

# From High School and Into the Workforce

## Examining Florida's Public Education Pipeline

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# Today's Presentation

- Focus of this study as commissioned by the Board
- Current progress and findings
- Next steps

# Research Questions: Education Pipeline

- How many and what percentage of students who start high school actually complete?
- What are the odds of college attendance and completion for Florida 9th graders and how do those odds vary geographically and demographically?

# Other Research Questions

- How many and what percentage of students go on to a postsecondary education, when do students initially enroll, and how does this break down by sector (Florida College System [FCS] vs. Florida State University System [SUS])?
- Once in postsecondary education how many and what percentage remain at their original institutions, how many and what percentage transfer to a different institution; how many remain enrolled in postsecondary education, in general, into their sophomore year; and how many and what percentage complete a postsecondary credential and how long does it take them?

# Research Question (continued)

- For students with similar entering characteristics, how do odds of college completion vary by pathway and by initial sector/institution?
- For students with similar levels of academic preparation, how do college outcomes vary by family income/FRL status?
- For students with varying levels of high school academic preparation (grades, curriculum), what are employment outcomes for students who do not go to college?
- How do frequencies and intensities of employment while in college vary for students with different economic capacities and how does that affect odds of college success?
- How do labor market outcomes vary by educational pathway and outcome?

# Current Progress

- Setting the stage: State comparison of education pipelines
- Preliminary analysis: Student level data
- New data request submitted to the FLDOE in Spring 2016; currently under review.

# Public Education Pipeline

- High School Completion
- Entry into Postsecondary Education
- Persistence in Postsecondary Education
- Completion of Postsecondary Education
- Entry into the Workforce

# High School Completion

- Data from the National Center for Education Statistics
- Common Core of Data (CCD)
- Calculation of Averaged Freshman Graduation Rates (AFGR):

$$\frac{\text{number of regular high school diplomas in 2007-08}}{\text{average}(8^{\text{th}} \text{ graders in fall 2003, } 9^{\text{th}} \text{ graders in fall 2004, } 10^{\text{th}} \text{ graders in fall 2005)}}$$

