

# MAPPING THE SOCIAL ECOLOGY OF EARLY CHILDHOOD IN NEW MEXICO

## PRELIMINARY MAPS

of

SELECTED EARLY CHILDHOOD INDICATORS

at the

COUNTY AND SCHOOL DISTRICT LEVEL

**\*REVISED\***

SPONSORED BY

THE NEW MEXICO EARLY LEARNING ADVISORY COUNCIL

WITH THE PARTICIPATION OF

Early Childhood Services Division, NM Children, Youth and Families Department

Center for Education Policy Research, University of New Mexico

Office of Community Assessment, Planning and Evaluation of Region 3, Public Health  
Division, NM Department of Health.

New Mexico Community Data Collaborative

**\*UPDATED AUGUST 8, 2011\***

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# MAPPING THE SOCIAL ECOLOGY OF EARLY CHILDHOOD IN NEW MEXICO

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INTRODUCTION - This collection includes some of the first mapping work of a collaborative project between multiple analysts and data sources, supported by the New Mexico Early Learning Advisory Council.

We hope to provide needed support to New Mexico's energetic early childhood movement, and assist them to better understand the influence of place (where our children live and grow) on the health and development of our most important resource.

Though most of the maps are at the county or school district level, the eventual goal is to map these and many other indicators at the neighborhood or census tract level. See the "Child Care" and "Head Start" sections for mapping at this finer level. This 2<sup>nd</sup> version was updated August 8, 2011. Stay tuned for future updates.

The challenges of sharing data sets, building analytic capacity, improving data quality, and using web technology must be address in order to achieve the finer focus of neighborhood level assessment.

An ad hoc group – the NM Community Data Collaborative – has been meeting to address these challenges. The key participants responsible for this map collection include the Early Childhood Services Division of the NM Children, Youth and Families Department; the Center for Education Policy Research at the University of New Mexico; and the Office of Community Assessment, Planning and Evaluation of Region 3, Public Health Division, NM Department of Health.

This practical approach to comprehensive assessment at the neighborhood level holds great promise for engaging program experts, practitioners and policy advocates from New Mexico's tribes and communities in the ongoing tasks of setting priorities, writing competitive grant proposals, planning better programs, using funds more efficiently and creating wiser policies.

