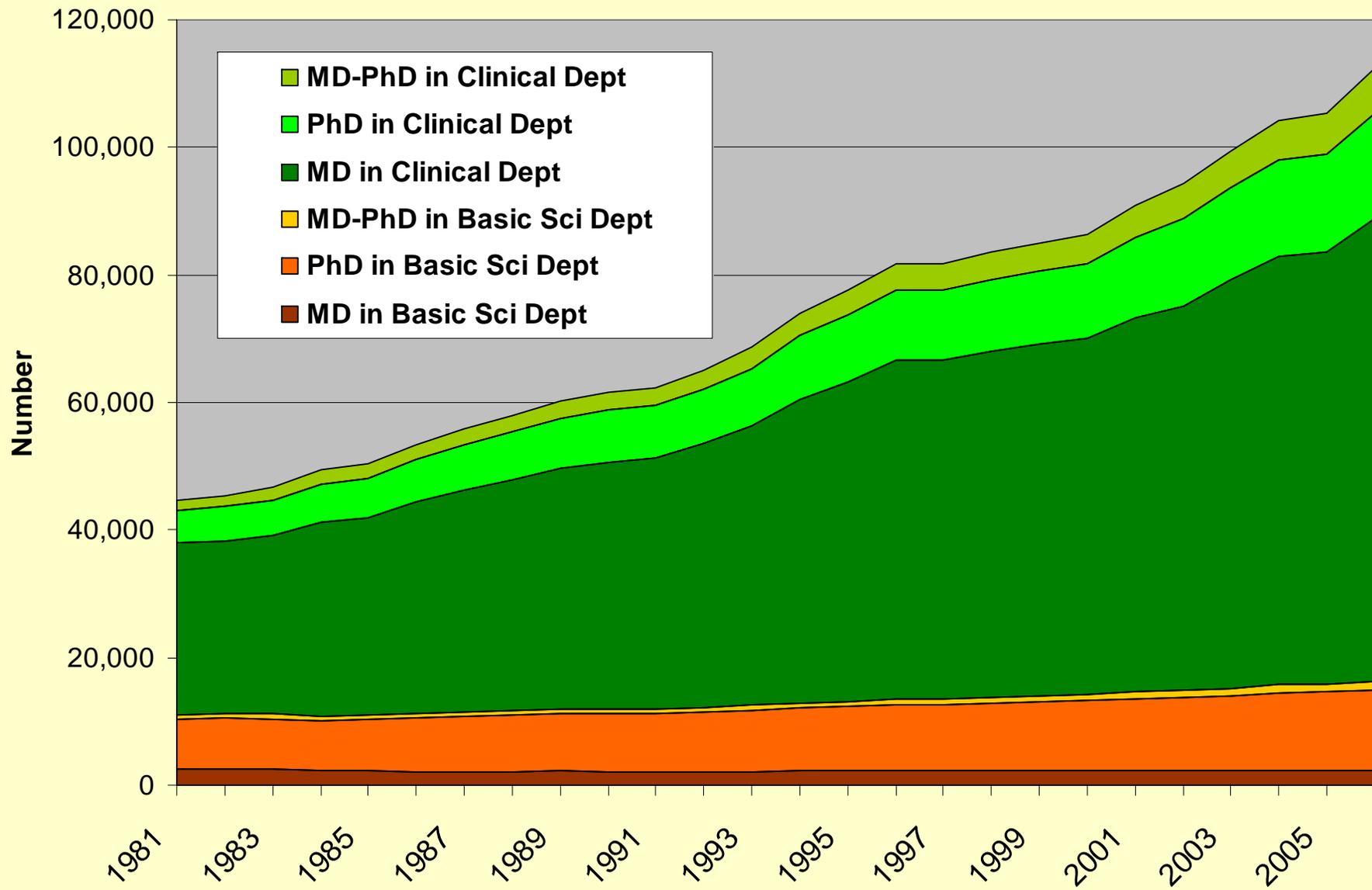


Source: <http://sestat.nsf.gov/>

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Medical School Faculty Appointments