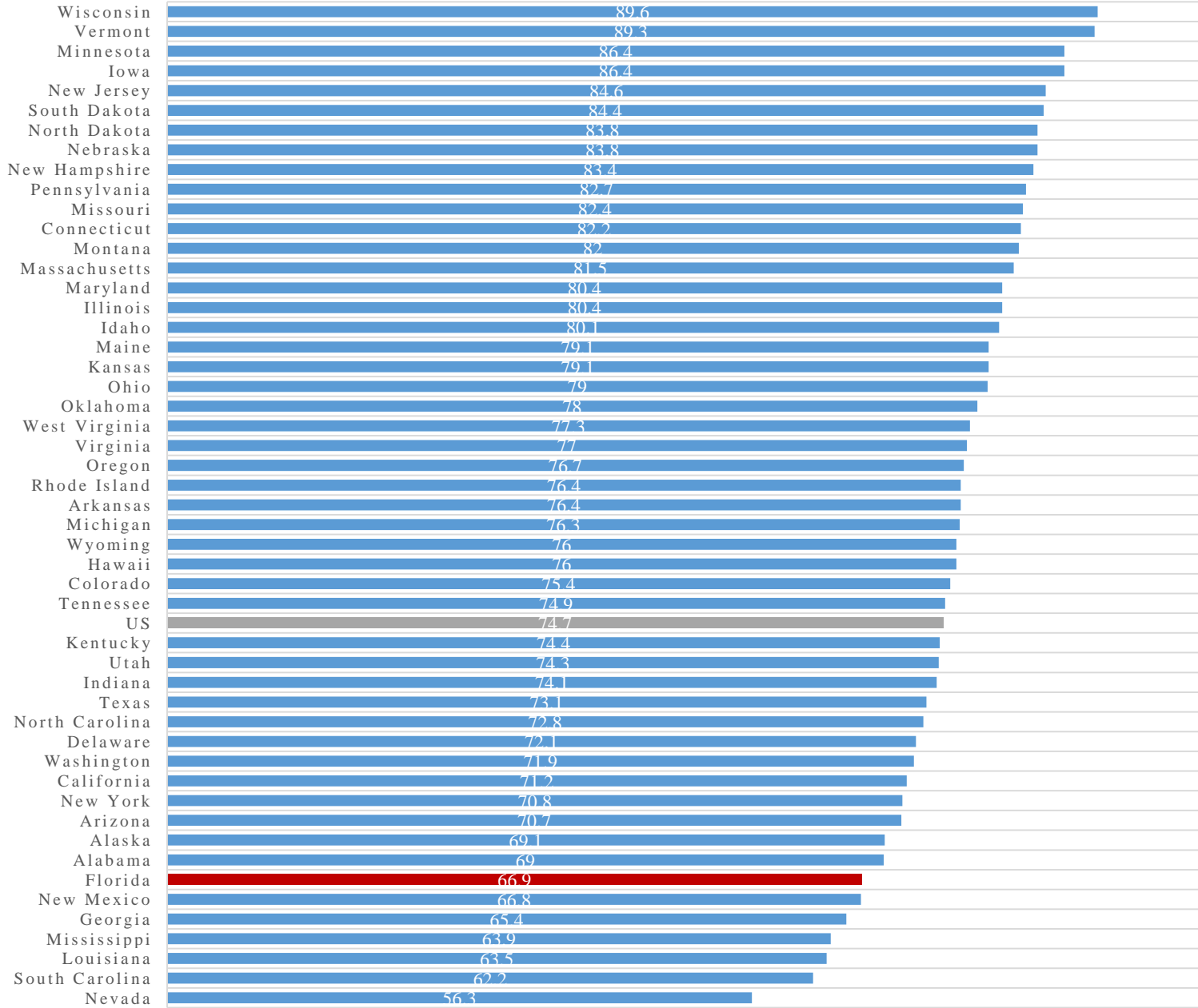


# High School Completion

National Average: 74.7%

Florida: 66.9%

Rank: 44



# Entry into Postsecondary Education

- Data from the National Center for Education Statistics
- Integrated Postsecondary Education System (IPEDS)