# SELECTED **RISK** FACTORS RELATED TO EARLY CHILDHOOD

May 31, 2011

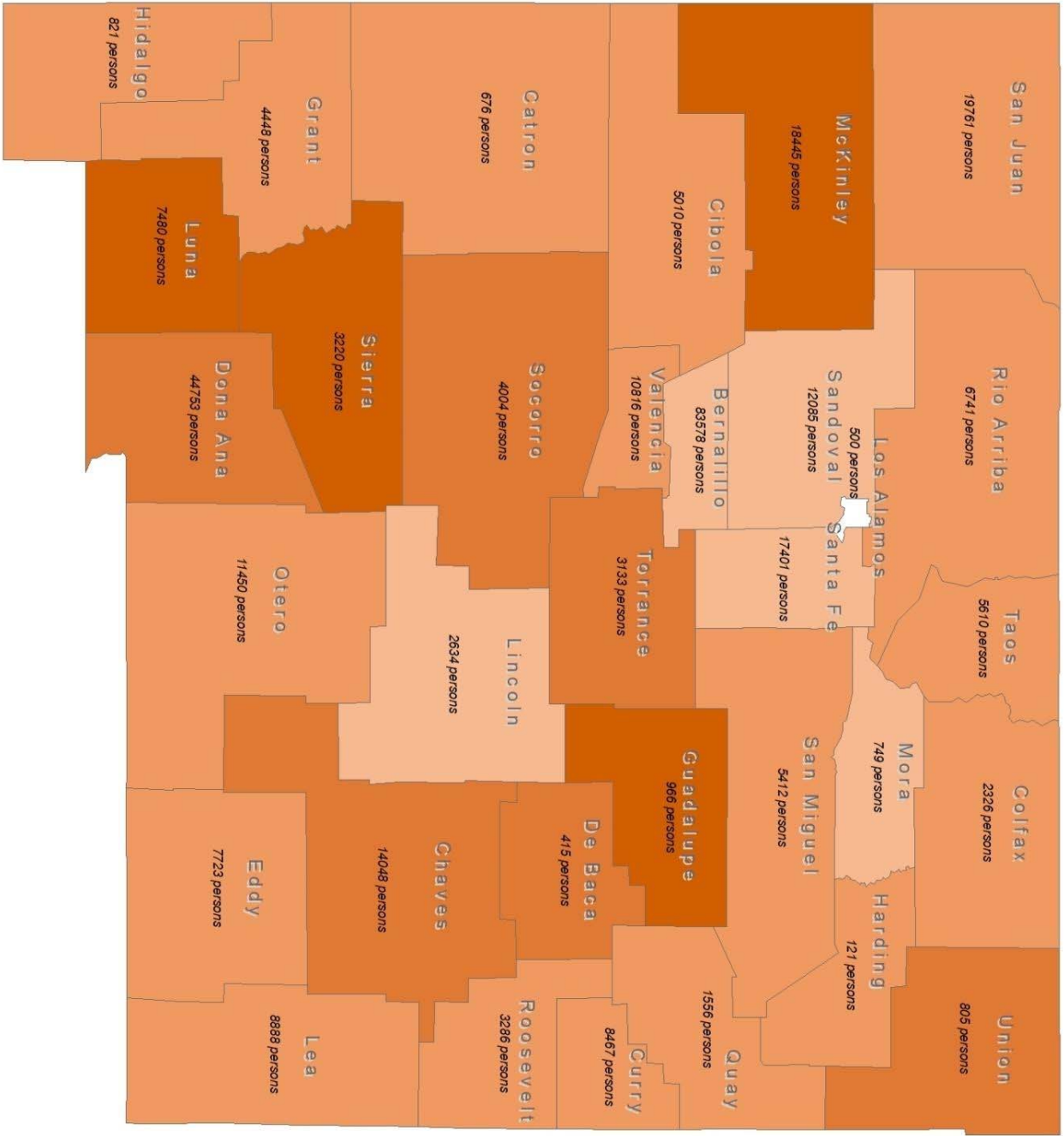
# Poverty and Unemployment

NM Counties

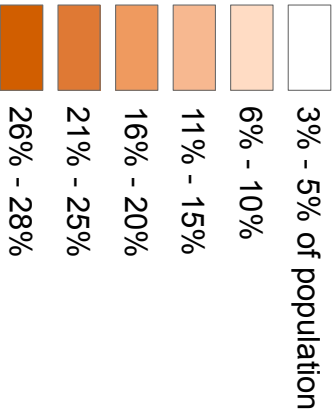
2009

NEW MEXICO COMMUNITY DATA COLLABORATIVE

# How many people live below the Federal Poverty Level?



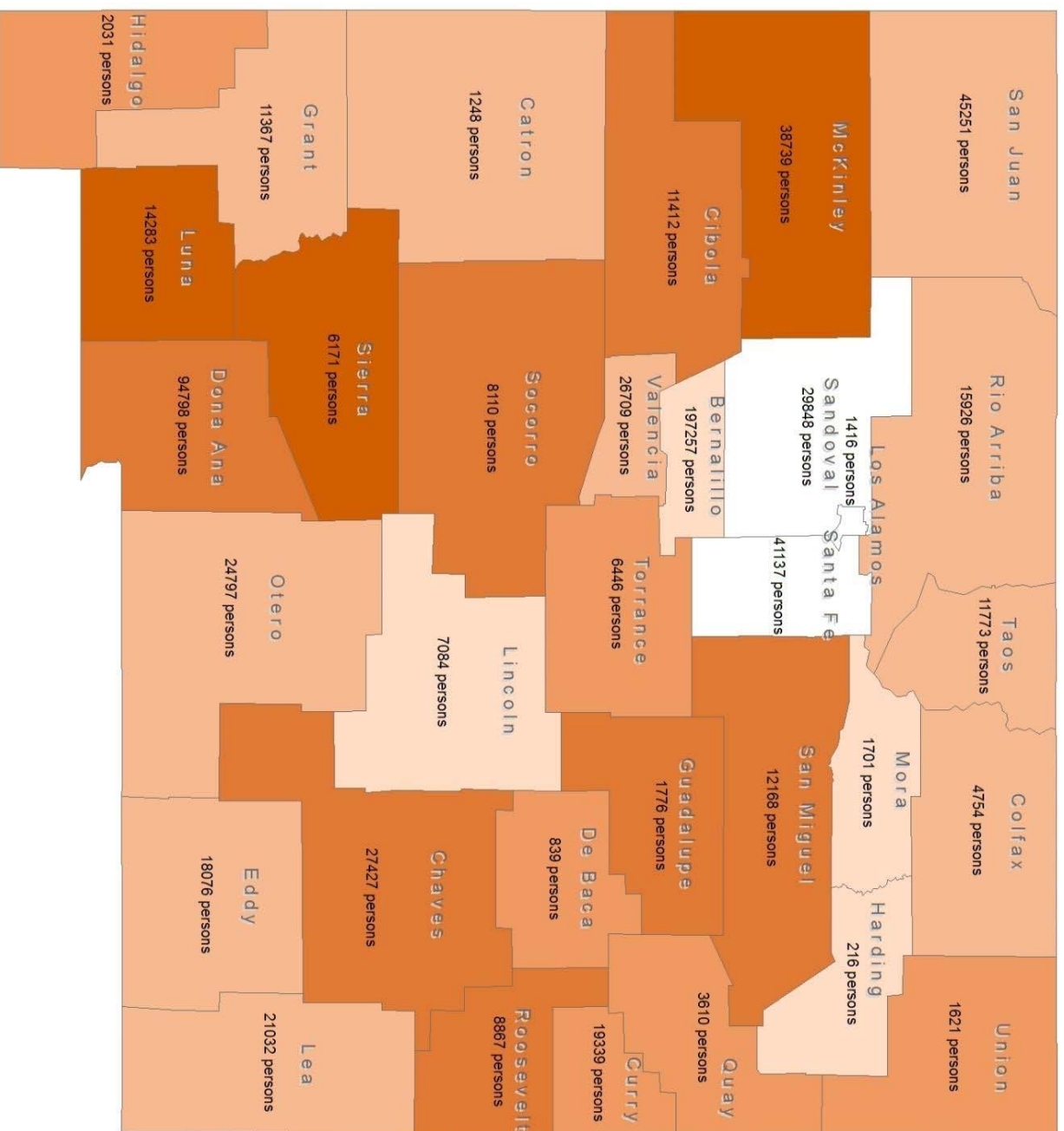
**Poverty Rate, 2005-2009**  
Percent of Population with Income Below 100% of Federal Poverty Level



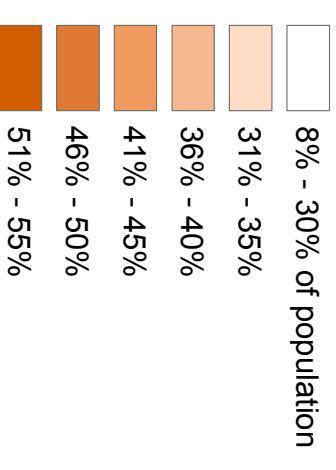
Source: American Community Survey

Over 317,000 people in New Mexico live within incomes below the Federal Poverty Level.

