

University of New Mexico  
Geospatial and Population Studies



# New Mexico Population Estimates and Projections

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New Mexico Data User's Conference

November 19, 2015

New Mexico  
and the  
2020 Census

# New Mexico's Vulnerability to Undercount

- 2000: Undercount in New Mexico was 1.94%
- 2010: 1.5% of US Hispanic Population and 4.9% of US American Indians living on reservations were undercounted
- **2020: An undercount of just 1% could cost NM \$370,000,000 over ten years**

Sources: Price Waterhouse Coopers, *Effect of Census 2000 Undercount on Federal Funding to States and Selected Counties, 2002-2012*. Aug 2001; US Census Bureau, *2010 Census Coverage Measurement Results*; Brookings Institute, *Federal Domestic Assistance Allocated on the Basis of Statistics Based on the Decennial Census, U.S. and States, FY2007*

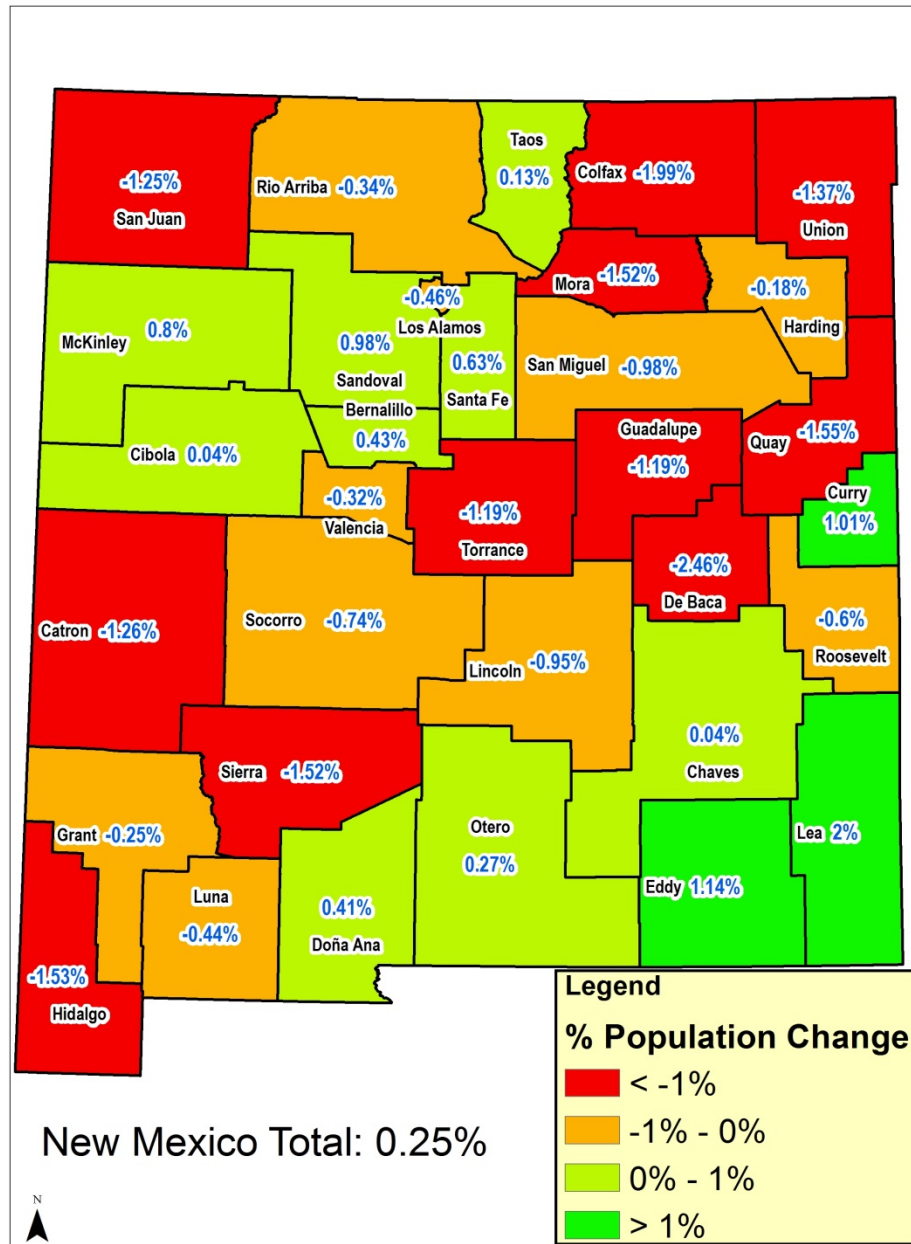
# Census 2020 “The Most Innovative Operational Design Since 1790”

## Four Key Innovation Areas

1. Reengineering Address Canvassing
2. Optimizing Self Response
3. Utilizing Administrative Records and Third-Party Data
4. Reengineering Field Operations

