

# Mobility and Identification

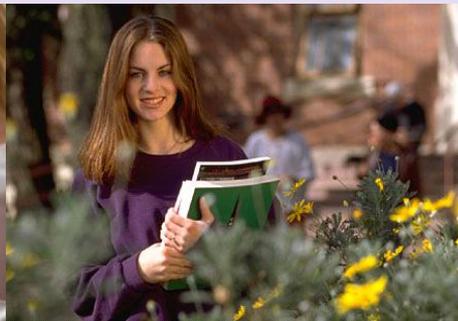
## Solving the Interstate Problem

Jim Addy – Iowa

Kathy Gosa – Kansas

Tom Ogle – Missouri

Bob Beecham - Nebraska





# Interstate Capability

- The ability to share data on students and teachers within and between states across all levels of education.
- The foundation to data sharing across all levels of education within and between states is the unique identification of the person.



# The Problem

- A real challenge of analyzing data on a person across time, location, role, and system is the lack of unique identification across those silos of data.
  - People are mobile across locations (schools/districts, institutions, states) in time.
  - People progress between roles (P-12 student to postsecondary student to teacher).
  - Source systems maintain unique identifiers independent of each other.



# The Solution

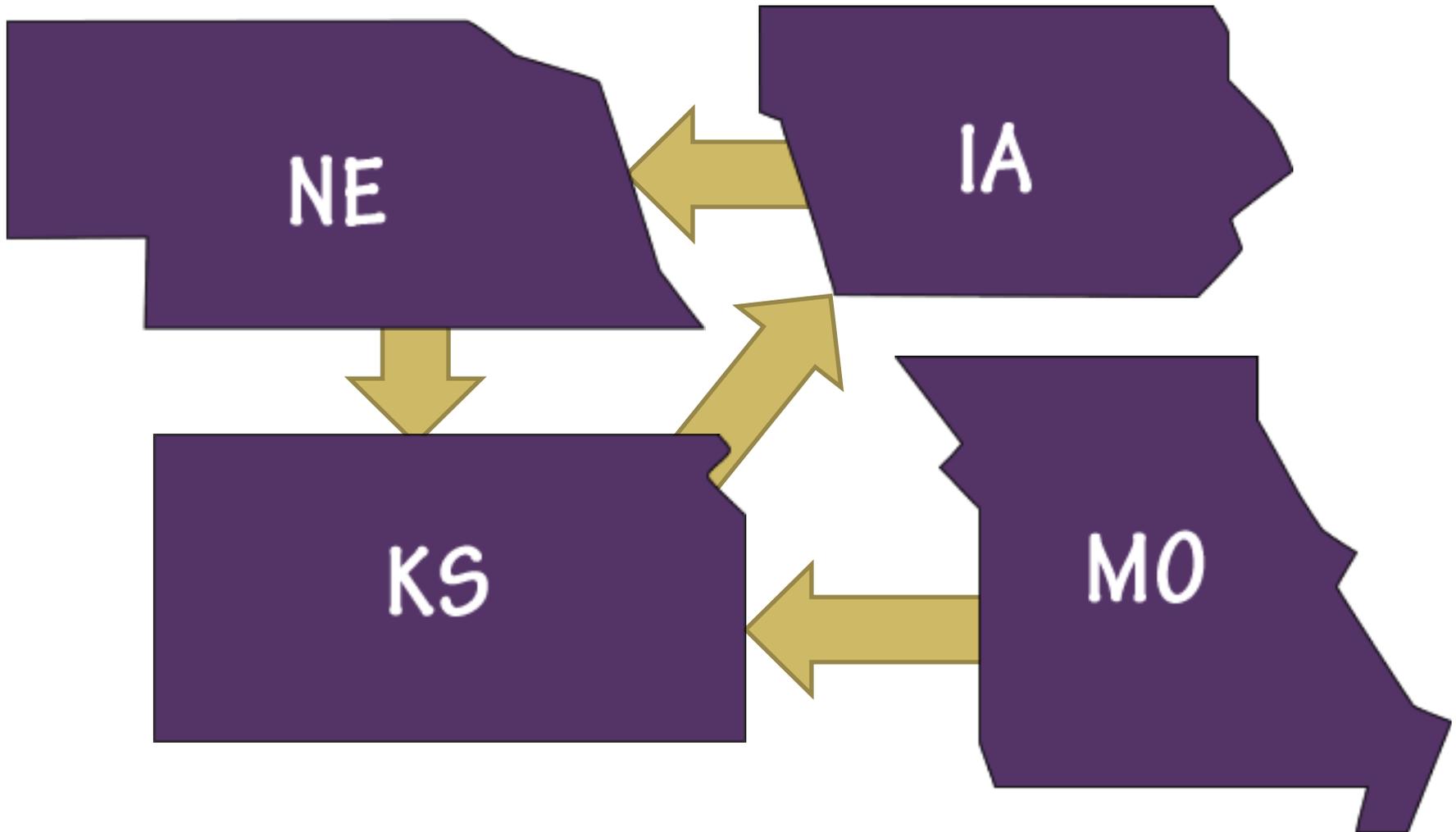
- Generate a crosswalk and nationally unique identifier that is tied to the person across time, location, role and system.
- Offer avenues for the various schools/districts, institutions, and states to communicate about and share identifiers and related data.



