



Board of Higher Education Meeting | February 1, 2011

Vision Project Preview: Graduation & Student Success Rates



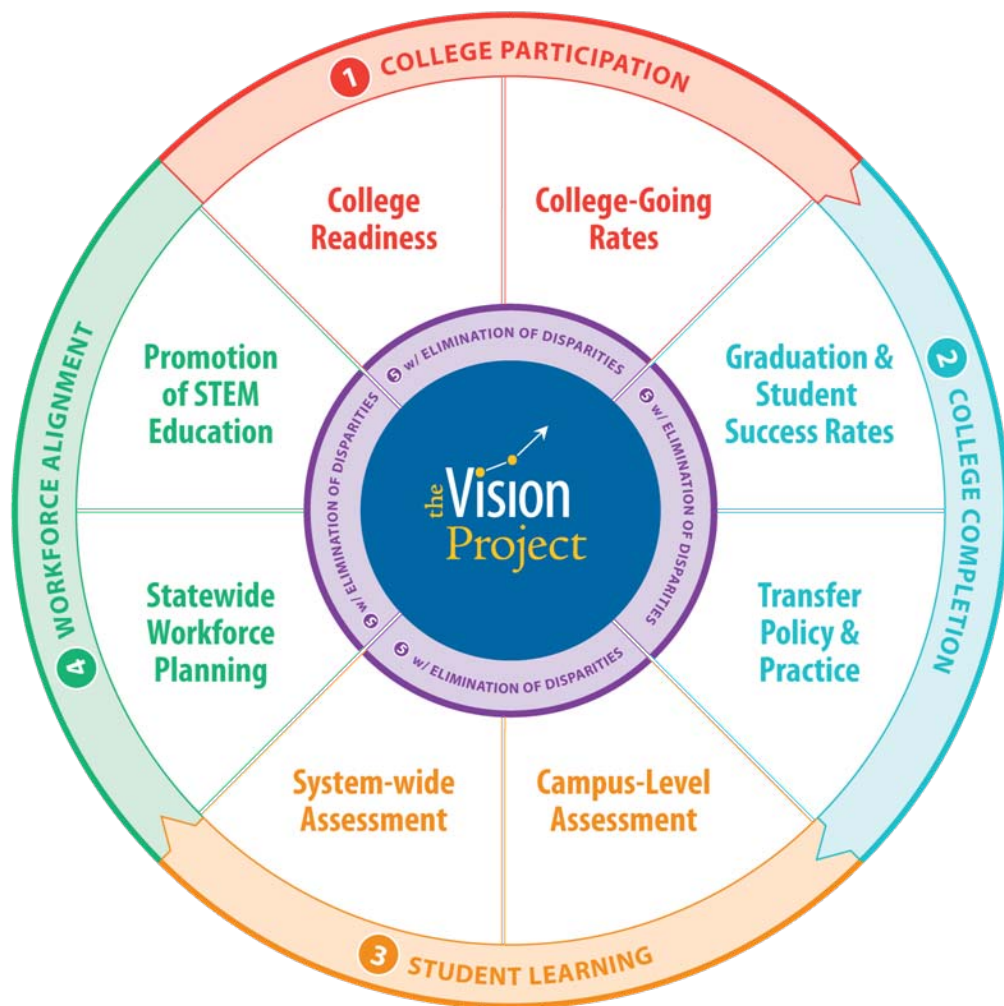
MASSACHUSETTS
Department of
Higher Education



Introduction

Richard M. Freeland, Commissioner

Reference Materials: Educational Work



Reference Materials include summary of:

- Outcomes
- Policy Areas
- Planning Foci
- Planning Groups
- Deliverables
 - 2010-2011
 - 2011+
- Metrics



Preview of College Completion Metrics

Jonathan Keller, Associate Commissioner for
Research, Planning, and Information Systems

College Completion: The Metrics

- **Baccalaureate-seeking:**

- College/university graduation rates *from initial institution*, with national comparisons and disaggregation by student population groups.
- College/university graduation rates *from any institution in the system, state or anywhere in the United States*.

- **Associate's/Certificate-seeking:**

- Community college completion rates *for degrees/certificates*, with national comparisons and disaggregation by student population groups.
- Community college success rates that measure *a range of student outcomes (including transfer to four-year institution and continuous enrollment)*, with national comparisons and disaggregation by student cohort populations.

Summary of Findings

- Both the University of Massachusetts and the state universities have **above-average graduation rates** for baccalaureate-seeking students, but there is need for improvement if they are to lead the nation in their respective classifications.
- Community college graduation rates **trail the national average but have improved** since last year.
- New **comprehensive measures** of community college student success demonstrate that the community colleges are producing valuable **outcomes in addition to degrees/certificates**.
- **Disparities in student success outcomes exist across all three segments** with regard to gender, race and ethnic groups. Black and Hispanic students consistently trail White students on all outcomes. Men are less likely to complete their college education than women.
- Although the **gaps in student success are less than or on par with other states**, closing these gaps is critical to the success of the Vision Project.

Baccalaureate Graduation Rates: UMass

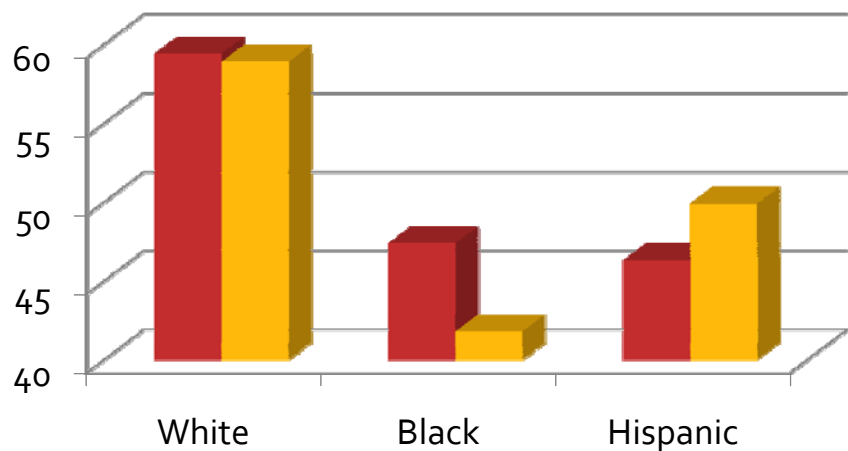
IPEDS Graduation Rate: Six-Year Graduation Rate of First-time, Degree-Seeking Students at UMass with National Graduation Rate Comparison

	Cohort Year	Total	Males	Females	White	Black	Hispanic
University of Massachusetts	1999	57.4%	52.9%	61.6%	60.3%	44.5%	44.7%
	2000	56.5%	51.4%	61.3%	58.9%	42.8%	48.1%
	2001	57.1%	52.8%	61.2%	60.2%	44.5%	47.3%
	2002	57.4%	53.5%	61.4%	59.4%	45.4%	42.4%
	2003	57.9%	55.3%	60.6%	59.4%	47.4%	46.3%
Nat'l Doctoral/Research Extensive	2003	67.1%	64.6%	69.3%	68.6%	51.4%	59.0%
Nat'l Doctoral/Research Intensive	2003	49.5%	46.0%	52.4%	53.4%	32.7%	43.8%
Masters Colleges and Universities I	2003	46.7%	42.0%	50.2%	50.7%	34.2%	38.5%
National Weighted Carnegie Avg.	2003	58.9%	55.5%	61.7%	61.6%	41.8%	49.9%

Note: UMA is Doctoral Extensive, UMB and UML are Doctoral Intensive, and UMD is Masters Colleges Universities I.

