# Student Retention Performance 1.1 FAQ & Terminology

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# FAQs

# ACADEMIC STUDY

## MULTIPLE PROGRAMS QUESTIONS:

**What if the student is in multiple programs (degrees, college, program, majors)? Are these students counted multiple times?  Can I see data for each program?**

* For each academic period of activity, only the student’s primary program is available in the academic study query subject in the model. This includes multiple majors and minors within this primary program. So, a student will not be counted in their concurrent programs within the model and any concurrent programs are not viewable.

## ACADEMIC STUDY QUESTIONS:

**We track college changes for all 4 years (and major changes only after sophomore year).  How could I look at that?**

* The admit academic study and outcome academic study query subjects allow you to look at all the different metrics with ASP (retention, headcounts) by admit college and outcome college.  So you could create a report that showed counts of different headcounts by admit college and their outcome college.  This is a sample chart in the solution (College Migration).

# ACTIVITIES

## ACTIVITIES QUESTIONS:

**Which activities are stored in the SRP EDW?**

* All activities associated with a student are loaded into the EDW whether or not they have an academic period

# COGNOS

## PACKAGE vs. CUBE QUESTIONS:

**What’s the difference between a package and a cube?**

* Cubes are aggregated summary data; all aggregations are pre aggregated and stored, creating fast response times.  Packages have both summary and detail data, all measures are calculated at query time.

## PACKAGE CUSTOMIZATION QUESTIONS:

**What would be the best practice for altering the package if we use a Banner column differently than what is intended in the query item definition?**

* We would recommend that you hide the query item and create a new query item with a more appropriate name and point this query item at the data column.  This will help you not have to repeat this customization with each upgrade

# DATA SETUP GOTCHAS

## EDW Extract Parameter: ACADEMIC\_PERIOD\_PATTERN FACTS:

* It is important to understand what this EDW Extract Parameter does and the impact it has on the data loaded
* In the EDW, there is an EDW EXTRACT PARAMETER called ACADEMIC\_PERIOD\_PATTERN that is used with the WFT\_STUDENT star which subsequently affects the Retention Multi Year fact’s and Analyze Student Progress and Analyze Student Engagement aggregates’ populations.
* This extract parameter is used, if you wish, to define which academic period patterns should be loaded into WFT\_STUDENT based upon certain values such as student levels (also possible to use college, program, campus)
* For Example: cid:image006.png@01CEE534.55B1F870
* For example ACADEMIC\_PERIOD\_PATTERN extract parameter value set for Student Level of MD for periods of ‘%5’.   This means that records will be created in WFT\_STUDENT for persons with an MD student level for all periods in STVTERM where…
  + The academic period is between the person’s academic period start / end values set on SGBSTDN/MST\_BASE\_STUDENT.
  + When the data is loaded into the EDW, this parameter prevents a record for being created for any term that doesn’t end in ‘5’ such as 201250.

# DATA VALIDATION TIPS

## Validation Assumption FACTS:

* Banner Queries: When validating data in SRP against Banner, Banner queries should always be written against the staged Banner tables in the warehouse and not off of changing data in the source Banner table that may be out of synch with warehouse data
* ODS/EDW: Assumes that both the ODS and EDW have been fully loaded/refreshed against the staged tables, meaning we're looking at in synch Banner/Warehouse data
* Load Errors: Assumes that there were no data load errors (cleansing warnings, primary key violations etc) during the EDW load which would have potentially prevented data from being loaded into the EDW tables

## Validation Steps

* Once the initial assumptions are confirmed, the first thing to confirm is the extract logic which populates the EDW star in question. In this example WFT\_ADMISSIONS\_APPLICATION Star/Fact to verify whether there were any important pieces of logic to take into account.
* With all stars except Advancement content, the stars are driven off of extract table functions stored in PL/SQL packages in the EDWSTG schema.
* For operational stars, such as WFT\_ADMISSIONS\_APPLICATION, there is one package per subject area, e.g. Student.
* The naming convention for the packages is EDW\_<SUBJECT>\_EXTR, e.g. EDW\_STUDENT\_EXTR

For example the package/function for the Admissions Application star: EDWSTG.EDW\_STUDENT\_EXTR.f\_get\_admissions\_application

