



# SHEEO

STATE HIGHER EDUCATION EXECUTIVE OFFICERS ASSOCIATION

## ***Using the PDP Analysis-Ready File for Deep Dives***

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## Presenters



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Associate Vice President  
SHEEO



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Data Analyst  
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## Leading and Lagging Indicators

**Leading**



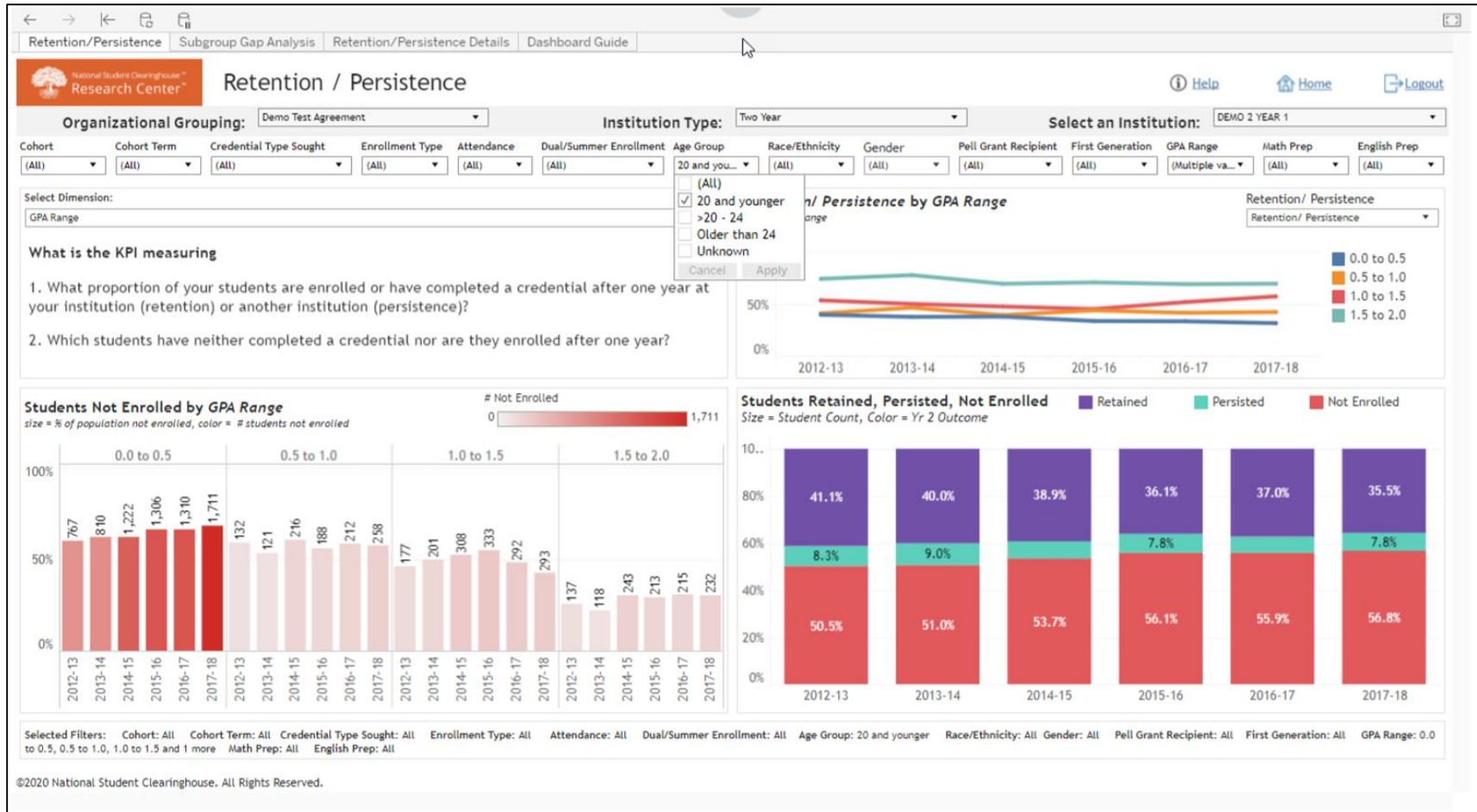
Influence  
**future**  
performance

Analyze  
**past**  
performance



**Lagging**

# PDP Tableau Dashboards are a Great First Step



## What is the Analysis-Ready (AR) file?

- Student level, excel file in a one-row-per-student format

[illegible]