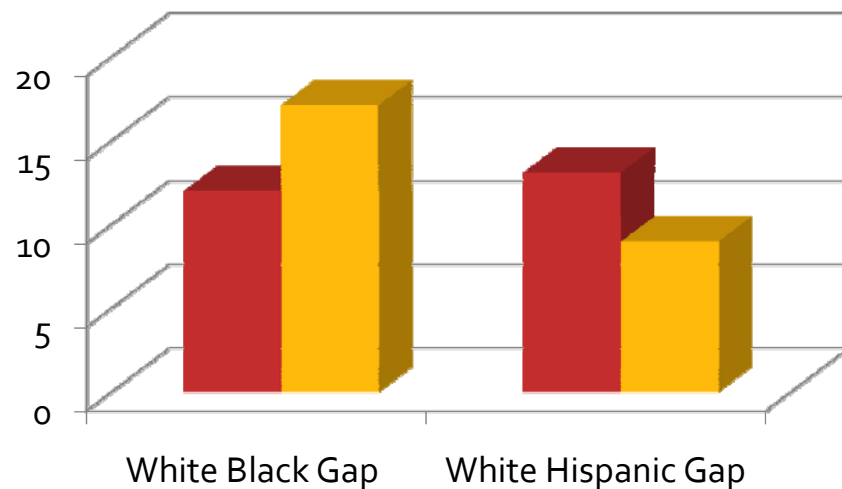
Baccalaureate Graduation Rates: UMass

Six-Year Graduation Rate of 2003 Entering Cohort



■ University of Massachusetts
■ National Weighted Carnegie Average

Graduation Rate Percentage Point Gap



■ University of Massachusetts
■ National Weighted Carnegie Average

Vision Project Preview: *College Completion*

Baccalaureate Graduation Rates: UMass

University of Massachusetts National Rankings Based on States with At Least One Doctoral Extensive, Doctoral Intensive, and Master 1 Institution: 2003 Entering Cohort

Total 2003 Entering Cohort			
Rank	State	Schools	Grad Rate
1	VA	11	68.8%
2	NJ	10	65.6%
3	SC	7	65.3%
4	CA	28	64.7%
5	PA	18	64.6%
6	MI	13	61.1%
7	FL	10	60.0%
8	NC	12	59.8%
9	IL	11	59.8%
10	NY	24	59.2%
11	MA	4	57.9%
12	CO	7	57.9%
13	OH	11	57.4%

Male 2003 Entering Cohort			
Rank	State	Schools	Grad Rate
1	NJ	10	52.7%
2	VA	11	51.0%
3	SC	7	50.5%
4	FL	10	49.3%
5	MA	4	47.4%
6	PA	18	46.9%
7	NY	24	46.6%
8	CA	28	46.4%
9	NC	12	45.9%
10	CO	7	45.7%
11	MS	6	43.2%
12	MO	10	39.9%
13	TN	9	37.8%

Female 2003 Entering Cohort			
Rank	State	Schools	Grad Rate
1	VA	11	71.6%
2	NJ	10	70.0%
3	SC	7	67.3%
4	PA	18	67.1%
5	CA	28	66.4%
6	FL	10	63.6%
7	NC	12	63.4%
8	NY	24	62.7%
9	MI	13	62.1%
10	IL	11	61.3%
11	MA	4	60.6%
12	MO	10	60.3%
13	OH	11	59.7%

Note: All three charts based on data for the 25 states with at least one institution in each relevant Carnegie Class.

Vision Project Preview: *College Completion*

Baccalaureate Graduation Rates: UMass

University of Massachusetts National Rankings Based on States with At Least One Doctoral Extensive, Doctoral Intensive, and Master 1 Institution: 2003 Entering Cohort

White 2003 Entering Cohort			
Rank	State	Schools	Grad Rate
1	VA	11	72.6%
2	NJ	10	69.4%
3	SC	7	69.0%
4	CA	28	67.9%
5	PA	18	67.3%
6	IL	11	65.2%
7	NC	12	64.7%
8	MI	13	64.4%
9	FL	10	63.2%
10	NY	24	62.2%
...			
14	MO	10	59.5%
15	MA	4	59.4%

Note: Based on 25 states with an institution in each Carnegie class

Black 2003 Entering Cohort			
Rank	State	Schools	Grad Rate
1	VA	11	65.4%
2	SC	7	62.8%
3	CA	28	62.5%
4	PA	18	61.5%
5	NJ	10	60.8%
6	MI	13	59.7%
7	IL	11	58.0%
8	CO	7	56.3%
9	NC	12	55.4%
10	MA	4	55.3%
11	FL	10	55.0%
12	NY	24	54.9%
13	OH	11	54.6%

Note: Note: Based on 24 states with an institution in each Carnegie class and a cohort >=100

Hispanic 2003 Entering Cohort			
Rank	State	Schools	Grad Rate
1	VA	11	64.4%
2	NC	12	59.0%
3	PA	18	57.7%
4	SC	7	57.3%
5	FL	10	57.0%
6	MI	13	55.4%
7	CA	28	53.3%
8	NJ	10	53.0%
9	OH	11	51.7%
10	AL	13	49.8%
11	CO	7	47.6%
12	MO	10	47.0%
13	MA	4	46.3%

Note: Note: Based on 24 states with an institution in each Carnegie class and a cohort >=100

Vision Project Preview: *College Completion*

Baccalaureate Graduation Rates: State Universities

IPEDS Graduation Rate: Six-Year Graduation Rate of First-time, Degree-Seeking Students at the **State Universities** with National Graduation Rate Comparison

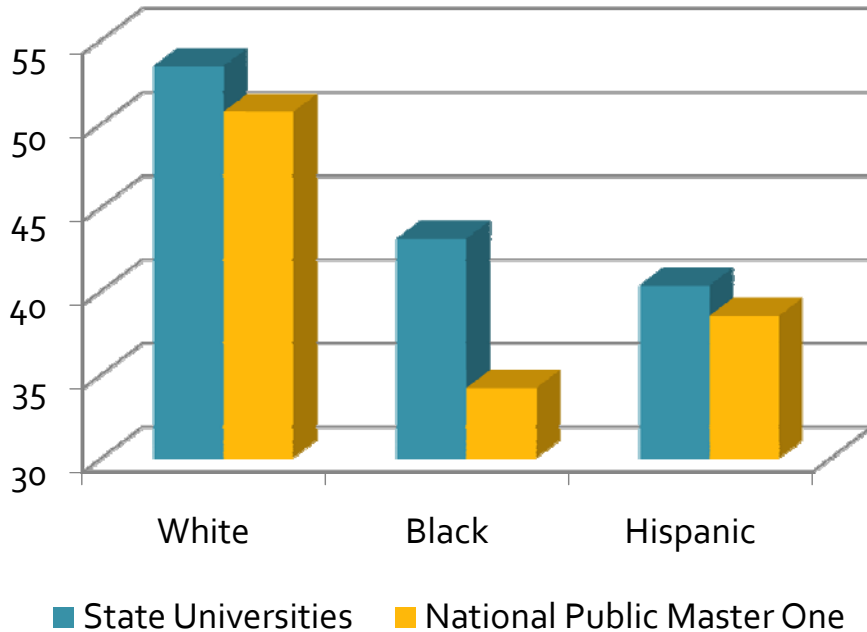
	Cohort Year	Total	Males	Females	White	Black	Hispanic
State Universities	1999	49.0%	45.4%	51.5%	50.7%	43.9%	36.3%
	2000	50.6%	46.3%	53.5%	52.3%	38.1%	44.3%
	2001	47.4%	42.9%	50.5%	48.0%	41.2%	38.3%
	2002	51.4%	47.9%	53.9%	53.1%	41.2%	35.4%
	2003	51.9%	47.6%	54.9%	53.4%	43.1%	40.3%
Public Masters Colleges and Universities I	2003	46.7%	42.0%	50.2%	50.7%	34.2%	38.5%
<i>Baccalaureate Colleges - Liberal Arts</i>	2003	47.5%	45.0%	49.8%	49.5%	46.8%	40.7%
<i>Schools of art, music, and design</i>	2003	58.9%	53.7%	62.8%			

Note: Six of the nine state universities are public master one institutions.