# Population Estimates

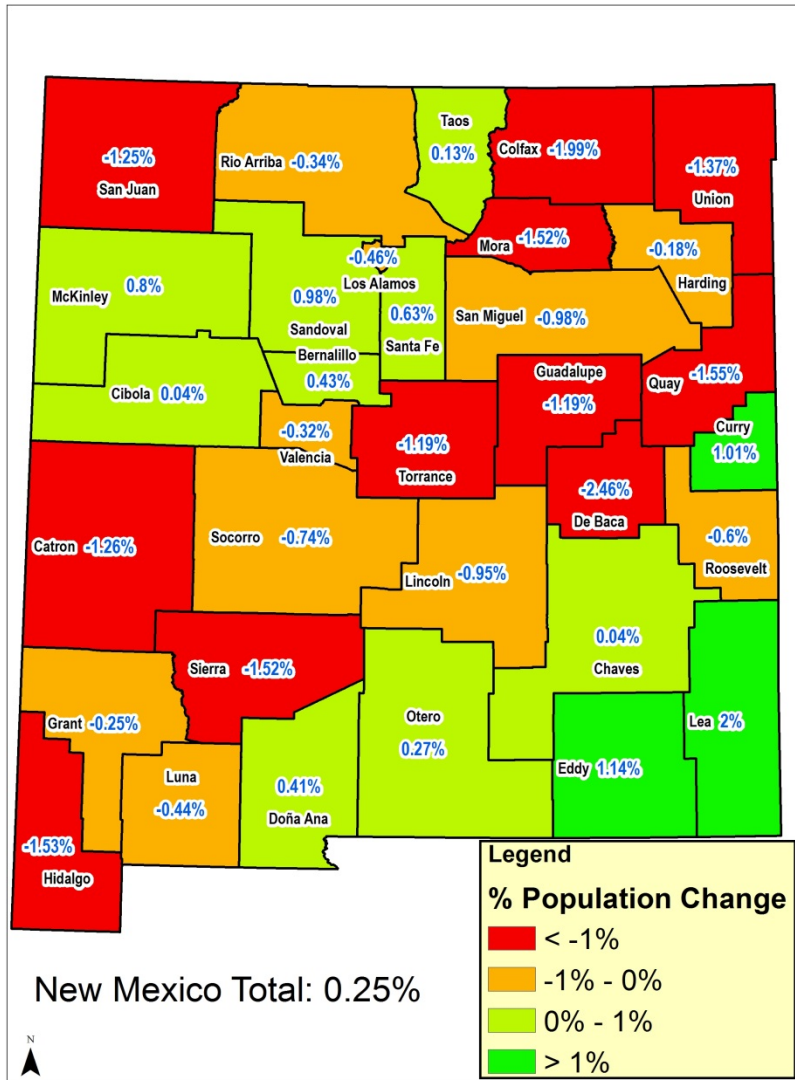
Current Population =  
Population from Previous Census  
+ Natural Increase (Births – Deaths)  
+ Net Migration (In – Out)



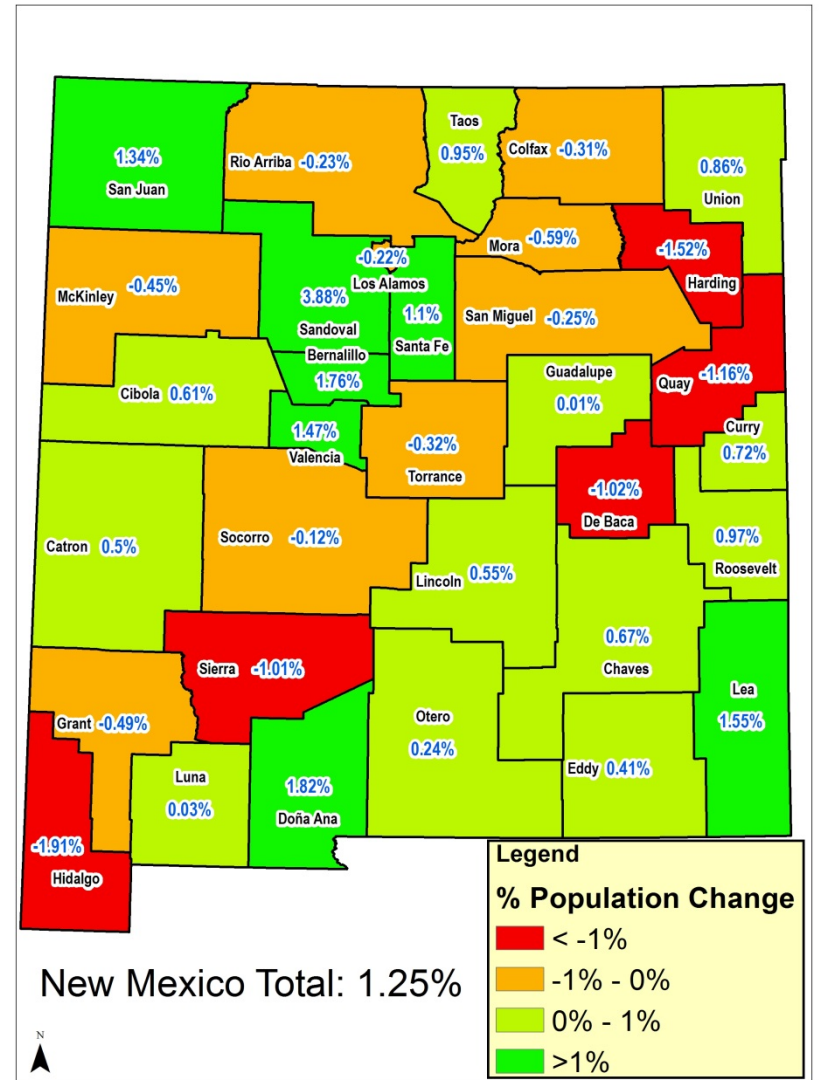
New Mexico Total: 0.25%

0 20 40 80 Miles  
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 University of New Mexico 2015  
 Data Source: ESRI and U.S. Census