- Calculation of postsecondary enrollment rate

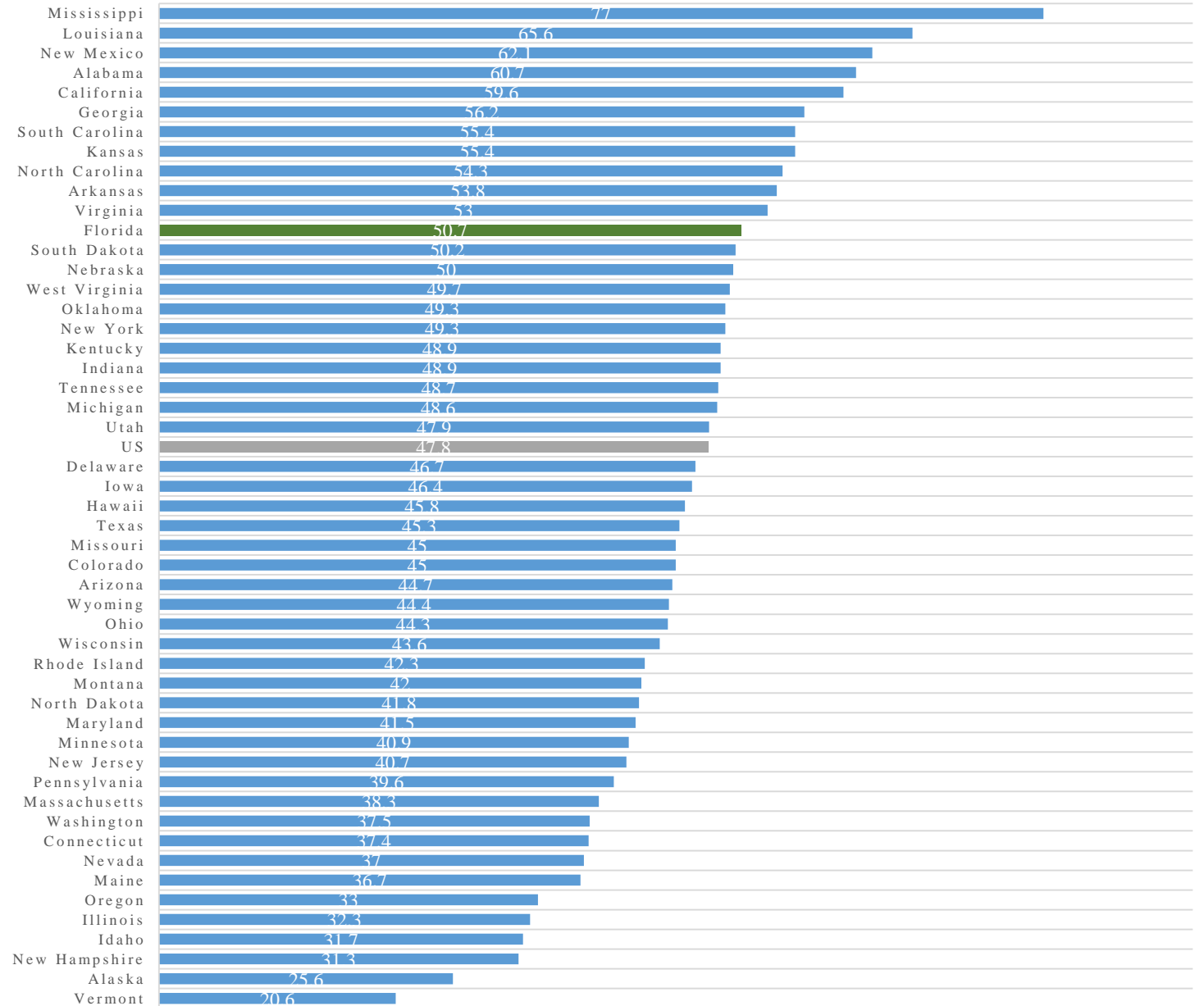
$$\frac{\text{number of in-state first-time enrolled in public 2yr or 4yr in fall 2008}}{\text{number of regular high school diplomas in 2007-2008}}$$