## **What Variables are Included?**

**Postsecondary Data Partnership A/R File Data Dictionary**

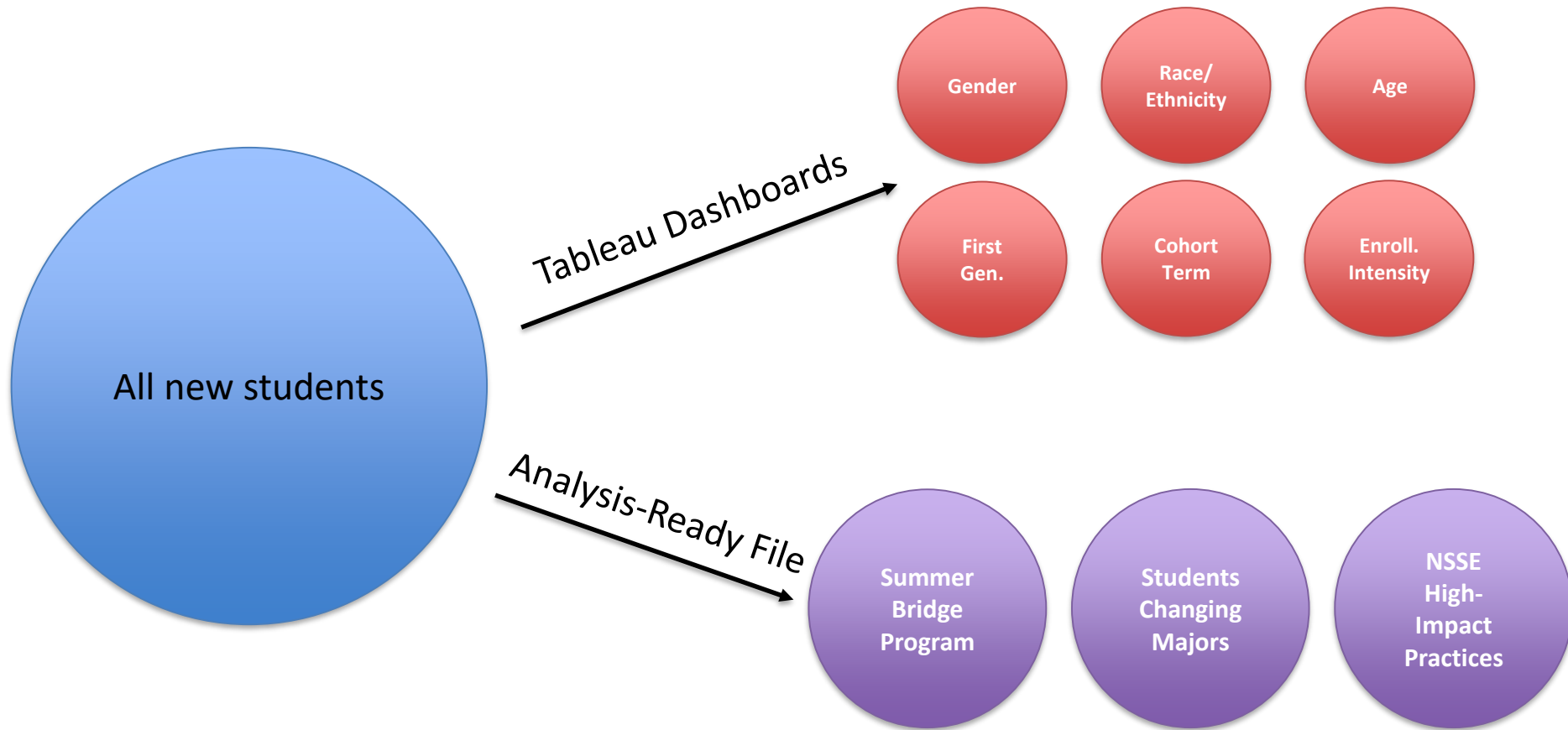
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## What can you do with the Analysis-Ready File?

- Create your own college-defined cohorts and conduct additional inquiries.
- Match the data to other information sets, such as early alert data and other predictive analytics.
- Identify student populations that require additional help, so your institution can strategically intervene and design early support systems.



# Deeper Exploration with the Analysis Ready File



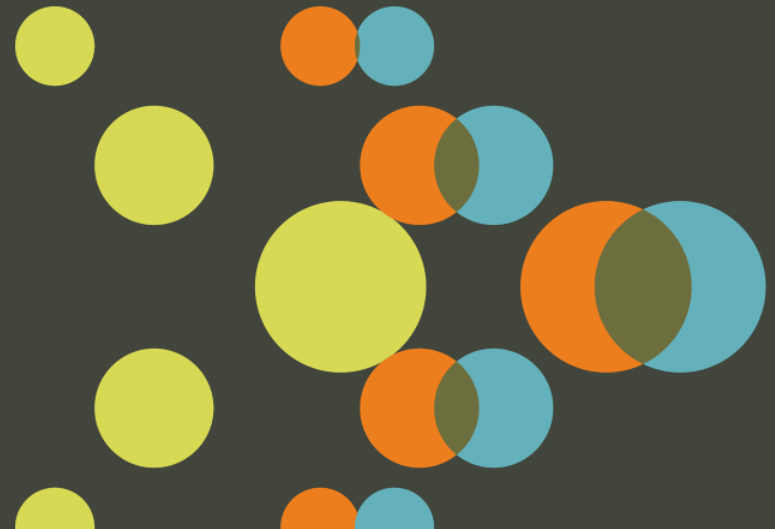
# LEVERAGING PDP DATA

## for Understanding and Action

Roman Ruiz & McCall Pitcher  
American Institutes for Research

**Additional Team Members:**

Steve Hurlburt, Susan Burkhauser,  
Katie Hyland, Kyra Martin, Visha Patel,  
Daniyal Rahim, Anais Toungui