## How many people live below 185% of the Federal Poverty Level?



Poverty Rate, 2005-2009  
Percent of Population with Income  
Below 185% of Federal Poverty Level



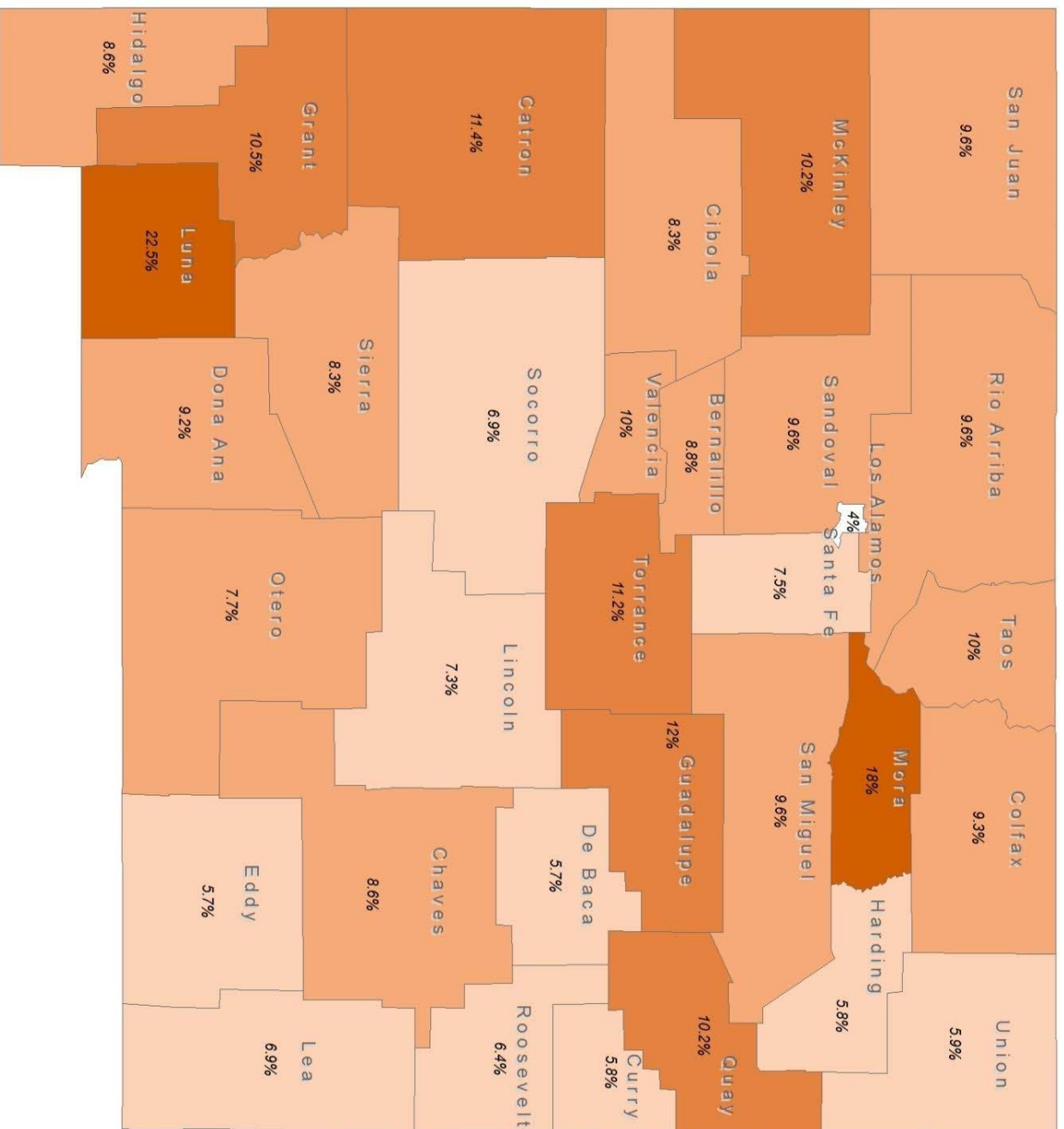
Source: American Community Survey

Over 717,000 people in New Mexico (~35%) live within incomes below 185% of the Federal Poverty Level.

