



STATE UNIVERSITY SYSTEM *of* FLORIDA

Board of Governors

Developing an Updated Strategic Plan for the State University System

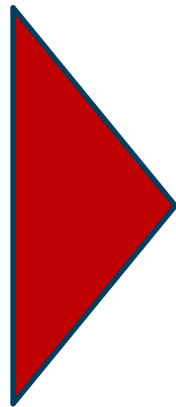
Governor Frank T. Martin and Dorothy J. Minear, Ph.D.
March 24, 2011

www.flbog.edu

The Evolving State University System Mission in the 21st Century

A New Florida for the Knowledge Economy

Teaching
Research
Service



Education for Lifelong Learning
Innovation
Knowledge Transfer
Community Engagement



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Strategic Planning Topics to Discuss in Coming Months

Education for Lifelong Learning

- Educational Attainment and Talent Supply
 - Educational Attainment Goals and Baccalaureate Degrees
 - Graduate-Level Degrees
 - Closing the Educational Attainment Gaps - Responding to Demographic Changes
- Meeting Critical State Needs: Areas of Strategic Emphasis
 - Baccalaureates
 - Graduate and Professional Education



Innovation and Knowledge Transfer

- Research and Development
- Technology Transfer

OTHERS?

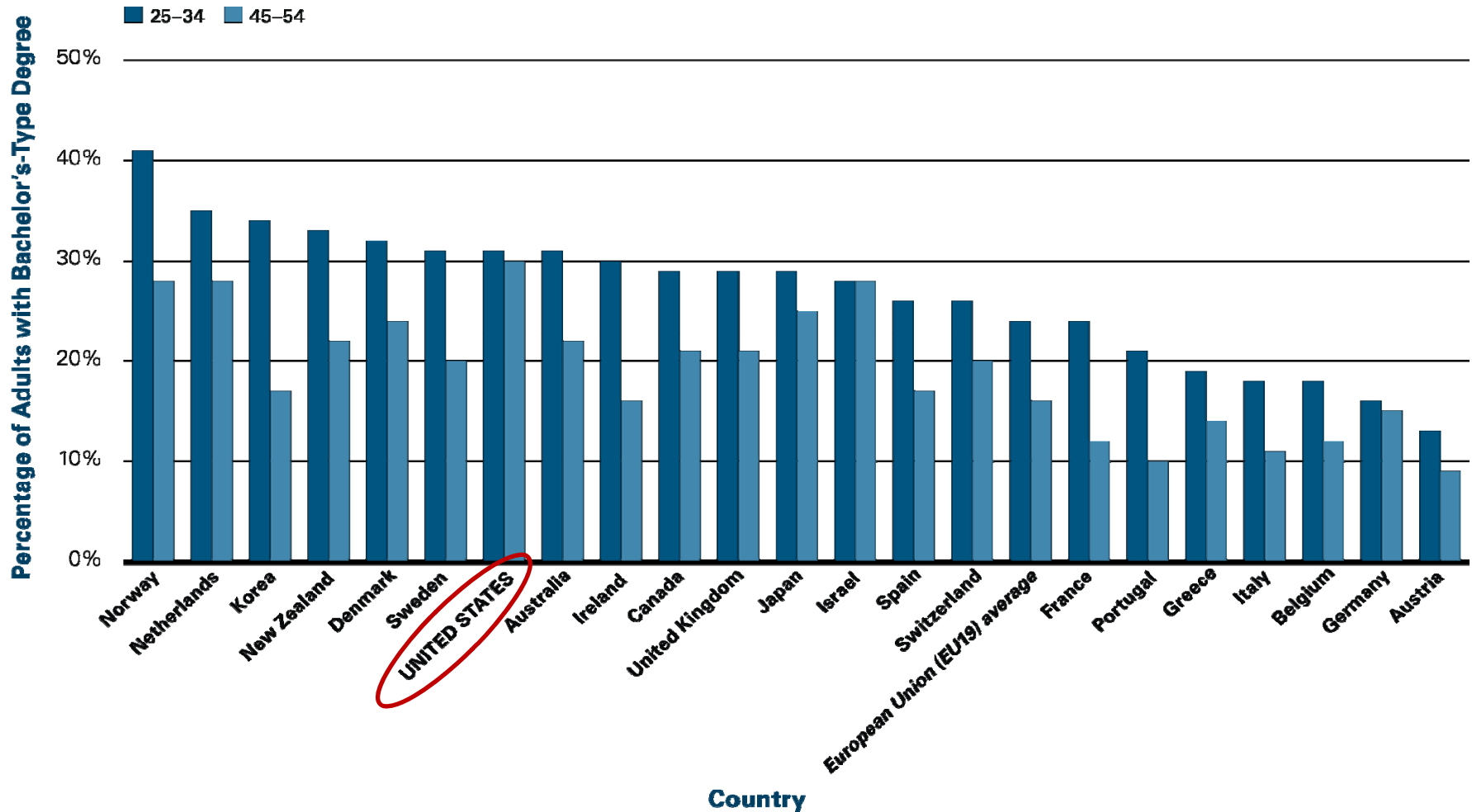
Community Engagement

System Structure and Coordination



Educational Attainment Talent Supply

International Comparison of Percentage of Adults Ages 25-34 and 45-54 with at Least a Bachelor's-Type Postsecondary Degree, Selected Countries, 2007

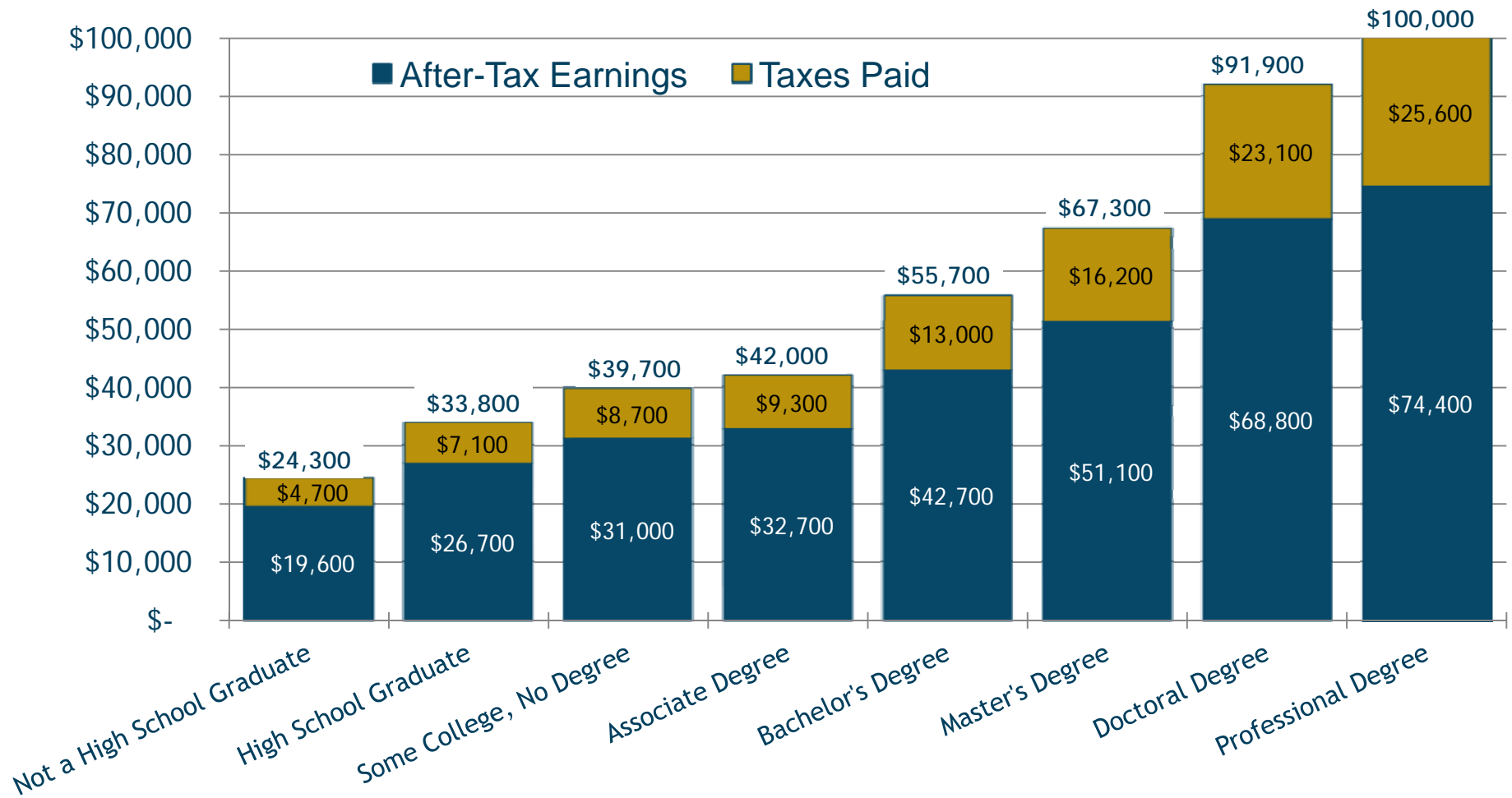


Sources: The College Board, *Education Pays 2010*, Figure 2.11; Organisation for Economic Co-operation and Development 2009, Table A1.3a.



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Median Earnings and Tax Payments of Full-Time Year-Round Workers Ages 25 and Older, by Education Level, 2008



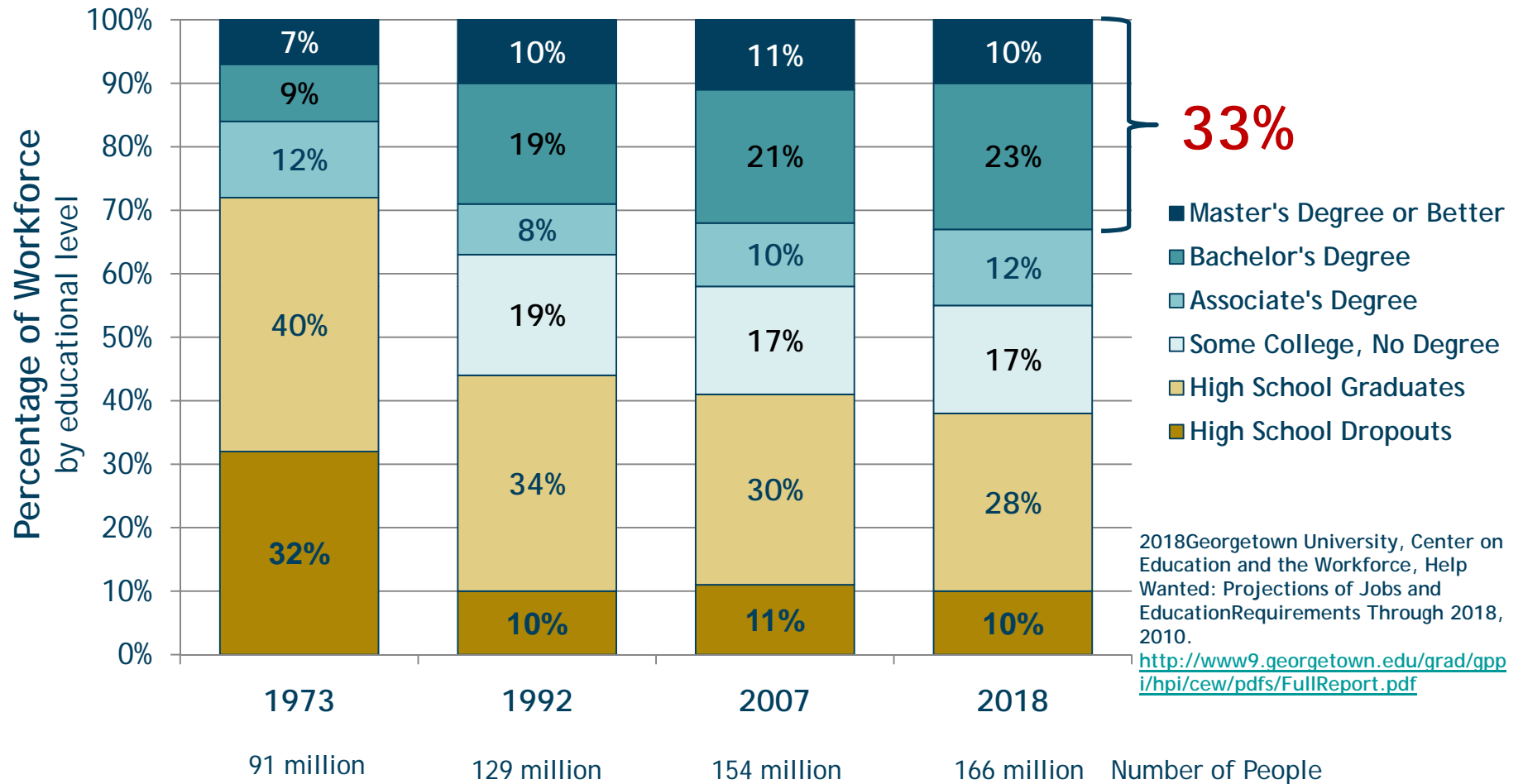
Note: Taxes paid include federal income, Social Security, Medicare, state and local income, sales, and property taxes.



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SOURCE: The College Board,
Education Pays, 2010.

Actual and Projected Percentage of Adults in U.S. Participating in the Workforce By Level of Education



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- Based on analysis of March Current Population Survey data from the Bureau of Labor Statistics

Baccalaureate Attainment Goals and Needed Degree Production

Baccalaureate Degrees

- Increased educational attainment for individual, societal, and economic benefit.
- Increased educational attainment for existing and emerging workforce needs.
- Increased baccalaureate degree production to meet these needs.
- Coordination with other higher education sectors (via the Higher Education Coordinating Council) to determine how best to meet Florida's need for baccalaureates.
- Amount of need to be met by increased student demand:
 - As more students complete high school ready for college.
 - As more students complete Associate in Arts programs with the goal of pursuing the baccalaureate.
 - As more students seek to transfer to the State University System via other paths.
 - As more adults with some earned credit hours, but without a degree, seek to return to the State University System.
- Capacity and structure considerations (within the System and across the State).