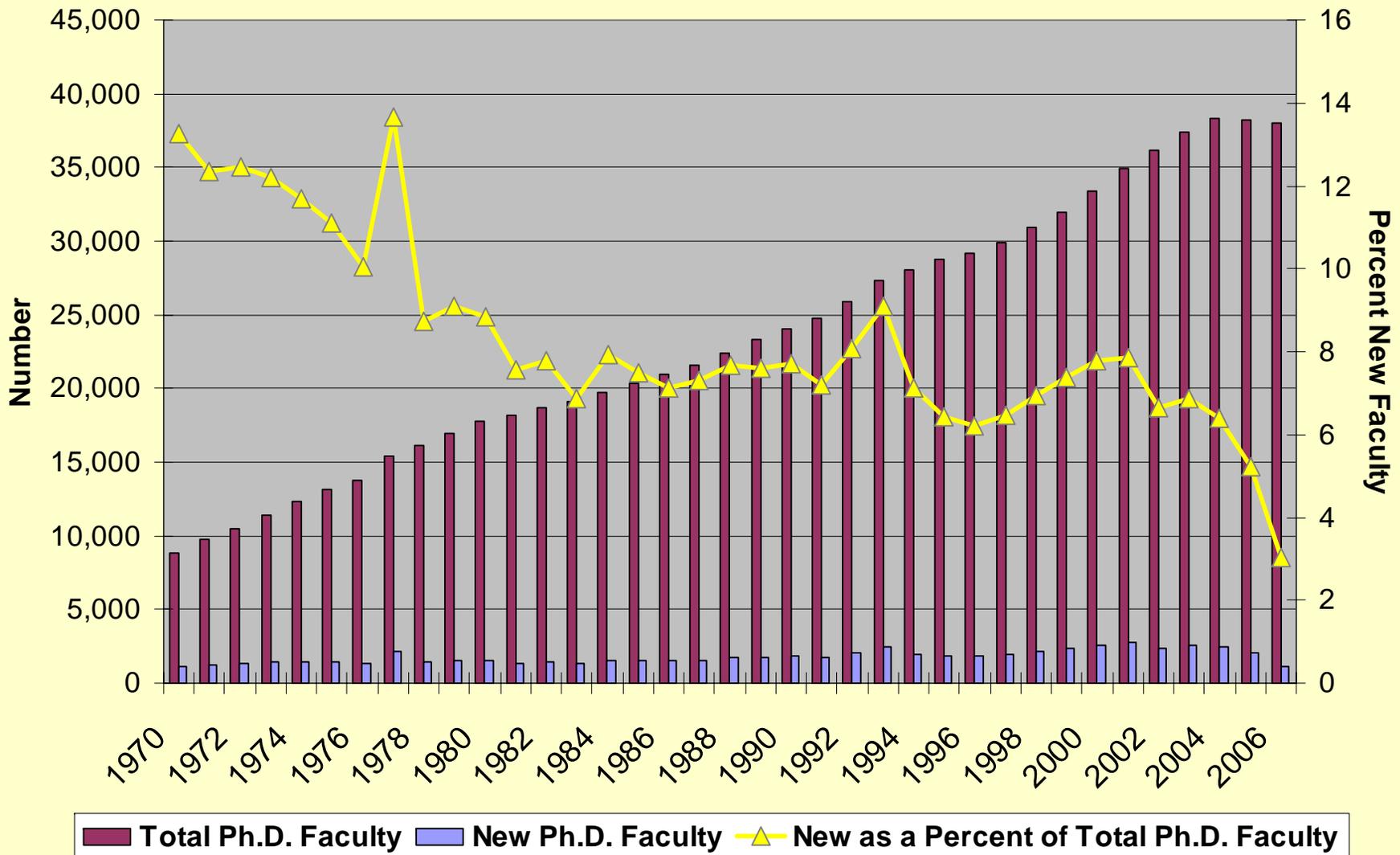
Medical School Faculty Members by Degree and Department Type



Source: <http://www.aamc.org/data/facultyroster/reports.htm>

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Total and New Faculty 1970 to 2006 in U.S. Medical Schools

