



CLEARINGHOUSE
ACADEMY INSTITUTIONAL
RESEARCH

Today's Agenda

- ❖ Introduction
- ❖ Clearinghouse History
- ❖ Core Service
- ❖ Degree Verify
- ❖ Student Tracker
- ❖ Break
- ❖ Case Studies
- ❖ Wrap-up

What is this Academy?

A workshop geared towards researchers who have access to StudentTracker and would like to better understand its usage and capacity.

What is the Clearinghouse?

A non-profit organization serving as a centralized educational agent in fulfilling enrollment and achievement reporting needs to governmental, financial, student service and educational organizations

The Clearinghouse Mission

**We serve the education *community* by
facilitating the exchange and
understanding of student enrollment,
performance and related information**

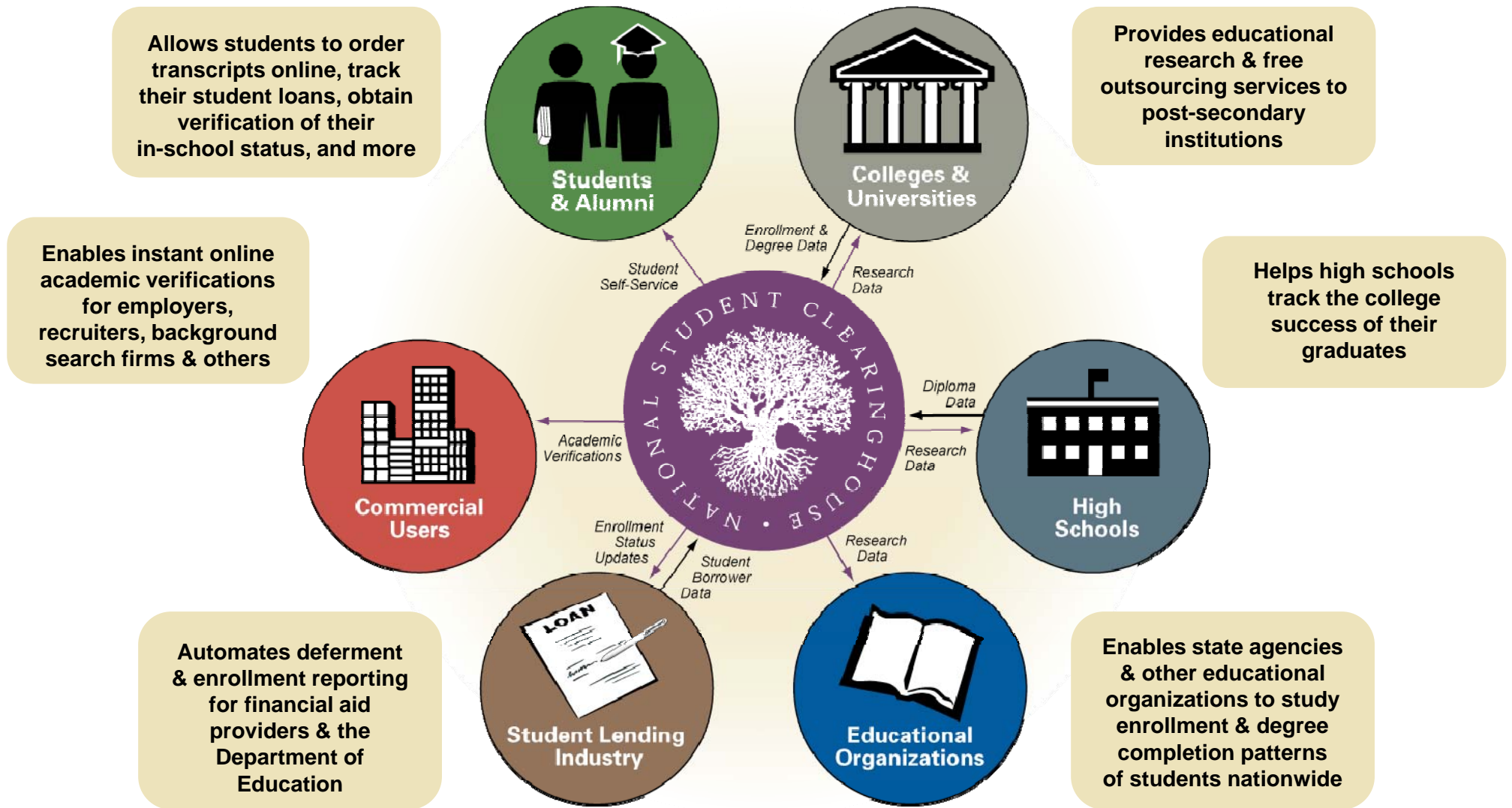
Background

- ❖ Created in 1993 to facilitate the flow of student enrollment information
- ❖ Formerly the National Student Loan Clearinghouse
- ❖ In 1999, name changed to National Student Clearinghouse to emphasize services extending beyond student loans

Leadership

- ❖ 19-member board of directors broadly representing higher education and financial aid providers
- ❖ 15-member Clearinghouse Advisory Committee representing collegiate registrar, financial aid, admissions and institutional research executives
- ❖ President is Ricardo Torres

Partners



Clearinghouse Services



Enrollment Verify



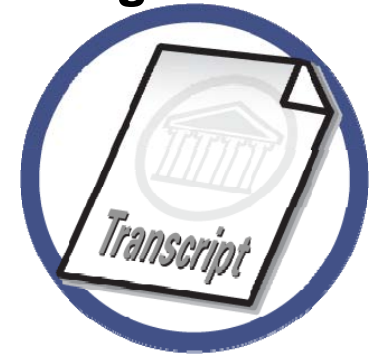
Electronic Transcript Exchange



Core Service



Degree Verify



Transcript Ordering



Student Self-Service



Student Tracker

Key Data Services



Core Service



DegreeVerify

Core Service

Verify current student status
to student lenders, loan servicers,
guaranty agencies and
Department of Education
on behalf of schools



Core Service

How Core Service Works

1. Schools report students to Clearinghouse
2. Guarantors and lenders report borrowers to Clearinghouse
3. Clearinghouse provides verification of enrollment to guarantors and lenders
4. Clearinghouse performs required NSLDS reporting

Core Data Collected

Identification Information

- ❖ Social Security number
 - Student ID is **NOT** a substitute
- ❖ Name
 - First
 - Last
 - Middle Initial

Core Data Collected

Identification Information

- ❖ Date of birth
- ❖ Permanent address
 - Not always home or institutional residence
- ❖ School name
- ❖ School OPE ID

Core Data Collected

Additional Important Information

- ❖ Previous name
- ❖ Previous SSN

Core Data Collected

Enrollment Information

- ❖ Certification date
 - Date institution ran the extract

- ❖ Enrollment status
 - Full-Time
 - Half-Time
 - Less Than Half-Time
 - Withdrawn
 - Graduated
 - Leave of absence
 - Deceased
 - Never attended

Core Data Collected

Enrollment Information

- ❖ Status start date
 - Date student's enrollment status begins

- ❖ Term beginning date
 - First day of the term

- ❖ Term ending date
 - Last day of the term

Core Data Collected

Enrollment Information

- ❖ Anticipated graduation date
 - Institutionally calculated
- ❖ Directory (FERPA) block indicator
 - Identifies students who do not want their directory information divulged

Enrollment Data Uses

- ❖ Comply with federal regulations
- ❖ Protect student's right to deferment
- ❖ Notify lenders when borrower has ceased to be enrolled at least half-time
- ❖ Correct apparent delinquencies that can result in technical defaults

Core Service Benefits

Benefits to Schools

- ❖ Free to colleges and universities
- ❖ NSLDS SSCRs done by Clearinghouse
- ❖ Reduces paper deferments
- ❖ Reduces technical defaults

Core Service Benefits

Benefits to Community

- ❖ Reduces lender costs
- ❖ Reduces technical defaults

New Data Elements

- ❖ Current Major/CIP Code
- ❖ Institutional ID (multiple)*
- ❖ Middle Name (if available)
- ❖ Class Standing (Freshman, Sophomore, etc.)
- ❖ High School Code (SAT/ACT Combined list)
- ❖ First-Time/Full-Time Student*
- ❖ Degree Seeking*
- ❖ Gender*
- ❖ Race/Ethnicity*
- ❖ Good Student Discount
- ❖ Institutional Email Address

*Aggregate Reporting Only

New Data Elements in StudentTracker

- ❖ Current Major/CIP Code
- ❖ Class Standing (Freshman, Sophomore, etc.)

New Data Elements

Institutional & Student Services

- ❖ Major and/or CIP Code
- ❖ Institutional ID (multiple)*
- ❖ Institutional Email Address
- ❖ Good Student Discount

* = Internal use only

New Data Elements

Increased Match Rate

- ❖ Middle Name (if available)
- ❖ High School Code
(SAT/ACT Combined list)

New Data Elements

Improved Research

- ❖ First-Time/Full-Time Student*
- ❖ Degree Seeking*
- ❖ Gender*
- ❖ Race/Ethnicity*
- ❖ Class Standing (Fresh, Soph, etc.)

