

Minority Doctorates in Math, Physical Sciences, and Engineering: Facts & Figures

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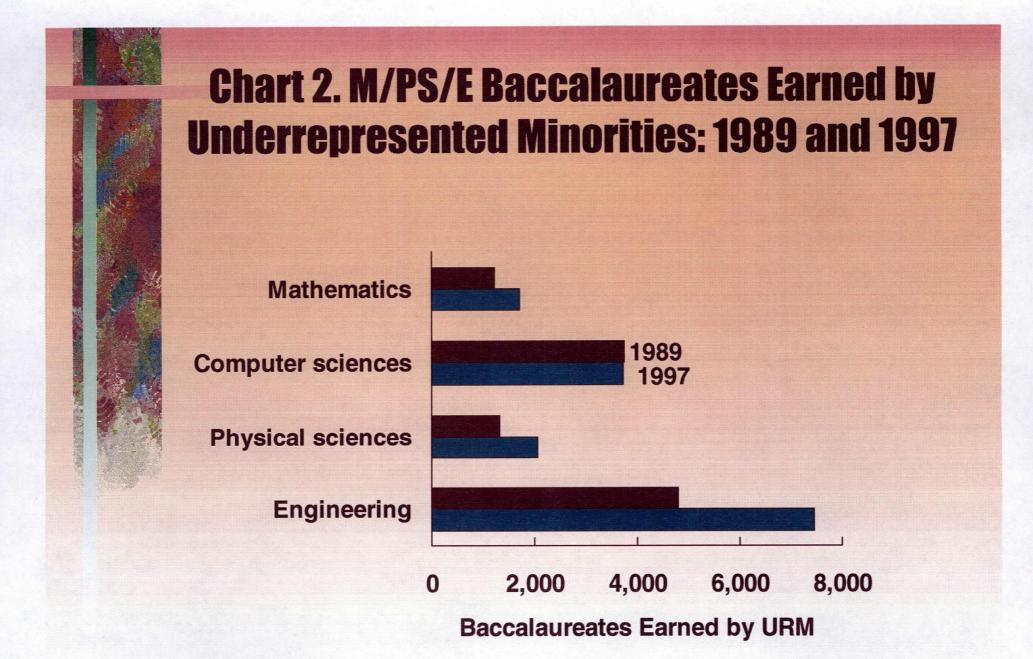


Chart 1. Representation of Minority Groups Amoung U.S. Population

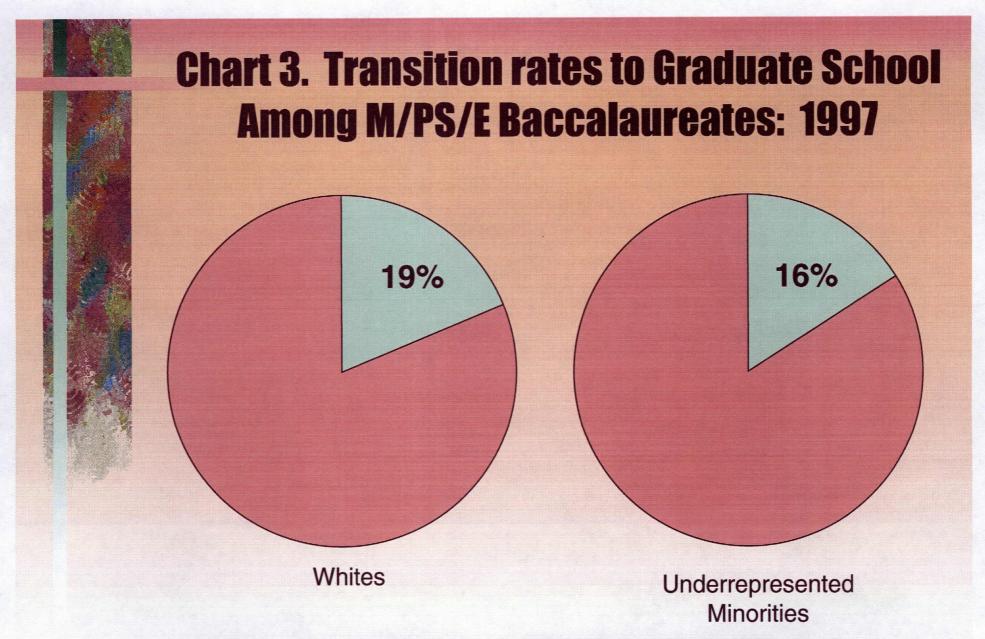
Underrepresented Minority Groups	30-34 Year Population	M/PS/E Doctorates	M/PS/E Workforce
Black	12.6	2.4	1.5
Hispanic	12.8	3.1	1.8
American Indian	0.7	0.4	0.2

M/PS/E = Mathematics (including computer sciences)/Physical sciences (including earth sciences)/Engineering.