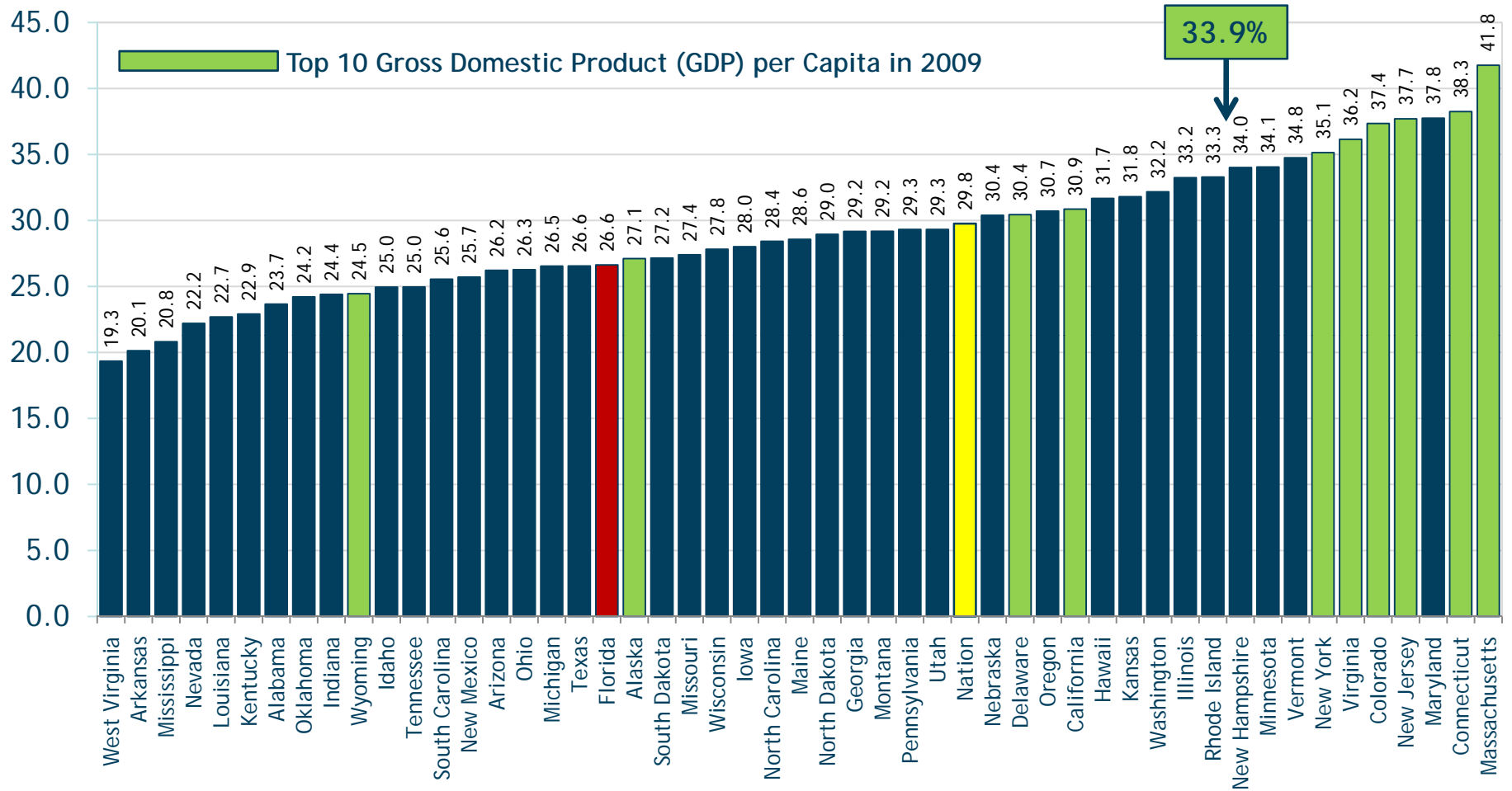


Overarching Assumptions

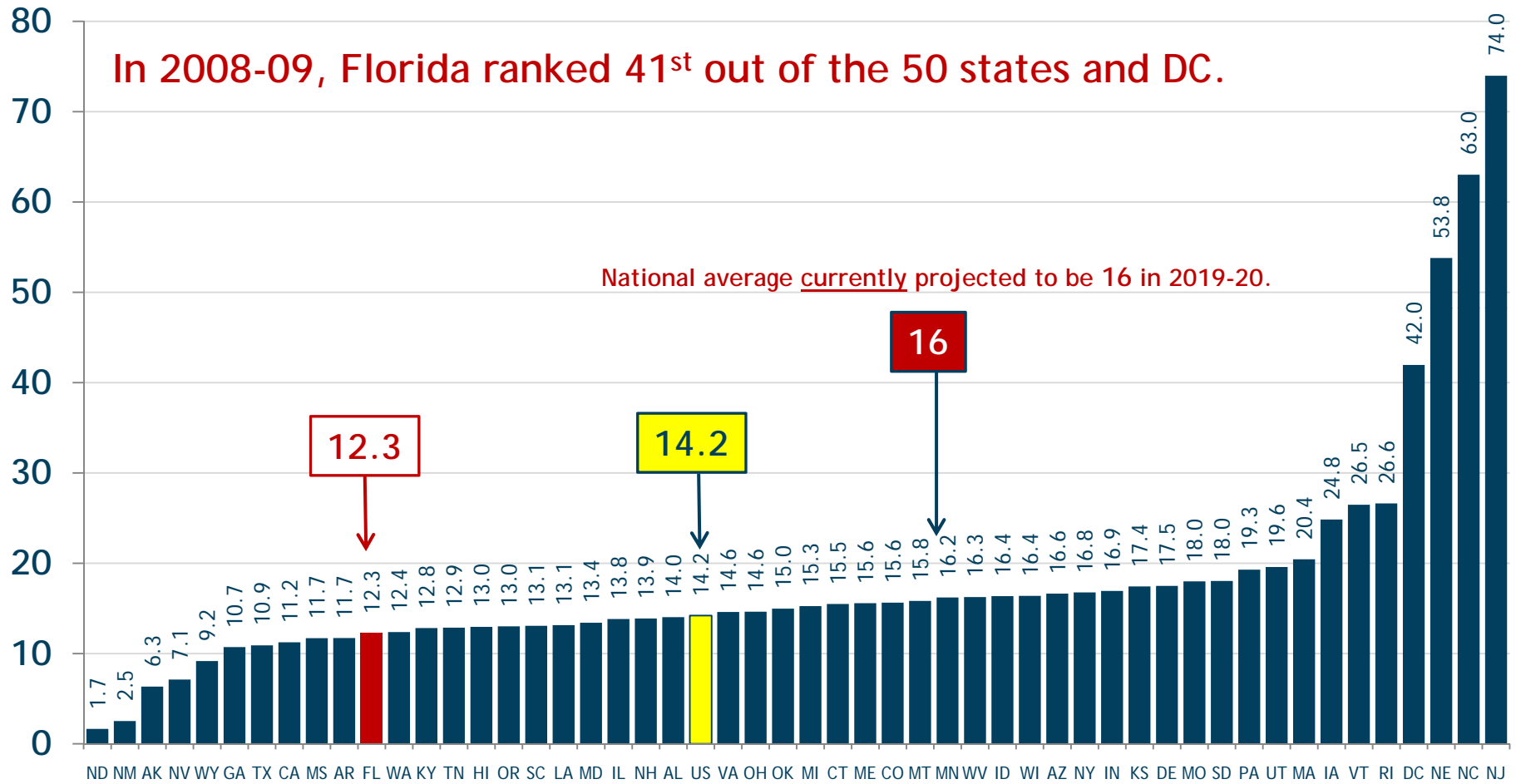
- Maintain quality and continuous improvement even as volume increases.
- Focus on closing the gaps in the supply of graduates for high-demand areas of strategic emphasis.
- Acknowledge the demographic changes in Florida's future workforce, and focus on closing the educational attainment gaps for students from traditionally underrepresented groups.
- Assume that a highly educated workforce will attract high-skill, high-wage jobs to the state and help position Florida to excel in an increasingly competitive knowledge-based economy.



Percentage of 25-64 Year-Old Adults with Bachelor's Degrees or Higher in 2008



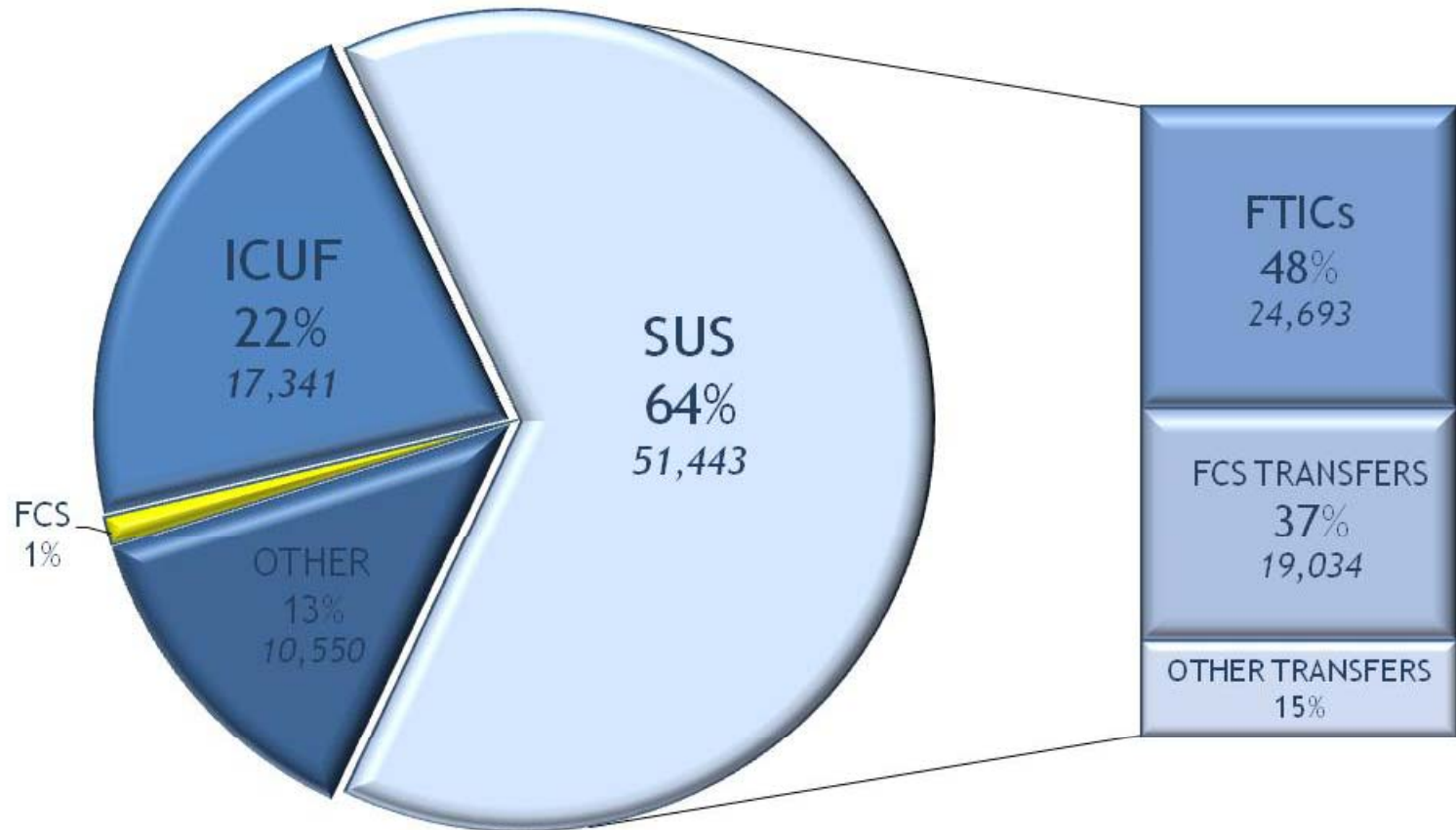
Bachelor Degrees Awarded per 1,000 18-44 Year Olds in 2008-09



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SOURCE: U.S. Department of Education, National Center for Education Statistics, Integrated Postsecondary Education Data System, "Completions Survey" (IPEDS-C:95-99), and Fall 2000 through Fall 2008; and Degrees Conferred Model, 1975-76 through 2007-08. (This table was prepared February 2010.)

