



# UTRN

Urban Transfer Research Network





**Student Enrollment Pattern  
Characteristics: Contributors to  
Community College Student Transfer  
and Bachelor's Degree Attainment in  
an Urban Metropolitan Region**

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**&**

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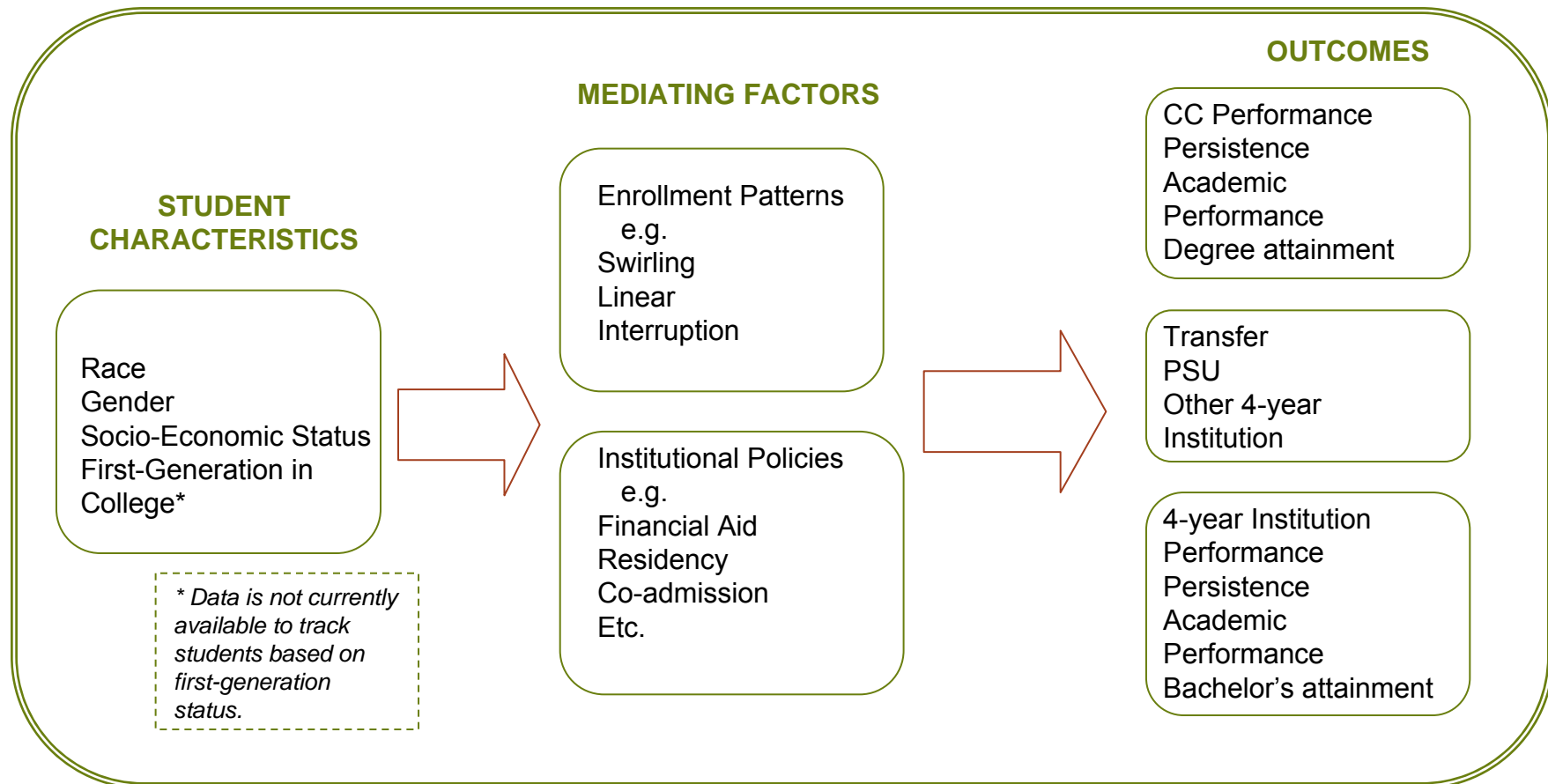
## About the Project

- The Urban Transfer Research Network is a collaborative multi-institutional research project focused on underrepresented students who begin their postsecondary careers at community colleges and have a goal of attaining at least the Bachelor's degree.
- By the end of the project, the network will include urban regions from across the U.S. in order to have a broad impact on Bachelor's degree attainment rates by underrepresented students.

## Research Questions

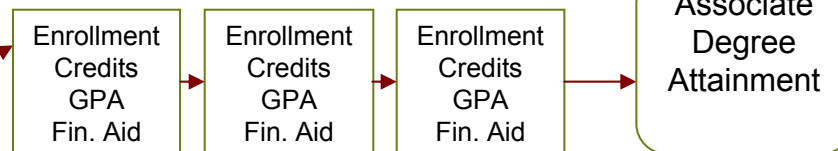
- What are the pathways through higher education that lead to successful Bachelor's Degree completion?
- How do transfer patterns and degree attainment rates of various sub-groups differ?
- What are the major contributors to discrepancies in attainment rates?
- What changes in current policy and practice or new policy and programs would increase Bachelor's degree attainment rates?

