

Florida's Integrated Education Data Systems



*Data Acquisition
and Analysis*

*Data Farming in
Florida*



Florida's Integrated, Longitudinal PK20 Education Data Systems

■ *The "System"*

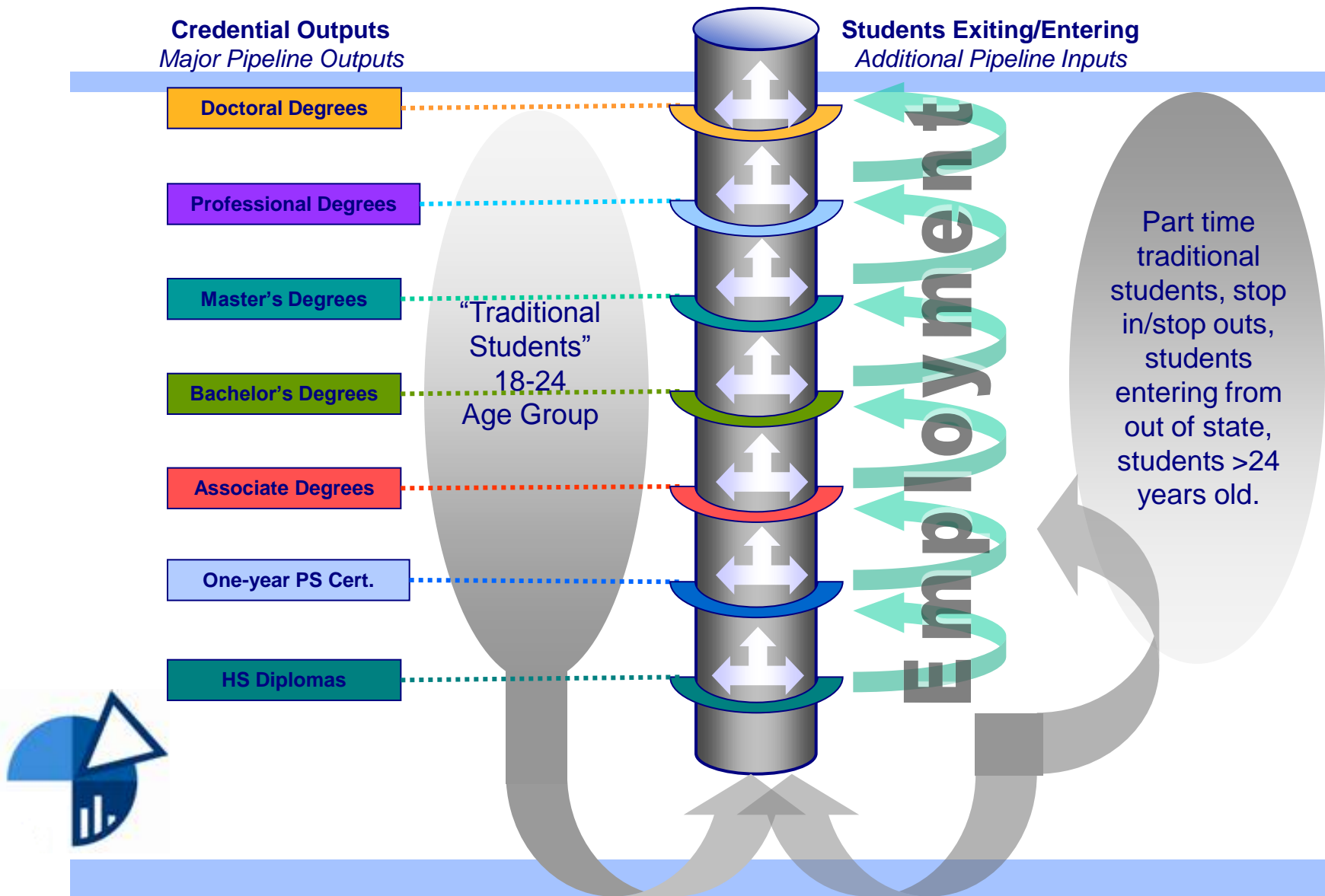
- Public pre-kindergarten through graduate school with student level data for public schools, community colleges, career and technical education, adult education, and the state university system
- Staff, facilities, finance, and financial aid
- Post school employment and non education system program data
- Primary means of support is state general revenue

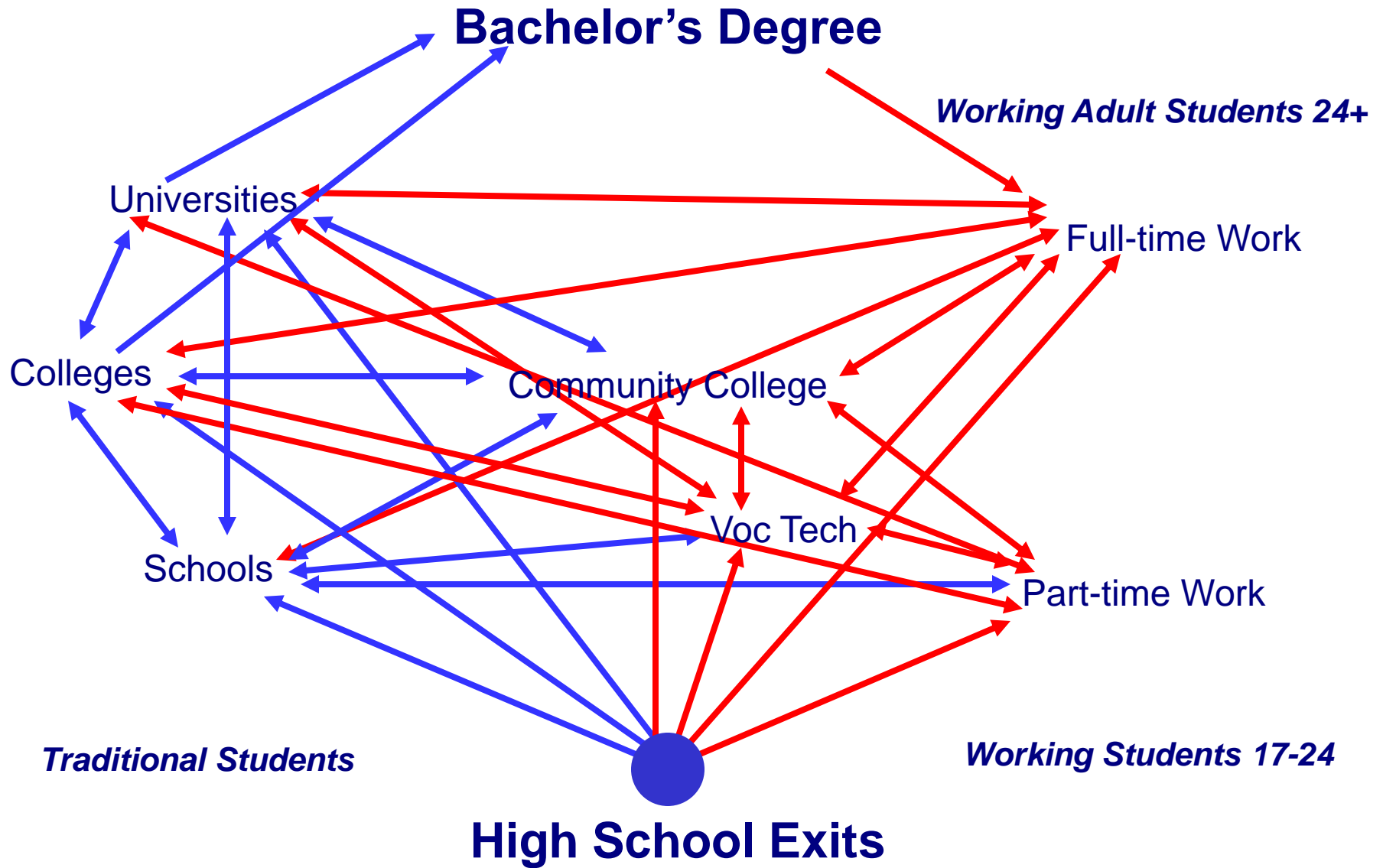
■ *Dependencies*

- State level imperatives, funding
- System of common course numbers and directories
- Statewide articulation agreements and oversight committee
- A state level culture of data management and interagency sharing
- A means to follow the records of individual students across geographic areas, education sectors, and related programmatic areas.
- 67 School Districts, 28 community colleges, 11 state universities
- Very open public records laws