Baccalaureate Degrees Awarded in Florida by Sector: 2008-09



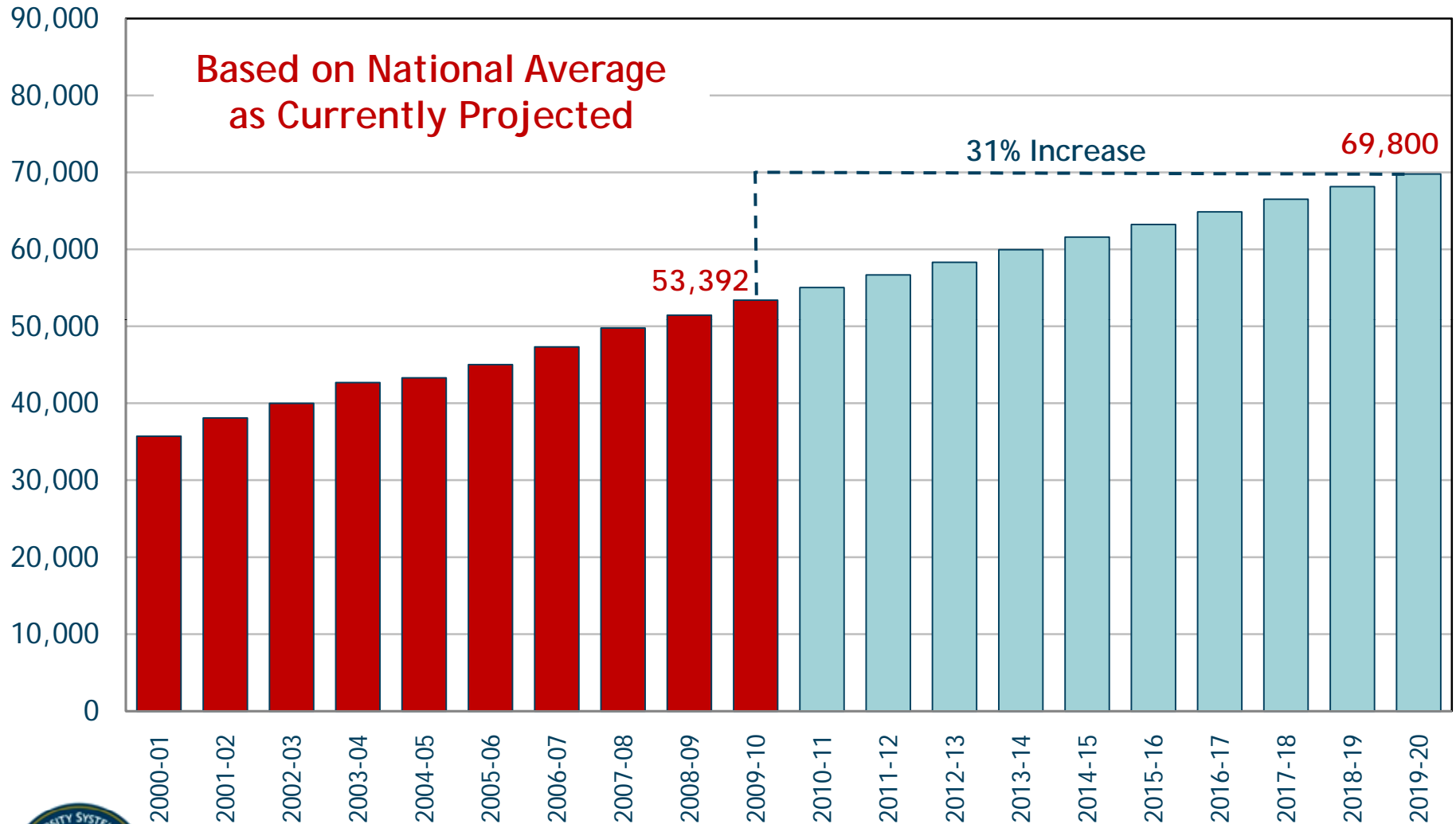
2008-09 FLORIDA'S BACHELOR'S DEGREES = 80,275



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Sources: U.S. Department of Education, Integrated Postsecondary Education Data System; State University Data System, FL Board of Governors

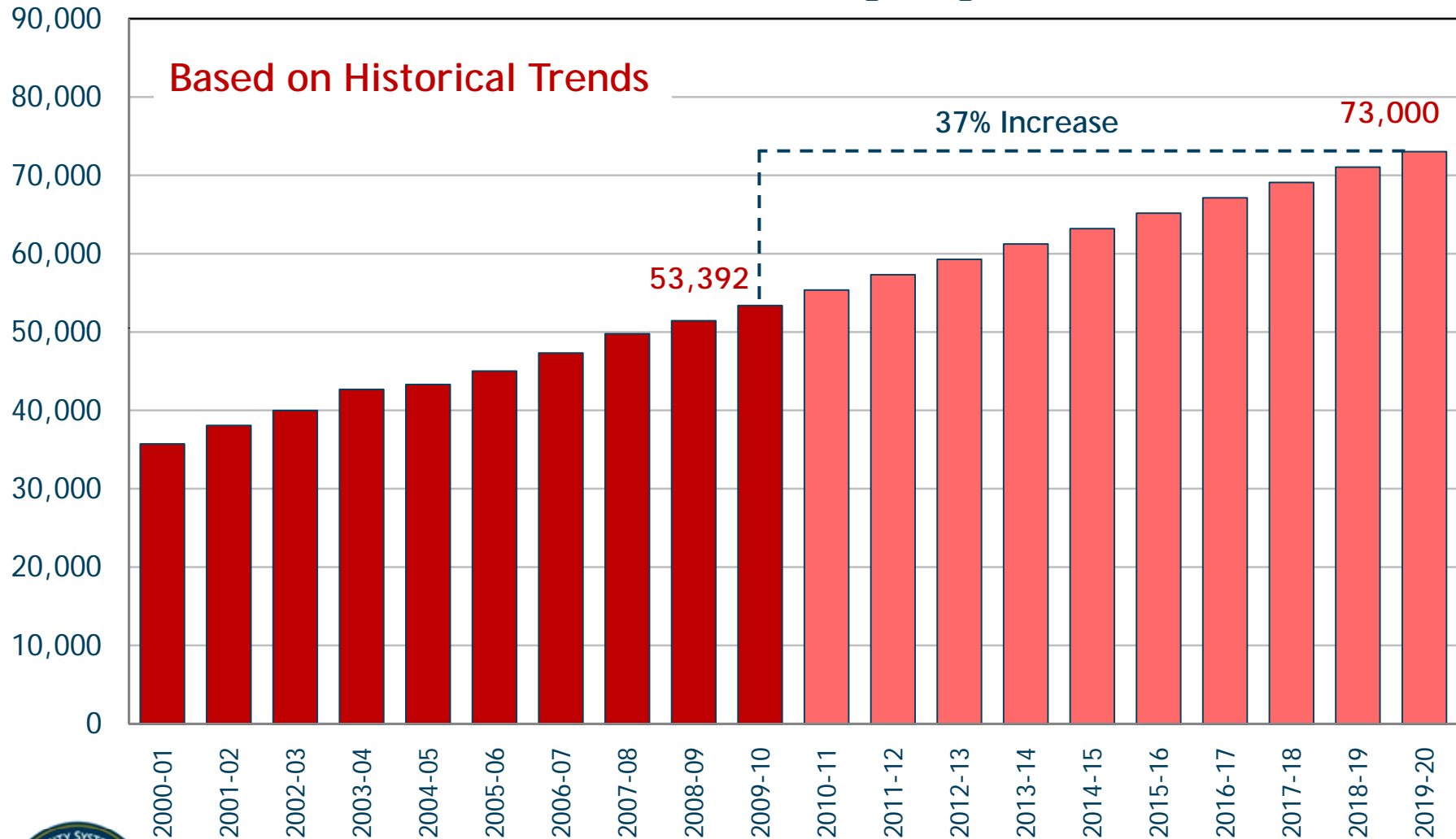
Baccalaureate Degree Production in the State University System - Model



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SOURCES: U.S. Department of Education, National Center for Education Statistics, Integrated Postsecondary Education Data System; State University Data System, FL Board of Governors

Baccalaureate Degree Production in the State University System - Model



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SOURCE: State University Data System,
FL Board of Governors

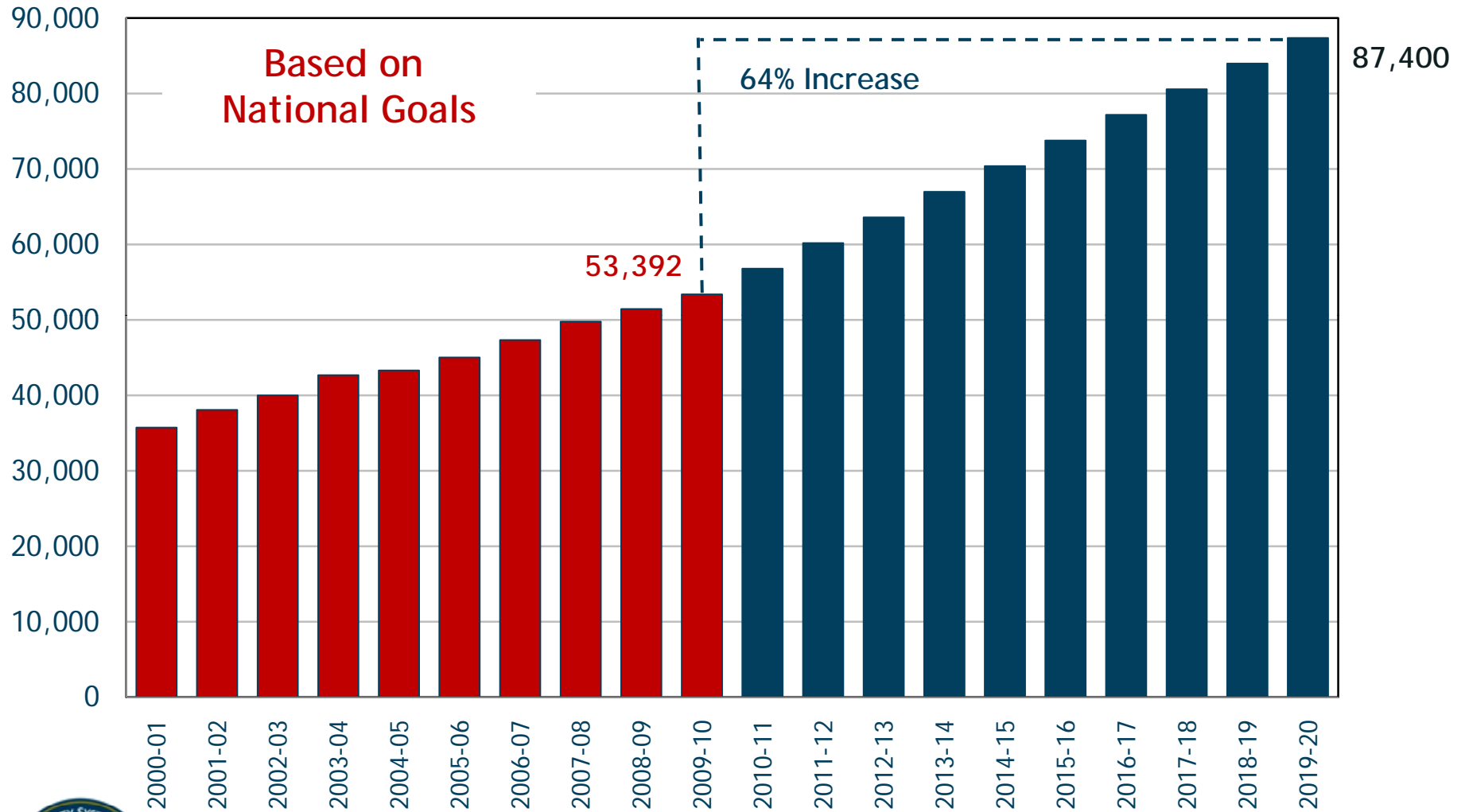
The Public Agenda: College Completion

For example:

- The National Governors Association “Complete to Compete.”
- The Bill and Melinda Gates Foundation.
- Complete College America.
- The Hispanic Scholarship Fund.
- The Lumina Foundation.
- The Obama Administration’s American Graduation Initiative.
- The Commission on Access, Admissions, and Success in Higher Education (formed by the College Board).
- ¡Excelencia in Education!’s “Roadmap for Ensuring America’s Future.”



Baccalaureate Degree Production in the State University System - Model



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Sources: State University Data System, FL Board of Governors;
NCHEMS, Patrick Kelly, 2010