## Understanding Package Functions

* Each package has a driving cursor which selects the population for the star followed by a series of cursor calls to select supporting attribute data.  Note: in some cases, there are two driving cursors – one for a load and one for a refresh. The cursors are identical except for the fact that the refresh cursor joins in the corresponding change table. Either may be used to investigate data sources.
* Looking at the driving cursor, it shows that it is selecting the driving population from the ODS table MST\_ADMISSIONS\_APPLICATION and then has additional joins to other table to bring in supporting data.
* Of the join criteria in the driving cursor, the criteria that we should confirm first are:
  + the logic only selects records with primary curriculum (A.CURRICULUM\_ORDER = 1)
  + the logic only selects records which have a wdt\_warehouse\_entity record, i.e. has a spriden record (WE.BANNER\_PIDM = A.PERSON\_UID)

Validation Flow:

Once assumptions are confirmed and cursor logic is understood, ensuring that you are using the same criteria in each of the following areas, determine at what point in the process the data is missing.

1. Validate that the data assumptions and data set up outlined in the SRP Documentation agrees with your institutions data
2. Validate data in Banner Stage Tables
3. Validate data in the ODS
4. Validate data in EDW

# STUDENT ACADEMIC PERIOD MEASURES & MULTI YEAR MEASURES

## TIME ATTRIBUTES QUESTIONS:

**Which time attributes should be used with Student Academic Period Measures & Multi Year Measures?**

* Student Academic Period Measures show headcounts and withdrawn rate for a specific academic period within an academic year. For example, 2010-2011 could include academic periods for Fall, Spring, Summer and each of those period would have a “like” (fall-fall) and a sequential (fall-spring) retention rates and headcounts. Must use an academic year and/or an academic period.
* Student Multi-Year Measures show 2-8 year retention and graduation headcounts and rates for a population based on the academic period first attended. Must use an anchor term, the academic period first attended must be selected to be the anchor academic period first attended for calculating these multi-year retention and graduation measures. Otherwise you are mixing multiple groups with different starting academic periods, resulting in inaccurate measures.
* Note: If you have modified the model to define this anchor term as Student Cohort, then the Student Cohort Start Term must be used as the anchor term

## YEAR TO YEAR & MULTI YEAR RETENTION QUESTIONS:

**Should I combine year-year or term-term retention metrics with multi-year retention rates in the same report?**

* No
* These measures should not be mixed because all multi-year retention rates are based on the anchored term delivered as academic period first attended.
* Only students that actually first attended in that academic period will be reflected in the multi-year rates whereas all students are reflected in the student academic period measures. Here’s an example of how applying an academic period first attended filter to a report enables these types of metrics to be viewed together: Multi-year rates will be relative to the academic period first attended (Fall 2010) and any academic period measures would apply only to the academic period Fall 2010.

## ACADEMIC PERIOD FIRST ATTENDED QUESTIONS:

**How is academic period first attended’ determined?  How would you handle students who are “summer scholars” who take courses in the summer prior to their first fall term?  What about high school students who take a single course in the fall prior to their starting as a full-time, degree seeking student?**

* Currently, the student’s academic period first attended is the first academic period with at least one course registration relative to the student’s level. If the institution wants to alter this logic then the cursor that determines the academic period first attended would need to be updated to include institutional criteria.

## MULTI YEAR RATES QUESTIONS:

**Who does these multi-year retention rates include?**

* These rates are calculated dynamically based on what student population you are looking at, based on the academic period first attended

## PERSISTENCE QUESTIONS:

**How could I look at persistence of sophomores or juniors over a period of time?**

* You could use student level to isolate these students and then look at for different academic years what the like and sequential retention rates are.  I created an example under your ad-hoc exercises folder.

## TIME FRAME for RETENTION METRICS QUESTIONS:

**Concerning multi-year measures – do these apply to any term in the next academic year or just for Fall if the 1st attended term is Fall and just Spring if the 1st attended is Spring. Example: would a person be retained into the second year if they were registered in the 1st attended term and any term in the following academic year or just the next Fall if 1st attended term was Fall?**

* For Retention (like/sequential), it is the later or the like academic period so if they started in Fall – it is Fall to Fall, if they started in Spring – it is Spring to Spring, etc.  Since normally the institution is reviewing those who start in a Fall, they may never look at the others but they are available if they care to see if persons starting second semester stay as long as those starting first.
* For Graduation, it is any academic period within the same academic year as the like academic period.  So if they started in Fall but graduated in their fourth year in either the Fall or Spring, etc. they would count as 4 Year Graduation Headcount.