NM Counties  
 Average Annual Growth Rates 2010-2014



NM Counties  
 Average Annual Growth Rates 2010-2014



NM Counties  
 Average Annual Growth Rates 2000-2010

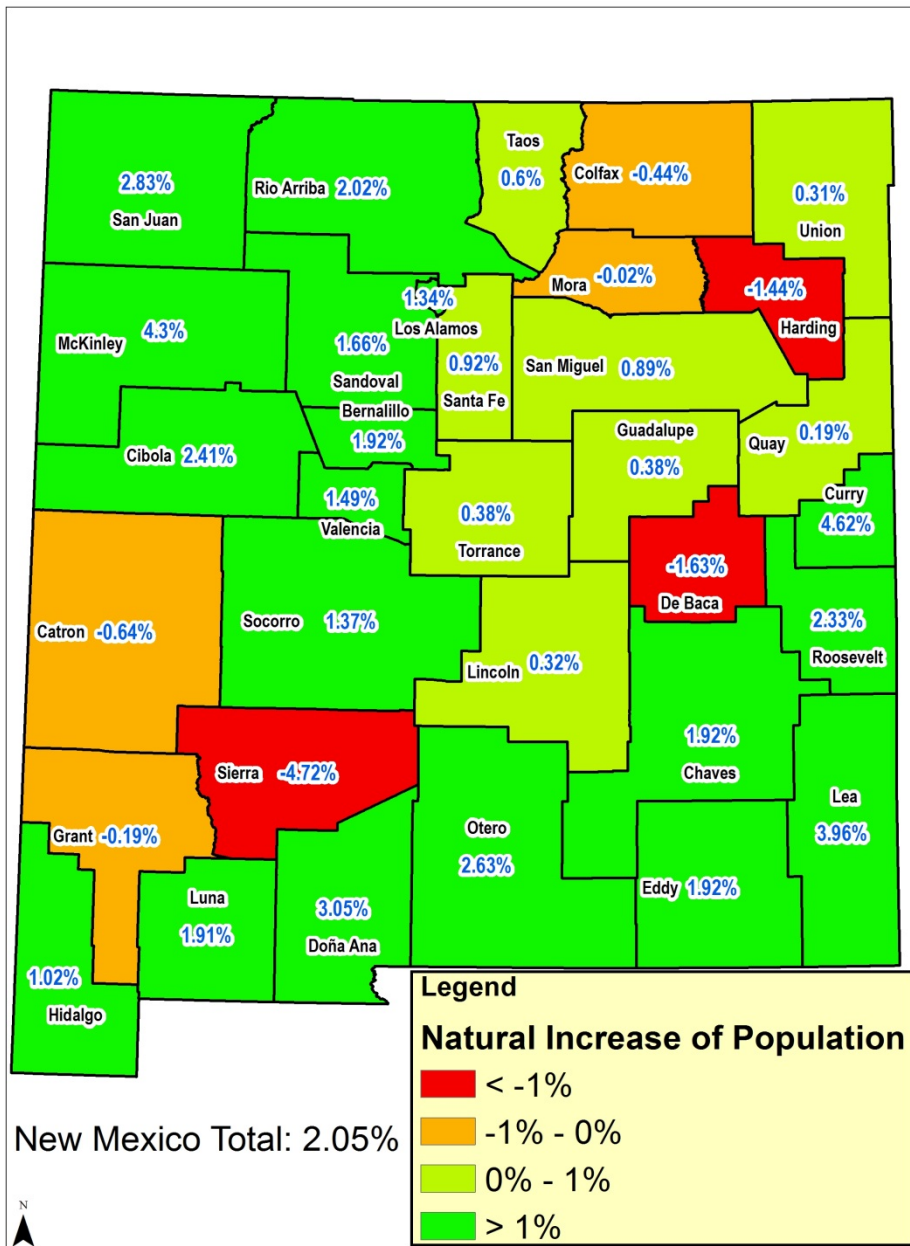
# Population Estimates

Current Population =

Population from Previous Census

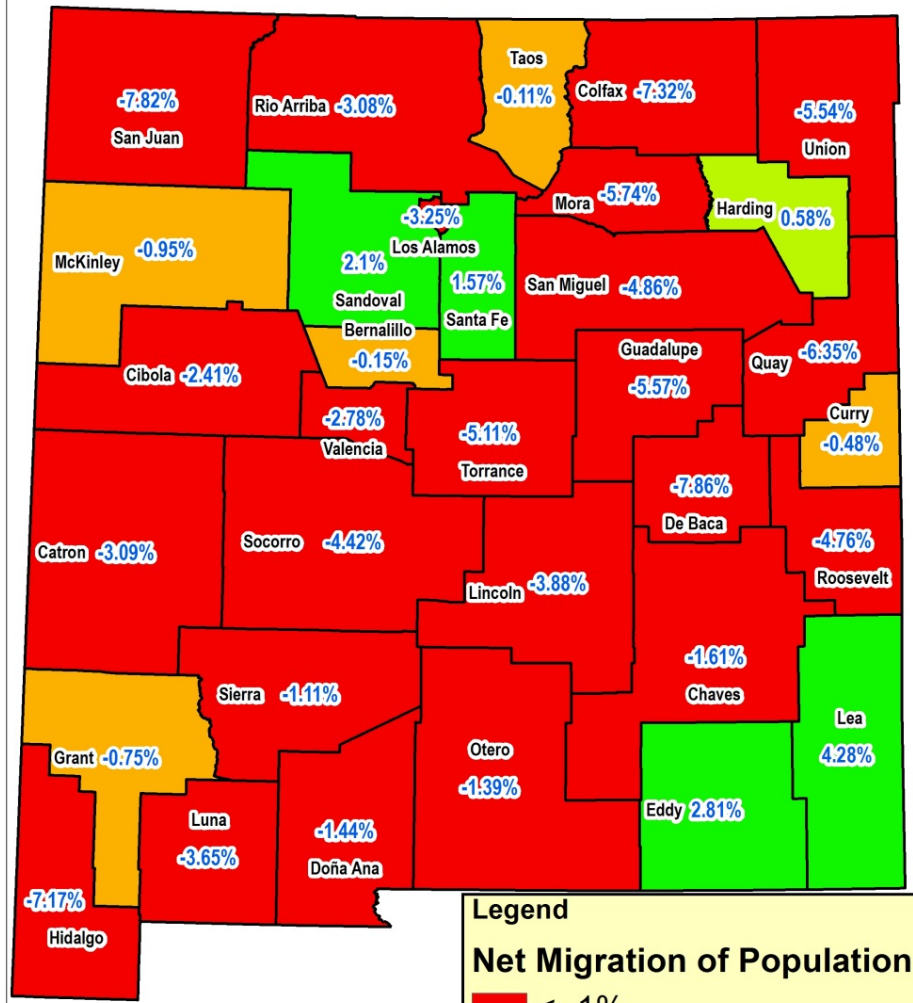
+ Natural Increase (Births – Deaths)

