Data Collection & Reporting

Timeline

Jordan Allen, Assistant Director of Data Management and Analysis
Gina Deom, Director for Research and Analytics

February 2019
Data Collection
Timeline Overview

- **Fall Data Collection (Sept)**
- **Unit Record Data Collection (Oct-Jan)**
- **Early College Credit**
- **NSC, HS Grad Data Collection (Feb)**
- **College Readiness**
- **College Completion**
- **College Equity**
- **Return on Investment**
- **Certificates**

<table>
<thead>
<tr>
<th>September</th>
<th>October</th>
<th>November</th>
<th>December</th>
<th>January</th>
<th>February</th>
<th>March</th>
<th>April</th>
<th>May</th>
<th>June</th>
<th>July</th>
<th>August</th>
<th>September</th>
<th>October</th>
<th>November</th>
<th>December</th>
</tr>
</thead>
<tbody>
<tr>
<td>2018</td>
<td></td>
<td></td>
<td></td>
<td>2019</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
Why do we collect data?

CHE collects student-level data to inform decision making and to help evaluate state policy.

But why CHE?

• To provide standards and oversight
• To increase transparency and availability of data
• To simplify tracking of students across institutions
• To provide a cohesive statewide view of the pipeline
What do we collect?

- Student Names and Demographic Information
- Enrollment and Credit Information
- Degree Information
- Financial Aid Information
How do we ensure quality?

- Institutions are provided with definitions
- Data files are uploaded via the web (CHEDSS)
- Over 150 automated data checks
  - All errors must be corrected before “approving”
- Program information validated against master list
- CHE staff follow up about unusual trends
How do we match students?

- CHE maintains a “Master Student Index”
- System looks at whole range of student characteristics
- Composite match score calculated based on probabilities of attributes matching
  - High scores result in an automatic link
  - Mid range scores are manually reviewed by CHE staff
  - New students are added to the Master Student Index
- Enables accurate linking to other data sources!
What other data sources?

- National Student Clearinghouse
  - out of state students
- Department of Education (IDOE)
  - diploma type, SAT scores, AP scores, etc.
- State Financial Aid data (ScholarTrack)
  - 21st Century Scholars and other aid aid recipients
- Department of Workforce Development (DWD)
  - employment and earnings
- Community organizations
  - custom feedback reports and program evaluation
Put another way...

**INPUTS**
- Institution Data
- High School Graduate Data
- National Student Clearinghouse
- State Financial Aid
- Workforce Data

**VALIDATION & TRANSFORMATION**

**OUTPUTS**
- Reports
- Analyses
- Evaluations
- Performance Funding
Who submits and when?

• **Who?**
  – Indiana public, private, and proprietary colleges

• **Data Collection Cycle**
  – Fall Enrollment Summary (September)
  – Unit record data collection (October – January)
  – National Student Clearinghouse, high school graduate data, and state financial aid updates (February)
Reports and Analyses
Tentative 2019 Report Timeline

- Fall Data Collection (Sept)
  - Unit Record Data Collection (Oct-Jan)
  - NSC, HS Grad Data Collection (Feb)
- Early College Credit
- College Readiness
- College Completion
- College Equity
- Return on Investment
- Certificates

2018:
- September
- October
- November
- December

2019:
- January
- February
- March
- April
- May
- June
- July
- August
- September
- October
- November
- December
ICHE Reports and Analyses

• **Reports**
  – College Readiness
  – College Completion
  – College Equity
  – Return on Investment

• **Research Analyses**
  – Early College Credit
  – Certificates
  – Transfer

[www.in.gov/che]
College Readiness Report

- **Purpose:** Provide info on Indiana students’ college-related
  - Access
  - Readiness
  - College Success

- Show **demographic, geographic, and academic** breakdowns

- **Data:**
  - High School Graduate Data (IDOE)
  - College Data (CHE, NSC)
  - 2018 Report focused on 2016 High School Graduates
Purpose:
- Track progress toward completion goals
- Focus attention on completion achievement gaps

Show demographic, sector, and institution breakdowns

Data:
- Indiana public data; National Student Clearinghouse
- First-time, full-time degree seeking upon fall entry
- 2018 Report Focused on 2017 graduates:
  - On-time (*same campus/same degree*) Fall 2013 (4yr), Fall 2015 (2yr)
  - Extended 6-year (*any campus/any degree*): Fall 2011
College Equity Report

• **Purpose:**
  – **Breakout** data by demographic groups
    • Race/Ethnicity, Socioeconomic Status, Gender, Rural/Urban
  – Track **progress** toward closing achievement gaps by 2025

• **Data: A Closer Look at demographic groups:**
  – **Access**
    • HS Graduate Data (DOE) and College Data (CHE, NSC)
  – **Readiness**
    • HS Graduate Data (DOE) and College Data (CHE)
  – **Completion**
    • College Data (CHE, NSC)
Return on Investment Report

• **Purpose:**
  – Provide info about employment prospects of a college credential *(Return)*
  – Provide info about benefits of higher education to the student and state *(Return)*
  – Provide info about the cost of college *(Investment)*

• **Data:**
  – College Graduate Data (CHE)
  – Employment Outcome Data (DWD)
  – Student Debt and Cost Data (IN Public Colleges and IPEDS)
  – Other state and national sources and studies (U.S. Census, IBRC, Brookings, etc.)
Research Analysis Examples

ICHE typically releases 1-2 research analyses per year
   – Deeper dive analyses on main reports
   – Update cycle typically varies from annual to every other year

• Early College Credit Report
   – Participation and outcomes for AP and dual credit earners
   – Latest report released in January 2019

• Certificate Report
   – Certificate popularity, student characteristics, and value of certificates offered by Indiana institutions
   – Latest report released in 2017; update will be provided in 2019

• Transfer Report
   – Transfer student outcomes at Indiana’s Public Universities
   – Latest report released in 2018; update will be provided in 2020
Additional Reports & Data Examples

• **Fall Enrollment Summary**
  – High-level enrollment summaries for the current year
  – Typically available in October each year

• **State Financial Aid Report**
  – Fiscal summaries of financial aid expenditures

• **Performance Funding Data**
  – Collaborative project between Policy/Research and Finance every other year

• **21st Century Scholars Data**
  – Summaries of Scholar enrollment, SSP, and college performance
• Reports and Analyses:
  
  http://in.gov/che/3155.htm

• CHE Data Dashboards:
  
  https://public.tableau.com/profile/che.staff/#!/
Questions?
INDIANA COMMISSION for HIGHER EDUCATION