* = Aggregate reporting only

Reporting Schedule

Schools send files of **ALL** enrolled students

❖ Required Reporting

- First-of-term/Census date
- Midterm
- End-of-term & **Graduates**

❖ Recommended Reporting

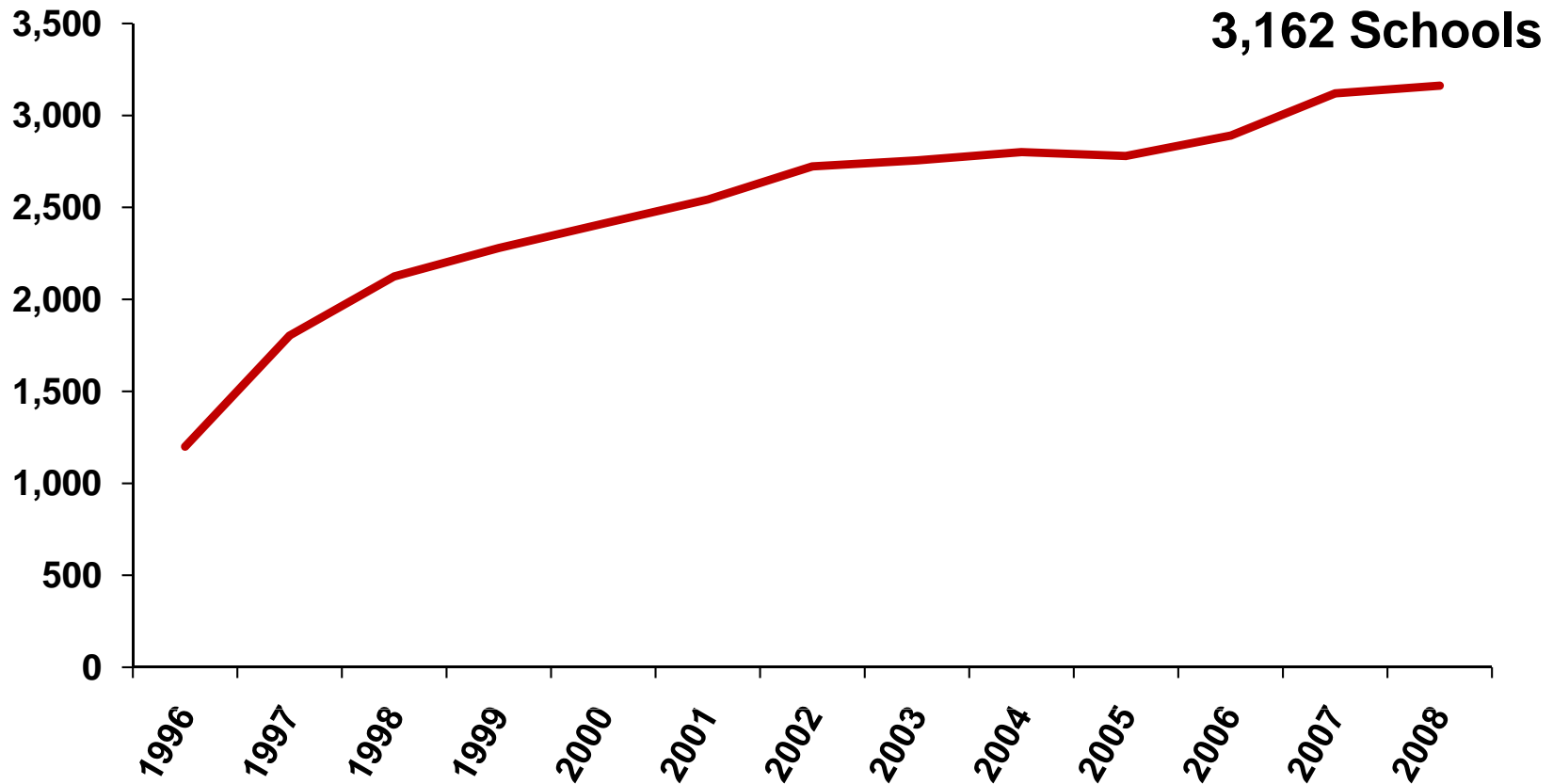
- Early registration
- Summer
- Online updates

Clearinghouse Database

- ❖ **92% of nation's IPEDS enrollment count**
(15.5 million currently enrolled students)
- ❖ 3,100+ colleges and universities
- ❖ Data refreshed 8-10 times a year
- ❖ **80+ million current and historical records**

Core School Participation

Schools



**Clearinghouse member schools represent
92% of the nation's college enrollment**

DegreeVerify

**Verify education credentials
of students and graduates for
employers, background
screening firms and others**



DegreeVerify

How DegreeVerify Works

1. You submit an initial historic degree data file & send a new file after each conferral period

2. We run your file through our error-checking logic to find & fix errors

3. Once the data review is complete, your records are added to our secure database & available for online verification

4. Requestors use DegreeVerify to get instant degree verifications for your students & alumni



5. You refer ALL degree verification requests to DegreeVerify

- Employers
- Background Screening Firms
- Recruiters
- Student Service Providers

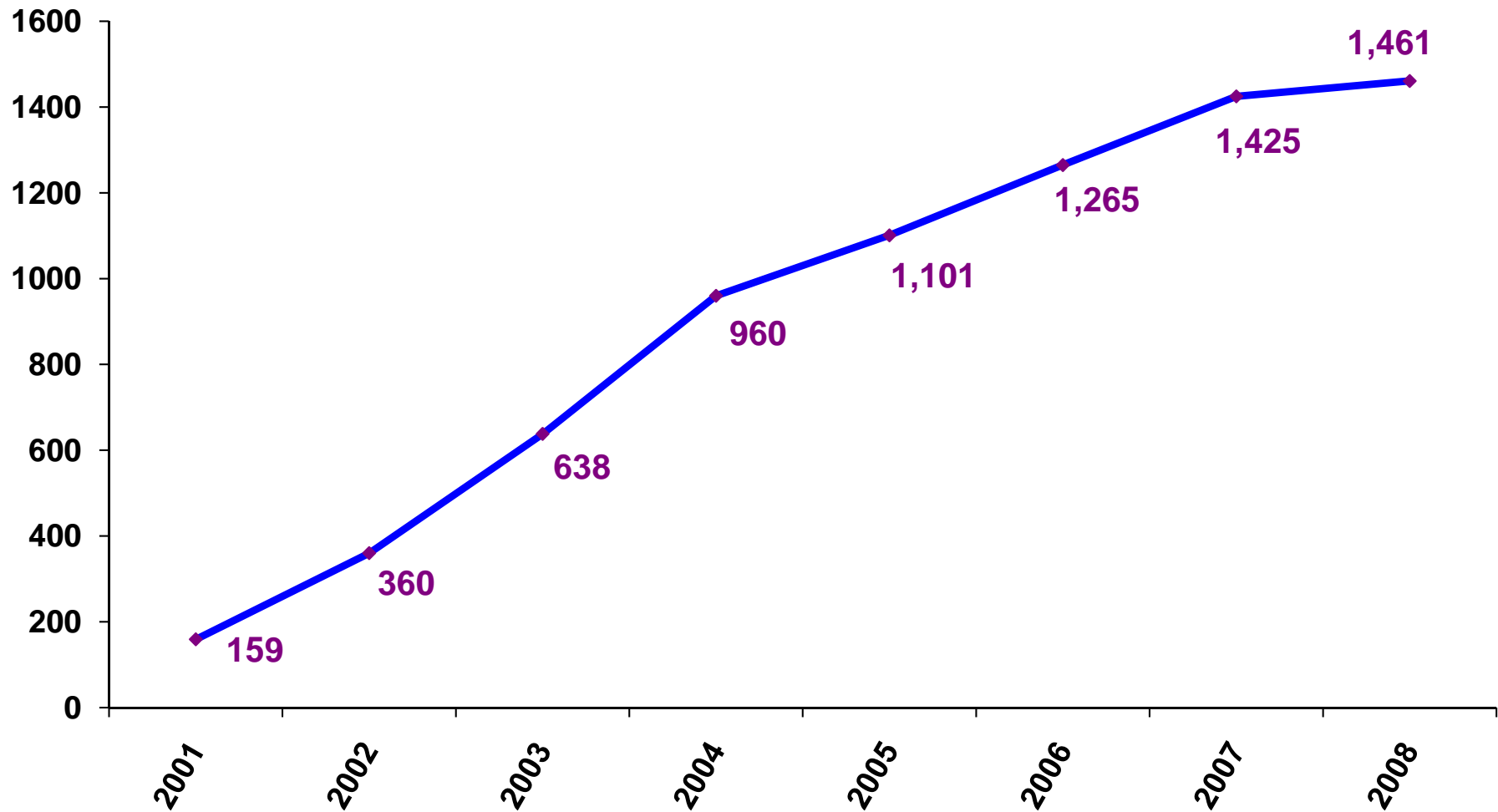
DegreeVerify Benefits

Benefits to Schools

- ❖ Free to schools
- ❖ Reduces staff interruptions
- ❖ Qualifies school for Student Self-Service
- ❖ Qualifies school to receive degree and graduation data on StudentTracker inquiries
- ❖ Free verification services for school's HR dept.
- ❖ Free reports and verification history

Total Degree Verify Participation

Schools



**Nearly 1,500 schools participate in Degree Verify,
representing 68% of all US college degrees**

Degrees Data Collected for DegreeVerify

- ❖ Degree title
- ❖ Degree award date
- ❖ Major(s)
- ❖ Minor(s)
- ❖ Division awarding degree
- ❖ Concentration(s) and specialization(s)
- ❖ Honors
- ❖ FERPA and financial block indicators

Clearinghouse Data

We receive data that is ...