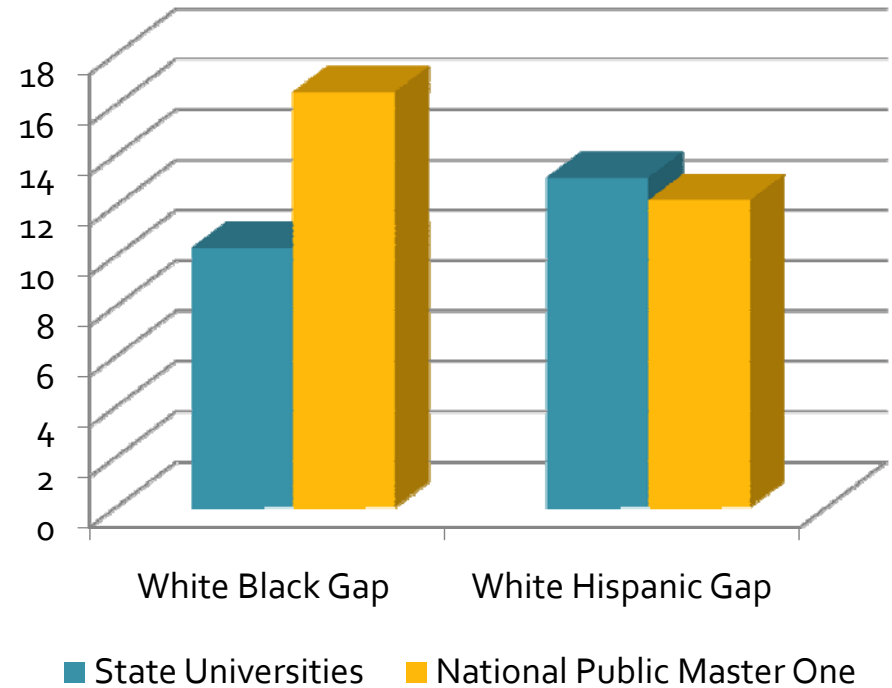
Vision Project Preview: *College Completion*

Baccalaureate Graduation Rates: State Universities

Six-Year Graduation Rate of 2003 Entering Cohort



Graduation Rate Percentage Point Gap



Vision Project Preview: *College Completion*

Baccalaureate Graduation Rates: State Universities

State University National Rankings Based on a Combined Graduation Rate Public Graduation Rate for Master 1, Baccalaureate Liberal Arts, Schools of Art, Music, and Design, Other Specialized Institution

Total 2003 Entering Cohort			
Rank	State	Schools	Grad Rate
1	IA	1	66.5%
2	VA	8	61.9%
3	NJ	8	60.4%
4	WA	4	59.1%
5	WI	9	58.2%
6	SC	5	56.8%
7	NY	23	55.6%
8	PA	16	55.3%
9	NH	2	55.3%
10	MD	10	54.7%
11	MO	6	52.8%
12	MA	9	51.9%
13	NC	10	51.6%

Male 2003 Entering Cohort			
Rank	State	Schools	Grad Rate
1	IA	1	63.0%
2	VA	8	57.0%
3	WI	9	55.5%
4	MD	10	55.1%
5	WA	4	55.0%
6	NJ	8	54.7%
7	SC	5	54.5%
8	NH	2	52.3%
9	NY	23	52.0%
10	PA	16	50.2%
11	MN	6	48.4%
12	MO	6	47.6%
13	MA	9	47.6%

Female 2003 Entering Cohort			
Rank	State	Schools	Grad Rate
1	IA	1	68.7%
2	VA	8	65.5%
3	NJ	8	65.1%
4	WA	4	62.3%
5	WI	9	60.2%
6	PA	16	59.1%
7	SC	5	58.6%
8	NY	23	58.5%
9	NH	2	57.9%
10	MO	6	56.8%
11	NC	10	56.5%
12	MA	9	54.9%
13	MD	10	54.3%

Note: All three charts based on data for the 46 states with at least one institution in one of the relevant Carnegie Classes.

Vision Project Preview: *College Completion*

Baccalaureate Graduation Rates: State Universities

State University National Rankings Based on a Combined Graduation Rate Public Graduation Rate for Master 1, Baccalaureate Liberal Arts, Schools of Art, Music, and Design, Other Specialized Institution

White 2003 Entering Cohort			
Rank	State	Schools	Grad Rate
1	MD	10	70.6%
2	VA	8	68.5%
3	IA	1	67.8%
4	NJ	8	66.3%
5	NY	23	61.0%
6	WA	4	60.8%
7	WI	9	59.4%
8	PA	16	58.5%
9	NC	10	58.3%
10	SC	5	57.4%
11	CA	21	56.2%
12	NH	2	56.1%
13	MO	6	55.6%
14	IL	6	55.3%
15	MA	9	53.4%

Note: Based on data for the 46 states with at least one institution in one of the relevant Carnegie Classes.

Black 2003 Entering Cohort			
Rank	State	Schools	Grad Rate
1	WA	4	54.8%
2	SC	5	52.8%
3	CO	7	48.1%
4	NJ	8	46.8%
5	MA	9	43.1%
6	VA	8	41.6%
7	NY	23	41.0%
8	NC	10	40.4%
9	FL	5	39.5%
10	MS	2	37.6%
11	CT	5	36.6%
12	PA	16	36.4%
13	GA	12	36.2%
14	TN	4	35.9%
15	MD	10	35.5%

Note: Based on data for the 30 states with at least one institution in one of the relevant Carnegie Classes and a cohort >=100

Hispanic 2003 Entering Cohort			
Rank	State	Schools	Grad Rate
1	MD	10	64.0%
2	VA	8	57.4%
3	WA	4	50.4%
4	NC	10	48.7%
5	NJ	8	47.8%
6	FL	5	46.9%
7	MO	6	46.7%
8	PA	16	43.4%
9	CT	5	43.4%
10	CA	21	43.3%
11	WI	9	42.6%
12	NY	23	41.9%
13	MI	6	40.6%
14	MA	9	40.3%
15	CO	7	34.8%

Note: Based on data for the 23 states with at least one institution in one of the relevant Carnegie Classes and a cohort >=100

Baccalaureate Graduation Rates

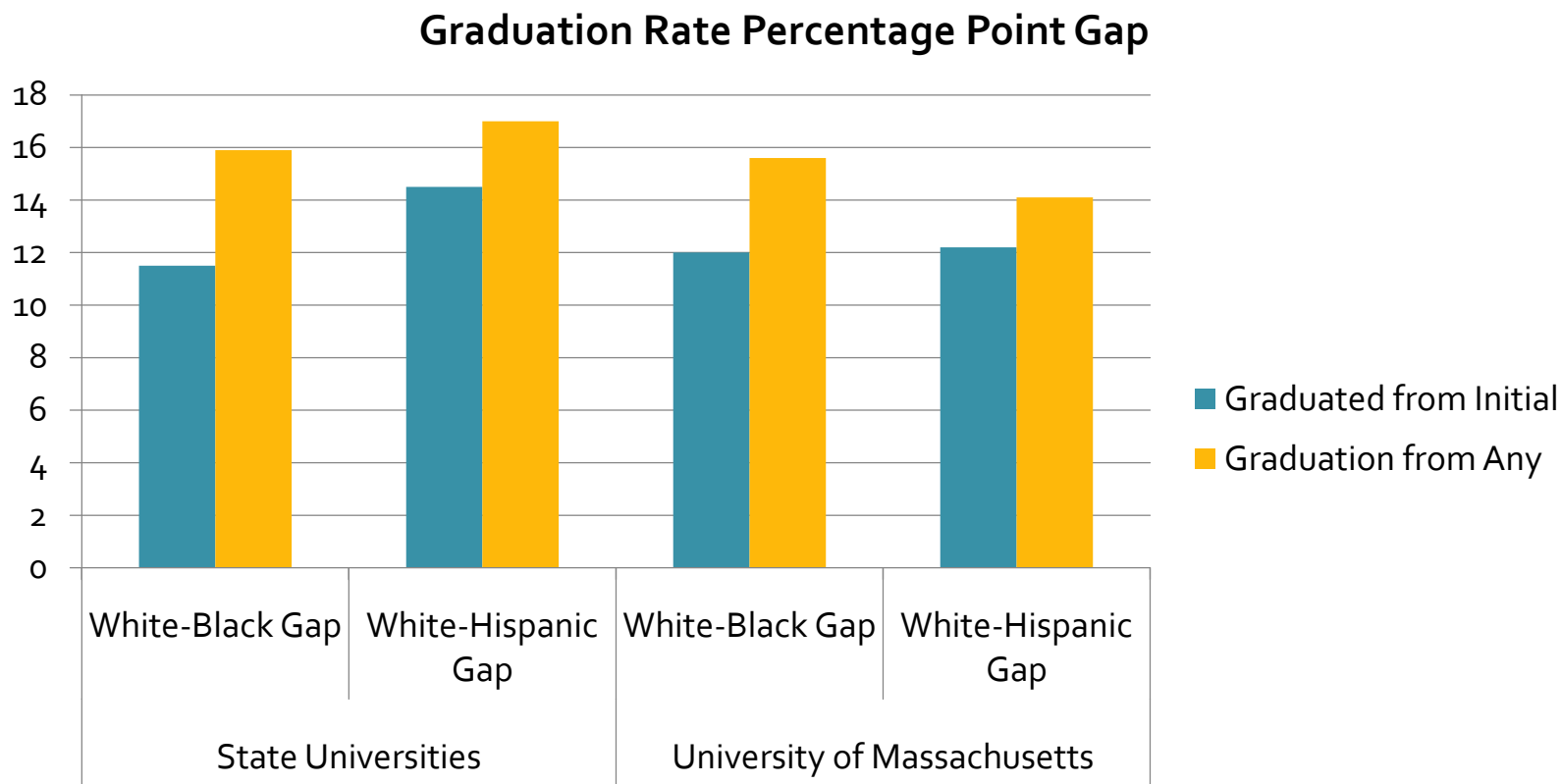
Six-Year Graduation Rate Including Graduation from Institution other than initial for the 2003 Entering Cohort of First-Time, Full-time Degree Seeking Students