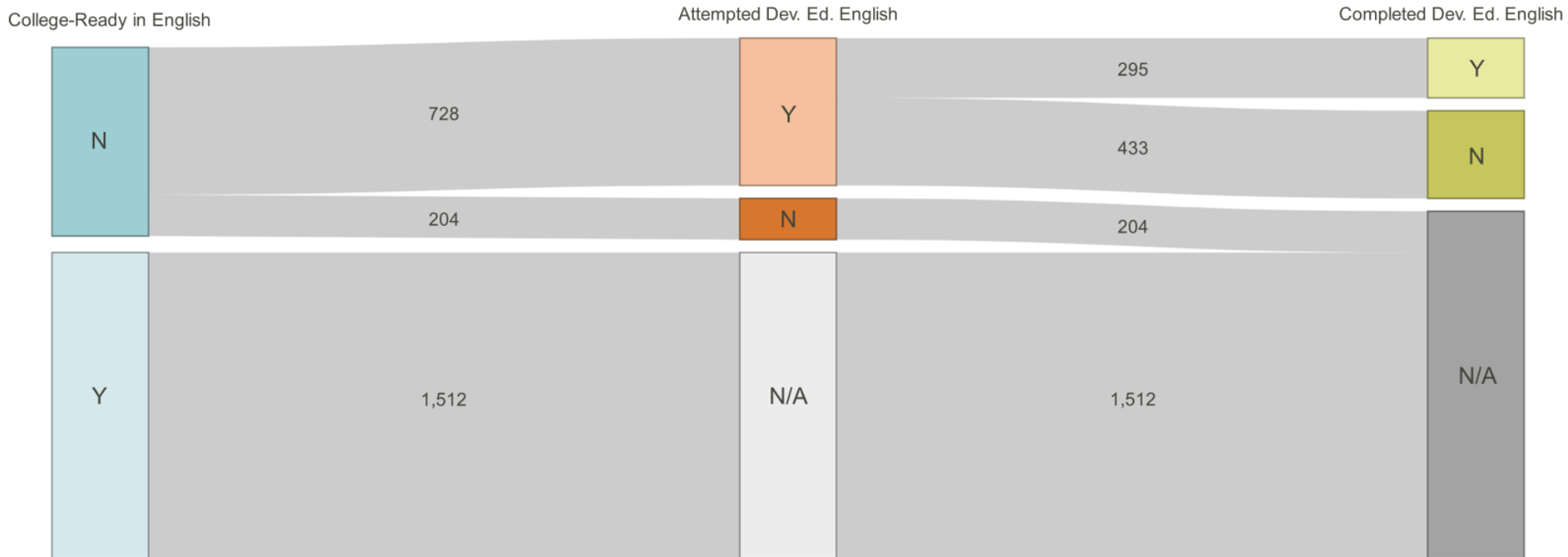
# Understanding Student Progression





# Developmental English Progression:

2018-19 Cohort



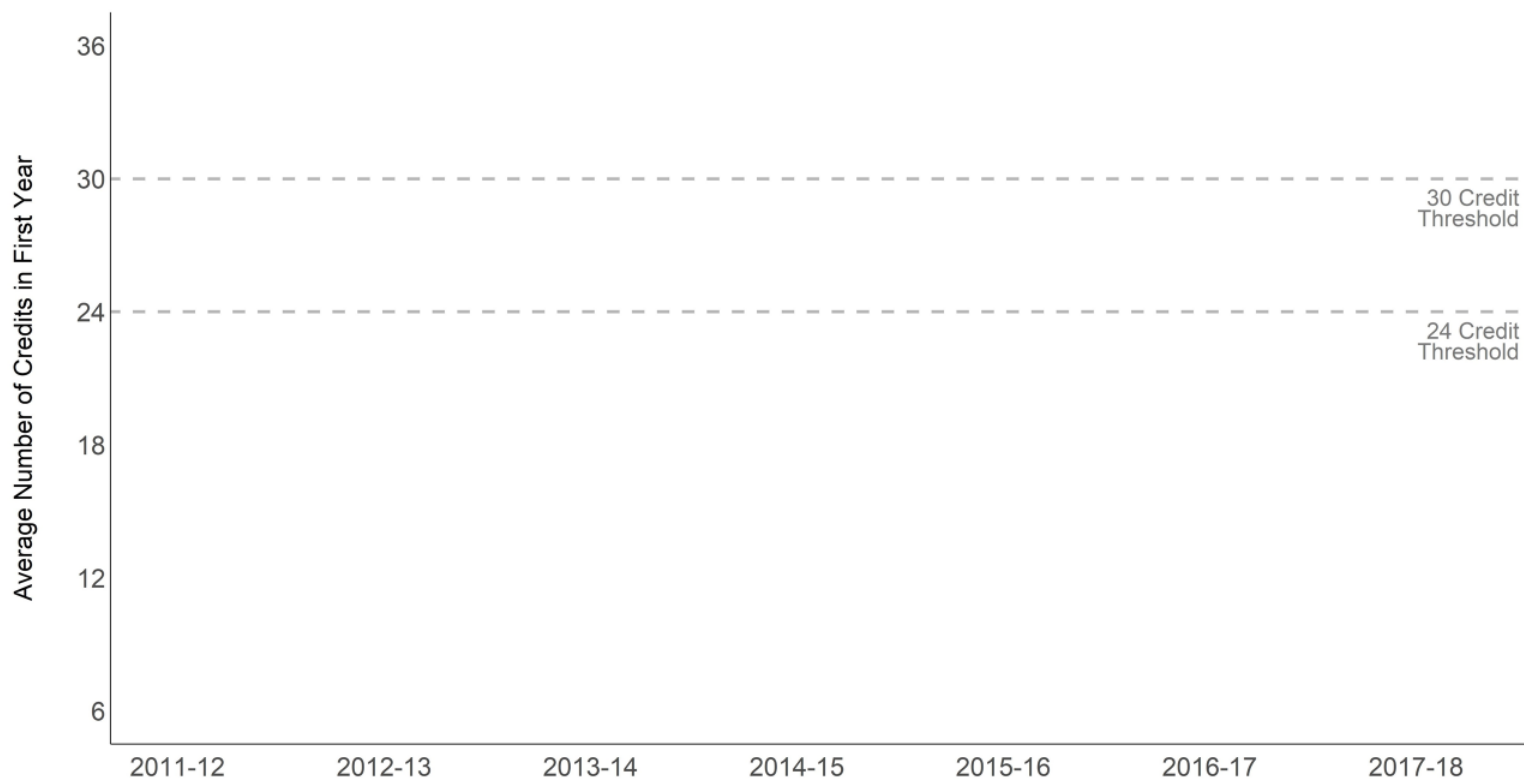
# Understanding PDP Data Within Institutional Context