Complete	All enrolled students
Current	Data is received at least 3 times each enrollment period
Comprehensive	Not bound by state boundaries or institutional sponsorship
Collegiate	Represents over 91% of college and university students
Certain	Authentic not survey or anecdotal



StudentTracker

for Institutional Researchers

How StudentTracker Works

1. You submit a file of the student cohorts you want to study



2. We run your file against our national student record database

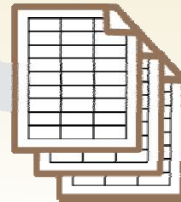


3. Matches are compiled in a StudentTracker report



Instant queries for individual students can be performed via the Web

4. We will email you when your report is ready for retrieval from your Clearinghouse secure FTP account



StudentTracker Inquiries



Batch Data File Exchanges

StudentTracker Batch Inquiries

Selecting a Research Question Query Type

Sample Groups for StudentTracker

Former Prospective Students (DA)

- ❖ Know where prospective students enrolled if the student:
 - Expressed interest but never submitted an application
 - Accepted an offer of admission but never actually attended
 - Was denied admission or admission was deferred

Sample Groups for StudentTracker

Previously Enrolled Students (SE)

- ❖ Know where previously enrolled students enrolled:
 - If they withdrew from the requesting institution prior to completing a program
 - If the student graduated and has pursued advanced studies
 - If the student left a community college in order to attend a four-year institution

Sample Groups for StudentTracker

Applicants (PA)

- ❖ Know where applicants previously attended
- ❖ Determine whether or not degrees were awarded to students who were accepted for admission
- ❖ Identify the schools that “feed” your institution

Sample Groups for StudentTracker

Family Members (SB)

- ❖ Verify the enrollment of family members at other institutions as indicated by financial aid applicants

Sample Groups for StudentTracker

Currently Enrolled Students (SE)

- ❖ Identify which of your current students is also enrolled at other institutions

Sample Groups for StudentTracker

Perkins Loan Recipients

- ❖ Identify delinquent borrowers whose accounts should be placed into an in-school deferment status

StudentTracker Batch Inquiries

Preparing a Submission File For StudentTracker Using Excel

StudentTracker Batch Inquiries- 6 Steps

1. Format Columns A-L
2. Enter **Header Row** columns A-G in row 1
3. Enter **Detail Rows** for columns A-L beginning in row 2
4. Enter **Trailer Row** information for Columns A-B in last row
5. Save your file
6. Submit your file

Batch File Layout: Header Row

Header Row (first row in spreadsheet)

- ❖ Provides information regarding your institution and the type of information requested
 - First column contains “H1”
 - Your 6-digit school code
 - Your 2-digit branch code
 - School name
 - File creation date
 - Inquiry type

Batch File Layout: Header Row

Header Row (first row in spreadsheet)

❖ Inquiry Type

- SE: Subsequent Enrollment for Previously Enrolled Students/Transfers Out
 - Searches for attendance AFTER the Search Begin Date
- DA: Subsequent Enrollment for Prospective Students/Denied/Declined Admissions
 - Searches for attendance AFTER the Search Begin Date
- PA: Prior Attendance for Pending Admissions Decisions
 - Searches for attendance BEFORE the Search Begin Date
- SB: Sibling/Parent Enrollment
 - Searches for attendance AFTER the Search Begin Date

Batch File Layout: Header Row

Header Row (first row in spreadsheet)

❖ Inquiry Type

- SE: Cohort Query
 - Searches for attendance AFTER the Search Begin Date. Identifies enrollments with terms ending after the search date or degrees awarded after the search date.

Batch File Layout: Header Row

	Record Type	School Code	Branch Code	School Name	File Creation Date	Inquiry Code	Entity Type	
	A	B	C	D	E	F	G	
1	H1	001234	00	Hometown University	20051230	DA	I	

Max. column width:

2 spaces

6 spaces

2 spaces

40 spaces

8 spaces

2 spaces

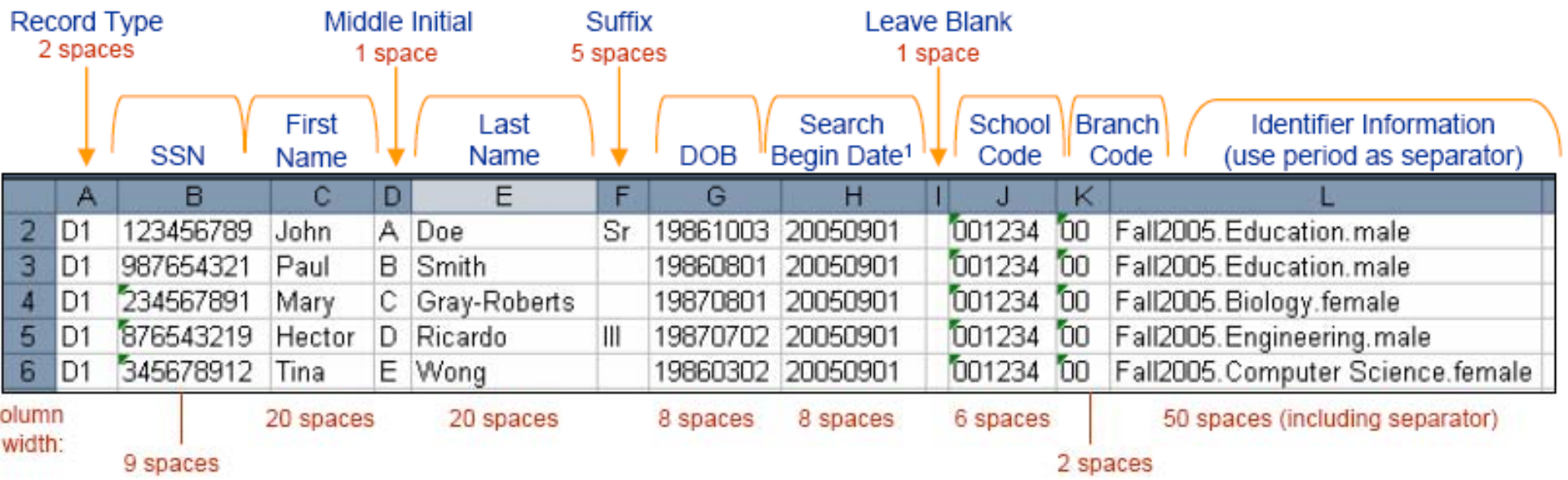
1 space

Batch File Layout: Detail Rows

Detail Rows (beginning in row 2)

- ❖ "D1"
- ❖ SSN
- ❖ First Name
- ❖ Middle Initial
- ❖ Last Name
- ❖ Name Suffix
- ❖ Date of Birth (YYYYMMDD)
- ❖ Search Begin Date (YYYYMMDD)
- ❖ 6-digit School Code (same in header row)
- ❖ 2-digit Branch Code (same in header row)
- ❖ 50-character field that will be returned to you

Batch File Layout: Detail Rows



Batch File Layout: Trailer Row

❖ “T1”

❖ Total number of spreadsheet rows

The diagram shows a spreadsheet row with columns labeled A through L. The first column (A) contains the value '7', the second column (B) contains 'T1', and the third column (C) contains '7'. Columns C through L are blank. Annotations include: 'Record Type' pointing to 'T1', 'Total # Rows' pointing to '7', and 'Leave columns C-L blank' pointing to the empty cells. Below the table, 'Max. column width:' is annotated with '2 spaces' for the first column and '8 spaces' for the second column.

