

DATA WAREHOUSE
STUDENT DATA USER GROUP
JANUARY 13, 2022

Remote Meetings Best Practices

- Turn off your video function
- Please go on **Mute** unless you are speaking
- Please **enter your questions in the chat function**. We will pause periodically throughout today's meeting to take questions. When your question is being answered, you can go off **Mute** to ask follow-up questions.

Agenda

- Recent changes
- 2022: Go-Live and beyond
- Rewriting queries: a sample demonstration
- A look at some of the new reports in the Pennant Student Records public folder
- Upcoming meetings

Recent changes to Pennant Student Records in the warehouse

- Course Section Registration restriction tables: Include/Exclude indicators are now populated.

CRSE_SECT_RSTR_MAJ

CRN	TERM	COURSE_ID	SECTION_NUM	INCL_EXCL_IND	MAJ_MIN_TYPE	MAJ_MIN_CODE	MAJ_MIN_DESC
66106	202230	MUSC1400	401	I	MAJOR	AFRC	Africana Studies
66106	202230	MUSC1400	401	I	MINOR	MUSC	Music
66106	202230	MUSC1400	401	I	MINOR	JAZZ	Jazz & Popular Music Studies

CRSE_SECT_RSTR_PROG

CRN	TERM	COURSE_ID	SECTION_NUM	INCL_EXCL_IND	PROGRAM_CODE	PROGRAM_DESC
40601	202220	NURS6070	900	E	NU_BSN_NAP	NU Bachelor of Sci in Nursing
40753	202220	NURS6070	901	I	NU_BSN_NAP	NU Bachelor of Sci in Nursing

CRSE_SECT_RSTR_LEVEL

CRN	TERM	COUR...	SECTION_NUM	INCL_EXCL_IND	LEVEL_CODE	LEVEL_DESC
60544	202230	CIMS3931	401	E	GR	Graduate/Research
65448	202230	CIMS3940	401	E	GR	Graduate/Research
65443	202230	CIMS5730	401	I	GR	Graduate/Research
60534	202230	CIMS5933	401	E	UG	Undergraduate

Recent changes to Pennant Student Records in the warehouse

- CRSE_SECT_RESERVE_SEAT: New table deployed to production.

TERM	COURSE_REF_NUM	RESV_SEQ_NO	SECTION_ID	RESERVATION_TYPE	SEATS	RESV_TYPE_SEATS_ENRLD	RESV_TYPE_SEATS_AVAIL	MAX_SEATS_FOR_SECTION	OVERFLOW_IND	LEVEL_CODE	MAJOR
202220	40754	1	NURS5400900	unreserved	8	0	8	40	N		
202220	40754	3	NURS5400900	reserved	5	0	5	40	Y		NADM
202220	40754	2	NURS5400900	reserved	5	0	5	40	Y		HLMP
202220	40754	4	NURS5400900	reserved	22	0	22	40	Y	PR	

- At most, 1 “unreserved” reservation per term/CRN.
- Many “reserved” reservations per term/CRN are possible.
- “reserved” reservations possible by: Level_Code, Major, Minor, Classification, Campus, Division, Degree_code, Program_Code, Department, Admit_term, Matric_term, Attribute_code, Cohort, Grad_term, Pri_Sec

Recent changes to Pennant Student Records in the warehouse

- **CRSE_SECTION.LINK_CONN**: When a course section is linked to more than one other section, the link connector will have all the related sections' link connector, separated by commas.

TERM	COURSE_ID	SECTION_NUM	SCHEDULE_TYPE	TITLE	LINK_ID	LINK_CONN	GRADABLE_IND
202230	BIOL1101	001	LEC	Introduction to Biology A	A1	B1,C1	Y
202230	BIOL1101	201	REC	Introduction to Biology A	B1	A1	N
202230	BIOL1101	101	LAB	Introduction to Biology A	C1	A1	N

Recent changes to Pennant Student Records in the warehouse

- APPROVED_ACADEMIC_PROGRAM: name change for the STUDENT_LEVEL_CODE column, and a correction made to how we are getting the SCHOOL_CODE.
- PENN_CLASSIFICATION in ST_DEGREE_TERM: corrected to show the 'PC%' attributes for undergraduate on the undergrad curricula only.
- PENN_CLASSIFICATION was added to ST_DEGREE_PURSUAL.
- ST_ENROLLMENT.GRADABLE_IND: For enrollments in terms prior to Summer 2022, this column will be null (similar to other columns in this table for terms prior to 202220).

