

DATA WAREHOUSE

STUDENT DATA USER GROUP

MARCH 25, 2021

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# Remote Meetings Best Practices

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- Turn off your BlueJeans video function
- Please go on **Mute** unless you are speaking
- Please **enter your questions in the chat function**. When your question is being answered, you can go off **Mute** to ask follow-up questions
- Please do not use the chat function for off-topic discussions

# Agenda

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- Welcome
- Pennant Student Records data collection:  
    Navigating cross-walk tables
- Call for queries
- Wrap-up

# Cross-walks

## New vs. Old data values

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- Many of the codes used in SRS are changing when we move to Pennant
- In most situations where codes have changed, you won't see the old codes in Pennant, but we will have cross-walks in the warehouse where you will be able to find the mapping of old-to-new
- Some fields in Pennant are derived from multiple source fields in SRS. Some SRS fields are converting into more than one place in Pennant
- ...Cross-walk tables plus documentation will explain how things were converted

## There are essentially three cross-walk “types”

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### 1. Cross-walks that provide look-ups to get the old values

The data in Pennant will have the *new* codes on all records.

If the old code is really needed on a report, you can join to the warehouse table that contains the old-to-new values.

### 2. Cross-walks that explain how things got converted

The data in Pennant will have the *new* codes on all records.

The cross-walks and documentation will show you how the data were converted.

### 3. Cross-walks that are for longitudinal reporting

For just this type of cross-walk, the data in Pennant will have the *new value on new records, and the old value on old records.*

You will need the cross-walk to compare things across terms (going back to older terms).

# 1. Cross-walks that provide look-ups to get old values

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- The data in Pennant will have the *new* codes on all records.
- If it's really needed, you can join to the warehouse cross-walk tables to display the old SRS value, and get the descriptions. **Examples:**
  - School and Division codes
  - Degree and Coordinated Multi degree codes (formerly known as "Joint Degree")
  - Major, Minor, Concentration codes
  - Institution codes
  - Athletic participation codes

## Cross-walk type #1 continued

Often the old-to-new values can be found in the validation tables (labeled “legacy”), and no additional cross-walk will be needed.

DIVISION_...	LEGACY_DIVISION_CODE	DIVISION_DESC_LONG
AE	SPC	English Language Programs
AL	CGS	College of Liberal and Professional Studies Undergraduate Traditional
AP	GAS	Graduate Arts & Sciences
AS	SS	Summer Sessions
AU	COL	College of Arts & Sciences
CM	ASC	Annenberg Center for the Performing Arts Masters
CP	ASP	Annenberg Center for the Performing Arts Doctoral
DM	DEN	Dental Medicine
DY	DPH	Dental Medicine Post Grad
EM	GEN	School of Engineering and Applied Science Masters
EP	GEP	School of Engineering and Applied Science Doctoral
EU	EAS	School of Engineering and Applied Science Undergraduate

Remember: for most things, all of the data in Pennant Student Records will have the new codes. The old-to-new information is stored in the warehouse to just help you get acclimated.

The screenshot shows a data query tool interface. On the left is the 'Universe outline' with a tree view under 'Master perspective'. The tree includes folders for 'V Degree', 'V Degree Desc History', 'V Degree Level', 'V Degree Status', 'V Deg Dept Honors', 'V Deg Dept Honr Desc History', 'V Department', 'V Dept Desc History', and 'V Division'. Under 'V Division', several fields are listed, including 'Legacy Division Code (V\_Div)'. On the right, the 'Result Objects' section shows four fields: 'Penn ID (ST)', 'Term (ST)', 'Primary Division (ST)', and 'Legacy Division Code (V\_Div)'. The 'Legacy Division Code (V\_Div)' field is highlighted with a dashed border. Below this, the 'Query Filters' section shows two filters: 'Primary Division (ST) Equal to Division Code (V\_Div)' and 'Term (ST) Equal to 202030'. To the right of the interface is a data table with four columns: 'Penn ID (ST)', 'Term (ST)', 'Primary Divis', and 'Legacy Divis'. The table contains ten rows of data.

Penn ID (ST)	Term (ST)	Primary Divis	Legacy Divis
10000048	202030	WU	WH
10000109	202030	AU	COL
10000269	202030	AL	CGS
10000303	202030	WU	WH
10000312	202030	GP	EDP
10000475	202030	AU	COL
10000494	202030	WM	WHG
10000783	202030	NU	NUR
10000863	202030	AU	COL
10001121	202030	AP	GAS

If for some reason you want to get the old code, you can join to the table that has the old-to-new codes, matching on the code, to get what you want to display on your report...



## 2. Cross-walks that explain how things got converted into Banner

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- The data in Pennant will have the *new* codes on all records.
- The documentation will show you how the data were converted.
- In some cases, these more complex cross-walks have a single SRS field that maps into various fields in Pennant. An example of this type of cross-walk is the Special Program cross-walk.
- In some cases, a complex cross-walk table will have multiple SRS fields, and various combinations of those legacy fields map to a single Pennant field. An example of this type of cross-walk is the Admit Codes cross-walk.

