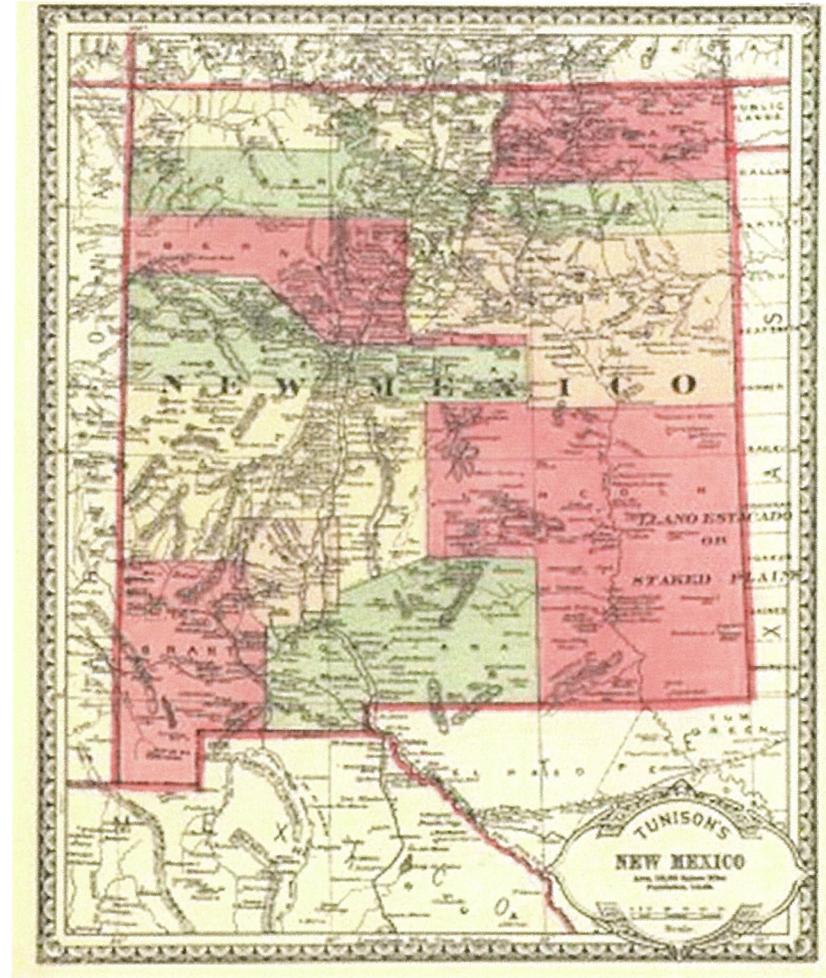


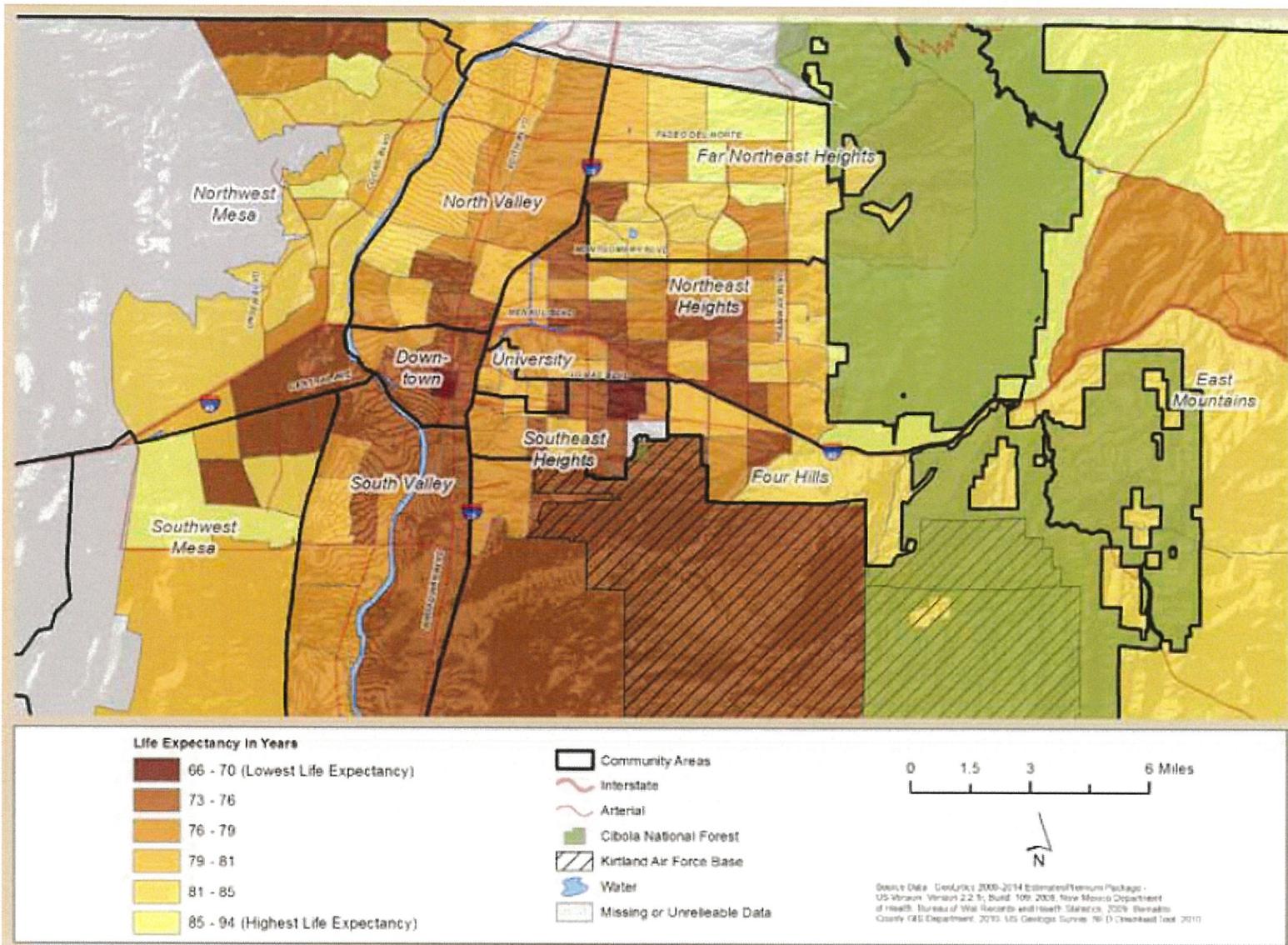
What Do Health Disparities Mean For New Mexico?

**Prepared For The
Legislative Health and
Human Services Committee
Santa Fe, New Mexico
July 25, 2013**



**Prepared By The University of New Mexico Center For
Education Policy Research: Peter Winograd, Amy Ballard,
Dana Bell & Jason Timm**

Life Expectancy By Census Tract, Bernalillo County, NM (2001-2005)

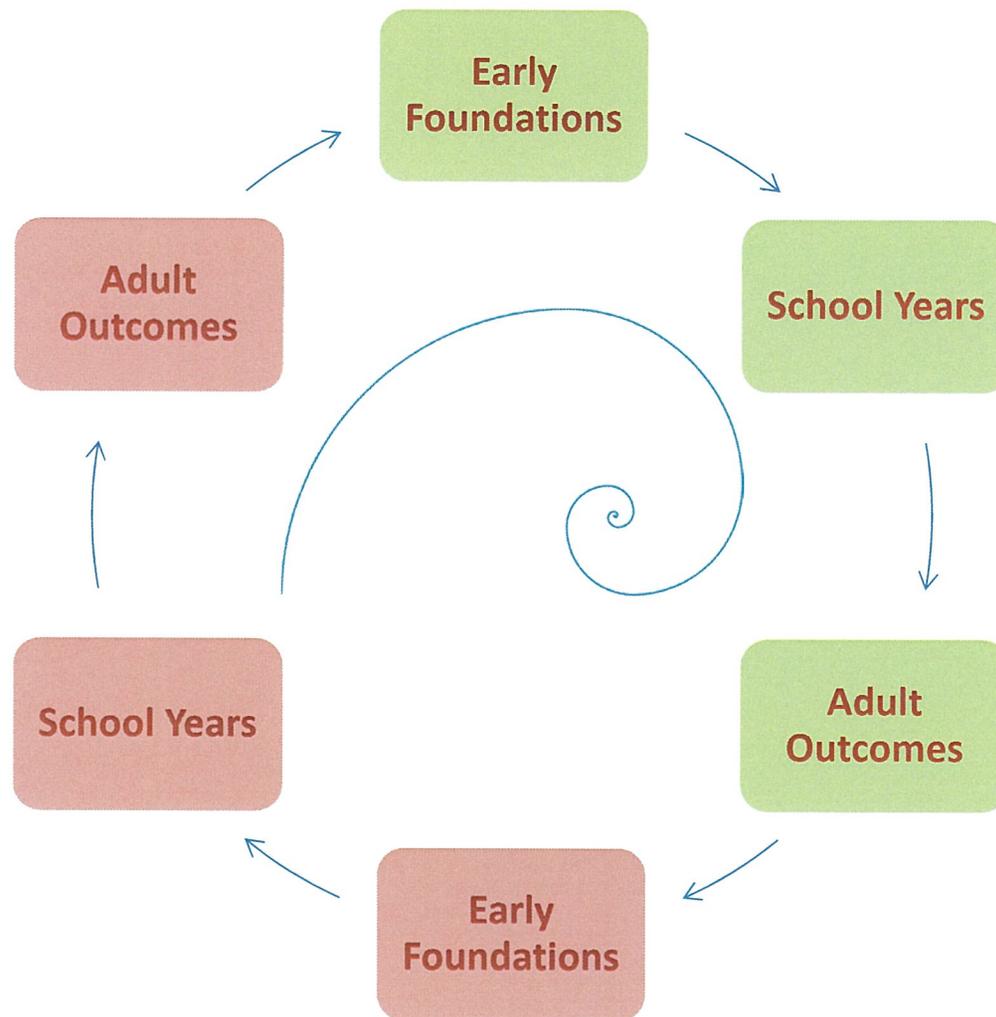


This powerful map by the Joint Center For Political and Economic Studies shows that life expectancy can vary by 28 years depending on where one lives in Bernalillo County.

Quality Counts Framework: A Child's Chances For Success

- **Early Foundations**
 - Family income: Percent of children in families with incomes at least 200% of poverty level
 - Parental education: Percent of children with at least one parent with a postsecondary degree
 - Parental employment: Percent of children with at least one parent working full time and year-round
 - Linguistic integration: Percent of children whose parents are fluent English speakers
- **School Years**
 - Preschool enrollment: Percent of 3- and 4-year-olds enrolled in preschool
 - Kindergarten enrollment: Percent of eligible children enrolled in kindergarten programs
 - 4th grade reading: Percent of 4th grade public school students “proficient” on NAEP
 - 8th grade math: Percent of 8th grade public school students “proficient” on NAEP
 - High school graduation: Percent of public high school students who graduate with a diploma
 - Young adult (18 – 24) education: Percent of young adults (18 – 24) enrolled in postsecondary education or with a degree
- **Adult Outcomes**
 - Adult educational attainment: Percent of adults (25 – 64) with a 2- or 4-year postsecondary degree
 - Annual income: Percent of adults (25 – 64) with incomes at or above national median
 - Steady employment: Percent of adults (25 – 64) in labor force working full time and year-round

A Child's Chances For Success Impact The Generations That Follow For Better Or Worse



Early Foundations

- Family income
- Parental education
- Parental employment
- Linguistic integration

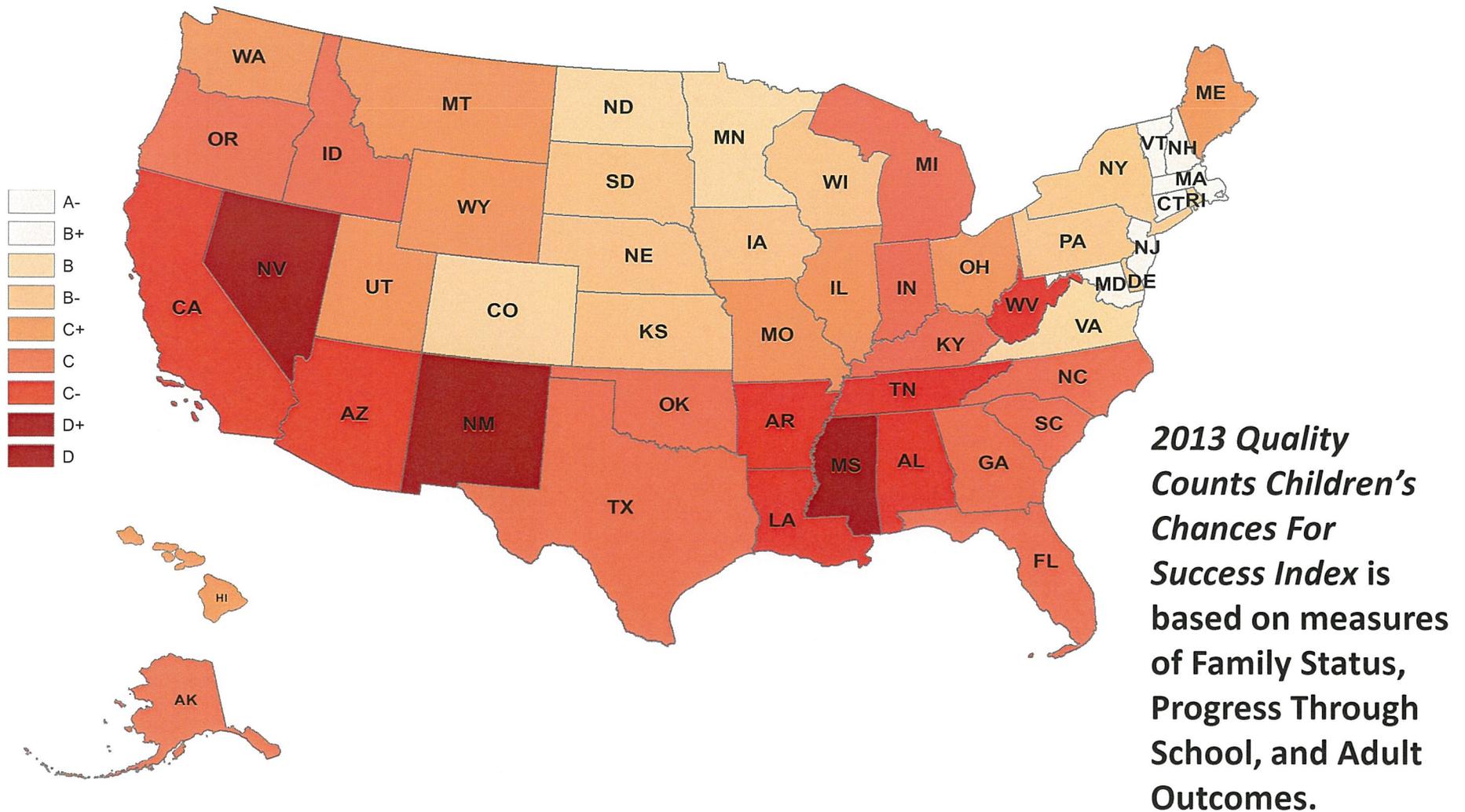
School Years

- Preschool enrollment
- Kindergarten enrollment
- 4th grade reading
- 8th grade mathematics
- High school graduation
- Young adult [18-24] education