# Average Number of Credits Attempted/Earned in First Year:

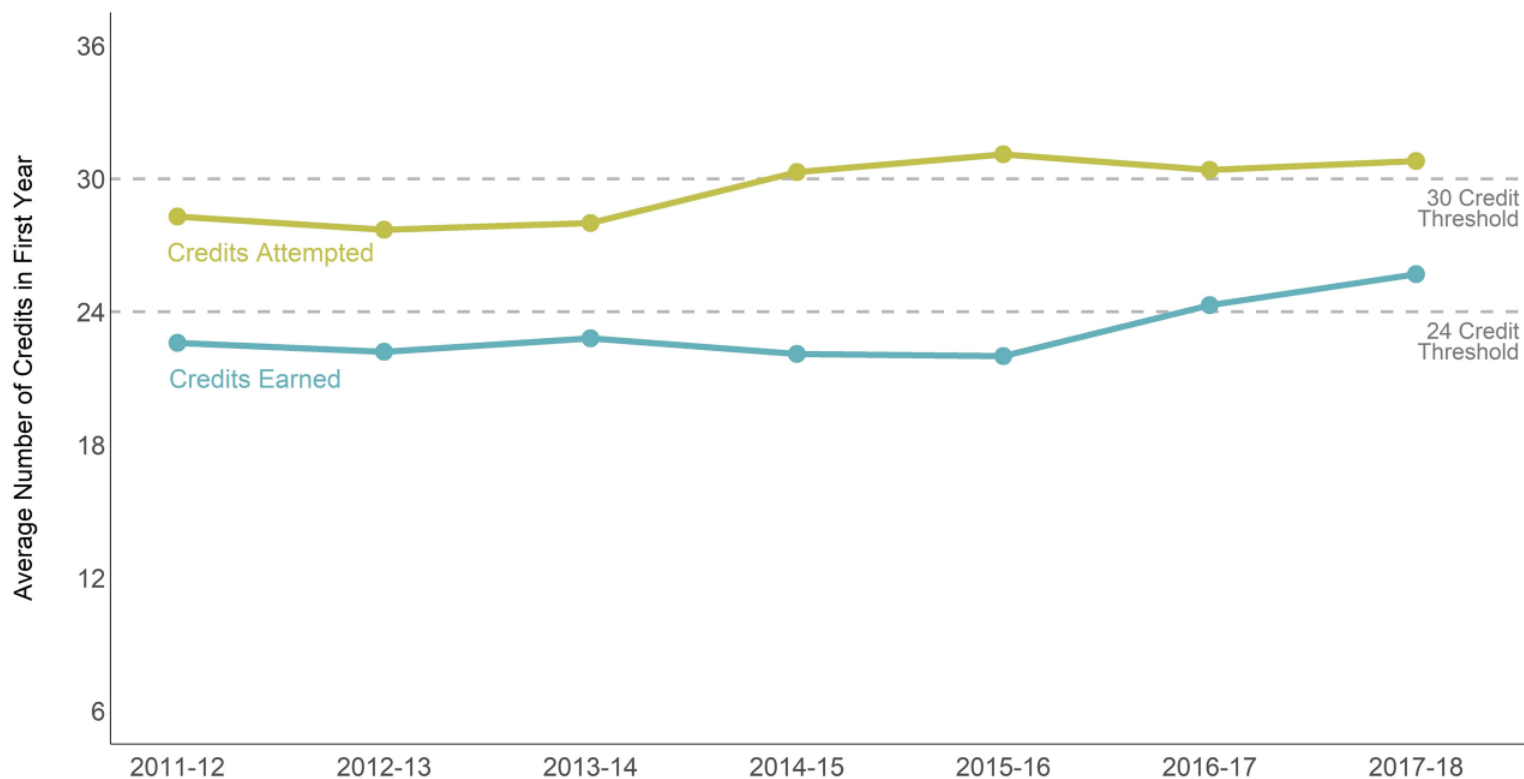
Cohorts 2011-12 to 2017-18





# Average Number of Credits Attempted/Earned in First Year:

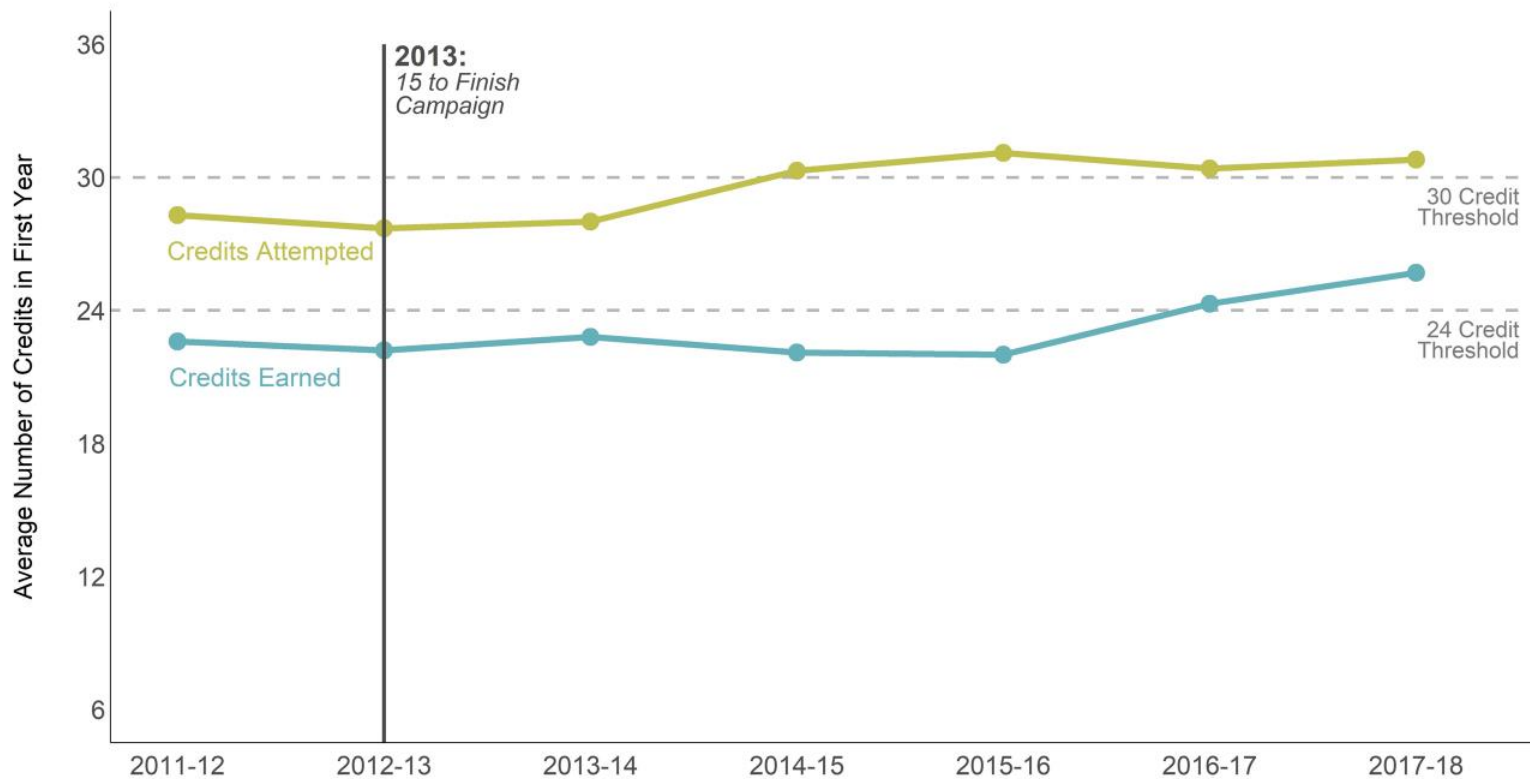
Cohorts 2011-12 to 2017-18





# Average Number of Credits Attempted/Earned in First Year:

Cohorts 2011-12 to 2017-18

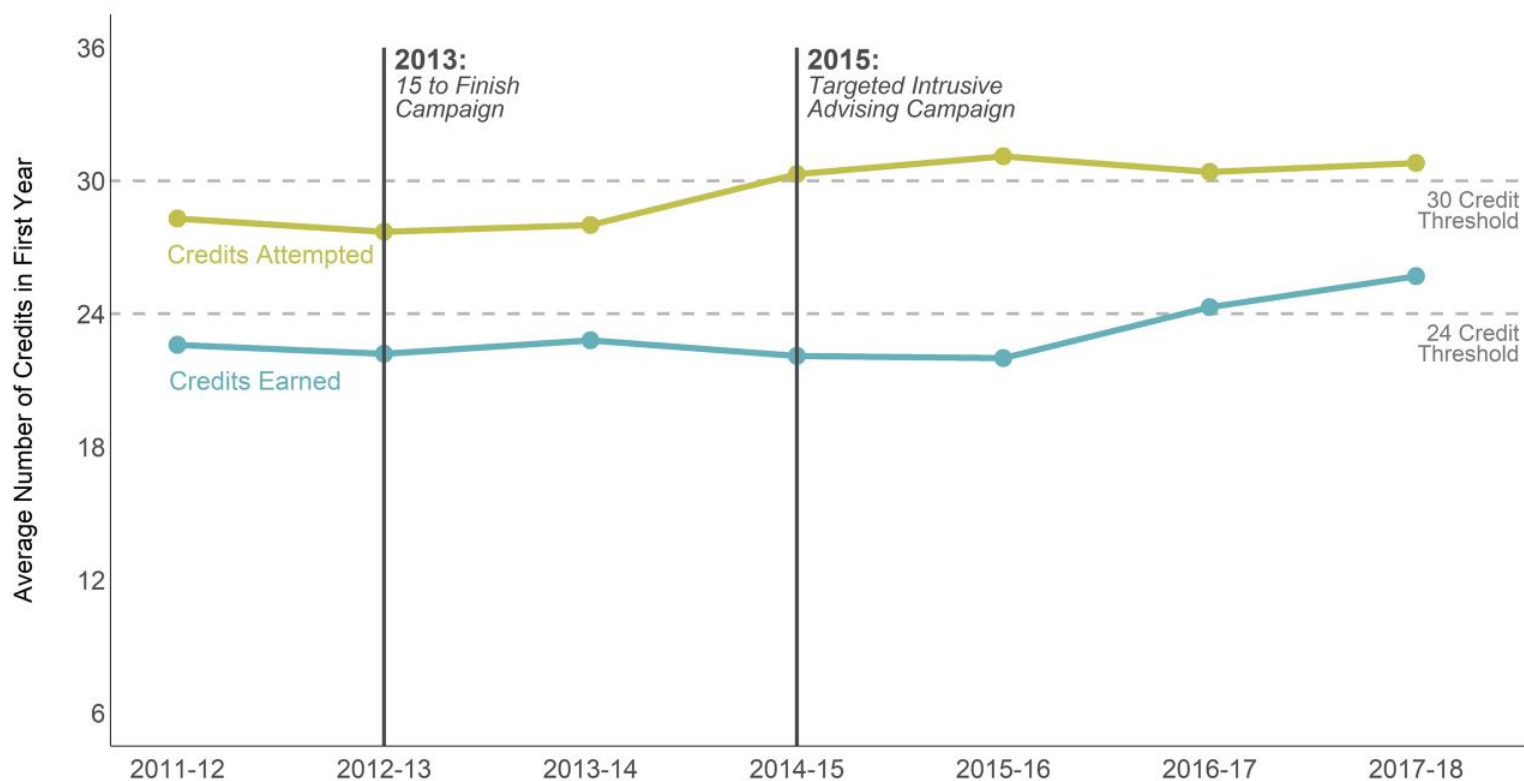






# Average Number of Credits Attempted/Earned in First Year:

Cohorts 2011-12 to 2017-18



# SHEEO Research Using Analysis Ready File Data

- How do PDP sample data compare to state and national data related to student demographics (to ensure the PDP data are reasonably representative of national and/or state level students)?
- How do academic background metrics (math and English placement, dual and summer enrollment) vary by student demographics?
- How do initial enrollment characteristics metrics (attendance status, credential sought, and program of study) vary by student demographics?
- How do 1<sup>st</sup> year progress metrics (credit attempted and earned, gateway, developmental education, and GPA) vary by student demographics?
- How do persistence/retention metrics vary by student demographics?
- How do credentials earned and time to degree metrics vary by student demographics?