## Research Design

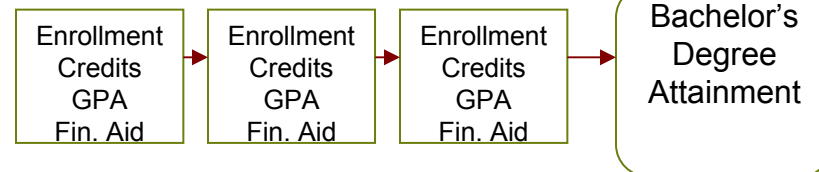


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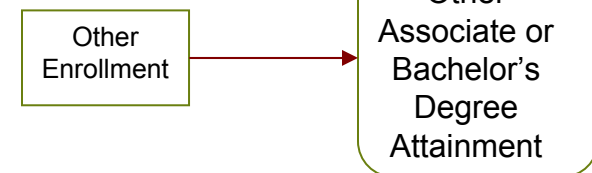
Term by term enrollment at MHCC, PCC and Chemeketa CC tracked for six years



Term by term PSU enrollment tracked through Spring 2006



National Student Clearinghouse data tracked through Spring 2006

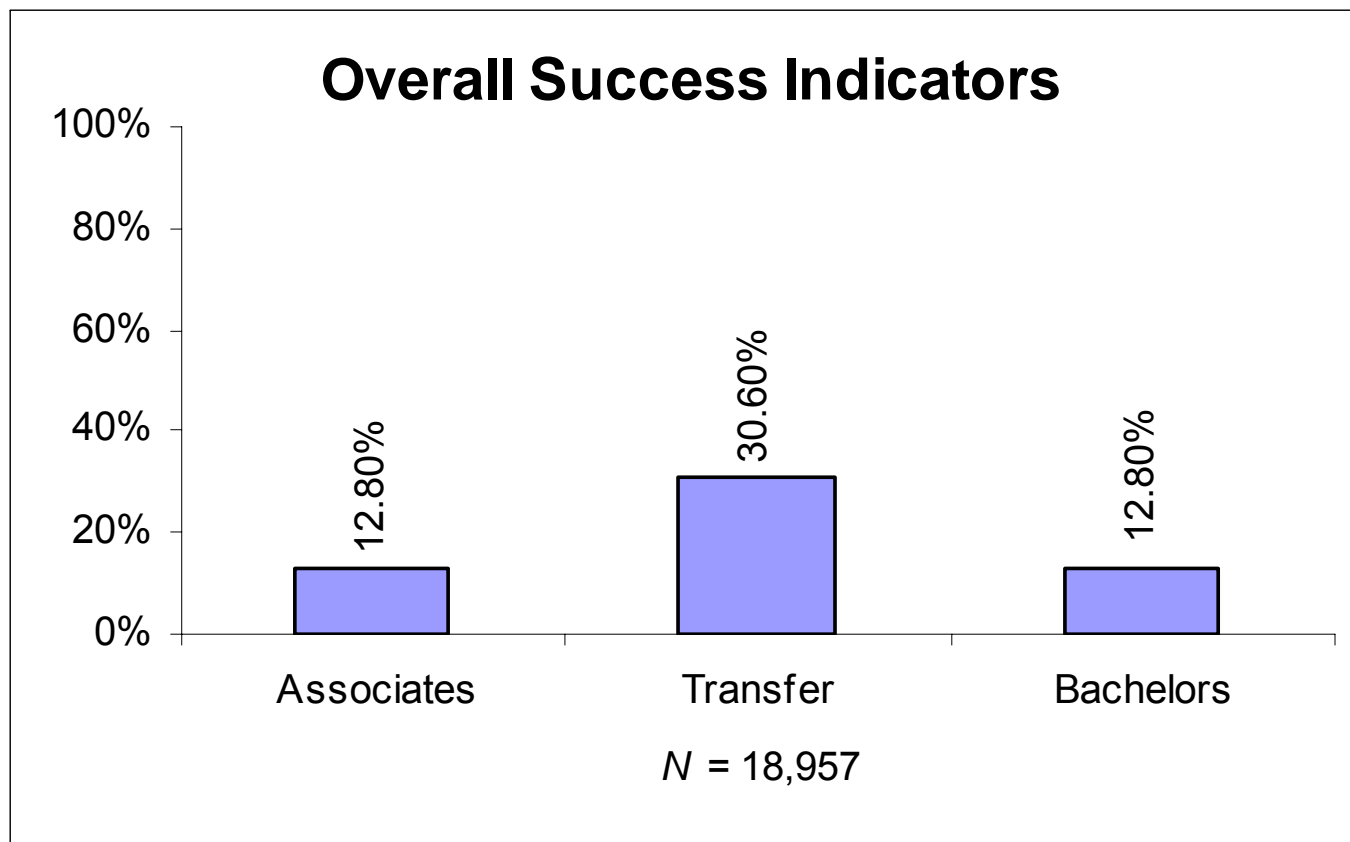


Total N = 18,957

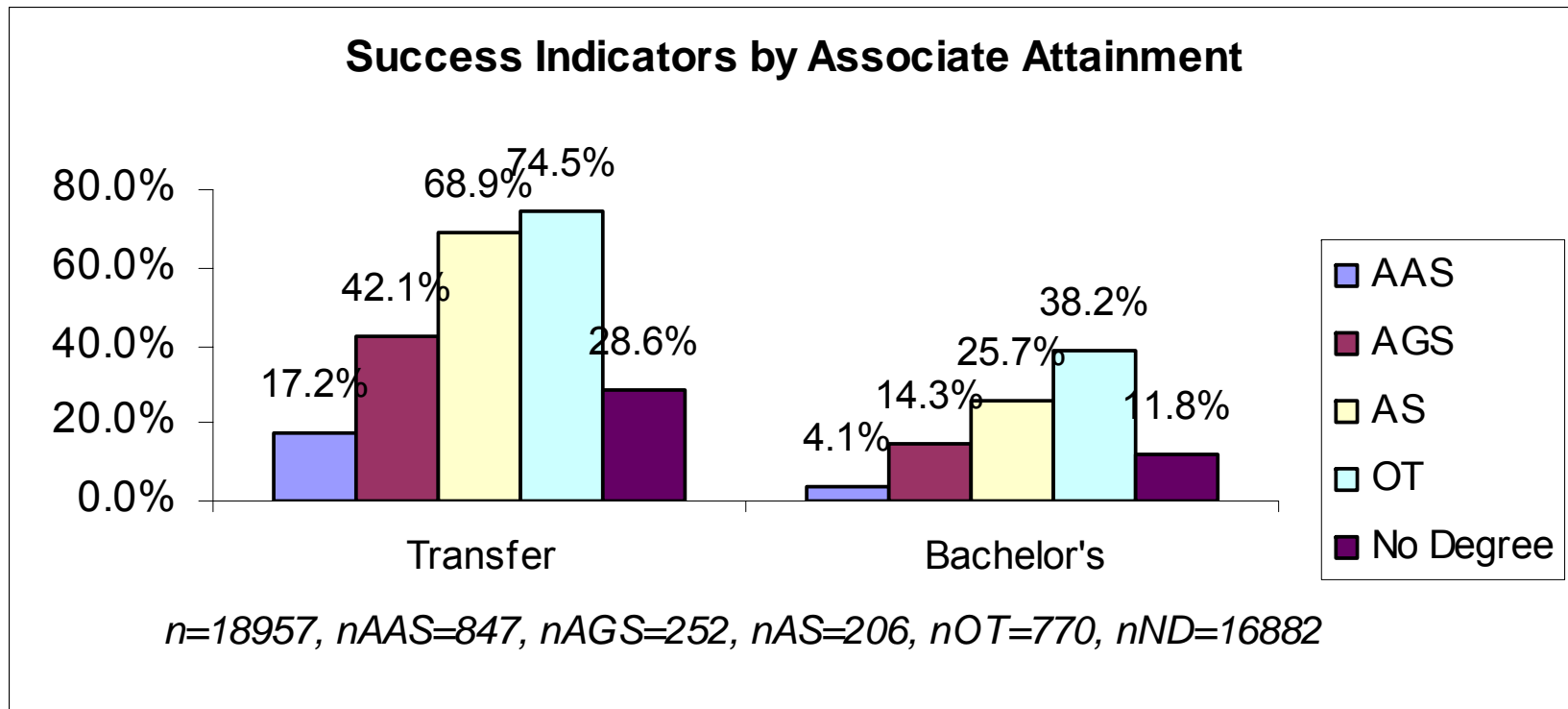
	MHCC	PCC	Chemeketa <sup>a</sup>
1999	n = 2,558	n = 4,330	n = 2,735
2000	n = 2,360	n = 4,404	n = 2,570

Students enrolled in credit-bearing courses for the first time during summer or fall of 1999 or 2000 who attended for more than one term or expressed intent to transfer or were under 20 years old.  
 Excludes students with attendance at any college or university prior to enrollment at the CC.  
 Excludes students who earned an associate or bachelor's degree prior to enrollment at the CC.  
 Excludes students who attended one term but earned no credit at the CC.

