



# Highlights from the 2015 CGS/GRE Survey of Graduate Enrollment & Degrees

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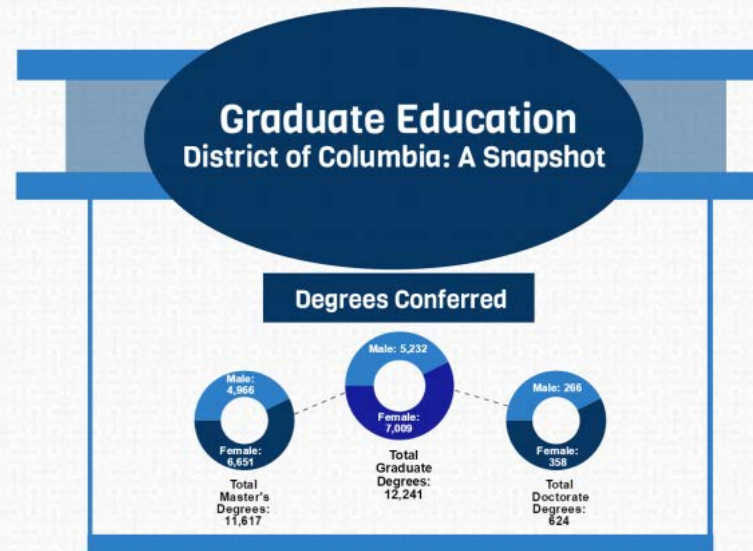
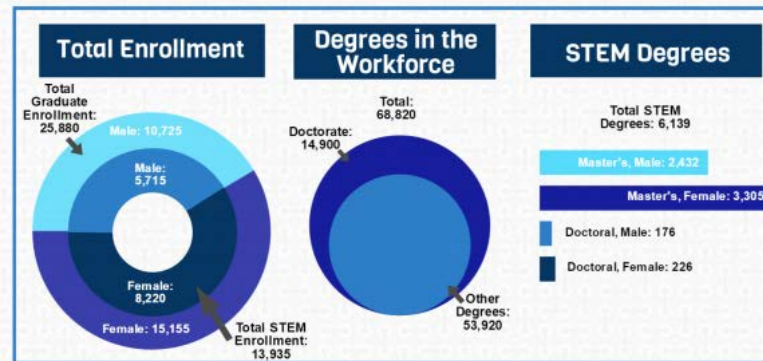
A presentation for the Summer 2016 CGS Research and Policy Forum, August 30, 2016

# CGS/GRE

## Survey of Graduate Enrollment & Degrees

- The **only national survey** that collects data on first-time and total enrollment across all fields of master's and research doctoral studies
- The **only source** of data on master's and research doctoral enrollment by degree level and on applications to graduate school by all broad fields of study

# State Snapshots: Select Data on Graduate Education



# About the 2015 Survey

	2014	2015
Survey Population*	787	776
Usable Surveys	637	617
Response Rate	81%	80%

*\*Surveys were sent in **November 2015** to U.S. based institutions who were members of CGS and/or one of four regional graduate school associations (CSGS, MAGS, NAGS, WAGS)*

# Today's Presentation

- Highlights for from the forthcoming report
  - New records
  - Notable trends
    - Applications
    - First-time enrollment
    - Degrees conferred
  - Insights into specific subgroups
- Open discussion

# New Records

	2014	2015
Graduate applications	2,149,455	2,178,505*
Offers of admission	851,057	877,003
First-time enrollment	479,642	506,927

*\*For the **second** time in the survey's history, the total number of graduate applications surpassed two million.*

# Largest share of applications, by broad field of study, were for master's/other programs

	Master's/Other	Doctoral
<b>Arts and Humanities</b>	61.0%	38.6%
Biological and Agricultural Sciences	40.2%	59.7%
<b>Business</b>	91.7%	8.3%
<b>Education</b>	81.9%	18.1%
<b>Engineering</b>	69.3%	30.7%
<b>Health Sciences</b>	70.0%	27.4%
<b>Mathematics and Computer Sciences</b>	77.6%	22.4%
Physical and Earth Sciences	21.8%	78.2%
<b>Public Administration and Services</b>	95.2%	4.8%
Social and Behavioral Sciences	42.3%	57.7%
<b>Other Fields</b>	83.8%	16.2%

# Slower growth in applications for admission to doctoral programs, 2014 to 2015

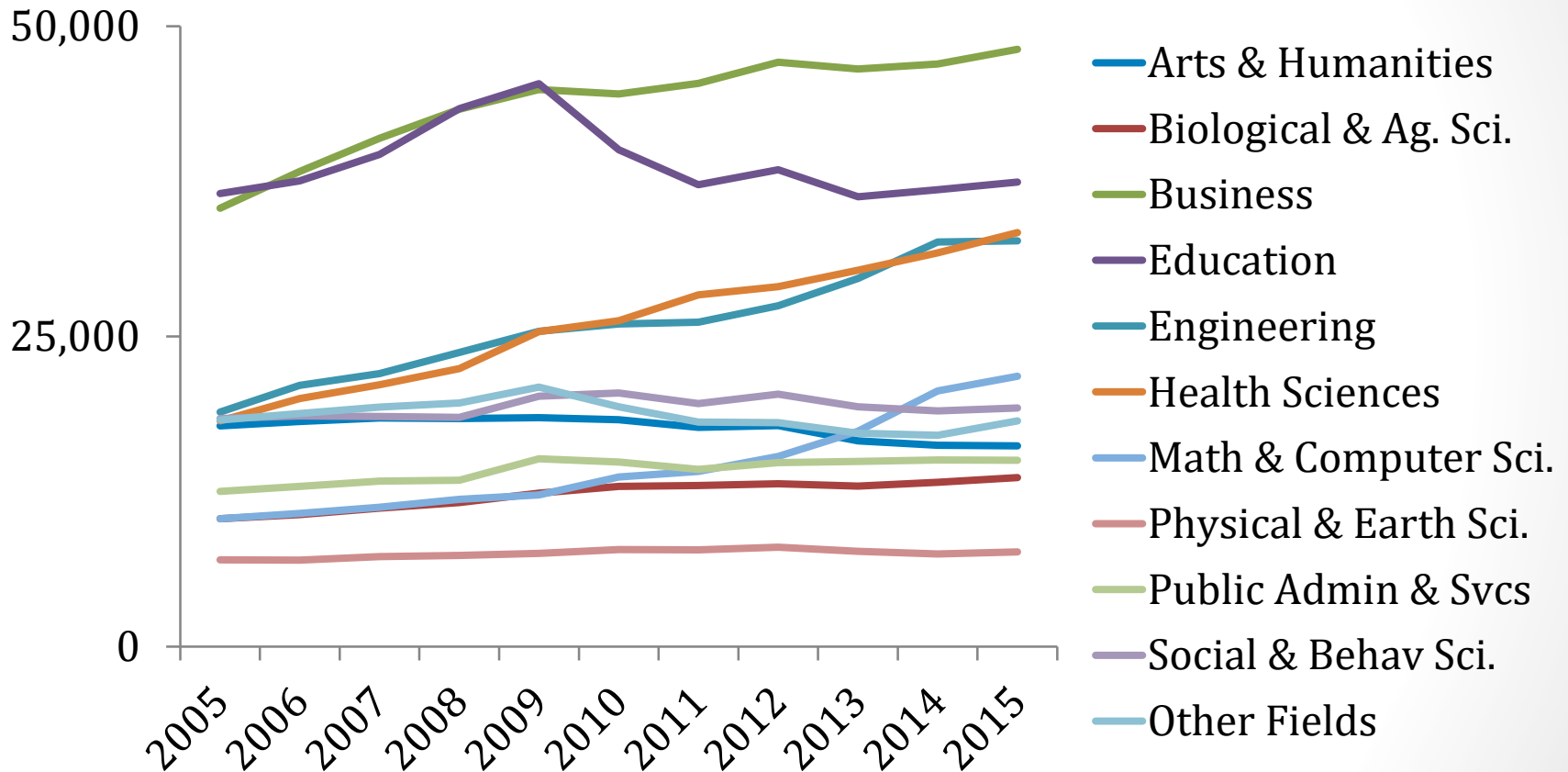
	Master's/Other	Doctoral
Arts and Humanities	-2.9%	-2.7%
Biological and Agricultural Sciences	0.7%	-1.1%
Business	0.6%	-6.1%
Education	-2.0%	4.0%
Engineering	-0.3%	-1.6%
<b>Health Sciences</b>	<b>2.9%</b>	<b>-12.3%</b>
<b>Mathematics and Computer Sciences</b>	<b>11.2%</b>	<b>3.8%</b>
Physical and Earth Sciences	-8.0%	-1.7%
Public Administration and Services	-0.6%	-7.0%
Social and Behavioral Sciences	-0.3%	-2.0%
Other Fields	2.6%	-0.2%