Changing Student Demand

Improved College Readiness

Flow of Students Through
the Educational Pipeline

More Rigorous High School Graduation Requirements

Entering 9th Grade

To Graduate

2010

Algebra I and Geometry

+

2011

Biology and Algebra I EOC

+

2012

Biology EOC, Geometry EOC
and Algebra II

+

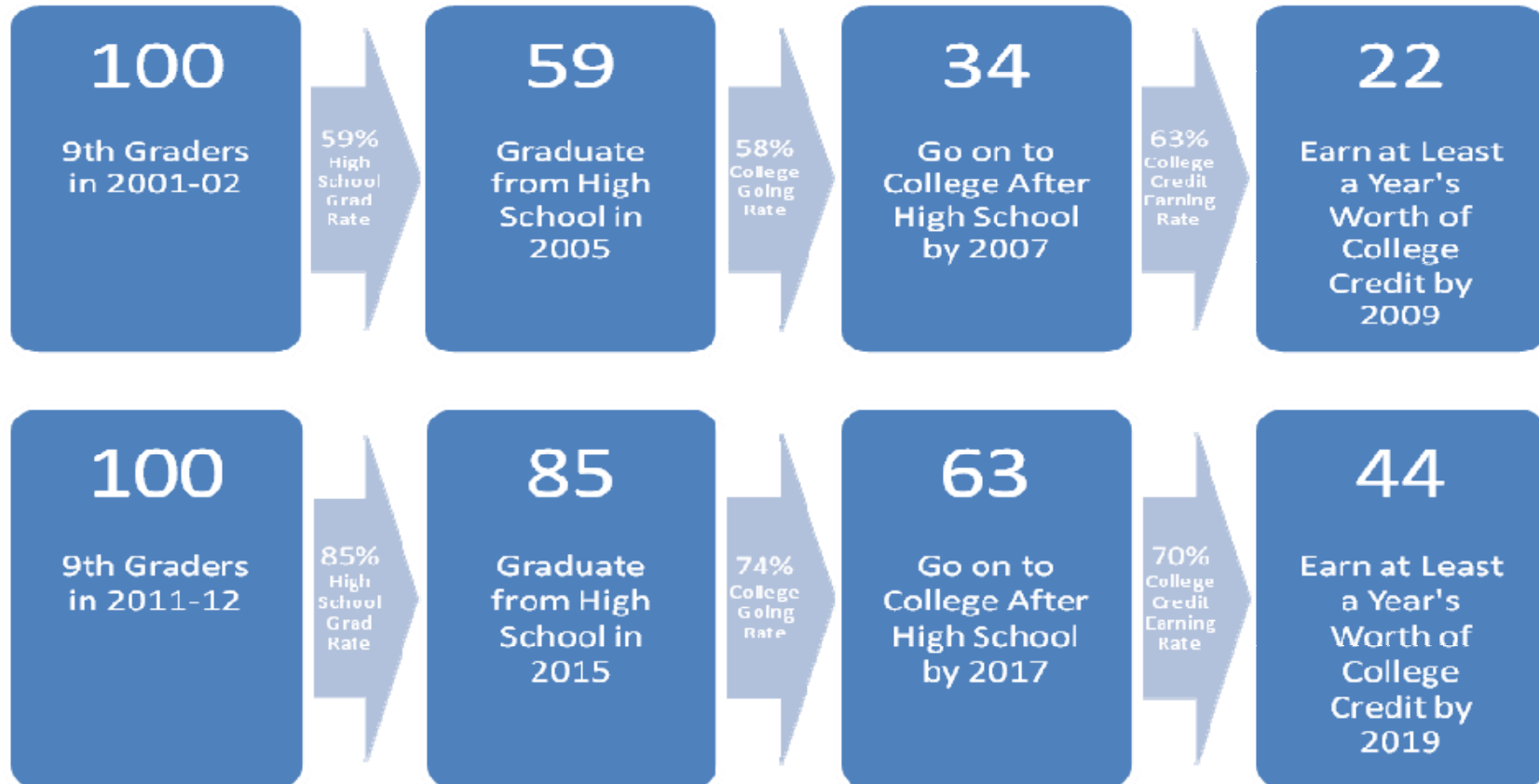
2013

Chemistry or Physics and an
equally rigorous science
course

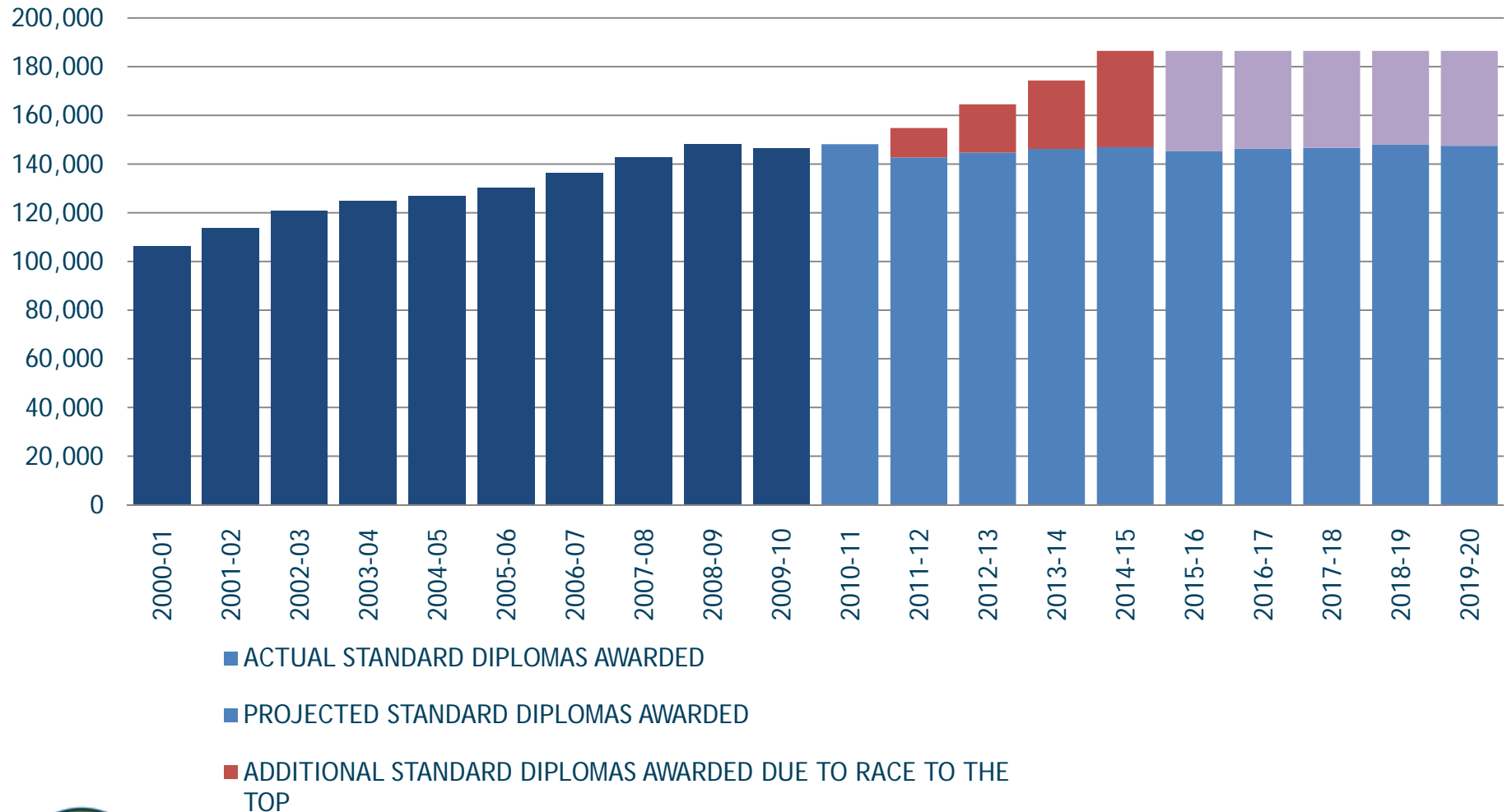


Florida's Race To The Top Goals

Double the Percent Earning College Credit



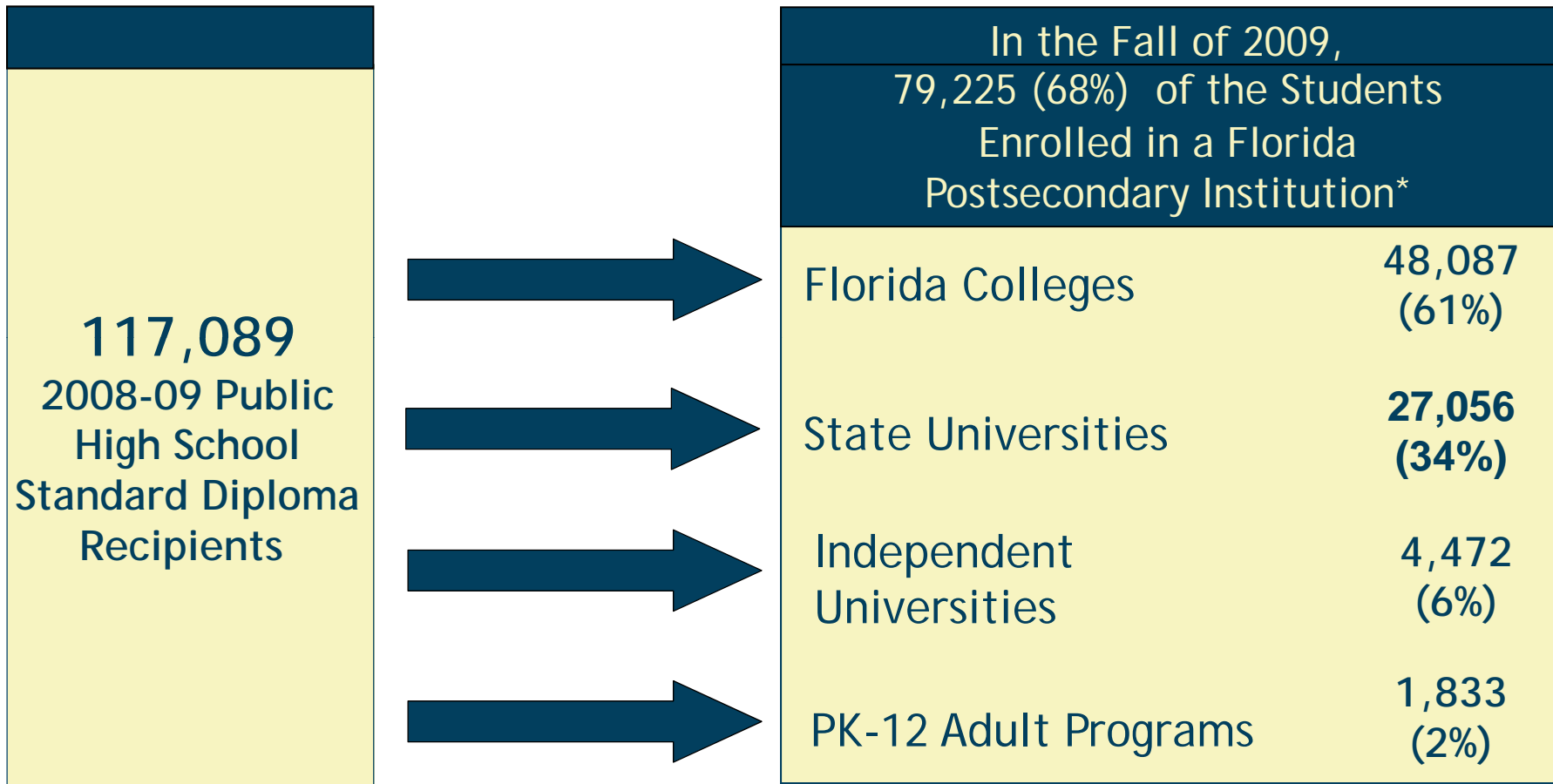
Actual and Projected Public High School Graduates with Standard Diplomas in Florida 2000-01 to 2019-20



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Source: Florida Department of Education; Evaluation and Reporting

What Happens After They Graduate? Standard Diplomas to Postsecondary

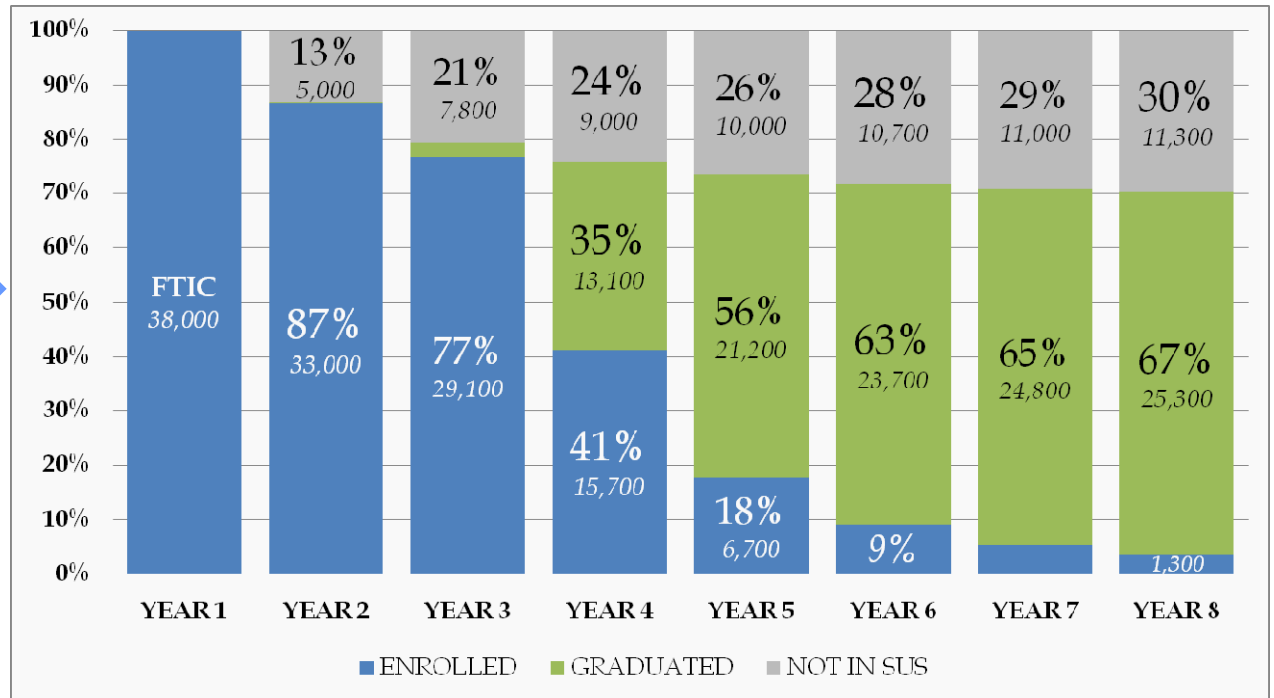
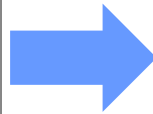
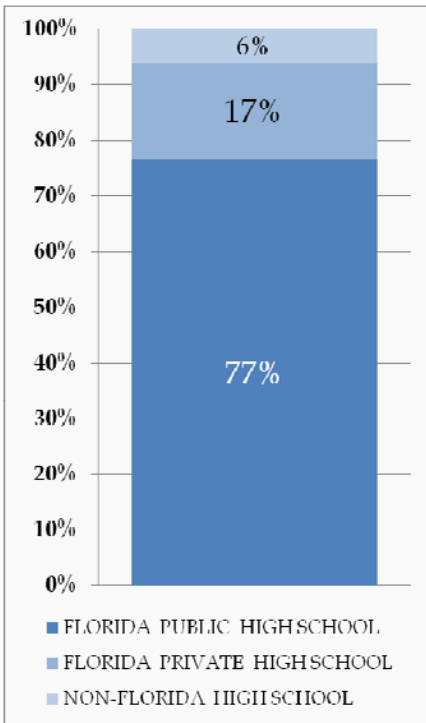


Source: PK-20 Education Data Warehouse. * Does not include students who enrolled in postsecondary education out of state, historically 4-5% of high school graduates. Note: percentages use the 79,225 as the denominator and will add up to more than 100% because students may enroll in more than one sector.



