

Moving Forward with Data Quality and Graduation Cohorts

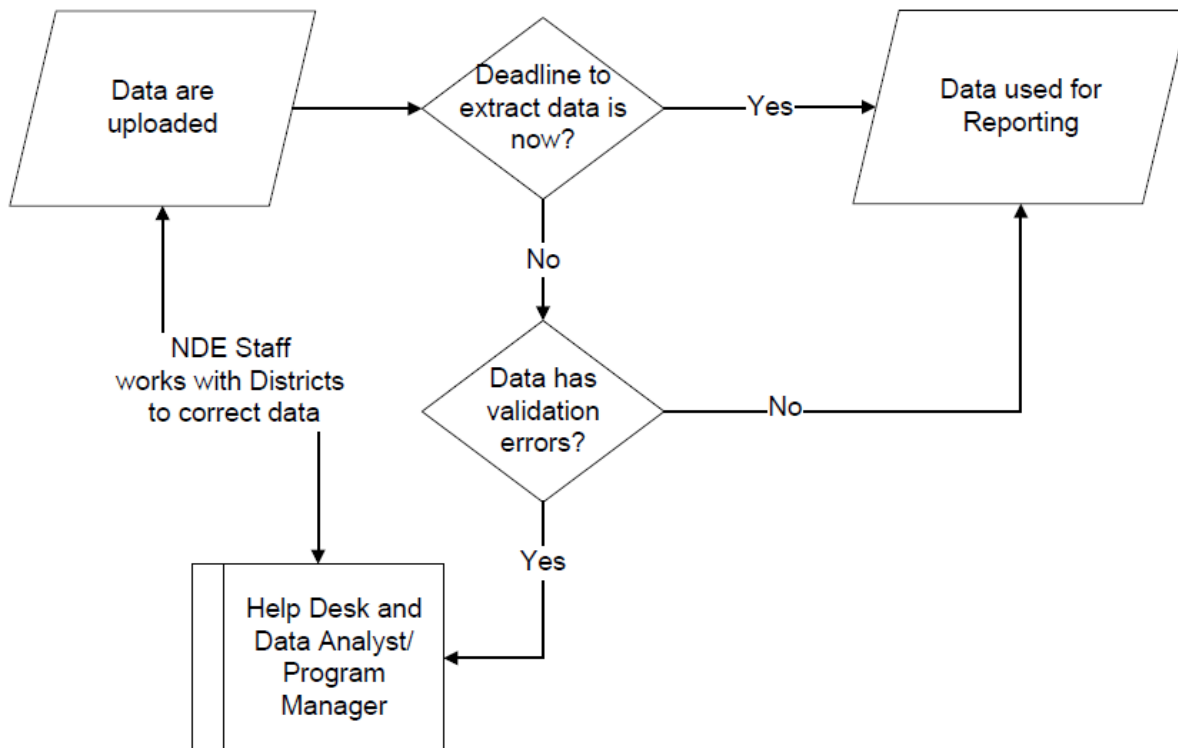
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Nebraska Department of Education
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Slide 1: Introduction

- Nebraska Overview 2011-12 SY
 - Public School Districts: 254
 - Public and State Operated High Schools: 277
 - Nebraska Student and Staff Record System (NSSRS) is used to collect data through a batch method
 - Data from NSSRS is used for reporting

Notes:

Slide 2: Cohort Reporting Process



Notes:

Slide 3: Statistics

Graduation Cohort Year	Student Count
2011	26271
2012	25072
2013	24639
2014	23452
2015	22467

Notes:

Slide 4: 2011 Cohort Four-Year Graduation Rate

Cohort Four-Year Graduation		
Student Groups	State	
	Percentage	Number
All students	85.77%	19,303
Male	83.12%	9,557
Female	88.54%	9,746
American Indian/Alaska Native	63.55%	258
Asian or Pacific Islander	82.27%	399
White, Not Hispanic	89.87%	15,422
Black, Not Hispanic	69.38%	1,110
Hispanic	74.05%	2,114
Students eligible for free and reduced lunch	77.58%	5,716
Special Education Students	69.48%	1,826
English Language Learners	52.22%	270