	A	B	C	D	E	F	G	H	I	J	K	L
7	T1	7										

Record Type: T1
Total # Rows: 7
Leave columns C-L blank

Max. column width:
2 spaces (for column A)
8 spaces (for column B)

Submitting Your File

- ❖ All StudentTracker files are submitted via Secure FTP
- ❖ All StudentTracker institutions can open an account
- ❖ Can have multiple users on one account
- ❖ Unlimited number of StudentTracker files can be submitted

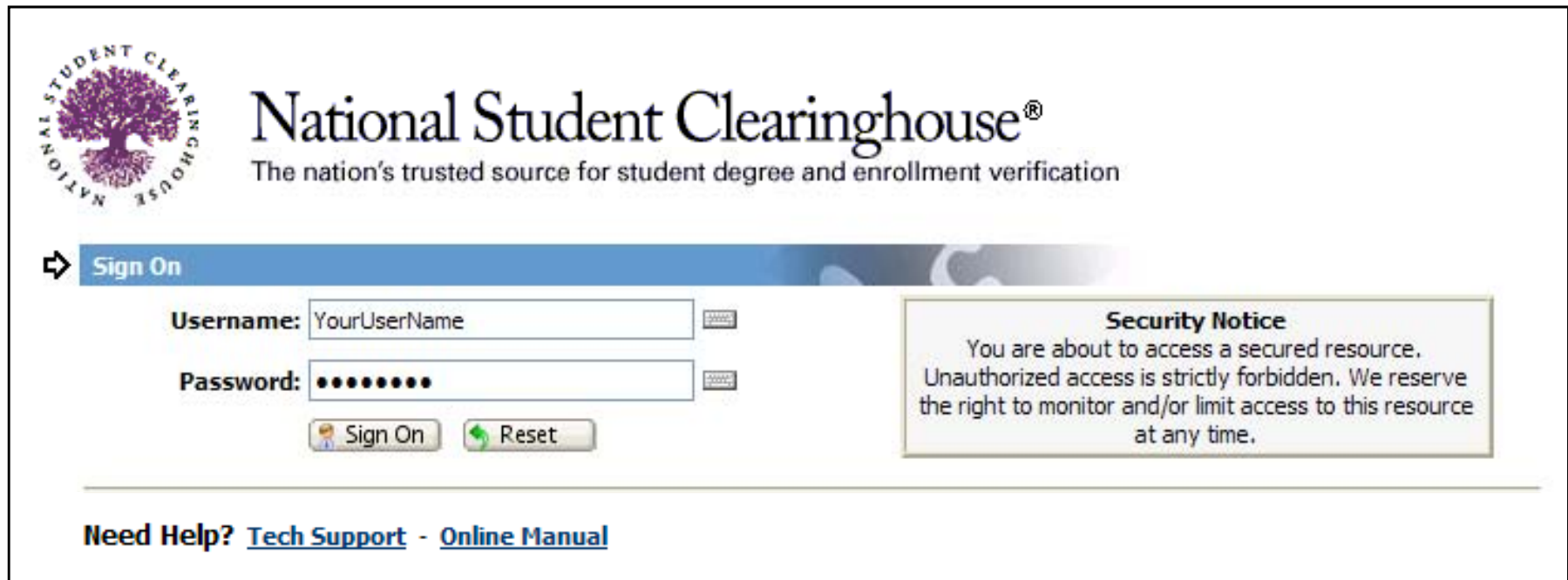
Submitting Your File

The screenshot shows the National Student Clearinghouse website. At the top left is the logo, and at the top right is the 15th anniversary logo (1993-2008). Below the header is a navigation bar with tabs for 'Colleges & Universities', 'High Schools', 'Students & Alumni', 'Guarantors, Lenders & Servicers', and 'Degree & Enrollment Verifiers'. On the left side of this bar is a 'USER LOGIN' section with fields for 'User Name' and 'Password'. Below the navigation bar is a secondary menu with links for 'Audit Resource Center', 'FTP Login', 'About Us', 'Careers', and 'Contact Us', along with a search box. The main content area features three large tiles: 'Order or Track a Transcript', 'Verify a Degree or Past Attendance', and 'Verify Current Enrollment'. Each tile includes a list of links: '> Participating Schools', '> How To Use', and '> Join & Save'. Below these tiles are two smaller boxes: 'Clearinghouse Schools' with a link to 'See the List', and a box about acquiring 'DegreeChk and EnrollChk Services from Credentials Inc.' with a link to 'Read the press release'. At the bottom is an 'Announcements' section with links for 'StudentTracker for Outreach Programs', 'Loan Deferments for Active Duty Military Personnel', and 'Press Releases'.

Log on to the secure FTP site

Submitting Your File

- ❖ Enter your secure FTP user name and password
- ❖ Click “Sign On”



The screenshot shows the National Student Clearinghouse sign-on interface. On the left is the logo, a purple tree with the text 'NATIONAL STUDENT CLEARINGHOUSE' around it. To the right of the logo is the text 'National Student Clearinghouse®' and 'The nation's trusted source for student degree and enrollment verification'. Below this is a blue 'Sign On' button with a right-pointing arrow. Underneath are two input fields: 'Username:' with the placeholder text 'YourUserName' and a small eye icon to toggle visibility; and 'Password:' with a field of ten black dots and another eye icon. Below the password field are two buttons: 'Sign On' with a person icon and 'Reset' with a circular arrow icon. To the right of the input fields is a 'Security Notice' box with a yellow border containing the text: 'Security Notice', 'You are about to access a secured resource.', 'Unauthorized access is strictly forbidden. We reserve the right to monitor and/or limit access to this resource at any time.' At the bottom left, there is a link: 'Need Help? [Tech Support](#) - [Online Manual](#)'.

Submitting Your File

- ❖ Select a folder to upload the file to (your home folder is the default)
- ❖ Click the “Upload Wizard” text link

The screenshot displays the National Student Clearinghouse web application. At the top left is the logo, a tree with the text 'NATIONAL STUDENT CLEARINGHOUSE' around it. To the right of the logo is the text 'National Student Clearinghouse®' and 'The nation's trusted source for student degree and enrollment verification'. Below this is a blue navigation bar with the text 'Signed onto National Student Clearinghouse as Kathy (000001)' and 'Account Options - Sign Out'.

On the left side, there are navigation links: 'Home', 'Folders', and 'Logs'. Below these are search and navigation tools: 'Find File/Folder:' with a search box and 'Find File' button; 'Go To Folder:' with a dropdown menu showing './000001' and a 'Go To' button. At the bottom left, there is a 'Need Help?' section with links for 'Online Manual' and 'Tech Support'.

The main content area shows a 'Home' folder icon. Below it is a 'Browse Files and Folders...' section with instructions: 'To search for a particular file, enter the file name or file ID in the Find File box on the left side of the page and press the "Find File" button.' Below this are links for 'Go To Your Home Folder' and 'Browse Other Folders'. A yellow arrow points from the top right towards the 'Browse Other Folders' link.

Below that is an 'Upload a File Now...' section, which is highlighted with a yellow box. It contains a 'Select a folder:' dropdown menu with 'Home / 000001' selected. Below this is a link with a lightning bolt icon: 'CLICK HERE to Launch the Upload Wizard...'

Submitting Your File

- ❖ Browse to the file you want to upload
- ❖ Click “Next” to finish

The screenshot displays the National Student Clearinghouse website interface. At the top left is the logo, a tree with the text "NATIONAL STUDENT CLEARINGHOUSE" around it. To the right of the logo is the text "National Student Clearinghouse®" and "The nation's". Below the logo, there is a navigation menu with "Home", "Folders", and "Logs". A search bar labeled "Find File/Folder:" is present, with a "Find File" button. Below that is a "Go To Folder:" section with a dropdown menu showing ". / 000001" and a "Go To" button. On the right side, there are links for "Account Options" and "Sign Out".

The central focus is the "Upload Wizard - Upload to Home / 000001" dialog box. It features a "MOVE wizard" icon with a green arrow. The text inside the dialog says "Please drop files into the list below, or use the buttons to the right." There are three buttons: "Add File", "Remove", and "Add Folder". Below these is a table with columns for "Filename", "Size", and "Modified". The table is currently empty. At the bottom of the dialog are "Next >" and "Cancel" buttons. A small lock icon is visible in the bottom left corner of the dialog.

Below the dialog box, there is a red arrow pointing to a link that says "CLICK HERE to Launch the Upload Wizard...".

StudentTracker Batch Inquiries

Retrieving a StudentTracker Return File

Retrieving Your File

- ❖ Each time you successfully upload a file, a file delivery receipt is emailed to you
- ❖ Please allow 72 hours for your request to be processed



File Delivery Receipt

National Student Clearinghouse DOWNLOADED "001234.txt" from the [Home / 001234st](#) folder. (Download recorded at 4/6/2006 9:53:27 AM.)

You are receiving this email because our records show you uploaded "001234.txt" into the "Home / 001234st" folder with tracking ID #9876543 at 4/6/2006 9:43:13 AM, and delivery receipts have been enabled for this folder.

Please use the following URL and your username/password to view the complete history of this file:


<https://ftp.nslc.org/human.aspx?OrgID=4444&Arq00=fileview&Arq06=555555&Arq00=9876543&transaction=signon&quiet=true>


PLEASE NOTE: When you view the complete history of this file, you will see where we have downloaded your file, sent you this FTP acknowledgement email, and "deleted" or moved this file from the FTP server to the Clearinghouse database for further processing.