2022: Go-Live and beyond

- Keep an eye out for official project announcements and news (via the Almanac, Pennant Records Advisory Group, NGSS website, etc.)
- For warehouse users: a “rolling” deployment starting in mid-March
 - Continue to use SDTDCANQ and legacy data for Spring 2022 enrollment and course sections through the end of the term. Also use the legacy data for Spring graduation reporting.
 - After Go-Live (mid-March): the new collection becomes available with converted data in addition to Release 1 data.
 - After Advance Registration: start using Pennant Student Records for Summer 2022 and Fall 2022 enrollment.
 - Some data collections related to student data will roll out later than mid-March, and we expect changes and additions to continue well beyond Go-Live.

Rewriting warehouse queries

- By now, you should have started looking at the new Pennant Student Records data collection in the warehouse, and start to re-write your reports
 - Business Objects users:
 - Pennant Student Records** universe for course and course section data
 - Pennant Student Records – DWHE** universe for everything else (until after Go-Live in March)
 - People who write their own SQL:
 - WHSE for course and course section data, DWHE for everything else
 - Tables and views in the DWNGSS_PS schema
 - Validation tables and views in the DWNGSS schema

Example of how to rebuild a Webi query

1. Open the existing query that points to STDTCANQ
2. Start up a new query that points to Pennant Student Records – DWHE, and begin building. Be aware that you need to keep both windows “active” to avoid timeouts.
3. You will probably want to have some reference materials open at the same time while you are working:
 - Use the old-to-new mapping documentation to help with finding where things are now located https://provider.www.upenn.edu/computing/da/dw/pennant-student-records/old_to_new.html
 - Decide if there are new data elements you want to include
 - Refer to the table documentation and training digests for additional help
 - If you get stuck, write to us at da-staff@isc.upenn.edu

Demonstration

Re-building the Student Degree List report, with expected degree term, curriculum, and bio/demo information

The screenshot displays a data tool interface with three main sections:

- Universe outline:** Shows a tree view under "Pennant Student Records - DWHE" with a "Student" folder containing various attributes such as "Active Duty Sepr Date (Stdnt)", "Birth Date (Stdnt)", "Citizen Code (Stdnt)", "Confidentiality Ind (Stdnt)", "Deceased (Stdnt)", "Deceased Date (Stdnt)", "Disabled Veteran (Stdnt)", "Ethnicity (Stdnt)", "Ethnicity Desc (Stdnt)", "Gender (Stdnt)", "Name (Stdnt)", "First Name (Stdnt)", "Last Name (Stdnt)", "Middle Name (Stdnt)", "Name Prefix (Stdnt)", "Marital Status (Stdnt)", "Penn ID (Stdnt)", and "Pennkey (Stdnt)".
- Result Objects:** A grid of fields including "Penn ID (DP)", "Confidentiality Ind (Stdnt)", "First Name (Stdnt)", "Middle Name (Stdnt)", "Last Name (Stdnt)", "Name (Stdnt)", "Exp Grad Term (DP)", "Division Desc (DP)", "Degree Pursued (DP)", "Degree Desc (DP)", "Primary Major (DP)", "Pri Major Desc (DP)", "Pri Maj Concentration (DP)", "Pri Maj Concentrtn De", "Email Address (Email)", "First Name (NamOth)", "Middle Name (NamOth)", "Last Name (NamOth)", "Name Type (NamOth)", "Long Name (NamOth)", "Rollup Race Desc (Stdnt)", and "Citizen Code (Stdnt)".
- Query Filters:** A section with an "AND" operator and several filter conditions:
 - "Exp Grad Term (DP) In List Enter value(s) for Exp Grad Te"
 - "Division (DP) In List Enter value(s) for Division (D)"
 - "Preferred Ind (Email) Equal to Y"
 - "Term (DT) Equal to Last Enrolled Term (DP)"
 - "Curric On Leave This Term (DT) Is Null"