# Entry into Postsecondary Education

National Average: 47.8%

Florida: 50.7%

Rank: 12



# Persistence in Postsecondary Education

- Data from IPEDS
- Calculated separately for 2yr and 4yr

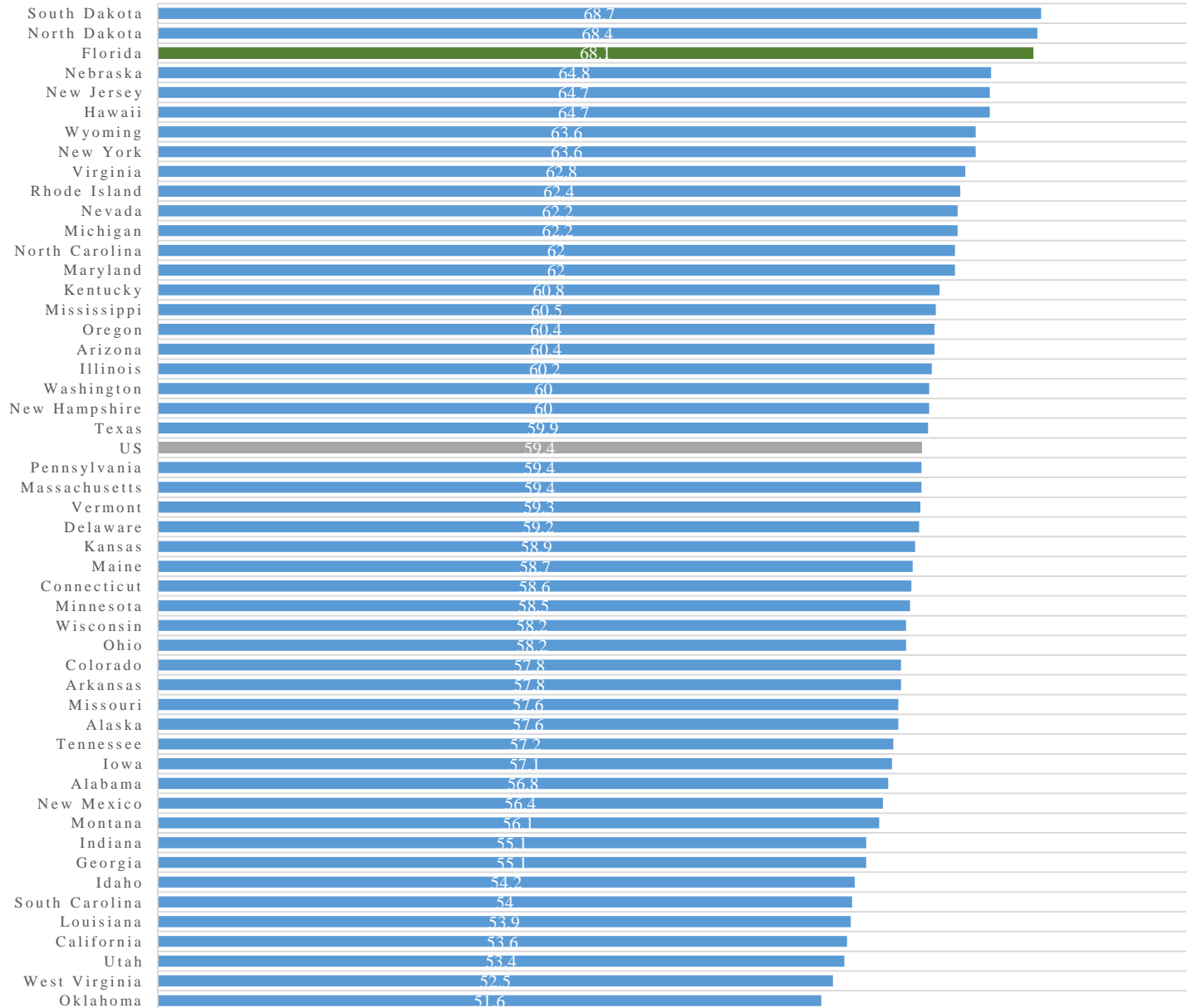
$$\frac{\text{number of first-time 2008 still enrolled in 2yr or 4yr in fall 2009}}{\text{number of first-time enrolled in 2yr or 4yr in fall 2008}}$$