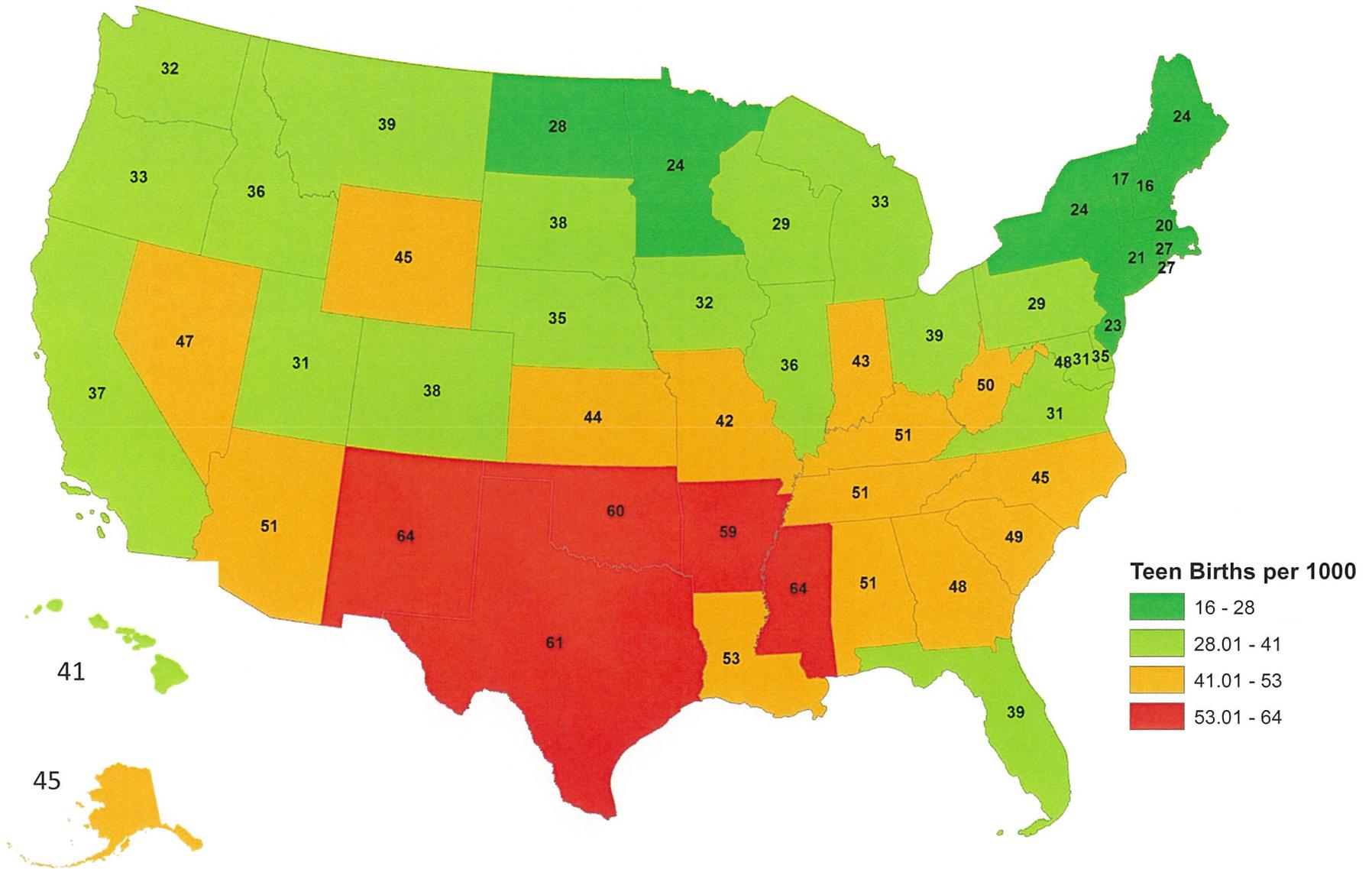
Adult Outcomes

- Adult educational attainment
- Annual income
- Steady employment

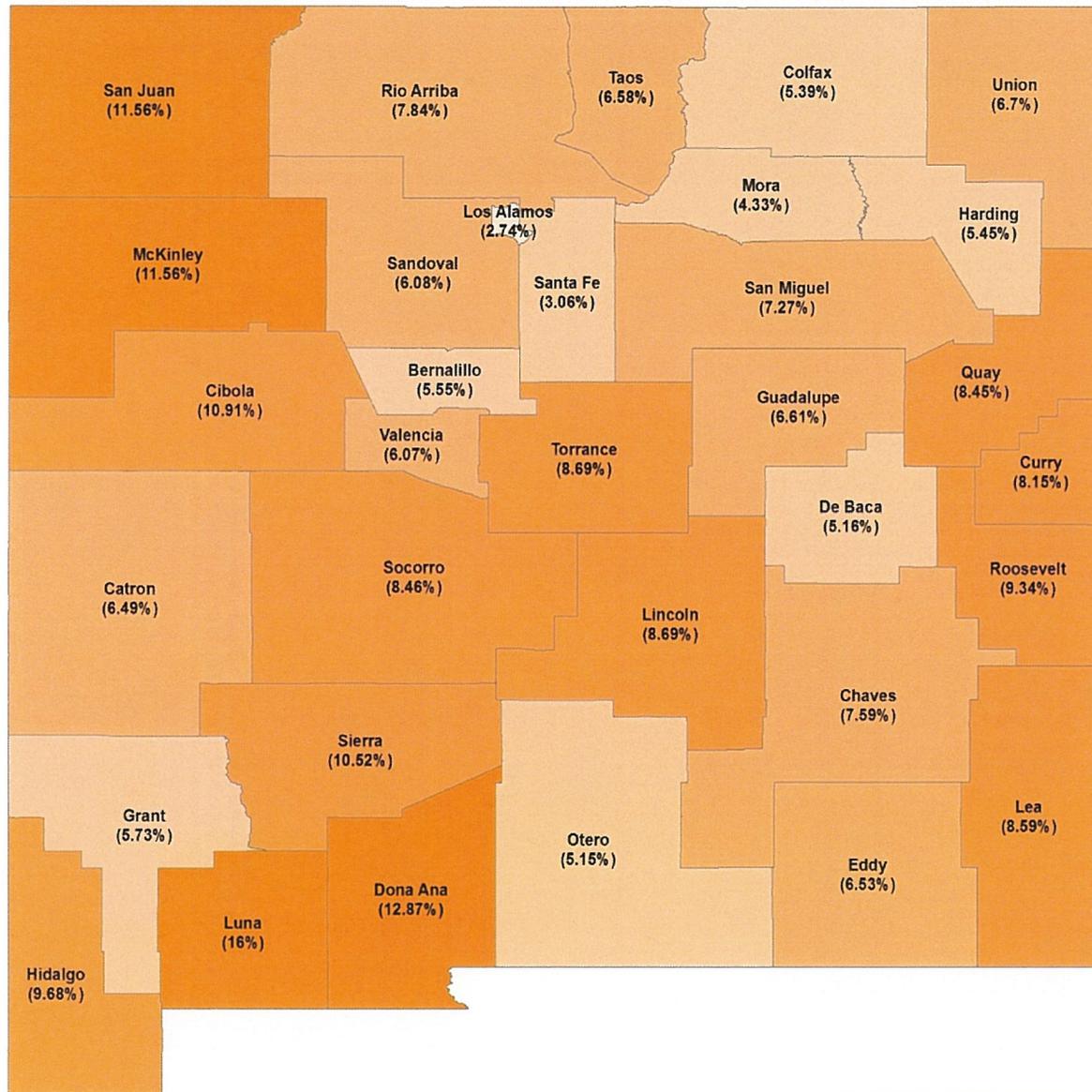
New Mexico Children's Chances For Success Are Among The Worst In The Nation, 2013



Teen Births Per 1000, 2009

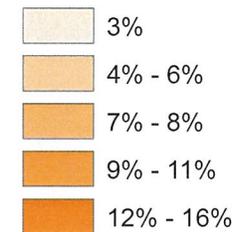


Percentage Of Birth Mothers Receiving No Or Only Third Trimester Prenatal Care



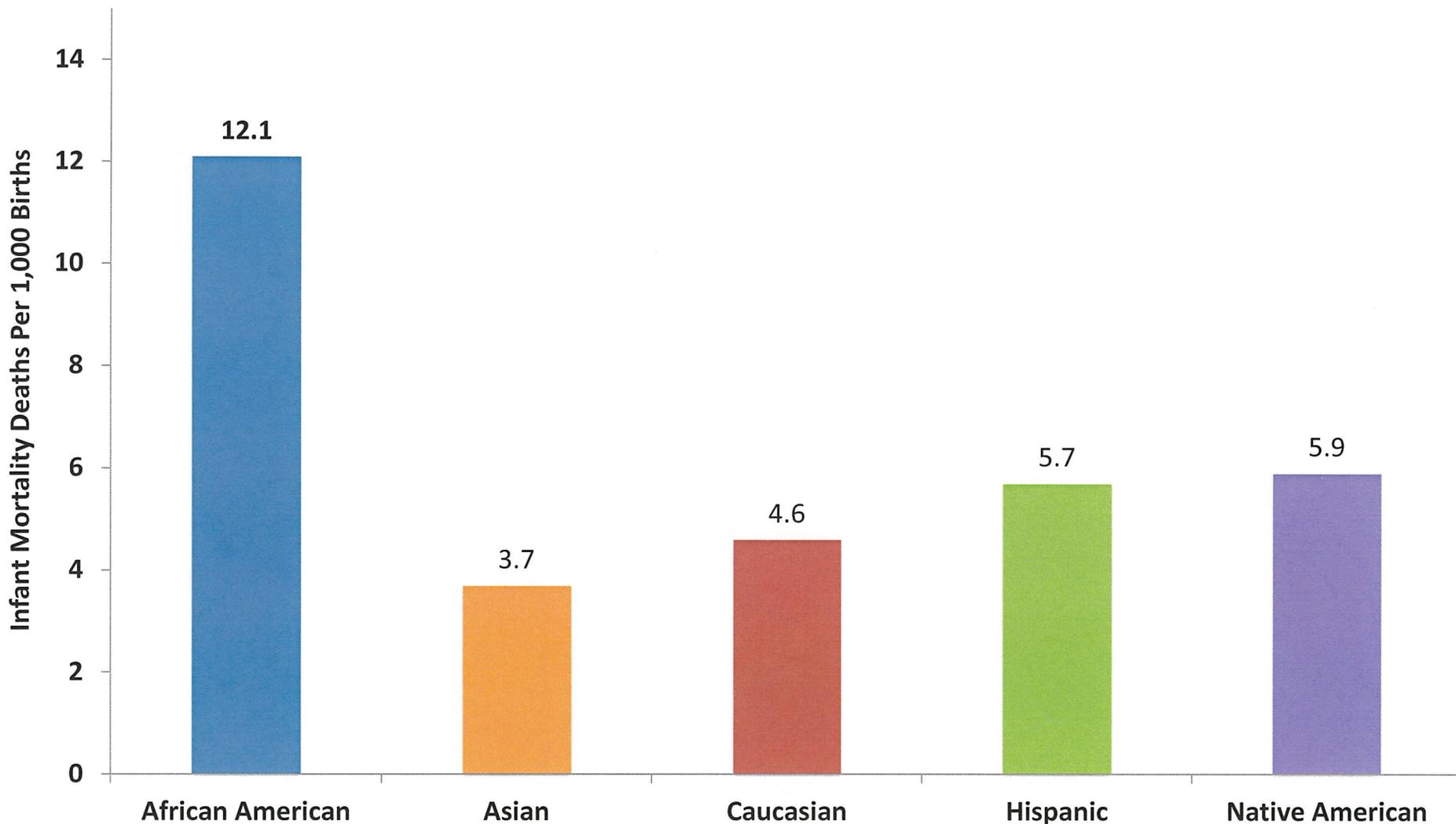
These data reflect the number of women not receiving early prenatal care as a percentage of total birth mothers, averaged over the period from 2000-2011.