+ Net Migration (In – Out)



0 20 40 80 Miles  
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NM Counties  
 Natural Increase of Population 2010-2014



New Mexico Total: -1.04%

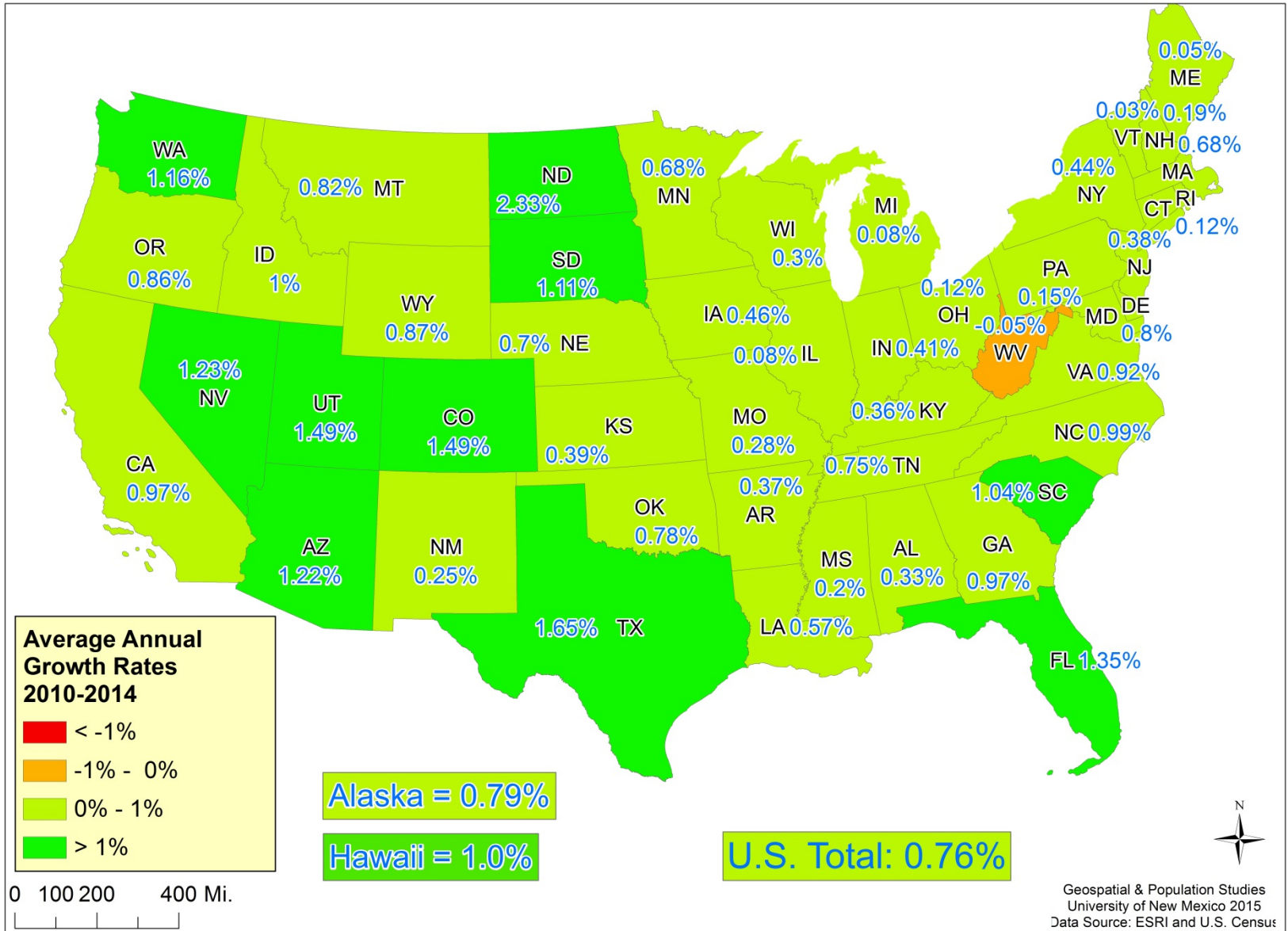