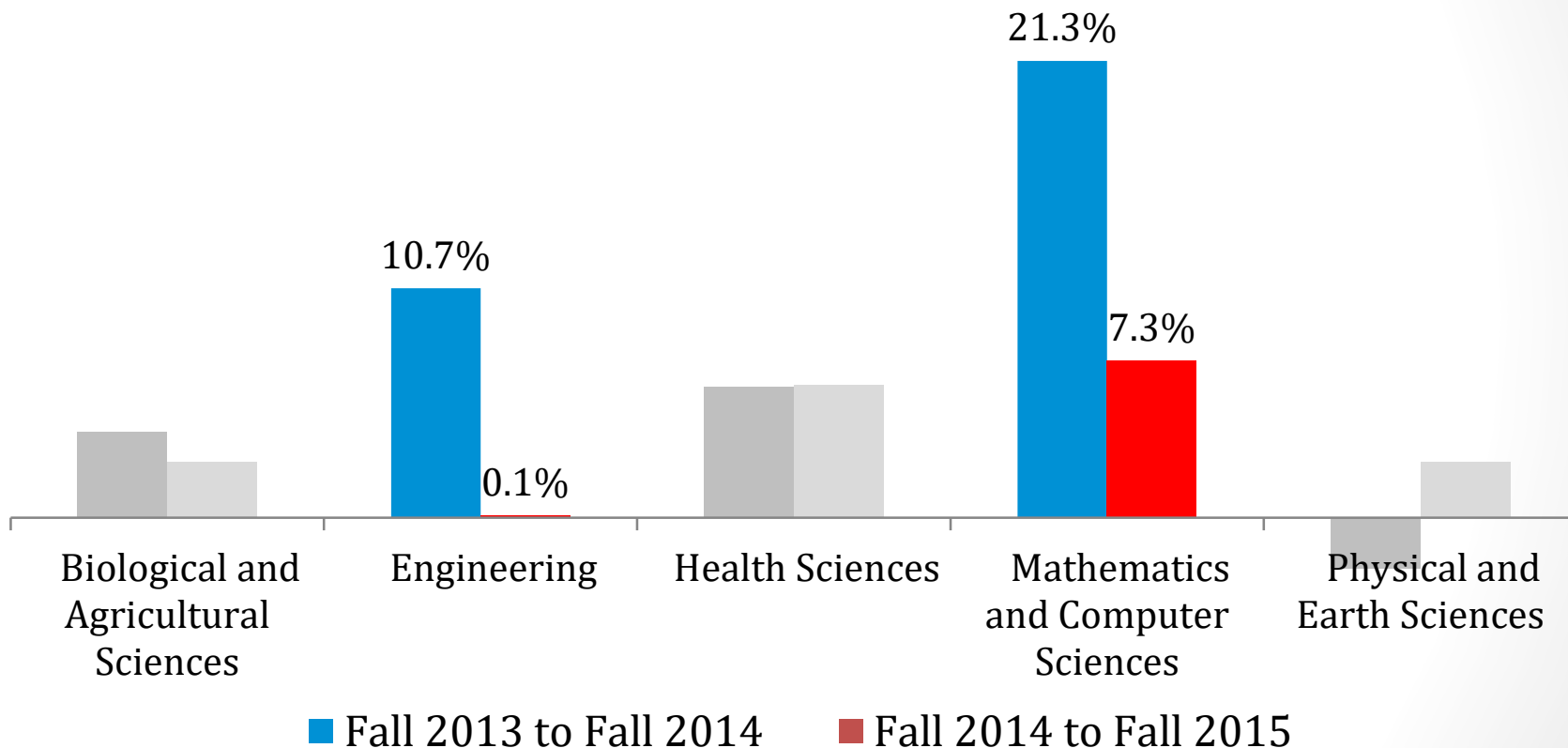
# Larger share of applications to STEM broad fields of study were for doctoral programs

	Master's/Other	Doctoral
Arts and Humanities	6.4%	9.3%
<b>Biological and Agricultural Sciences</b>	<b>3.3%</b>	<b>11.3%</b>
Business	16.1%	3.4%
Education	8.4%	4.3%
<b>Engineering</b>	<b>14.7%</b>	<b>15.0%</b>
<b>Health Sciences</b>	<b>12.3%</b>	<b>11.1%</b>
<b>Mathematics and Computer Sciences</b>	<b>11.7%</b>	<b>7.8%</b>
<b>Physical and Earth Sciences</b>	<b>1.2%</b>	<b>9.6%</b>
Public Administration and Services	4.4%	0.5%
Social and Behavioral Sciences	5.9%	18.7%
Other Fields	6.2%	2.8%