## 

## MULTI YEAR GRADUATION HEADCOUNT QUESTIONS:

**Do the multi-year graduation headcounts only count awards for the primary program of the academic period first attended?  Does it count if I’m awarded a degree in a different program OR any degree in the same student level?**

* Anything related to Graduated – be it the Graduated Indicator, Graduated Headcount or multi-year retention graduated measures – is only based on graduating from the PRIMARY program.  If you graduate from a secondary program (and not your primary), you will appear as ‘not graduated’ – again, be it indicator, headcount or graduated related multi-year retention measures.

## EXCLUDED HEADCOUNT QUESTIONS:

**What criteria are used for excluded headcount for the retention headcounts?**

* Students can be excluded from retention and non-persister headcounts so that they are not factored into retention rate calculations. This population falls into the excluded headcount.
* Students are excluded from the retention measures if they meet any of these criteria:
* Deceased
* Graduated in the previous academic year
* Have either a student status or enrollment status specified for exclusion by the institution.
* The institution configures this parameter in the ODS/EDW administration console using the EDW EXTRACT PARAMETER EXCLUSION\_STATUS\_CODE rule, specifying whether the exclusion code should apply to the student status or the enrollment status. See the handbook for instructions on how to configure parameters in the ODS/EDW administration utility.

## EXCLUSION CRITERIA QUESTIONS:

**What if a student graduated end of Fall? Would he be excluded from Spring? For example he graduated in this academic year, not the previous as the above statement says.**

* Once a student graduates, they are not counted in the retained headcounts for subsequent terms. So in the example, the graduated student would not be included in the retained headcount, but rather included in the excluded headcount in the spring term. This would also carry forward to the following year (fall-to-fall).

## GRADUATION EXCULDED HEADCOUNT QUESTIONS:

**I know if a student is excluded for retention that it’s because they’re deceased or have one of the designated STST or ESTS code – does it mean the same for Graduation Excluded Headcount?**

* All exclusions are based on deceased date, or EDW Extract Parameter values of STVSTST and or STVESTS codes.  Retention Exclusion adds graduated ind.  Graduation exclusion does not since for multi-year the headcount is cumulative (ie graduation headcount for year1 + year2 + year3, etc.).

## RETENTION MULTI YEAR FACT:

* For the multi-year retention headcounts and rates (2-year,3-year,4-year etc…) for the academic period first attended (Fall of the academic year), the student would not be included in the retained headcount if in the following year their status has changed to a non-persister status, even if they returned in a subsequent year.
* If the student, though, only left for a term (i.e. the spring term) and then returned in the fall, then they would still be in the retained headcount for the academic period first attended population.

## RETENTION EXCLUSIONS QUESTIONS:

**Are exclusions temporary or permanent?**

* YES
* Retention exclusions are always considered temporary so if the numbers go up and down, it is worth checking any changes in the exclusions.
* Are the retention exclusions for any term in the academic year or just for Fall if 1st attended is Fall, Spring if Spring? Yes
* Each academic period is examined for exclusion (ie. if the STVSTST code is used for the exclusion the next student record would be examined if the code is still one that excludes the person they would be excluded in that academic period as well).

## REGISTERED HEADCOUNT QUESTIONS:

**For the registered headcount are we looking for a SFRCSTR record for a course with a current active registered status (not a course that is dropped)?**

* YES

## WITHDRAWN STATUS QUESTIONS:

**For withdrawn status, does the system look for either a withdrawal indicator or a third party withdrawal indicator?**

* Yes, it looks at both flags on STVRSTS

# STUDENT RETENTION (LIKE) / (SEQUENTIAL)

## RETENTION QUESTIONS:

**When a student withdraws from the institution and comes back in a later term, does that person show up as retained throughout those absent terms once they come back?**

* NO
* Any status that is outside the allowable status means the student is not going to be counted as retained for those periods in that status.
* A student is only considered retained in the “like” (following year) or “sequential” (following term) academic period if the student is registered in at least one course for an academic period AND in its “like” or “sequential” academic period.