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Projections of SUS Student Progression: First-Time in College Students (FTICs)

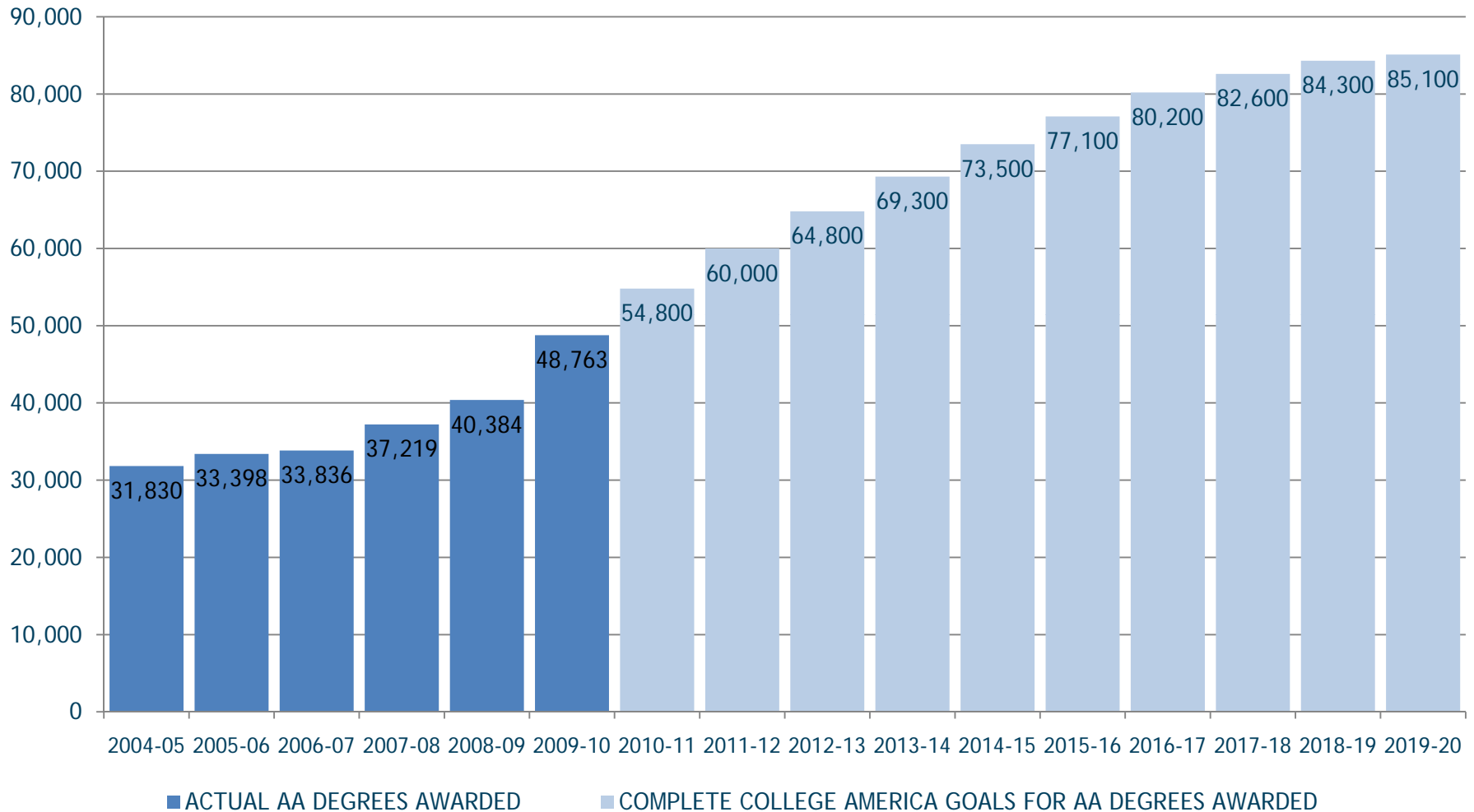


POLICY LEVERS

- Increase size and preparedness of entering student body (expand capacity, change admissions standards, out-of-state access).
- Increase graduation rates and decrease time to degree.



Florida College System's AA Degrees: Actual and "Complete College America" Goals

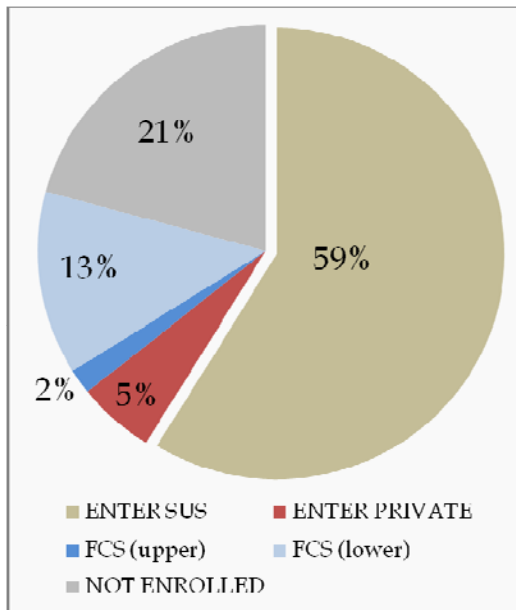


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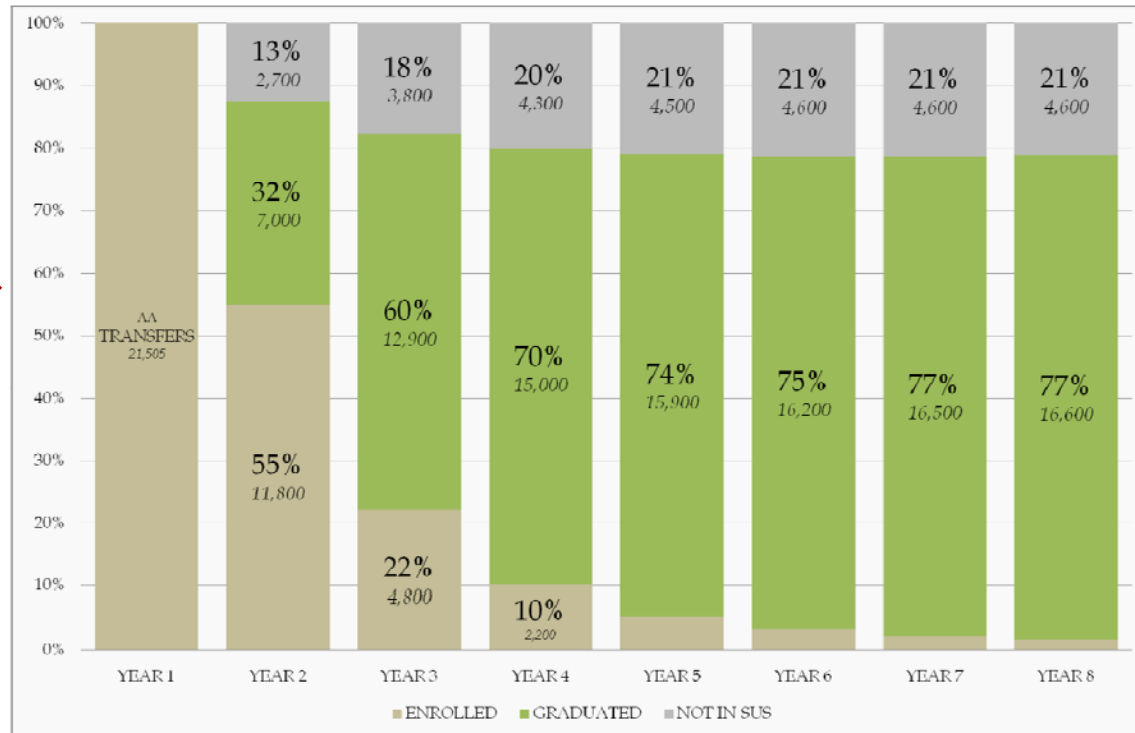
Source: Based on analysis of data from the Division of Florida Colleges, FL Department of Education

Projections of SUS Student Progression: FCS Transfers with an AA Degree

Where do AA Recipients Go?



Source: OPPAGA #10-01

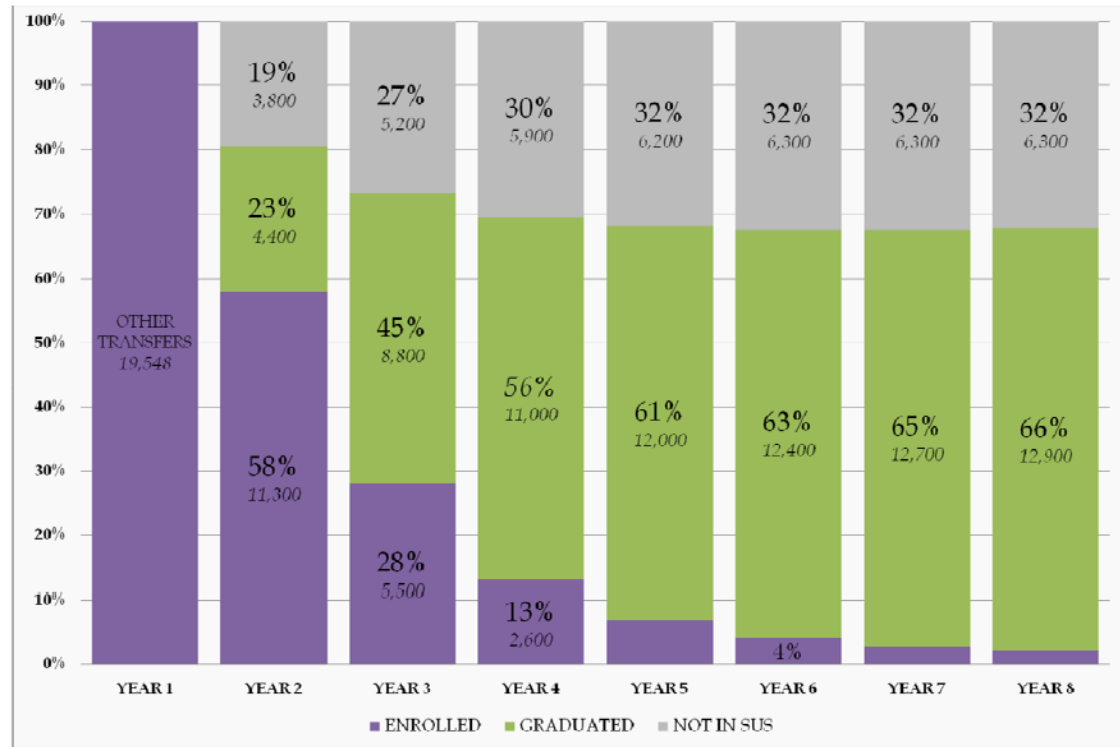
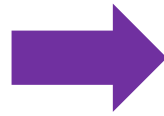
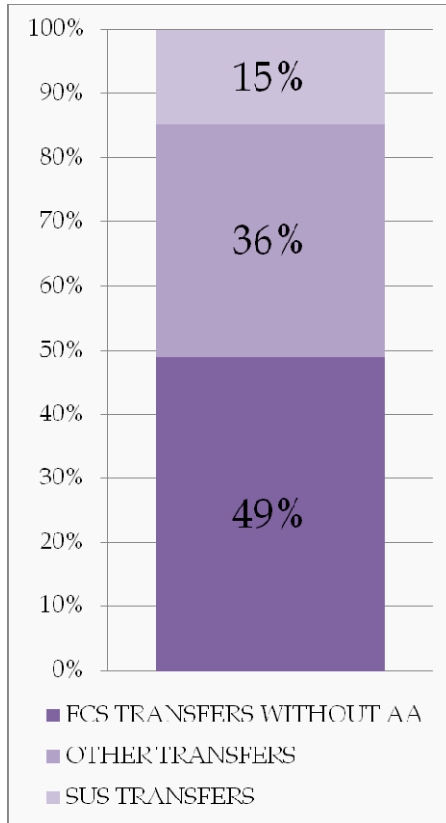


POLICY LEVERS

- Increase size and preparedness of entering student body (expand capacity, change admissions standards, prerequisites, articulation agreements).
- Increase graduation rates and decrease time to degree.