Segment		Graduated from Initial Institution	Graduates from Another Institution	Total Graduated
University of Massachusetts	Total	56.1%	13.6%	69.7%
	Male	53.6%	12.1%	65.7%
	Female	58.7%	15.1%	73.8%
	White	57.8%	14.0%	71.8%
	Black	45.8%	10.4%	56.2%
	Hispanic or Latino	45.6%	12.1%	57.7%
State Universities	Total	51.6%	12.9%	64.5%
	Male	47.4%	11.0%	58.4%
	Female	54.6%	14.3%	68.9%
	White	53.1%	13.1%	66.2%
	Black	41.6%	8.7%	50.3%
	Hispanic or Latino	38.6%	10.6%	49.2%

Source: HEIRS and NSC

Note: Cohorts for graduated from initial after six years analysis may vary slightly from IPEDS because of cohort differences.

Baccalaureate Graduation Rates



Source: HEIRS and NSC

Note: Graduated from initial after six years may vary slightly from IPEDS because of cohort differences.

The Community College Context

Community College Context

- Student enter community colleges with diverse backgrounds and varying expectations
- Part-time and initial non-degree seeking enrollment are far more common in community colleges than in four-year institutions
- Students entering Community Colleges are on average less likely to be prepared for college-level work.
- Community College students are more likely to alternate full/part-time status and even stop out and re-enter than students attending four-year institutions.

The Community College Context

Community College National Discussion

- Multiple groups reviewing best methodology for assessing community college student success
- Three major groups have proposed models: Achieving the Dream, The Voluntary Framework of Accountability, and Complete College America.
- The National Center for Education Statistics is currently considering a new measure of community college graduation for use in IPEDS.
- Massachusetts has been engaged in this issue for eight years at both the state and national levels.

Community College Graduation Rates

IPEDS Graduation Rate: *150% of normal time completion of first-time, full-time degree and certificate seeking students.*

Limits/Exclusions of IPEDS Indicator

Excluded Students

- Transfers into the institution.
- Students who begin part-time.
- Re-admitted students.
- Non-degree seeking students.

Excluded Outcomes

- Students who transfer out to other institutions.
- Students who take more than 150% of traditional time to graduate.
- Students who achieve educational goals other than graduation from the original institution in which they enrolled (e.g., acquire a vocational skill).

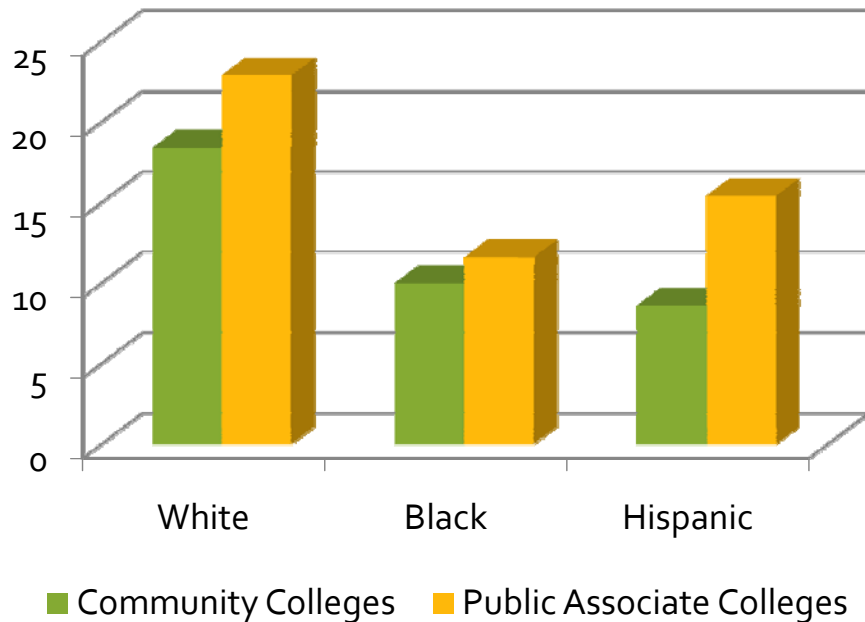
Community College Graduation Rates

150% of Normal Time Completion Rate for Student Entering as First-Time, Full-time Degree/Certificate Seeking Students

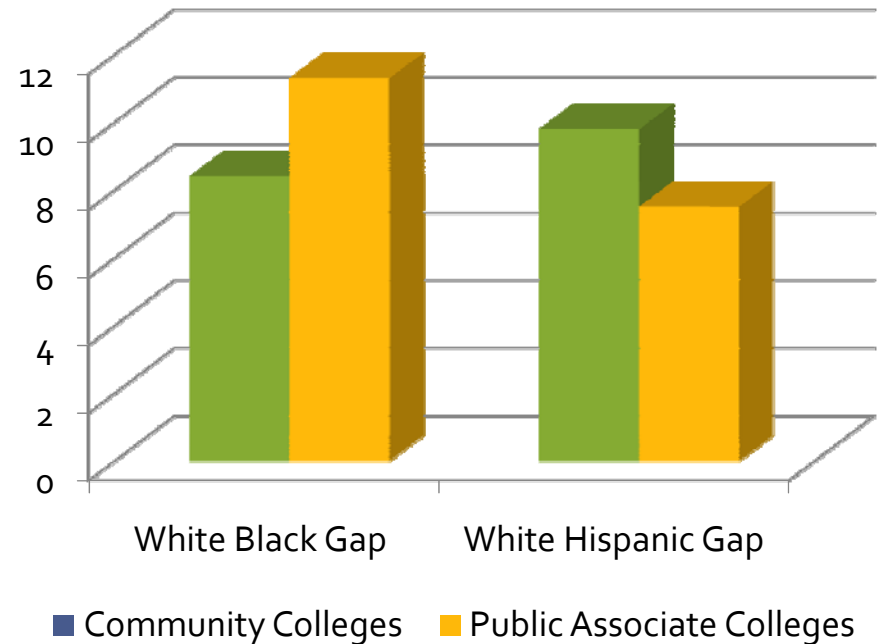
	Cohort Year	Total	Males	Females	White	Black	Hispanic
Community College	2002	17.4%	14.4%	20.2%	20.1%	9.9%	11.2%
	2003	17.5%	15.3%	19.6%	19.5%	8.7%	9.5%
	2004	17.3%	15.7%	18.7%	19.5%	11.7%	10.4%
	2005	15.3%	13.3%	17.2%	17.3%	10.3%	9.0%
	2006	16.2%	15.3%	17.1%	18.4%	7.3%	10.4%
National Public Associate Colleges	2006	20.2%	19.6%	20.7%	22.9%	11.6%	15.4%