No Prenatal Care or 3rd Trimester Only



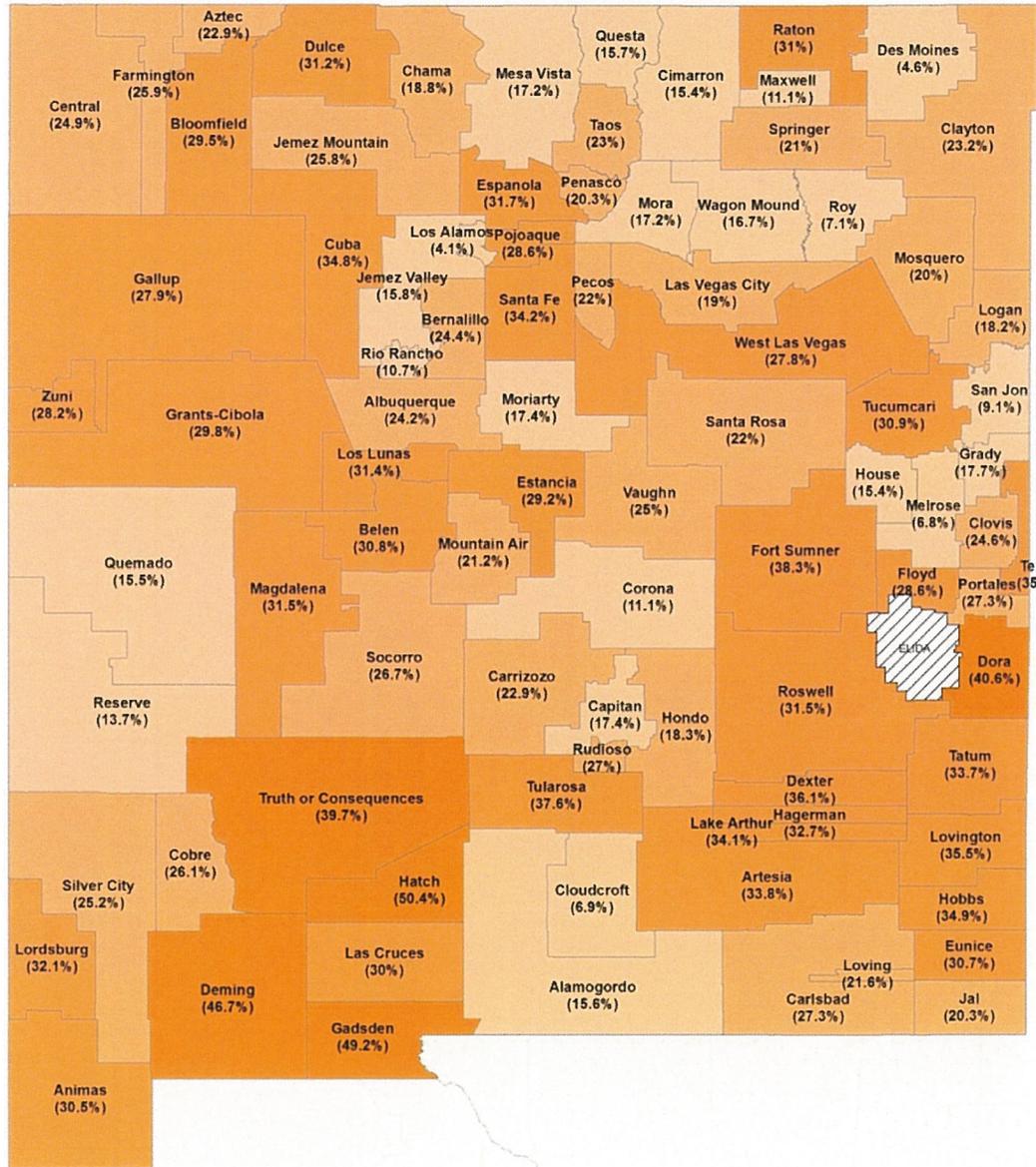
Source: New Mexico Birth Certificate Database, Bureau of Vital Records and Health Statistics, New Mexico Department of Health.

New Mexico Infant Mortality, Deaths Per 1,000 Births, By Race



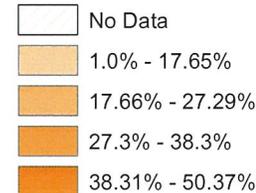
Source: Centers for Disease Control and Prevention (CDC). Behavioral Risk Factor Surveillance System Survey Data, 2006-2010. Atlanta, Georgia: U.S. Department of Health and Human Services, Center for Disease Control and Prevention, with New Mexico Department of Health. Notes: Dr. Camara Jones from the Center for Disease Control focuses on the social determinants of health and has been researching the effects of racism and stress related to racism, including the effects of racism on infant mortality rates.

Percentage Of Birth Mothers Without A High School Diploma, By New Mexico School District



Research has shown a link between parental education levels and child outcomes such as educational experience, attainment, and academic achievement.

Percent of Birth Mothers Without A High School Diploma



Source: New Mexico Birth Certificate Database, Bureau of Vital Records and Health Statistics, New Mexico Department of Health.

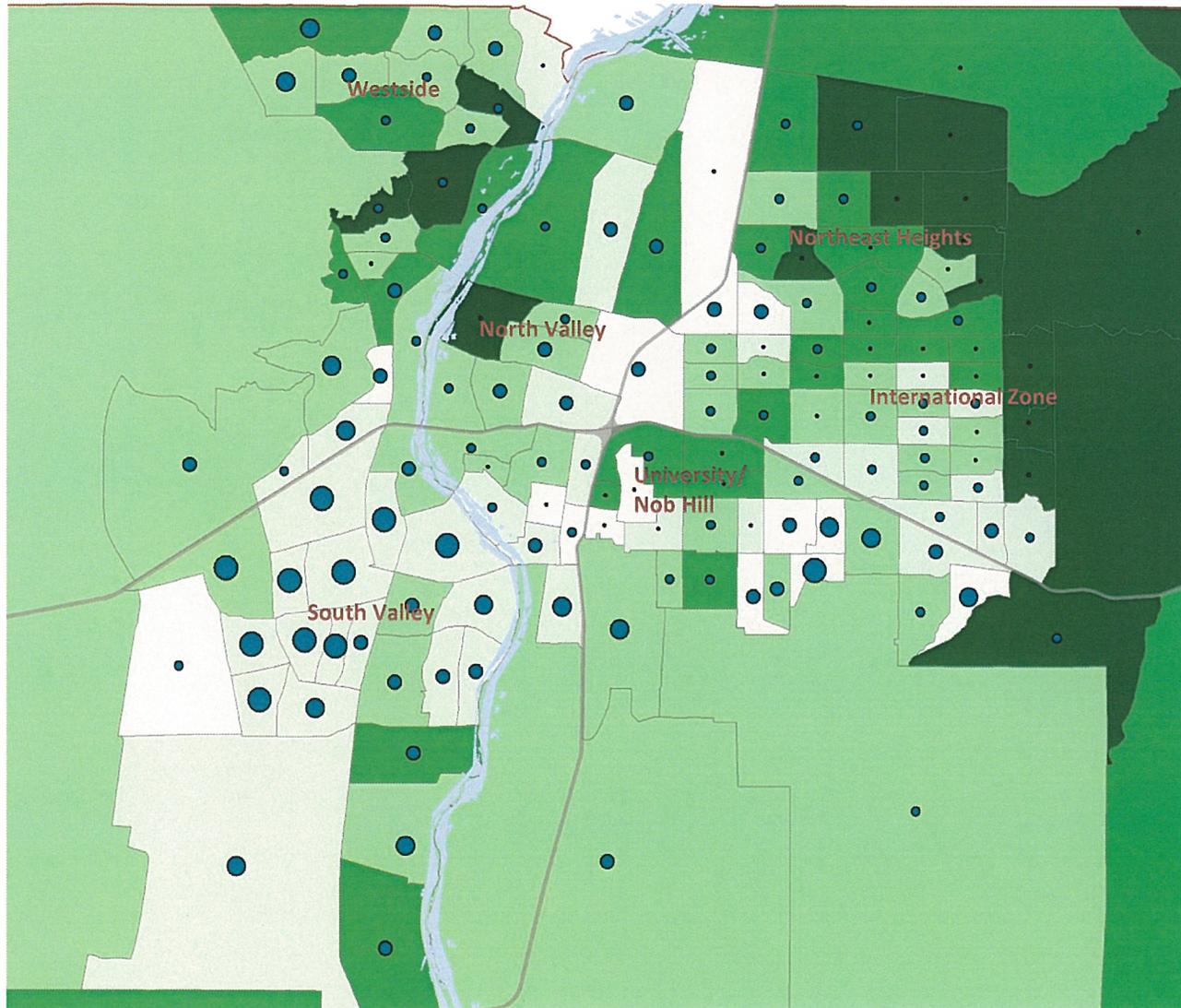
Child Maltreatment Risk Factors And Opportunity Mapping In Bernalillo County

The CDC has identified several factors related to high risk for child maltreatment. The following maps show areas where risks for these factors are lower and higher in Bernalillo County. The goal is to introduce a possible technique for identifying neighborhoods that may benefit from resources.

- The best opportunity for children to grow up without becoming victims of maltreatment include:
 - Having parents with higher education levels;
 - Living in a household with 2 parents;
 - Living in a household with income above poverty level;
 - Living in a household with fewer dependent children;
 - Living in neighborhoods with low unemployment;
 - Living in neighborhoods where people have lived at least a year in the same house;
 - Living in neighborhoods with a lower density of alcohol outlets.

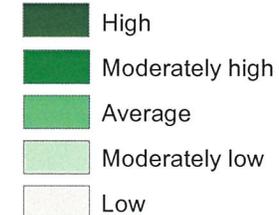
Where are these areas in Bernalillo County?

Using The Maps To Address Issues Of Community Equity: Where Are The Hispanic Children In Relation To Opportunity?

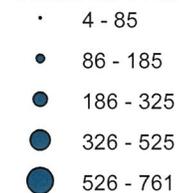


This map clearly shows the concentration of Hispanic children under the age of 5 in lower opportunity areas.

Opportunity Score

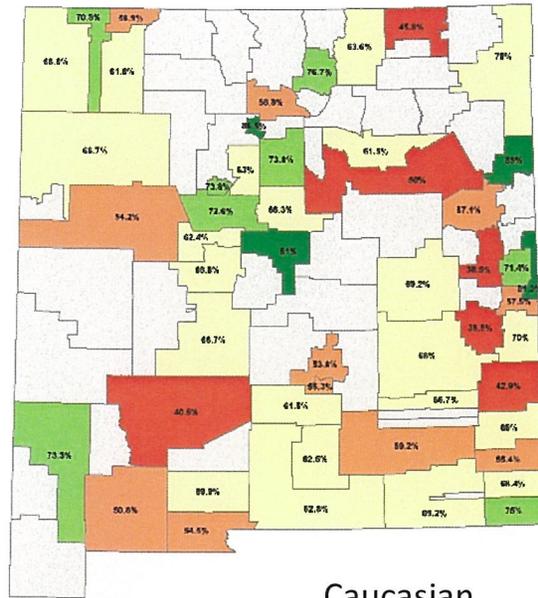


Number of Hispanic Children Under Age 5

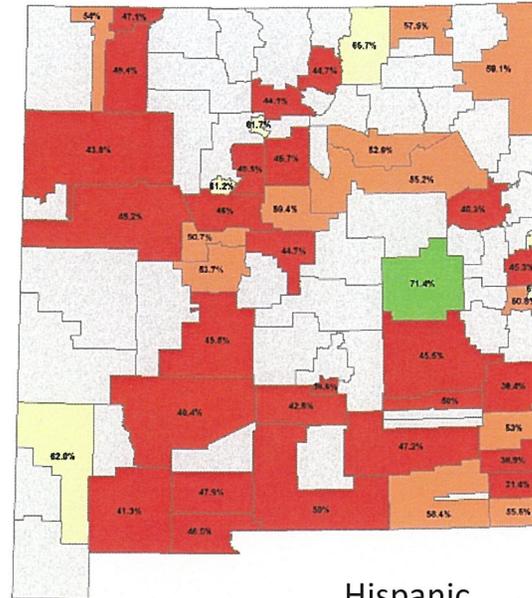


Source: Unemployment, family size, single parent household, household mobility, family poverty model input layers from the U.S. Census Bureau, 2010 Decennial Census, census tract level. Alcohol license data from New Mexico Community Data Collaborative, compiled by New Mexico Department of Health.

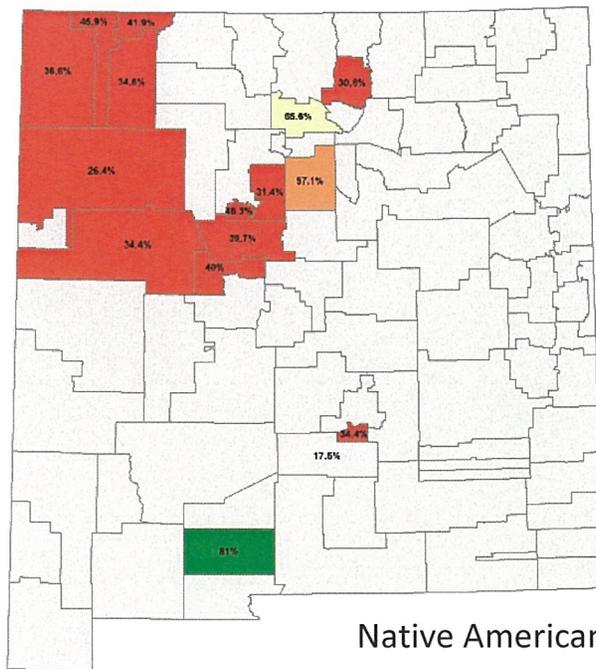
3rd Grade Reading Proficiency, All Ethnic Groups



