

Overview of Demographics: Population, Education Pipeline, and Beyond

Higher Education Coordinating Board

June 28, 2007

Discussion Overview

1. **Changes in state population**
 - **General growth**
 - **Age**
 - **Race/ethnicity**
 - **Income**

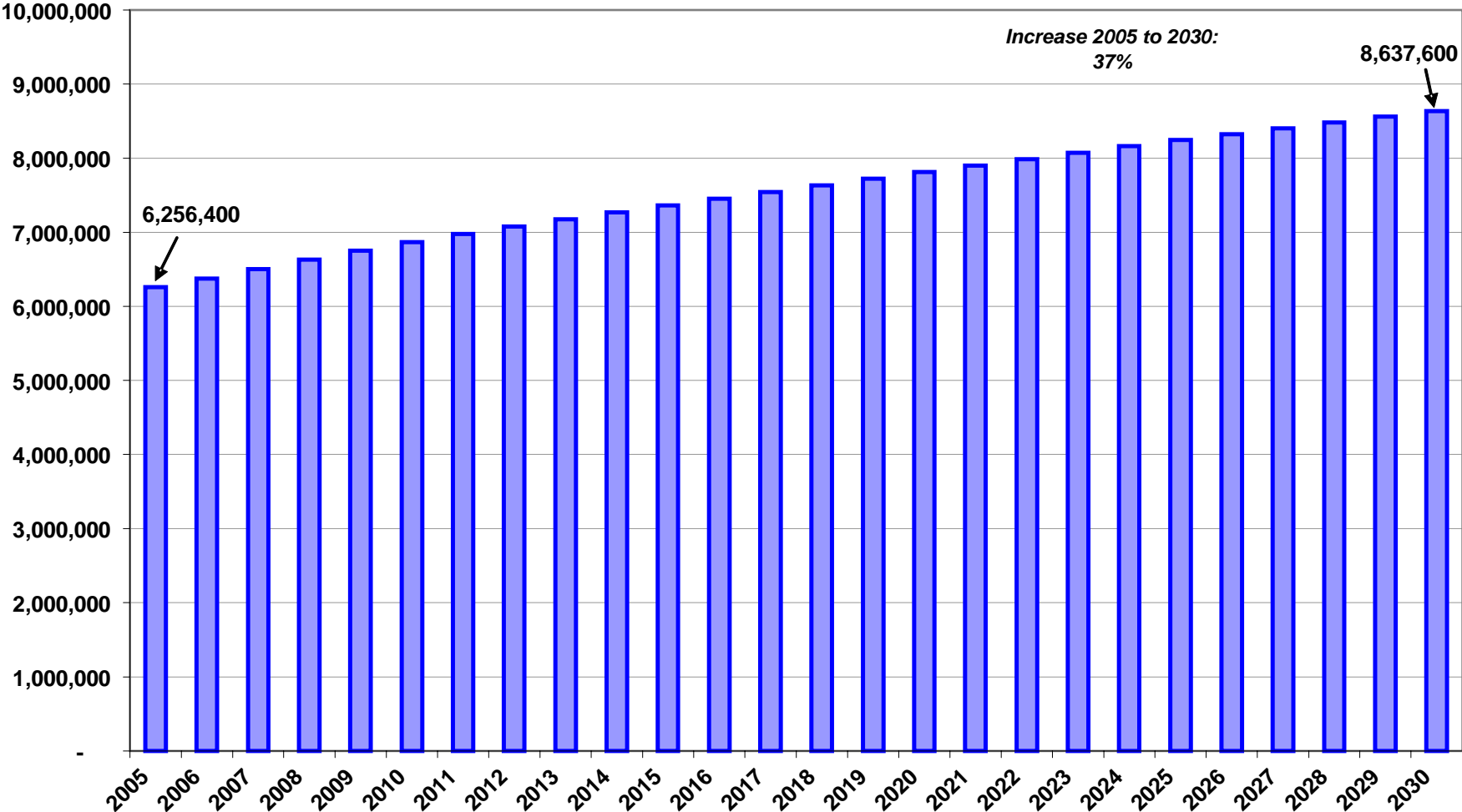
2. **K-12 through College: “Pipeline Perspective”**
 - **Trends and forecasts for students exiting high school**

3. **Beyond the Pipeline**
 - **Total numbers of completions each year**
 - **degrees and other awards**

4. **Education Attainment in Washington**
 - **Degree production**
 - **Migration**
 - **Degree attainment comparisons to other states/nations**

Total Population Projected to Increase by 37%:

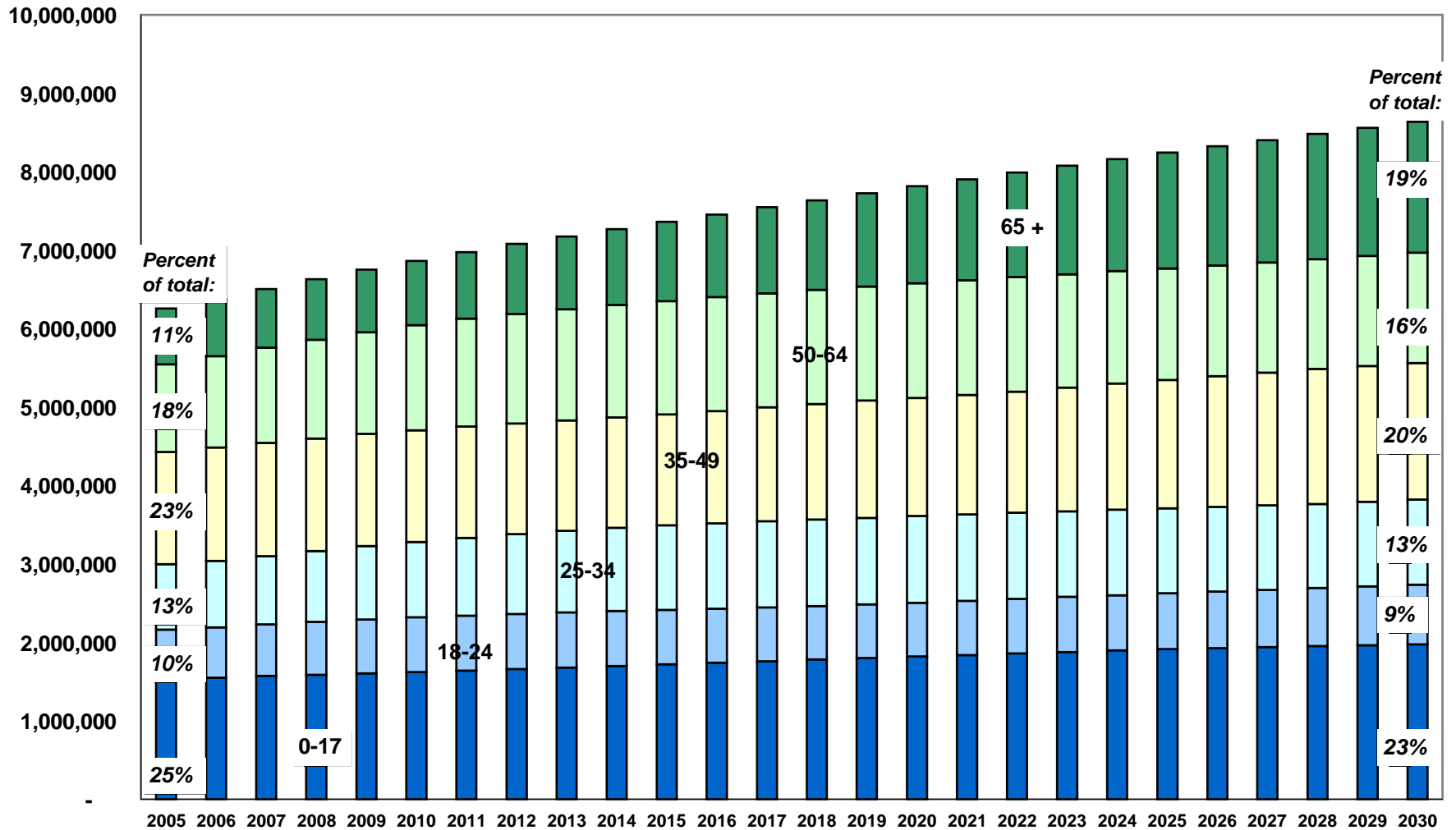
2005-2030



Source: OFM, November 2006, Forecast of Population by Age and Sex

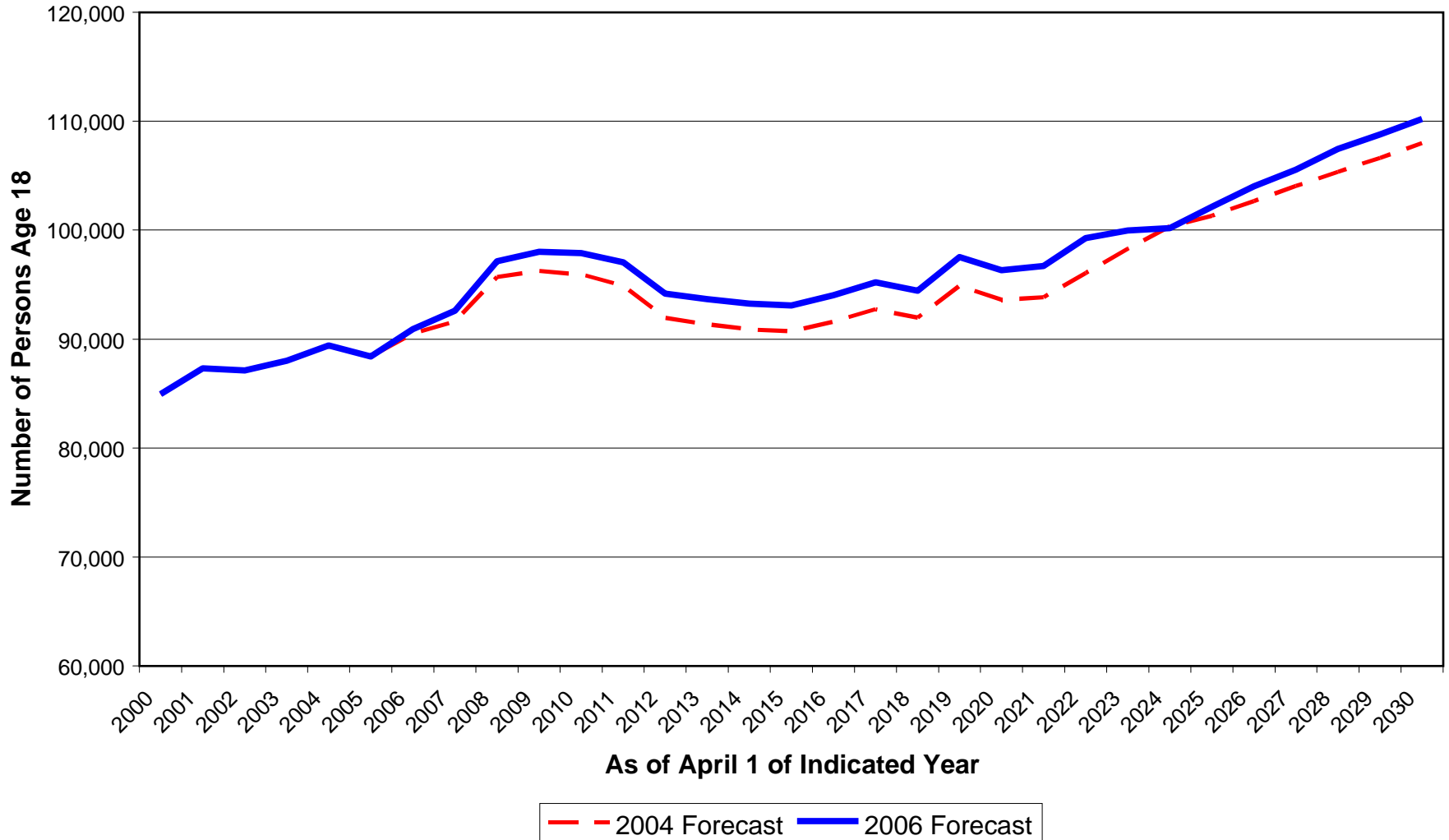
Population Projections by Age Group: 65 and over will increase significantly