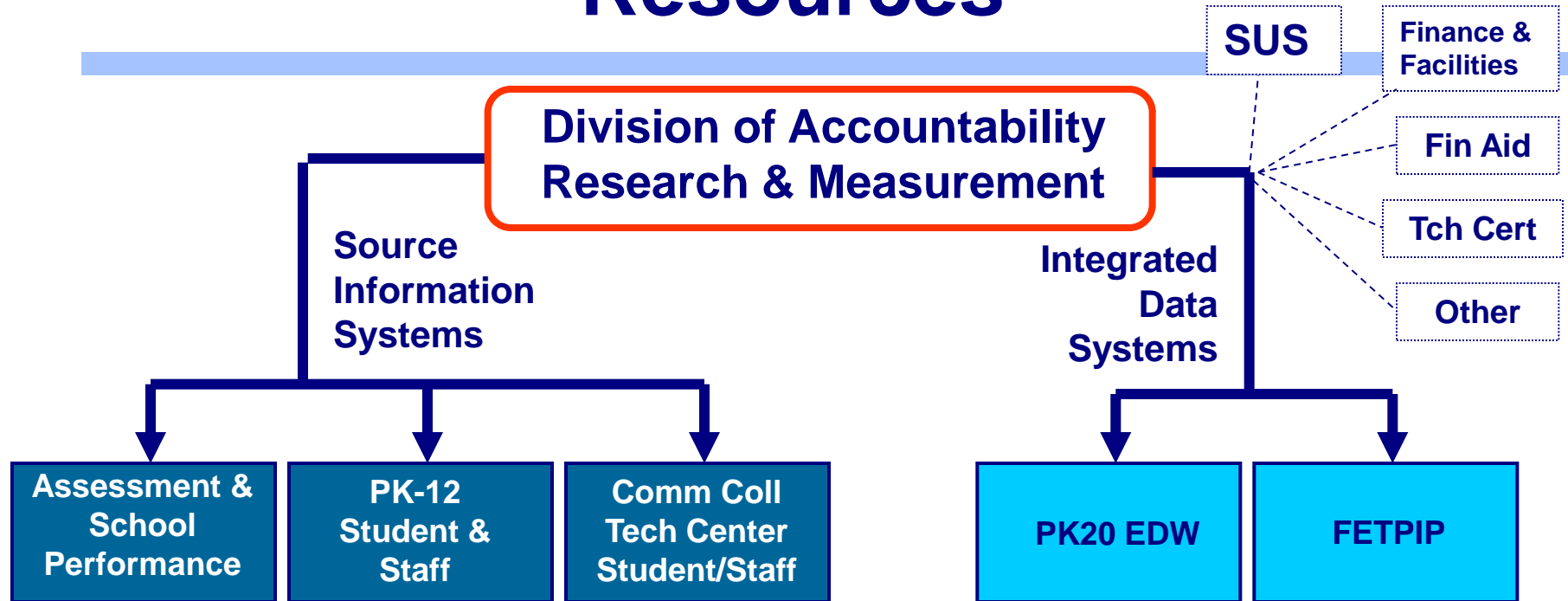


The PK-20 Pipeline Model





Florida's Primary K-20 Data Resources

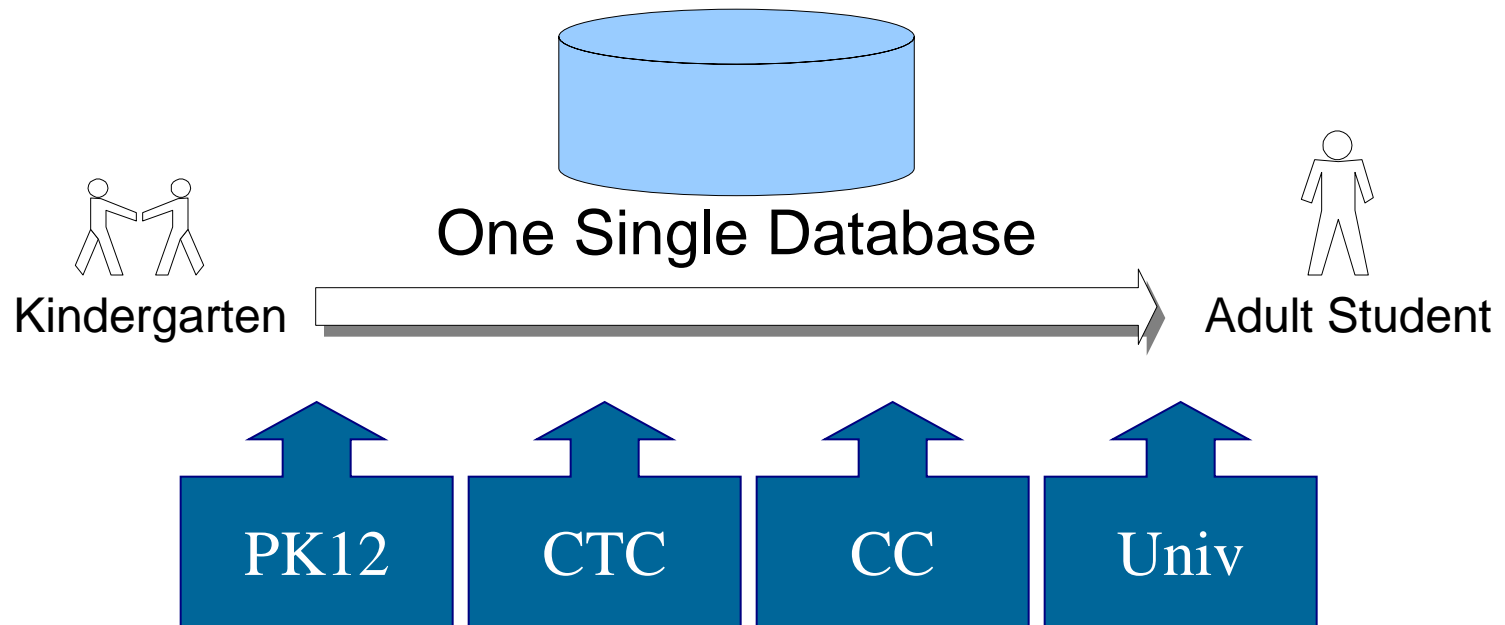


Data collected from testing vendors, school districts, community colleges

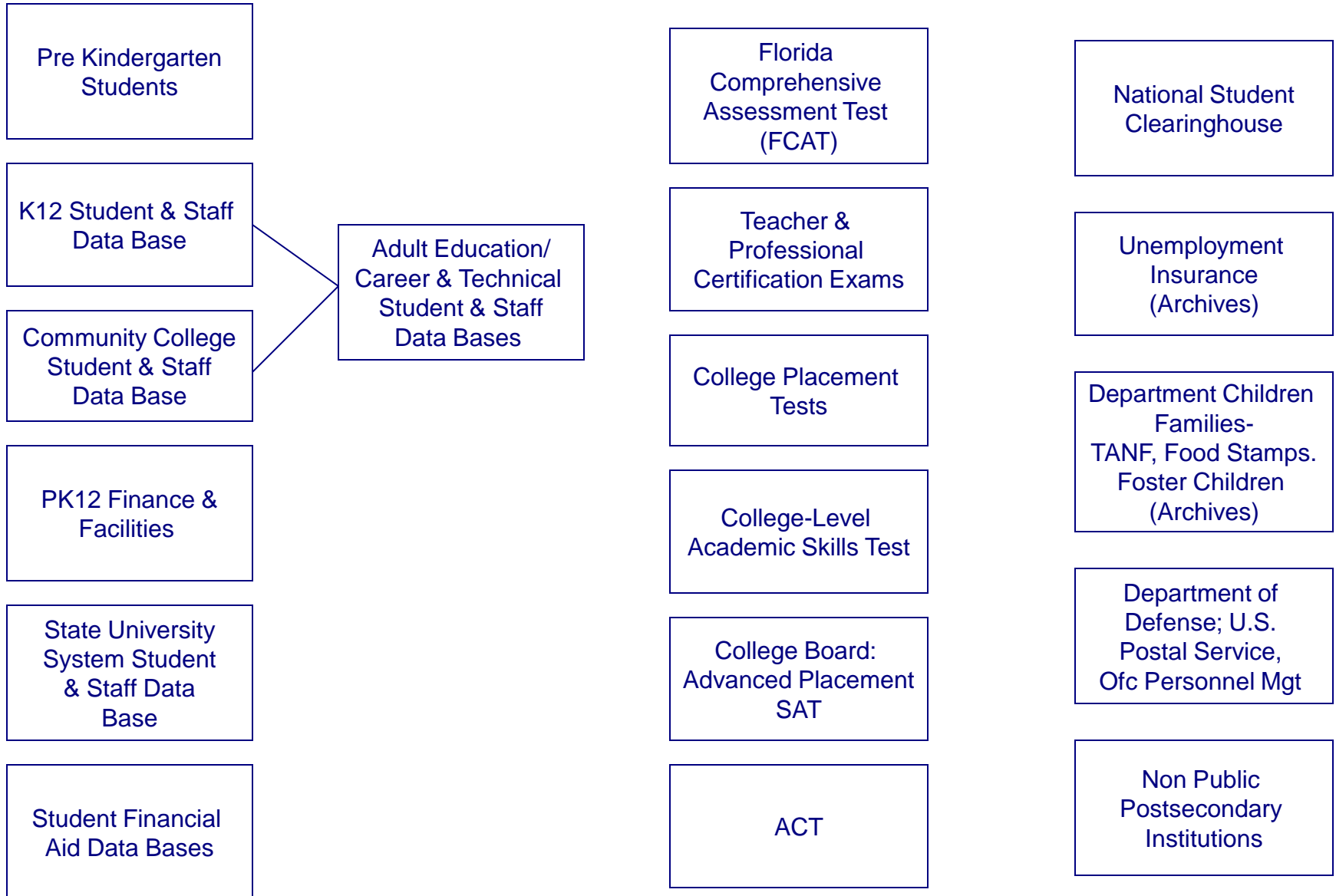
Data collected from source systems, agency administrative data bases