Community College Graduation Rates

**150% of Normal Time Completion Rate
for 2006 Entering Cohort**



Percentage Point Gap



Community College Graduation Rates

State Ranking on Public Associate Graduation Rate for 2006 Entering Cohort

Total Cohort			
Rank	State	Schools	Grad Rate
1	SD	4	62.2%
2	ND	4	40.7%
3	FL	16	36.8%
4	WI	16	33.5%
5	IA	16	32.5%
6	UT	3	31.8%
7	WY	7	30.3%
8	KS	20	29.1%
9	NE	5	27.2%
10	MN	27	26.7%
11	WA	24	26.4%
...			
29	OK	12	17.2%
30	MA	15	16.2%
31	NJ	19	15.6%

Male Cohort			
Rank	State	Schools	Grad Rate
1	SD	4	60.3%
2	ND	4	40.8%
3	FL	16	34.8%
4	WI	16	34.4%
5	NE	5	32.8%
6	MT	7	32.4%
7	IA	16	31.3%
8	KS	20	28.9%
9	WY	7	28.5%
10	NH	7	28.4%
11	MN	27	27.9%
...			
31	AZ	19	15.5%
32	MA	15	15.3%
33	PA	16	14.8%

Female Cohort			
Rank	State	Schools	Grad Rate
1	SD	4	64.8%
2	ND	4	40.3%
3	FL	16	38.4%
4	UT	3	37.3%
5	IA	16	33.8%
6	WI	16	32.5%
7	WY	7	31.8%
8	KS	20	29.4%
9	WA	24	27.7%
10	CA	106	26.7%
11	MS	15	26.4%
...			
29	NC	59	17.2%
30	MA	15	17.1%
31	LA	29	16.7%

Note: All three charts based on data for the 50 states with at least one public associates college.

Community College Graduation Rates

State Ranking on Public Associate Graduation Rate for 2006 Entering Cohort

White Cohort			
Rank	State	Schools	Grad Rate
1	SD	4	64.7%
2	ND	4	42.1%
3	FL	16	40.3%
4	UT	3	35.9%
5	WI	16	35.2%
6	IA	16	34.6%
7	KS	20	31.7%
8	WY	7	30.6%
9	MN	27	30.0%
10	NE	5	28.9%
11	CA	106	28.7%
...			
30	AZ	19	18.7%
31	MA	15	18.4%
32	OK	12	18.2%

Note: Based on data for the 50 states with at least one public associates college.

Black Cohort			
Rank	State	Schools	Grad Rate
1	MS	15	23.0%
2	FL	16	22.8%
3	KS	20	20.0%
4	AL	26	18.3%
5	WI	16	16.0%
6	WA	24	15.7%
7	GA	20	15.5%
8	AZ	19	14.8%
9	LA	29	14.3%
10	NC	59	14.1%
11	KY	13	13.6%
...			
16	VA	24	11.2%
17	MA	15	10.0%
18	NM	18	9.5%

Note: Based on data for the 37 states with at least one public associates college and a cohort >=100

Hispanic Cohort			
Rank	State	Schools	Grad Rate
1	FL	16	35.4%
2	KS	20	27.6%
3	AR	20	25.7%
4	MS	15	23.6%
5	AL	26	22.7%
6	IA	16	21.0%
7	WA	24	20.1%
8	CO	15	19.9%
9	UT	3	19.5%
10	WI	16	19.2%
11	CA	106	19.1%
...			
34	NJ	19	9.1%
35	MA	15	8.6%
36	NV	1	7.9%

Note: Based on data for the 40 states with at least one public associates college and a cohort >=100

Community College Model Comparison

Inclusion Rate of the Three Success Models

Model	Cohort	Count in Fall 2003	Count as a Percent of all New Students in Fall 2003 (33,193)
IPEDS	All First-time, Full-Time Degree/Certificate Seeking Students	11,386	34.3%
Maryland Model	All New Students (including First-time, transfer, non-degree seeking, and re-admits) who attempted 18 credits in the first two years and did not enroll in ESL.	17,072	51.4%
Achieving the Dream	All First-Time Full-Time and Part-Time Degree-Seeking Students	16,870	50.8%

Community College Model Comparison

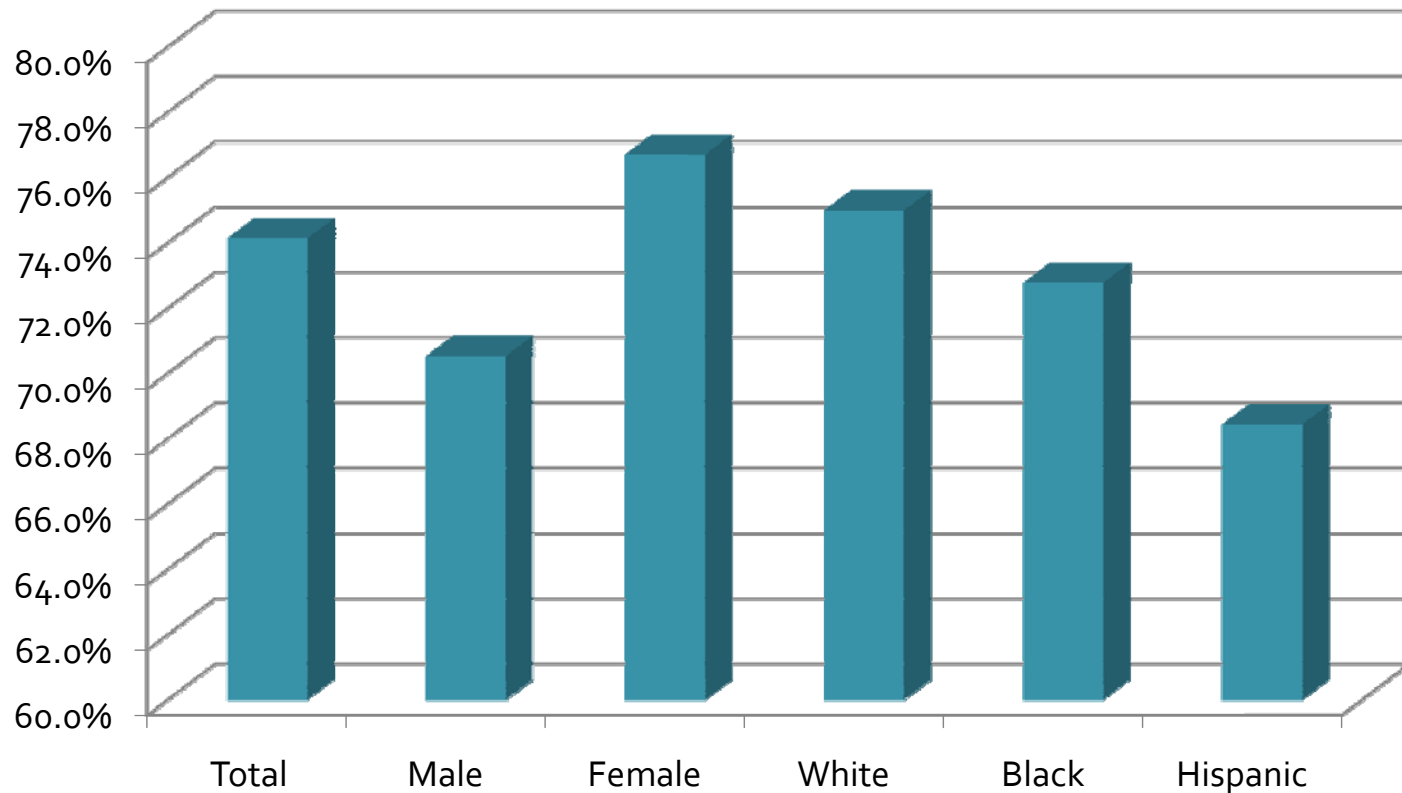
Outcomes of the Three Success Models

Model	Graduation	Transfer	Still Enrolled	Credit Completion Not Enrolled	Time Frame
IPEDS	Graduation from Initial Institution	No	No	No	150% of Normal Time (3 years)
Maryland Model	Graduation from Any Institution	Transfer Anywhere	Yes	Yes (earned 30 credits)	Six Years
Achieving the Dream	Graduation from Community College System	Transfer to Four-Year	Yes (if a student has earned 30 credits)	No	Six Years