For families with children, this is the Medicaid eligibility level.



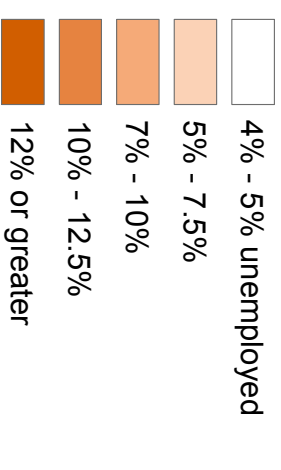
## How many workers are unemployed in New Mexico?



### Unemployment Rate

January 2011

Percent of Workforce Unemployed



Source: NM Dept. of Workforce Solutions

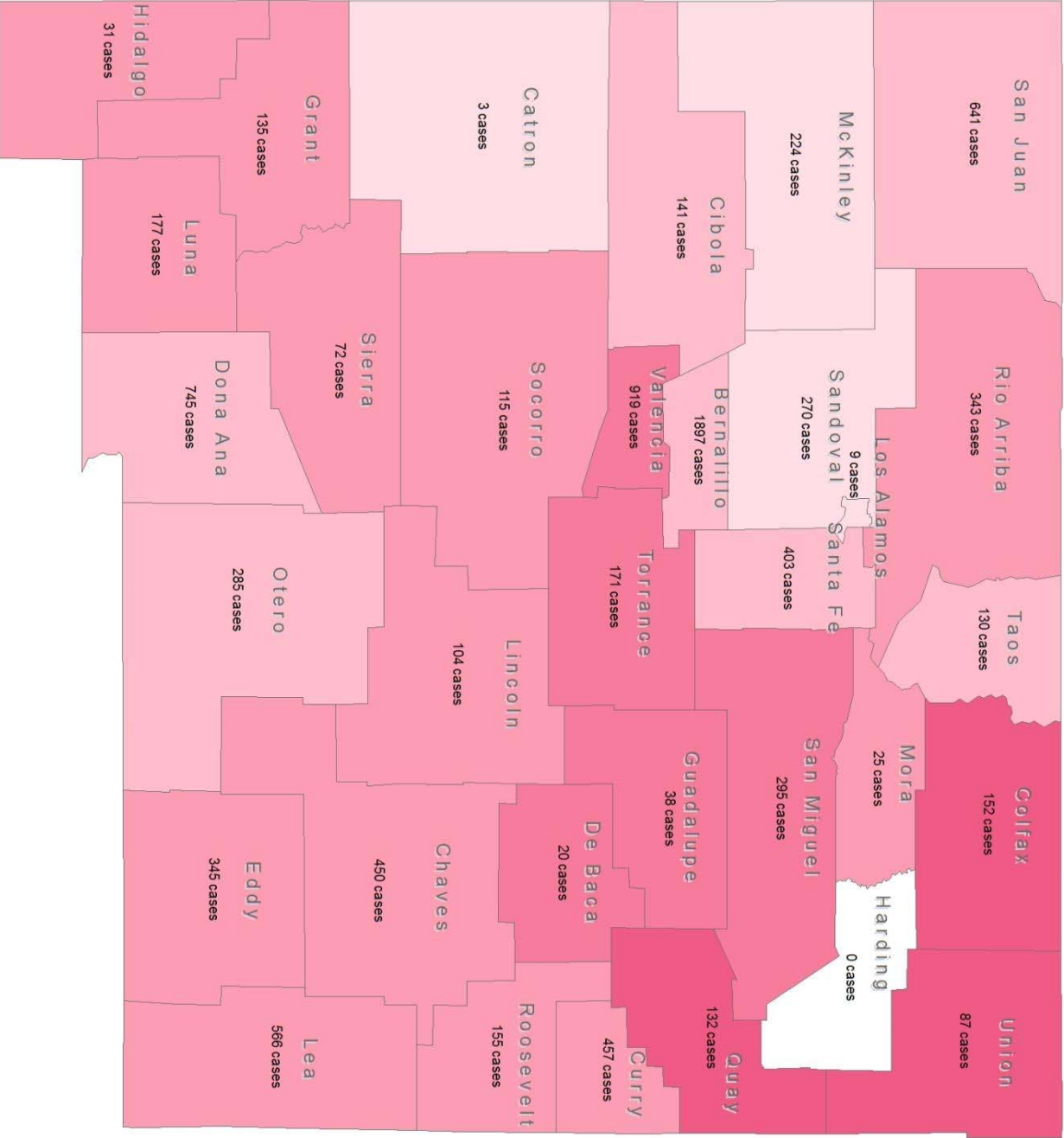
8.8% of New Mexico workers – over 83,000 people – were unemployed in January 2011.