Re-pointing a query from test to prod

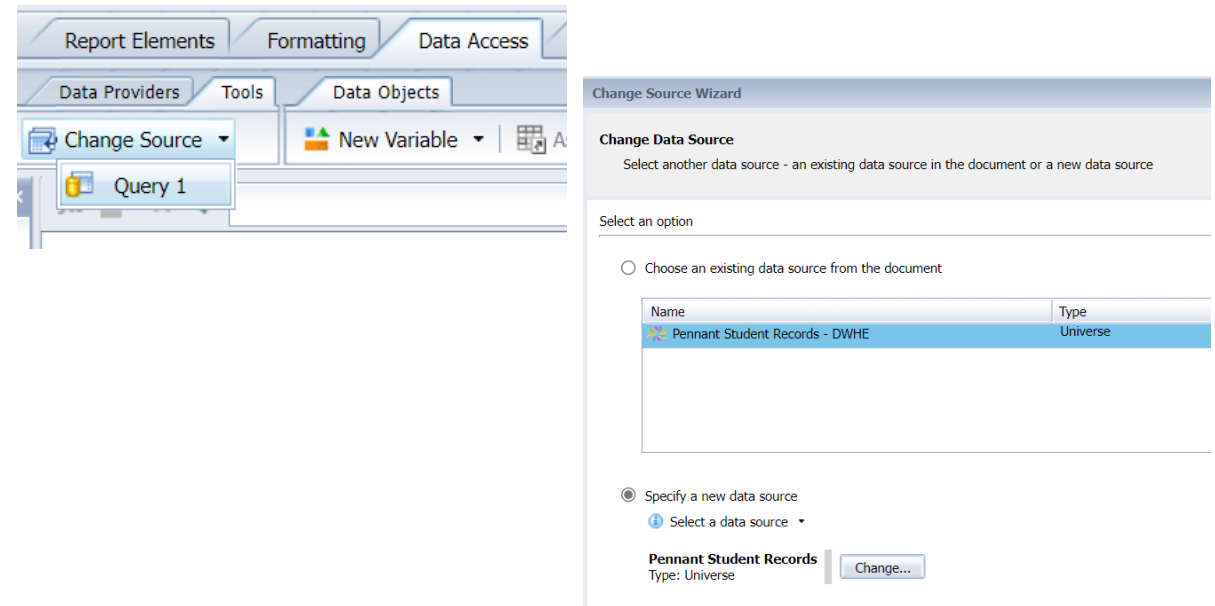
While you cannot simply lift and move a STDTCANQ query to the completely new universe... you CAN re-point a query from the test to the production versions of Pennant Student Records

In other words, you can start to create queries now in *Pennant Student Records – DWHE* and once we have the student tables populated in production, you can change them to use *Pennant Student Records*:

From the Data Access tab, select Tools, Change Source, then click the radio button for “Specify a new data source”

Select Universe as the type of source, and then select the name of the universe you want to use from the available list.

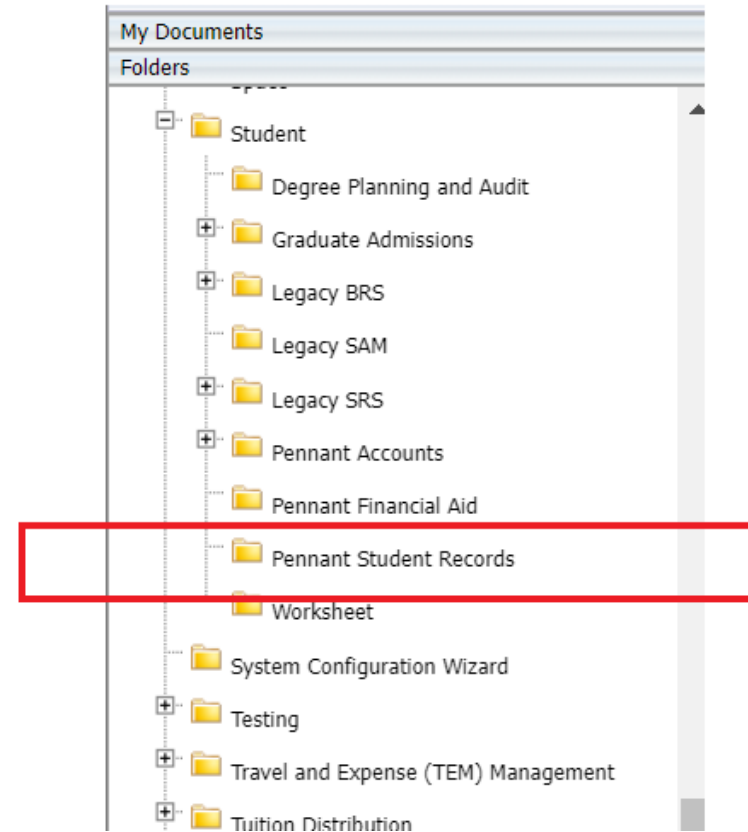
Click Next, 3 times, and refresh your query.



Pennant Student Records public reports

In the public Folders, inside the Pennant Student Records folder under “Student”

Reports in this folder use the warehouse student data that is refreshed nightly.



Pennant Student Records public reports

- The library of reports in this folder will grow over time.
- Please send comments and questions about the public reports to da-staff@isc.upenn.edu
- For now, we are trying to keep the student-wh@lists.upenn.edu for announcements. There will be lots of announcements in the coming months!
 - You can still use the list to ask data questions, particularly if it is a question that might be of interest to a wider audience. This is a moderated list, so you will receive an automated reply. Once it is approved, you'll see your message come through in an email to the whole list.
 - We try to keep the “noise” on this list to a minimum, so we may re-direct your question if appropriate.

Upcoming meetings

- February 10th, 11:30 am – 12:30 pm
- March SDUG meeting date/time: tbd
- April and beyond: meeting monthly

Wrap-up

- Questions/comments
- Follow-up questions/comments: da-staff@isc.upenn.edu
- Discussions about student data: student-wh@lists.upenn.edu