2005 - 2030



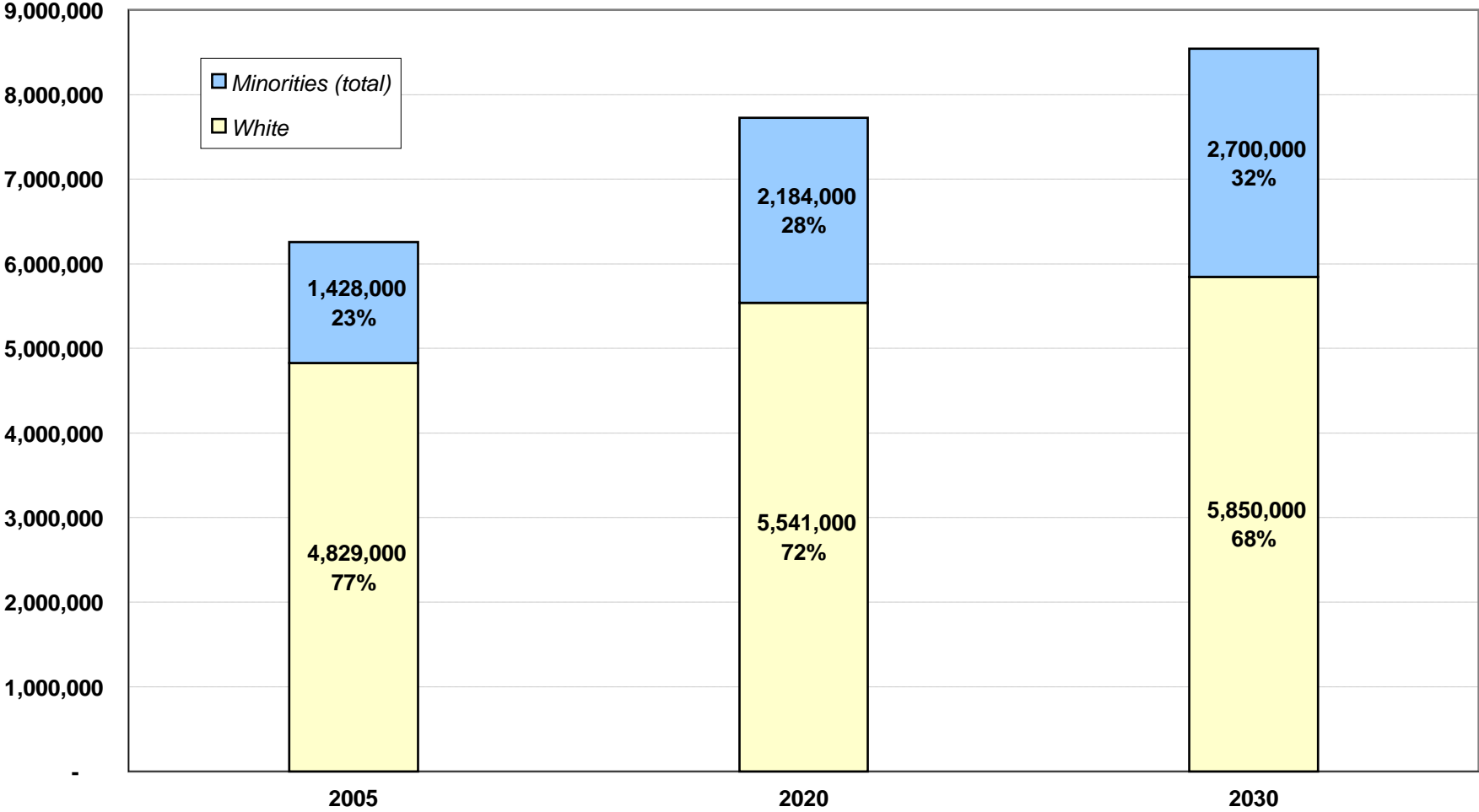
Source: OFM, November 2006, Forecast of Population by Age and Sex

Washington State Population Forecast: Age 18 projections have been revised upward



Minorities will become a larger part of the total population

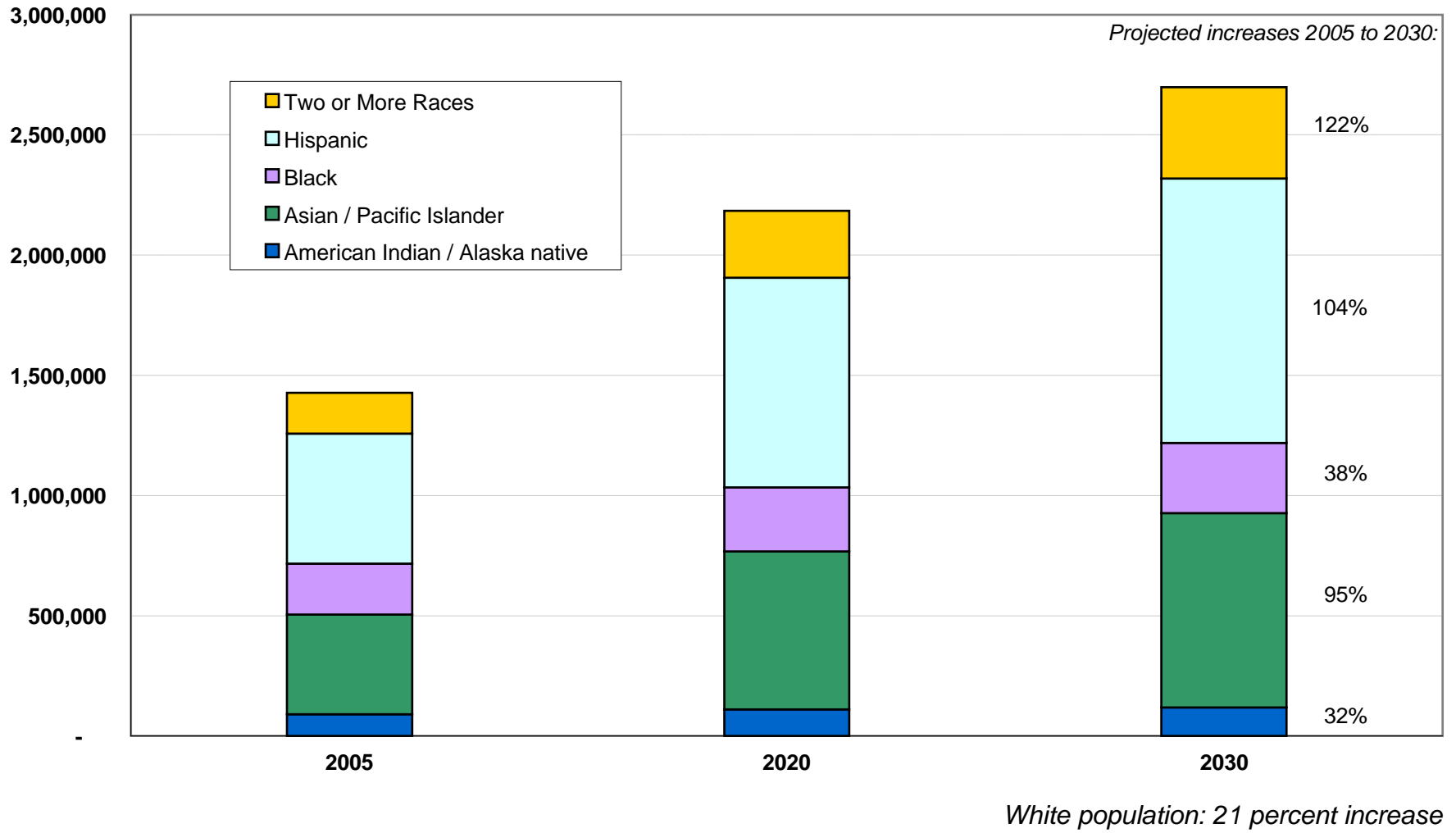
Total Population by Race/Ethnicity: 2005, 2020, 2030



Source: OFM, Projections of the total Population and the Non Hispanic Population by Age, Gender, and Race by 5-year Intervals: 2000 to 2030

Percentage increases for minorities will exceed white increases

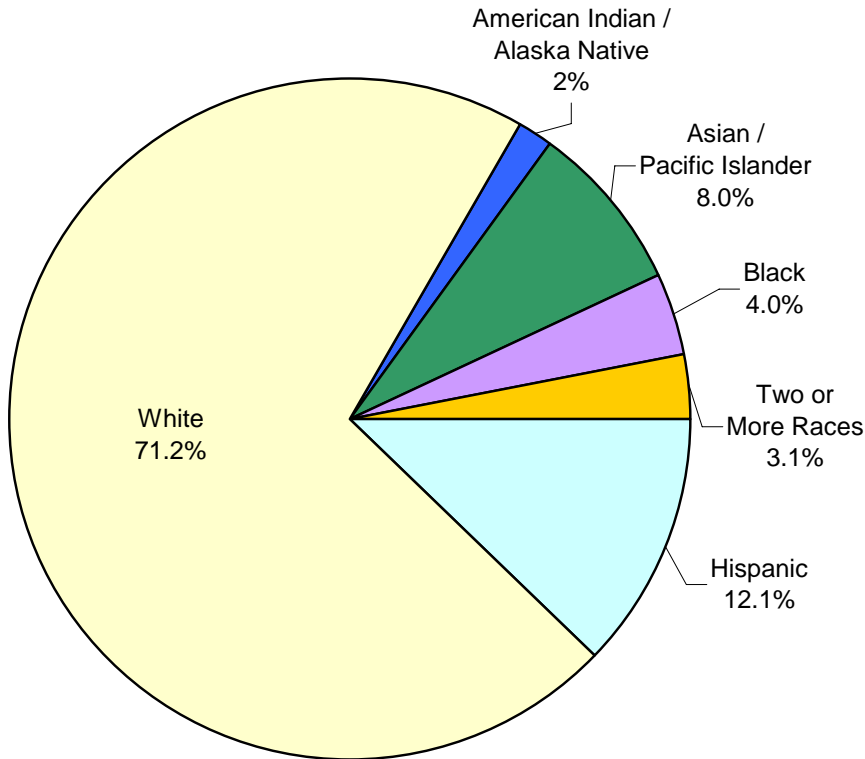
Minority Population Projections - all ages: 2005 to 2030



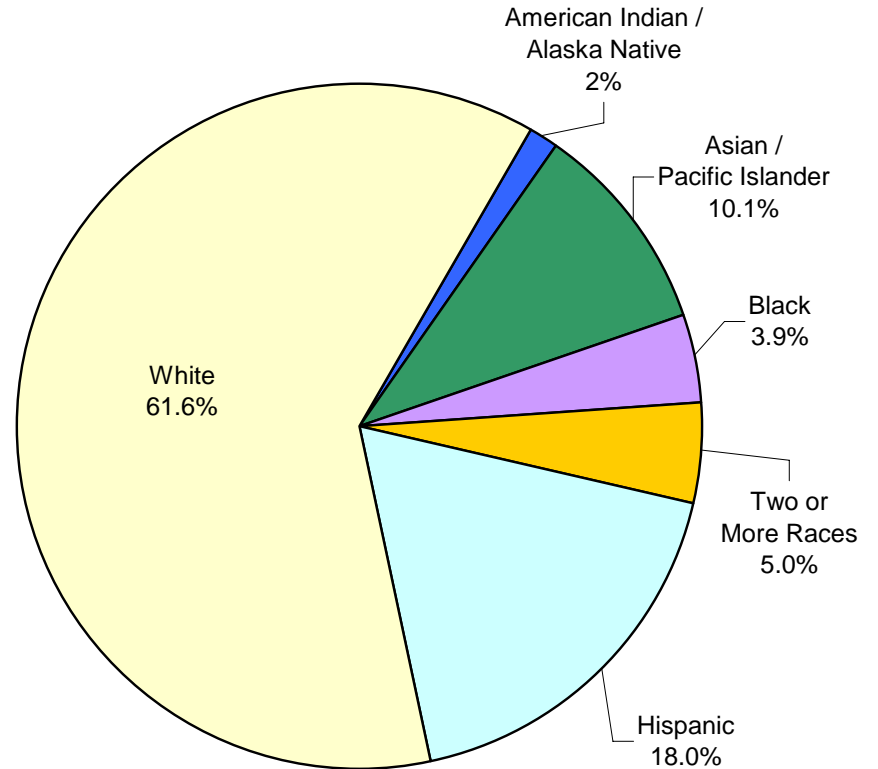
Washington's Population Will Become More Diverse by 2030

Percentage of Population ages 18-34: 2005 and 2030

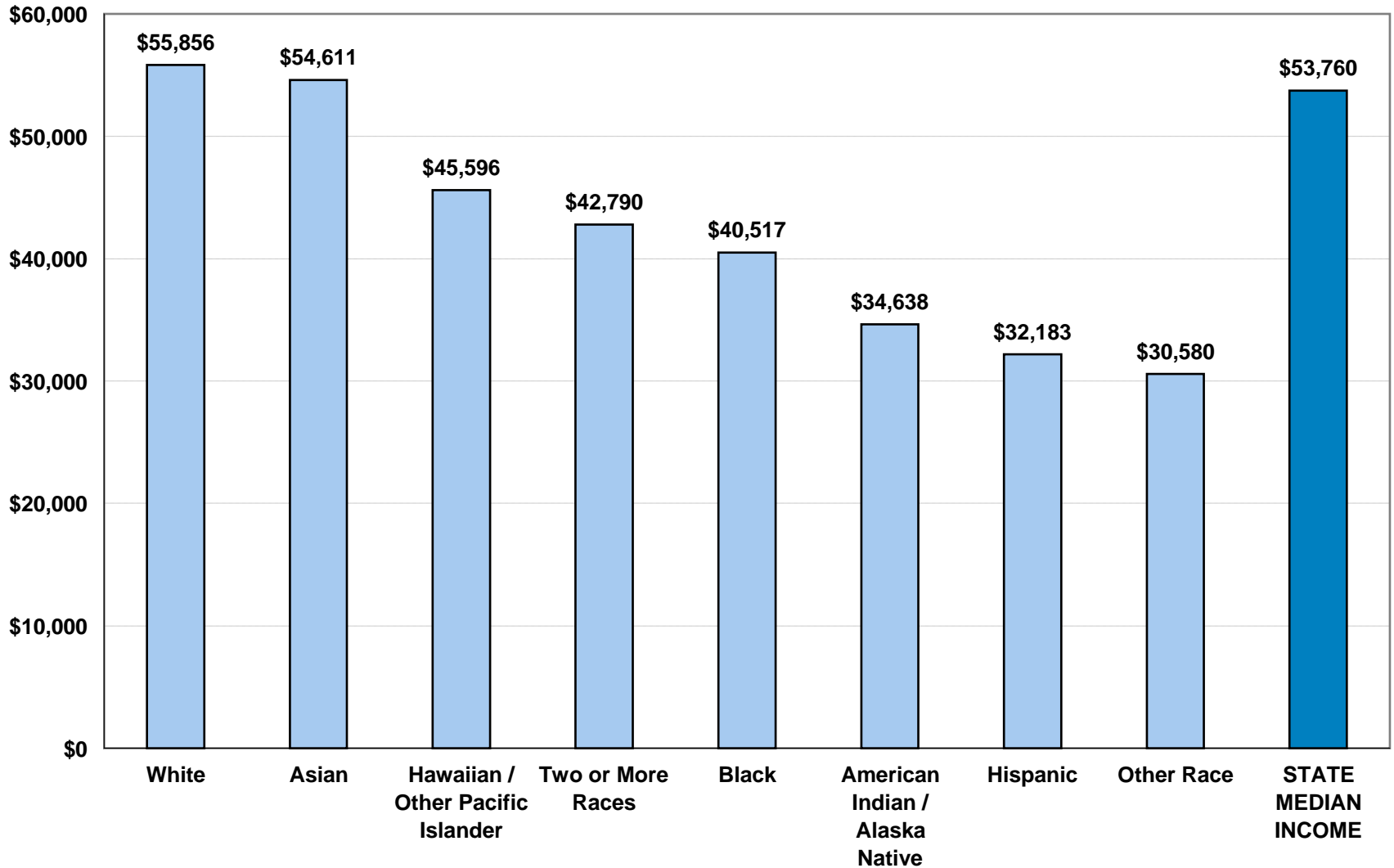
2005:
Population Ages 18-34 by Race/Ethnicity
(Number of persons age 18-34: 1.5 million)