# Persistence in Postsecondary Education (Two-Year Colleges)

National Average: 59.4%

Florida: 68.1%

Rank: 3

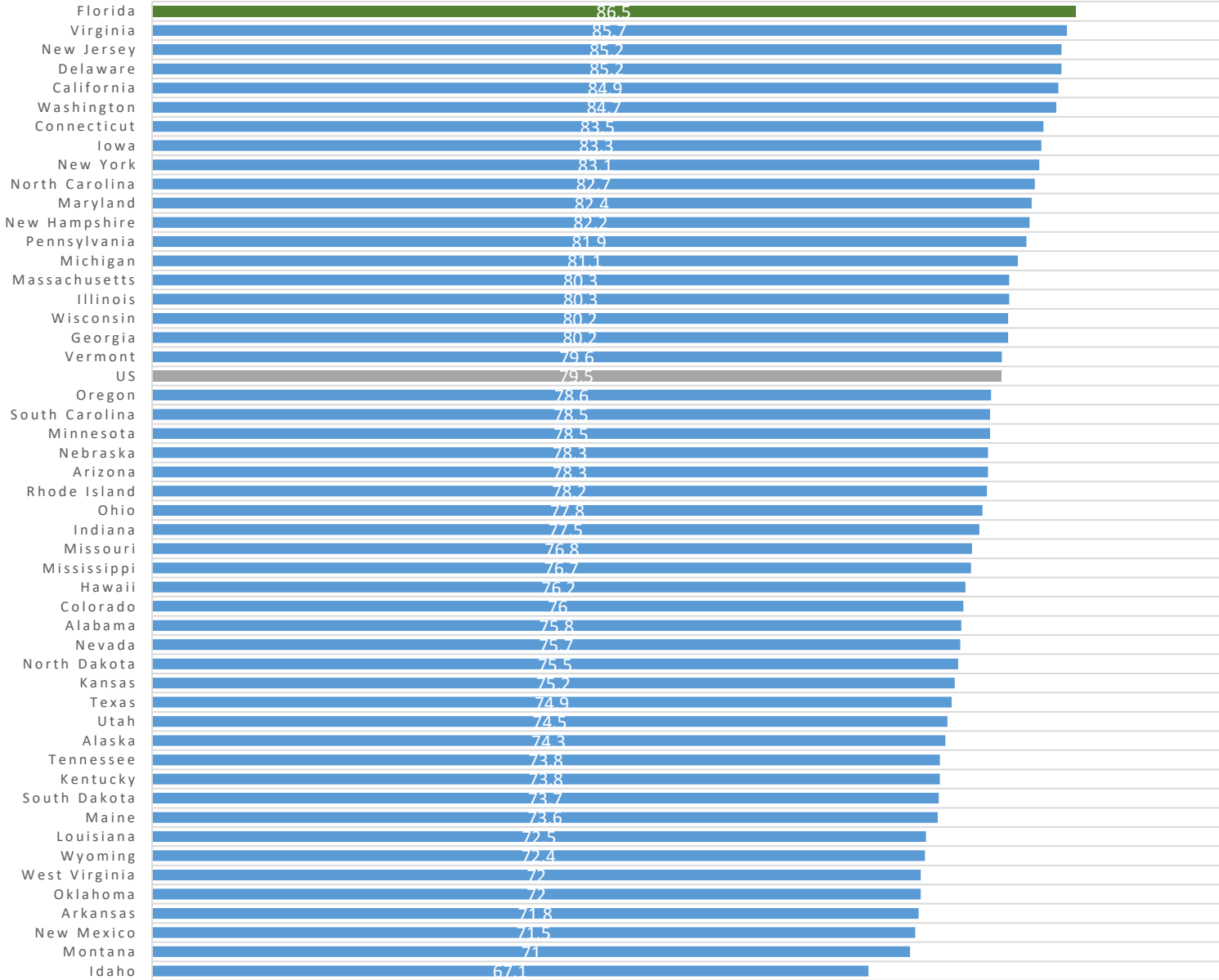


# Persistence in Postsecondary Education (Four-Year Universities)

National Average: 79.5%

Florida: 86.5%

Rank: 1