Regards,
National Student Clearinghouse Notification Service

Retrieving Your File

- ❖ You will receive an email when your StudentTracker results are ready for retrieval from your secure FTP account
- ❖ Your StudentTracker research results include:
 - Student Detail Report: Specific enrollment information about your cohort.
 - Aggregate Report : Summary of 1st schools your cohort attended
 - Control Report: Overview of your inquiry & the results
- ❖ Click the "File Name" in the email to download the report (you may be prompted to log on)

 3 New Files Available

 [Home/00123456/receive](#)

File Name	Date and Time	Size	Uploaded By	Tracking ID
00111100_T18081.200606090947_SE.csv	6/9/2006 10:02:06 AM	871,300	National Student Clearinghouse System	9876543
00222200_T18081aggrrpt.200606090947_SE.csv	6/9/2006 10:02:00 AM	2,361	National Student Clearinghouse System	8765432
00333300_T18081cntlrpt.200606090947_SE.htm	6/9/2006 10:02:03 AM	7,616	National Student Clearinghouse System	7654321

Please click the "File Name" of any file above to view more information about or to download a particular file. You may be prompted to sign on with your username and password before continuing.

Regards,
National Student Clearinghouse Notification Service

Importing the StudentTracker Return File into SAS

```
DATA STFILE ;  
  LENGTH STPROFIL_TOKEN $85 SCHL_CODE $6. SCHL_BRNCH $2.;  
  SUBMIT_CODE='001139';  
  INFILE 'F:\SAS\EG code\Information Requests\2007\VSA\cohort comparisons  
  \CALIFORNIA STATE UNIVERSITY - LONG BEACH\999997_T28044.200711071727_CB.csv'
```

Importing the StudentTracker Return File into SAS

```
DLM=', ' DSD FIRSTOBS=2 LRECL=500;
```

```
INFORMAT Enrollment_End Enrollment_Begin SEARCH_DATE Graduation_Date YYMMDD8.;
```

```
INPUT
```

```
    Your_Unique_Identifier      :$16.      College_State      :$2.
    First_Name                  :$20.      Year2Year4        :$1.
    Middle_Initial              :$1.      Public_Private    :$7.
    Last_Name                   :$20.      Enrollment_Begin   :YYMMDD8.
    Name_Suffix                 :$5.      Enrollment_End     :YYMMDD8.
    Requester_Return_Field      :$50.      Enrollment_Status  :$1.
    RECORD_FOUND                :$1.      Graduated          :$1.
    Search_Date                 :YYMMDD8.   Graduation_Date    :YYMMDD8.
    College_Code_Branch         :$9.      Degree_Title       :$80.
    College_Name                :$40.      Major              :$80.
                                College_Sequence :2.;
```

Importing the StudentTracker Return File into SPSS

```
FILE HANDLE ST_IMPORT /NAME="F:\SAS\EG code\Pilot Studies\2008\ST_T31185.200803101003_SE.csv".
```

Importing the StudentTracker Return File into SPSS

```
GET DATA /TYPE = TXT
```

```
/FILE = ST_IMPORT
```

```
/DELCASE = LINE
```

```
/DELIMITERS = ","
```

```
/QUALIFIER = ""
```

```
/ARRANGEMENT = DELIMITED
```

```
/FIRSTCASE = 2
```

```
/IMPORTCASE = ALL
```

```
/VARIABLES =
```

Your_Unique_Identifier	A16	College_State	A2
First_Name	A20	Year2Year4	F1.0
Middle_Initial	A1	Public_Private	A7
Last_Name	A20	EB1	A8
Name_Suffix	F5.0	EE1	A8
Requester_Return_Field	A50	Enrollment_Status	A1
Record_Found	A1	Graduated	A1
SD1	A8	GD1	A8
College_Code_Branch	A9	Degree_Title	A80
College_Name	A40	Major	A80
		College_Sequence	F2.0

StudentTracker Benefits

- ❖ Provides unit-level and summary data for local and national research studies
- ❖ Extremely flexible and easy-to-use
- ❖ 80 million student records archived
- ❖ Degree and enrollment data available
- ❖ Fully FERPA compliant

Security & Privacy

Safeguard student
and school **data**

Security & Privacy

FERPA

Family Educational Rights & Privacy Act

Security & Privacy

Department of Education Approved

- ❖ Release of student records by schools to Clearinghouse approved by Dept. of Education
- ❖ ED letter available on Clearinghouse Web site
- ❖ StudentTracker approved as FERPA compliant by Dept. of Education

Security & Privacy

Clearinghouse Standards

- ❖ Only directory information disclosed, where required
- ❖ Student FERPA blocks honored, as required
- ❖ Additional services designed with FERPA as top priority

Security & Privacy

Electronic Security Measures

- ❖ Secure Web site access
- ❖ Secure FTP standard
- ❖ PGP encryption
- ❖ Compliance audits
- ❖ Security audits

BREAK

StudentTracker Users

Presidents

- ❖ Provide more accurate responses to surveys, such as *US News & World Report*, and obtain additional state performance funding by correctly re-classifying drop-outs as transfers

StudentTracker Users

Admissions Directors

❖ Knowing which schools each of your prospective students chose will help you:

- Target, select and retain students
- Formulate more effective recruitment and retention strategies
- Learn who's competing with you for the most desirable students
- Base your analyses and decisions on the latest factual information

StudentTracker Users

Research & Planning Officers

- ❖ Identify where each of your drop-outs transferred and where each of your graduates chose to pursue further study

Enrollment Management Directors

- ❖ Plan curriculum modifications and inter-institutional alliances based on which schools students actually attend

StudentTracker Users

Registrars

- ❖ Obtain accurate information for the *Student Right to Know Act* and the Department of Education's IPEDS Graduate Rate Surveys (GRS)

Financial Aid Directors

- ❖ Ensure that limited financial aid resources are awarded equitably by verifying the enrollment of family members listed on aid applications

StudentTracker Users

Perkins Loan Officers

- ❖ Identify delinquent borrowers enrolled at other schools who should receive in-school deferment status

Distance Education Directors

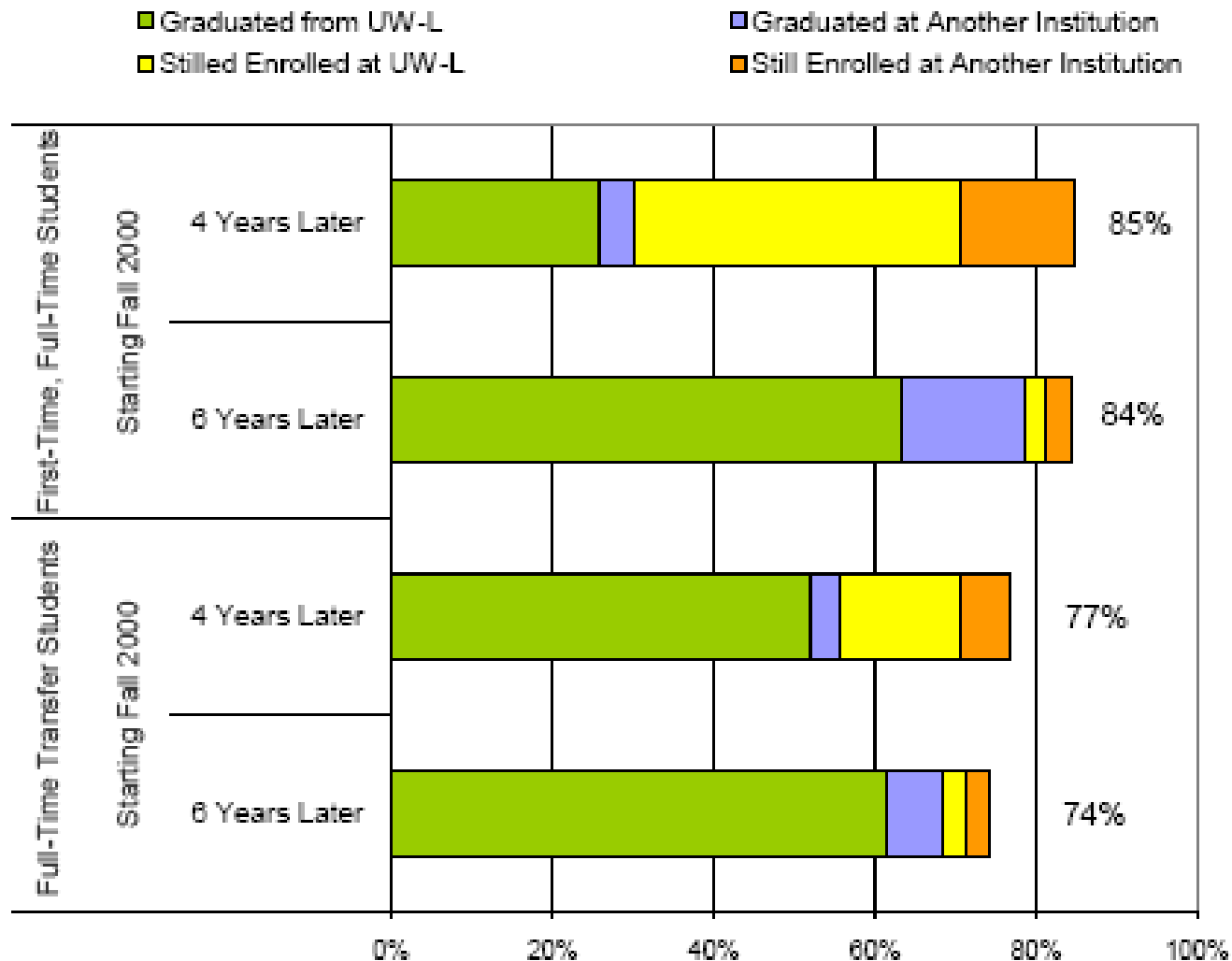
- ❖ Obtain reports of students concurrently enrolled at other institutions

