



Nevada Teacher Mobility

Review of Nevada Mobility Data

May 16, 2020

Photo is for illustrative purposes only.
Any person depicted in the photo is a model.

Analysis Steps

1. Explaining the data
2. Preparing the data
3. Analyzing the results



Explaining the Data

- Analysis is based on individual-level teacher assignment data provided by the Nevada Department of Education
- Information provided includes:
 - > Location assignment (i.e. school and district)
 - > Assignment code (e.g. elementary education, special education, etc.)
 - > Personal characteristics (e.g. race/ethnicity, age, sex)
- Data provided for school years 2015-16 through 2019-20



Explaining the Data cont.

» A few limitations to keep in mind:

- > These data are presented as reported by school districts to the NDE.
- > These data cannot provide a reason for the observed change in assignment location.
- > In 2018-19, the numbers of teachers in Clark and Elko counties drop dramatically and then return to the prior level in the following year. The reason for this drastic shock is not known. **Information that includes 2018-19 data should be interpreted cautiously.**



Preparing the Data

Data were prepared in the following steps:

- Restricted to teacher assignment service codes
- Identified a single location assignment, excluding teachers with multiple assignments (~1.24%)
- Created mobility categories based on comparing current year to following year



Analyzing Mobility

Considered mobility from the following perspectives:

- >> Statewide
- >> By district
- >> By locale

Data may be provided in the following formats:

- >> Charts
- >> Maps

Analyzing Mobility cont.

- As a reminder, “*mobility categories*” in this context refers to all possible movements of teachers year to year, including staying in the same assignment.
- “*Mobility rate*” refers to the percentage of teachers who did not stay in their same assignment.
- Specific mobility categories generally include:
 - > *Stayers* – retained to school
 - > *Moved Schools* – moved to a different school within district
 - > *Moved Districts* – moved to a different district within the state
 - > *Left State* – not retained within the state public education system