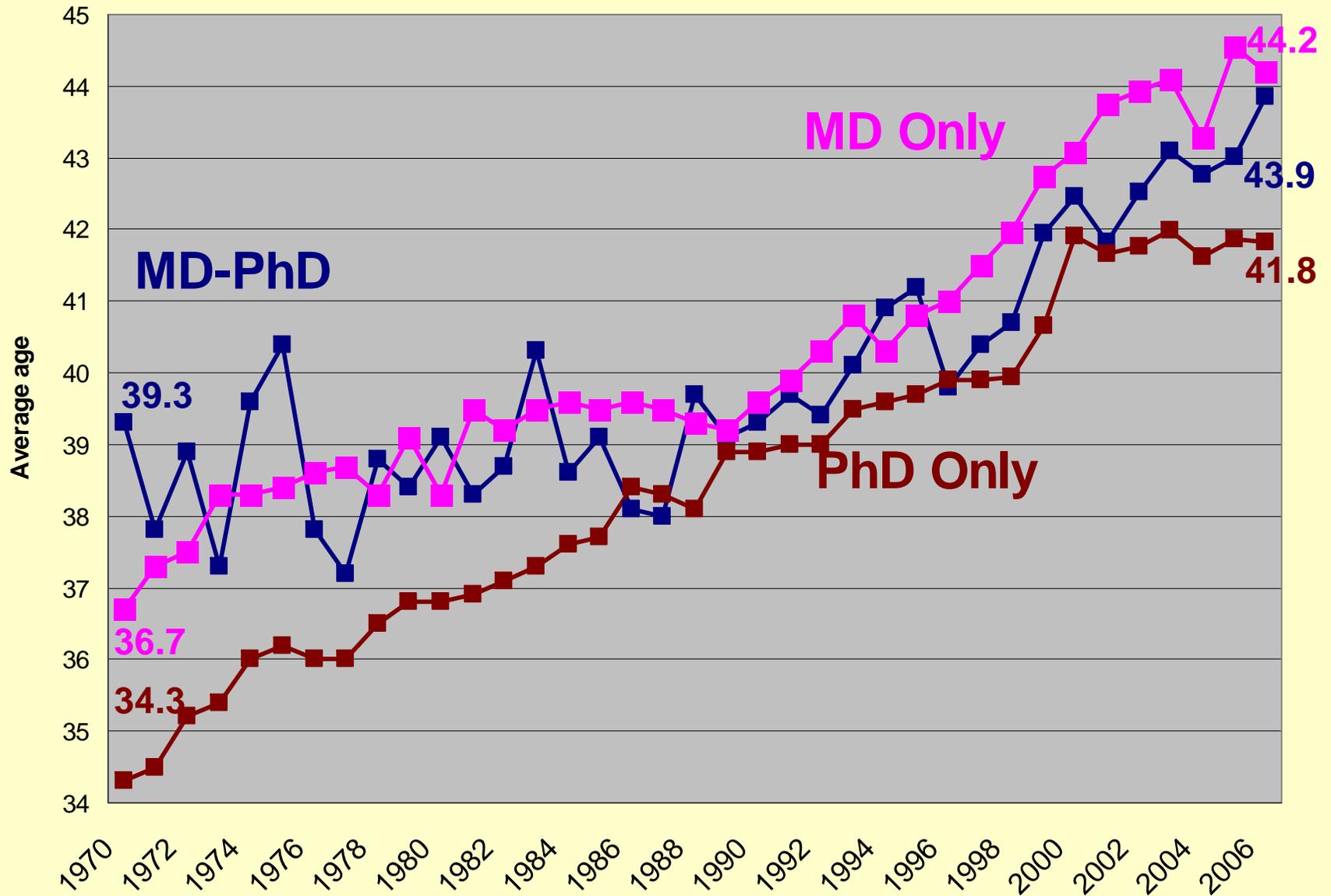


Source: <http://www.aamc.org>

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NIH Grant Applications and Awards