Projections of SUS Student Progression: Other Transfers

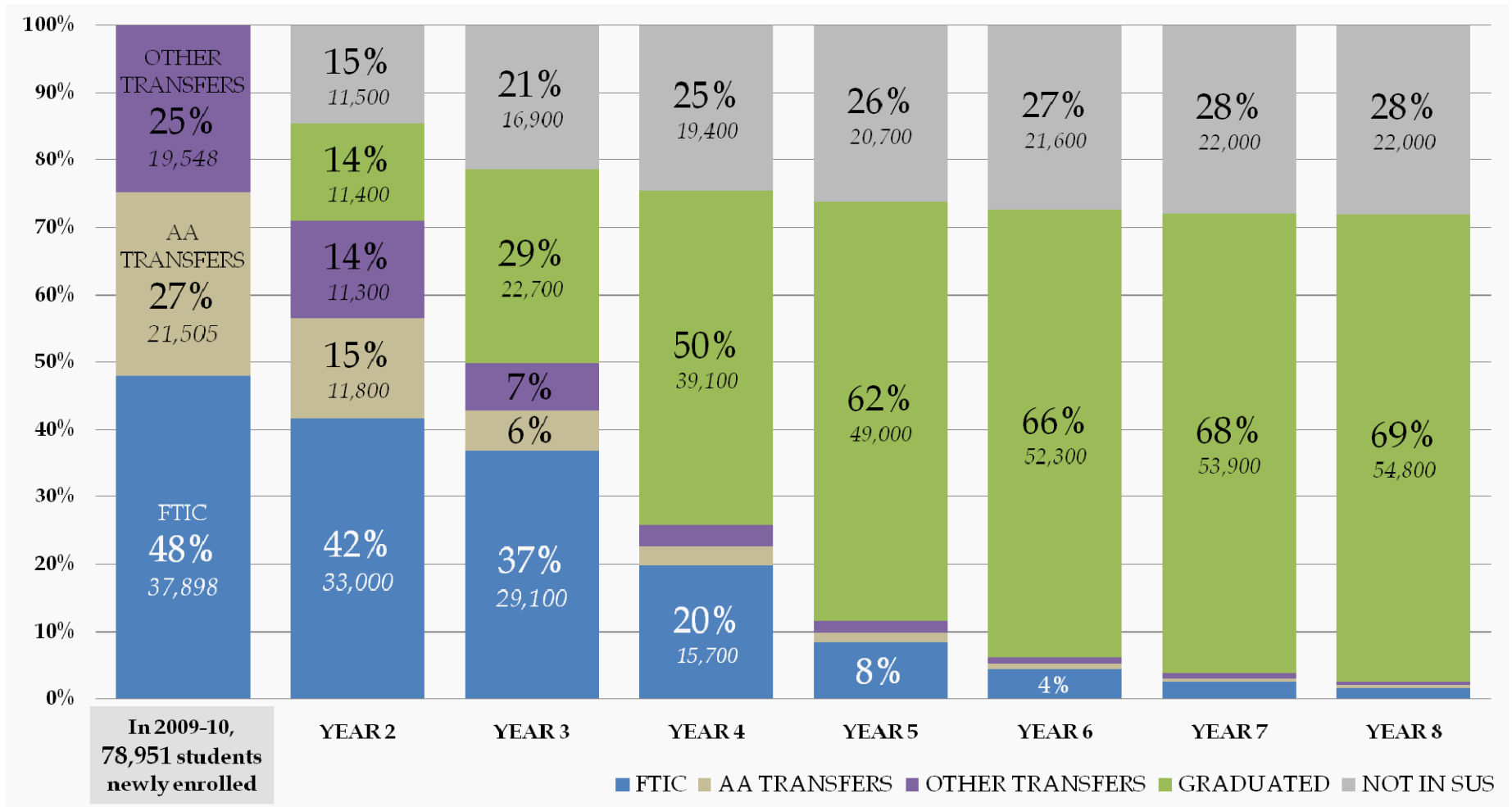


POLICY LEVERS

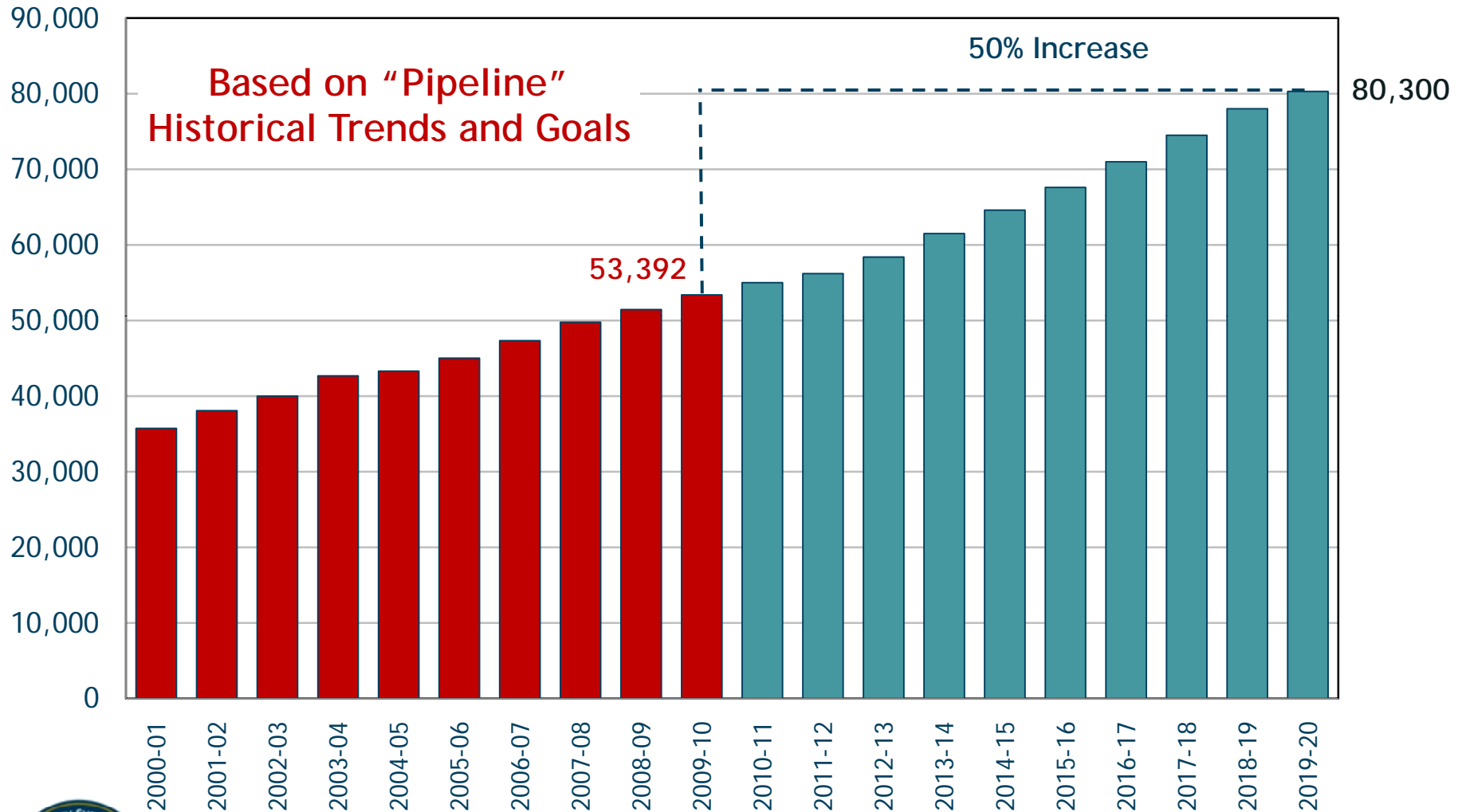
- Increase size and preparedness of entering student body (expand capacity, change admissions standards, admissions of non-AA FCS transfers, admission of out-of-state and private transfers).
- Increase graduation rates and decrease time to degree.



Projections of SUS Student Progression Based on Historical Trends



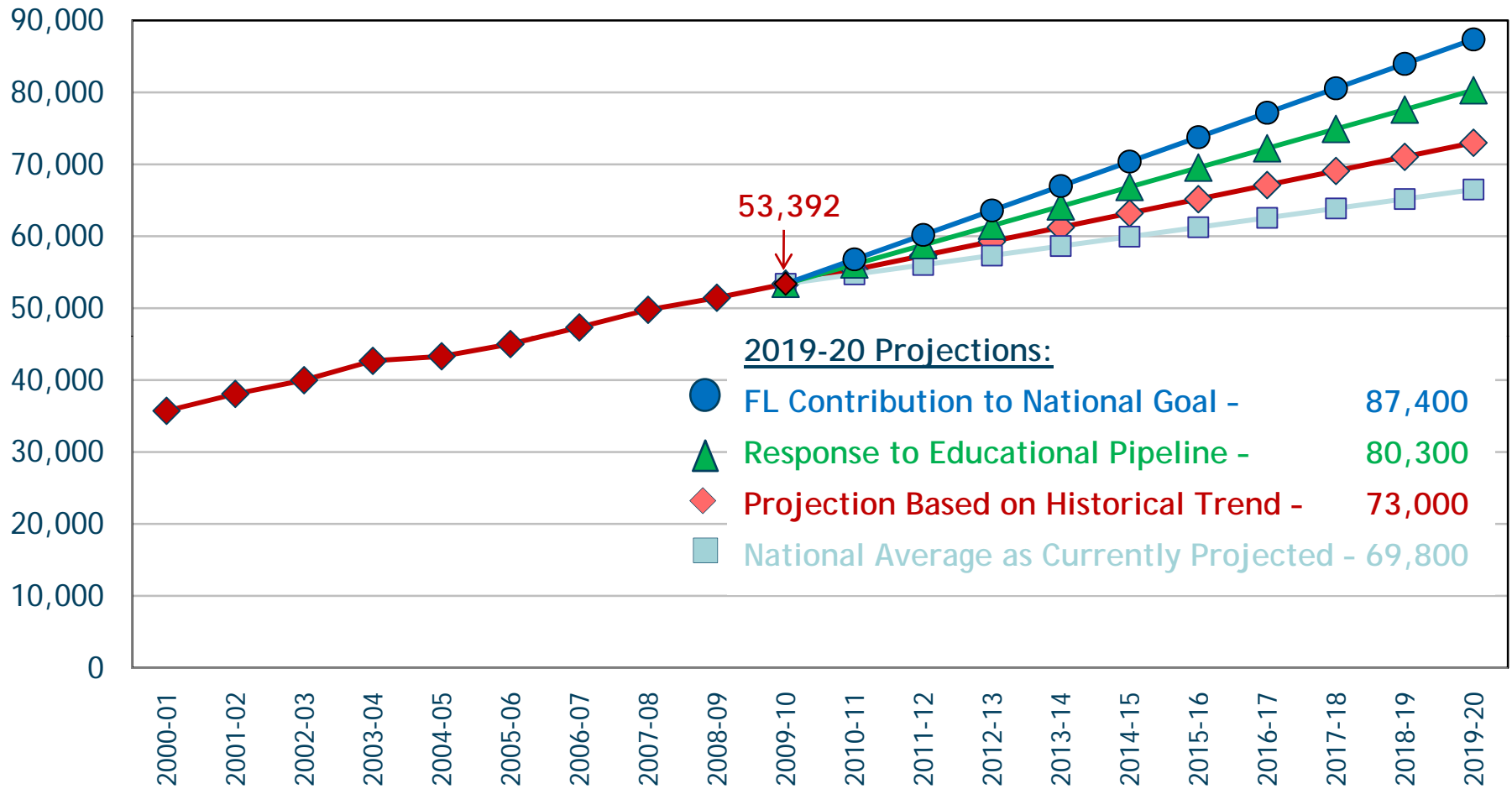
Baccalaureate Degree Production in the State University System - Model



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Source: Based on analysis of data from the Florida Dept. of Education and the State University Data System, FL Board of Governors

Baccalaureate Degree Production in the State University System - Models

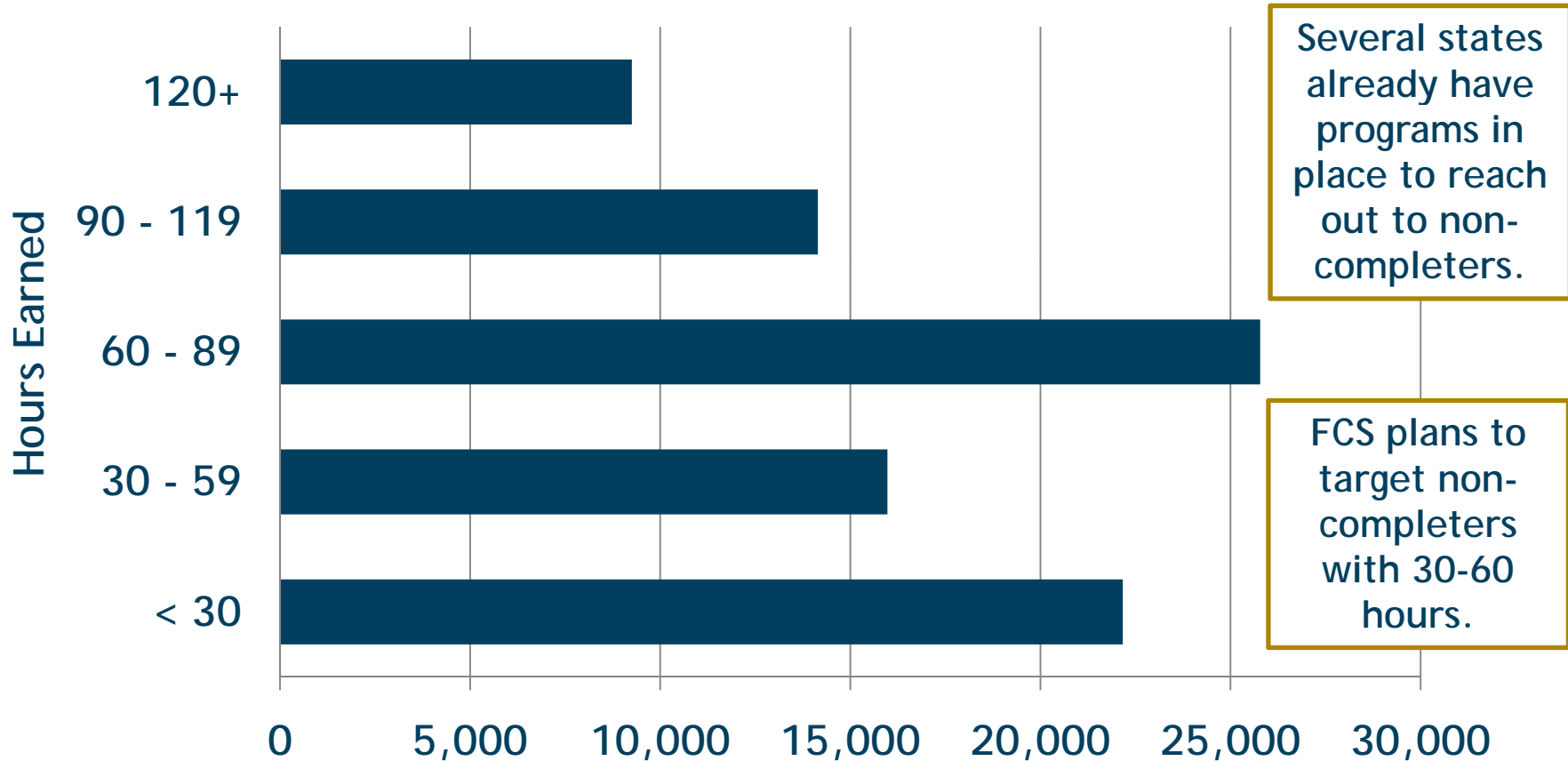


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Source: Based on analysis of data from the U.S. Department of Education, Integrated Postsecondary Education Data System ; the Florida Dept. of Education; and the State University Data System, FL Board of Governors