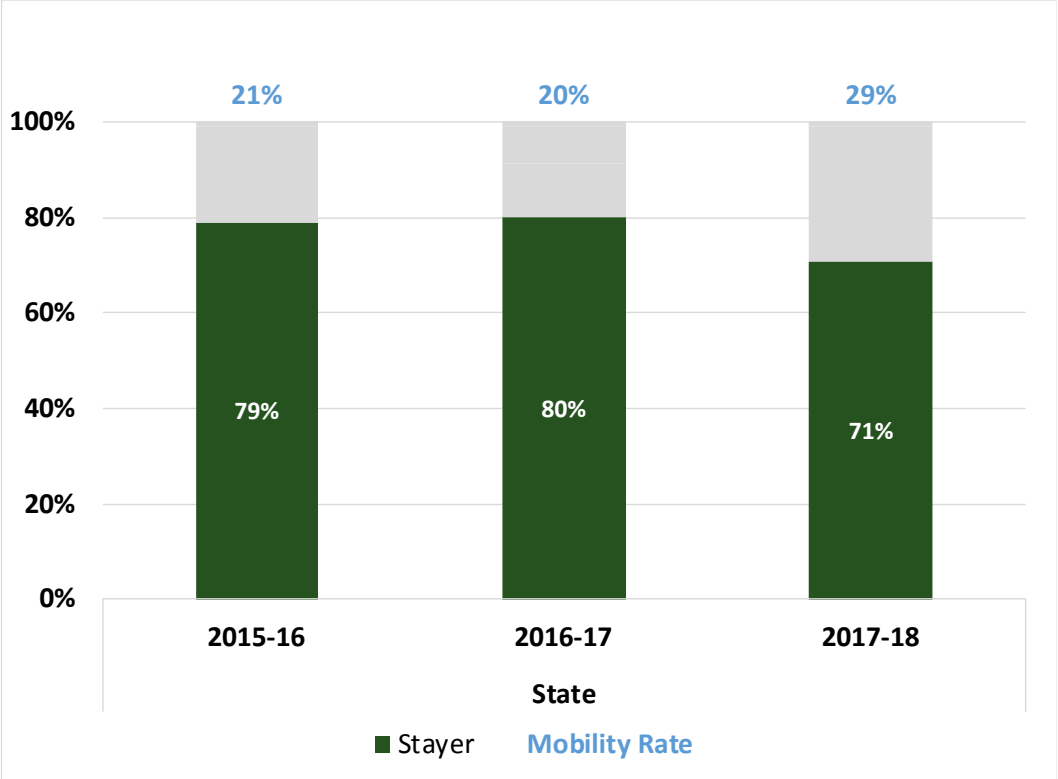


Data Visualizations

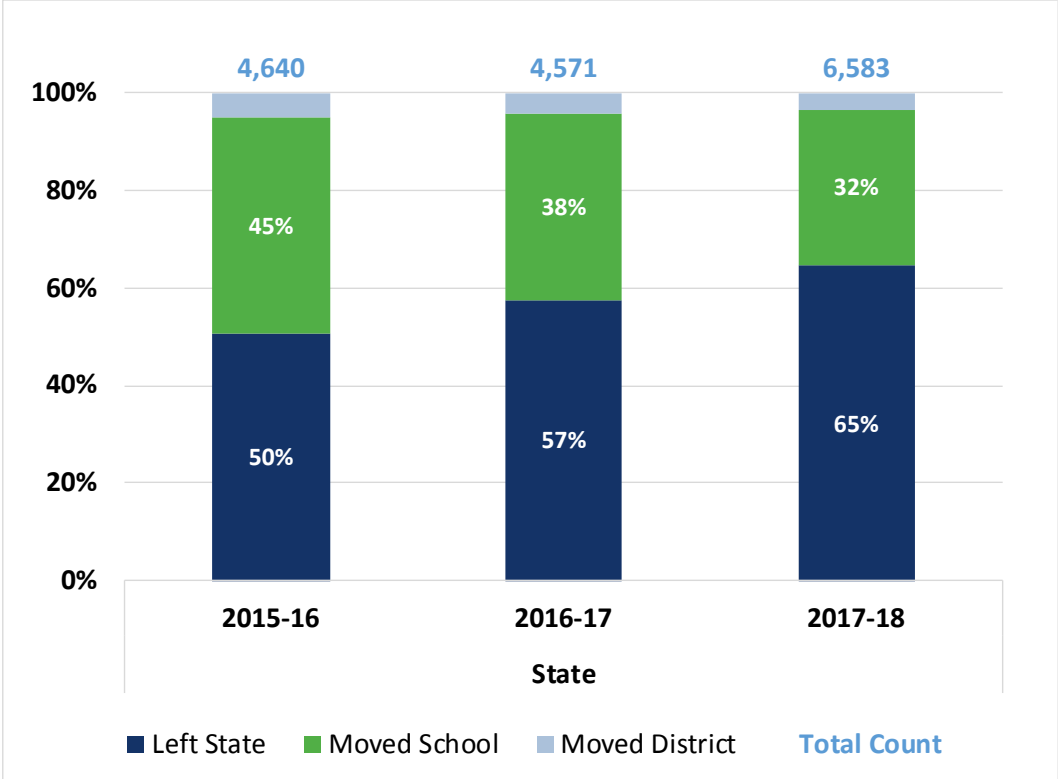
A Selection of Teacher Mobility
Data Visualizations