# Keys to Interstate Identification

- Non-duplicated identifiers across states
- Communication between states
- Data agreements between states
- Data sharing between states
- Technology and data specifications

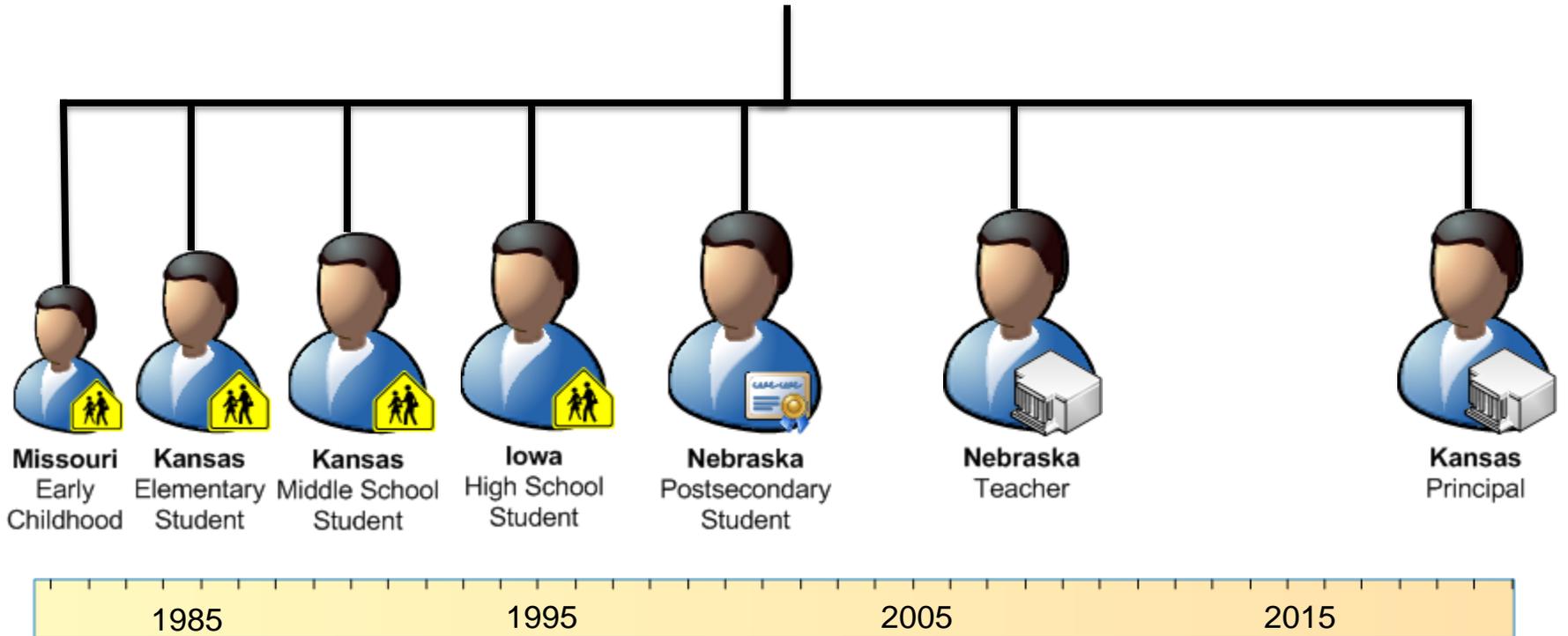
# Interstate Mobility Sample Overview





# Interstate Mobility Illustrated

## Mark Smith\*



1980

2020

*\*Mark Smith is a fictitious character used for example purposes only.*



# Alias ID Crosswalk – Missouri Perspective

## Mark Smith\*

Unique ID	Alias ID/State ID	Source System	Role
3984193863	235745	Kansas City MO - Early Childhood Center	Student
3984193863	1780367988	Kansas City KS Elementary School	Student
3984193863	1780367988	Kansas City KS Middle School	Student
3984193863	6229833832	Council Bluffs IA High School	Student
3984193863	4562205644	University of Nebraska at Omaha	Student
3984193863	4562205644	Lincoln NE Public Schools	Teacher
3984193863	1780367988	Kearney KS School District	Principal

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# The eScholar Approach

- Implementing the Interstate concept in multi-year phases beginning in 2003 with the introduction of a non-duplicated unique identifier system.
  - **Crosswalk IDs** – track ids across states
  - **Interstate ID Searching** – identify potential transfers/false drop-outs/missing students
  - **Interstate Enrollment Verification** – verifying potential transfers/false drop-outs/missing students
  - **Interstate Data Transfers/Transcripts** – transmitting/transferring student record data between states



# The eScholar Approach

- Design and pilot the concept with existing customers throughout the phases.
  - Begin piloting Interstate ID searching in early 2011.
- Provide recommendations on data specifications.



# Mobility and Identification

- Jim Addy – Iowa
- Kathy Gosa – Kansas
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- Bob Beecham - Nebraska