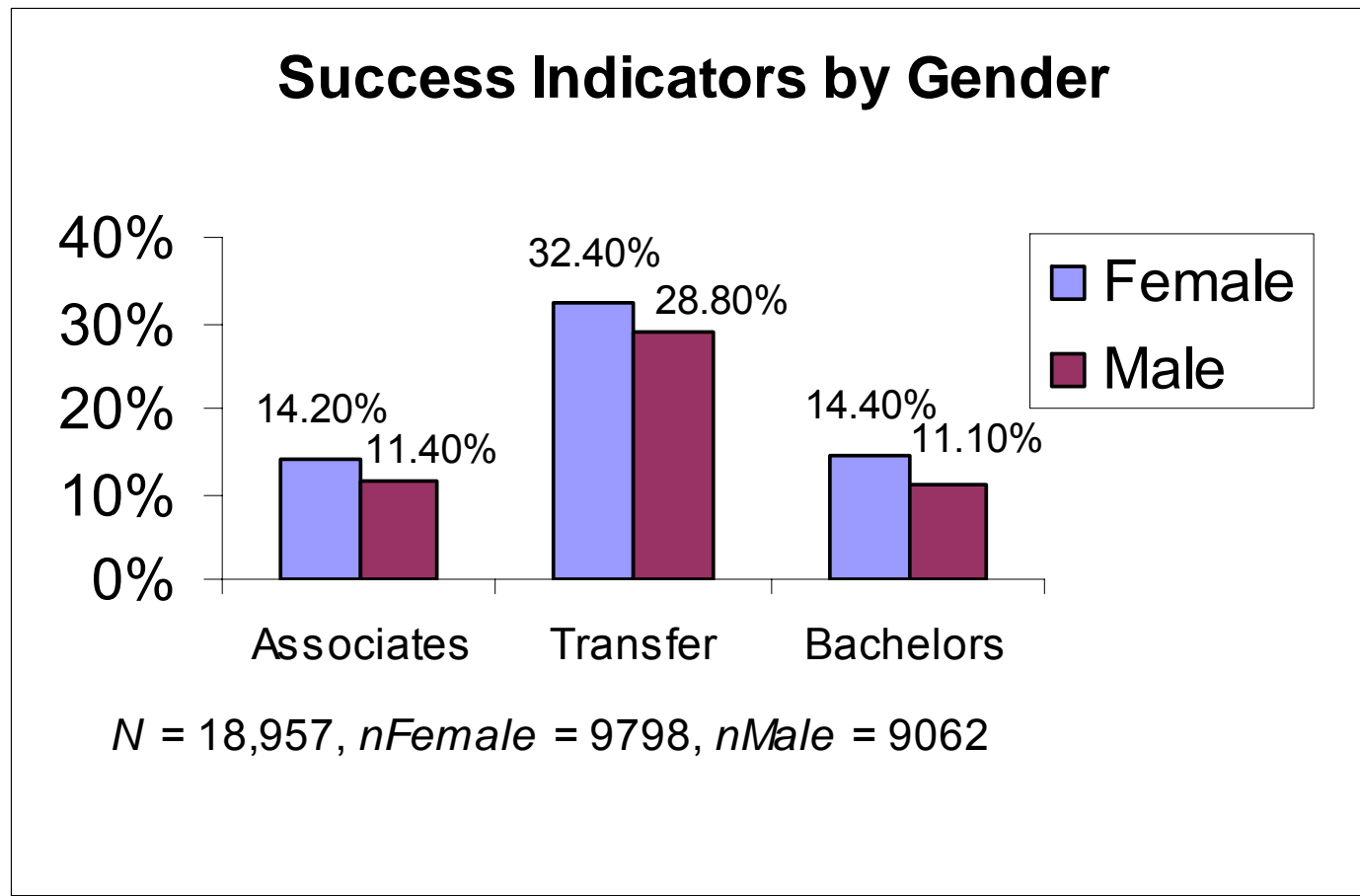
## Overall Attainment Rates



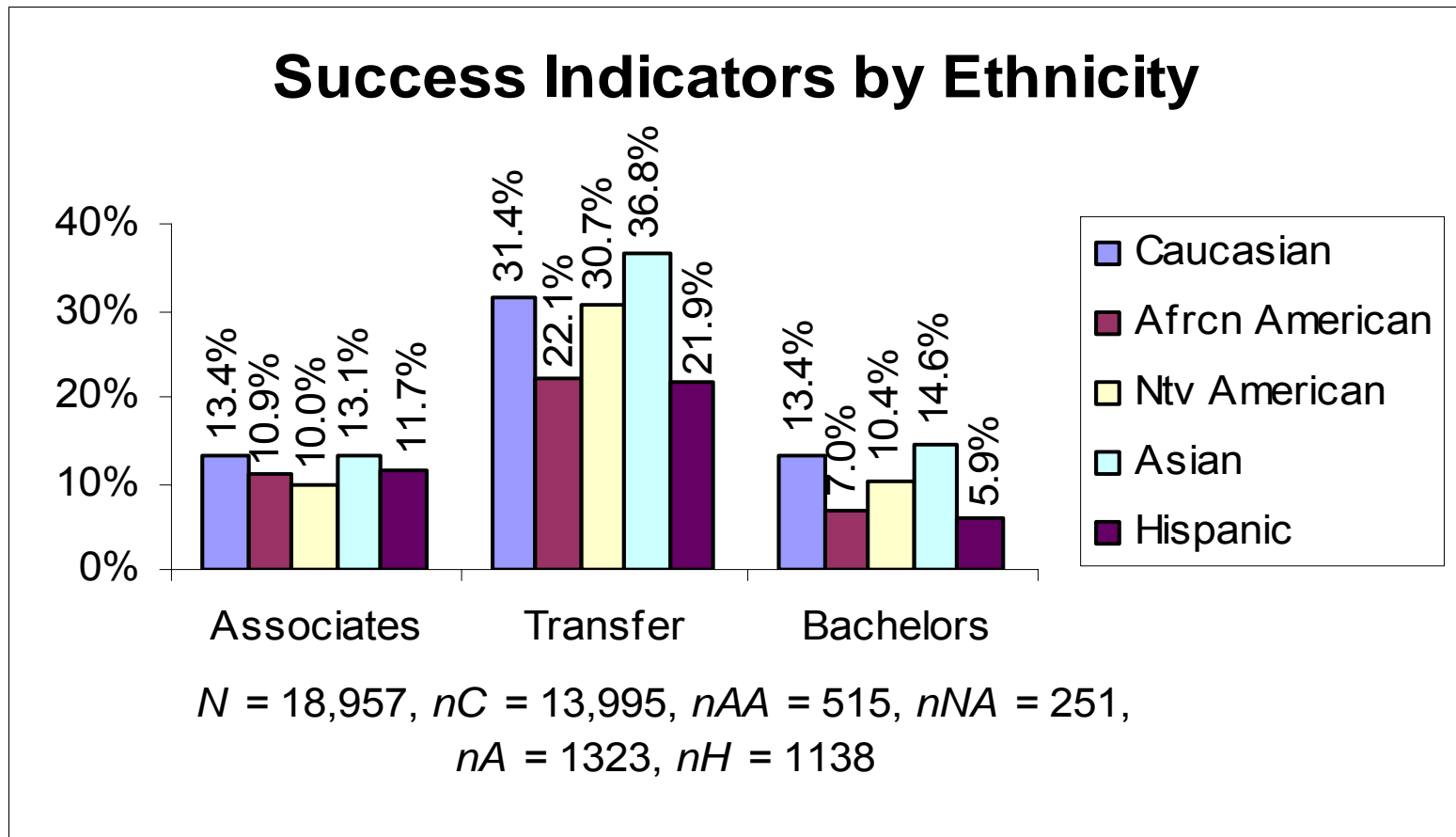
# Student Success by Associate Completion