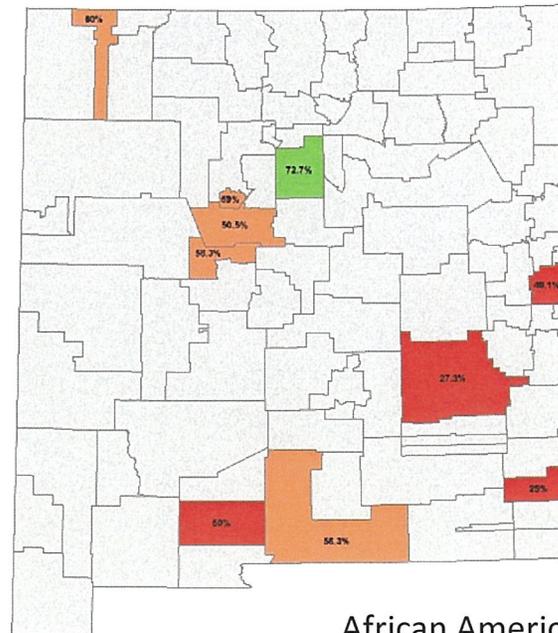
Caucasian



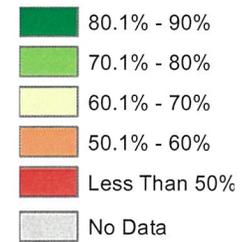
Hispanic



Native American

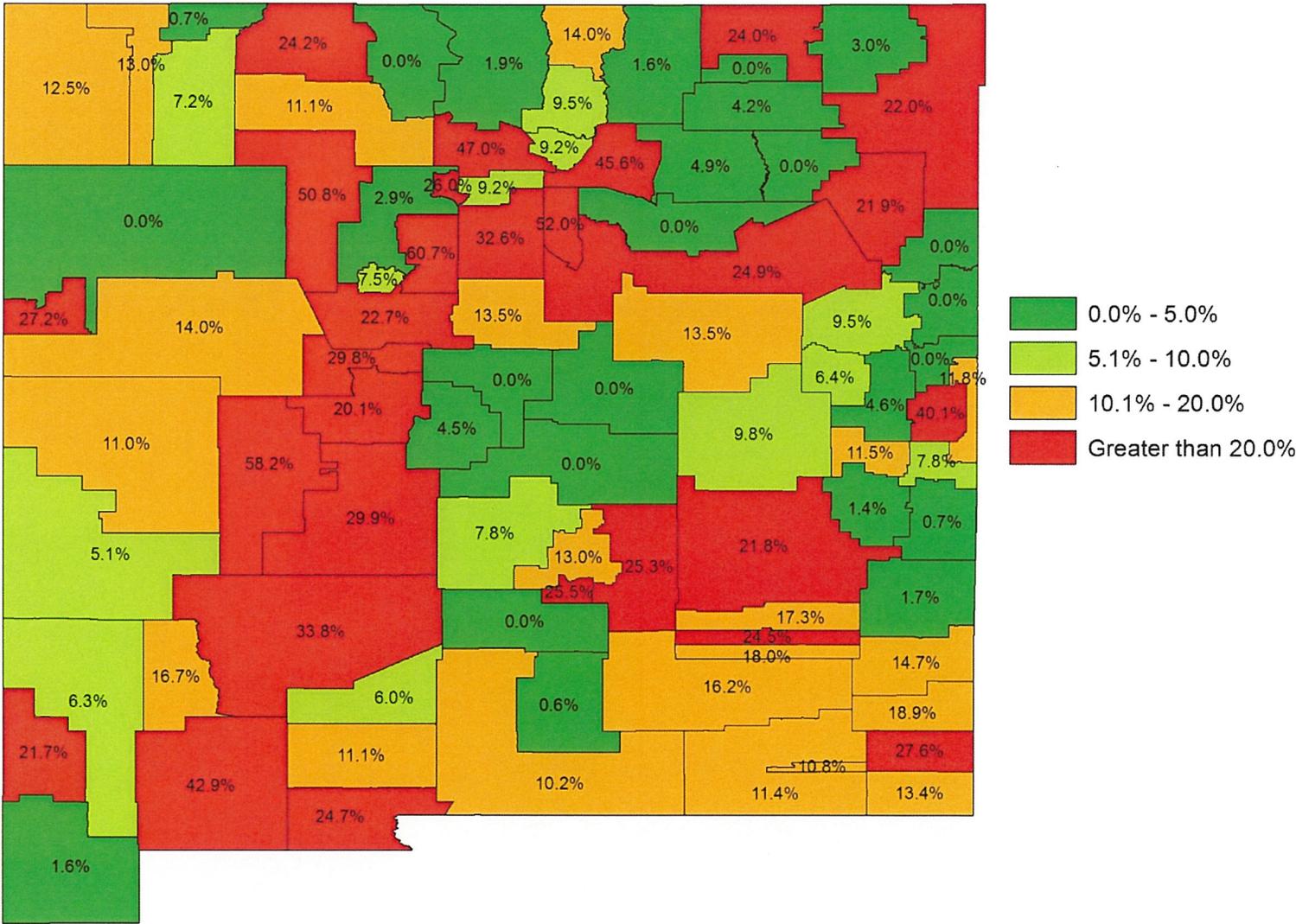


African American



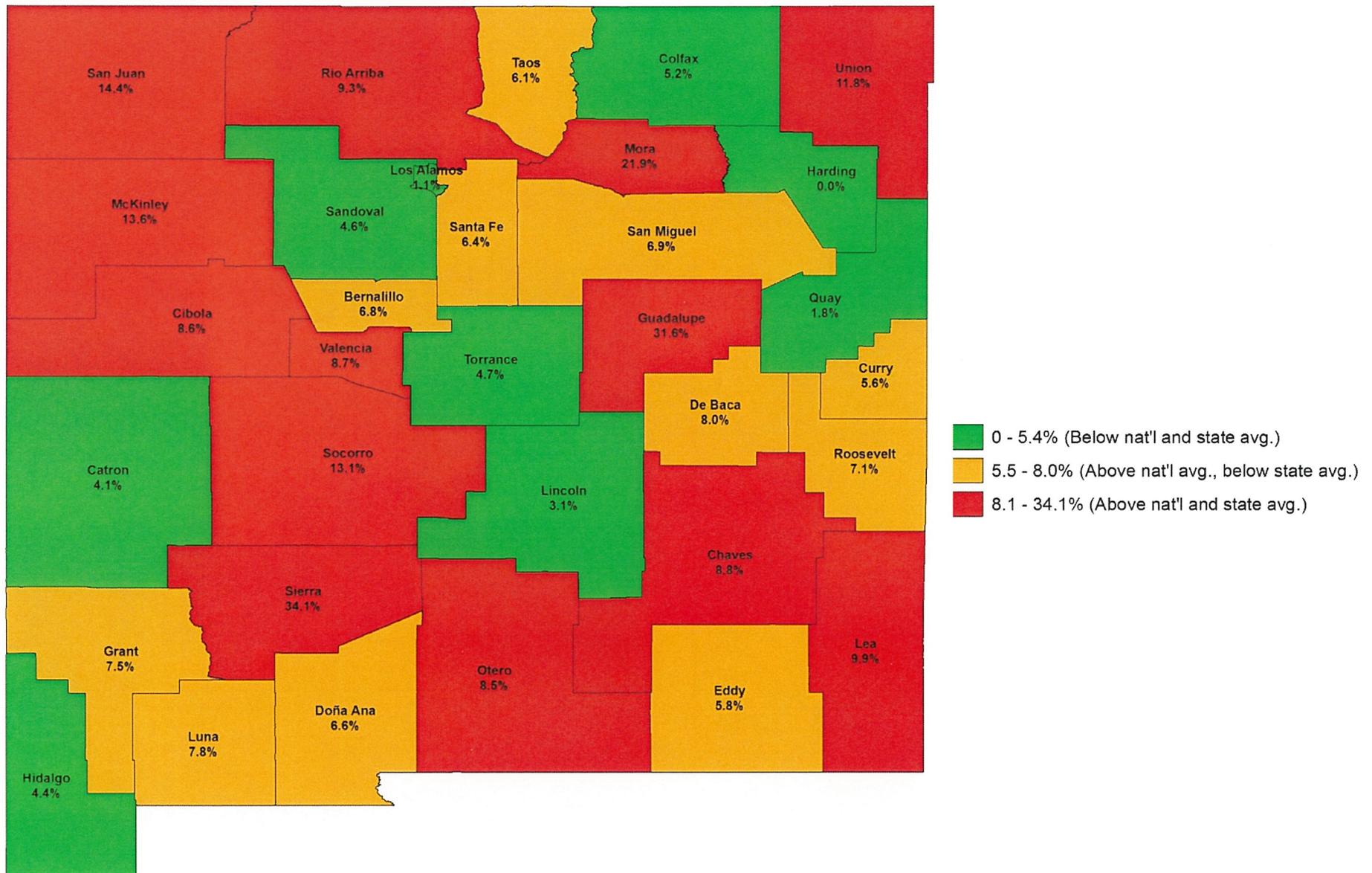
Source: New Mexico Public Education Department, NMSBA Proficiencies By Grade, All Students, School Year 2011-2012.

Percentage Of High School Students Who Were Habitually Truant, By School District In 2011-2012

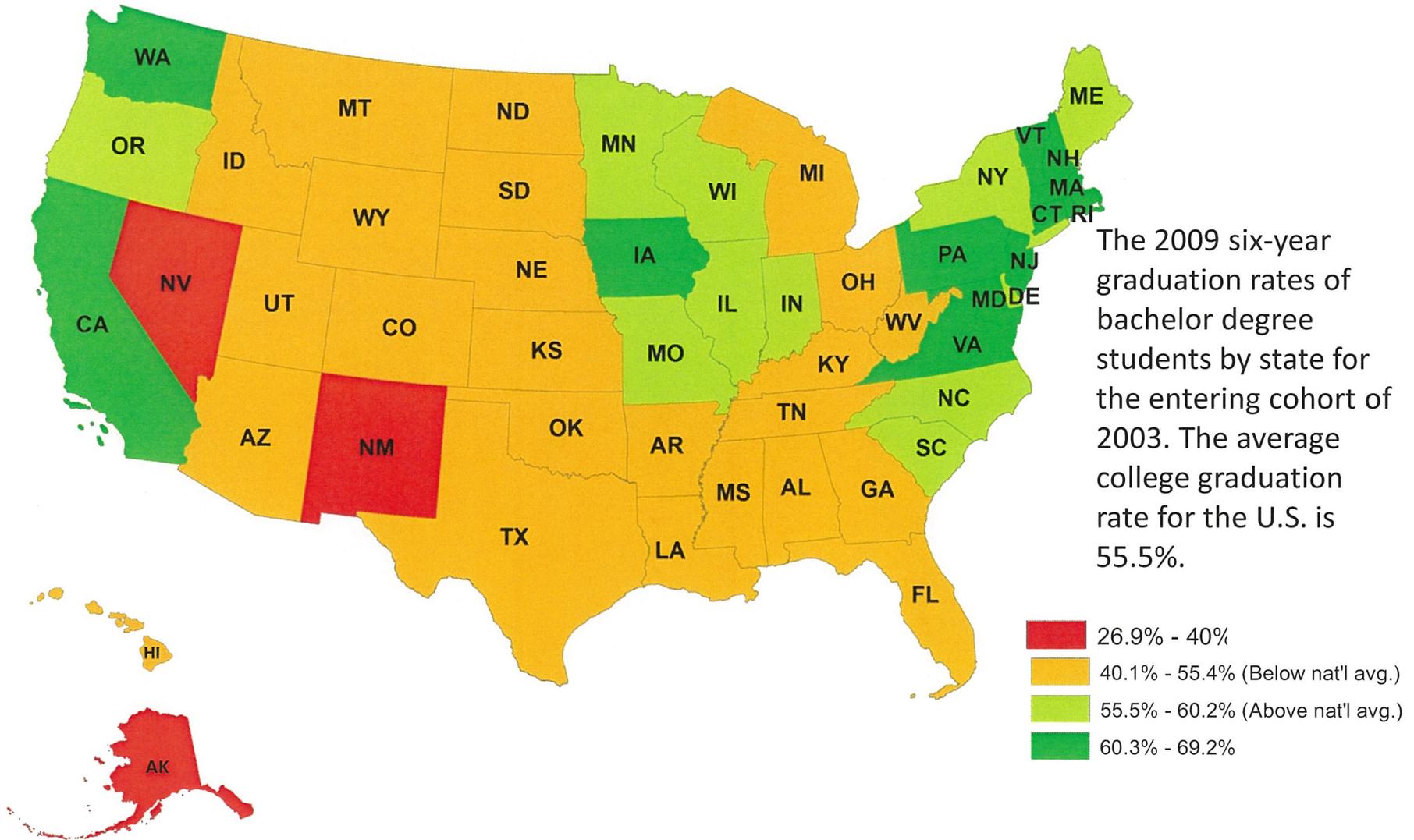


Source: New Mexico Public Education Department, 2009-2010 School Year. A student is identified as a Habitual Truant when the student has accumulated 10 or more of unexcused absences.

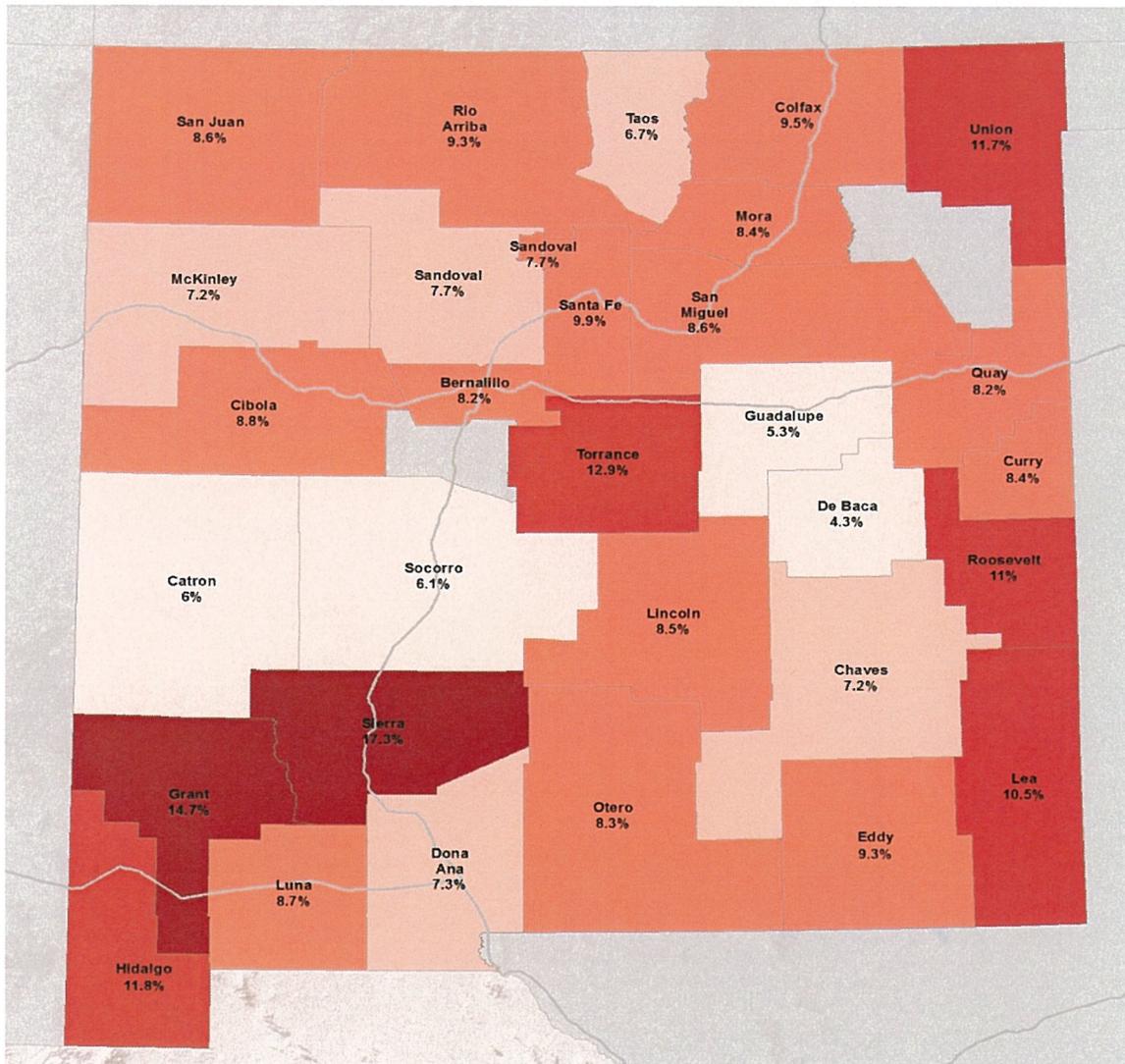
Percentage Of 16-19 Year Olds Not In School Or Labor Force