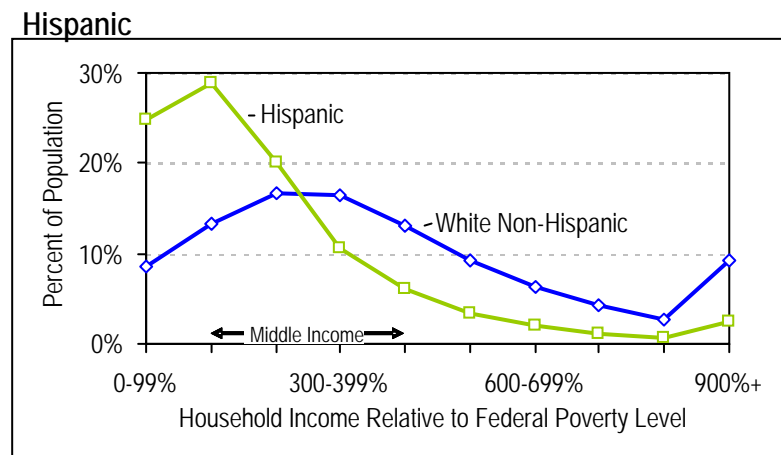
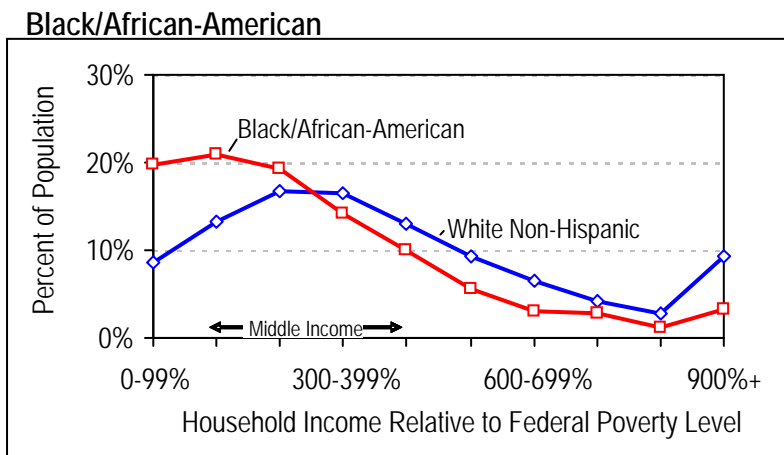
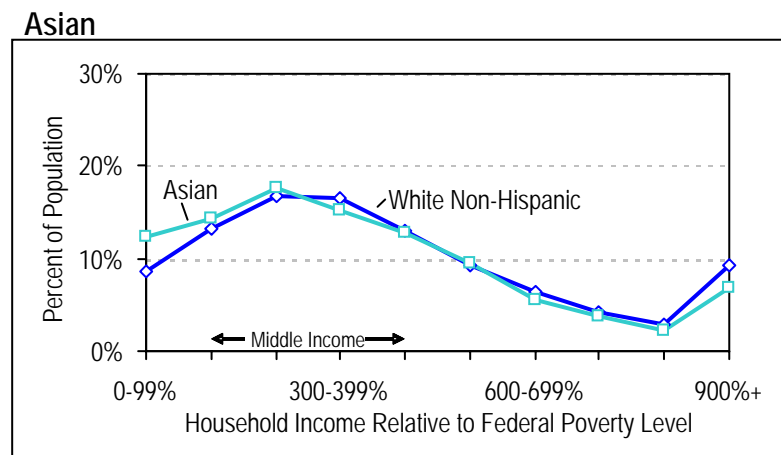
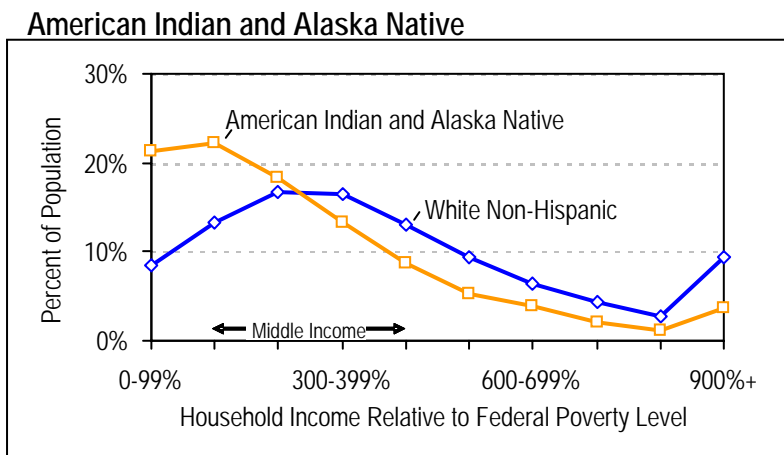
2030
Population Ages 18-34 by Race/Ethnicity
(Number of persons age 18-34: 1.8 million)



1999 Median Family Income in Washington: Disparities seen by Race/Ethnicity



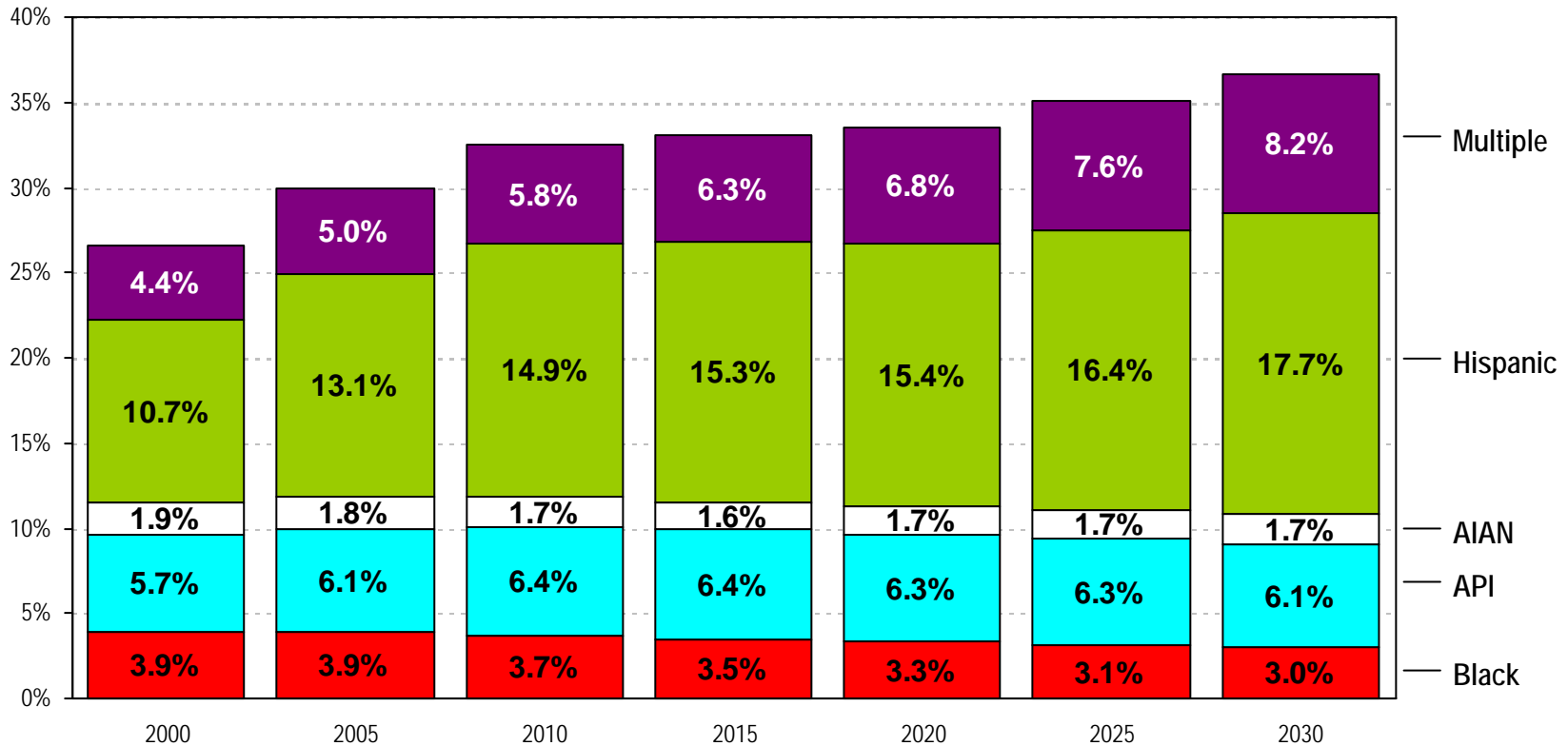
American Indians, African Americans, and the Hispanic Populations are More Likely than Whites or Asians to Have Household Incomes at the Lower End of the Income Distribution



*Federal Poverty Guidelines for 1999 show the poverty level for a family of four as \$16,700.
The 2007 poverty level for a family of four is \$20,650.

K-12 through College: “Pipeline Perspective”

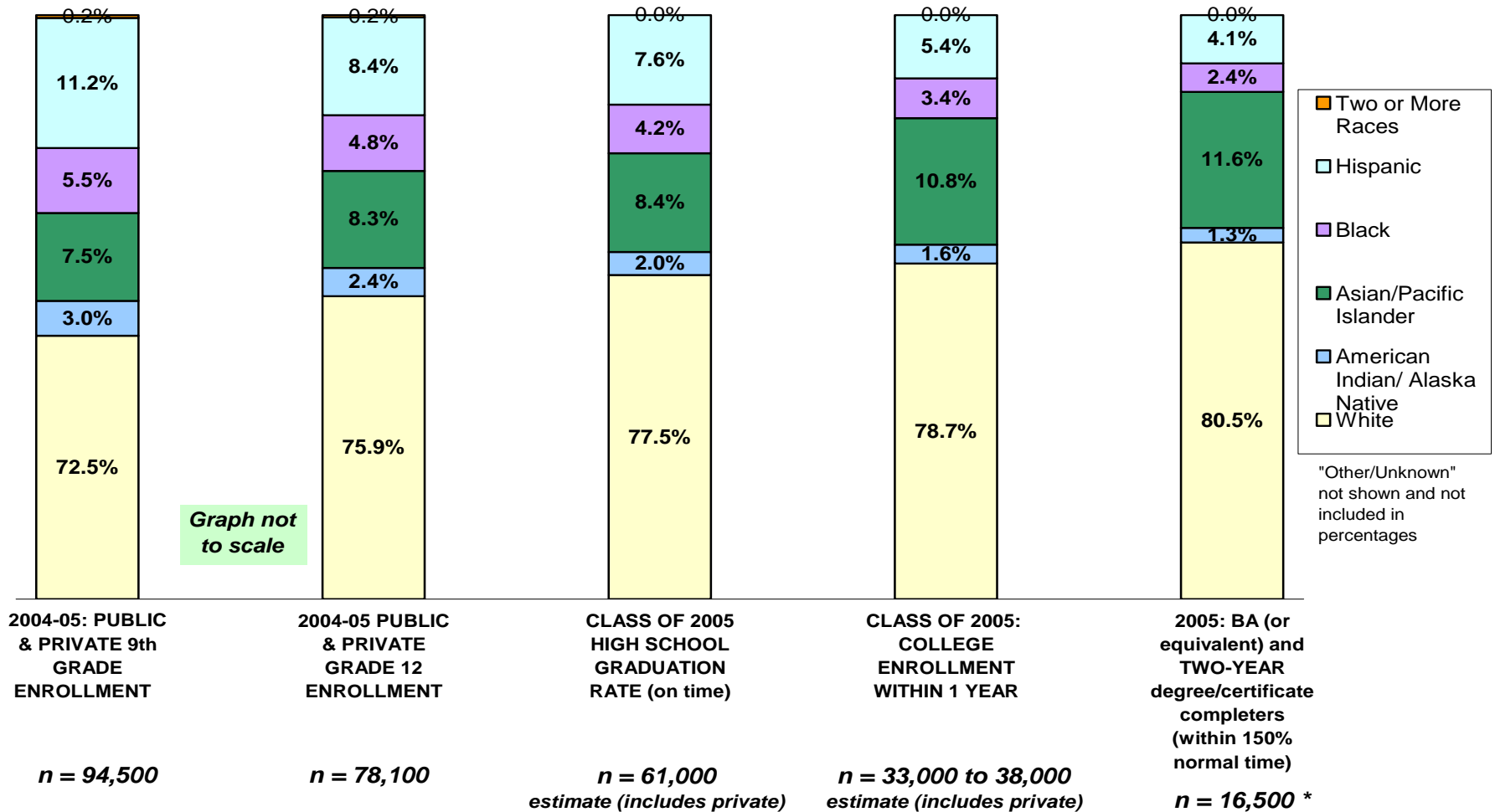
Between now and 2030, the K-12 population (age 5 to 17) will become increasingly diverse. By 2030, minority groups will account for over 35 percent of the state's K-12 age population.