Statewide Mobility Trends

Overall Statewide Mobility and Mobility Rate – 2015-16 through 2017-18

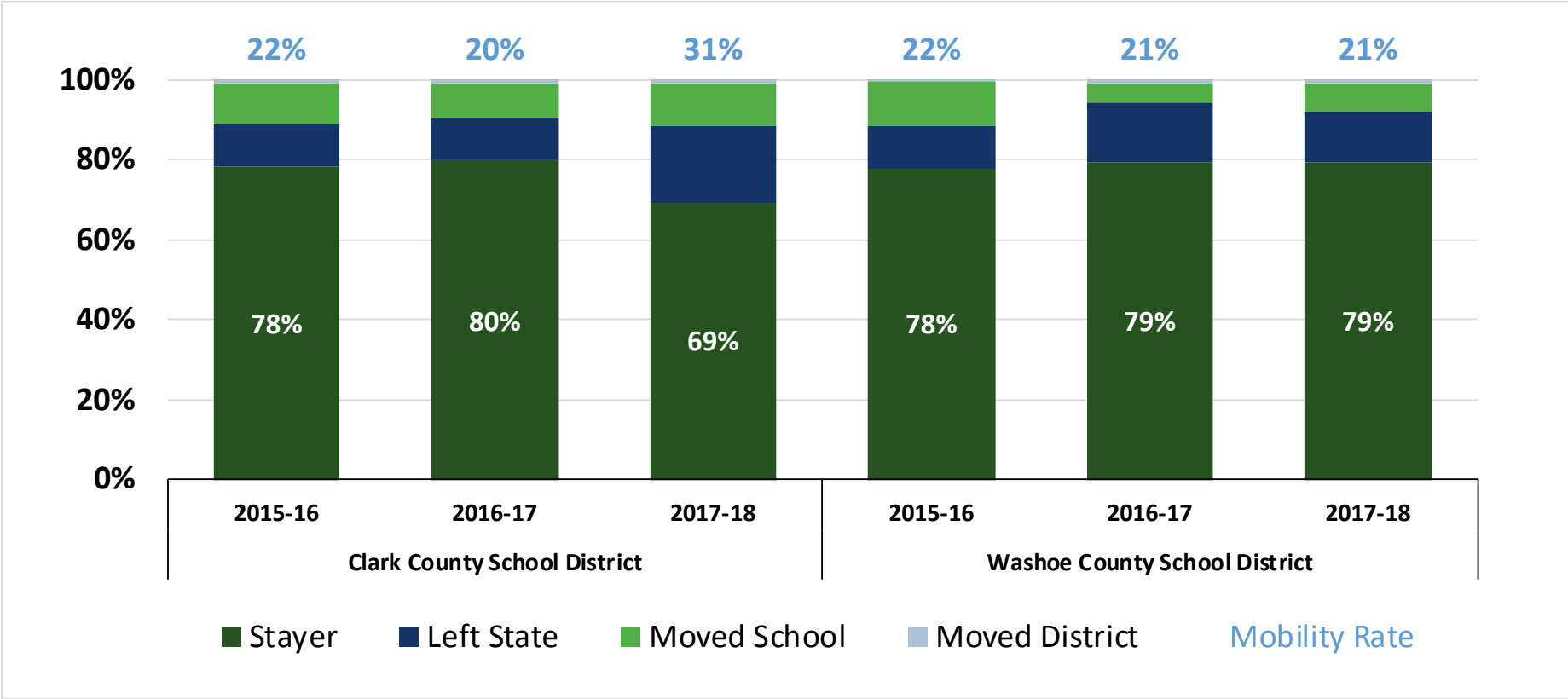


Statewide Decomposition of Mobility – 2015-16 through 2017-18