## Special Programs – a “special” type of cross-walk

- As discussed at our last Student Data User Group meeting, SRS Special Programs are converting into various places in Pennant, depending on their function or purpose:

SPECIAL_PROGRAM_CODE	SPECIAL_PROGRAM_NAME_IN_SRS	STUDENT_ATTRIBUTE	STUDENT_COHORT	RATE	SITE	PROGRAM	ADMIT_CODE
ABJ	PENN-IN-BEIJING			FREE	ABJ		
BAA	STUDY ABROAD AT ARCH. ASSOC. SCHOOL			STDYB	BAA		
BAB	STUDY ABROAD ACC BEIJING CHINA			STDYB	BAB		
BAF	STUDY ABROAD OTS ECOLOGY AND CONSER			STDYB	BAF		
CBD	BEHAVIORAL AND DECISION SCIENCES					AM_MBDS	
CBE	MASTERS OF BIOETHICS					AM_MBE	
CBP	MASTERS OF BIOETHICS/PROVISIONAL	PVAD				AM_MBE	
CCW	CERTIFICATE IN CREATIVE WRITING					AB_CRT_UG_OL	
EAP	ASPIRING PRINCIPALS			GMEAP			
EFF	TEACHER EDUCATION			GMEFF			
EHI	HIGHER EDUCATION			GMEHI			
FEX	FOREIGN EXCHANGE STUDENT			FREE	FEX		
FLO	LONDON BUSINESS SCHOOL, U.K.			FREE	FLO		
LWC	LAW/WHARTON GRAD CERTIFICATE PROGRAM		LWWGCERT				
LWG	LAW CERTIFICATE - GRADUATE STUDENT		LWGRADST				
MED	MEDICAL EDUCATOR			GMMED			
NAP	ACCELERATED NURSING STUDENTS					NU_BSN_NAP	NA

## Admit Codes – another “special” type of crosswalk

- A combination of SRS division and/or degree and/or entry action and/or undergraduate admissions fields determined what was converted into the Banner Admit Code:

SRS_DIVISION_CODE	SRS_ENTRY_ACTION_CODE	RECRUITEMENT_PROGRAM	APPLICANT_TYPE	SRS_DEGREE	SRS_SPECIAL_PROGRAM	BANNER_ADMIT_CODE
NUR					NAP	NA
	DD			MLA		DD
	AT			MLA		GT
	AD			MLA		GA
COL	AD	P	1			QB
COL	AD	Q	1			QB
COL	AD	P	2			QB
COL	AD	Q	2			QB
COL	AD	P	3			QB
COL	AD	Q	3			QB
COL	AD	P	4			QB
COL	AD	Q	4			QB

## Admit Codes, continued

LOV table in Banner: STVADMT

LOV table in the warehouse: V\_ADMIT\_TYPE

DD	Dual Degree Admit	JD	Joint Degree Admit	RD	Reg Decision Prog UGAO-RDP
DF	Defer EDP -> RDP UGAO Admit	NA	Nursing Accelerated Admit	RI	Reinstated after Suspension
ED	Early Decision Prog UGAO-EDP	ND	Non-Degree Admit	RL	Return from Leave
GA	Graduate/Professional Admit	NT	Non-Traditional UG Admit	RX	Return to Study
GP	Hold-over/Gap student UGAO	PB	Post- Bacc Admit	SB	Submatriculant Admit
GT	Transfer Grad/Prof Admit	PR	Athletics Pre-Read UG	SE	External Submatriculant Admit
HS	High School Admit	QB	Questbridge Admit UGAO	TR	Transfer Admit UGAO
IT	Internal Transfer	R1	Readmitted	VE	Visiting/Exchange Student Admit

How you will use these depends on what you need to do.

- In Pennant, we can query on more specific admit codes than we previously had in SRS.
- Sometimes you may need to filter on multiple types. Example: InList(RD;ED;GP;QB)
- Remember: all of the data in Pennant Student Records will have the new admit codes, so even if you go back in time for converted students, you won't see the old SRS Entry Actions.

## 3. Cross-walks that are for longitudinal reporting

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### Course Re-numbering cross-walk

- Current courses from the SRS course inventory are being converted into their new numbers. Old (closed in SRS) are not being converted and will not be in the new data collection. They will remain in the old warehouse data collection.
- Students' completed course sections will convert into their Academic History with the old numbers.
- Students' enrollment in anything starting with Summer 2022 will be in the new numbers.
- Any time you need to compare across time to the old data, you will need to use the course re-numbering cross-walk table.

## Course re-numbering, continued

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The Course re-numbering cross-walk will provide a way to map from the new number back to the old or from the old to all of the related new numbers \*\*

SRS_COUR...	NGSS_COURSE_ID	NGSS_SUBJ_CODE	NGSS_CRSE_NUMB
ACCT101	ACCT1010	ACCT	1010
ACCT102	ACCT1020	ACCT	1020
ANTH653	ANTH6530	ANTH	6530
ANTH654	NELC6650	NELC	6650
ANTH654	ANTH6110	ANTH	6110
ANTH655	ANTH6550	ANTH	6550
ANTH658	ANTH6580	ANTH	6580
MEAM990	MEAM9900	MEAM	9900
MEAM995	MEAM9950	MEAM	9950
MEAM999	MEAM9990	MEAM	9990
NURS061	NURS0061	NURS	0061
NURS065	NURS0065	NURS	0065
NURS068	NURS0068	NURS	0068

\*\* note! All images in today's presentation are from a test environment – the data may end up looking a little different in production.

# Call for queries

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To help you (and us) get started:

- You are invited to send one query to us, that currently uses the STDTCANQ universe. We will work with you to convert it and test it (with the understanding that our test data is somewhat unlike real production data). If the query you send is very similar to someone else's, we may form small groups to work together.
- Some considerations when picking which one to send:
  - A query that you use often or is critical to your work
  - A query that you thoroughly understand, and you are willing to help us work on the conversion process
- Send via Business Objects to the BI4 InBox for “squant” and then let us know via email that you have sent it.

# Wrap-up

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- Questions/comments
- Feedback/ Suggestions for future meetings?
- Follow-up questions/comments: [da-staff@isc.upenn.edu](mailto:da-staff@isc.upenn.edu)
- Discussions about student data: [student-wh@lists.upenn.edu](mailto:student-wh@lists.upenn.edu)