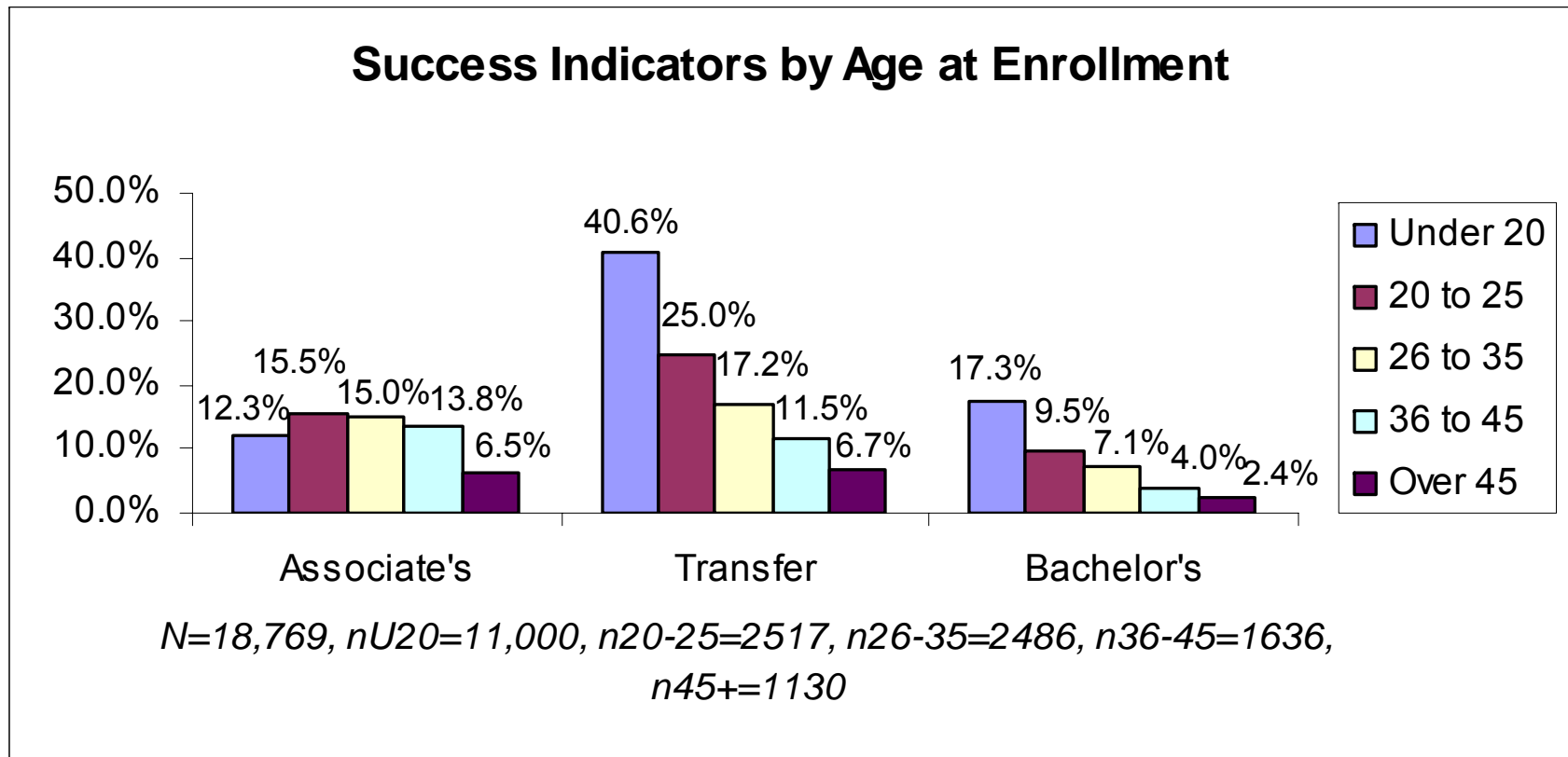
## Student Outcomes by Gender



## Student Outcomes by Ethnicity



## Student Outcomes by Age



## Student Enrollment Pattern Definitions

- Home CC only
- Linear
- Swirl
  - Swirl structured
  - Swirl CC
  - Swirl Complex