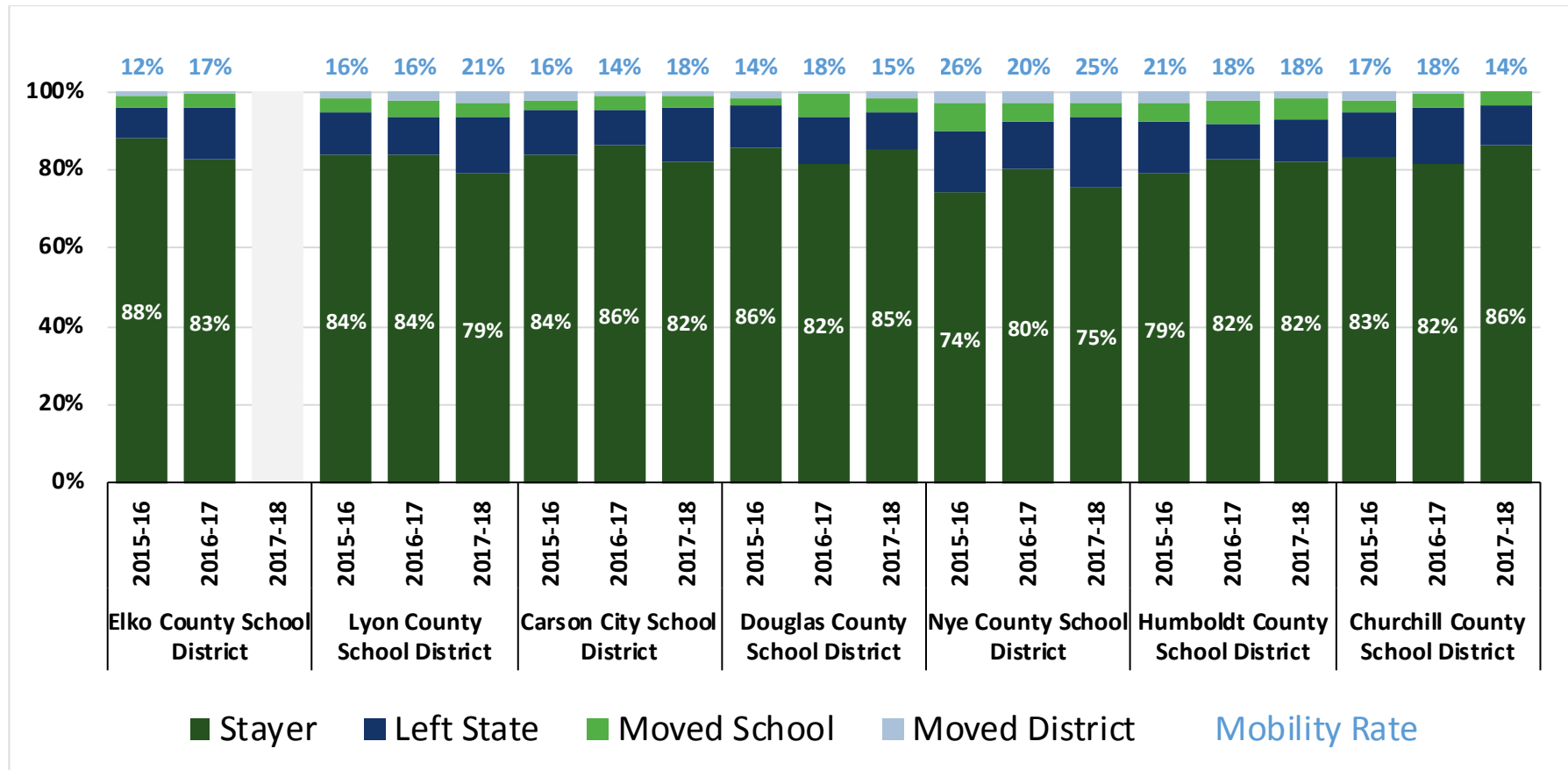
Teacher Mobility by District

Decomposition of Mobility in Clark and Washoe Counties – 2015-16 through 2017-18



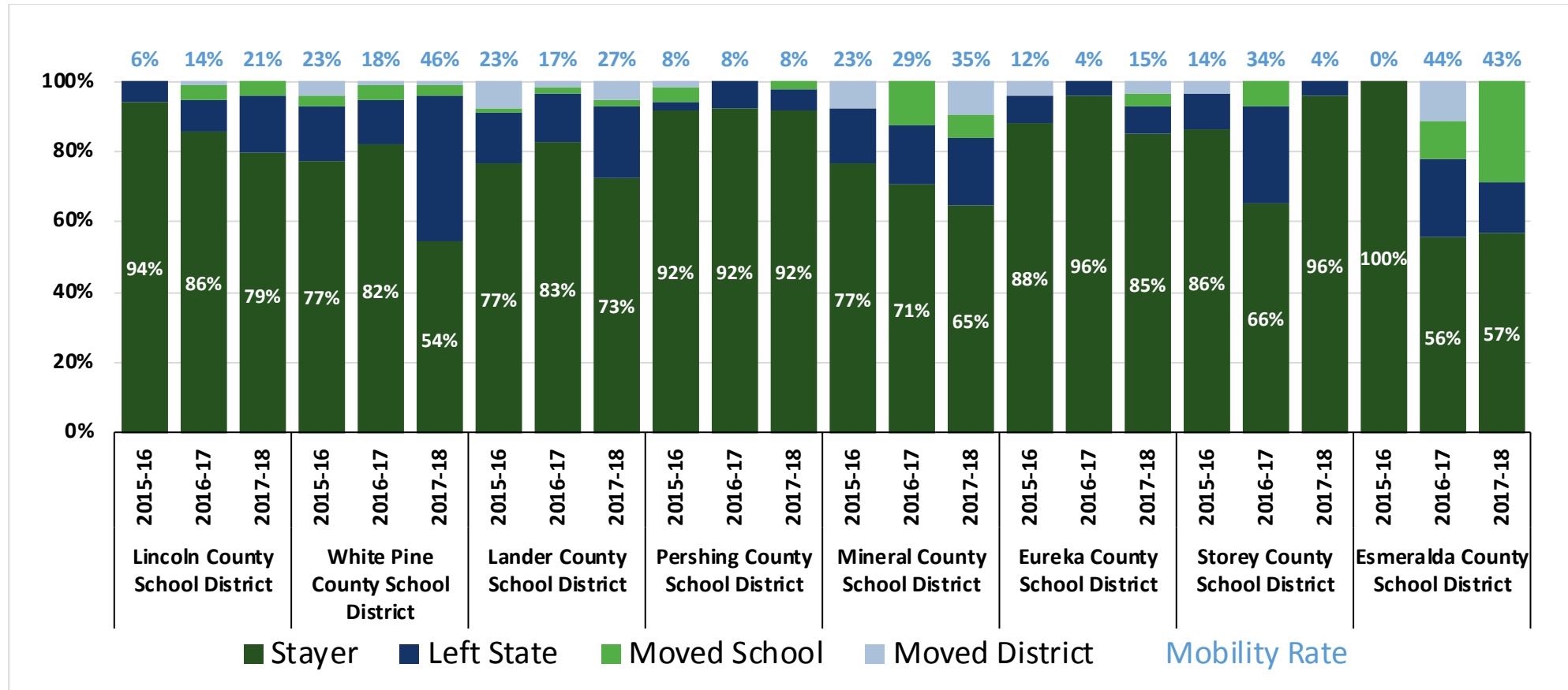
Teacher Mobility by District cont.

Decomposition of Mobility in Mid-sized Districts (100 to 600 teachers) – 2015-16 through 2017-18



Teacher Mobility by District cont.2

Decomposition of Mobility in Small Districts (<100 teachers) – 2015-16 through 2017-18