# STUDENT RETENTION STATUSES

## STUDENT RETENTION STATUS QUESTIONS:

**How is the student retention statuses determined?**

* To be retained institutionally or by level, college, or program, the student must be registered in at least one course in the academic period and in its “like” or “sequential” academic period.
* In addition, the student will be retained in their level, program and college for any that remain unchanged from the academic period to its “like” or “sequential” academic period.

# 

# TERMINOLOGY



## Academic Outcome

Outcome is the Banner generic word that identifies the end result of study at an institution. The outcome may be a certificate, associate degree, bachelor degree, and so on. Student Retention Progress includes all academic outcomes whether sought or awarded along with their academic study data items.

## Academic Performance Query Subject

Attributes and measures that demonstrate how a student is performing in his/her study at the institution. Attributes will include all Credits, GPAs and all Academic Standing attributes.

## Academic Period GPA -

Is calculated as Quality Points/Credits for GPA for an academic period. Student's academic period GPA includes only institution completed student courses but not transfer courses within an academic period. Only courses whose level matches that of the student’s level are included in the calculation.

## Academic Standing

Academic Standing is based on Banner data that measure the student's academic performance for the previous timeframe. Banner rules define the credits and GPA data to be examined before assigning an academic standing value to the student. In the warehouse, we track two values for academic standing - beginning and end academic standing (examples include - good standing, probation 1, probation 2, dismissed). The beginning academic standing will be the overridden academic standing from the student's general student record or when one does not exist, the one in history. The end academic standing will always be the one stored for the academic period in history.

## Academic Study

Data model label used to group a student's program, course of study or curriculum. Student Retention Performance includes only the primary curriculum associated with the student record for each academic period. Note: PM Analysis Student Progress includes the primary curriculum from academic period admit.

## Academic Time

Time attributes relative to the academic calendar, academic year and academic period. They set the time frame for most comparison reporting done in the package.

## Academic Year

Academic Year is a Banner attribute of the academic period. An academic year is made up of multiple academic periods which are usually 2 semesters, 3 trimesters or 4 quarters that make up the 'typical' school year.

## Academic Year GPA

## A metric calculated as Quality Points/Credits for GPA for all the academic periods within an academic year. All course types and levels are included in the calculation

## Ad hoc reports

Reports that are created without advance notice; created at the moment they are needed. They can contain trends, summaries or detail, and can be sorted, grouped, summarized and filtered using many different data fields. Ad hoc reports are often created by business users.

## Advisor

All advisors assigned to the student by academic period using the Banner Advisor Assignment Form (SGAADVR) for an academic period. The advisor assigned marked with a primary advisor indicator = 'Yes' is known as the Primary Advisor.

## Aggregate Table

Database table that begins with 'WAT' that combines the data from multiple fact tables streamline their use in the Cognos FM Model and improve performance..

## Business Concept

A logical (or functional) grouping of data that supports the reporting requirements of the business. A business concept usually is represented by a Cognos FM Model that may be published as one or more Cognos Packages to be used to create reports.

## Campaign Goal

The desired outcome of a campaign, such as to increase the diversity of the student body or to attract and enroll more out-of state students or provide services who have been placed on probation. Analyze Student Engagement campaign data is sourced from Banner Relationship Management.

## Campaign Status

The status of a campaign identifies the steps from the initial definition of the campaign record through the completion of the graphical model associated with the campaign. Campaign statuses may include stopped, completed, and ready. Analyze Student Engagement campaign data is sourced from Banner Relationship Management.

## Campus Engagement and Activities Participant

This will be a set of attributes that display by academic period Banner Activities, Banner Athletic Competition (sports association), Advisor Assignments, Banner Contacts, BRM Campaign, Communication and Interactions.

## Cognos Package

Cognos end user layer which represents the data included in a business concept that is used to create reports.

## Cohort

See Student Cohort.