Key
 White = White, Non-Hispanic
 Multiple = Two or More Races, Non-Hispanic
 Hispanic = Hispanic/Latino (can be of any race)
 AIAN = American Indian and Alaska Native, Non-Hispanic
 API = Asian and Pacific Islander, Non-Hispanic
 Black = Black or African American, Non-Hispanic

The Total Number of Students at each Point in the “Pipeline” Decreases, and Minority Students Make Up Decreasing Proportions at Each Point

"Pipeline Perspective" for current point in time:
Percentage of total -- by race/ethnicity for
high school enrollments and graduation, college enrollments and completion

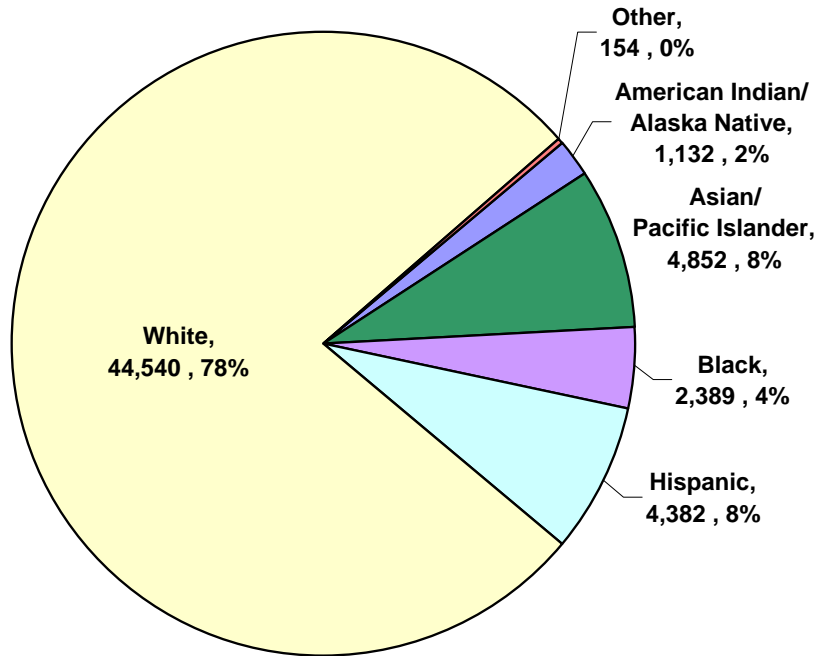


Source: OSPI, K-12 Enrollment and Graduation.
OSPI / SESRC, High School Graduate Follow-Study.
IPEDS, Completions rate

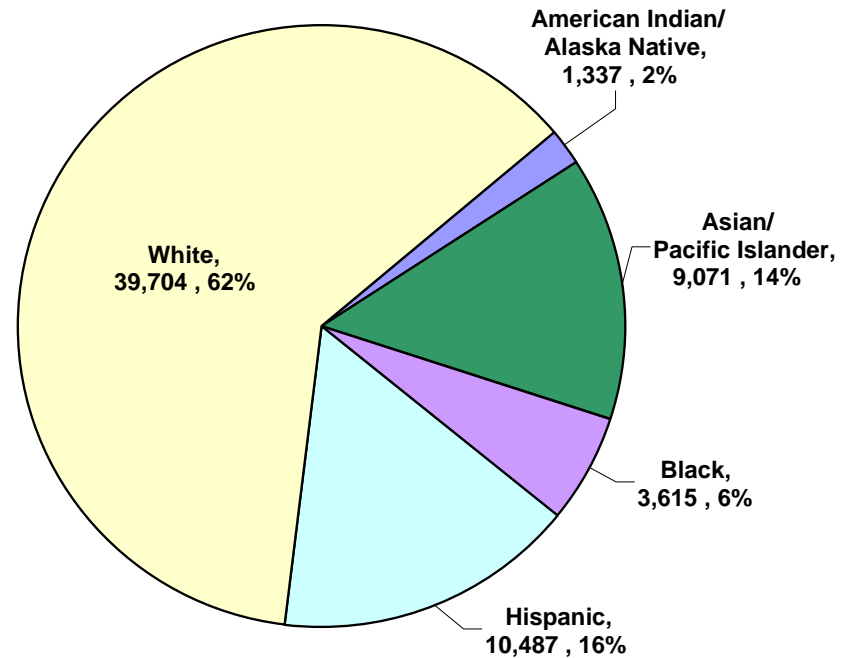
* Completers are those students who entered as first-time full-time degree/certificate seeking undergraduates and completed at the same institution where they began.

Hispanics and African Americans will Increase their Proportion of Public High School Graduates

Class of 2005 Public High School Graduates
Proportion of Graduating Class by Race/Ethnicity
Number of Graduates: 57,500
 Source OSPI



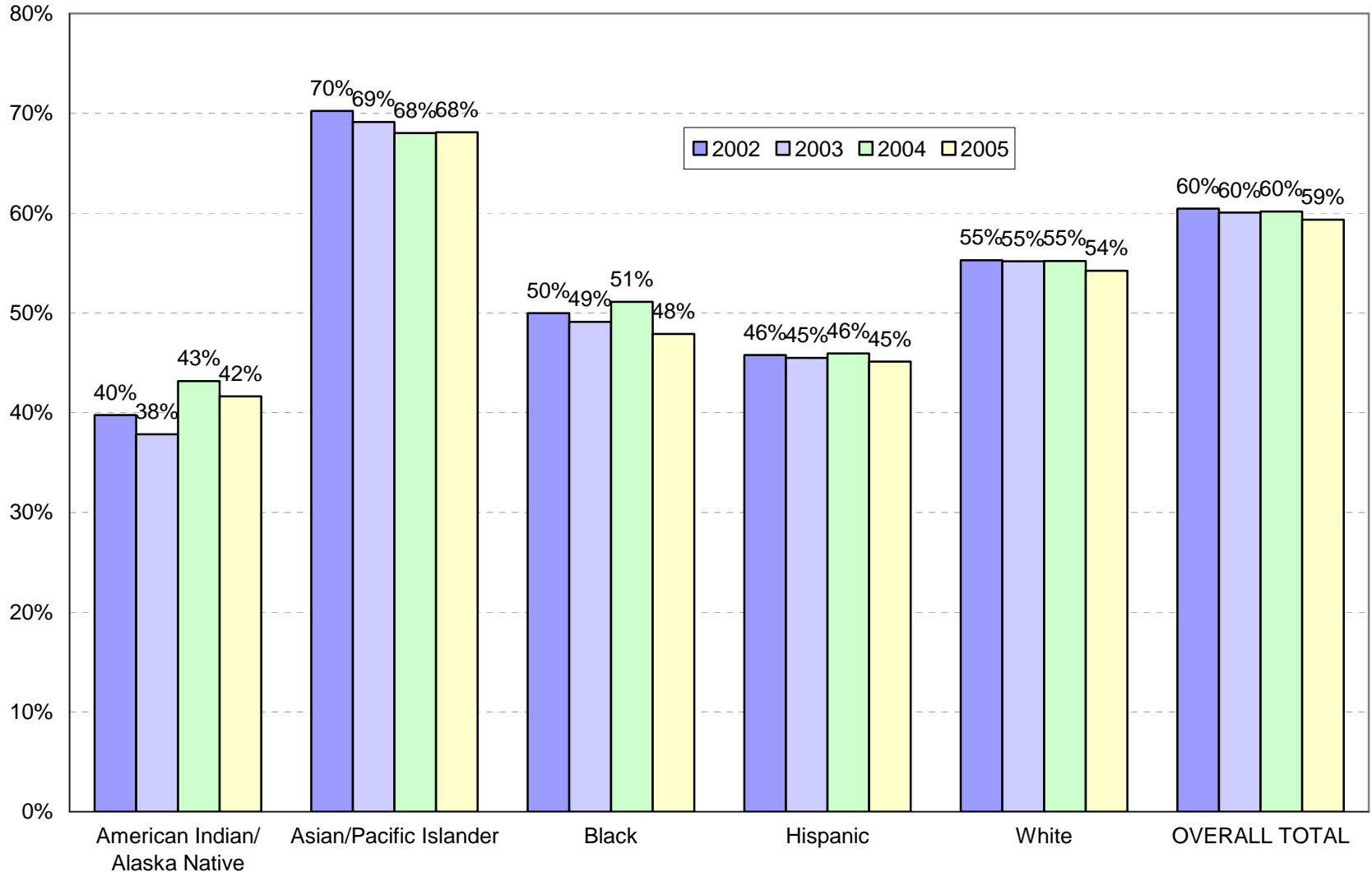
Projections of Public High School Graduates: 2017-18
Proportion in Graduating Class by Race/Ethnicity
Number of Projected Graduates: 64,000
 Source - WICHE



Sources: OSPI, Graduation and Dropout Statistics for 2004-05; WICHE, Knocking at the College Door, December 2003

Continuation Rate Varies for Different Racial/Ethnic Groups

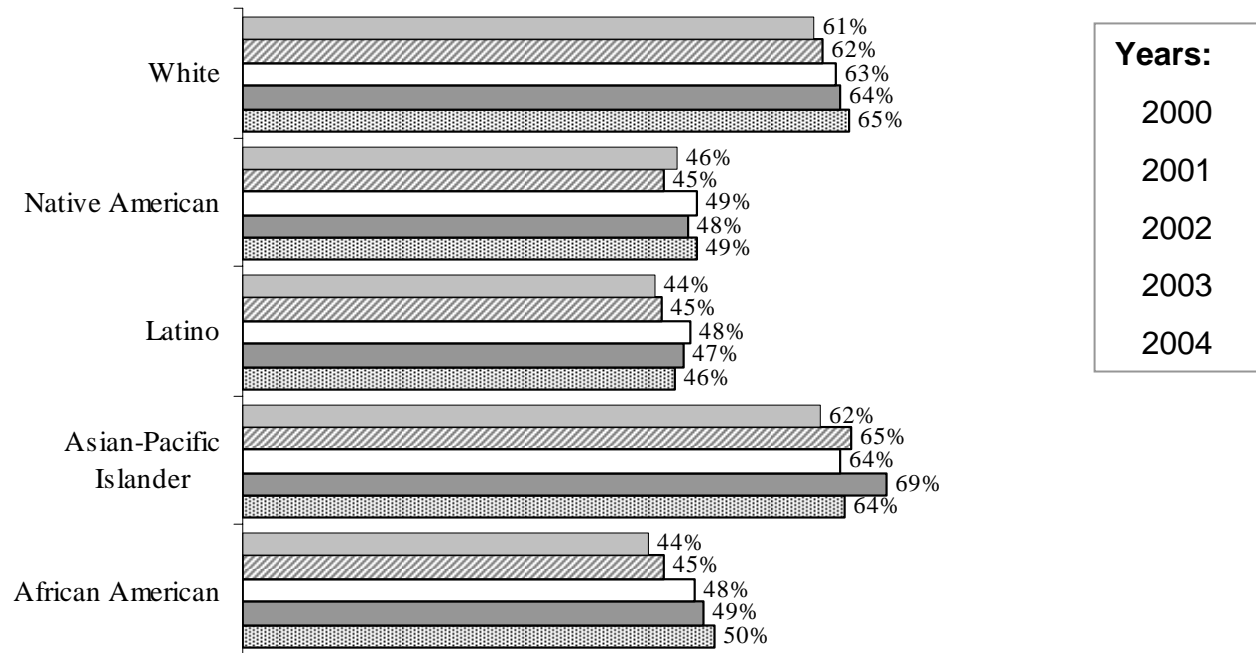
High School to College Continuation Rate: Percent of each race/ethnic group enrolling in college within one year of high school graduation



Source: OSPI (with SESRC of WSU), Washington State Graduate Follow-Up Study.

Community / Technical Colleges: Progress by Race/Ethnicity

Making Substantial Progress



Substantial Progress:
Full-time students with degree plans graduating or attending four or more quarters over the two year period.