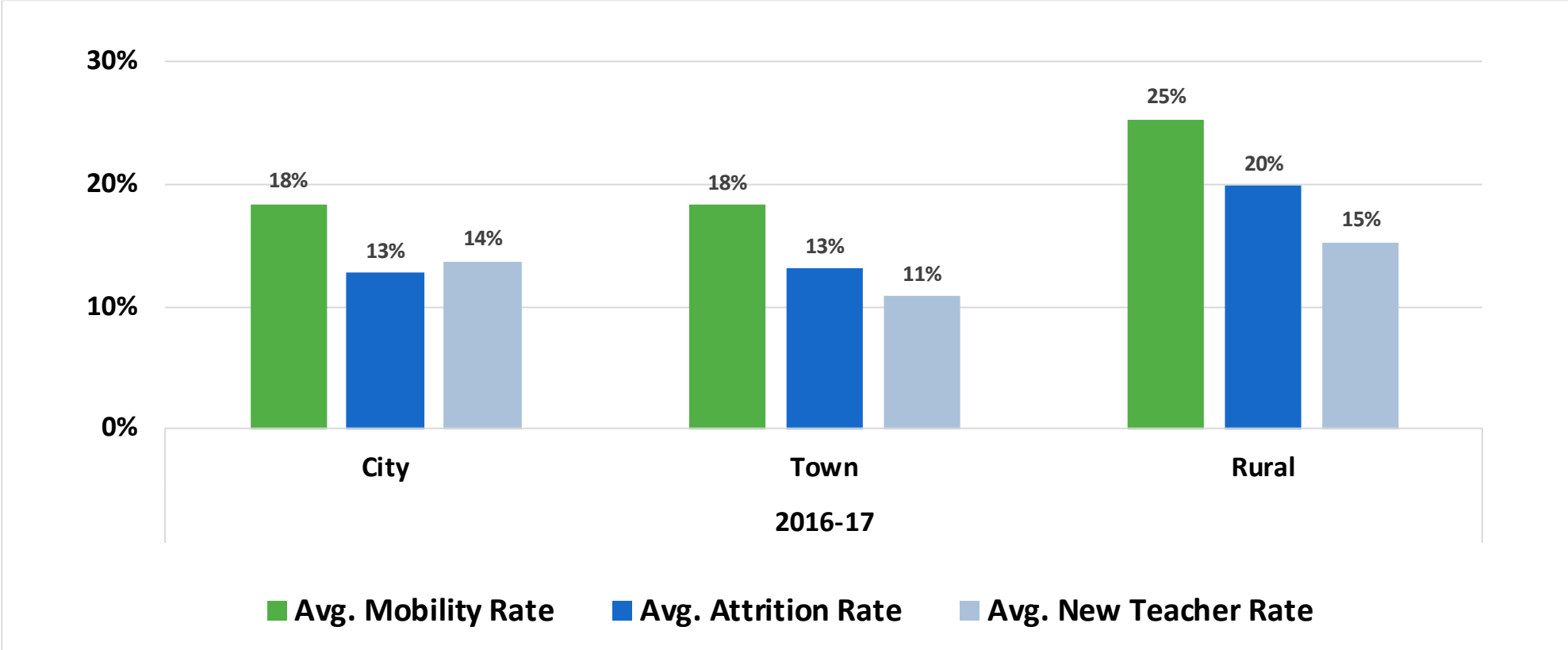
Locale Codes

- NCES locale codes divide districts into categories based on their proximity to a metro center.
- There are four overarching categories: (1) City, (2) Suburb, (3) Town, and (4) Rural. Below is a description of each:
 - > **City:** within an urbanized area or within a principal city
 - Clark, Carson City, and Washoe
 - > **Town:** territory inside an urban cluster
 - Churchill, Douglas, Elko, Humboldt, Lander, Lyon, Mineral, and White Pine
 - > **Rural:** census-defined rural territory
 - Esmeralda, Eureka, Lincoln, Nye, Pershing, and Storey