# First-Time Graduate Enrollment by Broad Fields of Study, Fall 2005 to Fall 2015

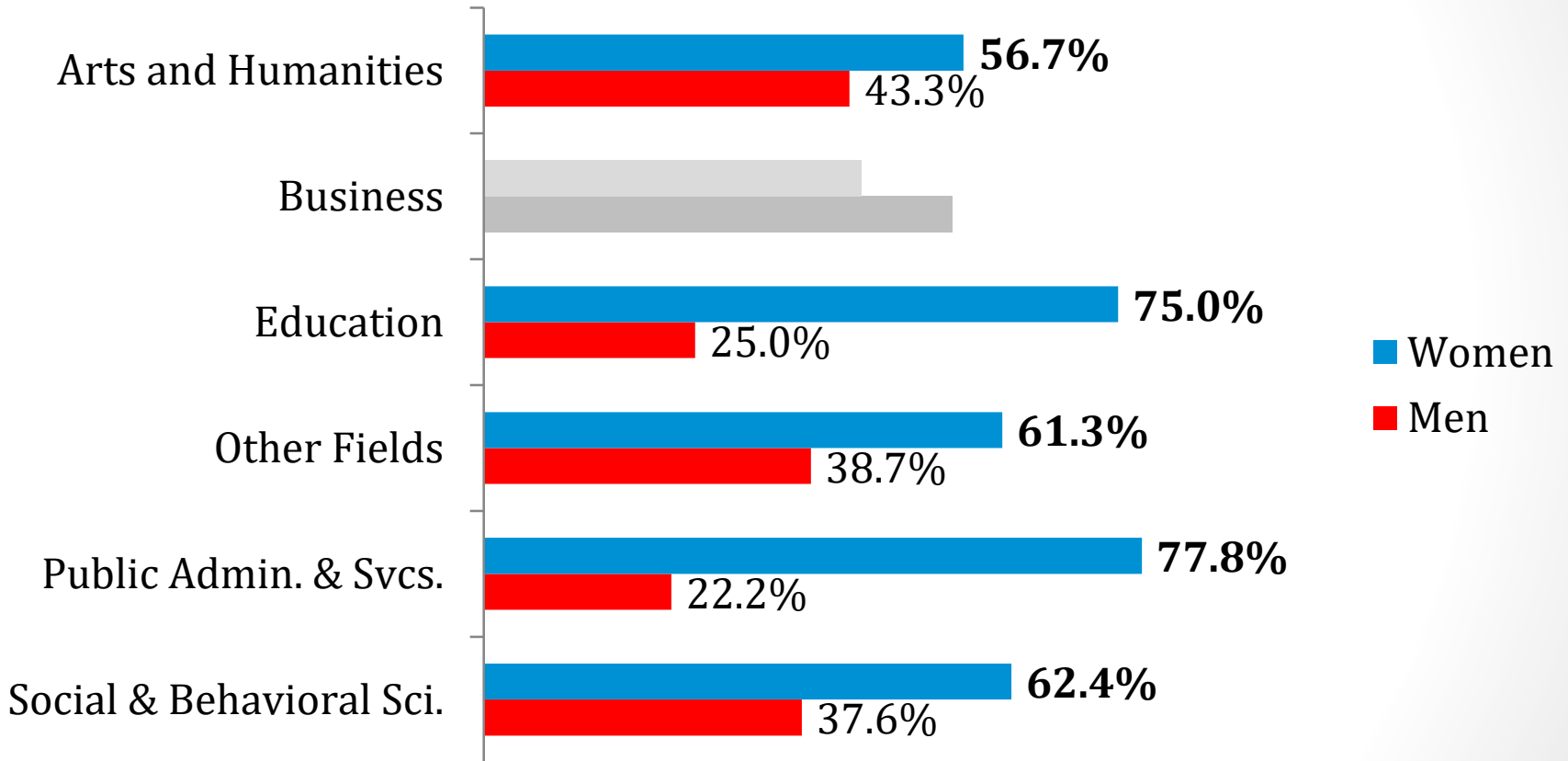


# 1-year % change in first-time enrollment for Engineering and Mathematics and Computer Sciences significantly slowed down