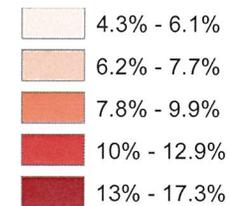
New Mexico's College Graduation Rates Are Among The Worst In The Nation



Measures Of Risk And Resiliency: Sexual Coercion Among High School Students, 2011

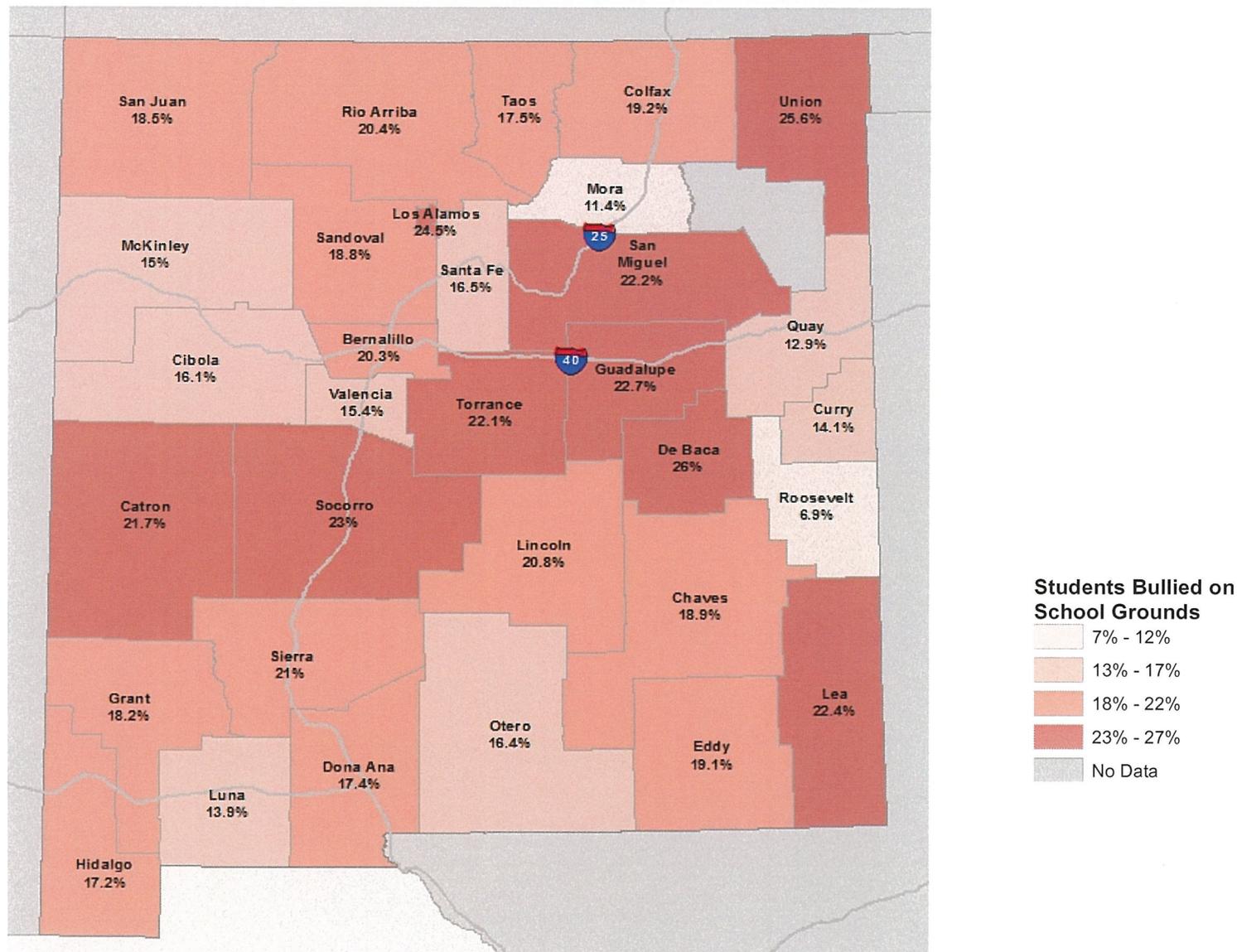


Percent of students who reported having been physically forced to have sex during the last 12 months.



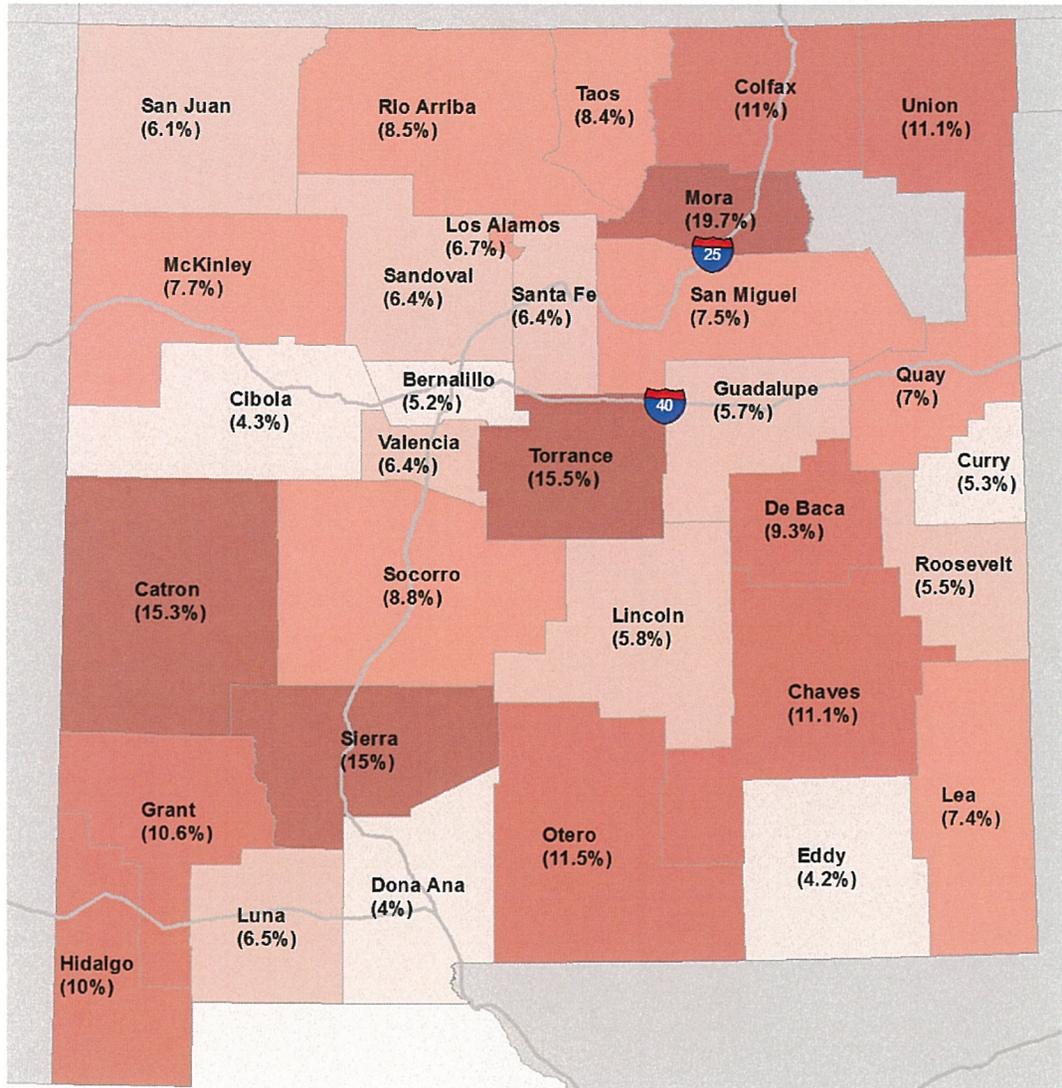
Source: New Mexico Youth Risk and Resiliency Survey, New Mexico Departments of Health and Public Education and U.S. Centers For Disease Control and Prevention, 2011. Students were asked, "During the past 12 months, have you ever been physically forced to have sexual intercourse?" The percentage reported here reflects respondents who answered, "Yes."
NOTE: Moderately low reliability for Otero, Roosevelt, Sandoval, and Sierra Counties, unreliable data for Chaves County, and very low reliability for Dona Ana and Eddy Counties.

Measures Of Risk and Resiliency: Bullying Among High School Students, 2011

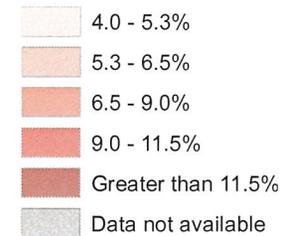


Source: New Mexico Youth Risk and Resiliency Survey, New Mexico Departments of Health and Public Education and U.S. Centers For Disease Control and Prevention, 2011. Students were asked, "Were you bullied on school grounds in the past 12 months?" NOTE: Moderately low reliability for Otero, Roosevelt, Sandoval, and Sierra Counties, unreliable data for Chaves County, and very low reliability for Dona Ana and Eddy Counties.

Measures Of Risk And Resiliency: Violence-Related Behaviors, 2011



State Average 6.2%

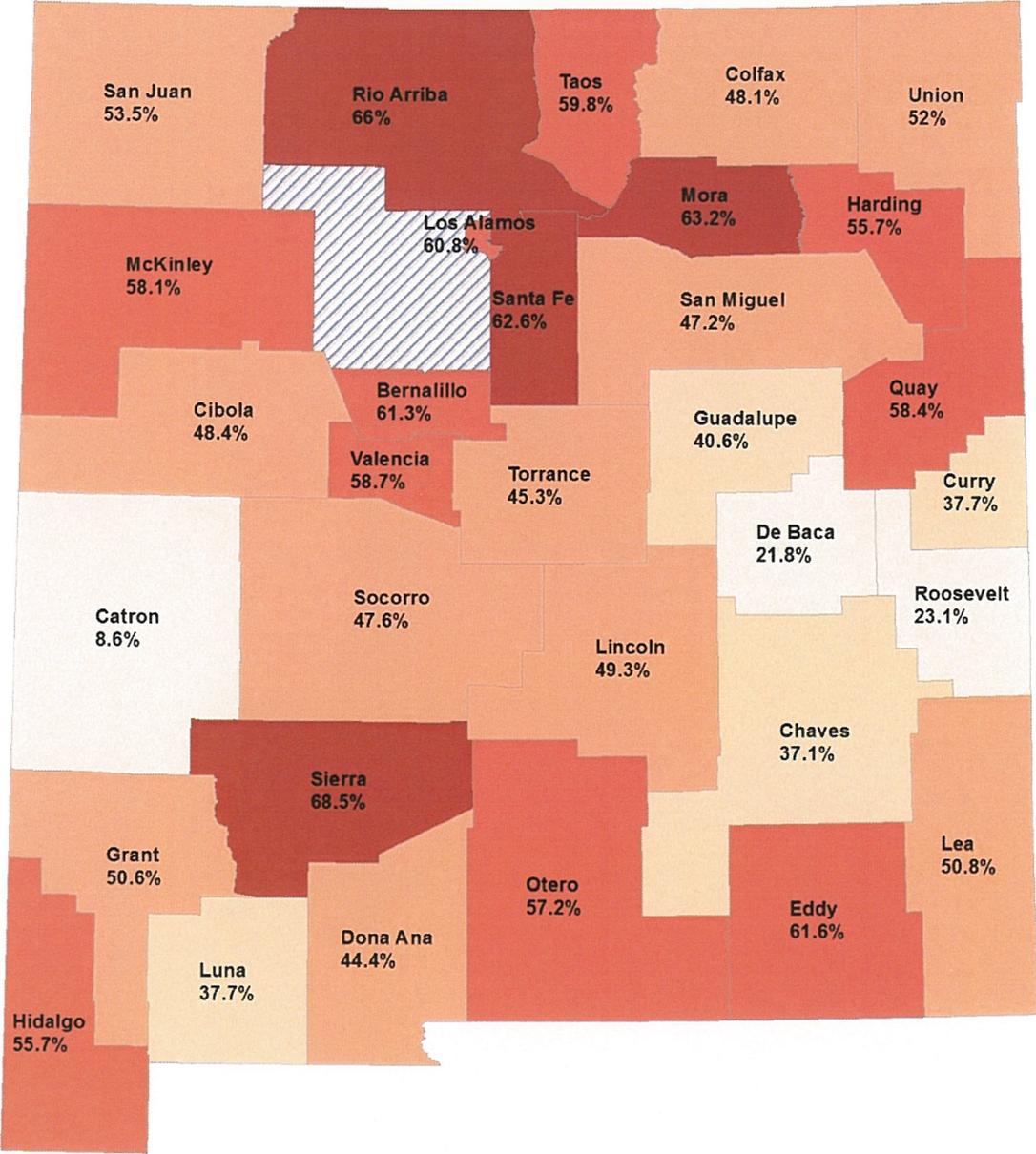


During the past 30 days, on how many days did you carry a weapon such as a gun, knife or club on school property?

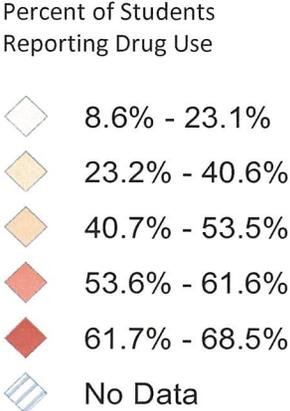
Percentage of students responding 1 or more days.