# CYFD Protective Services

NM Counties  
2009 & 2010

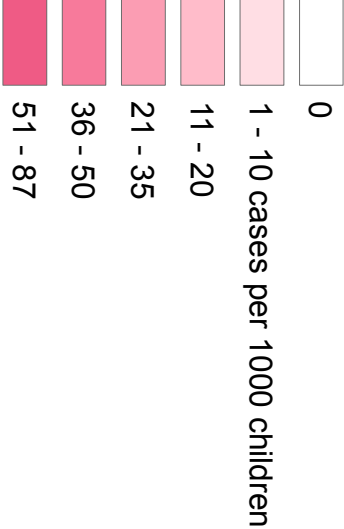
NEW MEXICO COMMUNITY DATA COLLABORATIVE

# How often are children abused in New Mexico?



## Rate of Child Abuse, 2010

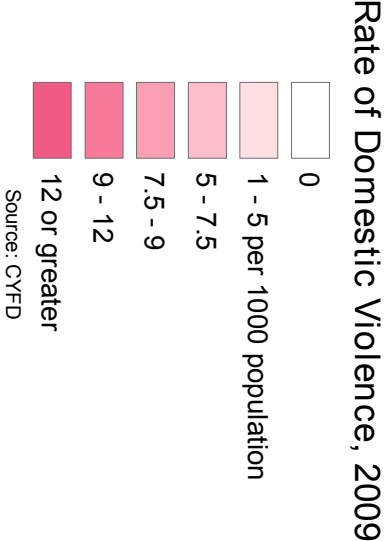
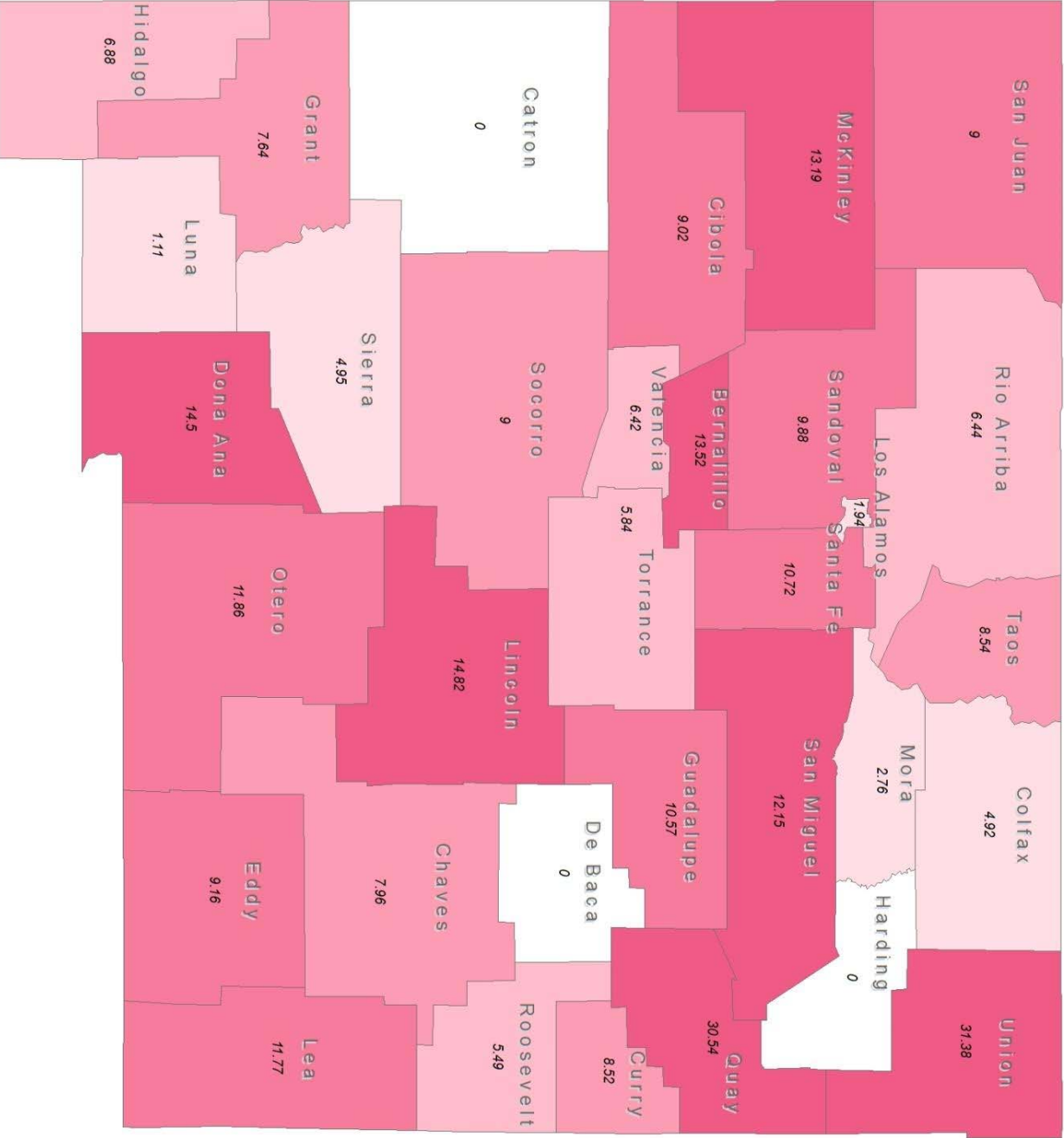
Number of Substantiated Cases