## College Retention Rate

The measure of college retention rate will be the number of students who register in a college (academic study attribute College) in the latter academic period / (the number of students who registered in that college for the former academic period minus any who should be excluded in that college). This may be Like (Fall to Fall) or Sequential (Fall to Spring), former and latter academic periods.

## Communication Template

A communication template is a BRM concept and is used to produce and send a large number of similarly formatted communications to a group of individuals. Within a campaign, communication templates are included using the MCC activity type.

## Contacts with Advisors, Faculty, Financial Aid

Data includes Banner Contacts and Banner Relationship Management Interaction data.

## Course Credits

Credits as determined by the final grade associated with the individual student course.

## Course Drop Rate

This is the number of students who were registered for a course but now have a course registration status where the count in enrolled indicator equal to 'No'. This is information stored in Banner at the student course level not at the student enrollment level.

## Course Failed Rate

This is the number of students who receive a grade that does not add to Credits Passed in a specific Course Identification (Subject and Course number)/ number of students whose grade counted in credits attempted.

## Course Initial Registered Count

Student who has or had a course registration status with an indicator to count the student as registered in the student course (Course Identification). The count of Course Registered plus Course Dropped plus Course Withdrawn Count will equal the Course Initial Registered Count. This count may be used with the Registered by Census indicator to determine the number registered as of the Census Date.

## Course Passed Rate

This is the number of students who receive a grade that adds to Credits Passed / number of students whose grade counted in credits attempted.

## Course Registered Count

Student with a course registration status with an indicator to count as enrolled for a specified course (Course Identification). This count may be used with the Registered by Census indicator to determine the number registered as of the Census Date.

## Course Withdrawn Rate

This is the number of students who were registered for a course but now have a course registration status where the withdrawn indicator equal to 'Yes'/ number of students who initially registered.

## Cube

A cube is a three dimensional storage of data that increases speed for analysis of data. Performance products are delivered with at least one Cognos cube per published package. Cubes are basically pre-calculated data that you can rearrange and reformat into multiple summary or trend reports.

## Cumulative Credits

Subset of student total credits as determined by the grades associated with all student courses through the academic period reported.

## Cumulative GPA

A metric calculated as Cumulative Quality Points / Cumulative Credits for GPA for all the academic periods attended by the student through the academic period being reported. This is an accumulating measure for each academic period.

## Demographics

Demographic attributes include Gender, Minority (Race/Ethnicity), Traditional Age, Citizenship, Veteran, Legacy, etc.

## Developmental Course

Student Courses are loaded as developmental courses using institution defined EDW Extract parameter that identifies the student course attribute(s) associated with a course which is considered remedial or developmental.

## Dimension Table

A database table that begins with WDT and stores related sets of attributes that may be associated with one or more fact tables in the data warehouse.

## Diversity

Diversity is the set of person demographic attributes and indicators that may be used to group students. These attributes include Gender, Minority (Race/Ethnicity), Traditional Age, Residency Citizenship, Veteran, International Student, Legacy.

## Drop Rate

See Course Drop Rate.

## EDW Extract Parameter

Values entered via the Admin UI by the institution prior to the initial data load which defines the way data is loaded in the data warehouse tables. These must be reviewed and set prior to executing any of the jobs to load the data into the data warehouse.

## EM Campaign

A pre-defined sequence of activities designed to achieve a specific goal. The focus of a campaign is a communication plan that is directed towards people and organizations. It may have fixed or relative dates. A fixed date is a specific designated date and time, such as October 12, 2008 at 1:00 am. A relative date is a date and time that is expressed in relationship to another date/time, and is specified by a date/time interval, such as two weeks later. EM Campaign data is sourced from Banner Enrollment Management.

## Enrolled Headcount

This is a distinct person count of all students for the specified academic period with an enrollment status where the effect headcount indicator on STVESTS is “Y”es.

## Enrolled Ind

Identifies a student (SGBSTDN) record where the student has an enrollment record (SFBETRM) for the academic period or if no enrollment record then a term record (SHRTTRM) or registration activity (SFAREGS) for that academic period. The student may or may not have registration in the academic period. This does not check the student level, so if used in a headcount of students, the attribute student level must be used in the report.