Background on Voluntary System of Accountability (VSA)

- ❖ The VSA is a reporting system designed by NASULGC and AASCU as a means for its members to report in a standardized way that is more accessible to the public.
- ❖ The Clearinghouse has committed to providing enrollment and completion data via StudentTracker that will populate the Undergraduate Success & Progress Rate Chart.
- ❖ WWW.VOLUNTARYSYSTEM.ORG

VSA- Chart for University of Wisconsin-La Crosse

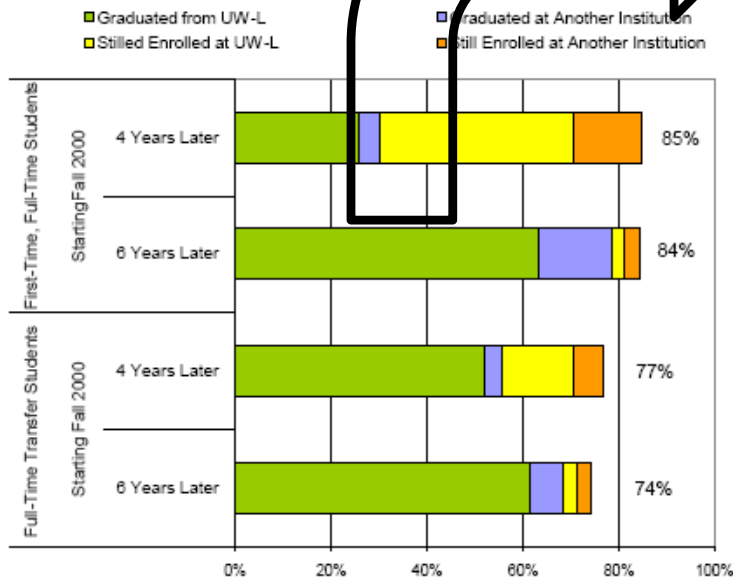
Undergraduate Success & Progress Rate



VSA- Chart for University of Wisconsin-La Crosse

What the Chart Shows

Undergraduate Success & Progress Rate



- ❖ 84% of First-Time Full-Time Students who entered UW-LAX had either completed a 4-year degree or were still enrolled at a 4-year institution 6 Years Later.
- ❖ 58.6% completed locally at UW-Lax (green)
- ❖ 15.3% Completed at a different 4-year institution (lavender)
- ❖ 2.5% were still enrolled at UW-Lax (Yellow)
- ❖ 3.4% were still enrolled elsewhere (Orange)

QUERY QUESTION	POTENTIAL COHORT	QUERY TYPE	POTENTIAL SEARCH DATE	CAN SSN BE SUBMITTED?
Incidence of prior enrollment	<ul style="list-style-type: none"> • First time fulltime at 4-yr institution • Graduate applicants 	Prior Attendance (PA)	Start date of term	Yes for applicants No for enrolled students
Concurrent enrollment	Currently enrolled at 4-yr institution	Subsequent Enrollment (SE)	Enrollment reporting 'freeze' date for term	No
Withdrawals	Previously enrolled at 4-yr institution	Subsequent Enrollment (SE)	1 month after last day enrolled	No
Accounting for transfer behavior in cohort studies (VSA)	Previously enrolled at 4-yr institution	Subsequent Enrollment (SE)	Cohort entry date	No
Prospective students	Admitted applicants who did not enroll at 4-yr, private, selective institution	Subsequent Enrollment for Prospective Students (DA)	Fall : 9/15/YYYY Spring: 1/15/YYYY	Yes
ID schools where students transfer or attended after graduation	Former students at 2 or 4-yr	Subsequent Enrollment (SE)	1 month after transfer date or graduation date	No

StudentTracker Case Studies

StudentTracker Case Studies

What to consider prior to study...

- ❖ Research Question
- ❖ Potential cohort
- ❖ Query type
- ❖ Potential search date
- ❖ Social security number restrictions

StudentTracker Case Study 1

QUERY QUESTION	POTENTIAL COHORT	QUERY TYPE	POTENTIAL SEARCH DATE	CAN SSN BE SUBMITTED?
Withdrawals	Previously enrolled at 4-yr institution	Subsequent Enrollment (SE) [Searches for the attendance after the search begin date]	1 month after last day enrolled	No

StudentTracker Case Study 1

- ❖ Four year private, not for profit institution
- ❖ Approximately, 99% of undergraduates attended fulltime in 2006
- ❖ Undergraduate applicants for 2007 included more than 25k and < 25% admitted

StudentTracker Case Study 1

- ❖ Retention rate is >95% for fulltime students
- ❖ Year 2000 graduation rates for first time fulltime undergraduates were 84% at 4 years, 91% at 5 years, and 92% at 6 years

StudentTracker Case Study 1

What is the incidence of subsequent enrollment for a previously enrolled cohort (xfers) at a four year private institution ?

StudentTracker Case Study 1

Table 1. Student Match Rate per Students Submitted by the Institution



Institution Sent	2,933 students
NSC Matched	2,571 students
No response data	315 students
Blocked data	47 students

88%
Match

A light blue vertical bracket is positioned to the right of the 'Institution Sent' and 'NSC Matched' rows of the table. To the right of the bracket, the text '88% Match' is displayed.

StudentTracker Case Study 1

Exiting Students:

Table 2. Frequency of Students Graduated from Subsequent Four Year Institution by Academic Year

<u>Academic Year</u>	<u>Total Students</u>	<u>Total Graduated</u>	<u>Percent Graduated</u>
1992-93	3	1	33.3
1993-94	83	12	14.5
1994-95	343	39	11.4
1995-96	489	55	11.2
1996-97	572	70	12.2
1997-98	635	89	14.0
1998-99	629	97	15.4
1999-00	658	80	12.1
2000-01	638	101	15.8
2001-02	662	84	12.7
2002-03	744	75	10.1
2003-04	706	81	11.5
2004-05	673	128	19.0
2005-06	566	100	17.7
2006-07	456	96	21.1
2007-08	308	8	2.6
TOTAL	8165	1116	13.7

Over 10 percent of xfers went on to graduate from another four year institution.

StudentTracker Case Study 1

Exiting Students:

Table 3. Frequency of Students Graduated from Subsequent Two Year Institution by Academic Year

<u>Academic Year</u>	<u>Total Students</u>	<u>Total Graduated</u>	<u>Percent Graduated</u>
1992-93	3	0	0
1993-94	83	2	2.4
1994-95	343	0	0
1995-96	489	3	0.6
1996-97	572	4	0.7
1997-98	635	9	1.4
1998-99	629	10	1.6
1999-00	658	3	0.5
2000-01	638	4	0.6
2001-02	662	4	0.6
2002-03	744	6	0.8
2003-04	706	6	0.8
2004-05	673	8	1.2
2005-06	566	9	1.6
2006-07	456	8	1.8
2007-08	308	2	0.6
TOTAL	8165	78	1.0

About 1 percent of xfers went on to graduate from a two year institution.

StudentTracker Case Studies

StudentTracker Case Study 2

QUERY QUESTION	POTENTIAL COHORT	QUERY TYPE	POTENTIAL SEARCH DATE	CAN SSN BE SUBMITTED?
Identify where students transfer or attended after graduation	Former students at a 2 year or 4 year	Subsequent Enrollment (SE) [Searches for the attendance after the search begin date]	1 month after transfer date or graduation date	No

StudentTracker Case Study 2

- ❖ Four year private, not for profit institution
- ❖ Approximately, 100% of undergraduates attended fulltime in 2006
- ❖ Undergraduate applicants for 2007 > 20k with >11% admitted

StudentTracker Case Study 2

- ❖ Retention rate is over 98% for fulltime students
- ❖ Year 2000 graduation rates for first time fulltime undergraduates were 76% at 4 years, 92% at 5 years and 95% at 6 years

StudentTracker Case Study 2

What are the subsequent enrollment patterns of a 2004 cohort that either transferred or graduated from this four year private institution? Where did they go?