Community College Student Success

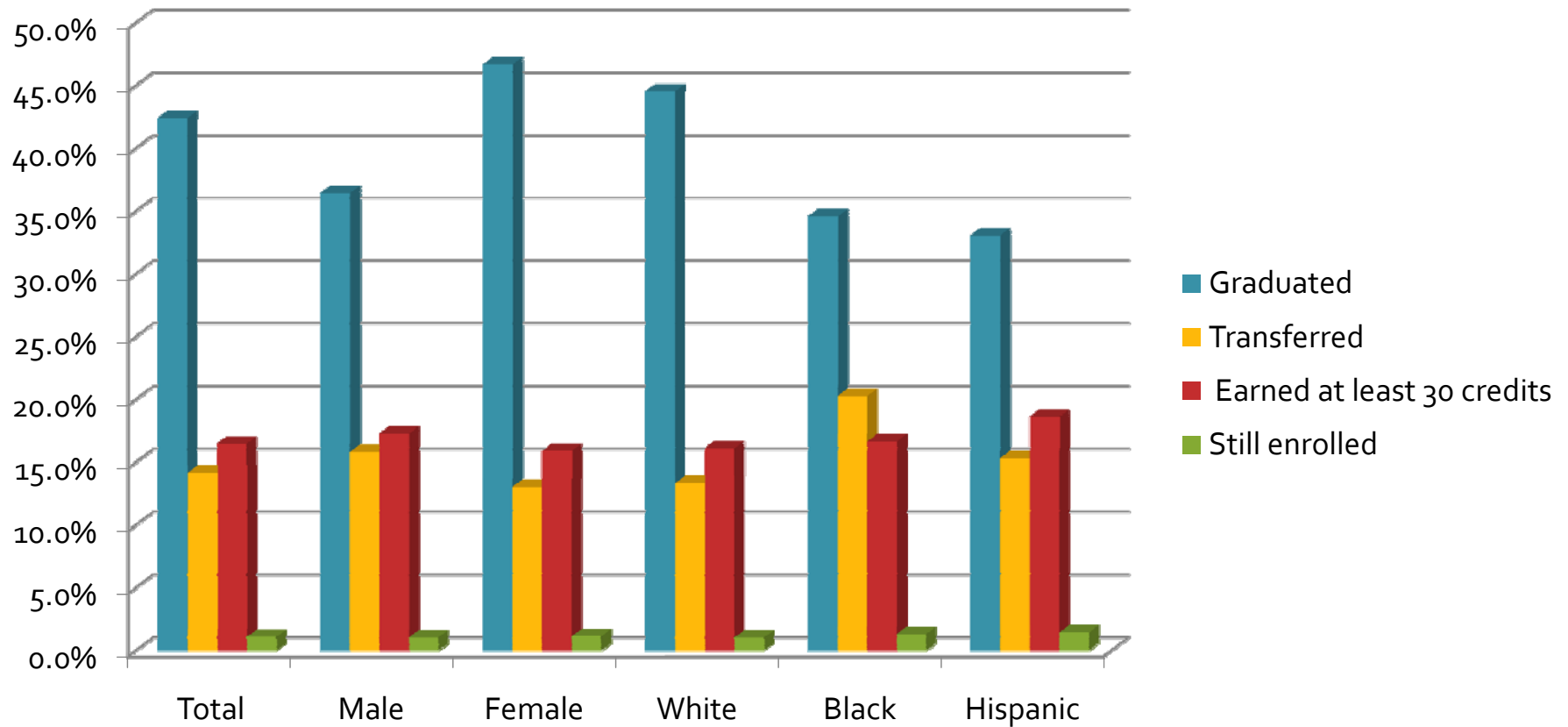
**Student
Persister Model**

Student Persister Success Rate after Six Years



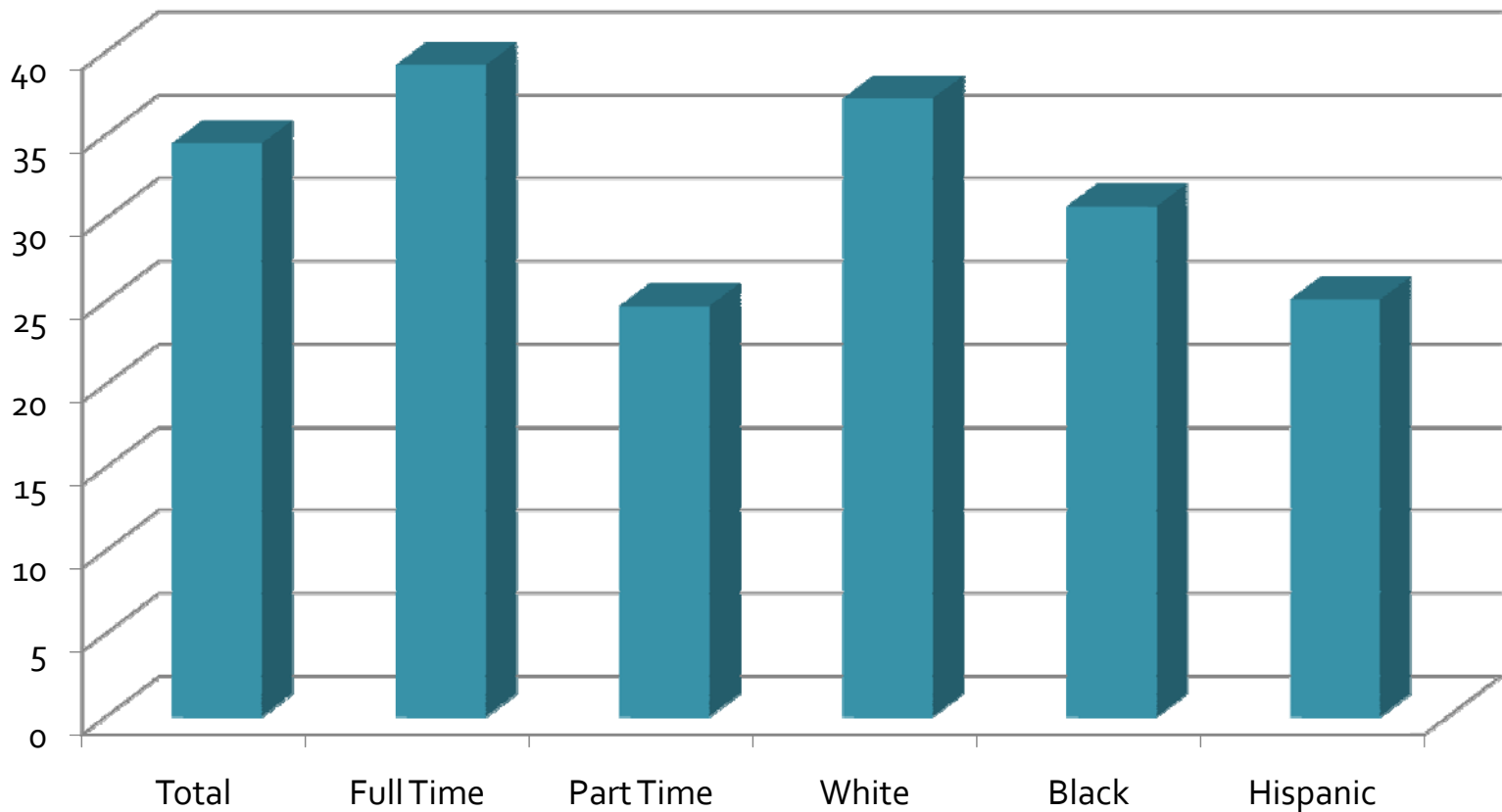
Community College Student Success

Component Outcomes of **Student Persister** Total Success Rate



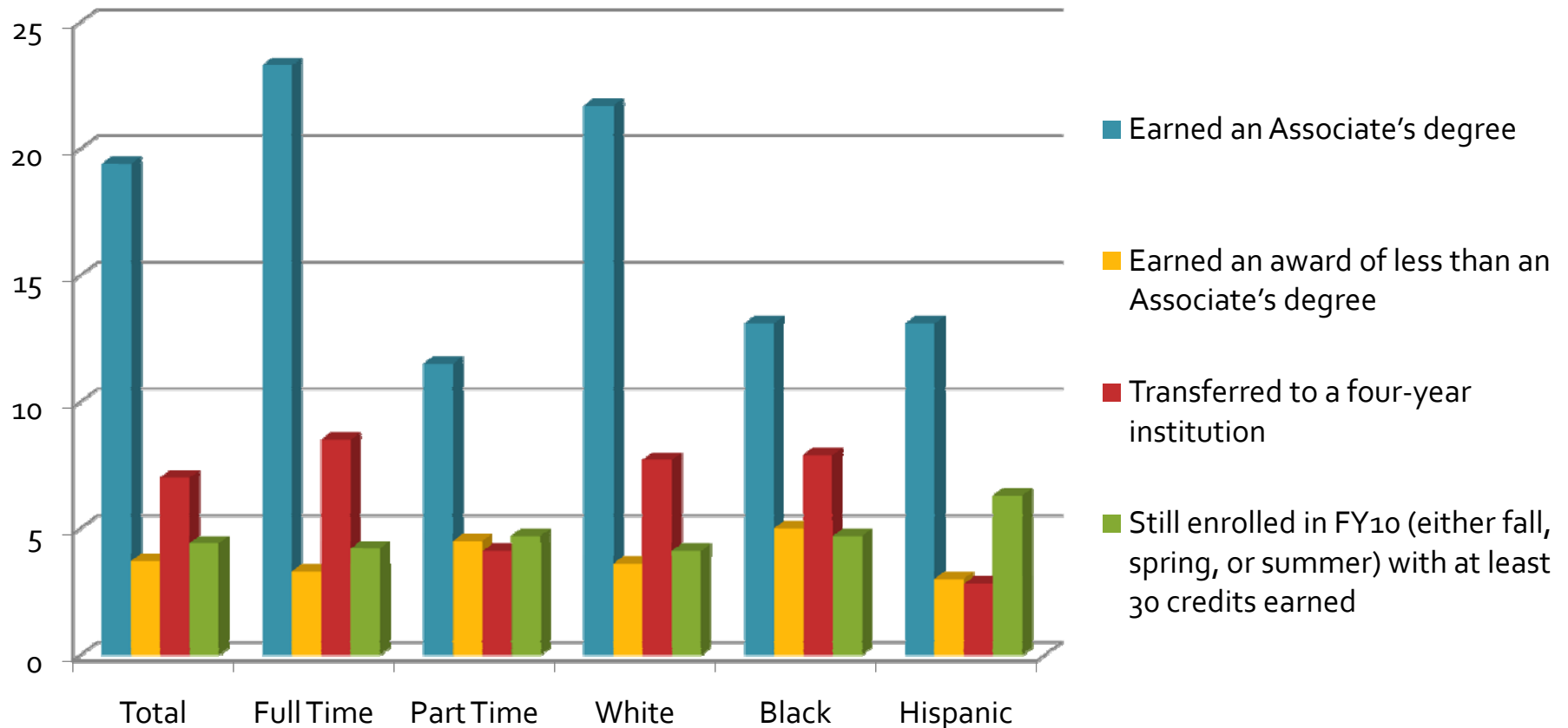