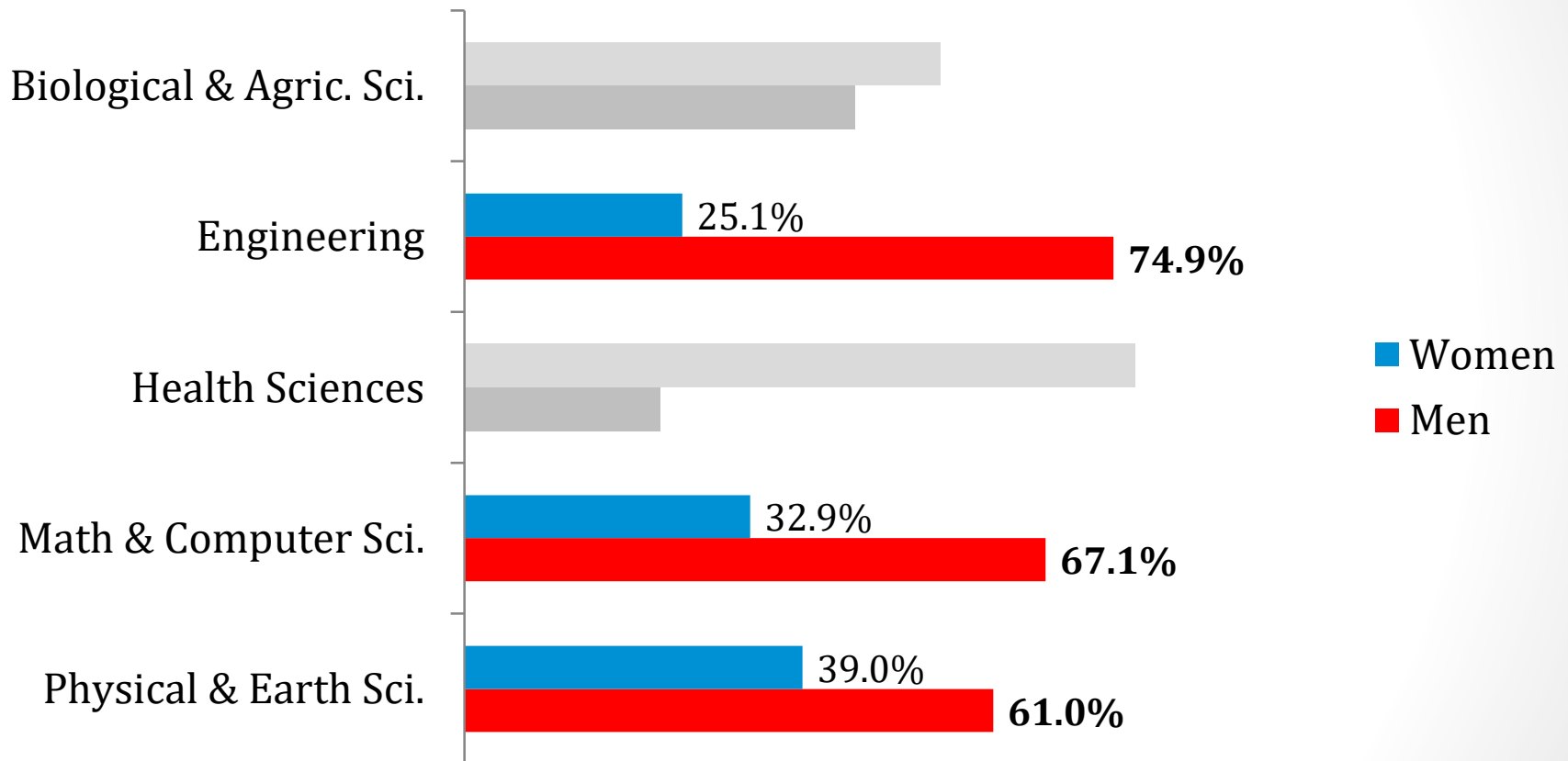


# Gender & First-Time Enrollment

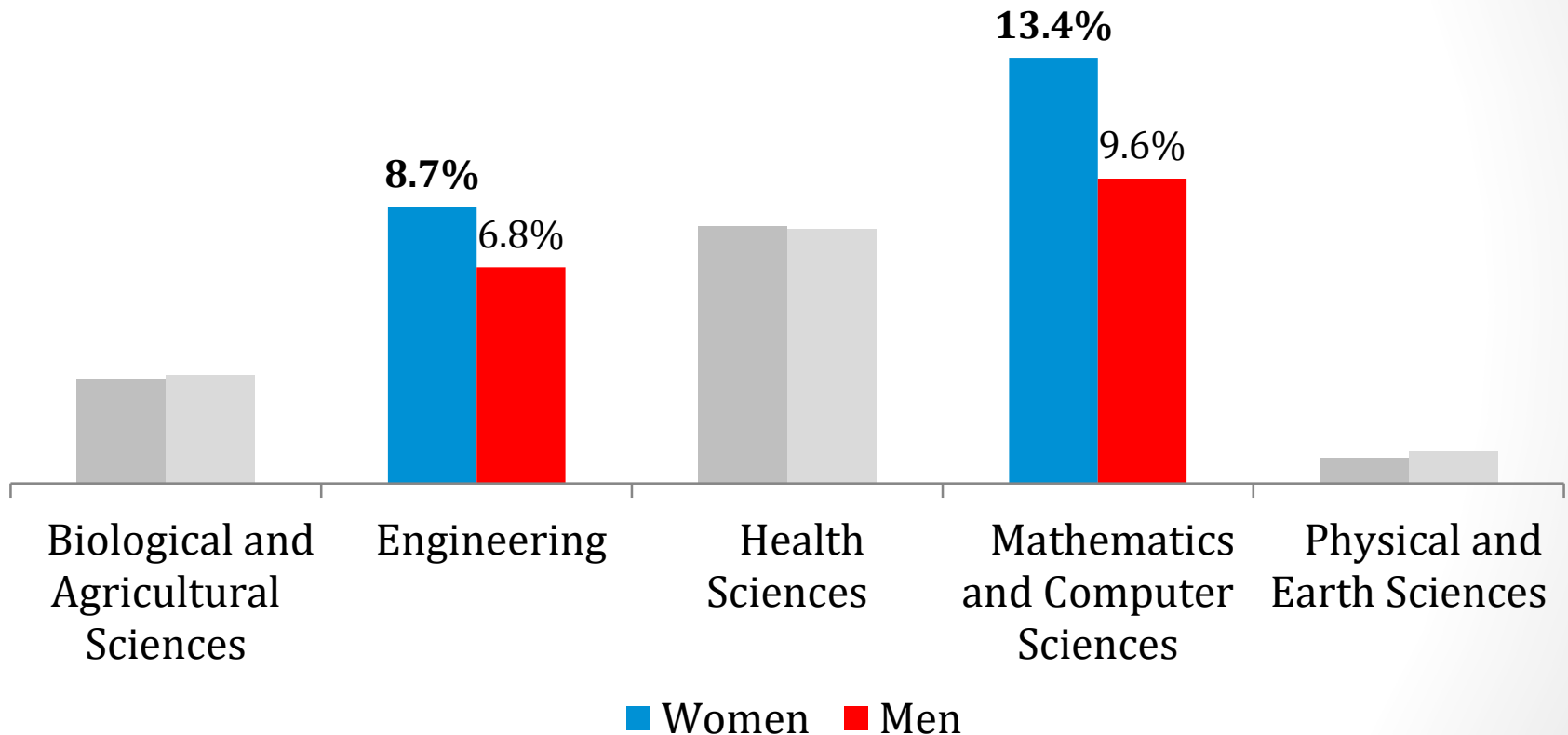
# More women enrolled for the first-time in non-STEM broad fields of study, Fall 2015



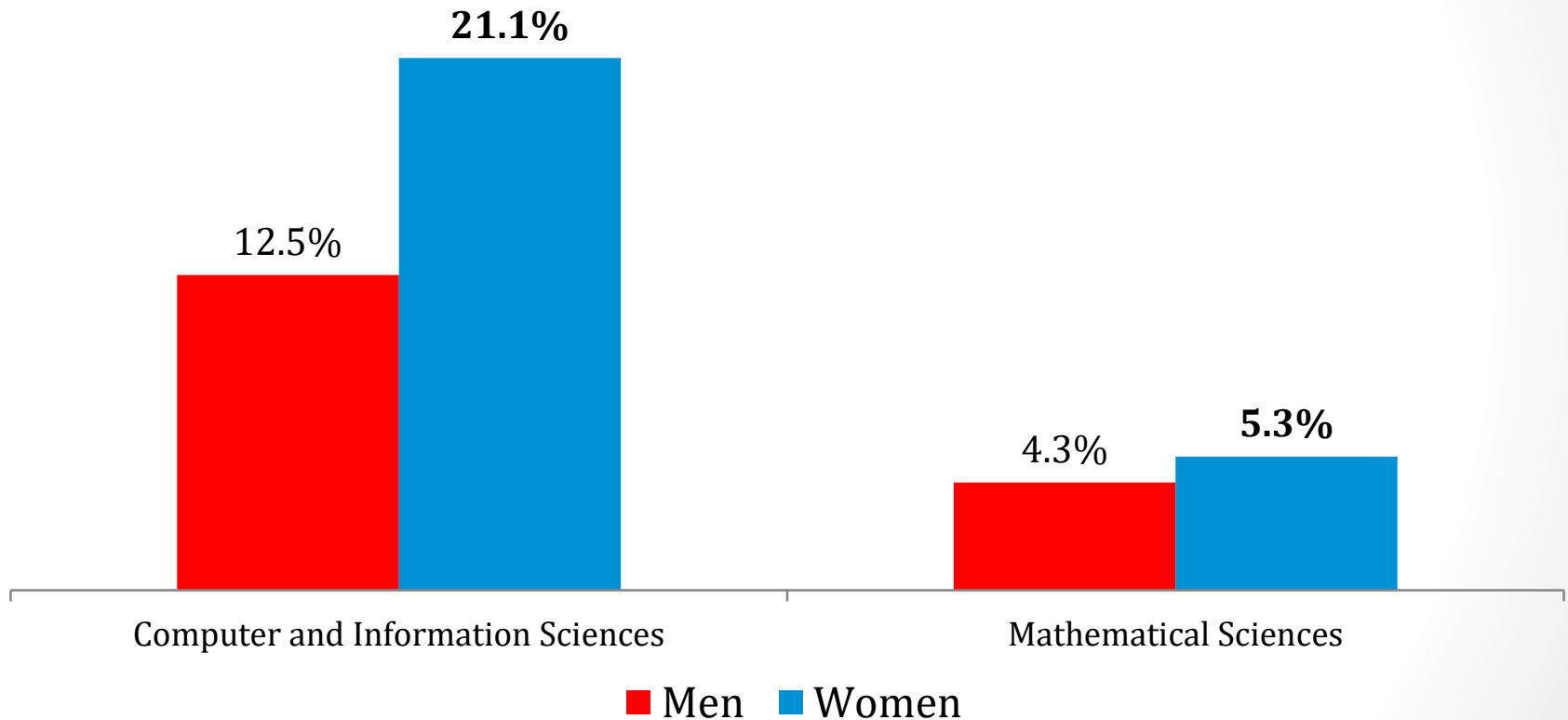
# Larger share of men enrolled for the first-time in STEM broad fields of study, Fall 2015