# Completion of Postsecondary Credential

- Data from IPEDS
- Calculated separately for 2yr and 4yr

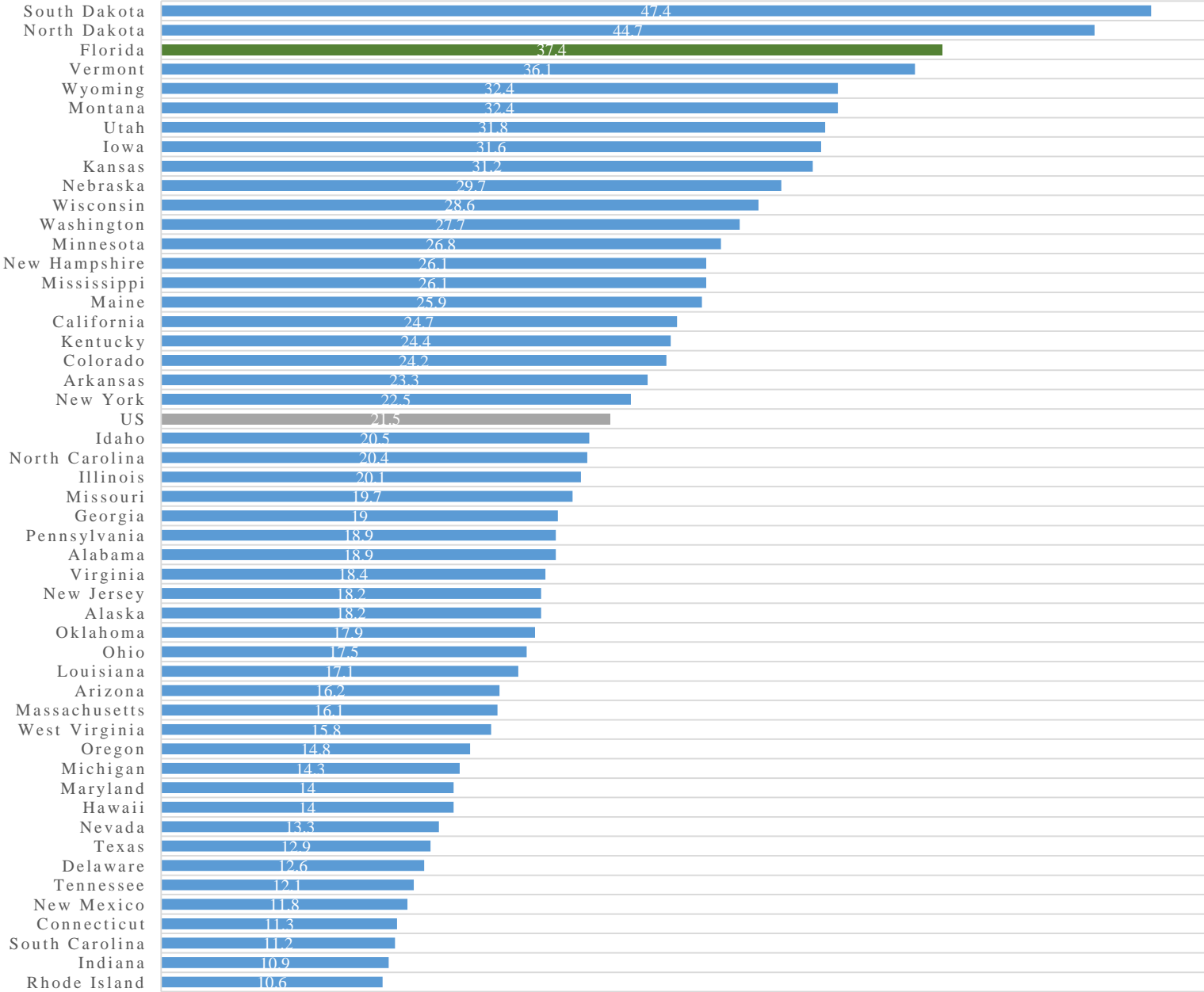
$$\frac{\text{number completing credential within 150\% of program}}{\text{number of first-time enrolled in 2yr or 4yr in fall 2008}}$$