StudentTracker Case Study 2

Table 1. Student Match Rate per Students Submitted by the Institution

Institution Sent	1,598 students
NSC Matched	935 students
No response data	520 students
Blocked data	143 students

StudentTracker Case Study 2

```
DATA pilot ;  
  LENGTH STPROFIL_TOKEN $85 SCHL_CODE $6. SCHL_BRNCH $2.;  
  SUBMIT_CODE='XXXXX';  
  orig_sch='XXXXXX';  
  INFILE 'F:\SAS\EG code\Pilot Studies\2008\ST_T30717.200802221313_SE.csv'
```

StudentTracker Case Study 2

```
INFORMAT Enrollment_End Enrollment_Begin SEARCH_DATE Graduation_Date YMMDD8.;
```

INPUT

```
Your_Unique_Identifier      :$16.  
First_Name                  :$20.  
Middle_Initial              :$1.  
Last_Name                   :$20.  
Name_Suffix                 :$5.  
Requester_Return_Field     :$50.  
RECORD_FOUND                :$1.  
Search_Date                 :YMMDD8.  
College_Code_Branch        :$9.  
College_Name                :$40.  
College_State               :$2.  
Year2Year4                  :$1.  
Public_Private              :$7.  
Enrollment_Begin           :YMMDD8.  
Enrollment_End             :YMMDD8.  
Enrollment_Status          :$1.  
Graduated                   :$1.  
Graduation_Date            :YMMDD8.  
Degree_Title                :$80.  
Major                       :$80.  
College_Sequence           :2.;
```

StudentTracker Case Study 2

```
/*this code reclassifies degree titles for the dv schools.
```

```
IF      SUBSTR(degree_title,1,5)='ASSOC'      THEN DEGREE_TITLE_RENAME='ASSOCIATES';
ELSE IF SUBSTR(degree_title,1,2)='AA'        THEN DEGREE_TITLE_RENAME='ASSOCIATES';
ELSE IF degree_title='AS'                   THEN DEGREE_TITLE_RENAME='ASSOCIATES';

ELSE IF SUBSTR(degree_title,1,4)='BACH'      THEN DEGREE_TITLE_RENAME='BACHELORS';
ELSE IF SUBSTR(degree_title,1,5)='BA IN'    THEN DEGREE_TITLE_RENAME='BACHELORS';
```

StudentTracker Case Study 2

```
*CREATE A FILE OF FIRST DEGREES;
```

```
☐ DATA XXXXX GRAD;  
    SET XXXXX(WHERE=(GRADUATION_DATE NE .) );  
    LAG_STP=LAG(STPROFIL_TOKEN);  
    IF STPROFIL_TOKEN=LAG_STP THEN DELETE;  
    DROP LAG_STP;
```

```
RUN;
```

```
*NOW ID LOCAL SCHOOL GRADS FROM THAT FILE;
```

```
☐ DATA XXXXX GRAD;  
    SET XXXXX_GRAD(WHERE=(ORIG_SCH EQ SCHL_CODE));  
    KEEP STPROFIL_TOKEN;
```

```
RUN;
```

```
* sort the file by id to merge;
```

```
☐ PROC SORT DATA=XXXXX GRAD;  
    BY STPROFIL_TOKEN;  
    RUN;
```

```
*SORT original FILE;
```

```
☐ PROC SORT DATA=XXXXX(WHERE=(ENROLLMENT_STATUS IN ('F','H','L') AND SCHL_CODE NE ORIG_SCH))  
    OUT=XXXXX_SORT;  
    BY STPROFIL_TOKEN ORIG_ROW;
```

StudentTracker Case Study 2

```
**MAKE A MERGED FILE WITH THOSE STUDENTS EXCLUDED WITH DATA NON_GRADS;
```

```
☐ DATA XXXXX_NON_GRADS;  
    MERGE XXXXX_SORT(IN=REST) XXXXX_GRAD(IN=GRAD);  
    BY STPROFIL_TOKEN;  
    IF REST EQ 1 AND GRAD NE 1;  
    RUN;  
QUIT;
```

```
*NOW SORT BY PRIORITIES;
```

```
☐ PROC SORT DATA=XXXXX_NON_GRADS;  
    BY STPROFIL_TOKEN ENROLLMENT_STATUS ORIG_ROW;  
    RUN;
```

```
☐ DATA XXXXX_FIRST_NON_GRADS;  
    SET XXXXX_NON_GRADS;  
    BY STPROFIL_TOKEN;  
    IF FIRST.STPROFIL_TOKEN;  
    RUN;  
QUIT;
```

StudentTracker Case Study 2

❏ PROC SQL;

```
CREATE TABLE XXXXX|COUNTS
AS SELECT
    NONGRAD.COLLEGE_NAME,
    NONGRAD.SUBMIT_CODE,
    (COUNT(DISTINCT(NONGRAD.STPROFIL_TOKEN))) AS 'COUNTS' n
FROM XXXXX_FIRST_NON_GRADS AS NONGRAD
GROUP BY NONGRAD.COLLEGE_NAME, NONGRAD.SUBMIT_CODE
ORDER BY COUNTS DESC;
QUIT;
```

StudentTracker Case Study 2

Exiting students:

INSTITUTION NAME	STUDENT COUNT
UNIVERSITY OF SOUTHERN CALIFORNIA	20
UNIVERSITY OF PENNSYLVANIA	17
NEW YORK UNIVERSITY	17
NORTHWESTERN UNIVERSITY	9
UNIVERSITY OF CALIFORNIA-EXTENSION	8
UNIVERSITY OF CAL - LOS ANGELES (LAW)	8
UNIVERSITY OF HAWAII AT MANOA	7
DUKE UNIVERSITY MEDICAL	7
PRINCETON UNIVERSITY	6
UNIVERSITY OF CALIFORNIA-LOS ANGELES	6
UNIVERSITY OF MICHIGAN-LAW	5
HARVARD UNIVERSITY - CONTINUING ED	5
BOSTON UNIVERSITY	5
GEORGETOWN UNIVERSITY - LAW SCHOOL	5
UNIVERSITY OF VIRGINIA	5
UNIVERSITY OF MICHIGAN-CENTRAL CAMPUS	5
BAYLOR COLLEGE OF MEDICINE	5
UNIVERSITY OF WASHINGTON - SEATTLE	5

StudentTracker Case Study 2

Exiting students:

Table 2. Top Degree Granting Institutions by State and Public/Private Status per Count of Degrees Conferred

INSTITUTION NAME	STATE	STATUS	STUDENT COUNT
COLUMBIA UNIVERSITY	NY	PRIVATE	12
HARVARD-LAW SCHOOL	MA	PRIVATE	9
UNIVERSITY OF SOUTHERN CALIFORNIA	CA	PRIVATE	6
UNIVERSITY OF CALIFORNIA-LOS ANGELES	CA	PRIVATE	5
YALE UNIVERSITY	CT	PRIVATE	5
UNIVERSITY OF PENNSYLVANIA	PA	PRIVATE	4
UNIVERSITY OF CALIFORNIA-BERKELEY	CA	PRIVATE	3
UNIVERSITY OF CHICAGO	IL	PRIVATE	3
UNIVERSITY OF MICHIGAN-CENTRAL CAMPUS	MI	PUBLIC	3

StudentTracker Case Studies

StudentTracker Case Studies 3 and 4

QUERY QUESTION	POTENTIAL COHORT	QUERY TYPE	POTENTIAL SEARCH DATE	CAN SSN BE SUBMITTED?
Concurrent enrollment	Currently enrolled at a 4 year institution	Subsequent Enrollment (SE) [Searches for the attendance after the search begin date]	Enrollment reporting 'freeze' date for term	No

StudentTracker Case Studies 3 and 4

QUERY QUESTION	POTENTIAL COHORT	QUERY TYPE	POTENTIAL SEARCH DATE	CAN SSN BE SUBMITTED?
Prospective students	Admitted applicants who did not enroll at a 4 year private, selective institution	Subsequent enrollment for prospective students (DA) [Searches for attendance after the search begin date	Fall: 9/15/YYYY Spring: 1/15/YYYY	Yes

StudentTracker Case Studies 3 and 4

- ❖ Four year private, not for profit institution
- ❖ Approximately, 90% of undergraduates attended fulltime in 2006
- ❖ Undergraduate applicants for 2007 included a total of 9,979- 74% admitted

StudentTracker Case Studies 3 and 4

- ❖ Retention rate is 85% for fulltime students and 64% for part-time
- ❖ Year 2000 graduate rates for first time fulltime undergraduates were 31% at 4 years, 53% at 5 years and 78% at 6 years

StudentTracker Case Studies 3 and 4

What is the incidence of concurrent enrollment for a currently enrolled cohort? What is the pattern of subsequent enrollment for a prospective cohort of students at a four year private institution ?