To: Authorized User  
From: Your Friendly Data Team

Cohort	Student	Enrollment	Enrollment	Math	English	Dual	Race	Ethnic	Gender	First	Pell	Attendance	Credit	Program	GPA	GPA	Number	Number	Number	Number	Number	Number
FALL	Older than	Transfer: Part-Time	UK	UK	UK	White	N	F	N	N	Transfer: Bachelor's Degree	4	2.37	21	12	0	0	0	0	0	0	
FALL	Older than	Transfer: Full-Time	UK	UK	UK	White	N	F	Y	N	Transfer: Bachelor's Degree	2.35	3.14	31	28	28	21	0	0	0	0	
FALL	Older than	Transfer: Part-Time	UK	UK	UK	White	N	M	F	N	Transfer: Bachelor's Degree	140801	2.65	2.86	21	21	21	21	25	25	25	
SPRING	>20 - 24	Transfer: Unknown	C	UK	UK	Asian	N	M	Y	UK	Transfer: Bachelor's Degree	140801	UK	UK	17	17	34	30	33	30	30	
FALL	20 and gc	First-Term Full-Time	UK	UK	UK	Hispanic	H	F	N	N	First-Term Bachelor's	2.63	2.63	20	20	20	20	24	24	24	24	
FALL	20 and gc	First-Term Full-Time	UK	UK	UK	White	N	F	Y	N	First-Term Bachelor's											
FALL	20 and gc	First-Term Full-Time	C	UK	UK	Two or Non	N	M	N	N	First-Term Bachelor's											
FALL	20 and gc	First-Term Full-Time	UK	UK	UK	Asian	N	M	N	N	First-Term Bachelor's											
FALL	Older than	Transfer: Full-Time	UK	UK	UK	Asian	N	M	N	N	Transfer: Bachelor's											
SPRING	>20 - 24	Transfer: Unknown	UK	UK	UK	Hispanic	H	M	Y	UK	Transfer: Bachelor's											
FALL	20 and gc	First-Term Full-Time	UK	UK	DS	Asian	N	F	N	N	First-Term Bachelor's											
FALL	Older than	Transfer: Full-Time	UK	UK	UK	Asian	N	M	Y	N	Transfer: Bachelor's											
FALL	>20 - 24	Transfer: Full-Time	UK	UK	UK	Black or Non	F	N	N	N	Transfer: Bachelor's											
FALL	20 and gc	Transfer: Full-Time	C	UK	UK	Asian	N	M	N	N	Transfer: Bachelor's											
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FALL	>20 - 24	Transfer: Full-Time	UK	UK	UK	Two or Non	N	M	Y	N	Transfer: Bachelor's											
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FALL	>20 - 24	Transfer: Full-Time	UK	UK	UK	Hispanic	H	F	Y	N	Transfer: Bachelor's											
FALL	>20 - 24	Transfer: Part-Time	UK	UK	UK	Two or Non	N	M	N	N	Transfer: Bachelor's											
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NATIONAL STUDENT CLEARINGHOUSE

Postsecondary Data Partnership Data

Postsecondary Data Partnership A/R File Data Dictionary

Variable	Name	Definition	Possible Format
First Name	First Name	Student's first name in the submission file	
Middle Name	Middle Name	Student's middle name or first initial of middle name in the submission file	
Last Name	Last Name	Student's last name in the submission file	
SSN	Social Security Number	SSN in the submission file	
Date of Birth	Date of Birth	Date student was born in the submission file.	Dates in YYYYMMDD
Student ID	Student ID	Institutionally supplied student ID number in the submission file.	
Institution ID	Institution ID	OEPIID	8-digit OEPIID
Cohort	Cohort	All undergraduate students who attended at least one course in a given term, for the first time at the cohort institution. Students may be first-time ever in college or new transfer students at the cohort institution and may be enrolled at any program level, including credential-seeking, college remedial, developmental, or college preparatory; adult basic skills (ESL, ABE, or ASE/GED); and non-credit vocational students. For non-credit	Dates in YYYY For example

Kelsey Analy

NATIONAL STUDENT  
CLEARINGHOUSE

Postsecondary Data Partnership Data Dictionary

### Postsecondary Data Partnership A/R File Data Dictionary

Variable	Name	Definition	Possible Values/Field Format
First Name	First Name	Student's first name in the submission file	
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**Kelsey Heckert**

Analysis Ready File Qs

Morning! I have a couple of quick questions for you about...

# Let Users Know About Unknowns

**Math & English  
Placement**

**Dual & Summer  
Enrollment**

**First Generation**

**Pell Status**



**Program of Study**

**Gateway Status**

**Attempted Gateway  
Math & English**

**Completed Gateway  
Math & English**

## Cohort + Enrollment Type

- There are **2 values for Enrollment Type** according to the PDP Data Dictionary:

Enrollment Type	Enrollment Type	▪ The student's enrollment type at the time of the defined cohort in the submission file	▪ First-time Transfer-in
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- **What users could see:**
  - Re-admit and Continuing (<1%)
- **Quality Concerns:**
  - PDP Submission Guide says that Re-admit and Continuing Enrollment Types are not included in PDP cohorts