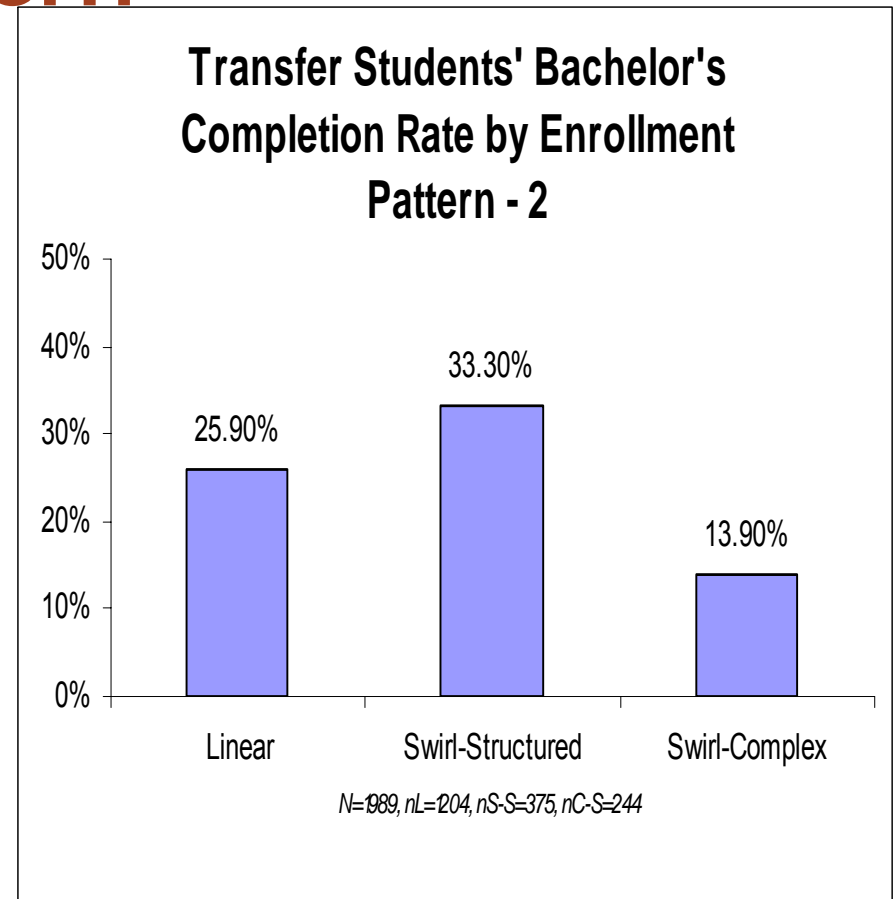
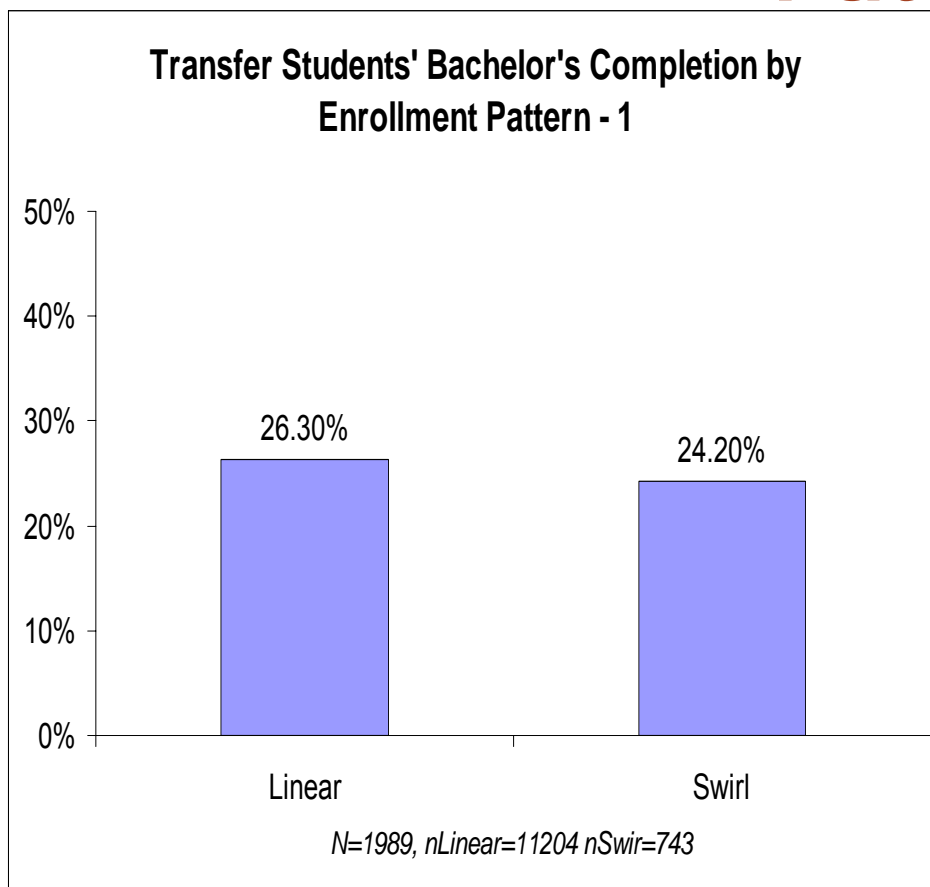
## Overall Patterns of Enrollment

- Most students stay at their home (community college) institution.
- Students who left their home institution were 2x as likely to swirl as have a linear enrollment pattern.