**Legend**

**Net Migration of Population**

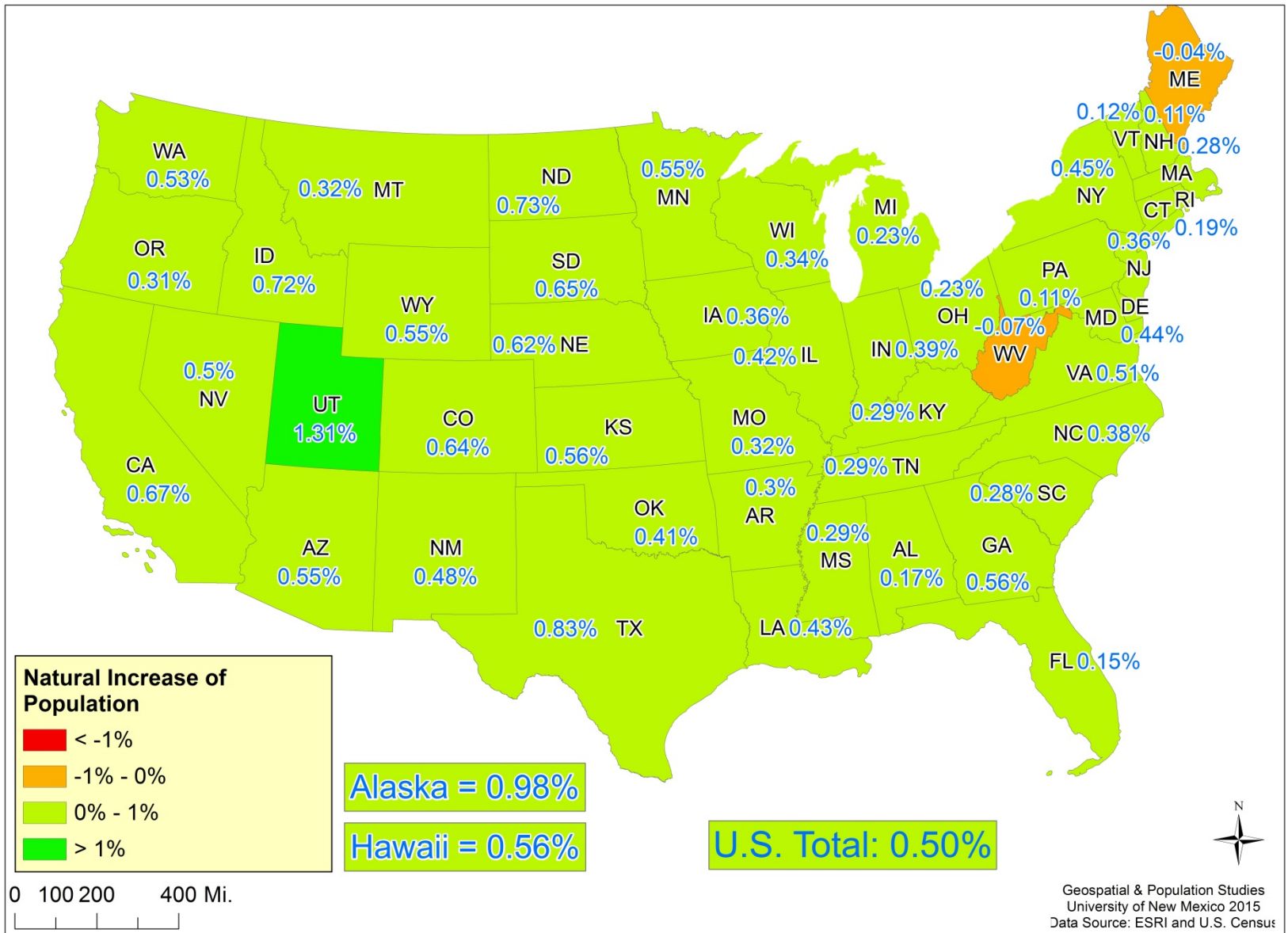
- < -1%
- 1% - 0%
- 0% - 1%
- > 1%

N  
 0 20 40 80 Miles  
 Geospatial & Population Studies  
 University of New Mexico 2015  
 Data Source: ESRI and U.S. Census