Longitudinal Information



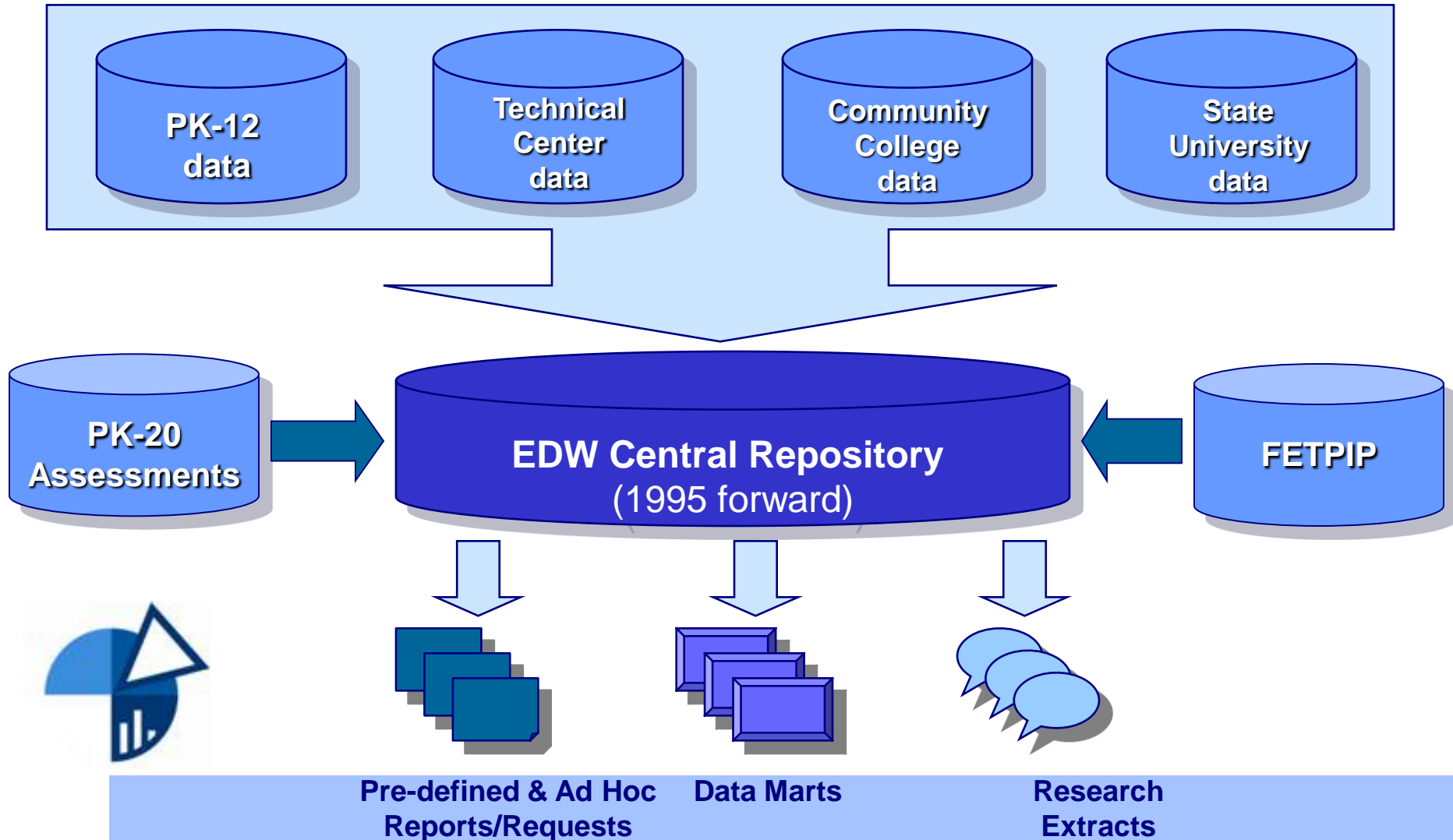
Primary K-20 Data Resources



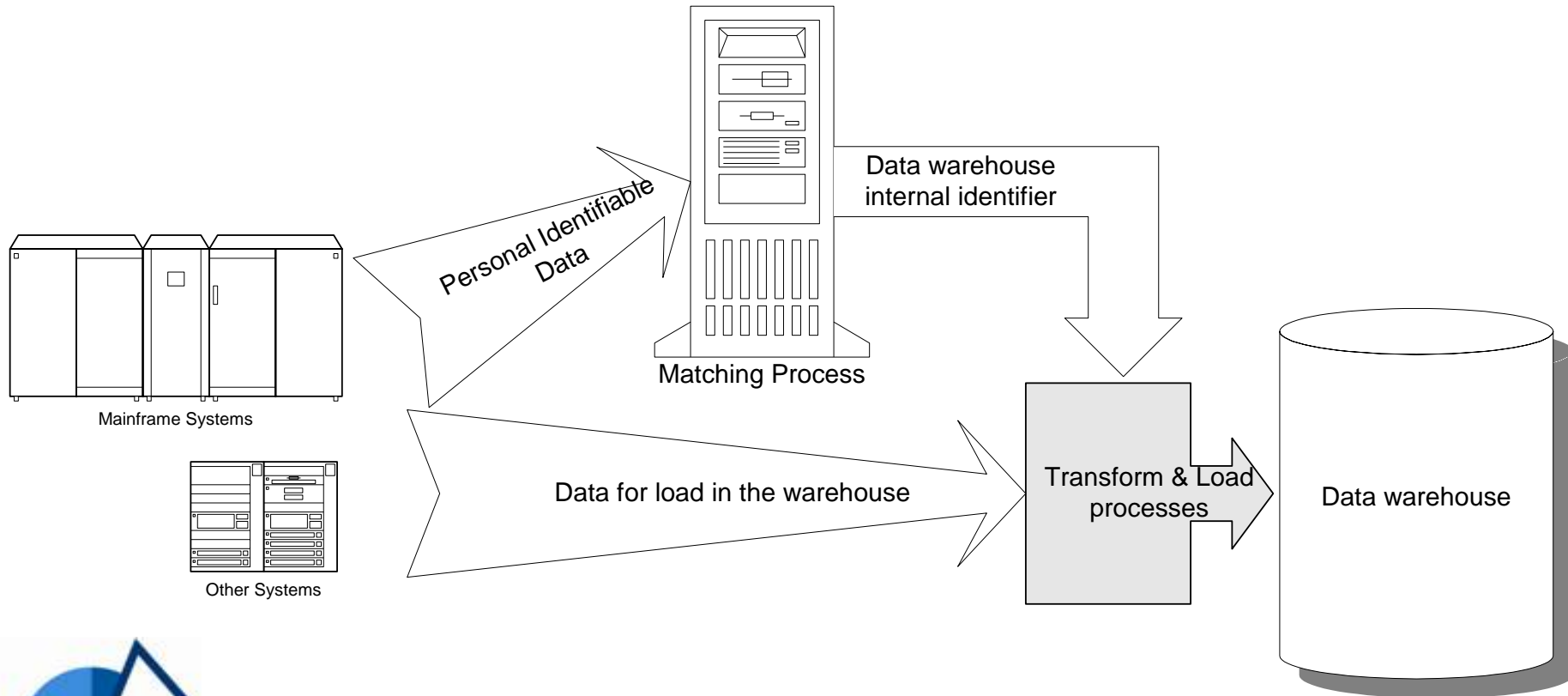
Types of Data in Florida's PK-20 Education Data Warehouse

- **Student - demographic, enrollment, educational programs, promotion, attendance, test scores, other characteristics**
- **Educational Institution - types, location, facilities, graduation rates**
- **Financial Aid - state/local, loans/grants, disbursement**
- **Courses - offerings, student and teacher participation, instruction type**
- **Educational Awards - type, program, institution**
- **Educational Finance - budget, expenditures**

Florida's PK20 Education Data Warehouse



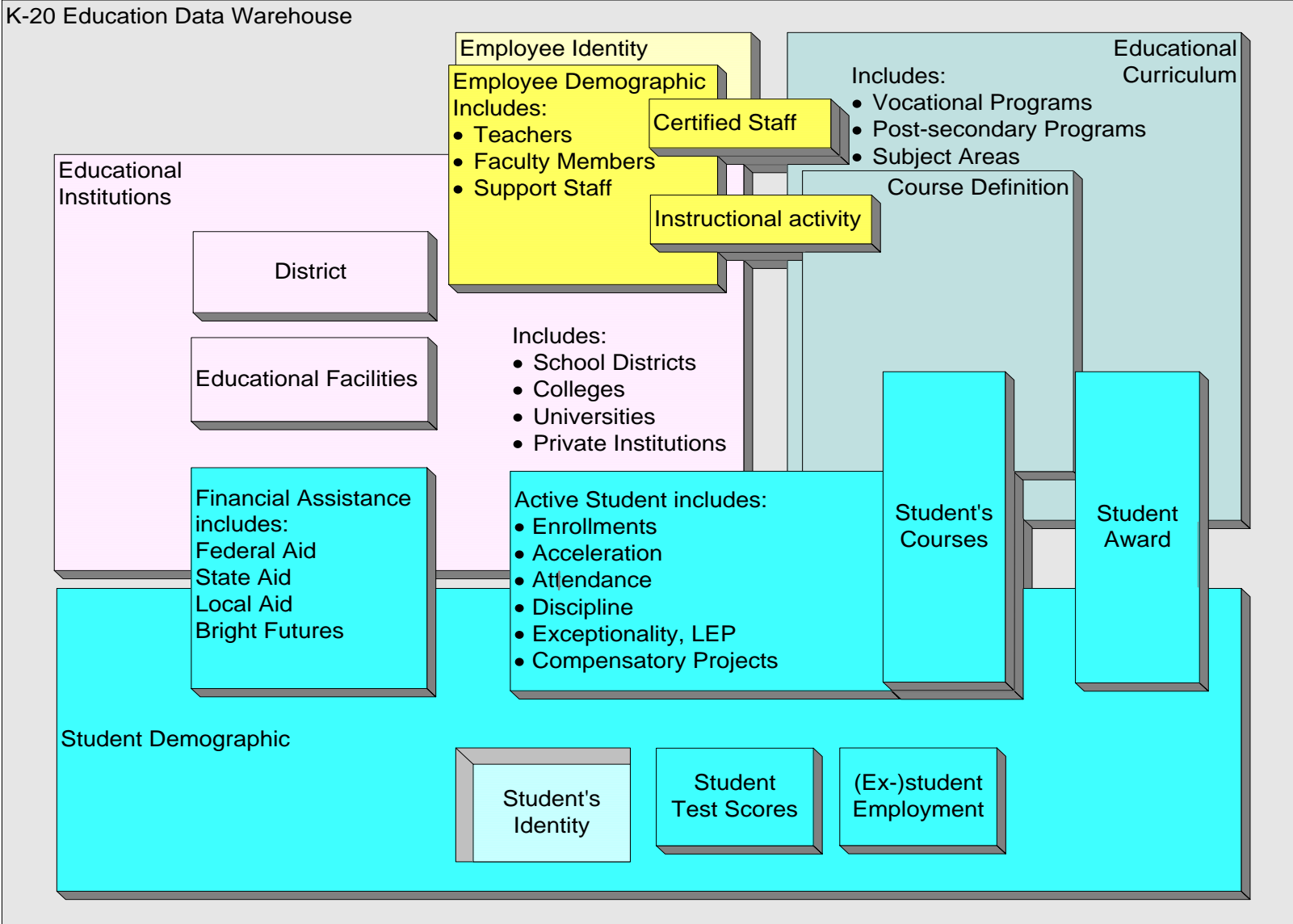
Matching Individuals in Florida's Education Data Warehouse: Sophisticating the Matches, Anonymizing Data