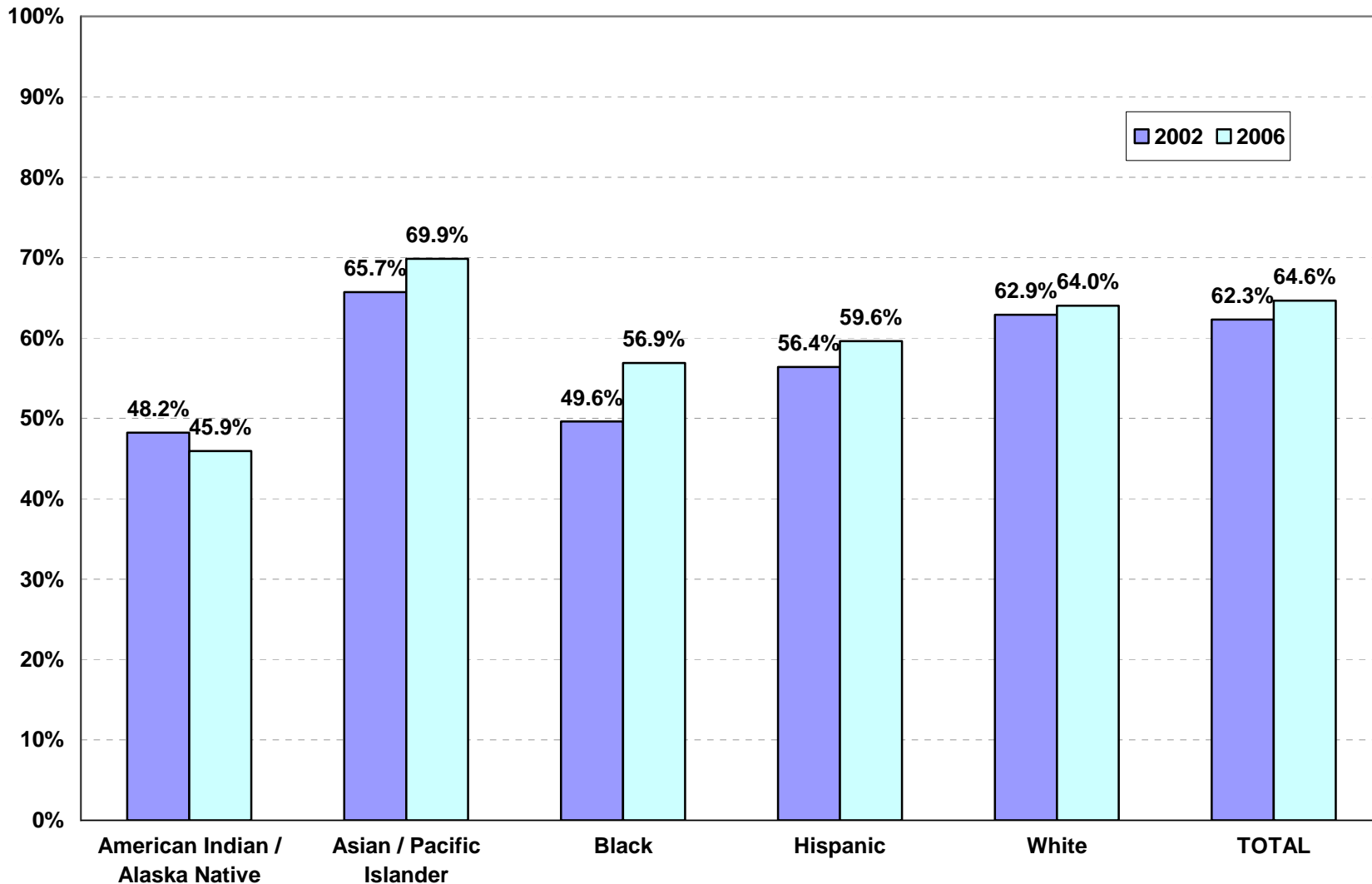
Source: SBCTC, 2004-05 Academic Year Report,

College Graduation Rates also Vary by Racial/Ethnic Category

Public Four-Year Graduation Rates:

2002 and 2006

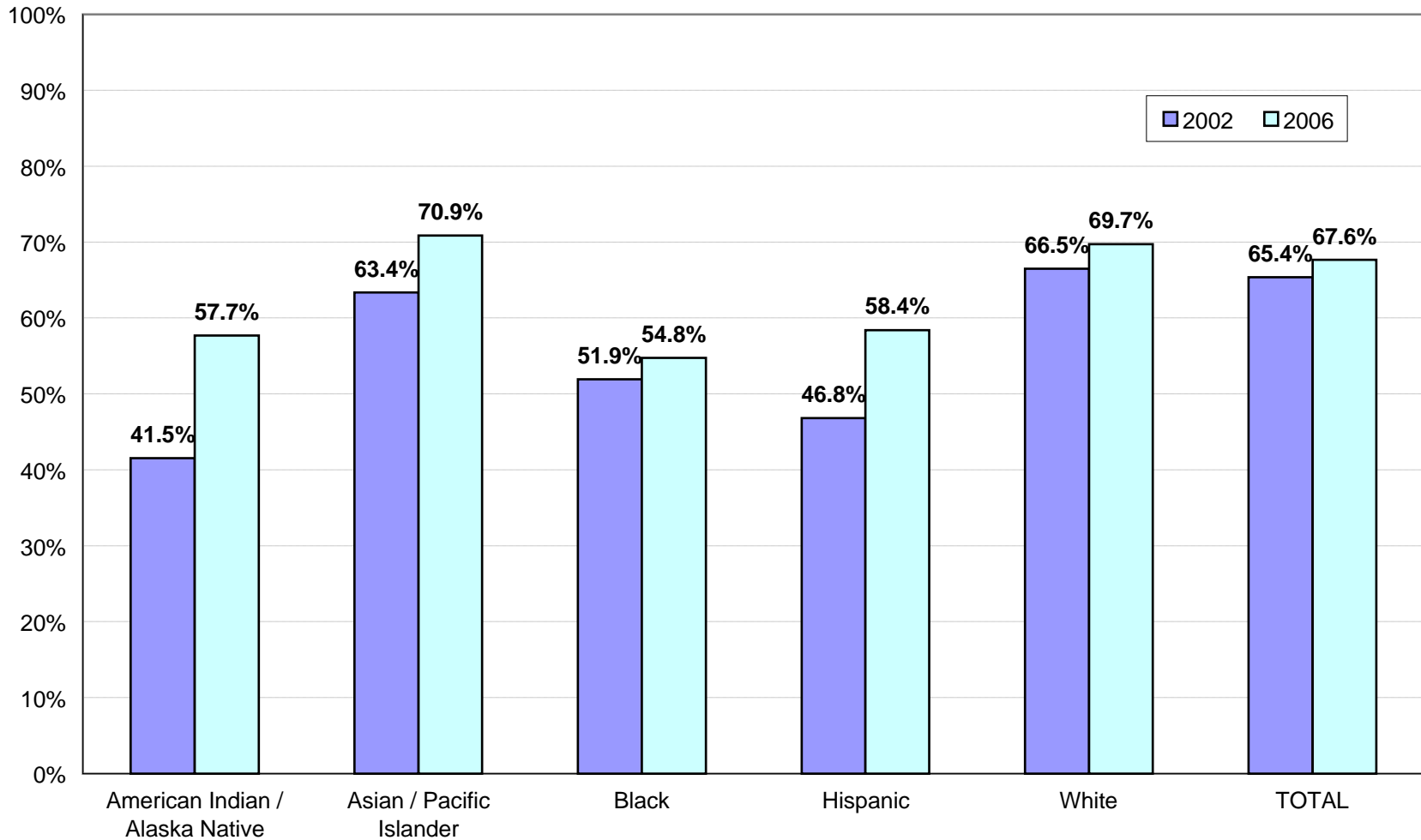
(Completion within 150% normal time for BA or equivalent)



Source: IPEDS (federal survey). Reflects full-time first-time degree/certificate seeking undergraduates who completed within 150% of normal program length – at the same institution where they first enrolled.

Private Four-Year Graduation Rates: 2002 and 2006

(Completion within 150% normal time for BA or equivalent)



Source: IPEDS (federal survey). Reflects full-time first-time degree/certificate seeking undergraduates who completed within 150% of normal program length – at the same institution where they first enrolled.

Beyond the Pipeline:

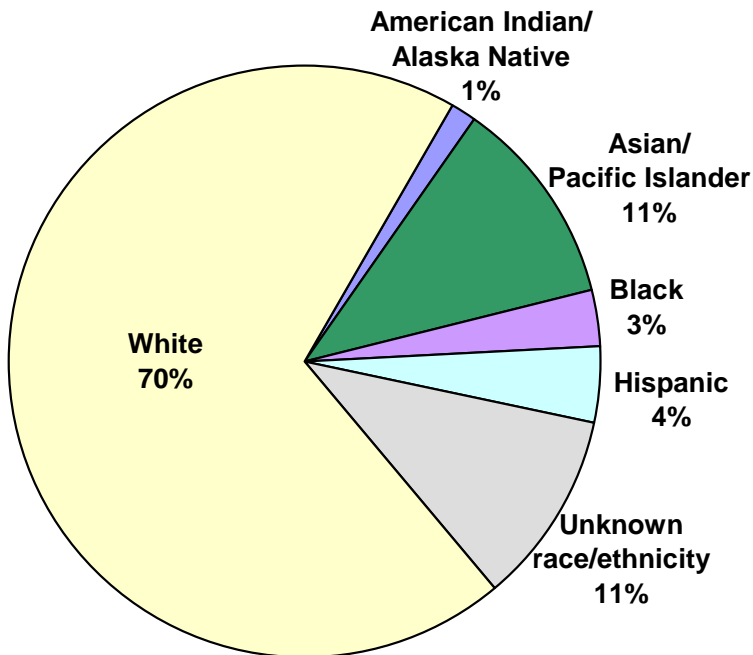
**Degrees, certificates,
diplomas awarded each year**

**Over 45,000 Bachelors and Associate Degrees Awarded Each year,
The Proportion of Degrees Awarded by Race/Ethnic Categories
Varies Between Sector**

Total Degrees: 2005-06

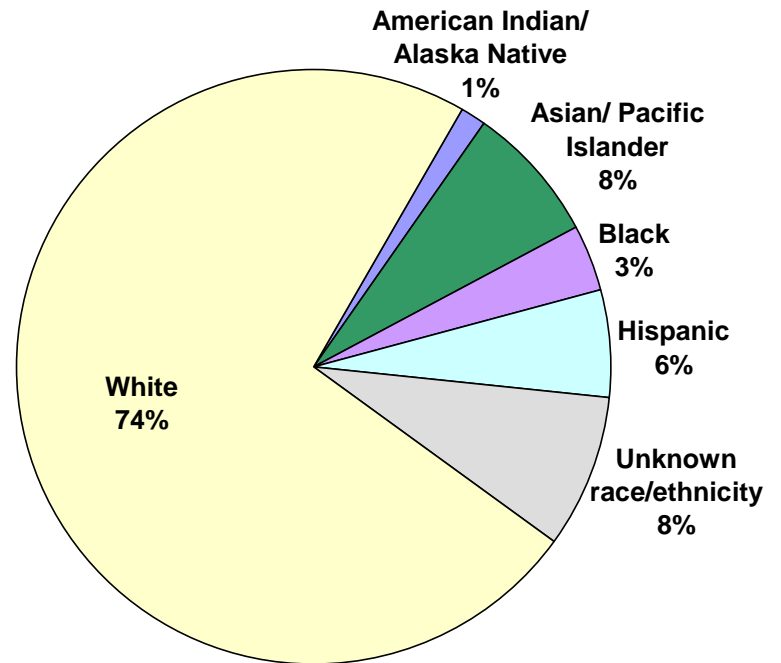
Bachelors Degrees: Public and Private Four-Year Institutions