# MOBILITY AND IDENTIFICATION – SOLVING THE INTERSTATE PROBELM

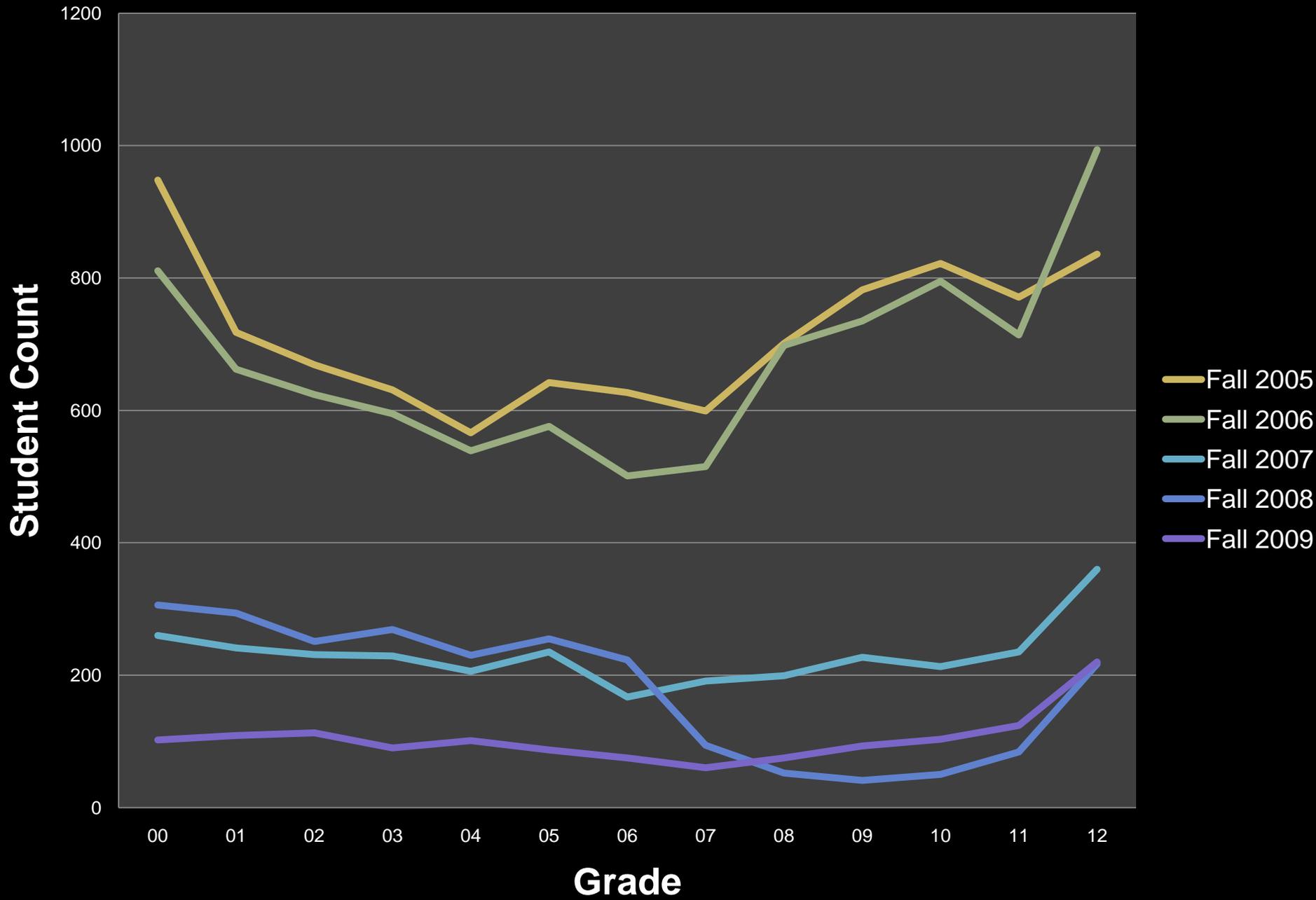
- Quantifying the Issue with Iowa Data

# Issue 1: Dropouts

- Issue for 171 of 361 districts in Iowa
- Quality of data & a dropout application have improved the data component of the issue over time.

Fall	Total Missing	Total Public Enrollment
2005	9,312	483,335
2006	8,759	483,105
2007	2,994	482,584
2008	2,366	480,609
2009	1,352	477,019