Data Integration



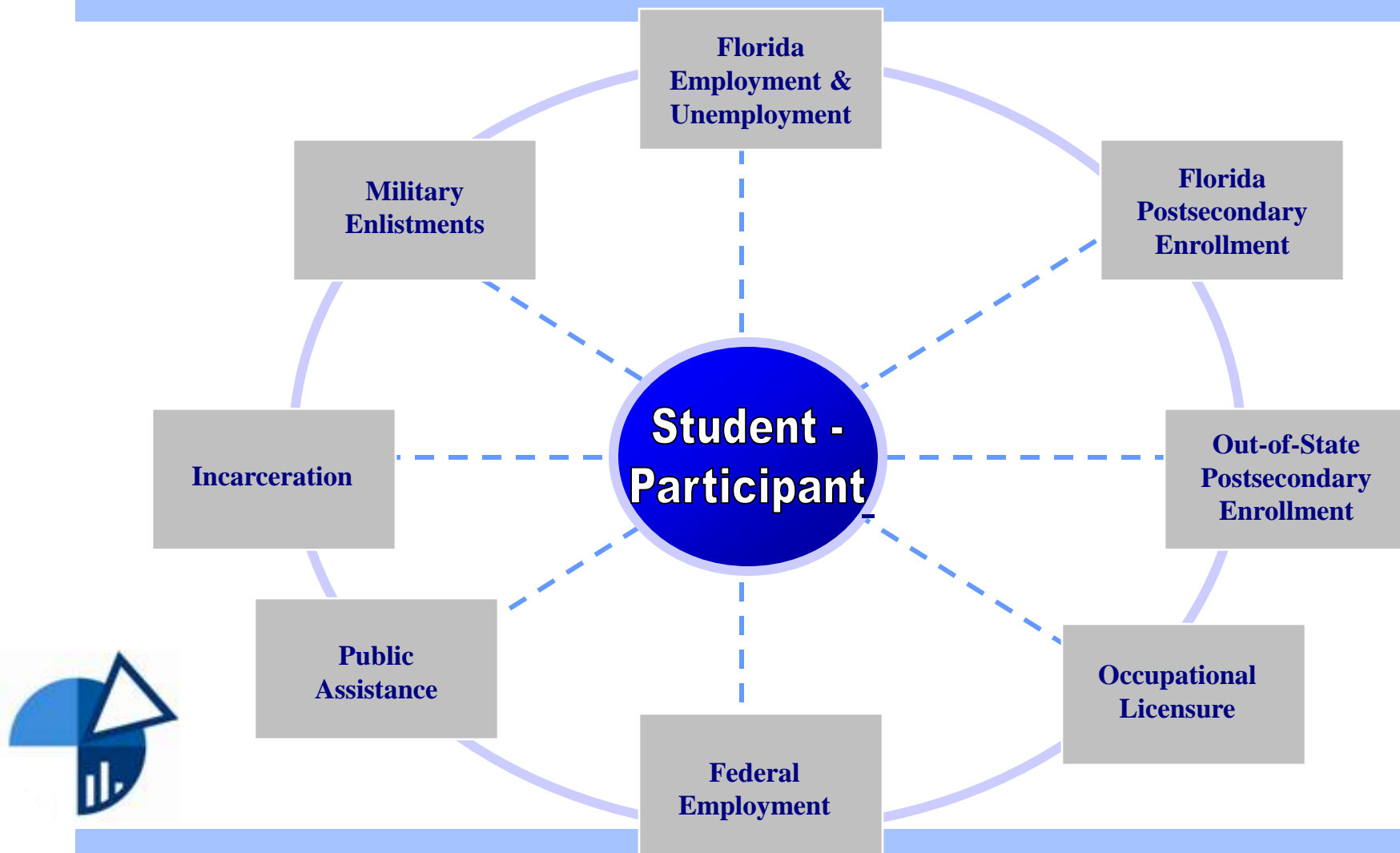
- Subjects
- Student
 - Student confidential data outside the data warehouse
 - Educational Institutions
 - Educational Staff
 - Staff confidential data outside the data warehouse
 - Educational Curriculum



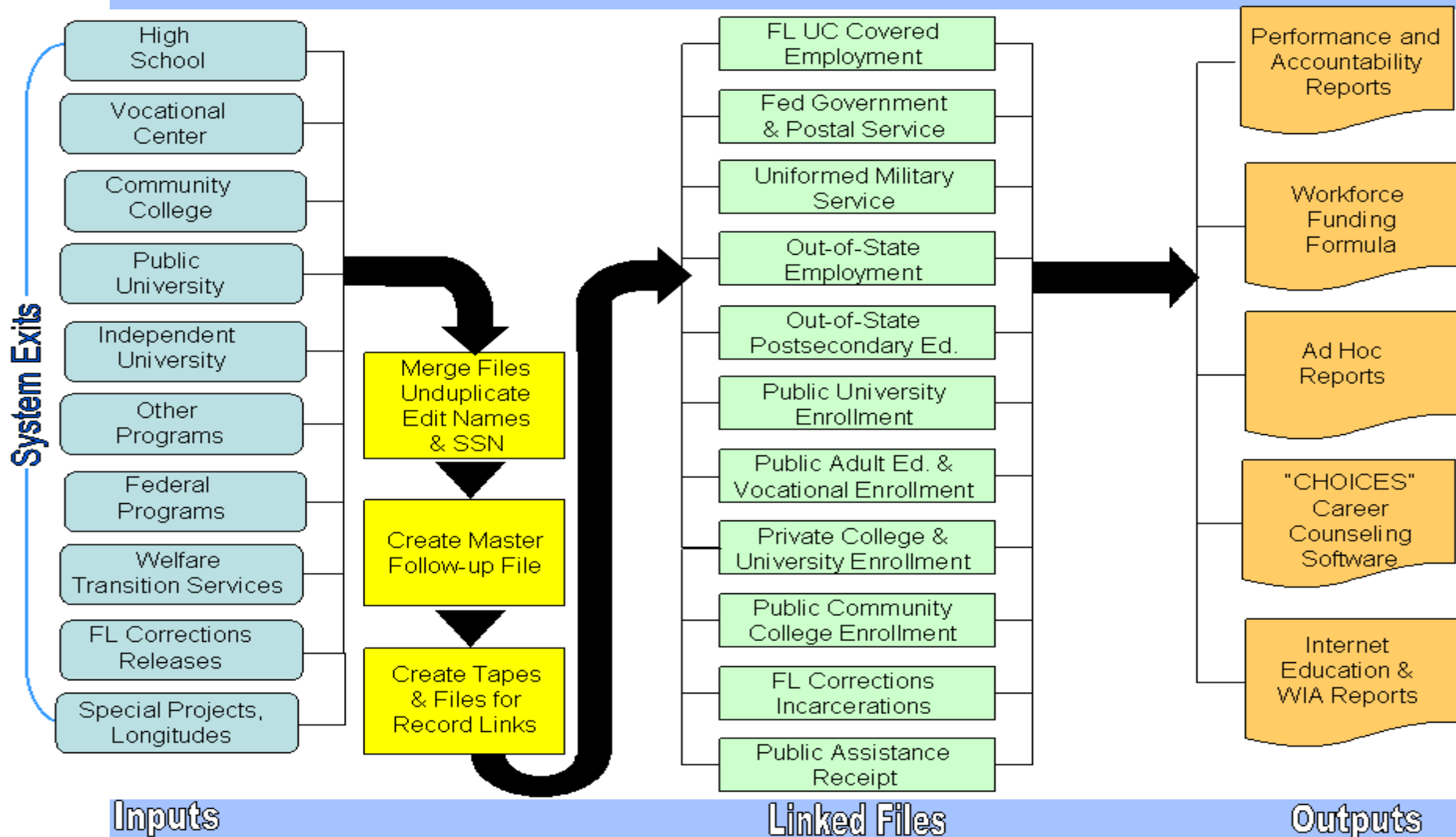
Florida Education and Training Placement Information Program – FETPIP

- Integrated interagency data collection & reporting system for many state agencies administered by the Department of Education
- Integrates many administrative data resources of state and federal agencies
- Operates on the principal of “quid pro quo”
- Developed to follow-up all participants and students from Florida’s education and training programs at all levels
- Helps to answer the question: What happens to students after they leave programs?