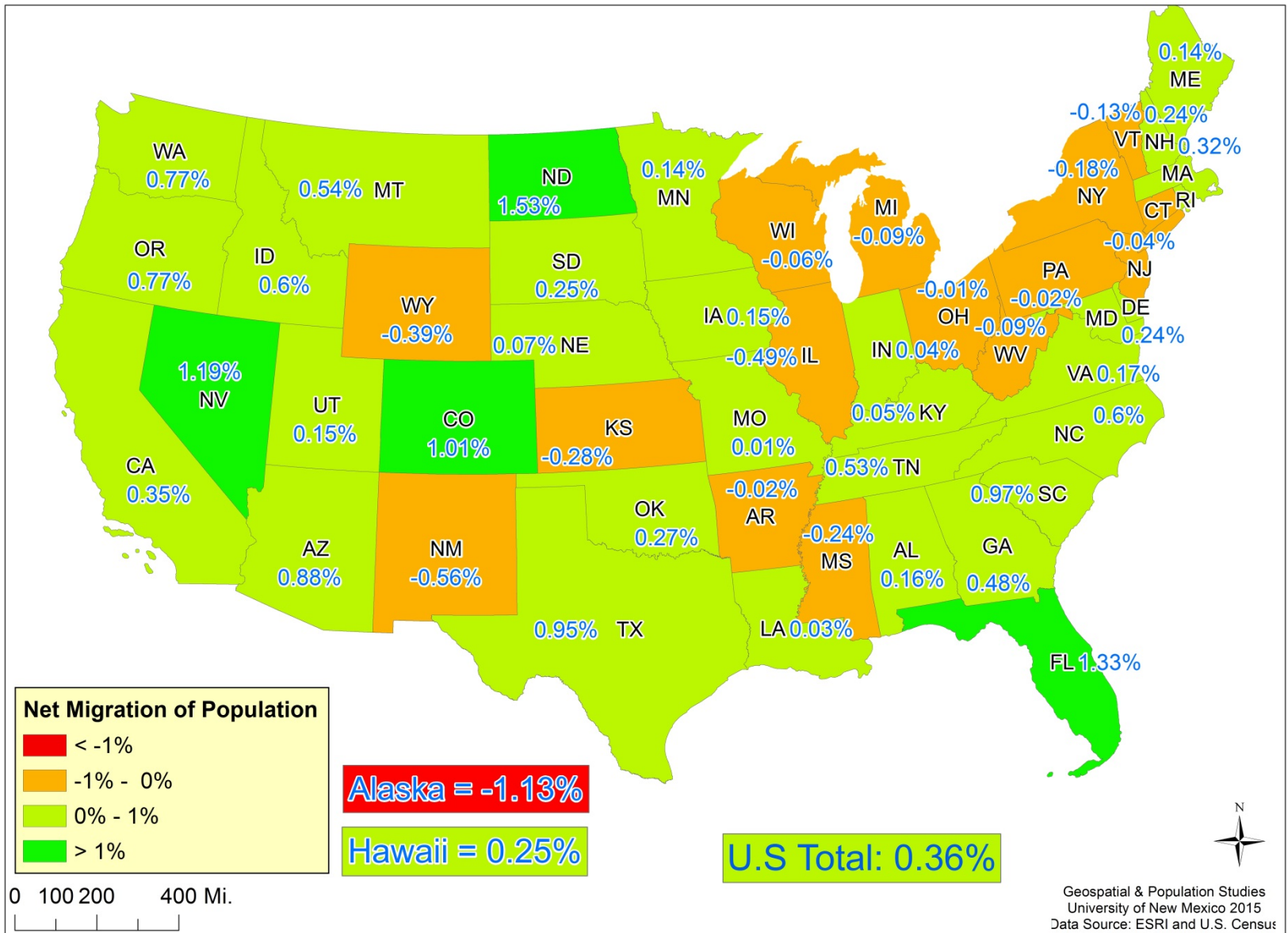
NM Counties  
 Net Migration of Population 2010-2014



U.S. Average Annual Growth Rates 2010-2014



U.S. Natural Increase of Population 2010-2014



U.S. Net Migration of Population 2010-2014

# Projections

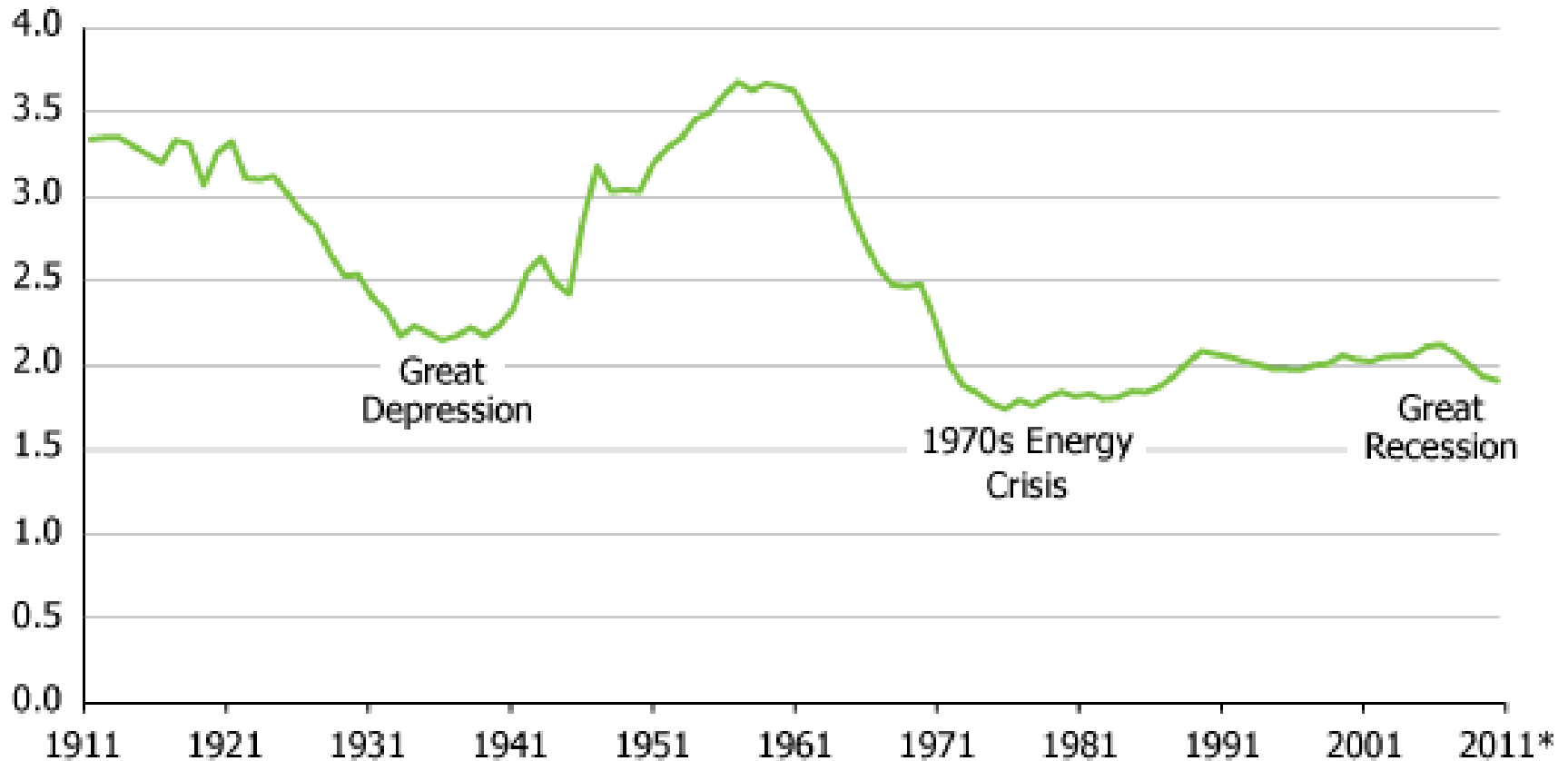
- Method Types
  - Trend Extrapolation
  - Cohort-Component
  - Structural Models e.g.  
Economic-Demographic