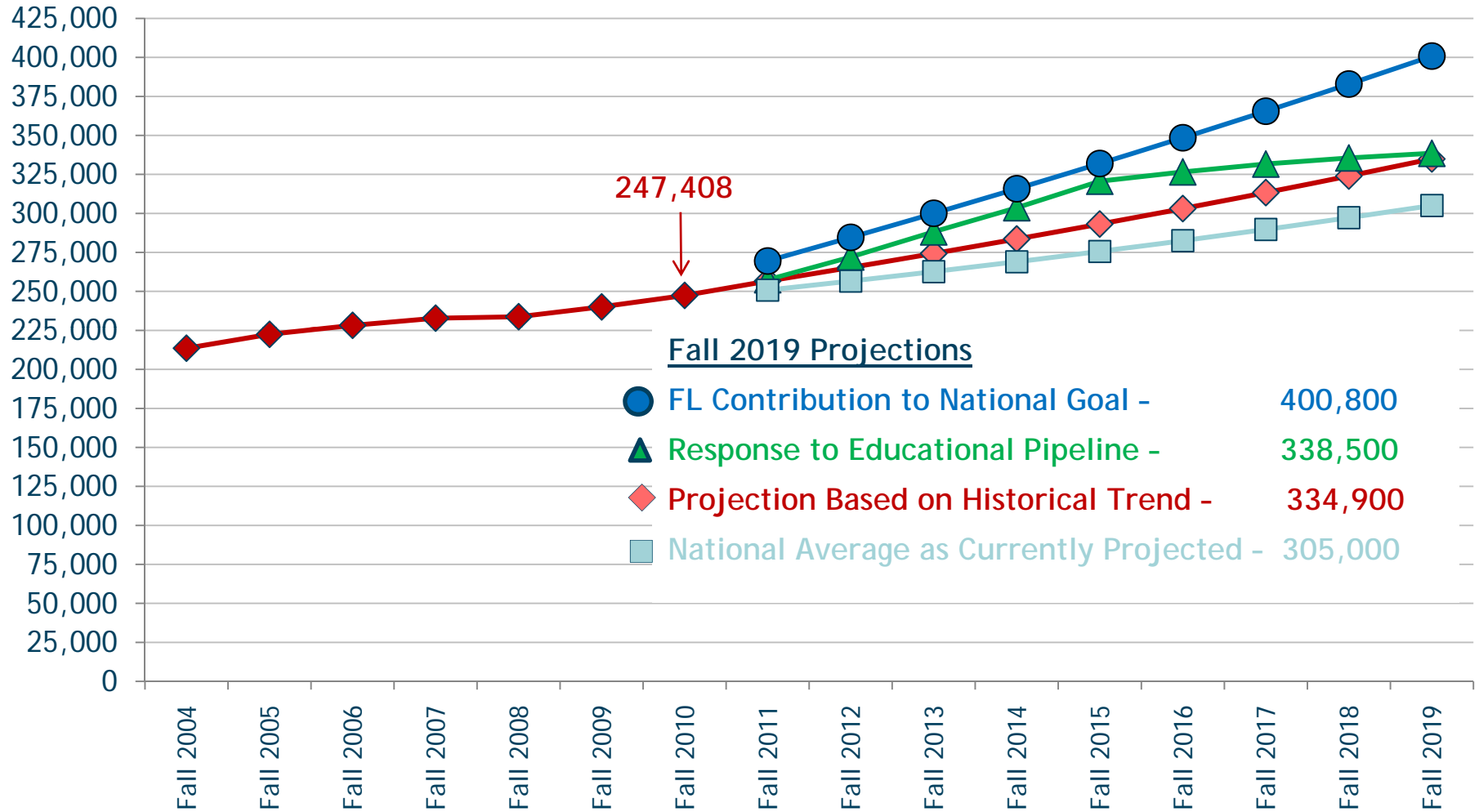
Adult Degree Completion Strategy

SUS Non-Completers 2004-05 Through 2007-08



Capacity Needs and Longer-Term Projections

Undergraduate Headcount Enrollment in the State University System - Models



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Source: Based on analysis of data from the U.S. Department of Education, Integrated Postsecondary Education Data System ; the Florida Dept. of Education; and the State University Data System, FL Board of Governors

Preliminary Longer-Term (2024-25) SUS Projections Based on Initial Models

ASSUMPTIONS:

- The SUS continues to award approximately two-thirds of the baccalaureates in Florida each year.
- SUS graduate degrees awarded continue to increase at the same rate for this initial analysis.
- Enrollment-to-degree patterns remain relatively the same or improve incrementally to achieve higher degree goals.
- The K-12 sector and the Florida College System meet their completion goals.

GENERAL PRELIMINARY PROJECTIONS BASED ON INITIAL MODELS:

- Between 80,000 and 100,000 Baccalaureate Degrees Annually.
- Fall Undergraduate Enrollment Between 380,000 and 480,000.
- Approximately 25,000 Master's Degrees Annually.
- Approximately 7,000 Doctoral Degrees Annually.
- Fall Graduate Enrollment Between 125,000 and 170,000.
- Additional Non-Degree-Seeking Student Enrollment.
- Needed Capacity Between 500,000 and 650,000.



Questions and Decision Points

Board Discussion: Questions and Decision Points

FOR EXAMPLE:

- Goal for Florida - Number of baccalaureate degrees to be awarded annually.
- Expected State University System contribution to the baccalaureate degree goal.
- SUS master's and doctoral degree goals.
- How to best structure the SUS to achieve the degree goals.
- Expected contribution to degree goals from individual institutions.
- Is the SUS producing enough degrees in "high-growth" fields to meet the state's current and future demands?
- What policies are in place to encourage students to complete a degree - particularly students from groups historically at greater risk of not completing degrees?
- [Others to be identified by Board members.]



Process for Moving Forward

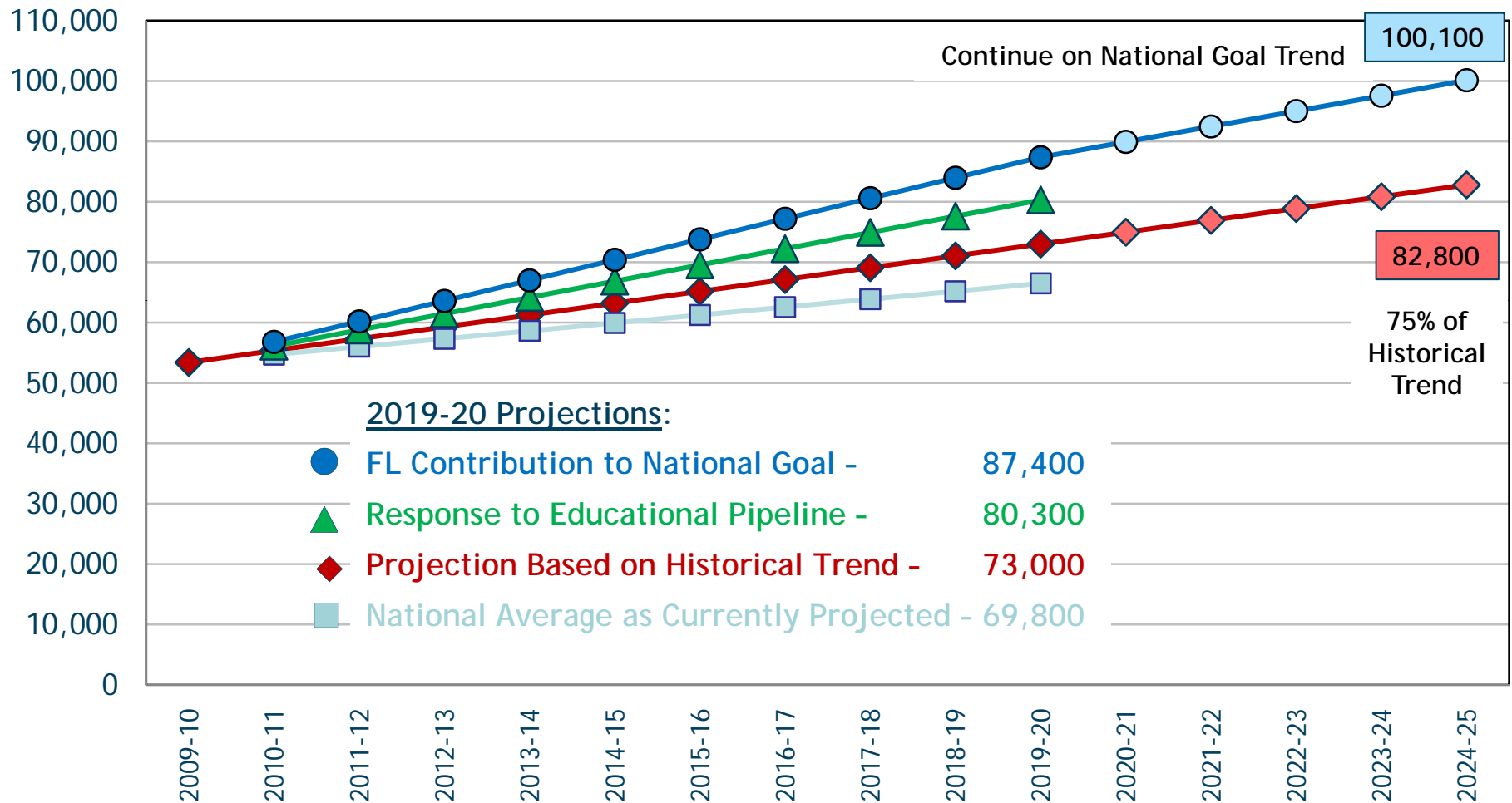
- Regulation development:
 - Educational sites.
 - Continuing education.
 - Academic coordination.
 - New institutions.
- Updates to University Work Plans will be reviewed at the June Board of Governors meeting, providing more information regarding each institution's strategic goals and contribution to System-wide goals.
- Coordination with Higher Education Coordinating Council (HECC) and other sectors for broader statewide higher education planning.
- Board and university staff research related to other topics of interest to the Board for possible inclusion in the Strategic Plan.
- Strategic Planning Committee leadership in reviewing materials and facilitating further Board discussions regarding strategic planning and written Strategic Plan.



BACKGROUND:

**Details on How Initial Longer-Term
Projections Were Calculated**

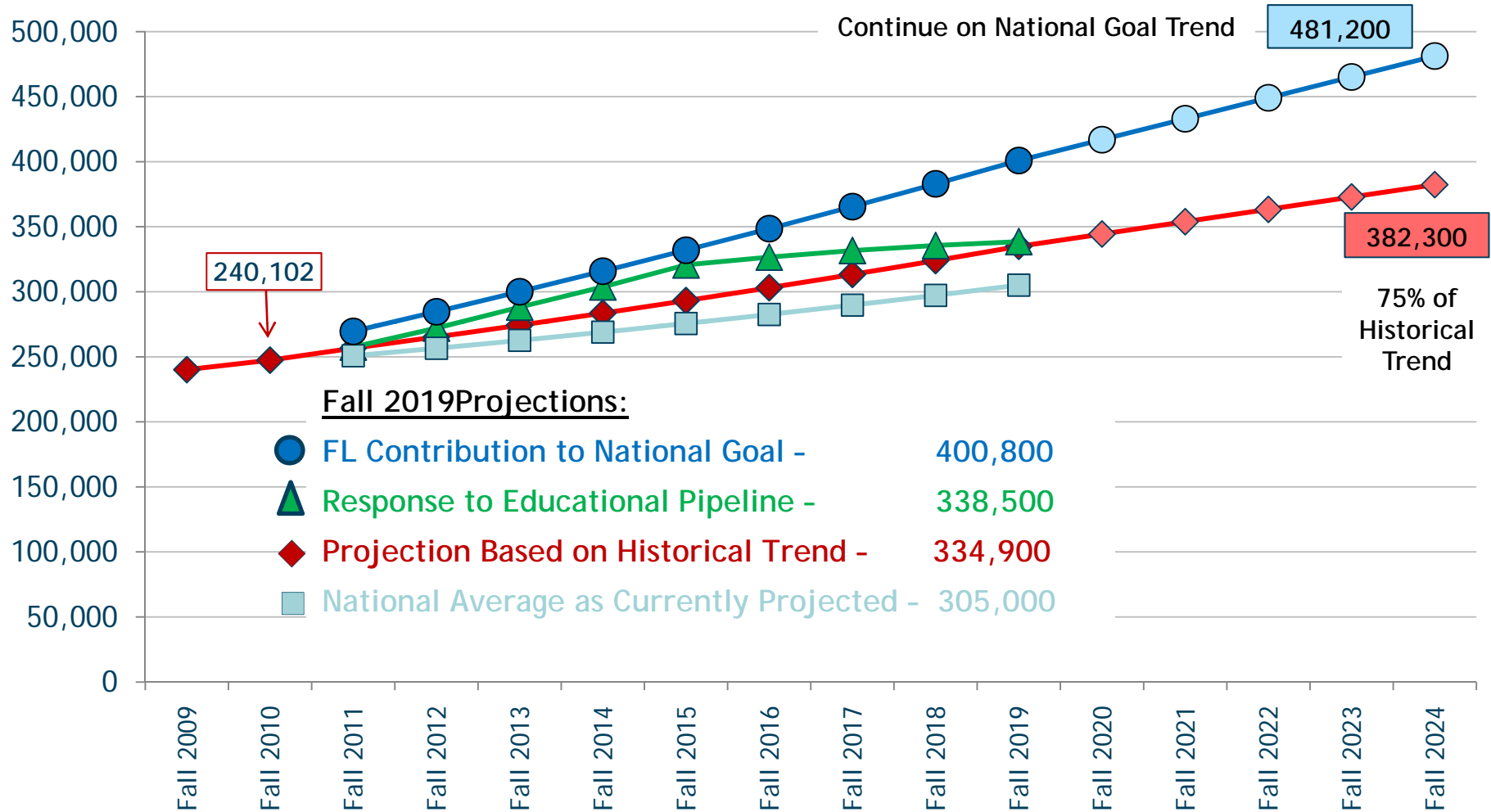
Longer-Term Projected Baccalaureate Degree Production in the State University System