# Faster average annual growth for women in Engineering and Mathematics and Computer Sciences broad fields, 2005 to 2015

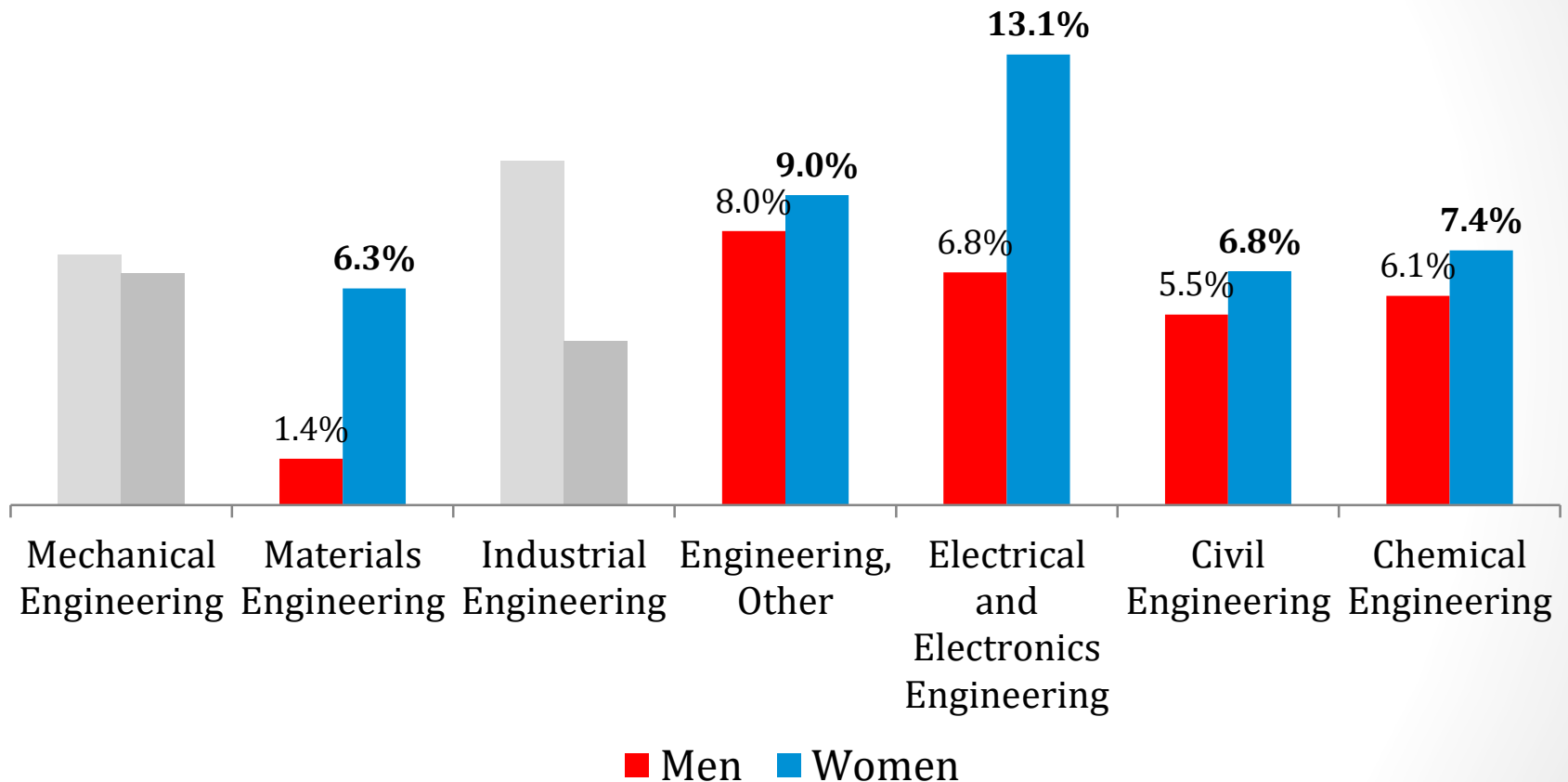


# Women also had higher growth in annual % change for Mathematics and Computer Sciences fine fields, 2005 to 2015



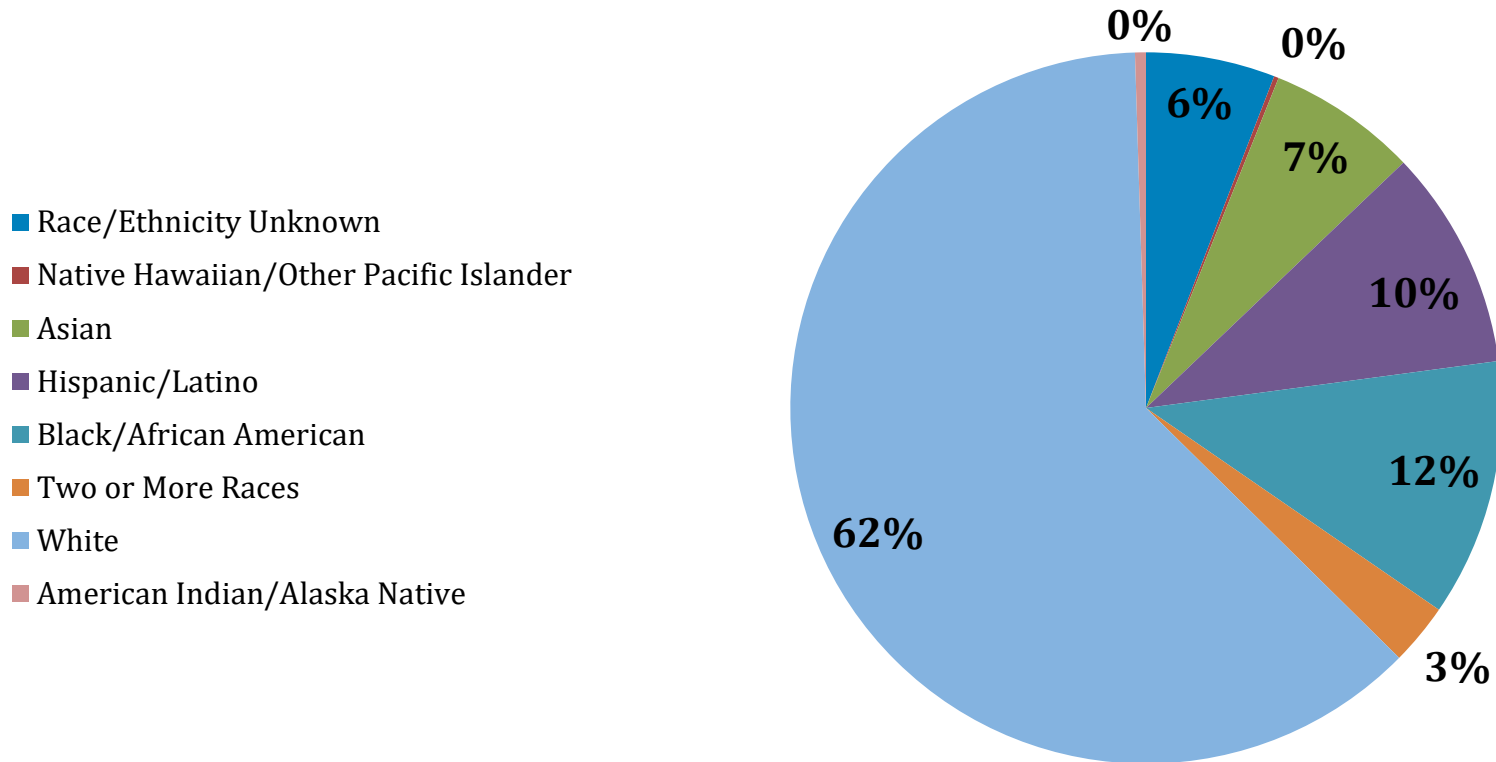