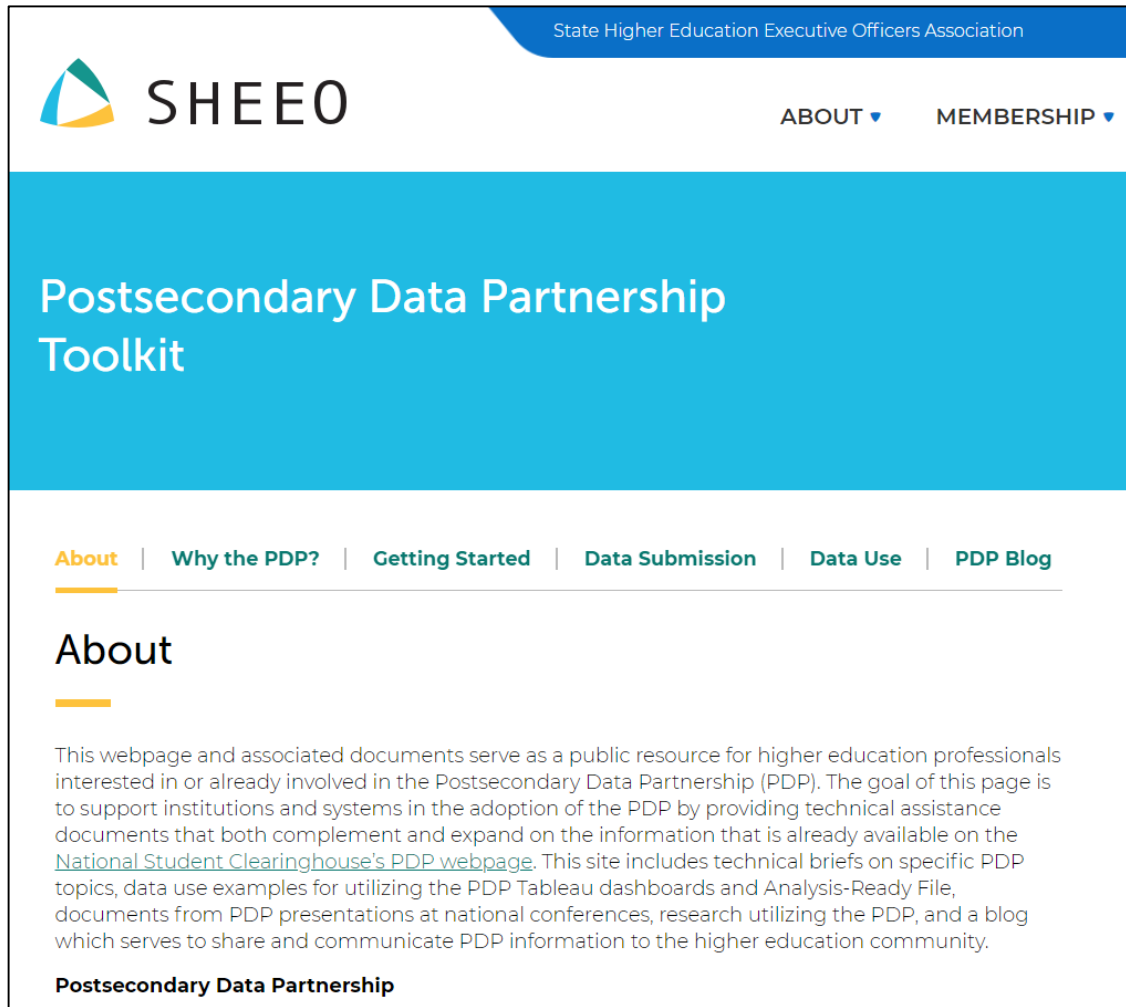
## Time To Credential + Year Earned

- **Time to Credential** – calculated in PDP processing - is the number of years between a student's earliest enrollment at cohort institution and earliest degree award date at the cohort institution
- **Keep in mind:**
  - Time to Credential is rounded up ( $>0$  and  $\leq 1$  will be 1)

- **Quality Concerns:**


Year Earned Bachelor (cohort)	Year Earned Associates (cohort)	Time to Credential
0	0	7.4
0	0	2.7
....	....	....

# Online PDP Toolkit: <http://sheeo.org/pdp>



The screenshot shows the SHEEO website header with the logo and navigation links for 'ABOUT' and 'MEMBERSHIP'. Below the header is a large blue banner with the text 'Postsecondary Data Partnership Toolkit'. Underneath the banner is a horizontal menu with links: 'About', 'Why the PDP?', 'Getting Started', 'Data Submission', 'Data Use', and 'PDP Blog'. The 'About' link is highlighted with an orange underline. Below the menu is the 'About' section, which includes a paragraph of text and a sub-header 'Postsecondary Data Partnership'.

State Higher Education Executive Officers Association

 SHEEO

ABOUT ▼ MEMBERSHIP ▼

## Postsecondary Data Partnership Toolkit

[About](#) | [Why the PDP?](#) | [Getting Started](#) | [Data Submission](#) | [Data Use](#) | [PDP Blog](#)

### About

This webpage and associated documents serve as a public resource for higher education professionals interested in or already involved in the Postsecondary Data Partnership (PDP). The goal of this page is to support institutions and systems in the adoption of the PDP by providing technical assistance documents that both complement and expand on the information that is already available on the [National Student Clearinghouse's PDP webpage](#). This site includes technical briefs on specific PDP topics, data use examples for utilizing the PDP Tableau dashboards and Analysis-Ready File, documents from PDP presentations at national conferences, research utilizing the PDP, and a blog which serves to share and communicate PDP information to the higher education community.

**Postsecondary Data Partnership**

Includes:

- Guidance for PDP Adoption
- Data Submission Technical Assistance (e.g., Defining Gateway Courses)
- Data Use Technical Assistance (e.g., Tableau Dashboard Guides)