FETPIP: Examples of Data Describing Student Outcomes



Florida Education and Training Placement Information Program



Cooperating Agencies

Federal Agencies:

- ▶ Postal Service
- ▶ Dept. of Defense
- ▶ Office of Personnel Management
- ▶ U.S. Census

Other Organizations:

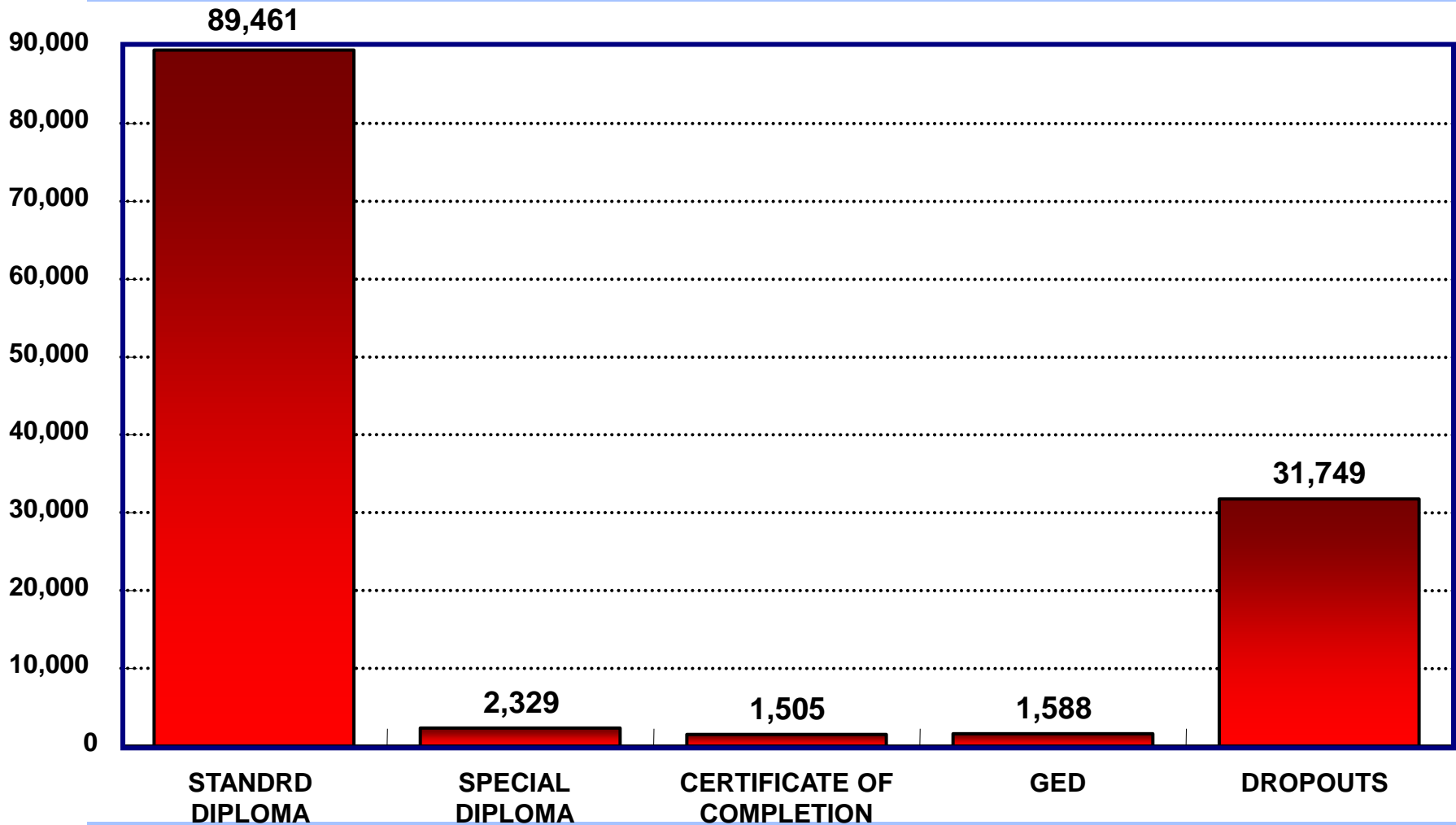
- ▶ National Student Clearinghouse

State Agencies:

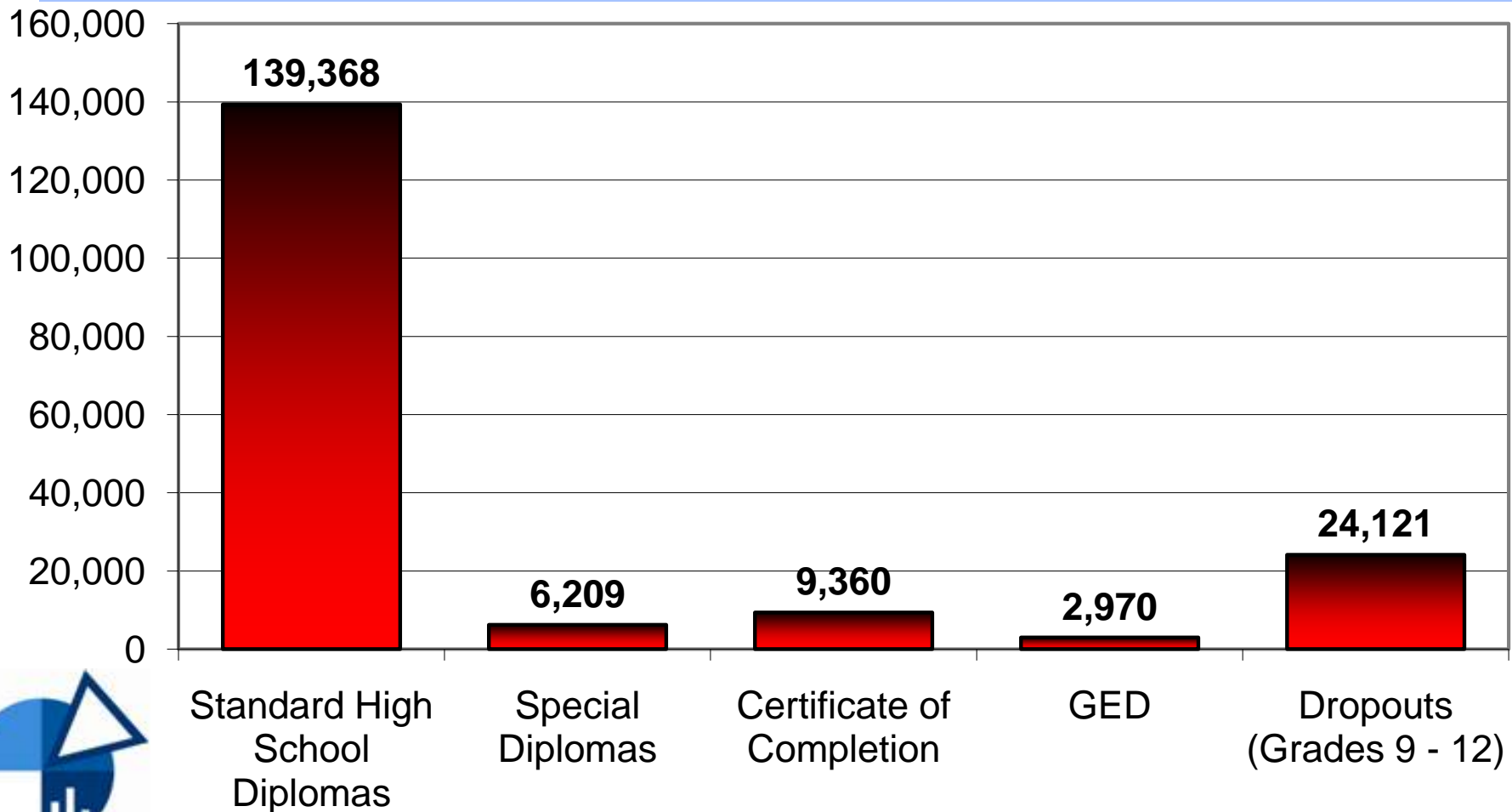
- ▶ Education
- ▶ Workforce Innovation
- ▶ Children & Families
- ▶ Business & Professional Regulation
- ▶ Corrections