# Women had faster annual average % change in first-time enrollment within most Engineering fine fields, 2005 to 2015

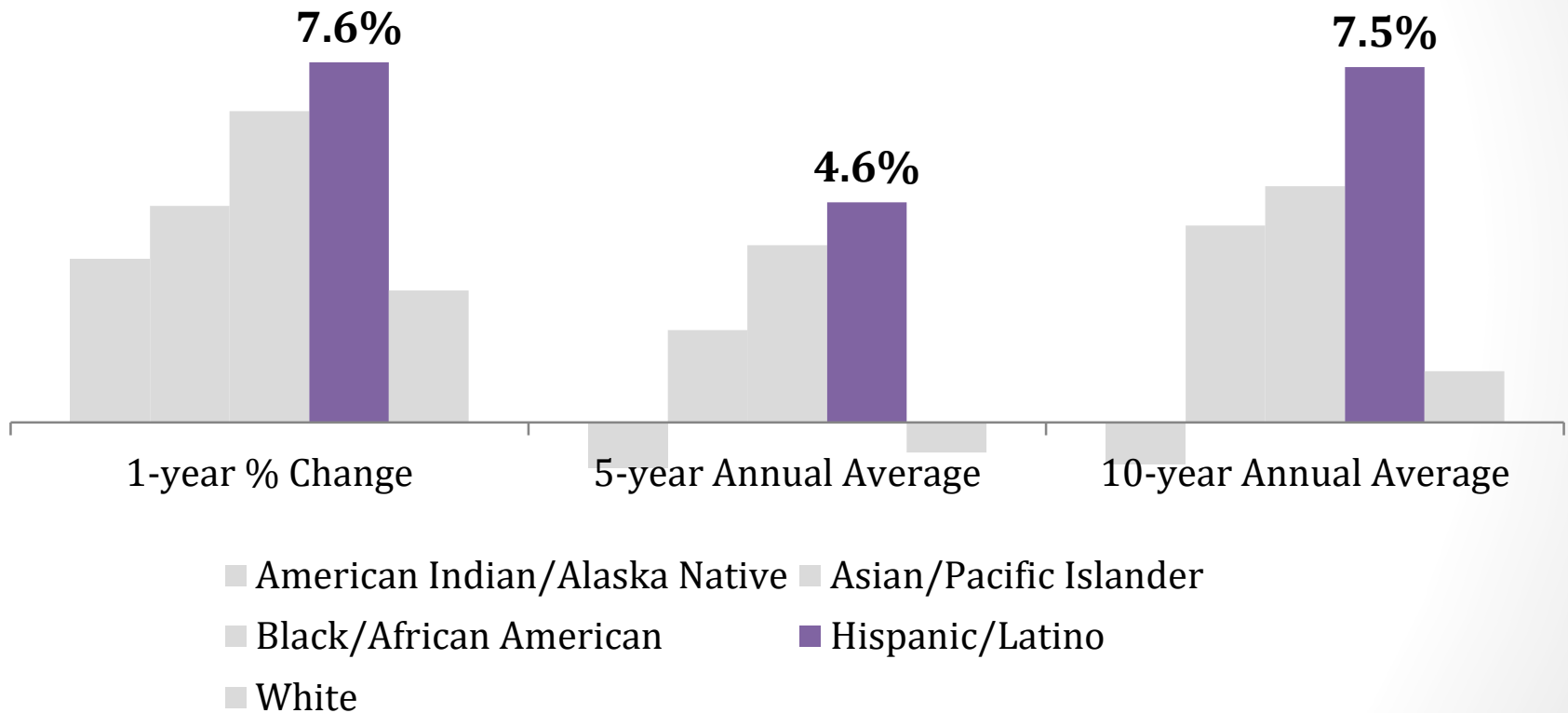


# Race/Ethnicity & First-Time Enrollment

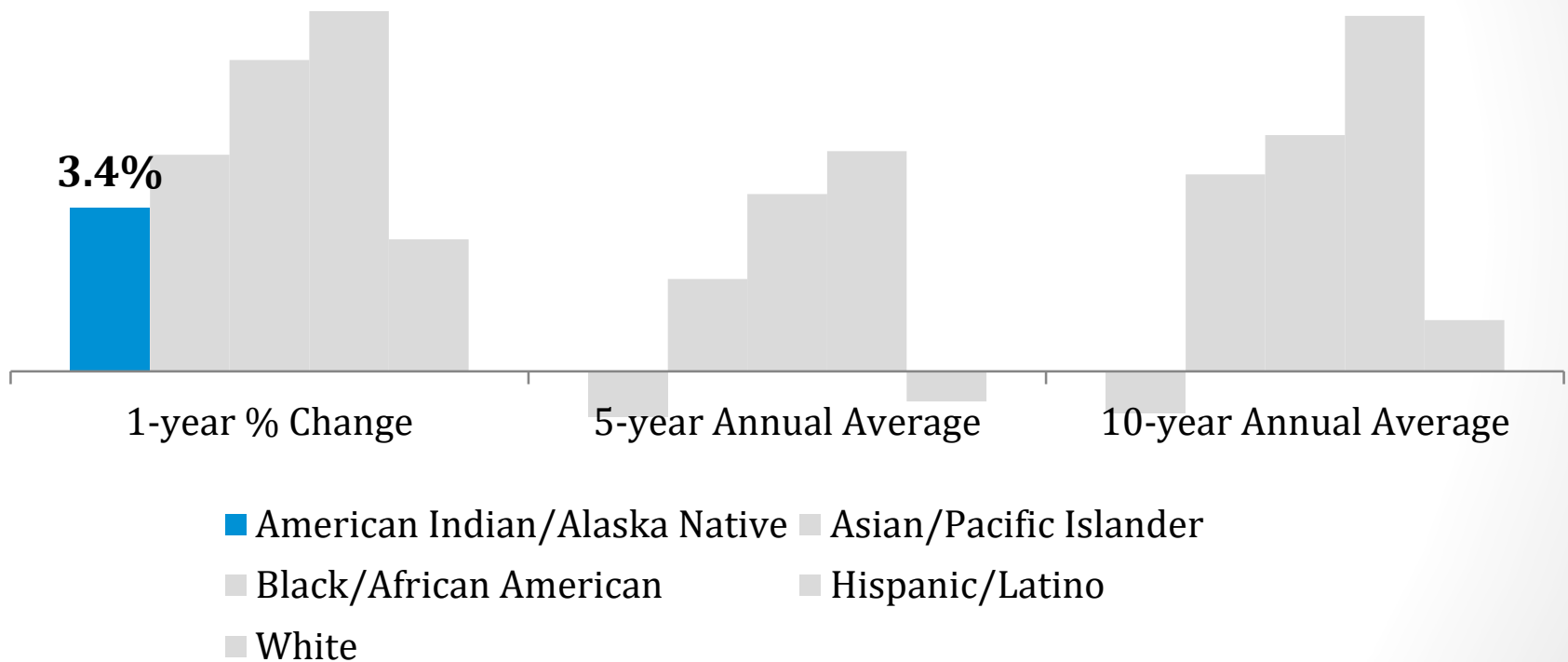
# U.S. Citizen and Permanent Resident First-Time Enrollment by Race/Ethnicity, Fall 2015