Community College Student Success

Community College Total Percent Successful on **Achieving the Dream** Graduation and Success Indicator, 2003 Entering Cohort



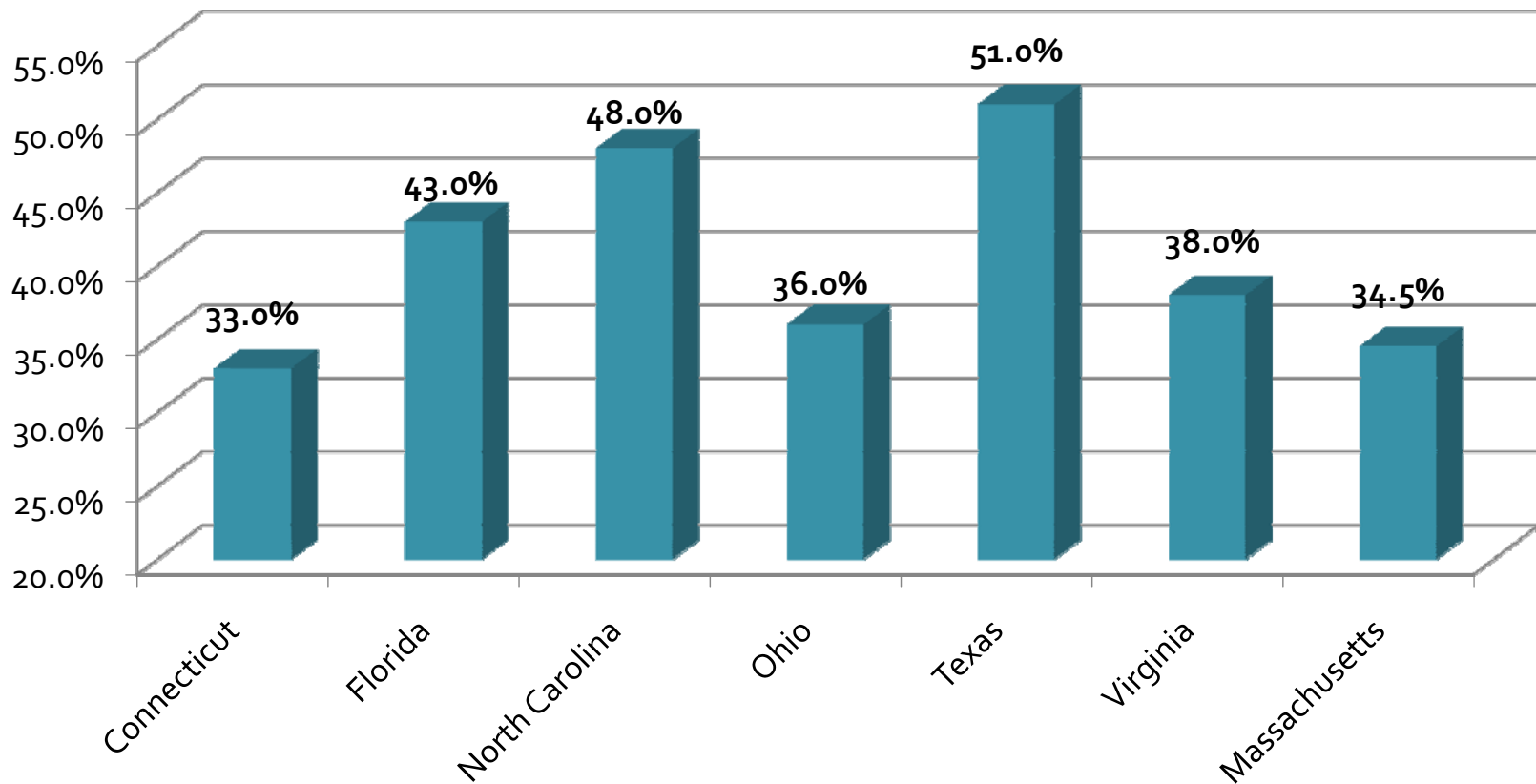
Community College Student Success

Component Outcomes of **Achieving the Dream** Graduation and Success Indicator, 2003 Entering Cohort