# Completion of Postsecondary Credential (Two-Year Colleges)

National Average: 21.2%

Florida: 37.4%

Rank: 3



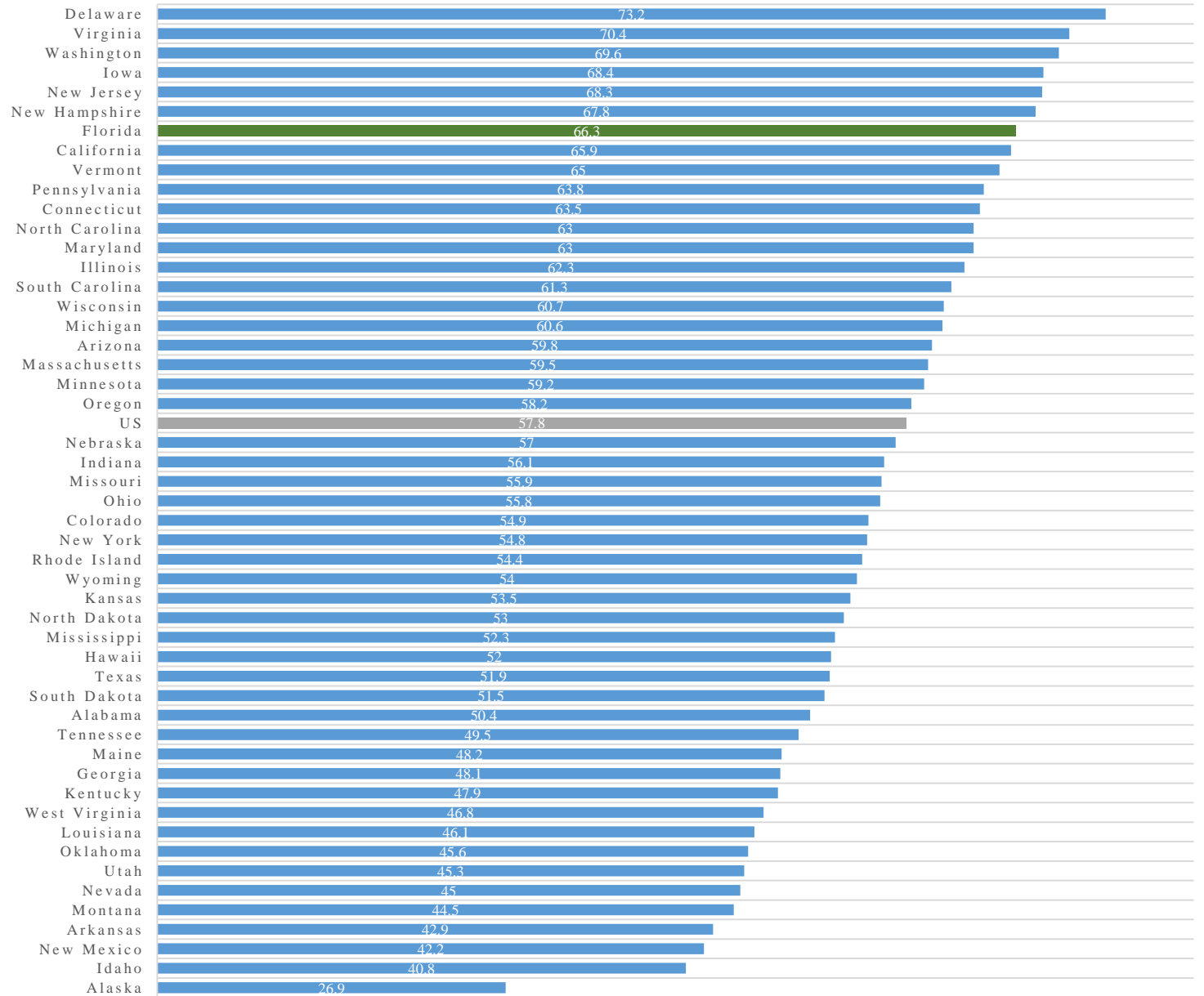


# Completion of Postsecondary Credential (Four-Year Universities)

National Average: 57.8%

Florida: 66.3%

Rank: 7



# Summary: State Level Analysis

- Florida leads the nation in persistence at four-year universities
- Postsecondary enrollment and graduate rates also very high
- High school completion rates among the lowest in the nation
- Look at this a different way...

# Overall Public Education Pipeline

- Instead of examining success at each major juncture, it is possible to measure overall success.
- Beginning with 100 students who began 9<sup>th</sup> grade in fall 2004, how many:
  - Graduate from high school on time?
  - Directly enter a public college or university?
  - Are still enrolled their second year?
  - Graduate from a public college within 150% of time?

# Overall Public Education Pipeline

	Of 100 9th Graders, How Many:	Graduate from High School On Time?	Directly Enter Any Public College?	Are Still Enrolled Their Second Year?	Graduate from Public College Within 150% Time?
Florida	100	67	34	26	17
US	100	75	36	25	15

# Overall Public Education Pipeline

21  
South Dakota  
Virginia

20  
Nebraska

19  
California  
Iowa  
Kansas  
Wisconsin

18  
North Carolina  
North Dakota

17  
Delaware  
**Florida**  
Michigan  
Mississippi

16  
Colorado  
Indiana  
Louisiana  
Pennsylvania

15  
Alabama  
Kentucky  
Minnesota  
Missouri  
New Hampshire  
Ohio  
**US**  
West Virginia

14  
Arkansas  
Montana  
Utah  
Washington  
Wyoming

13  
Arizona  
Connecticut  
Georgia  
Maryland  
New Jersey  
Oklahoma  
Rhode Island  
South Carolina  
Tennessee

<=12  
Mass. (12)  
New York (12)  
Maine (11)  
New Mexico (11)  
Texas (11)  
Vermont (11)  
Hawaii (10)  
Illinois (10)  
Oregon (10)  
Idaho (9)  
Nevada (8)  
Alaska (5)

# Summary: Overall Educational Pipeline

- While relatively high among the states in terms of the overall health of the public education timeline, Florida still lags in terms of high school graduation rates.
- These state-level figures may mask additional trends for certain student groups (race/ethnicity and low income).
- Current status: preliminary analysis using previously released student-level data.
- Step for the future: fresh analysis of recent cohorts of Florida students.

# Preliminary Student Level Analysis

- Preliminary analysis of a cohort of Florida high school students who graduated from high school in spring 2000.
- Tracked for 6 years through public postsecondary institutions.
- Disaggregated by race/ethnicity.
- Note: these figures are not for public release.