**Total degrees awarded in 2005-06:
27,700**



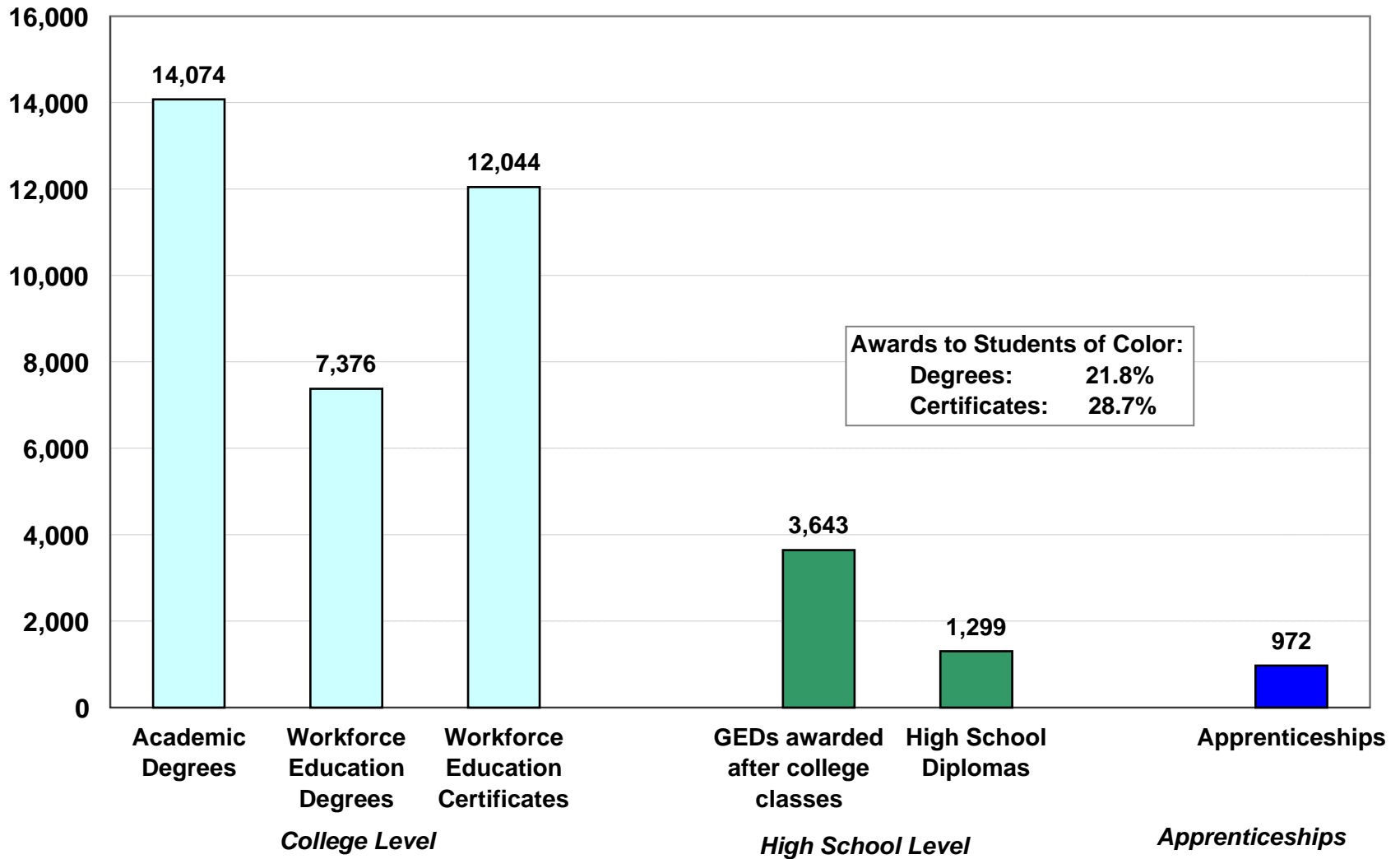
Associate Degrees: Awarded by Public Two-Year and Private Institutions

**Total degrees awarded in 2005-06:
20,900**



Source: IPEDS (federal survey)

A Closer Look at Completions at Community/Technical Colleges 2005-06 Completions

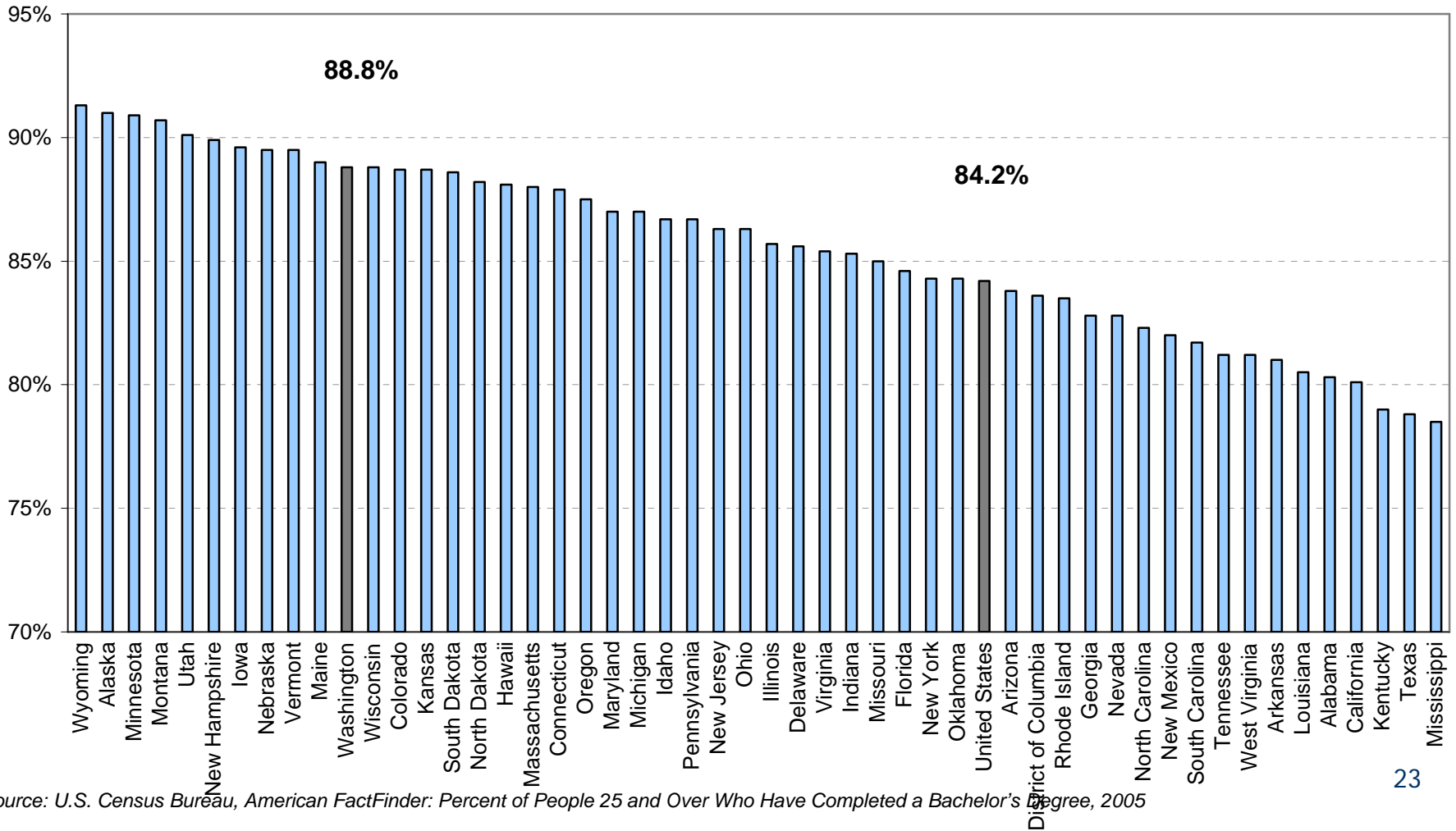


Source: SBCTC, Academic Year Report 2005-06

Education Attainment of Washington's Population, Compared to Degree Production in Washington

Washington Has a Higher Level of High School Completion when Compared to Other States

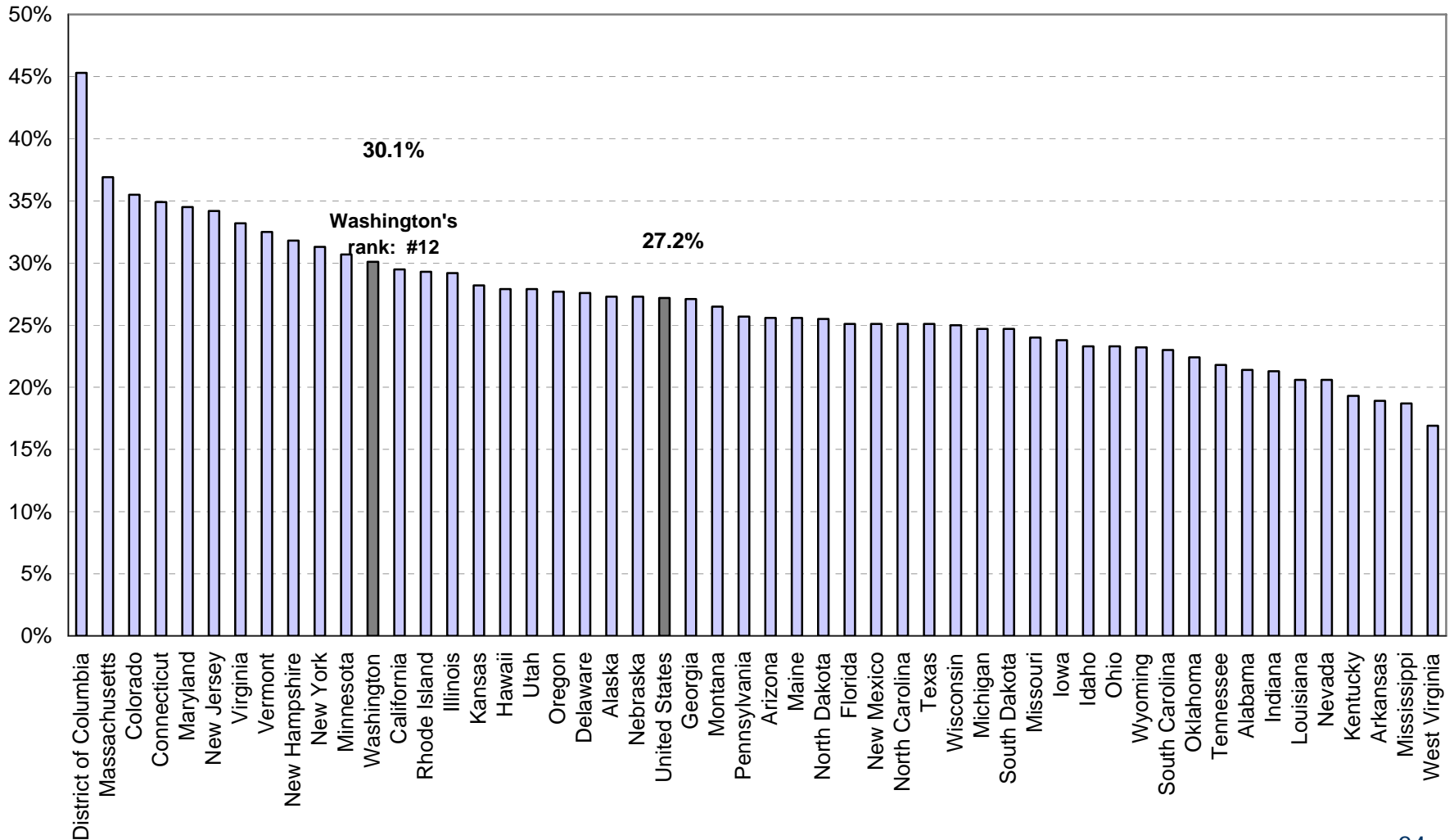
Percent of Population, age 25 and over,
with High School Completion: 2005
(includes equivalency)



Source: U.S. Census Bureau, American FactFinder: Percent of People 25 and Over Who Have Completed a Bachelor's Degree, 2005

Washington Ranks Above the National Average in Bachelor's Degree Attainment

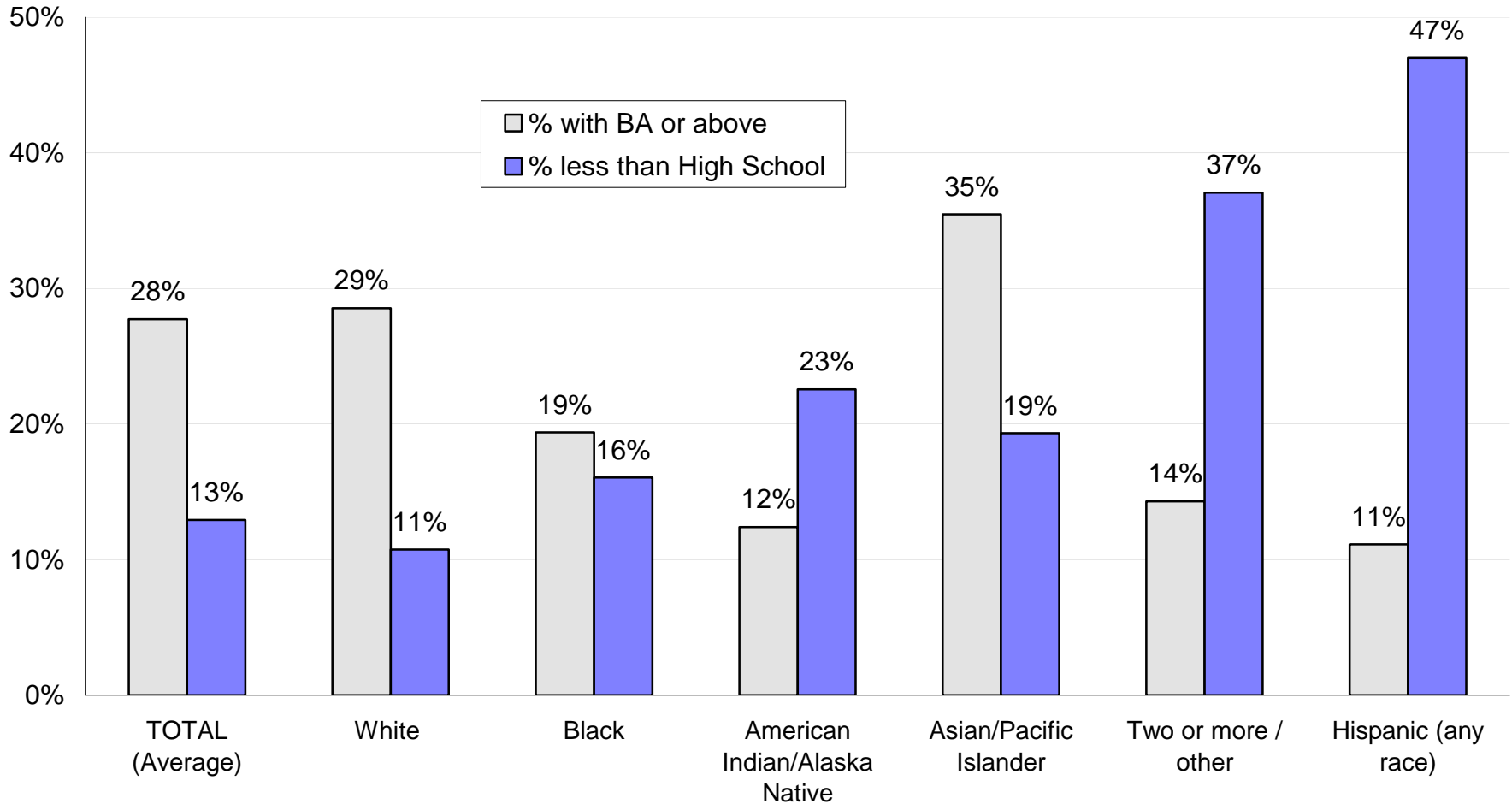
Percent of Population, Age 25 and over,
with Bachelors Degree: 2005