Sources: NSF/SRS: (1) Census Bureau, Current Population Survey, 1997. (2) NSF/SRS, Survey of Earned Doctorates, 1998. (3) NSF/SRS, Survey of Doctoral Recipients, 1997.

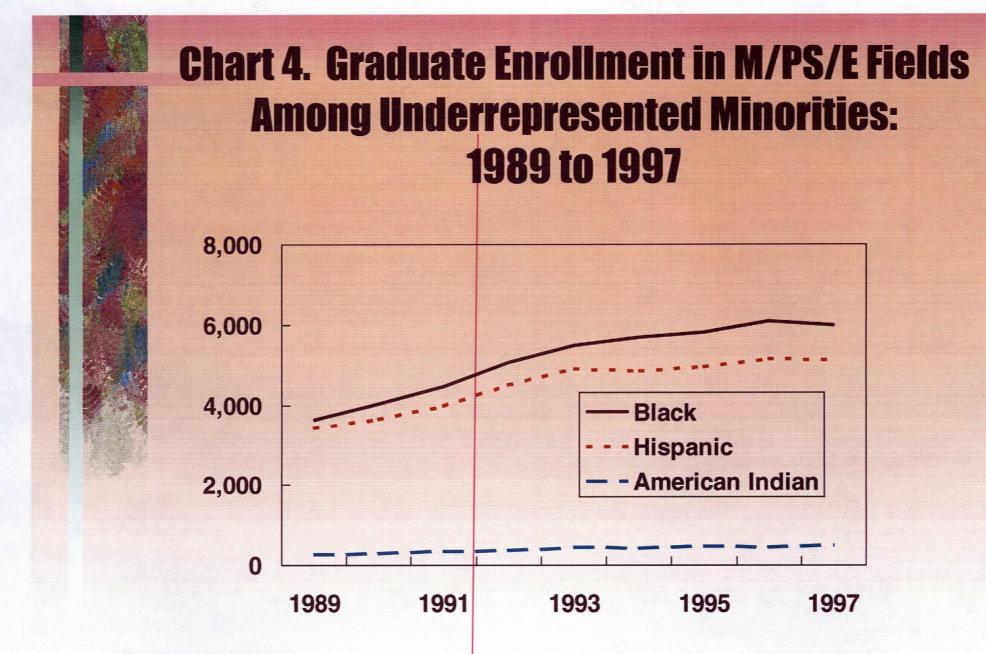


Source: NSF/SRS, Science and Engineering Degrees, by Race/Ethnicity: 1989-97.