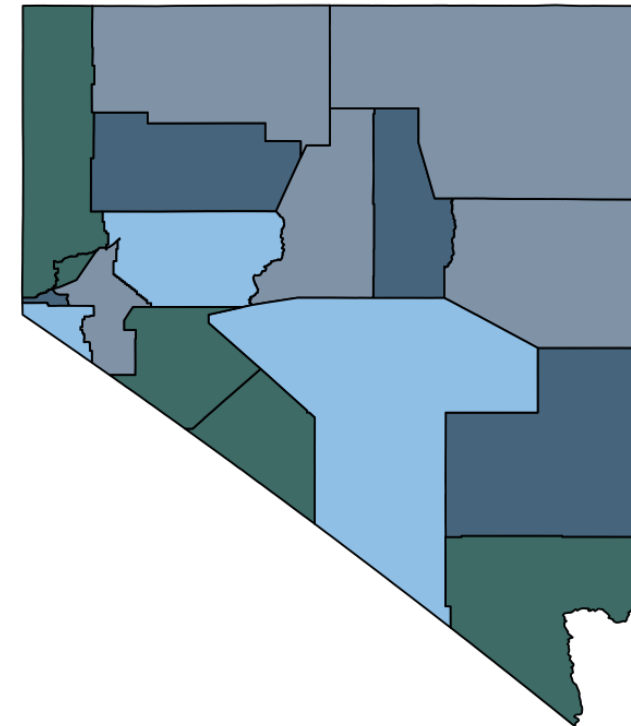
Average Mobility by Locale

Average Mobility Data by District Locale – 2016-17



Mobility Rate by District – 2016-17

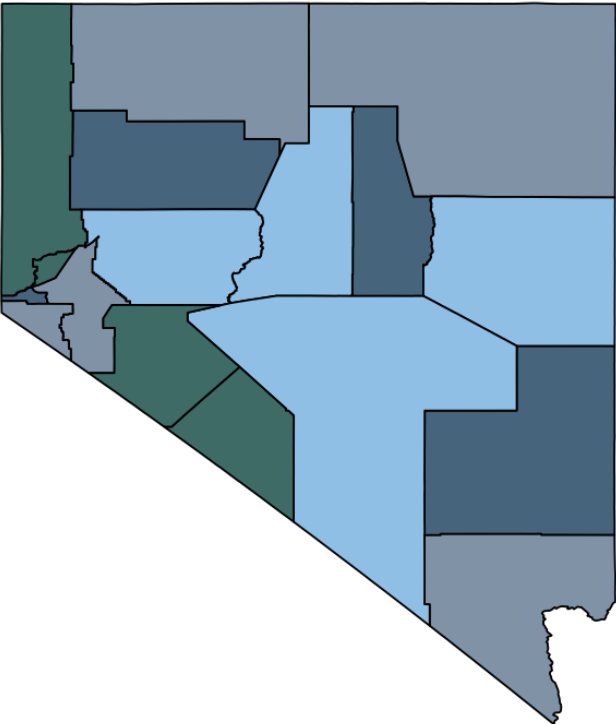
Year	District	Mobility Count	Mobility Rate
2016-17	Esmeralda County School District	4	44.4%
	Storey County School District	10	34.5%
	Mineral County School District	7	29.2%
	Washoe County School District	773	20.9%
	Clark County School District	3,330	20.4%
	Nye County School District	51	20.0%
	Douglas County School District	61	18.4%
	Churchill County School District	29	18.4%
	White Pine County School District	13	18.1%
	Humboldt County School District	32	17.6%
	Elko County School District	99	17.3%
	Lander County School District	10	17.2%
	Lyon County School District	78	16.4%
	Lincoln County School District	10	14.1%
	Carson City School District	59	13.8%
Pershing County School District	4	7.8%	
Eureka County School District	1	3.8%	



- >20.4%
- 18.1% - 20.4%
- 16.4% - 18.1%
- <16.4%

Attrition Rate by District - 2016-17

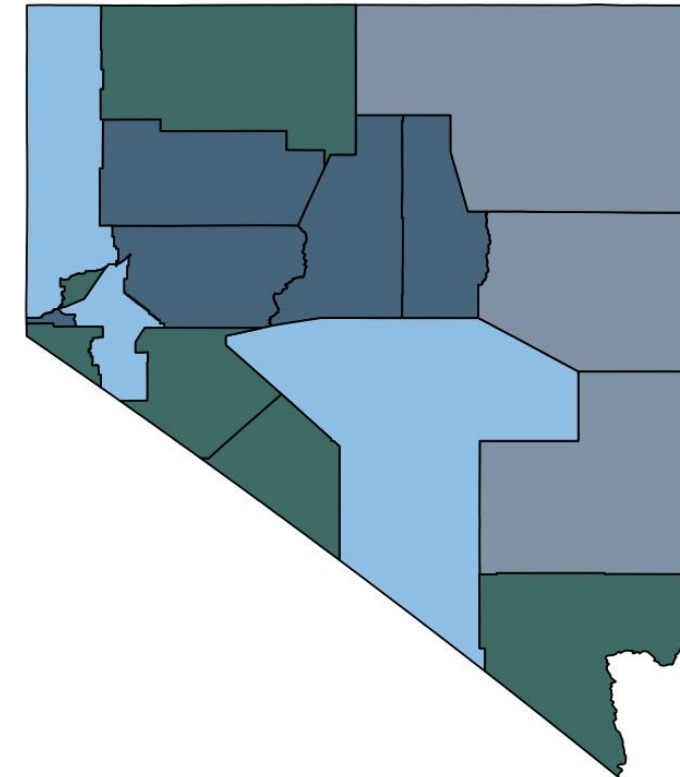
Year	District	Attrition Count	Attrition Rate
2016-17	Esmeralda County School District	3	33.3%
	Storey County School District	8	27.6%
	Mineral County School District	4	16.7%
	Washoe County School District	585	15.8%
	Nye County School District	40	15.7%
	Lander County School District	9	15.5%
	Churchill County School District	23	14.6%
	White Pine County School District	10	13.9%
	Elko County School District	76	13.3%
	Douglas County School District	41	12.3%
	Lyon County School District	56	11.8%
	Clark County School District	1,888	11.6%
	Humboldt County School District	21	11.5%
	Carson City School District	46	10.8%
	Lincoln County School District	7	9.9%
Pershing County School District	4	7.8%	
Eureka County School District	1	3.8%	