Source: U.S. Census Bureau, American FactFinder: Percent of People 25 and Over Who Have Completed High School (Includes Equivalency), 2005

Too Few Students Finish High School and Complete Degrees

Washington Education Attainment by Race/Ethnicity: 2000
Percent of each population group - age 25 and older -
with BA or above, or less than high school completion

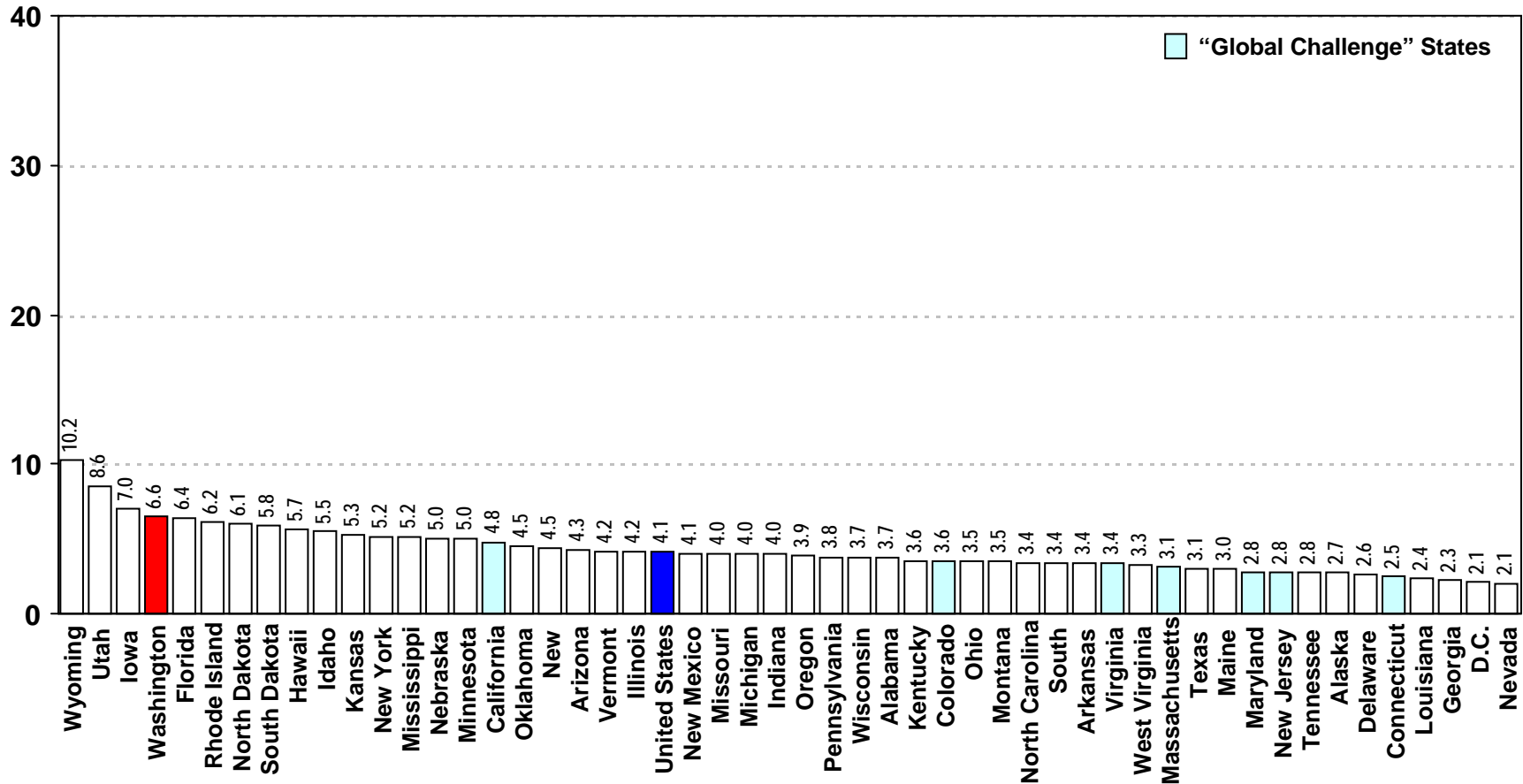


Source: Census 2000 Summary File 3, Education Attainment by Sex and Race/Ethnicity for the Population 25 Years and Over.

Note: Hispanics also counted in race categories

Washington Ranks Near the Top of All States in Awarding Associate Degrees

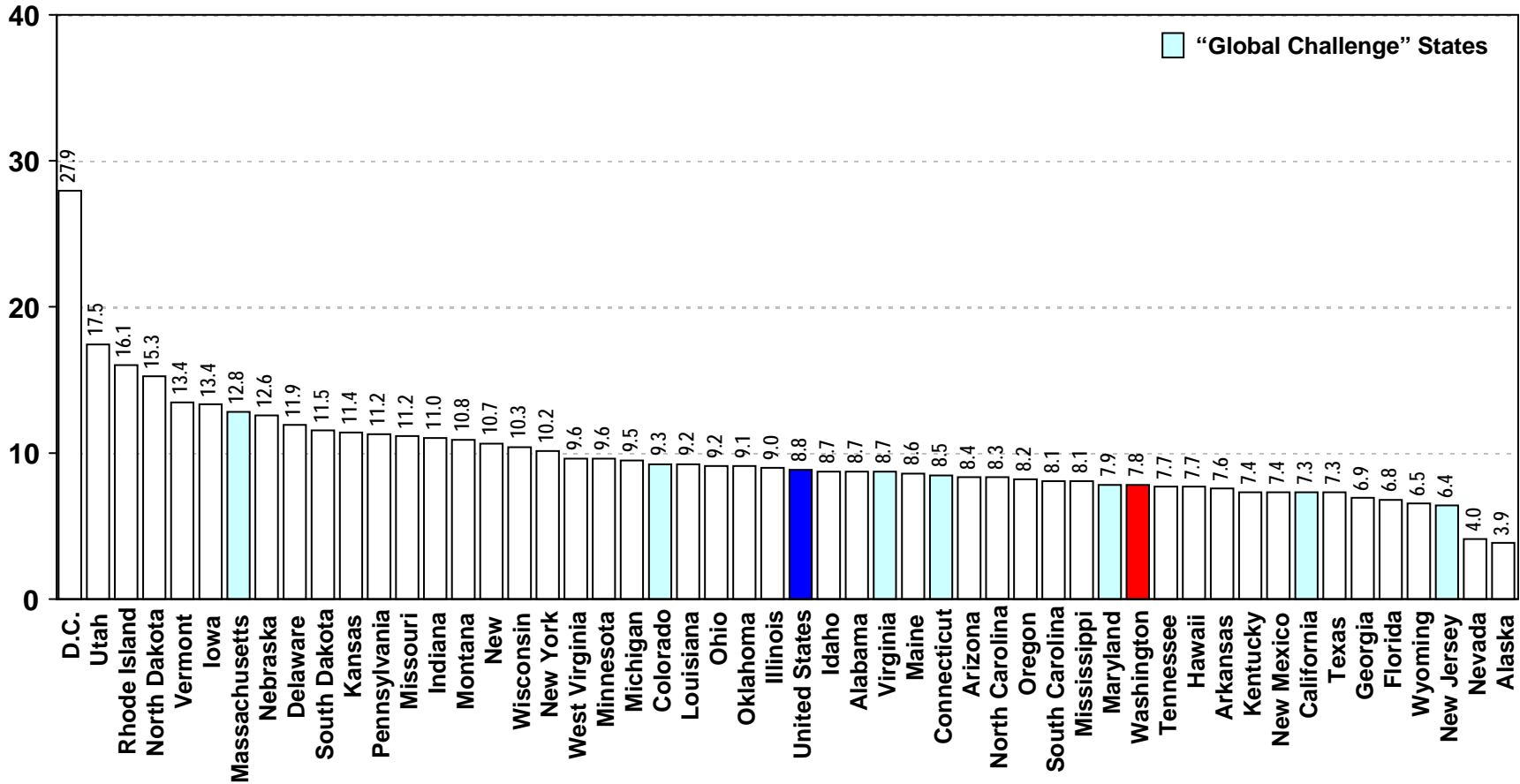
Associate's Degrees Awarded Per 1,000 Population Age 25-64



Source: NCES, *Digest of Education Statistics 2004*, Table 305: Earned degrees conferred by degree-granting institutions, by level of degree and state or jurisdiction. http://nces.ed.gov/programs/digest/d04/tables/dt04_305.asp; U.S. Census Bureau.

Washington Ranks Lower in Awarding Bachelor's Degrees

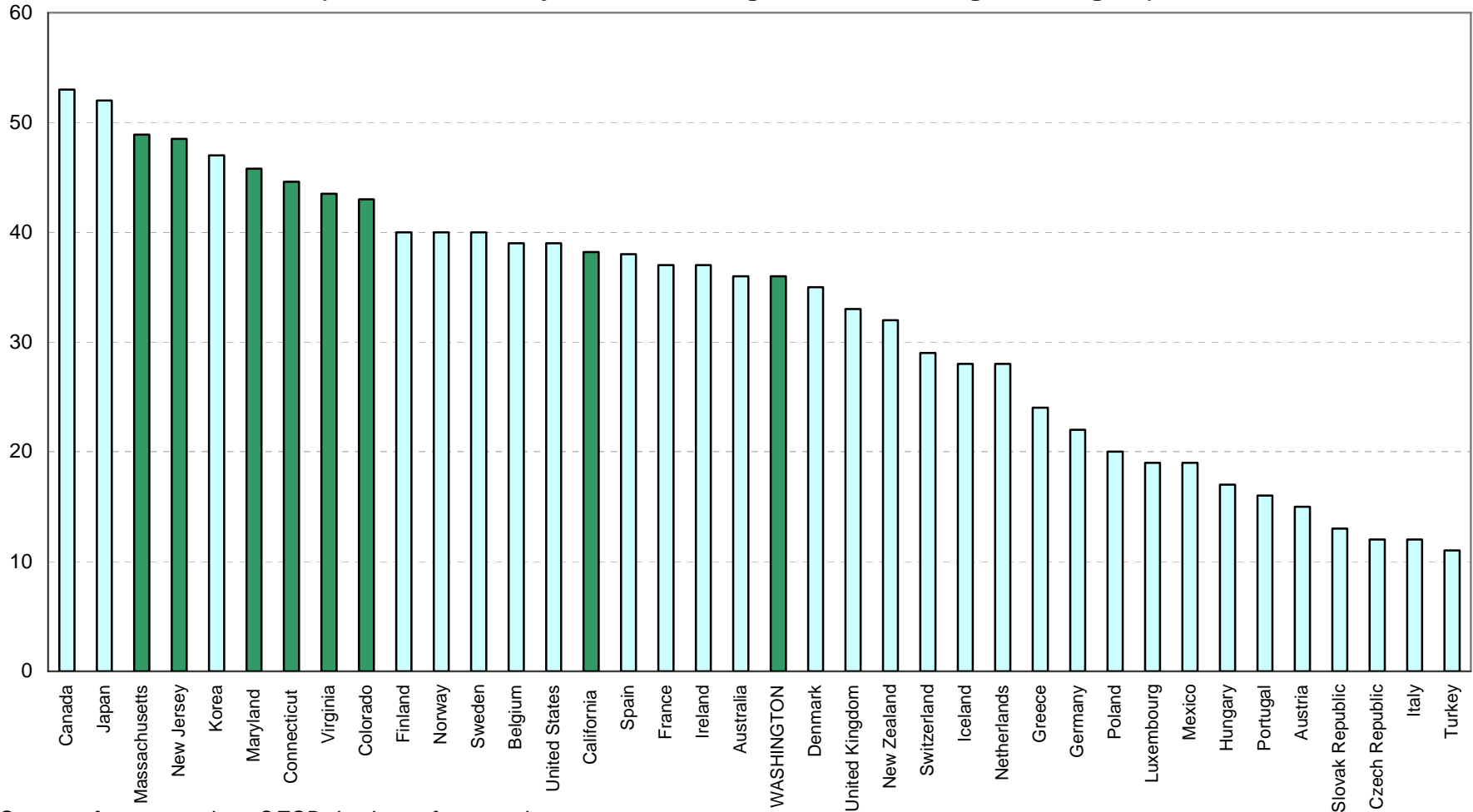
Bachelor's Degrees Awarded Per 1,000 Population Age 25-64



Source: NCES, *Digest of Education Statistics 2004*, Table 305: Earned degrees conferred by degree-granting institutions, by level of degree and state or jurisdiction. http://nces.ed.gov/programs/digest/d04/tables/dt04_305.asp; U.S. Census Bureau.