Source: New Mexico Youth Risk and Resiliency Survey, New Mexico Departments of Health and Public Education and U.S. Centers For Disease Control and Prevention, 2011. Students were asked, "During the past 30 days, on how many days did you carry a weapon such as a gun, knife or club on school property?" NOTE: Moderately low reliability for Otero, Roosevelt, Sandoval, and Sierra Counties, unreliable data for Chaves County, and very low reliability for Dona Ana and Eddy Counties.

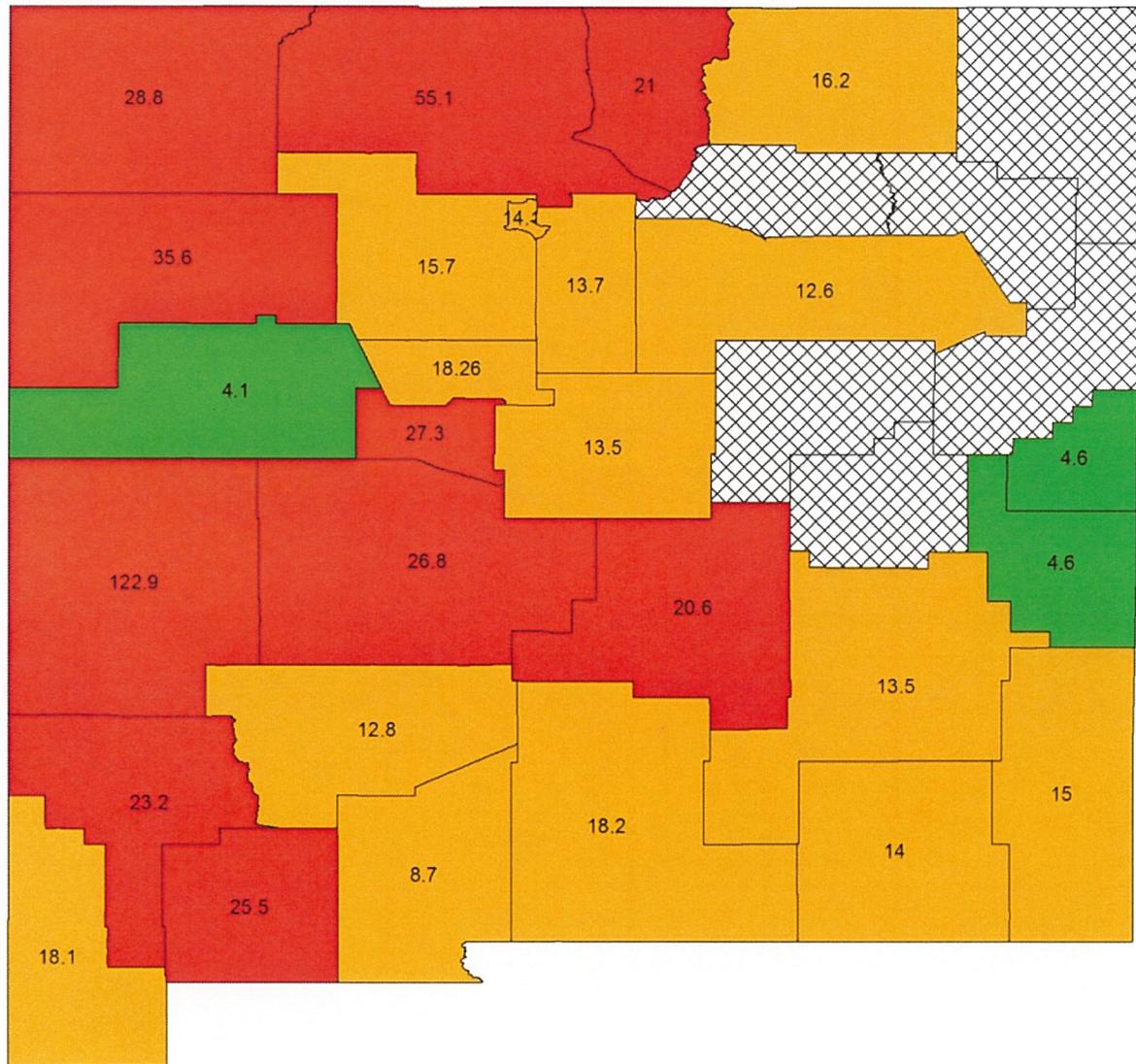
New Mexico High School Drug Abuse, 2009



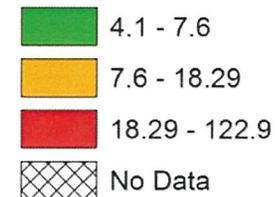
This map shows the percentage of New Mexico high school students reporting heroin, cocaine, methamphetamine, or marijuana use.



Youth Suicide Rate, 15-19 Years Of Age, By County



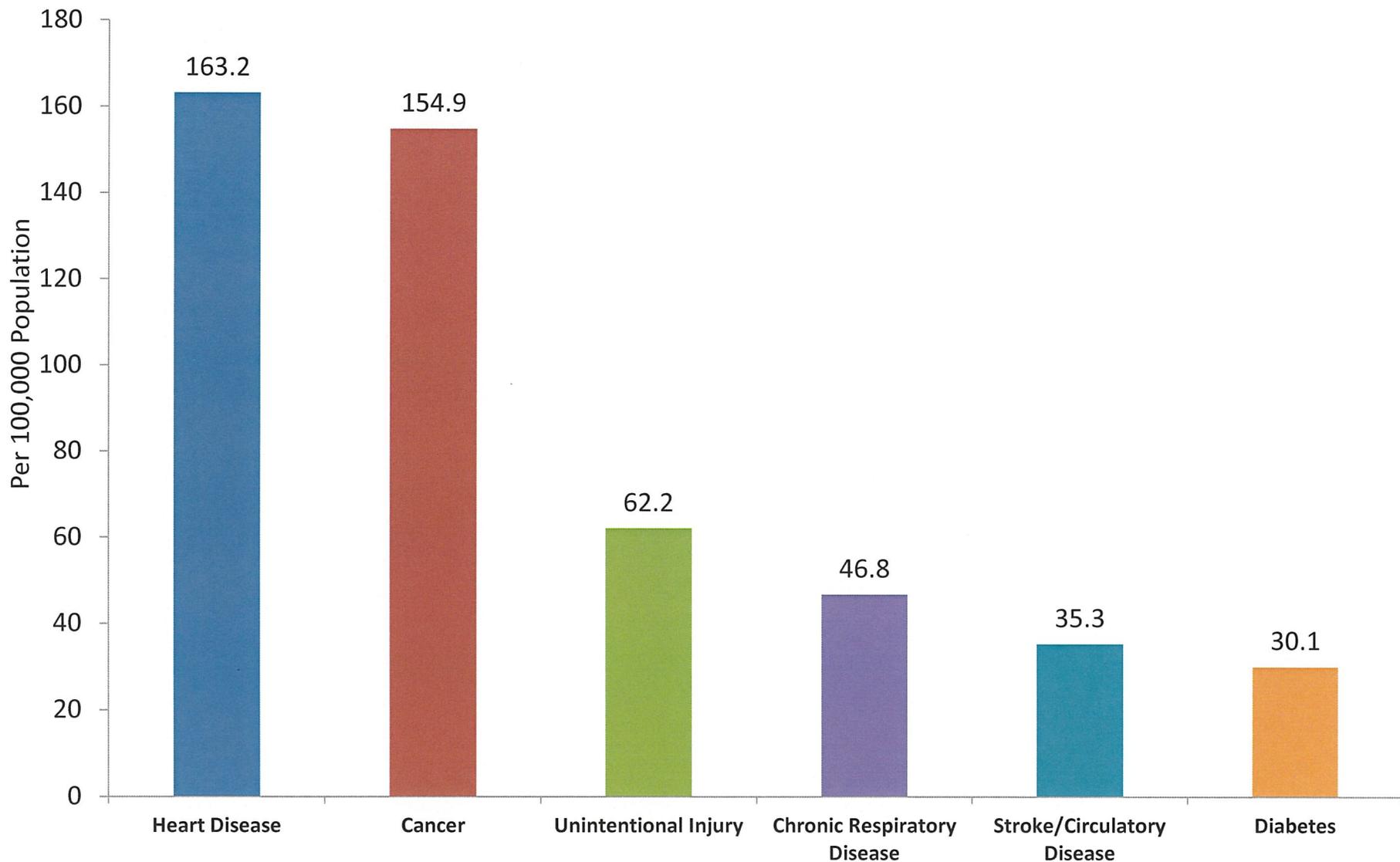
Suicide Rate (Per 100,000 15-19 Year Olds)



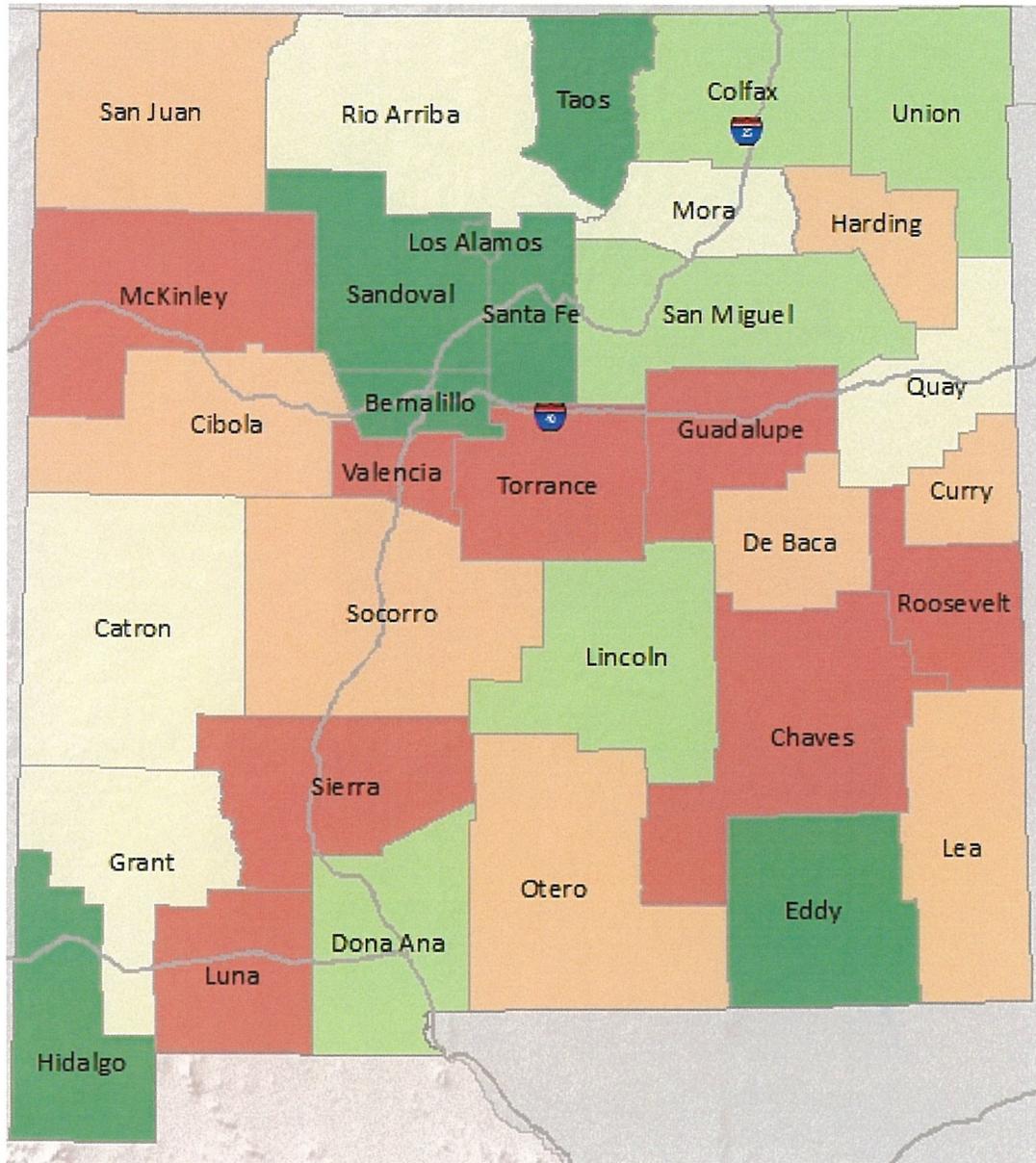
Counties shaded **green** have rates below the national average of 7.6. Counties shaded **orange** have rates above the national average but below the state average of 18.29. Counties shaded **red** have rates above both the state and national averages.

Source: New Death Certificate Database, Bureau of Vital Records and Health Statistics, New Mexico Department of Health. The suicide rate for each county is averaged over the time period 1999 to 2010 and includes all New Mexico residents, ages 15-19. The national average is based on data from the Centers for Disease Control and Prevention over the time period 1999 to 2007 and includes all youth, ages 15-19.