# Unreported Students in Fall from Previous Spring

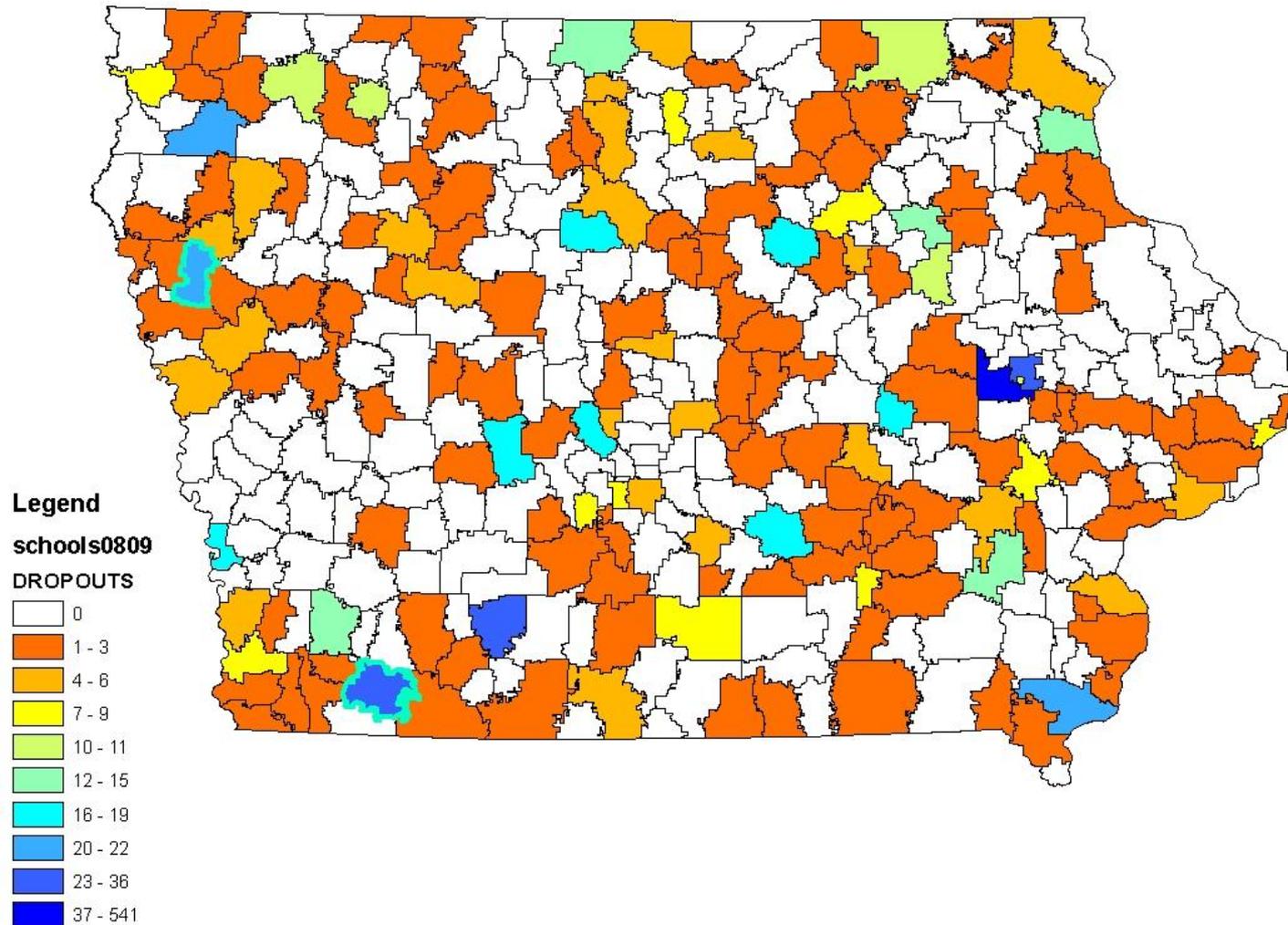


# Dropout per district can be crucial

Per district the ratio can be crucial:

- It is not just the big metro districts on the border; it's the smaller rural, too.
- Two highlighted districts in western Iowa – Woodbury Central & Clarinda - over 3%
- If these were from a specific subpopulation for reporting, it could make scores volatile.

Drop out count per district FY2009



# Issue 2: Out of State Transfers

1. 333 of 362 Districts (FY09) are affected

Students reported as transferring out of state who did not return during the 2009-2010 year: Source EASIER								
South Dakota	Minnesota	Wisconsin	Illinois	Missouri	Kansas	Nebraska	Other	Grand Total
361	532	317	1,355	591	203	748	4,969	9,077

2. It appears the transfers follow jobs more than migrate to the nearest state boundary

# Top 36 Districts with out of State Transfers to States Surrounding Iowa FY 2009