# Projection Equation

Projected Population =  
Current Population  
+ Projected Natural Increase  
(Births – Deaths)  
+ Projected Net Migration  
(In – Out)

# Fertility

Number of Children per Woman



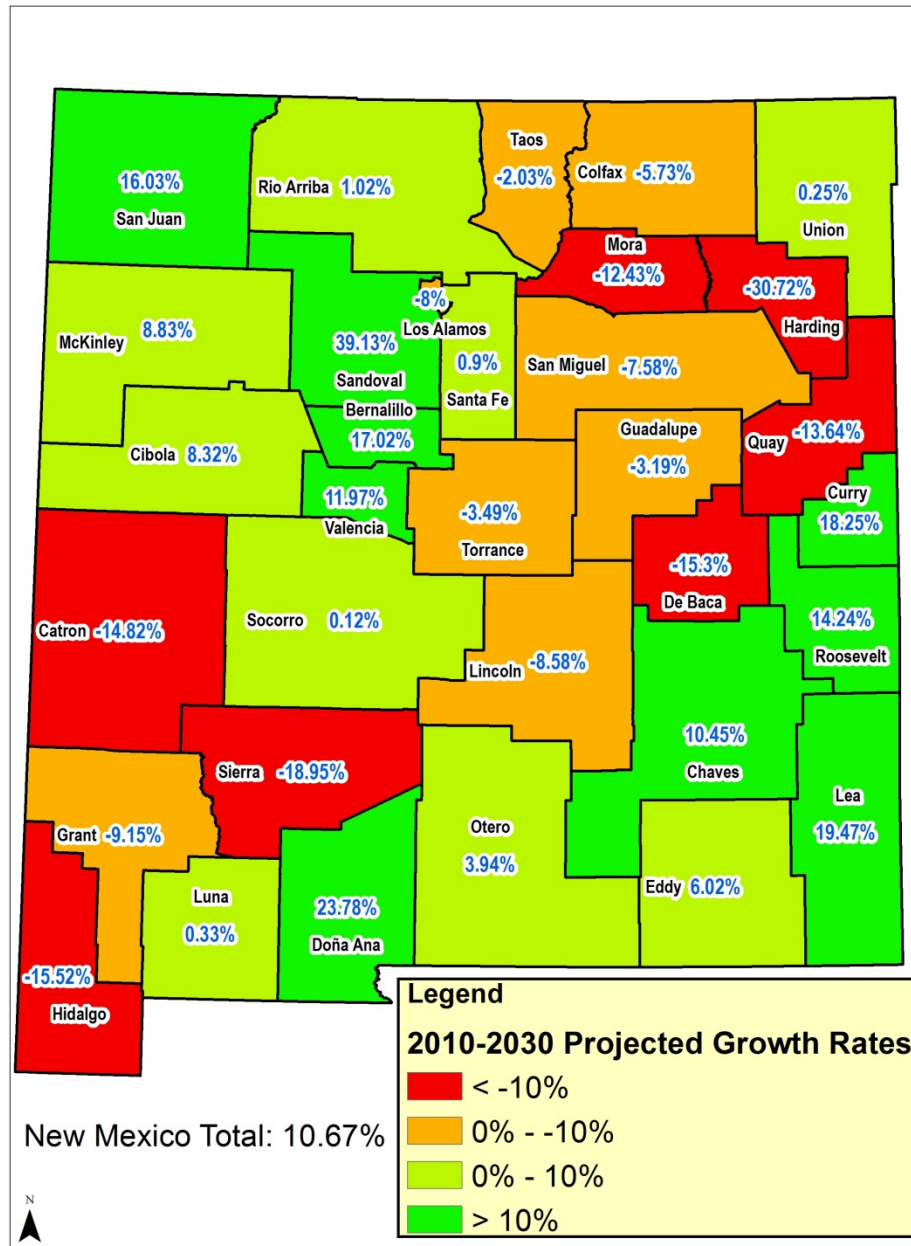
Source: Population Reference Bureau, *Fact Sheet: The Decline in U.S. Fertility*.  
2012

# Mortality

Rates are decreasing across all ages, sexes, races and classes except:

“The mortality rate for whites 45 to 54 years old with no more than a high school education increased by 134 deaths per 100,000 people from 1999 to 2014.”