Leading Causes Of All New Mexico Deaths, 2002-2011, Per 100,000 Population



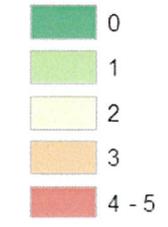
Preliminary Map of Multiple Health Challenges, By County



This map depicts the frequency with which counties ranked in the bottom 8 of 33 counties for the following health status indicators:

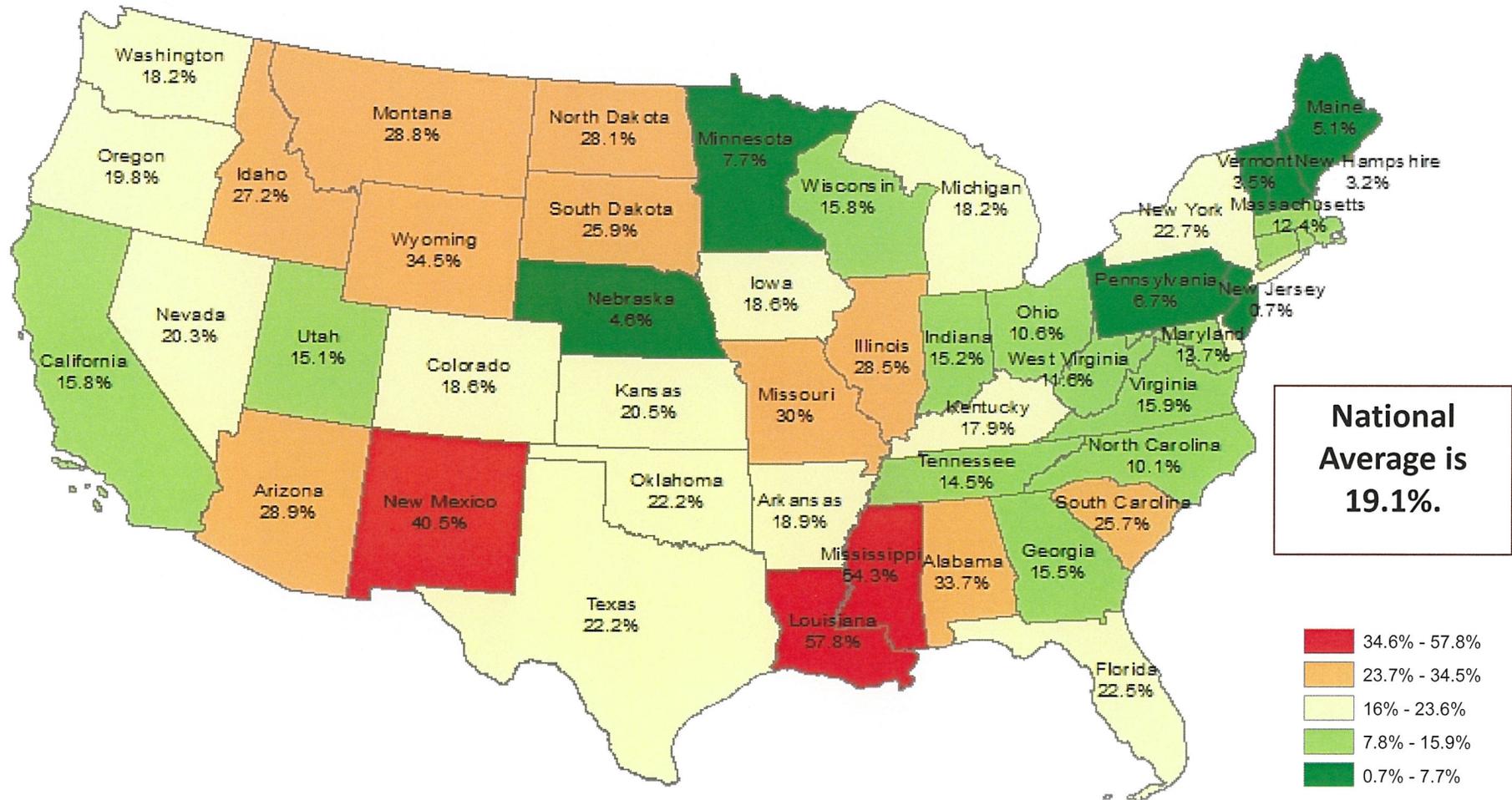
- **Heart deaths** per 100,000 pop.
- **Cancer deaths** per 100,000 pop.
- **Unintentional injury deaths** per 100,000 pop.
- **Premature Deaths** (years of potential life lost) per 100,000 pop.
- **Life expectancy** from age 65
- **Adult diabetes** prevalence
- **% Adults obese**
- **% of population over age 65**
- **% of population uninsured**

Number of Times County Appears in Lowest Rankings By Health Status Indicator



Sources: New Mexico Death Certificate Database, Bureau of Vital Records and Health Statistics, New Mexico Department of Health; Centers for Disease Control, Diagnosed Diabetes Percentage, 2009, New Mexico by County; New Mexico Department of Health, Indicator-Based Information System, http://ibis.health.state.nm.us/indicator/view_numbers/NMPopDemoAge_65.Cnty.html; U.S. Census Bureau, Health Insurance Coverage Status, American Community Survey, 3-Year Estimates, 2009-2011.

Percentage Of Population Living In A Primary Care Health Professional Shortage Area, 2012, By State



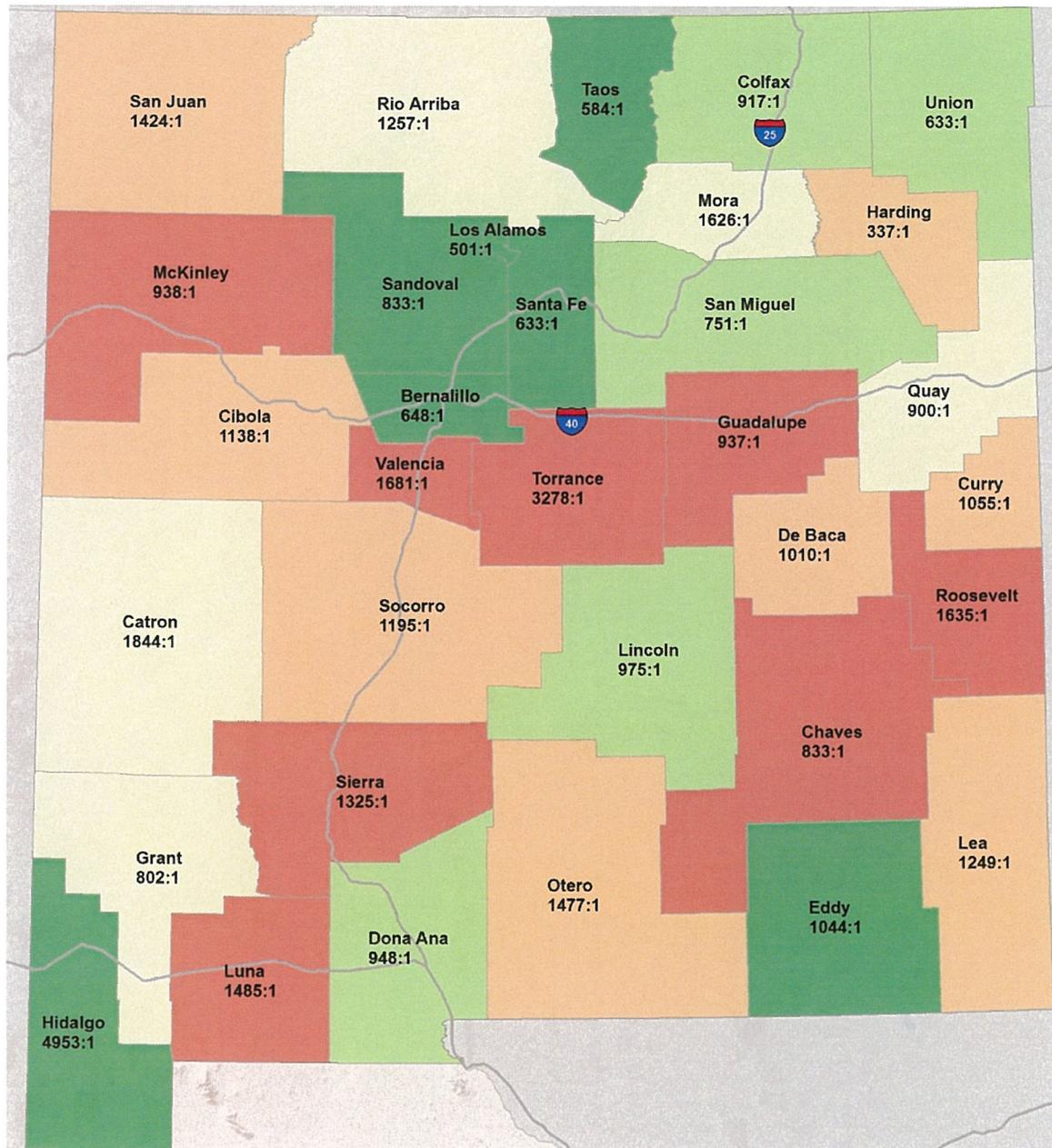
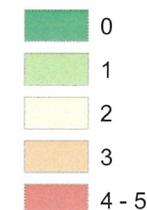
County Provider-to-Needs Gap: Primary Care (MDs and NPs)

Map colors depict the frequency with which counties ranked in the bottom 8 of 33 counties for the seven major health status indicators.

The number shown represents the number of county residents to each Nurse Practitioner working in the county. For example, a ratio of 2,439:1 means that there are 2,439 people for every 1 nurse practitioner.

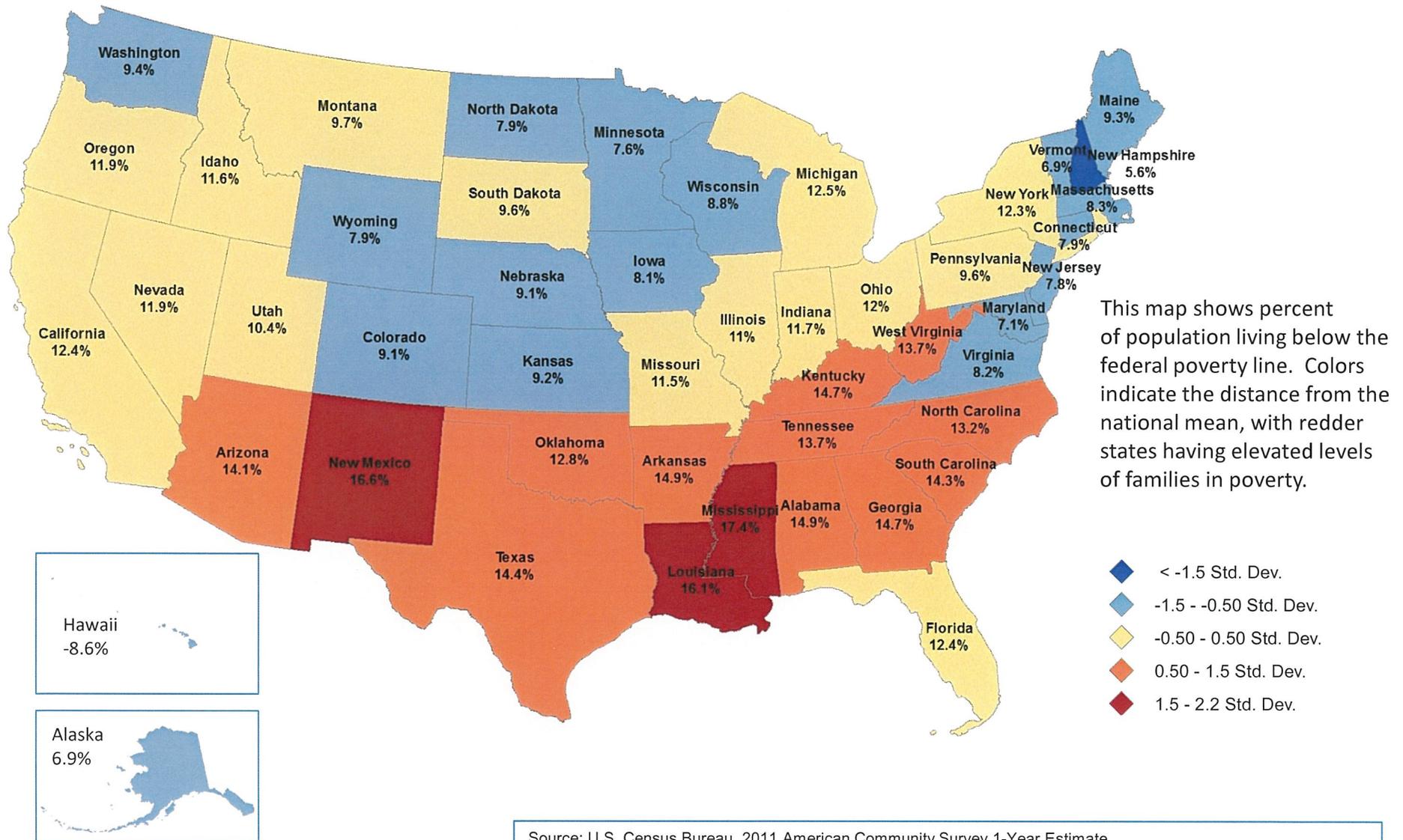
The statewide average ratio is 836:1.

Number of Times County Appears in Lowest Rankings By Health Status Indicator



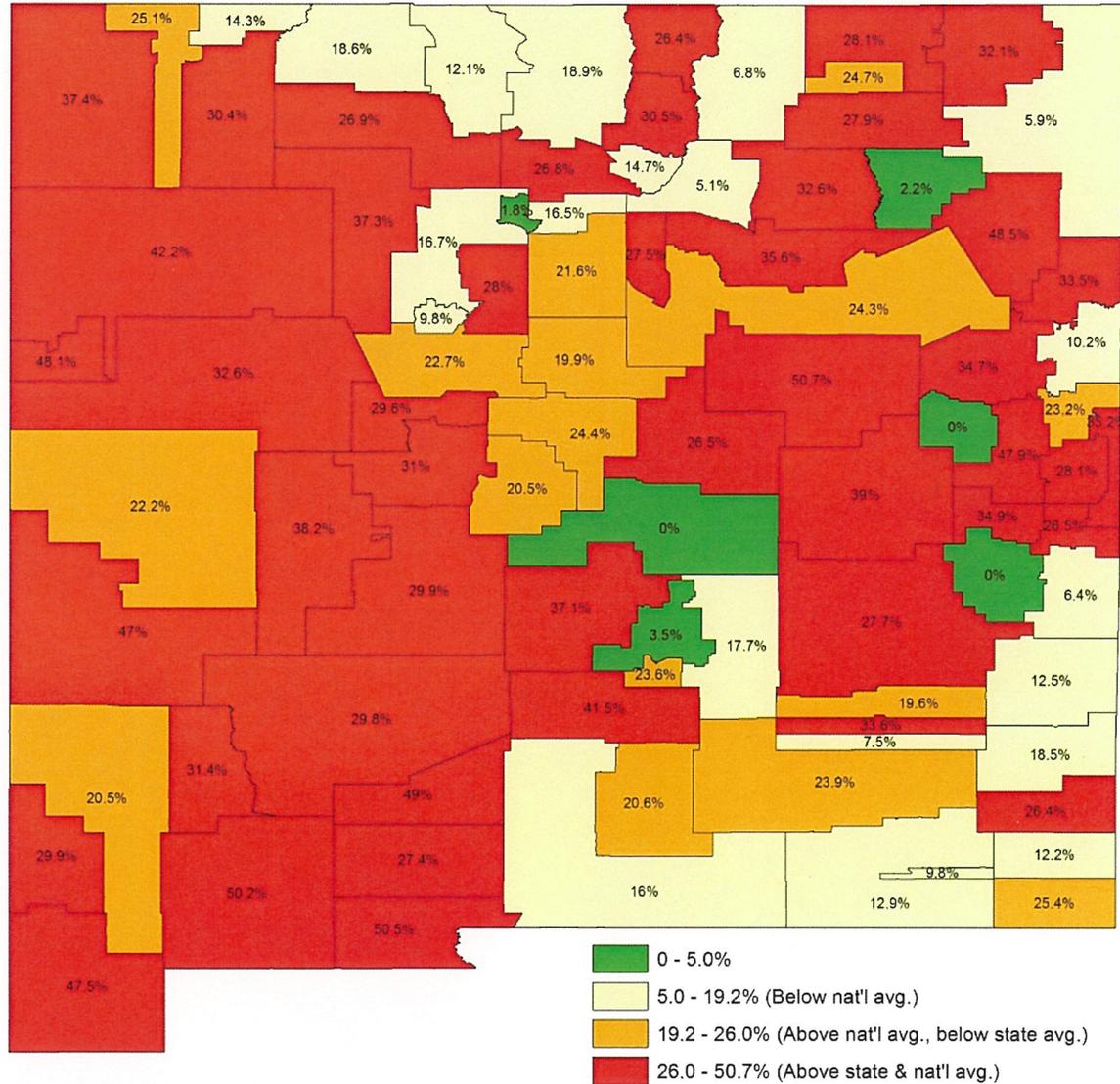
Sources: NM Board of Nursing 2012 Annual Report; Robert Wood Johnson Foundation, County Health Rankings, 2013; U.S. Census, ACS 5-year estimates. New Mexico Death Certificate Database, Bureau of Vital Records and Health Statistics, NM Department of Health; Centers for Disease Control, Diagnosed Diabetes Percentage, 2009, New Mexico by County; U.S. Census Bureau, Health Insurance Coverage Status, American Community Survey, 3-Year Estimates, 2009-2011.