Community College Student Success

Achieving the Dream Student Success Pilot Model, Total Success Rate



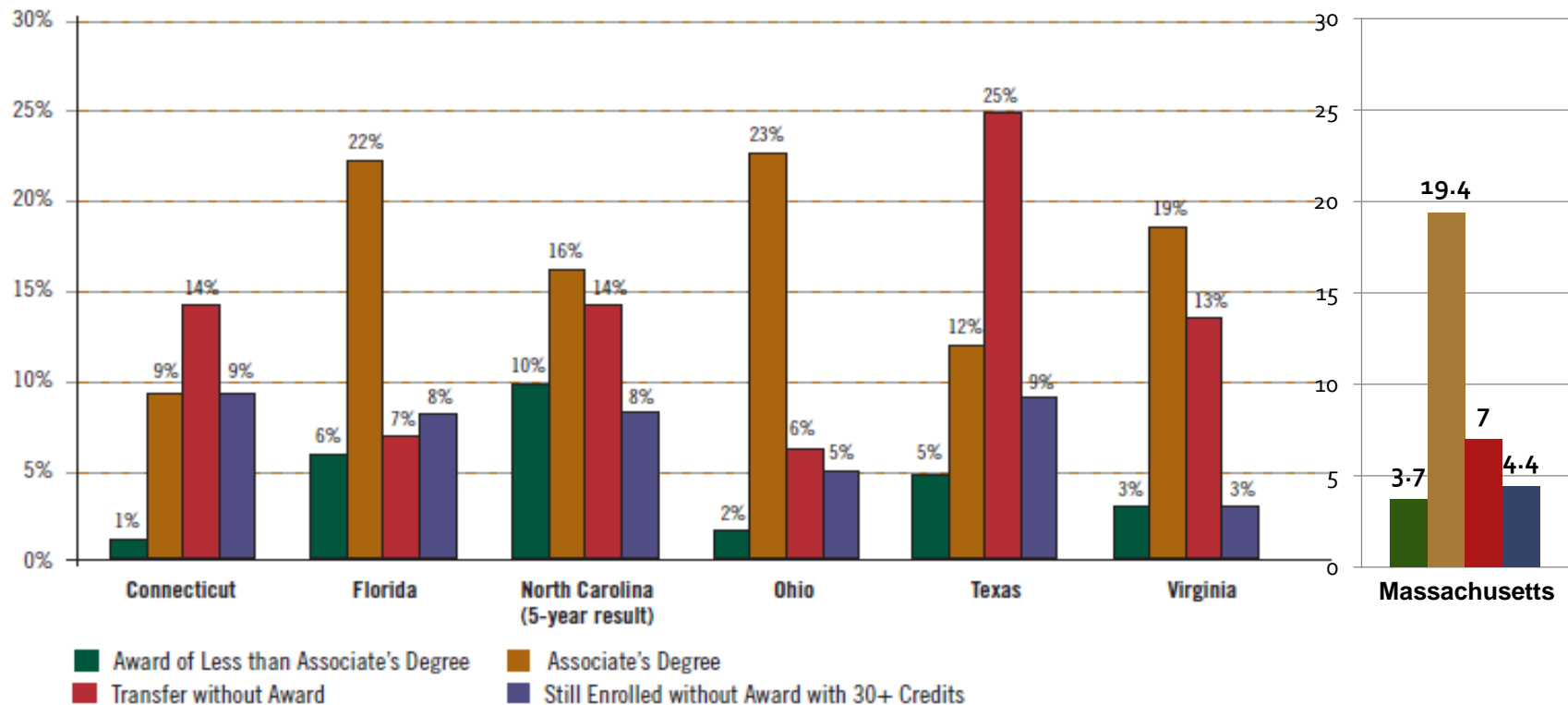
Source: TEST DRIVE: SIX STATES PILOT BETTER WAYS TO MEASURE AND COMPARE COMMUNITY COLLEGE PERFORMANCE, Jobs for the Future. Note: Cohort varies by state. Massachusetts data are from the Department of Higher Education.

Vision Project Preview: *College Completion*

Community College Student Success

Achieving the Dream Student Success Pilot Model

STUDENT SUCCESS RATES USING STATE WORK GROUP METHOD



Source: TEST DRIVE: SIX STATES PILOT BETTER WAYS TO MEASURE AND COMPARE COMMUNITY COLLEGE PERFORMANCE, Jobs for the Future. Note: Cohort varies by state.

Summary of Findings

- Both the University of Massachusetts and the state universities have **above-average graduation rates** for baccalaureate-seeking students, but there is need for improvement if they are to lead the nation in their respective classifications.
- Community college graduation rates **trail the national average but have improved** since last year.
- New **comprehensive measures** of community college student success demonstrate that the community colleges are producing valuable **outcomes in addition to degrees/certificates**.
- **Disparities in student success outcomes exist across all three segments** with regard to gender, race and ethnic groups. Black and Hispanic students consistently trail White students on all outcomes. Men are less likely to complete their college education than women.
- Although the **gaps in student success are less than or on par with other states**, closing these gaps is critical to the success of the Vision Project.



Overview of College Completion Work

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Overview of College Completion Work

National Agenda

- **Growing public interest** to increase college graduation rates to eliminate disparities across race/ethnicity, income, and gender; and to increase overall number of degrees



Working Group Membership

Achieving the Dream	Complete College America
Focus on community colleges	Focus on all public higher education
15 states	24 states
since 2007	since 2010
Knowledge sharing Meetings Publications Technical assistance	
State Policy Levers Goal setting Use of data Transfer Financial Aid Developmental education	

Working Group Charge

- ✓ **Recommend graduation and student success goals** by 2015 and 2020 for the community colleges, state universities, and the University of Massachusetts benchmarked to peers.
- ✓ Review campus goals and plans to improve graduation and student success rates and **make recommendations on how campuses and the Department of Higher Education can most effectively proceed.**
- ✓ Review and **prioritize existing and emergent statewide policies and practices** which support the increase of graduation and student success rates (e.g. developmental education, transfer, financial aid, adult learners, and use of limited resources).

Recommend graduation and student success goals

- **Focus outcome goals**—graduation and transfer rates—on clear and easily explained criteria
- **Build on prior goal-setting** by MA state university and community college
- **Be inspired by and learn** from growing body of research and examples

Recommend how campuses and DHE can most effectively proceed

■ General Approaches

- Committed Leadership/Goal Setting
- Use of Data
- Shared Responsibility
- Systemic Institutional Improvement
- High Impact Practices / Student Engagement

■ Specific Policies/Practices

- Integrated Support Services
 - *Early warning systems*
 - *Learning communities*
 - *Supplemental instruction*
 - *Intrusive advising*
- Additional Strategies
 - *Alternative course delivery*
 - *Accelerated dev ed*
 - *End late registration*
 - *Graduation contracts*
 - *Financial aid*

Review and prioritize statewide policies and practices

■ General Approaches

- Establish goals and monitor progress
- Use data to improve goal attainment
- Facilitate sharing of best practices
- Effective communication to all stakeholders

■ Specific Policies/Practices

- Financial Aid
- Developmental education
- Transfer
- Adult learners
- Focus on time-to-degree
- Performance funding
- One-year certificates

Transfer

Commonwealth Transfer Advisory Group Goals

- Implement the *MassTransfer* policy effective AY 2009-10
- Provide easy access to clear, accurate, and cohesive information
- Ensure sustained effectiveness and accountability of policies and practices
- Expand alignment of statewide program-to-program & course-to-course transfer

Overview of College Completion Work

Deliverables 2010-11

- Submit final report to BHE for June 2011 meeting
 - Segmental goals for 2015 and 2020
 - Campus recommendations
 - State policy recommendations
- Monitor implementation of Commonwealth Transfer Advisory Group recommendations
 - Campus strategies
 - State policy, including
 - student access to information
 - program-to-program and course-to-course alignment



Discussion

Questions and Comments