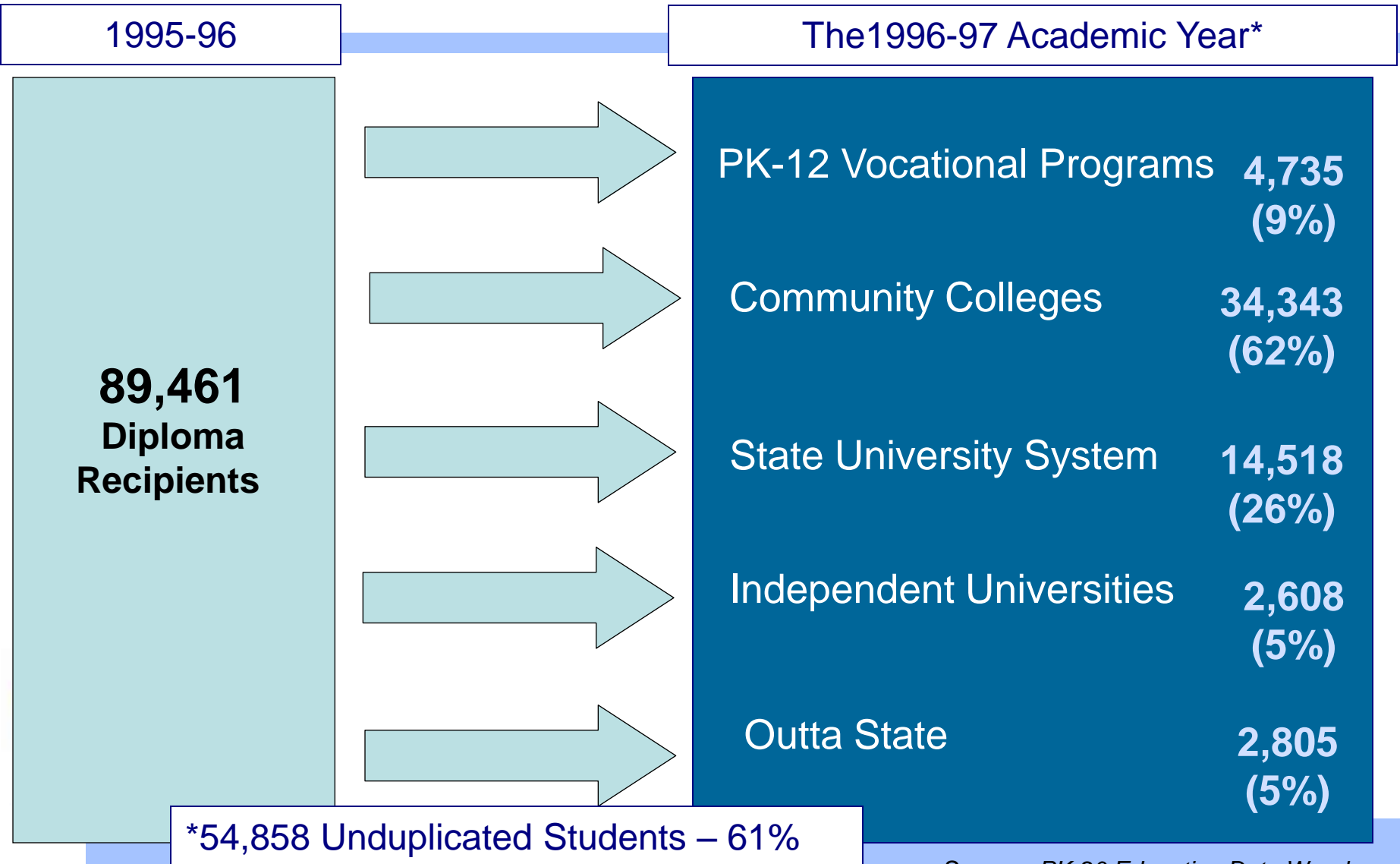
How do Florida Students Leave Public High Schools? 1995-96



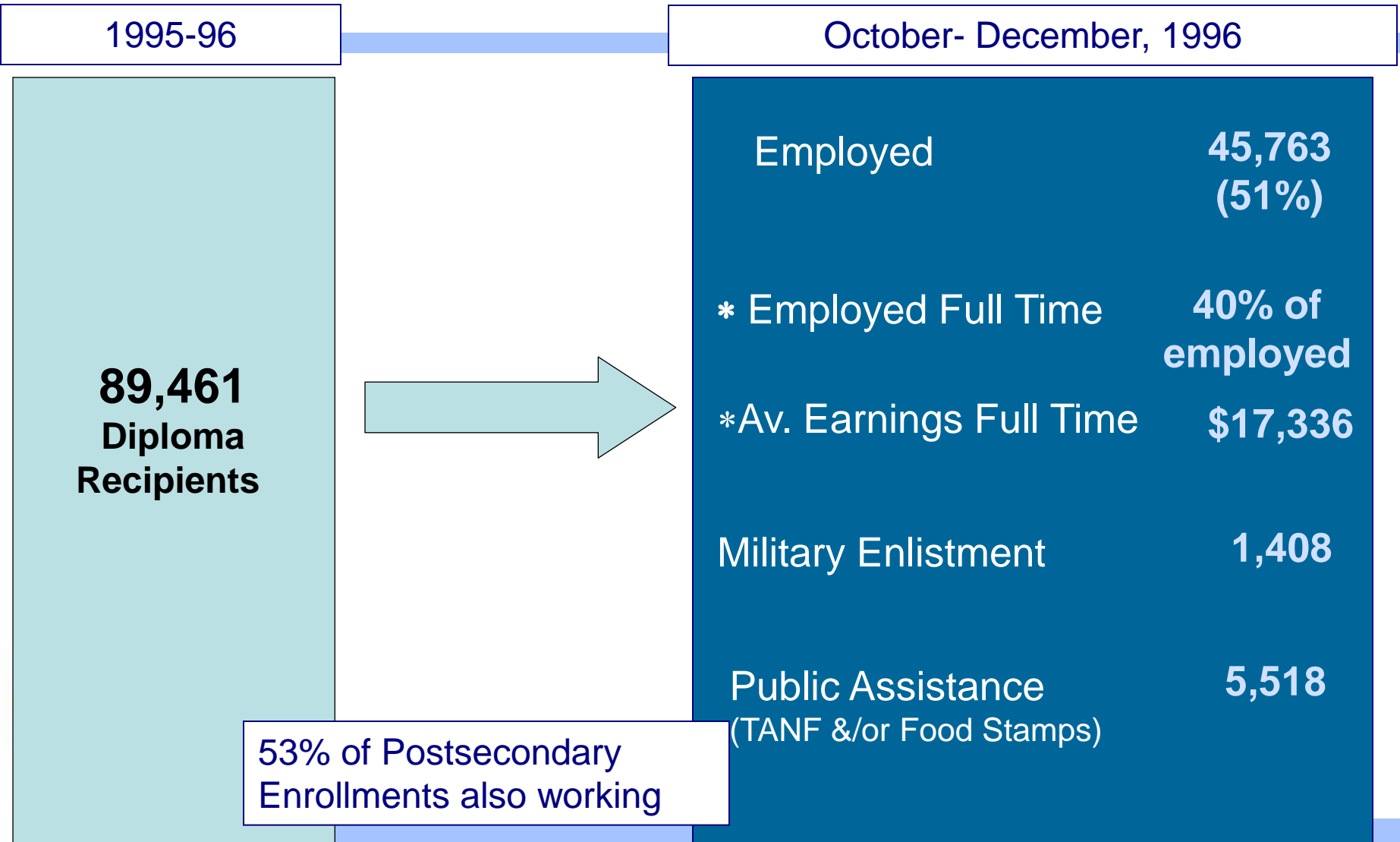
How do Florida Students Leave Public High Schools? 2007-08



What Happens After They Graduated? - Standard Diplomas to Postsecondary



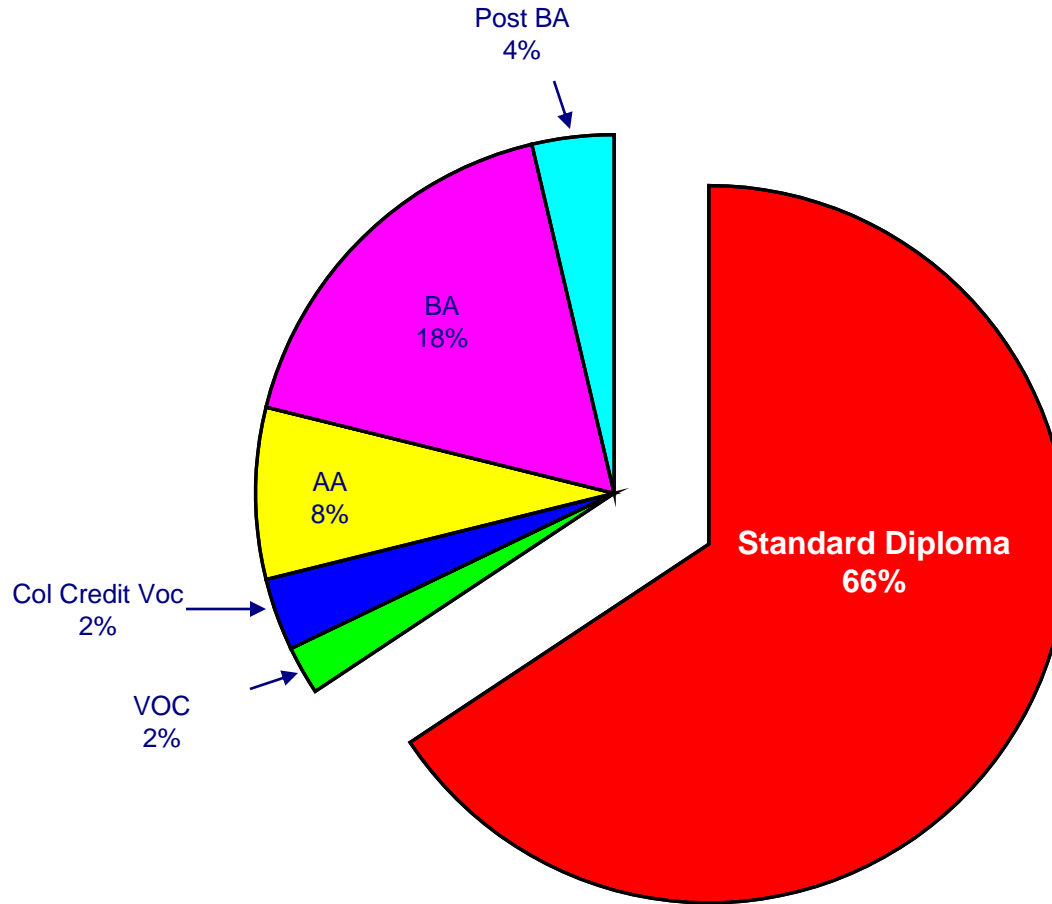
What Happens After They Graduated? - Standard Diplomas to the Florida Labor Force