StudentTracker Case Studies 3 and 4

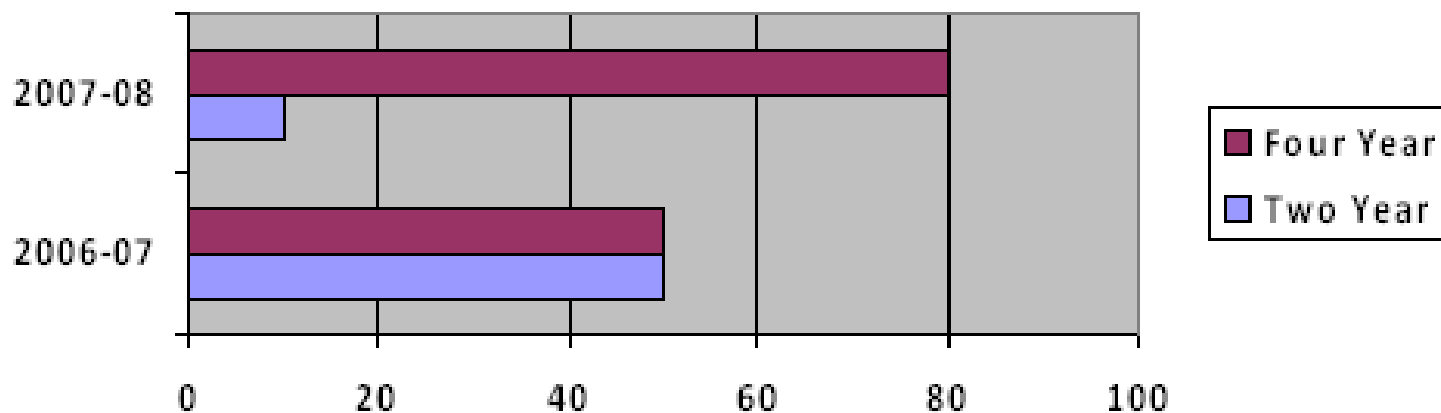
Table 1. Student Match Rate per Cohort Submitted by the Institution

Cohort 1: Institution Sent	33,379 students	Cohort 2: Institution Sent	5,984 students
NSC Matched	32,328 students	NSC Matched	4,599 students
No response data	1,031 students	No response data	1,385 students
Blocked data	20 students	Blocked data	66 students

StudentTracker Case Studies 3 and 4

Non-enrolled Admitted:

Figure 1. Percent of Prospective Cohort Subsequently retained at 4-year and 2-Year Institutions for the 2006-07 and 2007-08 Academic School Years



	2006-07	2007-08
■ Four Year	50	80
■ Two Year	50	10

StudentTracker Case Studies 3 and 4

Non-enrolled Admitted:

Table 2. Subsequent Enrollment and Completion Outcomes for the 2007 Prospective Cohort by Academic Year

	<u>2006-07</u>	<u>2007-08</u>
1. Graduated from other 4 year	0	5
2. Graduated from other 2 year	0	31
3. Retained at original university	0	500
4. Retained at other 4 year	2	3633
5. Retained at other 2 year	2	354
Total	4	4523

Approximately 80 percent of the 2007 prospective cohort was subsequently retained at an external four year institution.

StudentTracker Case Studies 3 and 4

Non-enrolled Admitted:

BRIGHAM YOUNG UNIVERSITY -IDAHO	1667		
UTAH VALLEY STATE COLLEGE	392		
UTAH STATE UNIVERSITY	364		
UNIVERSITY OF UTAH	193		
BRIGHAM YOUNG UNIVERSITY - HAWAII	177		
SOUTHERN UTAH UNIVERSITY	100		
SALT LAKE COMMUNITY COLLEGE	69		
LATTER-DAY SAINTS BUSINESS COLLEGE	66		
WEBER STATE UNIVERSITY	62		
ARIZONA STATE UNIVERSITY	51		
DIXIE STATE COLLEGE OF UTAH	40		
SNOW COLLEGE	37		
IDAHO STATE UNIVERSITY	24		
BOISE STATE UNIVERSITY	17		
UNIVERSITY OF WASHINGTON - SEATTLE	15		
WESTMINSTER COLLEGE OF SALT LAKE CITY	12		
CALIFORNIA STATE UNIVERSITY - SACRAMENTO	11		
TEXAS TECH UNIVERSITY, LUBBOCK	10		
UNIVERSITY OF NEVADA LAS VEGAS	10		

StudentTracker Case Studies 3 and 4

Concurrently Enrolled:

Table 4. Institution by Number of Student Enrollment and Percentage

Institution Name	Student Count	
	Frequency	Percent
UTAH VALLEY STATE COLLEGE	37	27.41
SALT LAKE COMMUNITY COLLEGE	32	23.71
UNIVERSITY OF UTAH	10	7.41
UTAH STATE UNIVERSITY	10	7.41
BRIGHAM YOUNG UNIVERSITY - IDAHO	8	5.94
WEBER STATE UNIVERSITY	4	2.96
LATTER-DAY SAINTS BUSINESS COLLEGE	3	2.22
MODESTO JUNIOR COLLEGE	2	1.48
UNIVERSITY OF TEXAS AT EL PASO	2	1.48
BARSTOW COMMUNITY COLLEGE	1	0.74
BAYLOR COLLEGE OF MEDICINE	1	0.74
BRIGHAM YOUNG UNIVERSITY - HAWAII	1	0.74
BURLINGTON COUNTY COLLEGE	1	0.74

StudentTracker Case Studies 3 and 4

Concurrently Enrolled:

Table 4. Institution by Number of Student Enrollment and Percentage

Institution Name	Student Count	
	Frequency	Percent
CITY UNIVERSITY OF SEATTLE	1	0.74
COCONINO COMMUNITY COLLEGE	1	0.74
CUNY BERNARD M. BARUCH COLLEGE	1	0.74
CUNY CITY COLLEGE	1	0.74
DIXIE STATE COLLEGE OF UTAH	1	0.74
DUKE UNIVERSITY LAW	1	0.74
JOHNSON COUNTY COMMUNITY COLLEGE	1	0.74
NORTHWESTERN MICHIGAN COLLEGE	1	0.74
OHLONE COLLEGE	1	0.74
PEPPERDINE UNIVERSITY - LAW SCHOOL	1	0.74
RICHLAND COLLEGE-DALLAS CC DISTRICT	1	0.74
RIO HONDO COLLEGE	1	0.74
SAN JUAN COLLEGE	1	0.74
SOUTHERN UTAH UNIVERSITY	1	0.74
UNIVERSITY OF IOWA	1	0.74

StudentTracker Case Studies 3 and 4

Concurrently Enrolled:

Table 4. Institution by Number of Student Enrollment and Percentage

Institution Name	Student Count	
	Frequency	Percent
UNIVERSITY OF KANSAS	1	0.74
UNIVERSITY OF PHOENIX -	1	0.74
UNIVERSITY OF SOUTHERN CALIFORNIA	1	0.74
UNIVERSITY OF TEXAS AT DALLAS	1	0.74
UNIVERSITY OF WYOMING	1	0.74
WAUBONSEE COMMUNITY COLLEGE	1	0.74
WEST VIRGINIA UNIVERSITY	1	0.74
WITTENBERG UNIVERSITY	1	0.74
Total	135	100

The majority of students concurrently enrolled remained in-state.

StudentTracker Case Studies

StudentTracker Case Study 5

QUERY QUESTION	POTENTIAL COHORT	QUERY TYPE	POTENTIAL SEARCH DATE	CAN SSN BE SUBMITTED?
Withdrawals	Previously enrolled at a 4-yr institution	Subsequent Enrollment (SE) [Searches for the attendance after the search begin date]	1 month after last day enrolled	No

StudentTracker Case Study 5

- ❖ Four year private, not for profit institution
- ❖ Approximately, 80% of undergraduates attended full-time in 2006
- ❖ Undergraduate applicants for 2007 more than 15k with over 70% admitted

StudentTracker Case Study 5

- ❖ Retention rate is 84% for fulltime students and 52% for part-time
- ❖ Year 2000 graduate rates for first time fulltime undergraduates were 13% at 4 years, 51% at 5 years and 61% at 6 years

StudentTracker Case Study 5

What is the incidence of subsequent enrollment after 1/1/2002 for a withdrawn cohort from a four year private institution? Where did they go?

StudentTracker Case Study 5

Table 1. Student Match Rate per Students Submitted by the Institution

Institution Sent	1,284 students	91% Match
NSC Matched	1,164 students	
No response data	116 students	
Blocked data	4 students	

StudentTracker Case Study 5

Exiting students:



Table 1. Transfer Institution by Student Enrollment Count of 10 or More

INSTITUTION NAME	STATE	STATUS	COUNT
TEMPLE UNIVERSITY	PA	PUBLIC	51
COMMUNITY COLLEGE OF PHILADELPHIA	PA	PUBLIC	44
DELAWARE COUNTY COMMUNITY COLLEGE	PA	PUBLIC	43
CAMDEN COUNTY COLLEGE	NJ	PUBLIC	32
BUCKS COUNTY COMMUNITY COLLEGE	PA	PUBLIC	31
MONTGOMERY COUNTY COMMUNITY COLLEGE	PA	PUBLIC	31
PENNSYLVANIA STATE UNIVERSITY	PA	PUBLIC	29
BURLINGTON COUNTY COLLEGE	NJ	PUBLIC	25
UNIVERSITY OF MARYLAND - COLLEGE PARK	MD	PUBLIC	16
WEST CHESTER UNIVERSITY	PA	PUBLIC	14
ATLANTIC CAPE COMMUNITY COLLEGE	NJ	PUBLIC	14
GLOUCESTER COUNTY COLLEGE	NJ	PUBLIC	12

The majority of the 2002 withdrawn cohort transferred to in-state institutions.

Thank You!

National Student Clearinghouse

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