Percent Going to Graduate School Within 2 Years

Source: NSF/SRS, Survey of Recent College Graduates

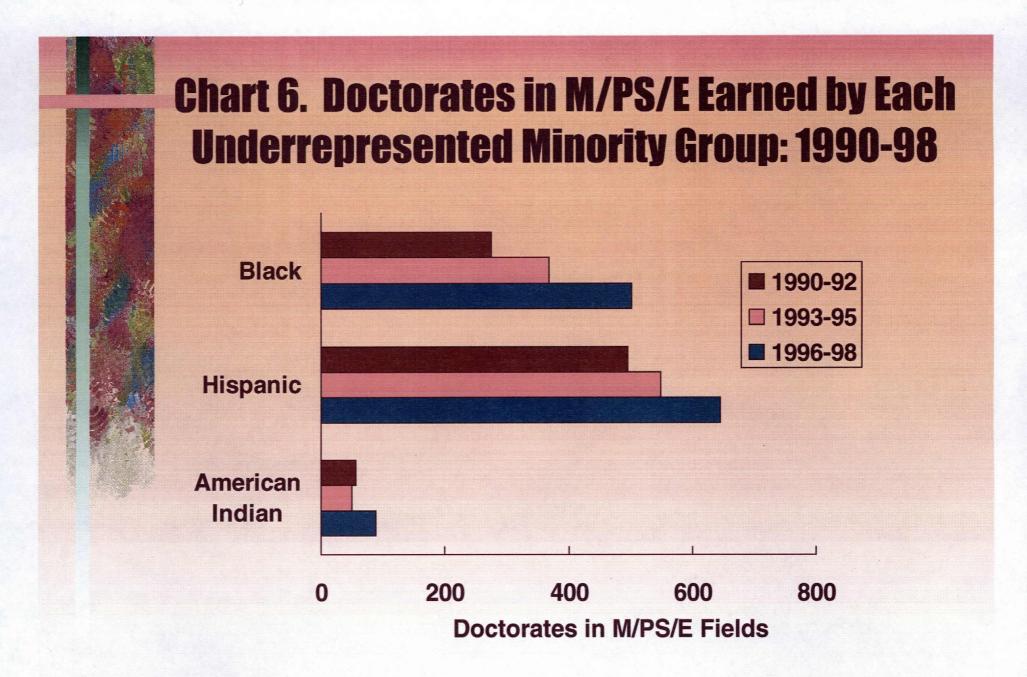


Source: NSF/SRS; Graduate Student Enrollment in S&E Survey.



Chart 5. The Survey of Earned Doctorates

- All research doctorates since 1958
- Doctorate recipient provides information on:
 - Educational history
 - Post-graduation plans
 - Demographics
- Most comprehensive data base on doctorates in the world; response rate of 92-95%



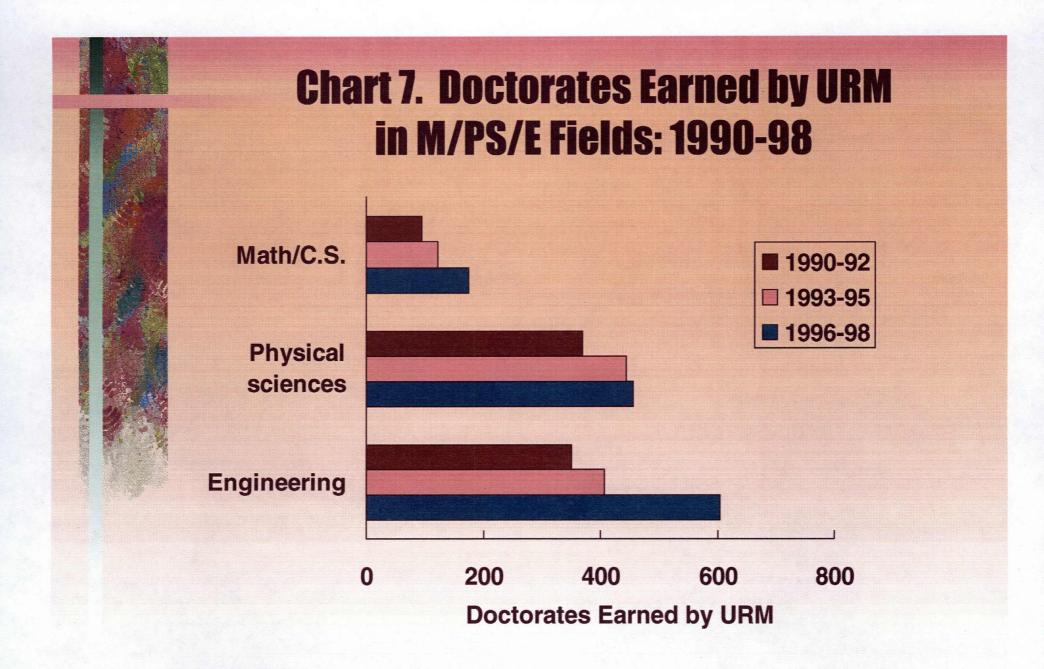


Chart 8. Percent of M/PS/E Doctorates Among URM Groups who are Women: 1990-98 Female 24% 21% 22% Male 76% 79% 78% 1990-92 1993-95 1996-98 cohort cohort cohort



Chart 9. Social Capital of Recent Doctorates

 M/PS/E doctorate recipients from URM Groups were often first in their families to go to college

 In each M/PS/E field, URM doctorates were more likely to graduate in debt for their education



Chart 10. Awards to URM in M/PS/E, by Carnegie Classification of Doctoral Institution: 1998