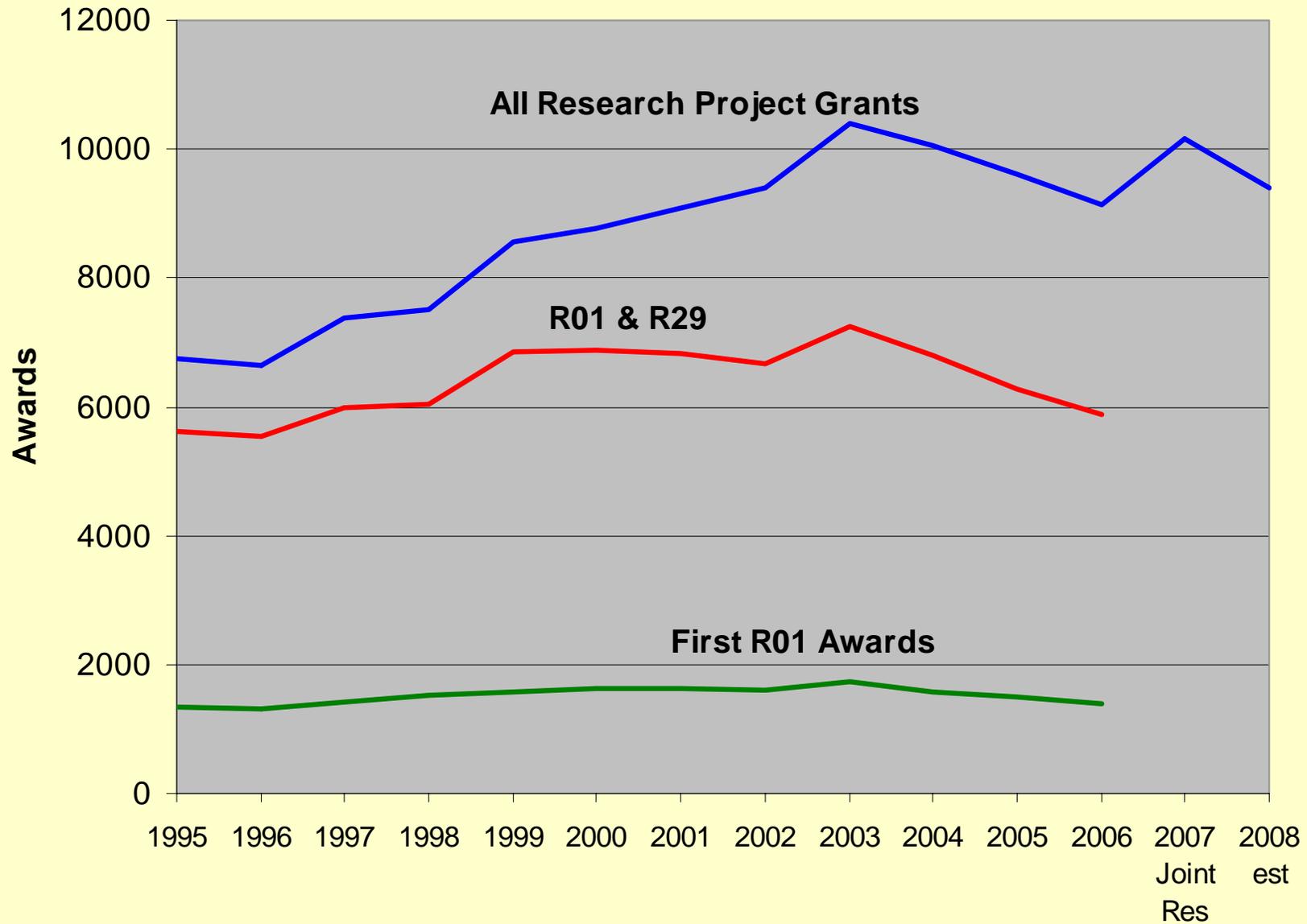
Average Age of First Time R01 Equivalent Investigators



Source: <http://grants1.nih.gov/grants/award/award.htm>

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Number of Competing Awards (Including First R01)



Source: <http://grants1.nih.gov/grants/award/award.htm>

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