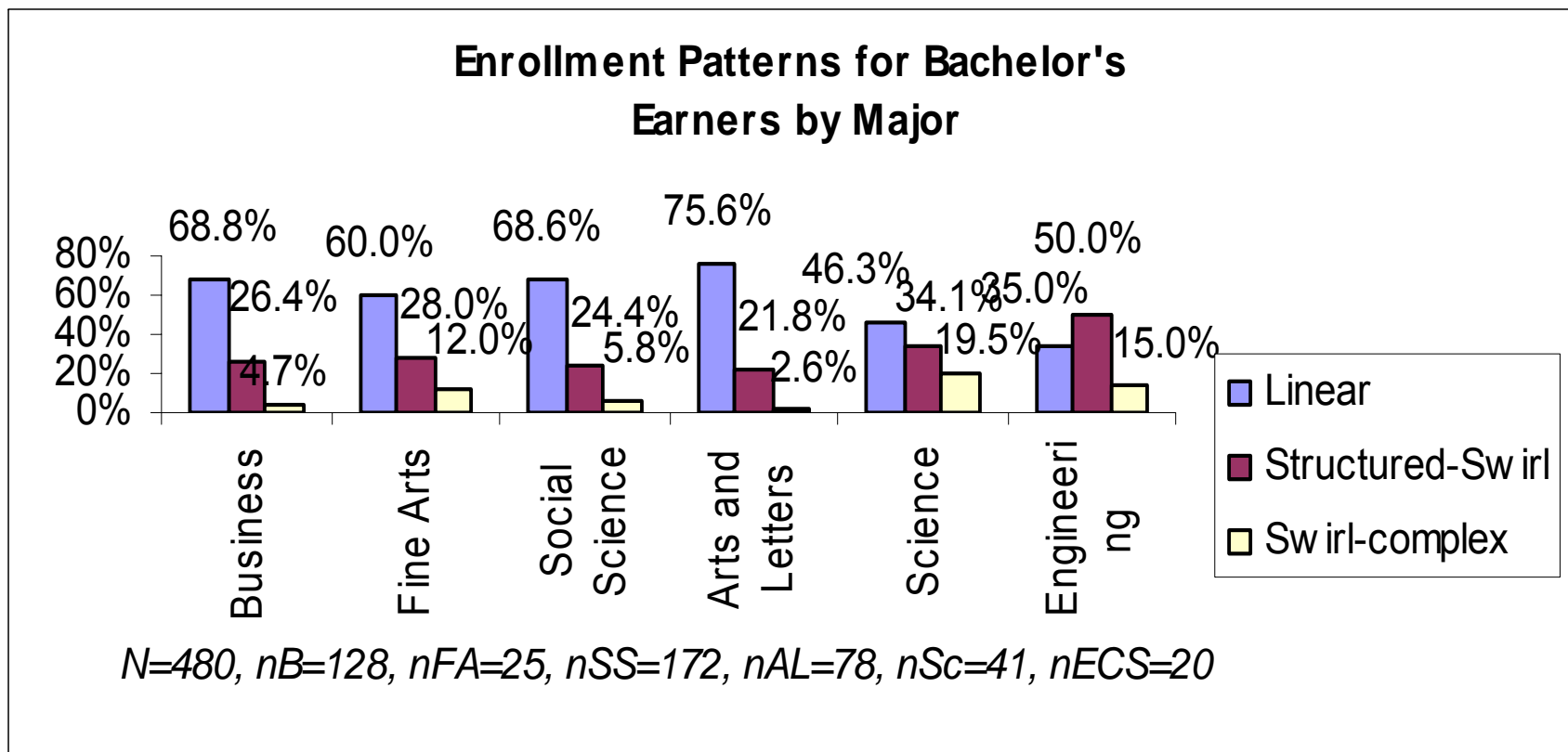
## Subgroup Differences in Patterns of Enrollment

- African American, Hispanic and Caucasian students were more likely than Asian students to stay at their home institution
- Asian and African American students were the most likely to demonstrate a swirling pattern.
- Asian students who transferred were more likely to swirl than African American, Hispanic or Caucasian students. Hispanics had the lowest rate of swirling.
- Students under 20 years of age were more likely to exhibit linear enrollment patterns. The instance of swirling increases with age.