Washington Ranks Near the Middle in Degree Attainment When Compared with Other Global Challenge States

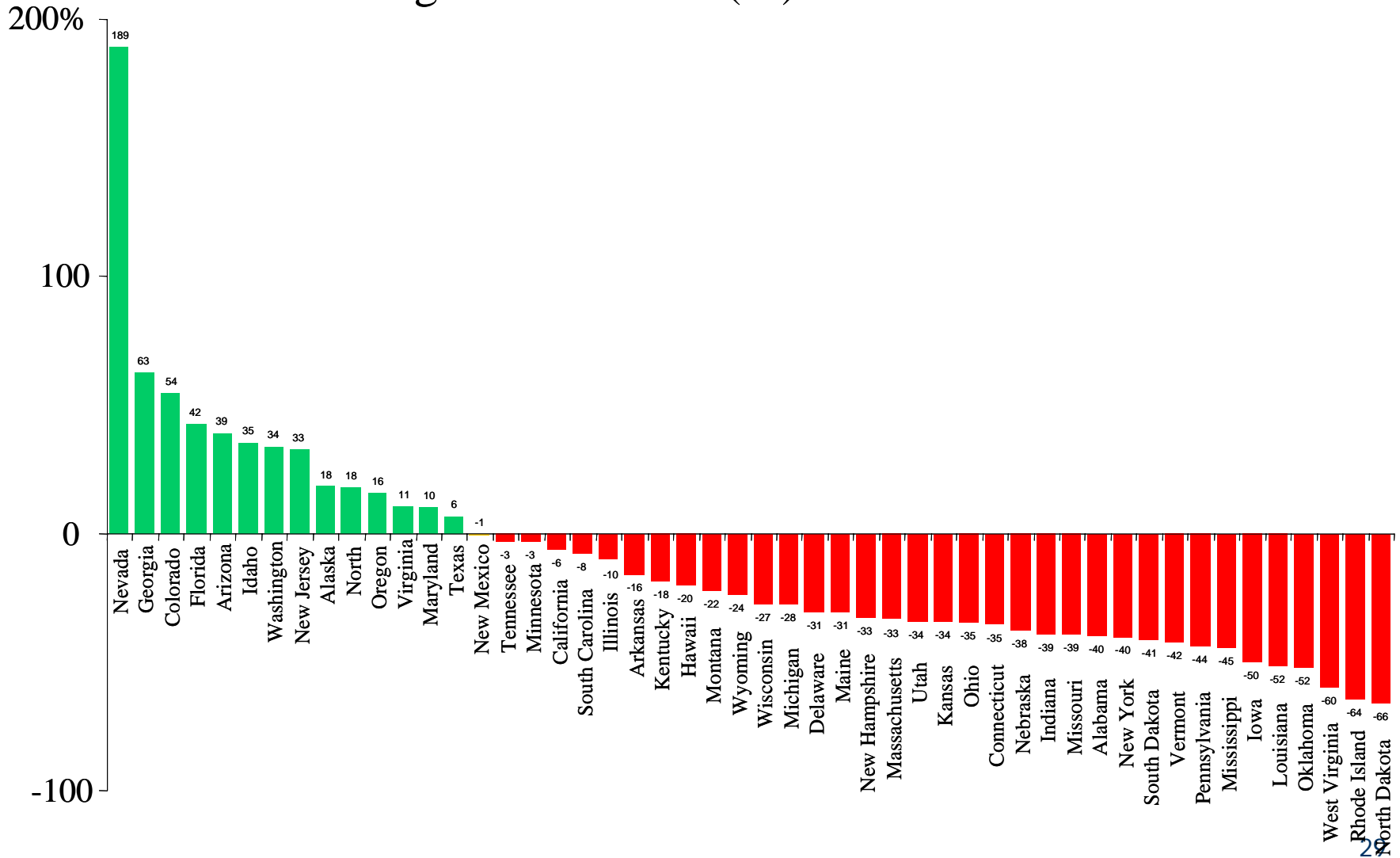
International Perspective:
Degree Attainment Age 25-34
(Percent of 25-34 year olds holding an associate degree or higher)



Sources: for country data, OECD database; for state data, March CPS 2003-2005 (population) and IPEDS enrollment survey fall 2003 (enrollees).

Washington Attracts a High Ratio of Degreed Workers

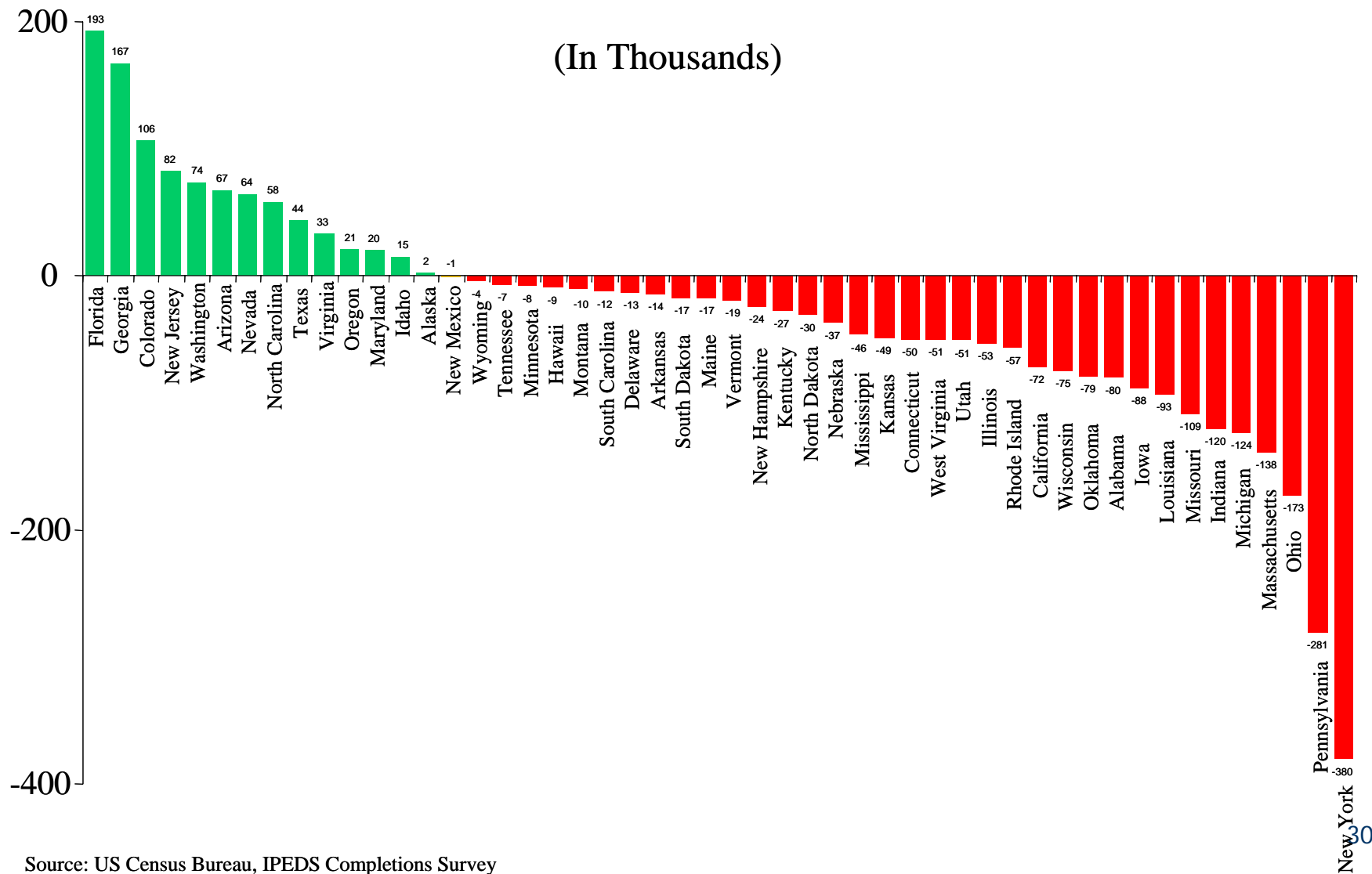
Ratio of Net Migration of Bachelor's Degrees to the Number of Bachelor's Degrees Produced (%) 1990 to 2000



Source: US Census Bureau, IPEDS Completions Survey

Washington Ranks 5th in Net In-Migration of Bachelor's-Qualified Workers

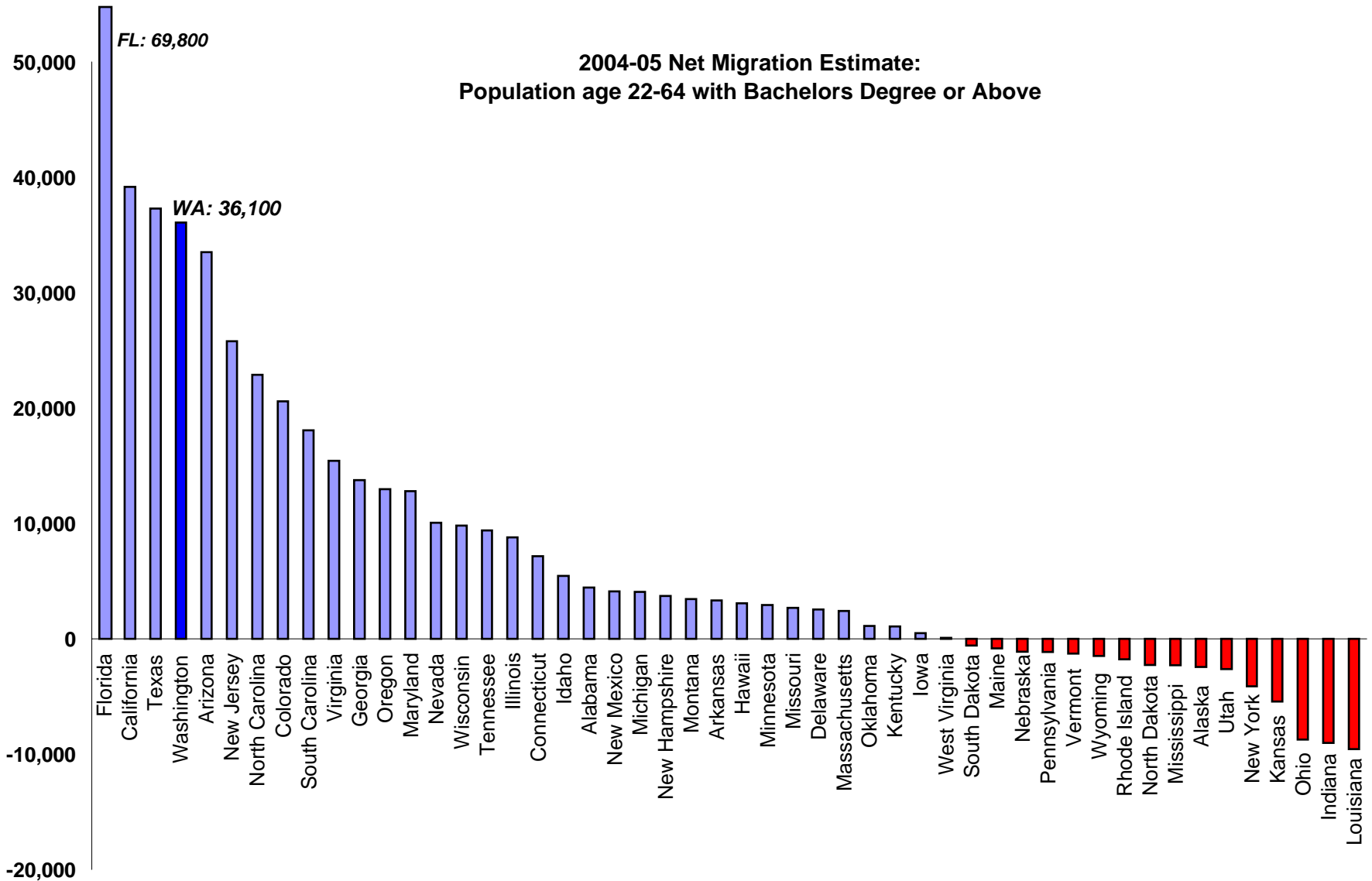
Interstate Migration of Adults with a Bachelor's Degree or Higher Change in the Stock of Adults with a Bachelor's Degree or Higher Minus the Number of Bachelor's Degrees Awarded (1990-2000) – 25-64



Source: US Census Bureau, IPEDS Completions Survey

An Increasing Number of States Are Importing Bachelors-prepared Working Adults

2004-05 Net Migration Estimate:
Population age 22-64 with Bachelors Degree or Above



Source: National Center for Higher Education Management Systems (NCHEMS), data analysis from Census, American Community Survey

WASHINGTON
**HIGHER
EDUCATION**
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**WE HELP
STUDENTS
SUCCEED**