Source: Kolata, Gina “Death Rates Rising for Middle-Aged White Americans, Study Finds.” *New York Times*. 2, Nov, 2015



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 Data Source: ESRI and U.S. Census

NM Counties  
 2010-2030 Projected Growth Rates

# Zero Migration Scenario

- New Mexico 2020 – 2,152,000  
4.5% Ten Year Growth
- New Mexico 2030 – 2,213,000  
6.1% Twenty Year Growth
- New Mexico 2040 – 2,230,000  
8.29% Thirty Year Growth

# High Migration Scenario

- New Mexico 2020 – 2,225,000  
8.05% Ten Year Growth
- New Mexico 2030 – 2,470,000  
19.9% Twenty Year Growth
- New Mexico 2040 – 2,718,000  
32% Thirty Year Growth

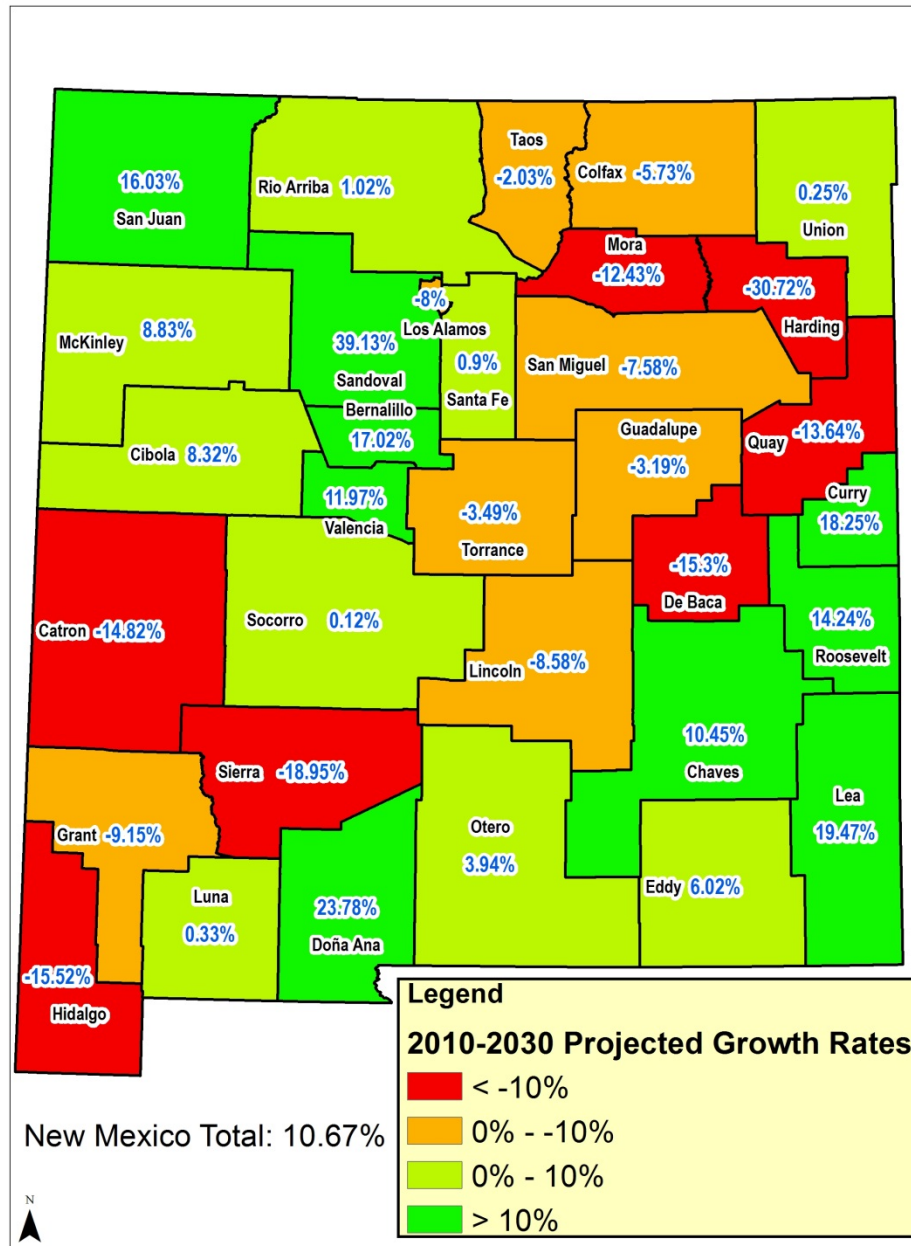
# Half Migration Scenario

- New Mexico 2020 – 2,185,000  
6.2% Ten Year Growth
- New Mexico 2030 – 2,334,000  
13.4% Ten Year Growth
- New Mexico 2040 – 2,449,000  
18.9% Twenty Year Growth

# New Mexico Share of the Census Bureau's National Projections

0.65% of Nation (GPS Half Migration)

- 2020 - 2,174,000 (2,185,000)
- 2030 - 2,336,000 (2,334,000)
- 2040 - 2,471,000 (2,449,000)



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NM Counties  
 2010-2030 Projected Growth Rates



New Mexico is  
Greater than the  
Sum of its Data



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# Comments or Questions???

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