Families Living Below the Poverty Line



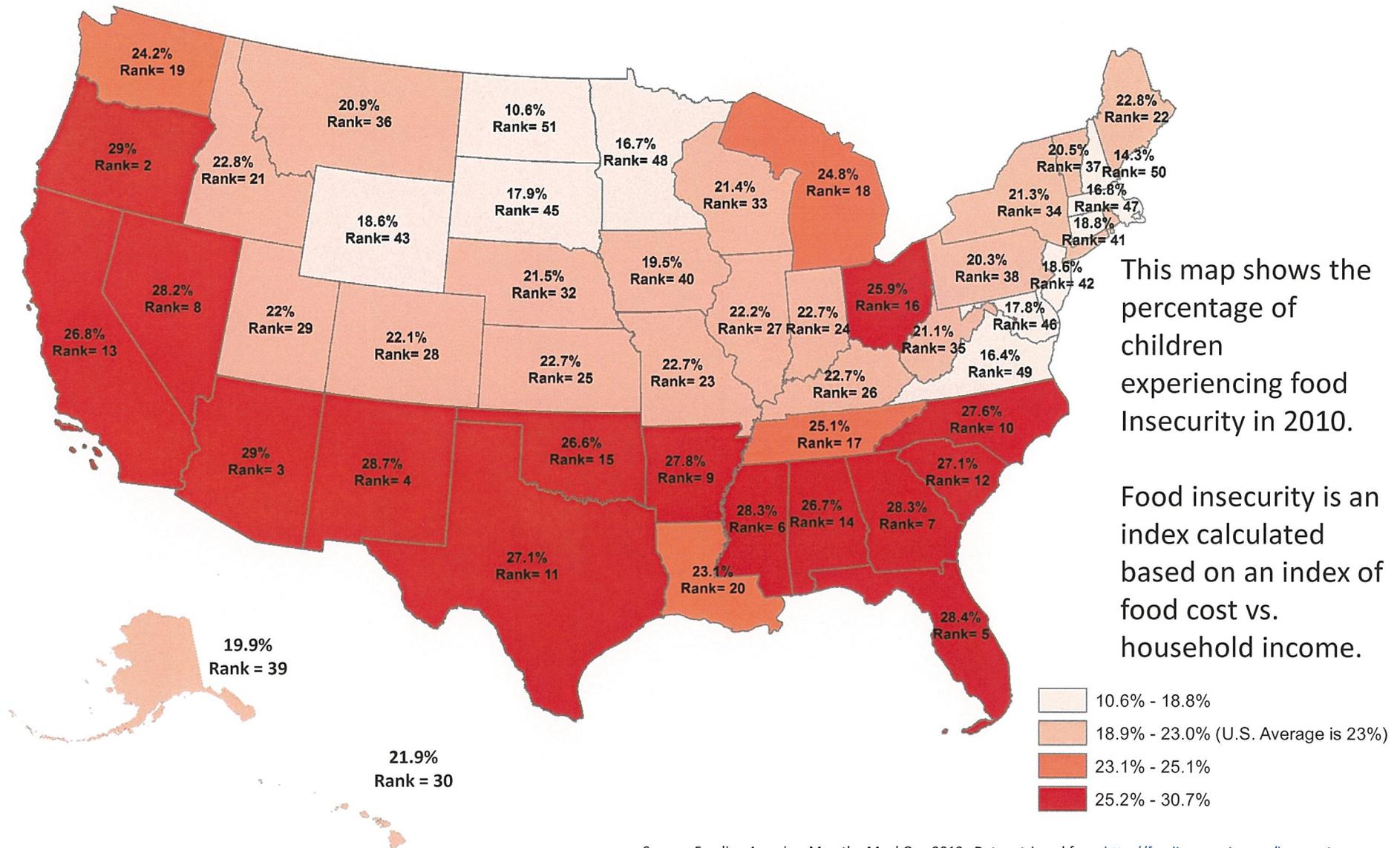
Source: U.S. Census Bureau, 2011 American Community Survey 1-Year Estimate. Supporting documentation on code lists, subject definitions, data accuracy, and statistical testing can be found on the American Community Survey website in the Data and Documentation section.

Percentage of Children Under 18 in Poverty, By School District



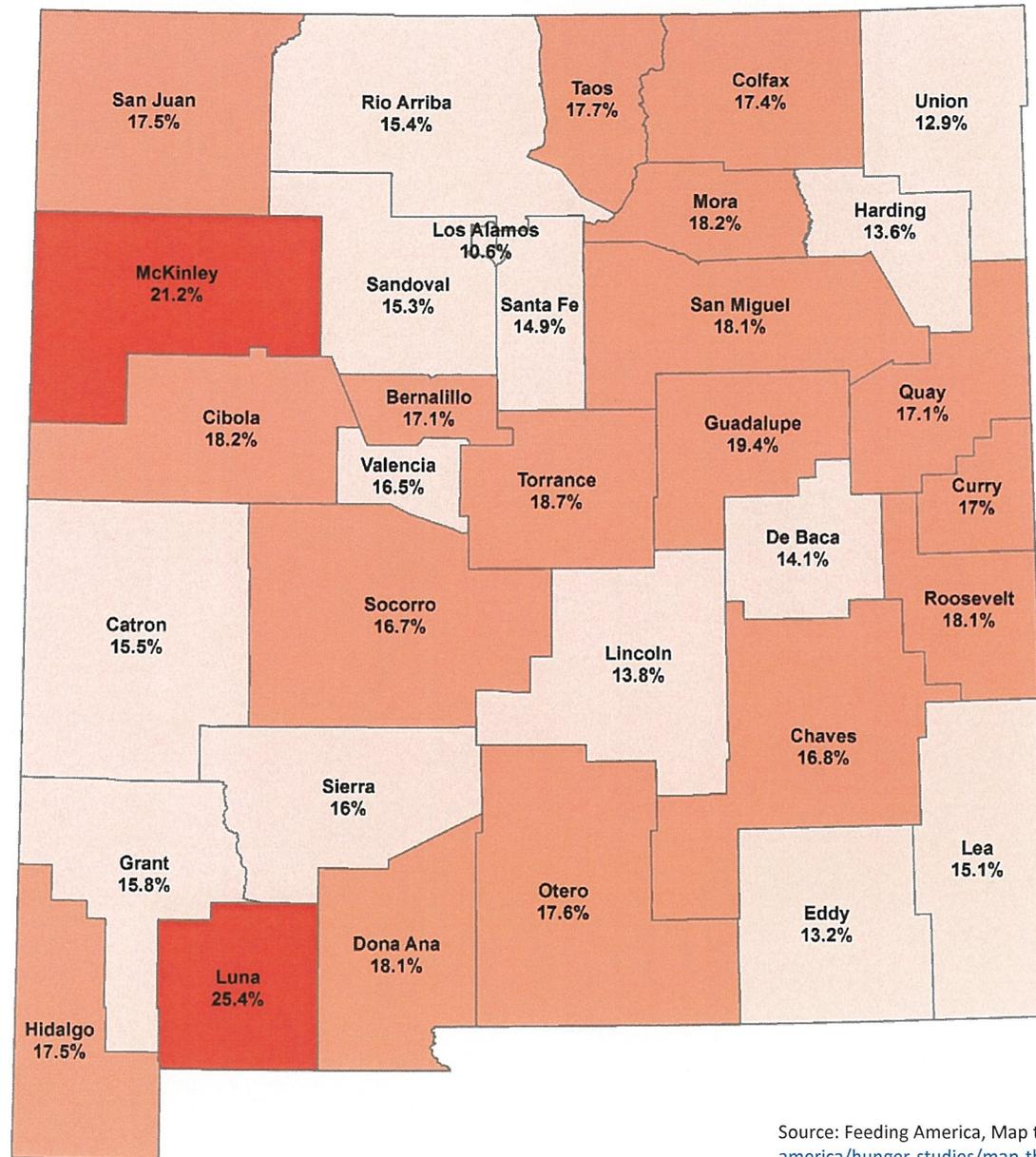
Source: U.S. Census, American Community Survey, 2006-2010 Five-Year Estimates. In 2010, the weighted average poverty threshold for a family of four was **\$22,314** (<http://www.census.gov/hhes/www/poverty/data/threshld/>). State and national averages taken from the 2010 American Community Survey (state avg. = 26.0%; national avg. = 19.2%).

Child Food Insecurity in the United States, 2010: Percentage FI and Overall Rank (1 worst-50 best)



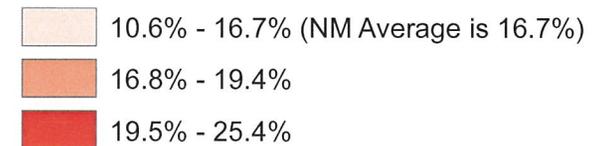
Source: Feeding America, Map the Meal Gap 2013. Data retrieved from http://feedingamerica.org/hunger-in-america/hunger-studies/map-the-meal-gap/~/_media/Files/a-map-2010/2010-MMG-Child-Executive-Summary-FINAL.ashx. See Table 1: Child Food Insecurity in State, 2010.

Food Insecurity in New Mexico Counties, 2011



This map shows the percentage of The population experiencing food Insecurity in 2011.

Food insecurity is an index calculated based on an index of food cost vs. household income.



Source: Feeding America, Map the Meal Gap 2013. Data retrieved from http://feedingamerica.org/hunger-in-america/hunger-studies/map-the-meal-gap/~/_media/Files/a-map-2011/NM_AllCountiesMMG_2011.ashx?.pdf. For Technical details on the factors used to create the index, see Gundersen, C., Waxman, E., Engelhard, E, Satoh, A. and Chawla, N., Map the Meal Gap 2013: Food Insecurity Estimates at the County Level.

New Mexico's Future Hangs In The Balance



People Who Care



Policies That Matter



Data That Matter

New Mexico Indicator-Based Information System (NM-IBIS)
...Monitoring New Mexico's Health

Home | Indicator Reports | Dataset Queries | Resources & Help

Welcome to NM-IBIS -- New Mexico's Public Health Data Resource

Welcome to the State of New Mexico's, Department of Health, Indicator Based Information System for Public Health (NM-IBIS). This site provides access to public health datasets and information on New Mexico's priority health issues.

Getting Started
Use the four tabs at the top of the page or the four buttons, below, to navigate to content on this site. Under each tab is an introduction page, and a "Content and Usage" page that describes the site content in more detail.

- Background & HOME**
 - Contents & Usage
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- Health Status INDICATOR REPORTS**
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 - Glossary & Index
 - Public Health Measures
 - Powerpoint Slides

Please see the main Contents and Usage page for more information about each of these sections.

News and Updates
For the latest news and system updates, please go to the News and Updates page which lists the most recent publications, new or updated indicator profile reports, new or updated query datasets, and any general website functionality changes.

Suggestion Box
Please feel free to contact us if you have any questions, concerns, or suggestions. Your feedback is very valuable in helping us provide a website that meets your data needs.

Epidemiology and Response Division, New Mexico Department of Health, 1190 St. Francis Dr., P.O. Box 26110, Santa Fe, NM, 87502. Telephone: (505) 476-3566

New Mexico Community Data Collaborative NMCCDC NM IBIS

Early Childhood, Health and Social Indicators

Click on a map image below to view the interactive map. Under 'Legends,' the map layers can be turned on or off.

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- NEW MEXICANS BY RACE AND ...
- CHRONIC DISEASE DEATH, ...
- FAMILY INFANT TODDLER, ...
- READING, MATH & POVERTY, ...
- HOUSING, NM, ...
- HEALTHY WEIGHT, ...
- HEALTHY WEIGHT, ...
- MORTALITY - NM SMALL, ...

About NMCCDC
Welcome to the New Mexico Community Data Collaborative - An informal group of community assessment specialists sharing tools, databases and training, and providing communities and decision-makers in our state with evidence to build health into policies and practices. The web page is a demonstration project, made possible by ESRI's ArcGIS Online Beta Community and the generous support of the New Mexico Early Learning Advisory Council. NMCCDC will need your help to sustain this service to the communities of New Mexico. We welcome new collaborators. If your organization is in need of data or assessment training, please contact us.

Partner Links
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UNM College of Education, Center for Education Policy Research
New Mexico Kids Count

2013 | **DATA BOOK**
state trends in child well-being

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