Source: PK-20 Education Data Warehouse

Florida 1995-96 High School Graduates

Highest Educational Credential Attainment as of 2007



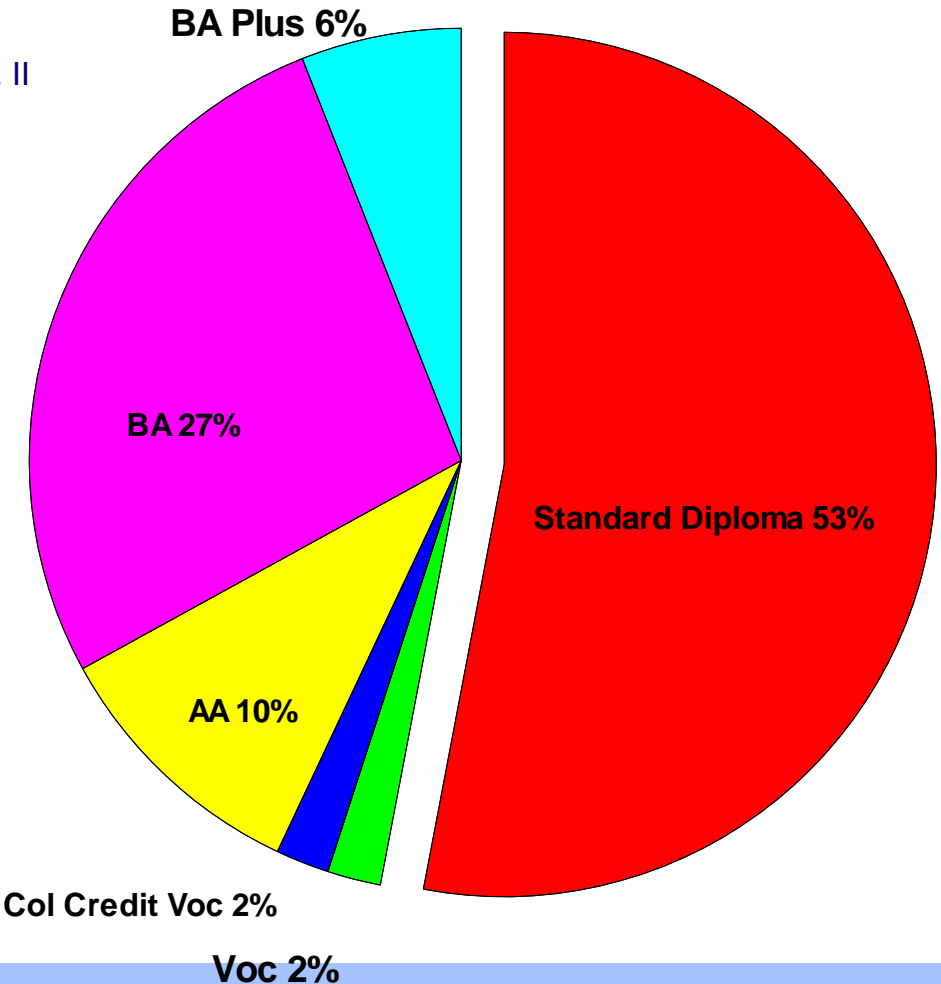
89,461 Standard Diploma

(15,478 – 17% Never Enrolled in Florida – 6.48% out of State)

'96 HS SHD Recipients who Passed Algebra II Before Graduating

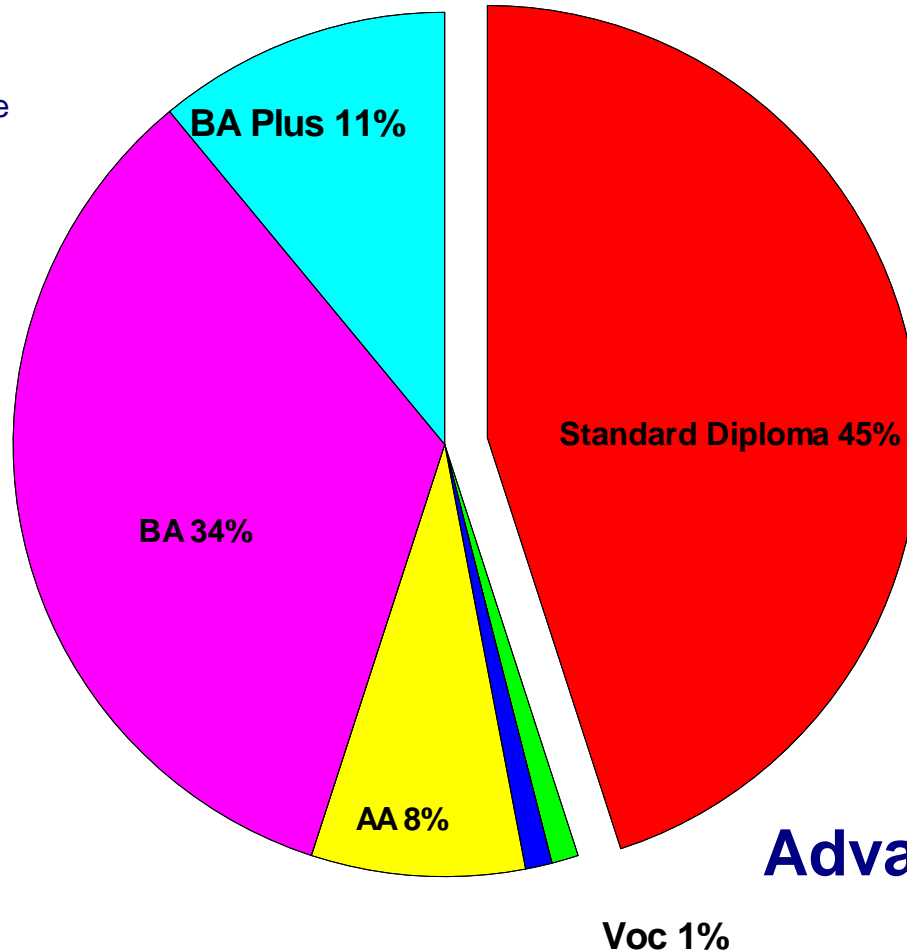
89,461 Standard Diplomas
49,810 Took and Passed Alg. II

Algebra II



'96 SHD Recipients who Completed at least One Advanced Placement Course Before Graduating

89,461 Standard Diplomas
18,835 Completed at least one
Advanced Placement course.
(6,772 – 35% Did not attempt
postsecondary in Florida)

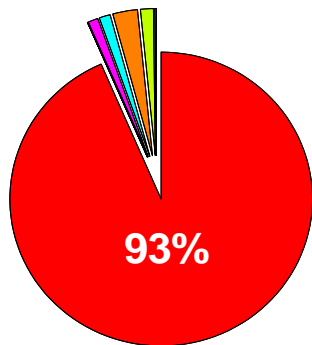


Advanced Placement



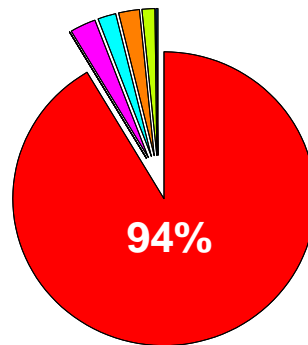
Col Credit Voc 1%

1995-96 Florida Public High School Exiters: "Others" Highest Credential Attainment as of 2007