## Excluded Headcount

A distinct count of students who meet one or more of the exclusion criteria; if they are deceased, graduated in the previous academic year or have either a student status or enrollment status specified by the institution in the EDW EXTRACT PARAMETER EXCLUSION\_STATUS\_CODE rule.

## Exclusion

Students who may be removed (deleted) from the divisor when calculating a retention or graduation rate. Students are excluded because they are deceased, graduated or have been called into active military service, service with a foreign aid service of the federal government, such as the Peace Corps; or service on official church missions. Students with these exclusions are identified using an institution defined EDW Extract parameter that identifies the student statuses (STVSTST) or enrollment statuses (STVESTS) that identify students who should be excluded when calculating retention rates.

## Fact Table

A database table that begins with 'WFT' that stores all of the measures related to a concept defined in a star schema. There will be one or many dimension tables associated with a fact table defined to the data warehouse.

## Faculty

Faculty is represented by two groups of persons added to the business concept. One is the advisors which are added to Banner as faculty information with an advisor flag = 'Yes' and assigned to a student. The second is added to Banner as an instructor with a faculty flag = 'Yes' and assigned as an instructor for a student course within an academic period.

## Field of Study

Is the portion of the student’s curriculum that identifies the major or minor subject emphasis. Currently only the first and second major for the primary curriculum are brought into the warehouse.

## Financial Aid Need Classifications

Attributes that classify students as Financial Aid Applicant, Need Eligible Ind, Need Met Ind and indicators of if there was an Aid Offered, Aid Accepted, Aid Paid. Measures with the percent of the aid offered by financial aid source or type are provided. Other data may be included in future releases.

## Financial Aid Source

Attributes of financial aid offered sources; institution, federal, state, other.

## Financial Aid Type

Attributes of financial aid types; grant, loan, scholarship, work.

## FM Model

Cognos metadata layer which is usually represents a business concept and is delivered as one or more packages.

## Geographic Region/Postal

An institutional assigned geographic division, geographic region, city, state/province, county and nation based on a student, secondary school and post-secondary school address.

## Graduated Headcount

This is a distinct count of all students with an outcome awarded indicator of “Yes” for the primary program of the specified academic period. Is an unduplicated headcount of students who have an academic outcome awarded indicator equal to Yes for the academic period used on the report. Persons must have Banner SHRDGMR record with an academic period graduation recorded to be included in this headcount (SHRDGMR\_DEGS\_CODE with the STVDEGS\_AWARD\_STATUS\_IND = 'A').

## Headcount

A distinct count of persons (for example, if an applicant applies more than once, the headcount option only counts the person one time and if a person has registered for multiple academic periods within the year the total registered is the unduplicated headcount).

## Highest Test Score

Test (code) that identifies the test score as defined by the institution in the EDW Load parameter value when data was moved to the warehouse. Values will be defined for a Graduate Test 1 & 2, Placement Test 1 & 2, Math, Language and some standard scores like ACT Composite and SAT Combined, etc. See EDW Extract Parameters for details.

## Major Change Count

Number of different first major on the priority or primary academic study record over time from the academic period first attended through the academic period last attended.

## Manual Interaction

A manual interaction is created in the Banner Relationship Management product. A manually entered BRM interaction will have an Interaction Source = "Manually Entered" and an Integration Category of "Manual" or any other category code the client may create for "manual interactions". Examples are Advising, Mentorship, Tutoring, Financial, etc.

## Non Persister Headcount

Is a count distinct of persons using the formula (initial registered headcount – registered headcount – excluded headcount).

## Non Persister Rate

Is a count distinct of persons using the formula (non-persister headcount/(initial registered headcount – excluded headcount)).

## Outcome Credits

Is a subset of a student’s total credits as determined by the grades associated with courses used to complete requirements and used to calculate GPA of an outcome.

## Parameter Map

Values entered via the Admin UI by the institution to define the way data is displayed in the Cognos packages. While these values may be changed at any time and reflected immediately via the Cognos Connection, it is recommended that these be reviewed and set during data setup for the warehouse.

## Performance Chart

A performance chart is a graphic report built with Report Studio, and designed to fit in one of the dashboard report sections. Several different performance charts are delivered with the product.

## Persisted

This is an indication of whether the student who was here in the previous academic period is here in the next or like academic period. There are a number of attributes in the Student Retention Performance packages that give this information but do not have this specific label. See Retention Status and the various headcounts provide.