# Growth in first-time enrollment of Hispanic/Latino students highest among all URM<sup>s</sup>

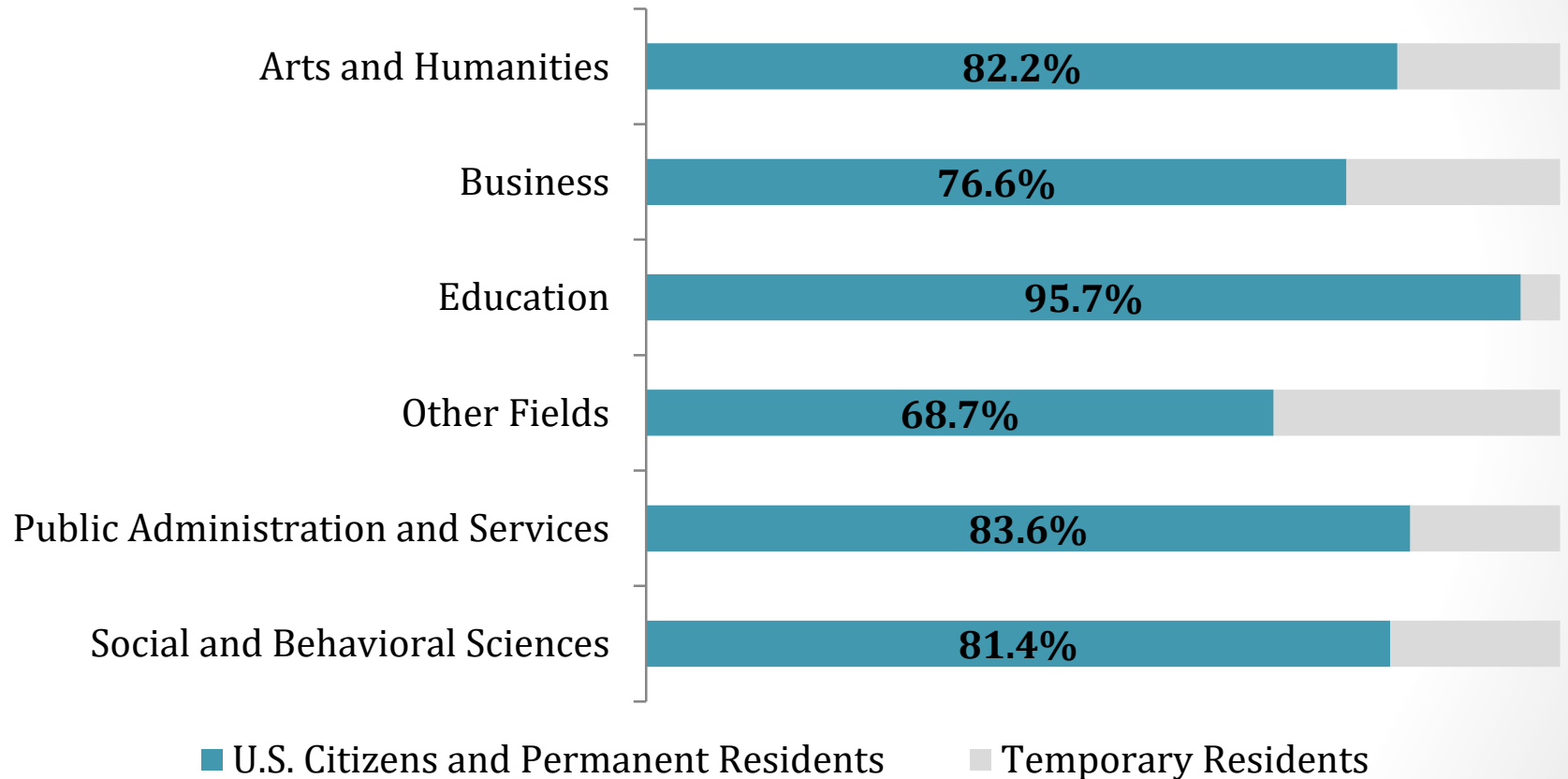


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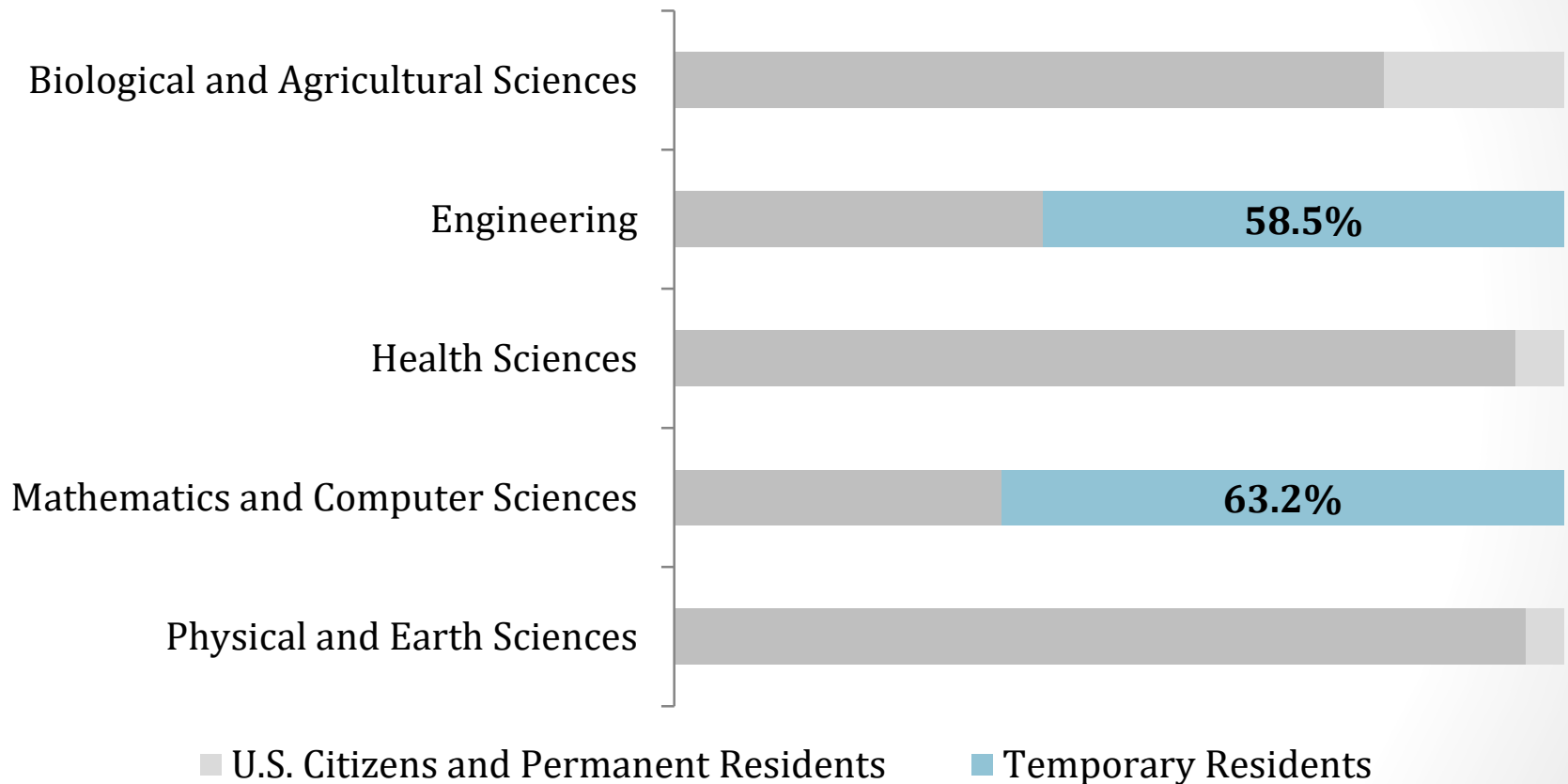