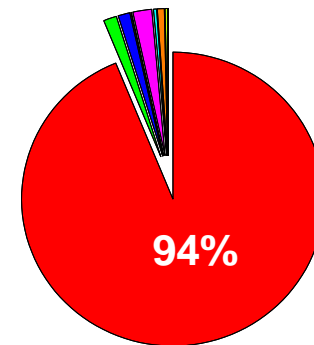
HS GEDs

Total 1,587
29% Never Enrolled



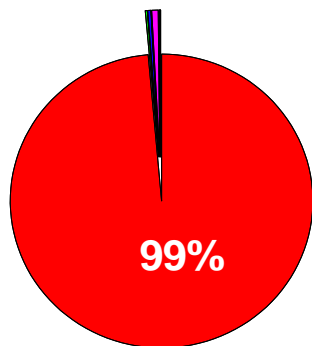
All GEDs

Total 28,987
28% Never Enrolled



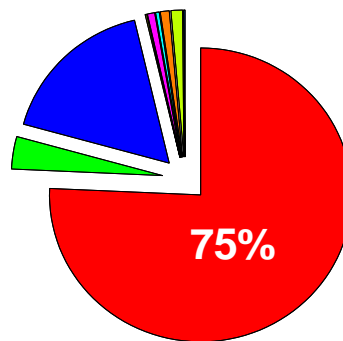
Cert Cmpltn

Total 1,505 32% Never Enrolled



Spc Dip

Total 2,329
55% Never Enrolled

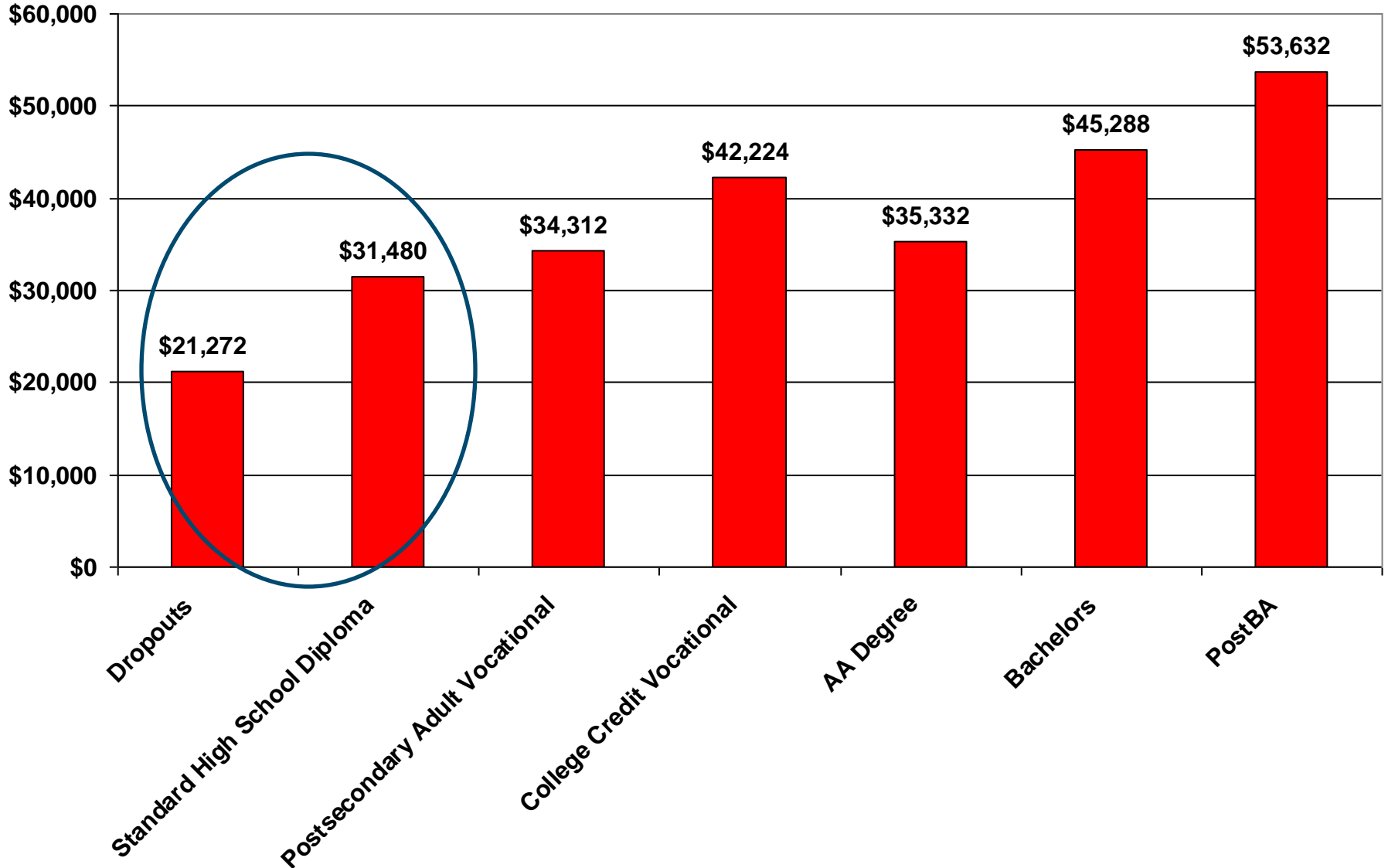


Dropouts

Total 31,749
43% Never Enrolled

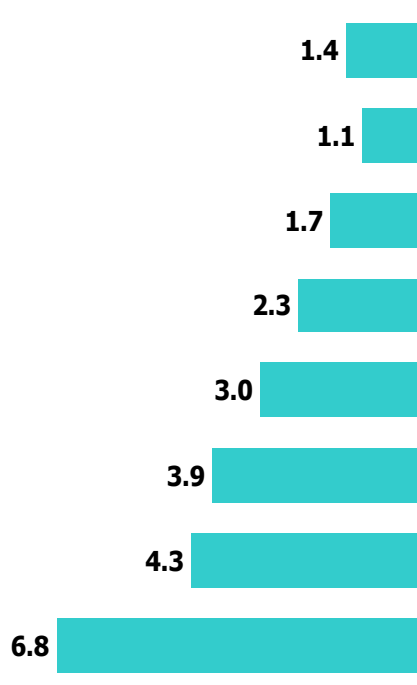
Source: Florida K-20 Education
Data Warehouse

Florida Public High School Class of 1996 Annualized Earnings Based on Highest Education Credential Attained Through 2007

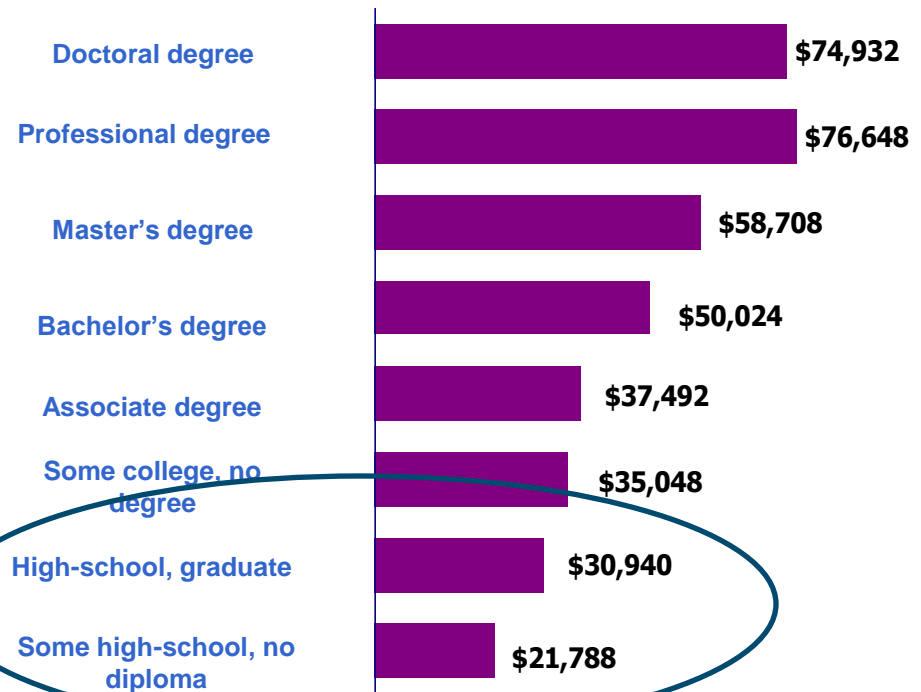


Education and Training pay ...

Unemployment Rate (Percent)



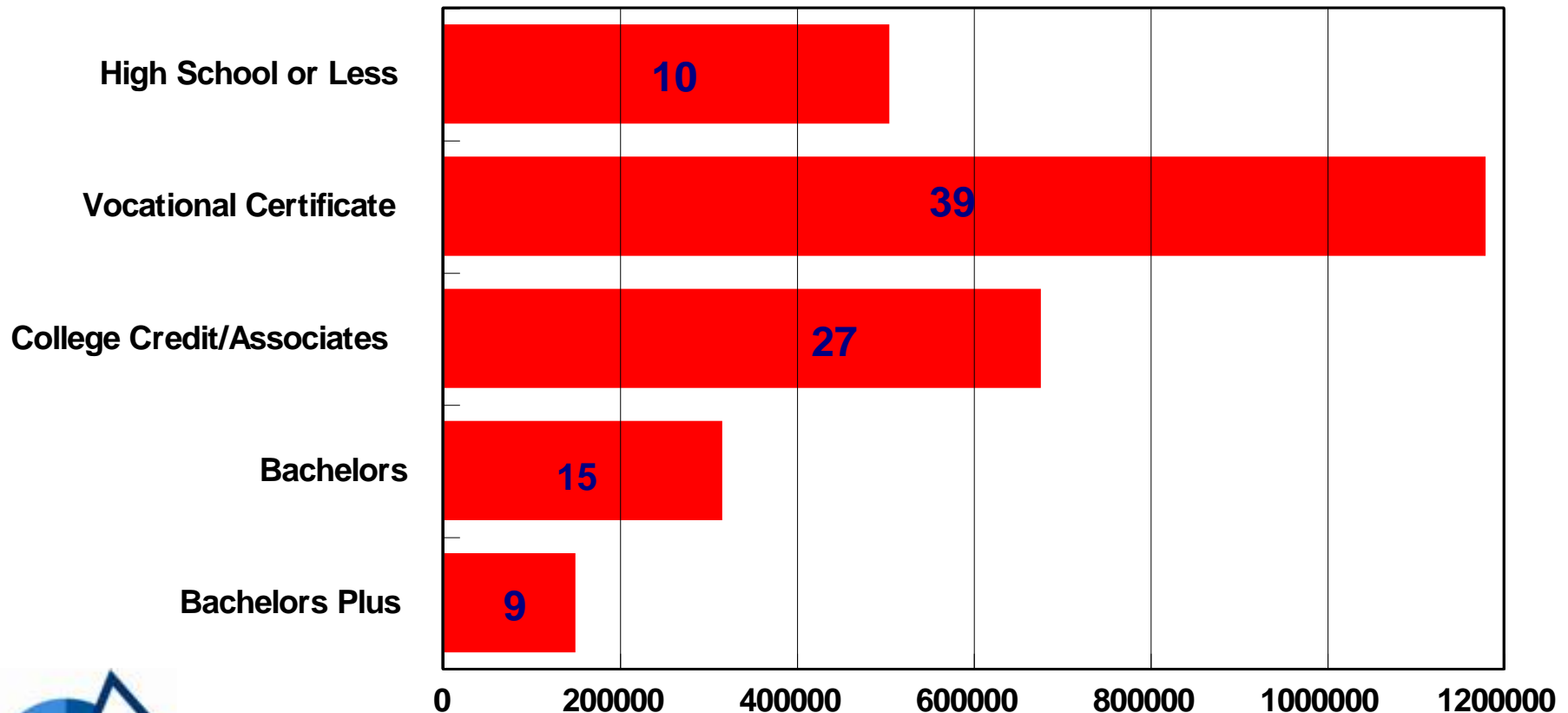
Median Earnings (Dollars)



Notes: Unemployment and earnings for workers 25 and older, by educational attainment; earnings for full-time wage and salary workers

Sources: Unemployment rate, 2006 annual average: Bureau of Labor Statistics; 2006 Weekly Median Earnings (multiplied by 52 weeks), Bureau of the Census.

100 Fastest Growing Occupations to 2016 by Minimum Educational Requirements



Includes occupations with at least 4,000 jobs in 2008;
Occupations growing at 2% per year or greater.

Questions?



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