## Post-Secondary School

All Post-Secondary Schools attended including your own institution are available in the Performance package. Attributes of Latest Post-Secondary Ind = 'Yes' identifies the last Post-Secondary school attended by the student recorded on Banner SOAPCOL or SHATRNS.

## Post-Secondary School Characteristics

This will identify this institution as either public vs. private or 2 year or 4 year. The Banner source background characteristic codes defined by the institution must be defined as EDW Extract Parameters for this data to be available.

## Post-Secondary School last attended

This attribute will identify the last Post-Secondary school previously attended by the student recorded on Banner SOAPCOL or SHATRNS identified by the latest attendance period.

## Program Retention Rate

The measure of program retention rate will be the number of students in a program (academic study attribute Program) in the latter academic period / (the number of students in that same program for the former academic period minus any who should be excluded in that program). This may be Like (Fall to Fall) or Sequential (Fall to Spring).

## Quality Attributes

Pre-student academic quality measures (academic ability) include Secondary School GPA, Secondary School Percentile, ACT Composite, SAT Combined test scores other institution specified Tests. These may also include Transfer Credits & Ranges and Transfer GPA & Ranges as applicable.

## Registered Headcount

A distinct count of persons for the specified academic period with at least one course section with a registration status where that has the include-in-section enrollment flag is “Y”es on STVRSTS.

## Registered Ind

Is the indicator which identifies a student that has registration in the academic period for at least one student course (SFRSTCR).

## Remedial courses

See developmental courses.

## Retention Ind

Attributes referred to as 'Retention' Ind equal to 'Yes' identify when the student is registered for a start and then the next academic period. There are a variety of these in Student Retention Performance that measure from an academic period to a like or sequential or from an academic period first attended.

## Retention Headcount

A count distinct of all students (by person\_uid) who have registration in the specified academic period, who also had registration in the “like” or “sequential” academic period. The initial registered headcount refers to the first academic period attended and the registered headcount refers to the “like” or “sequential” academic period.

## Retention Rate

Measure referred to as 'Retention' Rate uses the 'Retention' Ind equal to 'Yes' to identify when the student is registered in one and then the next academic period. There are a variety of these in Student Retention Performance that measure from an academic period like or sequential or from an academic period first attended.

This measure the number of students who have a registration status that counts in enrolled for the next academic period / number of students who have a registration status that counts in enrolled in the first academic period minus any excluded students. Formula: (retention headcount / (initial registered headcount – excluded headcount)).

## Retention Status

Attributes referred to as 'Retention' Status identifies when the student is registered in one academic period and if they were excluded, retained or not retained for the next academic period. There are a variety of these in Student Retention Performance that measure from an academic period to a like or sequential or from an academic period first attended.

## Secondary School Characteristics

This will identify this institution as either public vs. private or representing homeschooled. The Banner source background characteristic codes defined by the institution must be defined as EDW Extract Parameters for this data to be available.

## Snapshot

Data warehouse tables that are 'frozen' in time. Snapshots capture data for specific events (such as Early Decision) or on a recurring calendar basis (for example, daily, weekly, monthly). Snapshot tables are designed to support longitudinal reporting and scorecards. Reports that show results over time are easily created from snapshots. Snapshots also contain measures that are normally loaded into Scorecard KPI 'actual' values. The snapshot will always add an event dimension key and sometimes other qualifiers like a date range.

## Student Attribute

Institution defined student attributes recorded in Banner for the student by academic period to track special characteristics used to identify and segregate students for reporting.

## Student Classification

Student classification attribute normally defined as first year, second year, third year, freshman, sophomore, etc., as the student begins the academic period.

## Student Cohort

Institution defined student cohorts recorded in Banner for the student by academic period. For example, the cohort may be the Fall 2010 Bachelor of Science Students or any other group that the institution wants to track from admission to graduation.

## Student Cohort Graduation Headcount

This measure is the unduplicated number of students who have a student cohort and an academic outcome awarded indicator equal to 'Yes' where the Outcome Awarded Academic Period is an exact match to the end term for the cohort.  This logic in Banner was designed for a federal reporting purpose ‘Student Right to Know’, which measures graduation rates and expectancy to be published for potential students.