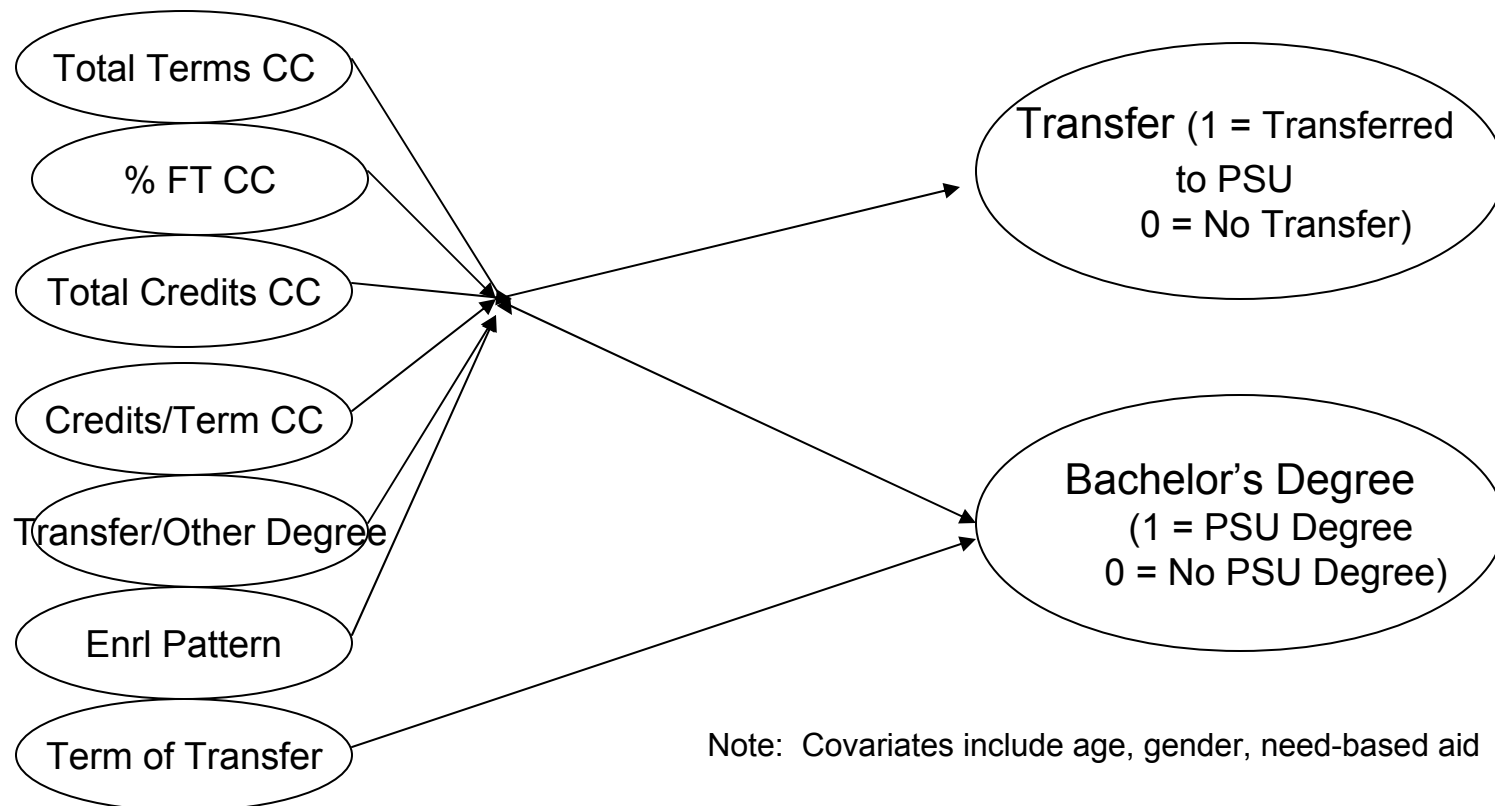
## Bachelor's Completion by Enrollment Pattern



# Bachelor's Majors and Articulation



## What factors predict transfer and bachelor's attainment?



# Factors Contributing to Transfer

Factor	Hispanic/ Latino	Asian/ Pacific Islander	Native American	African American	Caucasia n
Total Terms CC	0.92	0.87	0.72	0.99	0.92
Percent FT CC	1.01	1.00	1.00	1.00	0.99
Total Credits CC	<b>1.02</b>	<b>1.02</b>	<b>1.06</b>	1.02	<b>1.02</b>
Average Credits/Term	0.94	1.02	0.82	1.00	<b>1.09</b>
Earned Transfer Degree	1.22	1.37	1.83	<b>5.19</b>	<b>1.85</b>
Earned Other Assoc	<b>2.48</b>	1.01	0.00	0.61	0.81
Structured Swirl v. Linear	<b>1.58</b>	<b>1.86</b>	1.24	<b>1.69</b>	<b>1.71</b>
Received CC Need-Based Aid	0.94	0.62	1.15	1.04	0.79
Age	0.97	0.90	1.00	0.96	0.98
Female v. Male	0.95	1.00	1.06	0.74	<b>1.18</b>
	<i>Positive</i>	<i>Negative</i>			

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## Factors Contributing to Bachelor's Degree for Transfer Students

Factor	Hispanic/ Latino	Asian/ Pacific Islander	African American	Caucasian
Total Terms CC	0.57	0.73	0.10	0.81
Percent FT CC	1.02	1.00	0.92	1.00
Total Credits CC	1.05	1.03	<b>1.37</b>	<b>1.03</b>
Average Credits/Term	0.87	1.23	0.63	<b>1.09</b>
Earned Transfer Degree	1.06	3.21	415.69	1.30
Earned Other Associate	4.09	1.18	68.55	0.83
Structured Swirl v. Linear	<b>1.38</b>	1.10	<b>3.10</b>	0.96
Term of transfer	0.92	0.91	0.58	0.92
Received Need-Based Aid	0.45	0.74	0.07	0.67
Age	1.04	1.03	1.28	<b>1.05</b>
Female v. Male	<b>3.15</b>	0.82	1.76	<b>1.43</b>

## Summary

- Efficacy of swirling depends on type of swirling and discipline area.
- Outcomes differ by ethnicity and age.
- Patterns differ by ethnicity and age
- Associate degree facilitates transfer, but not baccalaureate completion.



## Questions? Contact:

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