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Source: Based on analysis of data from the U.S. Department of Education, Integrated Postsecondary Education Data System; the Florida Dept. of Education; and the State University Data System, FL Board of Governors

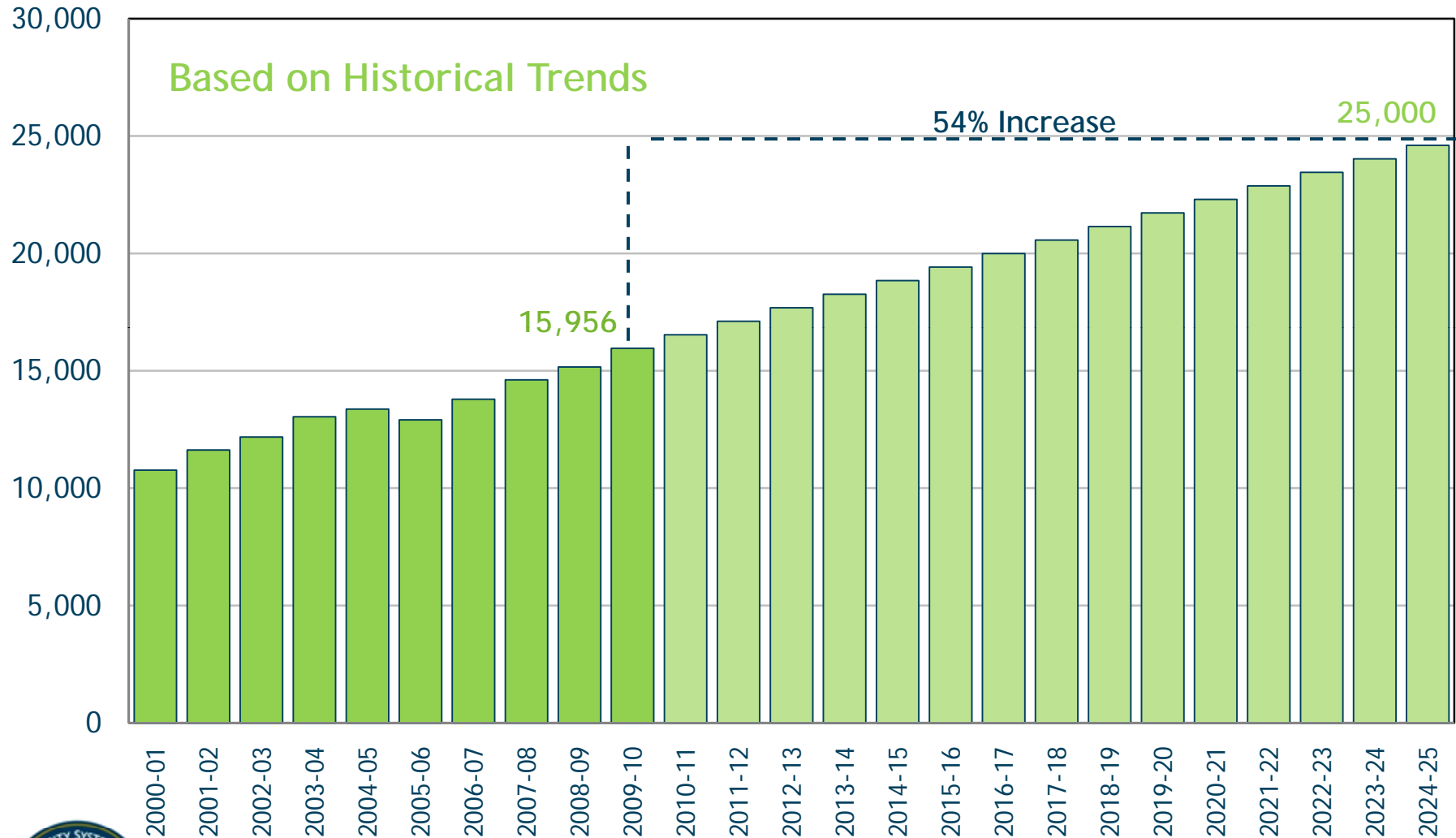
Longer-Term Projected Undergraduate Headcount Enrollment in the State University System



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Source: Based on analysis of data from the U.S. Department of Education, Integrated Postsecondary Education Data System ; the Florida Dept. of Education; and the State University Data System, FL Board of Governors

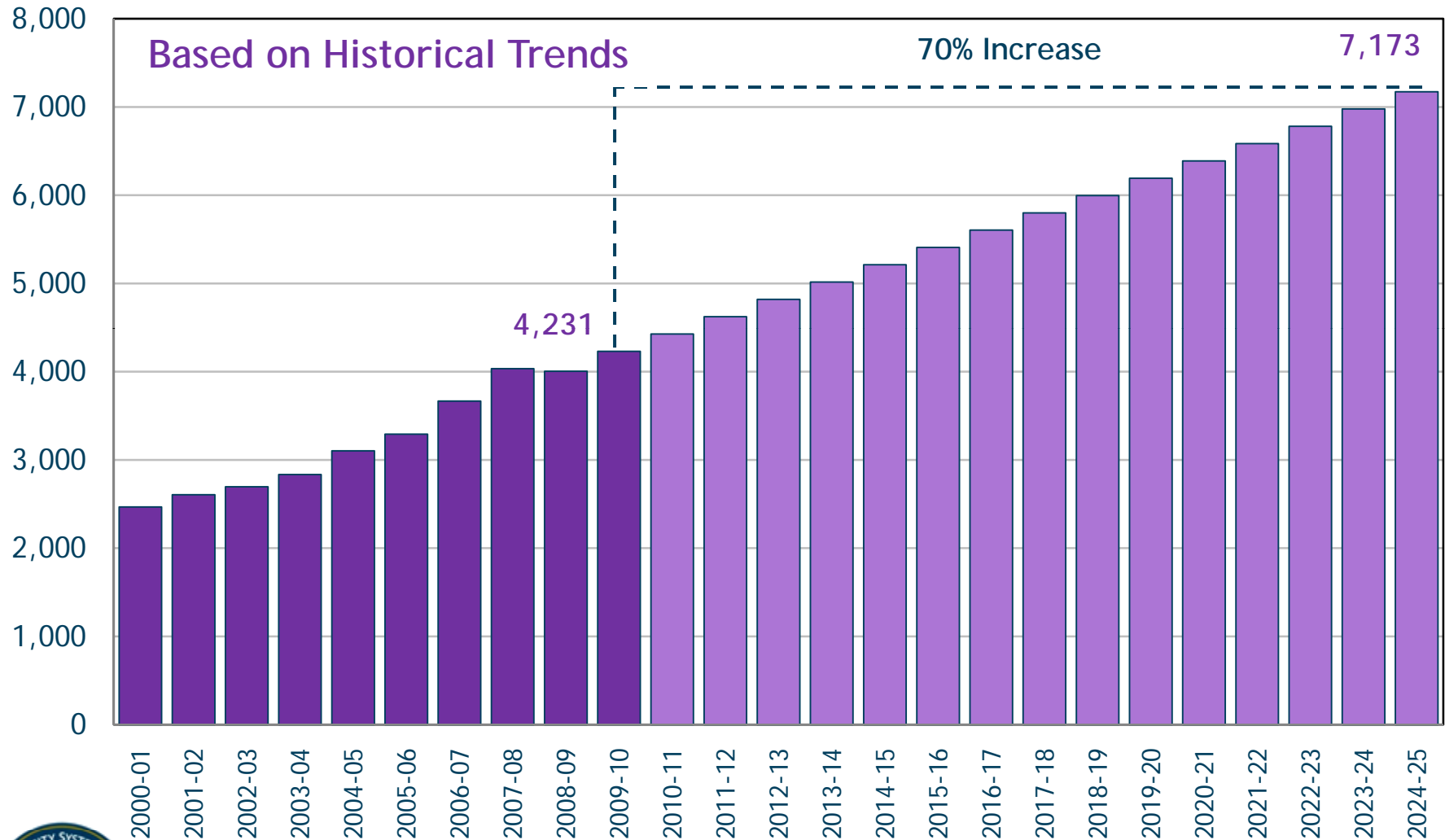
Master's Degree Production in the State University System - Model



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Source: Based on analysis of data from the State University Data System, FL Board of Governors

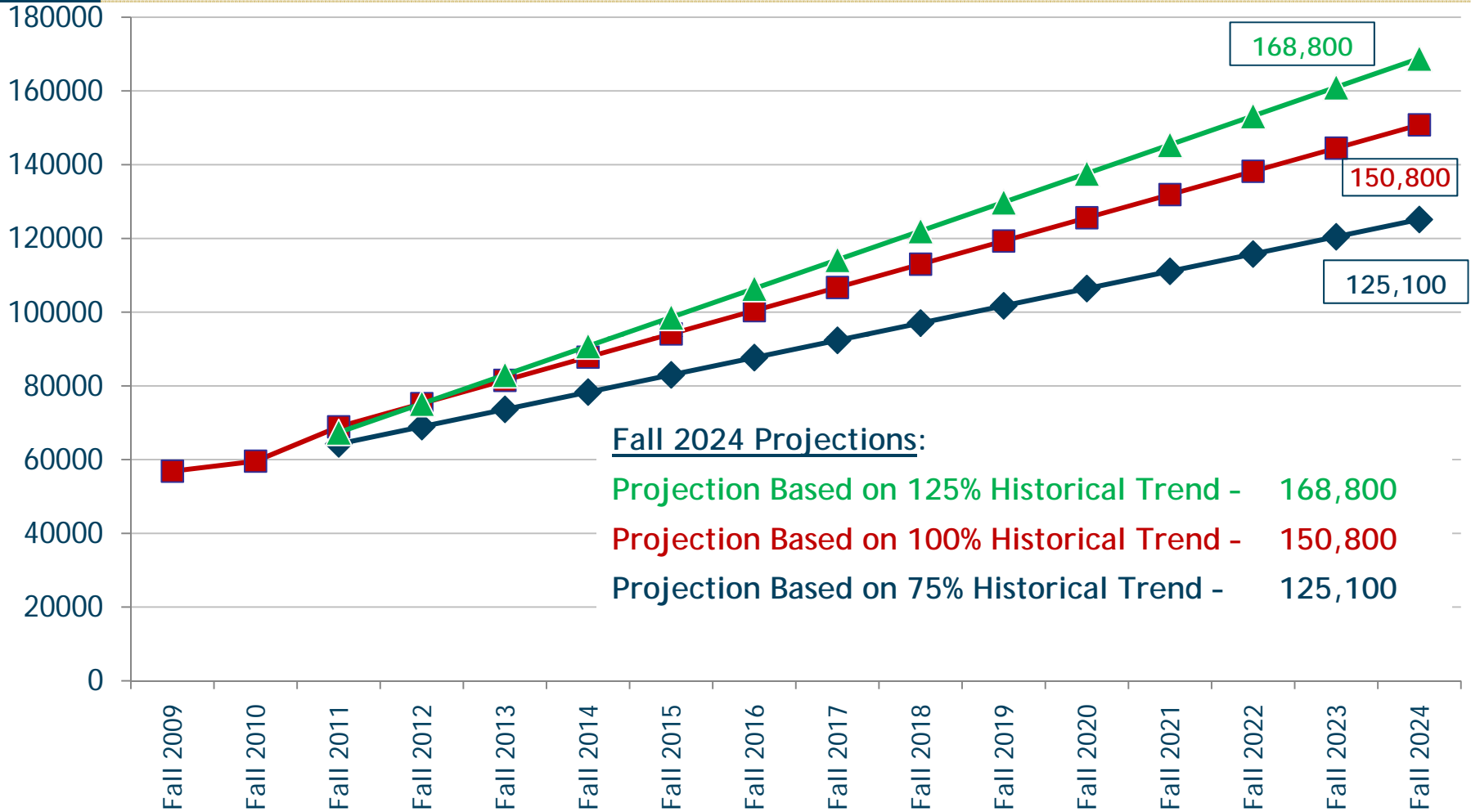
Doctoral Degree Production in the State University System - Model



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Source: Based on analysis of data from the State University Data System, FL Board of Governors

Longer-Term Projected Graduate Headcount Enrollment in the State University System



Fall 2024 Projections:

Projection Based on 125% Historical Trend - 168,800

Projection Based on 100% Historical Trend - 150,800

Projection Based on 75% Historical Trend - 125,100



Preliminary Fall 2024 Overall Headcount Enrollment Projections Based on Initial Modeling

481,200 Undergraduate + 168,800 Graduate = 650,000*



382,300 Undergraduate + 125,100 Graduate = 507,400*

*plus non-degree-seeking students