# Citizenship Status & First-Time Enrollment

# Domestic students are the majority of first-time enrollees in all non-STEM fields, but ...



# International students are the majority in Engineering and Mathematics and Computer Sciences

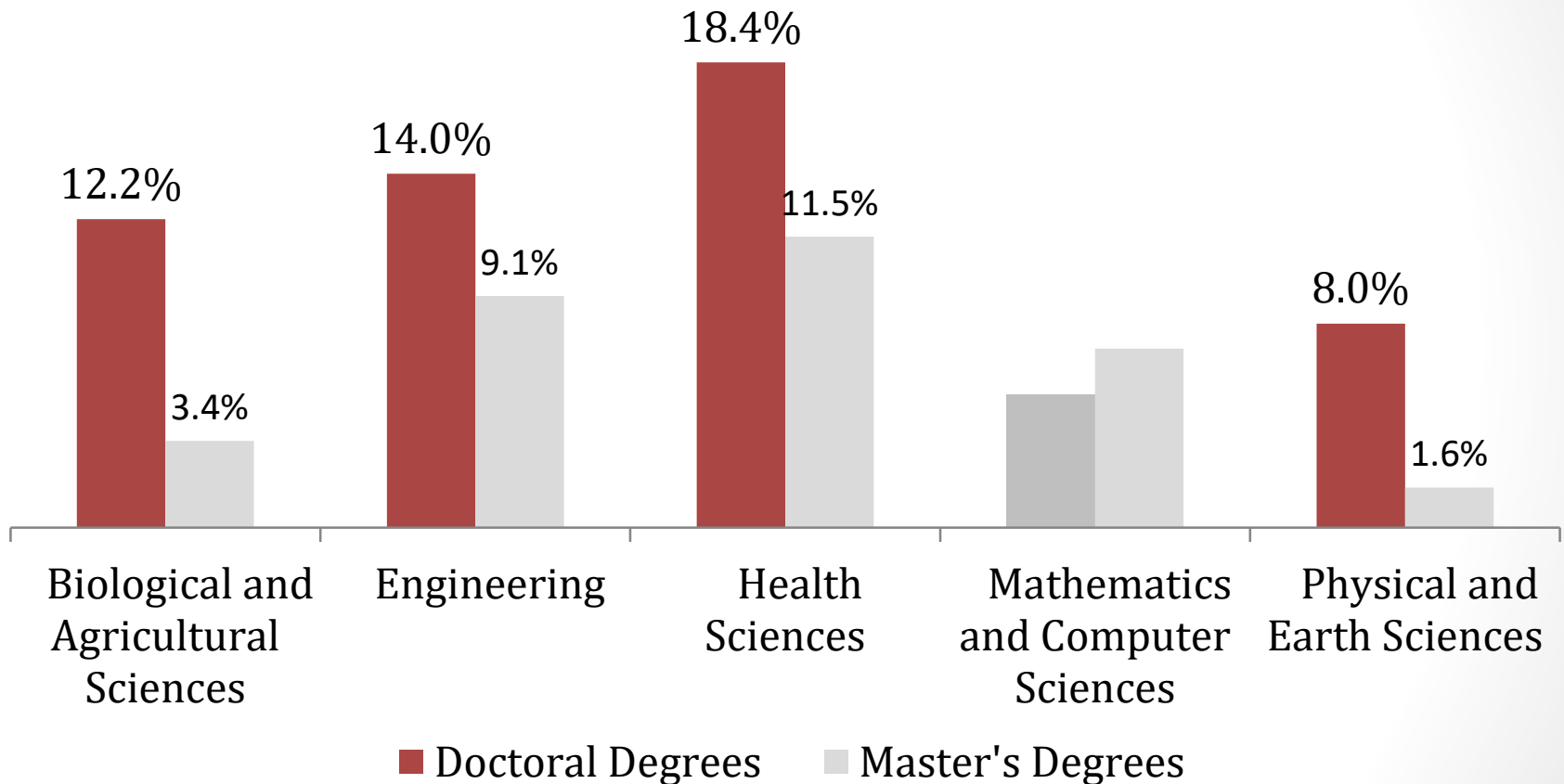




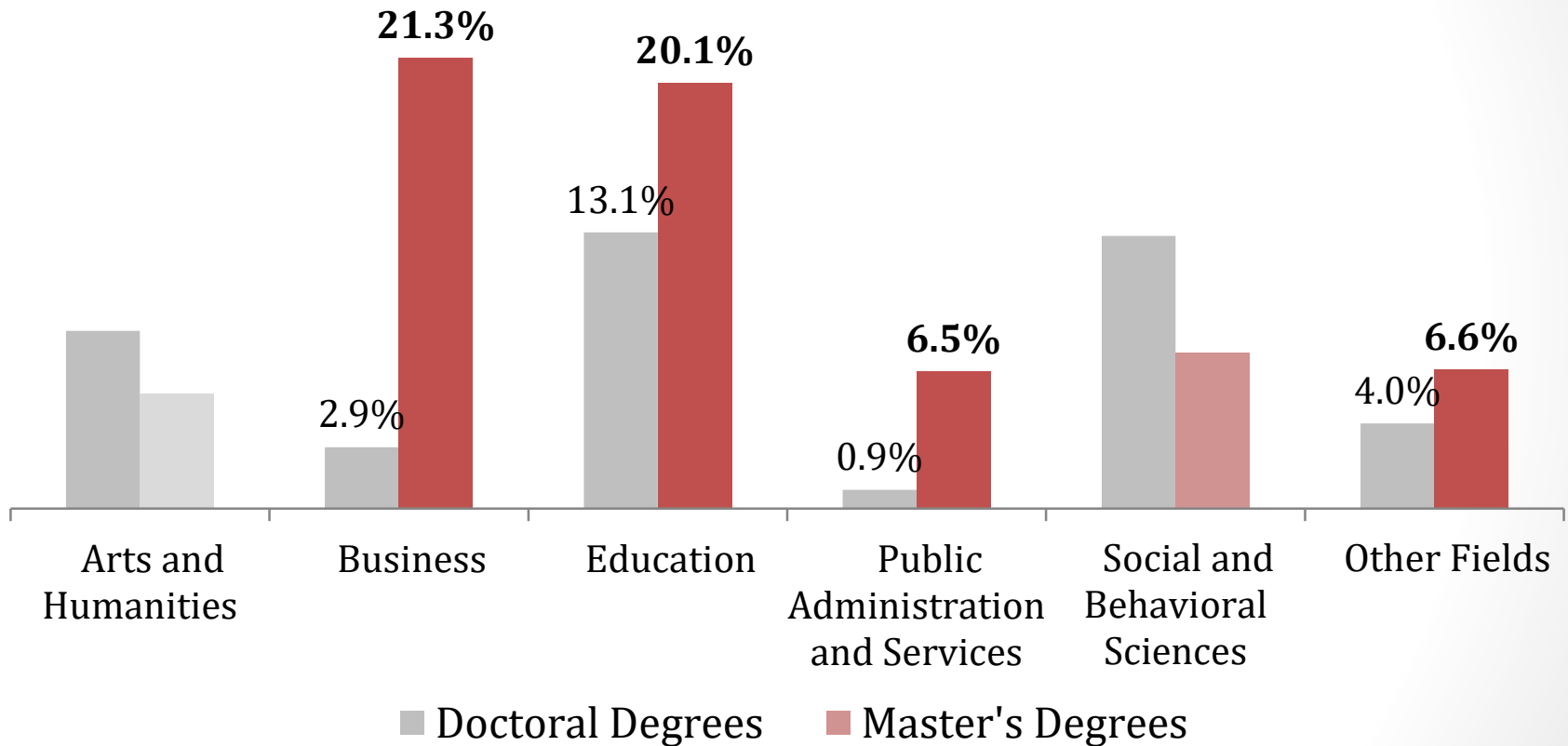
# Stronger growth in first-time enrollment for domestic students

	2013-2014		2014-2015	
	<i>U.S. Citizens and Permanent Residents</i>	<i>Temporary Residents</i>	<i>U.S. Citizens and Permanent Residents</i>	<i>Temporary Residents</i>
1-year % change	<b>1.3%</b>	11.2%	<b>3.8%</b>	5.7%
5-year annual average	<b>-0.4%</b>	10.1%	<b>0.5%</b>	10.7%
10-year annual average	<b>1.9%</b>	9.8%	<b>2.1%</b>	9.4%

# Larger share of doctoral degrees awarded in STEM broad fields, Fall 2015



# Larger share of masters degrees awarded in non-STEM broad fields, Fall 2015



# Faster growth\* in master's degrees awarded in Engineering and Mathematics and Computer Sciences broad fields

	Master's	Doctoral
Arts and Humanities	-1.4%	2.2%
Biological and Agricultural Sciences	1.8%	2.0%
Business	-3.1%	6.2%
Education	-6.2%	0.1%
<b>Engineering</b>	<b>8.4%</b>	<b>3.3%</b>
Health Sciences	-2.3%	5.6%
<b>Mathematics and Computer Sciences</b>	<b>40.5%</b>	<b>-3.5%</b>
Physical and Earth Sciences	1.0%	1.1%
Public Administration and Services	3.7%	0.0%
Social and Behavioral Sciences	-2.4%	0.5%
Other Fields	-0.4%	13.7%

*% Change, '13/14 - '14/15*

Do these findings resonate with what you know about trends in graduate enrollment?

What is driving these changes?

What are some implications for the future?

Any implications for policy?