- >15.7%
- 13.3% - 15.7%
- 11.5% - 13.3%
- <11.5%

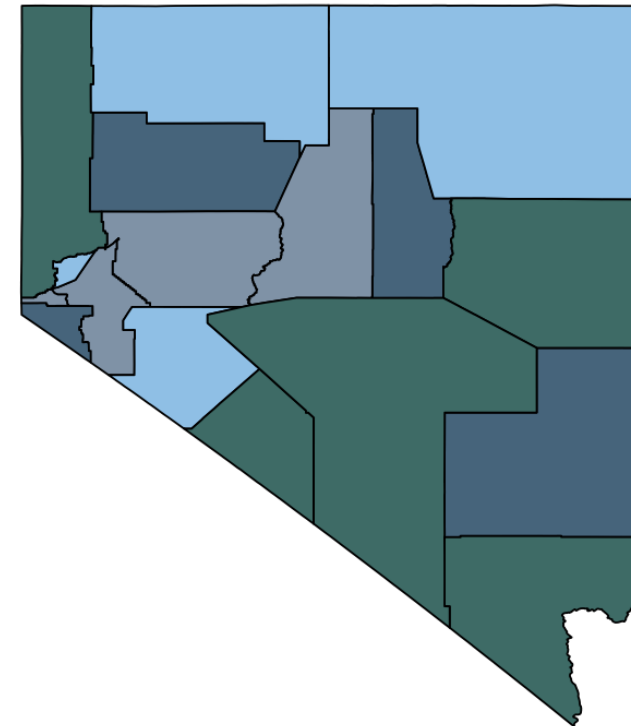
Churn Rate by District – 2016-17

Year	District	Churn Count	Churn Rate
2016-17	Mineral County School District	3	12.5%
	Esmeralda County School District	1	11.1%
	Clark County School District	1,442	8.8%
	Storey County School District	2	6.9%
	Humboldt County School District	11	6.0%
	Douglas County School District	20	6.0%
	Washoe County School District	188	5.1%
	Lyon County School District	22	4.6%
	Nye County School District	11	4.3%
	Lincoln County School District	3	4.2%
	White Pine County School District	3	4.2%
	Elko County School District	23	4.0%
	Churchill County School District	6	3.8%
	Carson City School District	13	3.0%
	Lander County School District	1	1.7%
Pershing County School District	-	0.0%	
Eureka County School District	-	0.0%	



New Teacher Rate by District – 2016-17

Year	District	New Count	New Rate
2016-17	Esmeralda County School District	3	33.3%
	White Pine County School District	15	20.8%
	Nye County School District	42	16.5%
	Washoe County School District	575	15.6%
	Clark County School District	2,252	13.8%
	Storey County School District	4	13.8%
	Humboldt County School District	23	12.6%
	Mineral County School District	3	12.5%
	Elko County School District	70	12.2%
	Lander County School District	7	12.1%
	Carson City School District	50	11.7%
	Lyon County School District	49	10.3%
	Churchill County School District	16	10.1%
	Pershing County School District	4	7.8%
	Eureka County School District	2	7.7%
	Douglas County School District	21	6.3%
Lincoln County School District	4	5.6%	



Questions?



Disclaimer

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