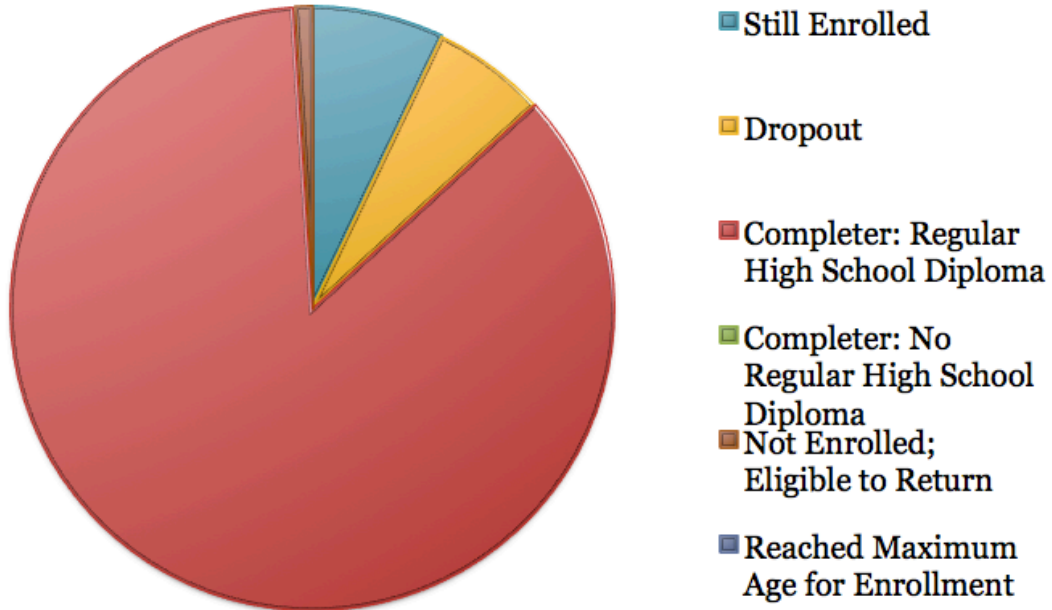
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Slide 6: 2011 Cohort Four-Year Graduation Rate (06-25-2012)

Enrollment Description	Student Count	Student Percent
Still Enrolled	1598	7.10%
Dropout	1370	6.09%
Completer: Regular High School Diploma	19313	85.79%
Completer: No Regular High School Diploma	23	0.10%
Not Enrolled; Eligible to Return	203	0.90%
Reached Maximum Age for Enrollment	5	0.02%
Total	22512	100.00%

Notes:

Slide 7: 2011 Cohort Four-Year Graduation Rate (06-25-2012)



Notes:

Slide 8: Quality Assurance Practices

- Identifying the Education Systems
 - Information Technology (IT)
 - Accountability (Nebraska Performance Accountability System (Ne-PAS), AYP, PLAS)
- Applying the Quality Assurance Diagnostic Matrix (QADM)
 - Validating data
 - Training data collectors
 - Improving quality practices
 - Evaluating system controls

Taylor, Beaudoin, and Goldschmidt (2007)

Notes:

Slide 9: Challenges

- Working with data from previous years
- District buy-in for new process
- Finalizing the business rules
- Encouraging districts to work with each other
- Promoting a proactive approach in evaluating future Graduation Cohorts

Notes:

Slide 10: Data Variability

- Local Student Information System
- Reorganization of Districts (Unified Districts/Dissolved Districts)
- District interpretation of instructions

Notes:

Slide 11: Evaluating System Controls

Counts of Districts with Errors for the 2011 Cohort Four-Year Graduation Rate vs.
2012 Cohort Four-Year Graduation Rate

Description of Errors	2010-11 SY	2011-12 SY
Unresolved Issues	63	32
Students in Multiple Districts	87	53

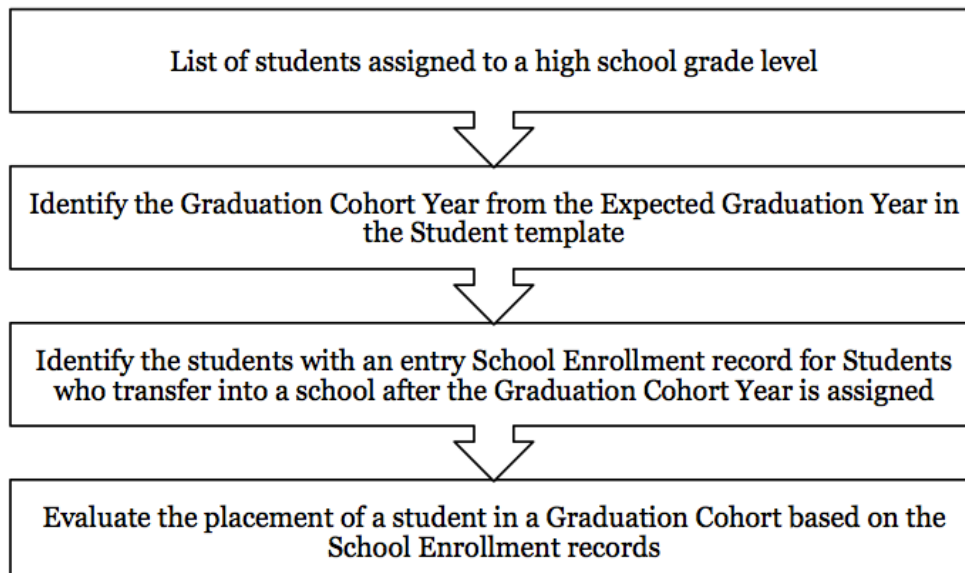
Notes:

Slide 12: Fundamental Requirements

- Best practices with the Unique-ID process
 - Ensuring a student only has one active NDE Student ID
 - Assign active NDE Student ID
 - Retire additional NDE Student IDs
 - NDE Student ID only has one Graduation Cohort Year
- Identify students with multiple NDE Student IDs.
 - Produces a complete record of the student to be evaluated for placement in a Graduation Cohort
 - Use a reference table containing active and retired NDE Student ID

Notes:

Slide 13: Published Business Rules



Slide 14: Validating Data

- Graduation Cohort Years available (2011, 2012, 2013, 2014, 2015)
- Graduation Cohort Analysis Tool (G-CAT)
 - Current Graduation Cohort student list
 - Unresolved Issues/Validation Errors
 - Enroll Info Column
- Enrollment Lookup by ID
- Expected Graduation Year Lookup
- Student Lookup by ID

Notes:

Slide 15: Validating Data

- Get the data from Districts into NSSRS
- Review the Invalid Graduation Cohort Years
- Review Student rosters in a Graduation Cohort
 - Identify students who should be transferred out
 - Identify students who should be transferred in
 - Identify students who should be reported a graduate with a high school diploma
 - Identify students who should be reported a graduate without a high school diploma
- Review the Student rosters for the demographic groups

Notes:

Slide 16: Training Data Collectors

- Data Quality Campaign
 - Trainers are regional by ESUs
- Workdays – Graduation Cohort Training
- Videos – pre-recorded
- Adobe Connect – online training
- Documentation – Guidance, Quick Reference Guides, Template Instructions, FAQ's.
- Data Academies

Notes:

Slide 17: Video Demonstration of Cohort Tools

Notes:

Slide 18: NSSRS Validation Errors and Warnings

Validation No.	Validation Description
64	Students with no School Enrollment Record- Student Template
65	Students with no School Enrollment Record – October Student Snapshot Template
300	More Than One Withdrawal Enrollment Code Using The Maximum Enrollment Date At The Same School And On The Same Day.
438	Intra-District Transfer Without A Following Entry Enrollment Record
439	No Current School Enrollment Record for a High School Student Enrolled In The Previous Year
440	Invalid Expected Graduation Year in the Student template for the Student in 9th Grade.
443	Students enrolled in high school have a blank value in the Expected Graduation Year field in the Student Template
447	Expected Graduation Year less than Cohort Four-Year Graduation calculation. (Warning)
460	Student’s School Enrollment Records Show An “In” and “Out” Record On The Same Day.

Notes:

Slide 19: Reviewing the Cohort Data

- Validation errors concerning possible dropouts;
 - Error 495 “Not Enrolled, Eligible to Return” Not Found in Subsequent School.
 - Student is a potential Dropout.
 - Error 498 “Not Enrolled, Eligible to Return” or “Dropout” Found in the Subsequent School Year.
 - Student is a potential Transfer Out.

Notes:

Slide 20: Making Corrections

- If the corrections are for the current year, upload is completed by the district.
- If the corrections are for previous years, use the Graduation Cohort Resolution Request tool in the Consolidated Data Collection (CDC). This goes to the helpdesk.

Notes:

Slide 21: Resources

Section	Description
NDE	Nebraska Department of Education. (2012). <i>Guidance for graduation cohort</i> . URL = http://www.education.ne.gov/nssrs/docs/Guidance_for_Graduation_Cohort_2_0_0.pdf
USDOE	U.S. Department of Education. (2008). <i>High school graduation rate: Non-regulatory guidance</i> . URL = http://www.education.ne.gov/nssrs/docs/hsgrguidance.pdf
CCSSO	Taylor, <u>Beaudoin</u> , and Goldschmidt. (2007). <i>Quality assurance practices associated with producing cohort graduation rates</i> . URL = http://www.ccsso.org/Documents/2007/Quality_Assurance_Practices_2007.pdf

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Slide 22: Acknowledgements

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