## Student Cohort Graduation Rate

This measure is the number of student cohort graduated /by the number of persons expected to complete an outcome (student cohort graduation status equal 'Expected').

## Student Cohort Graduation Status

Institution defined student cohorts defined in Banner with a cohort end academic period will have a calculated graduation status in the warehouse. Student will either be Not Expected, Expected or Past Expected as a graduation status by comparing the student cohort academic period end to the academic period placed in the warehouse.

## Student Course Query Subject

This query subject includes all student courses in progress, completed and/or transferred with student specific details such as the final grade and credits. Attributes include course data such as course identification, subject, course number, section detail like schedule type, instructional method, session and meeting days and times, primary instructor, initial registration status date, current registration status and date. Measures include course headcounts and rates, credits and GPA.

## Student Engagement

Measures and attributes that analyze how engaged the student is with and by the institution. Data includes all interactions (manual, Banner contact, communication, and campaigns), activities, athletics, advisor assignment, etc.

## Student Financials

This will include a subset of the data used for financial aid needs analysis. These attributes would include some federal and institutional methodology data as well as indicators that may be used to determine if the financial assistance offered to the student may have an impact on their retention. See business concept details.

## Student Headcount

An unduplicated count of persons who are eligible to enroll or have a SGBSTDN\_STST\_CODE with a Permit to Enroll Ind = 'Yes' or have course registration in the academic period. When looking at Student Academic Period Measures the Student Headcount should equal the Registered Headcount + Withdrawn Headcount + Student Not Registered Headcount when all Banner indicators are set as expected.

## Student Level

Attribute that identifies the student level associated with the student’s academic study record.

## Student Level Retention Rate

The measure of student level retention rate will be the number of students who register in a student level (academic study attribute Student Level) in the latter academic period / (the number of students who registered in that student level for the former academic period minus any who should be excluded in that student level). This may be Like (Fall to Fall) or Sequential (Fall to Spring), former and latter academic periods.

## Student Not Registered Headcount

Unduplicated count of persons who are eligible to enroll or have a SGBSTDN\_STST\_CODE with a Permit to Enroll Ind = ‘Yes’ who do not have any enrollment or registration activity for the academic period (no Banner SFBETRM or SHRTTRM records) and are not registered. Is determined using the formula (student headcount – registered headcount – withdrawn headcount).

## Student Cohort Graduation Headcount

Unduplicated headcount of students for a specific Student Cohort, where the academic period used in the report and the graduation academic period are equal to the Student Cohort End Academic Period. The student is counted as a student cohort graduate based on an exact match to the Student Cohort End Academic Period.

## Student Cohort Graduation Rate

The student cohort graduation rate is calculated as: Number of student cohort graduated/number of persons expected to complete an outcome (student cohort graduation status equal 'Expected').

## Student Performance

See Academic Performance

## Student Population

Attribute that identifies the Banner student type normally defined as new first time, transfer, continuing, etc.

## Student Retention Rate

See Retention Rate.

## Student Retention Status

This attribute has one of the following three values (Retained, Not Retained, Excluded) for each student that identify whether the student counts in the overall, student level, program and or college retention headcount for the Retention Period (like or sequential).

## Student Status Indicators

Includes a set of indicators that may be used to divide and classify student numbers and to analyze students by common attributes, for example, students with housing assignments, applying for an outcome (degree), new students for the academic period, etc.

## Summary Report

A report format that contains aggregated summary numbers, counts, ratios or percentages. Usually summary reports display aggregated values grouped and sorted by a set of specific attributes such as Funnel Status, demographics, ranges of academic scores or diversity categories.

## Total Credits

Subset of student total credits as determined by the grades associated with all student courses for all academic periods.

## Trend Report

A report format which shows summary results over time (for example, weekly, monthly, academic periods, academic years). Trend reports are used to document changes in outcomes over time. Often they are used during a planning phase to understand previous results before setting goals and objectives for future campaigns or initiatives.

## Withdrawn Headcount

A count distinct of students who had an enrolled indicator of 'Yes' for the academic period but now has an Enrollment Status with either withdrawn indicator equal to 'Yes'.