Source: CYFD Protective Services Factbook 2010

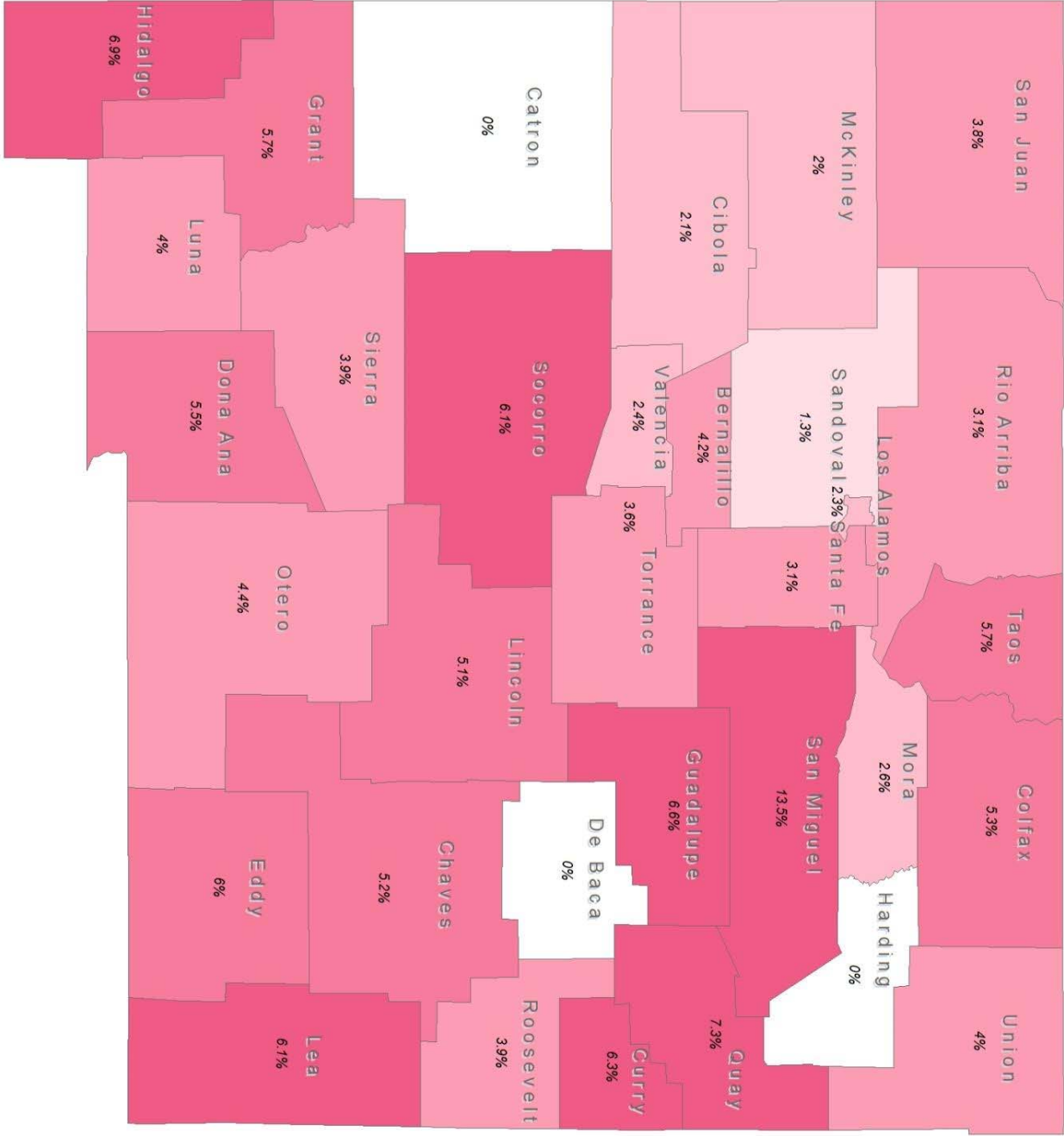
There were over 9500 substantiated allegations of child abuse and neglect in New Mexico in 2010.

# How much domestic violence occurs in New Mexico?



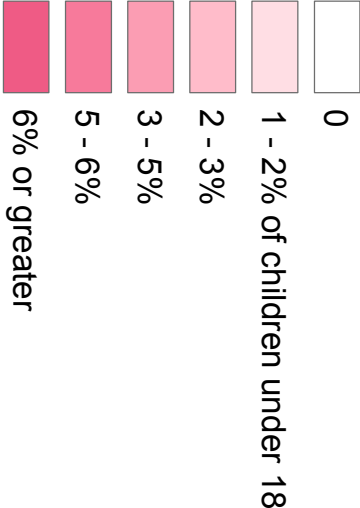
In 2008, there were over 16,000 domestic violence victims identified by law enforcement agencies in New Mexico. 72% were female.

# How many children are arrested in New Mexico?



## Juvenile Detention, 2009

Percent Under 18 Incarcerated



Source: CYFD

In 2009, nearly 22,000 children were arrested in New Mexico.

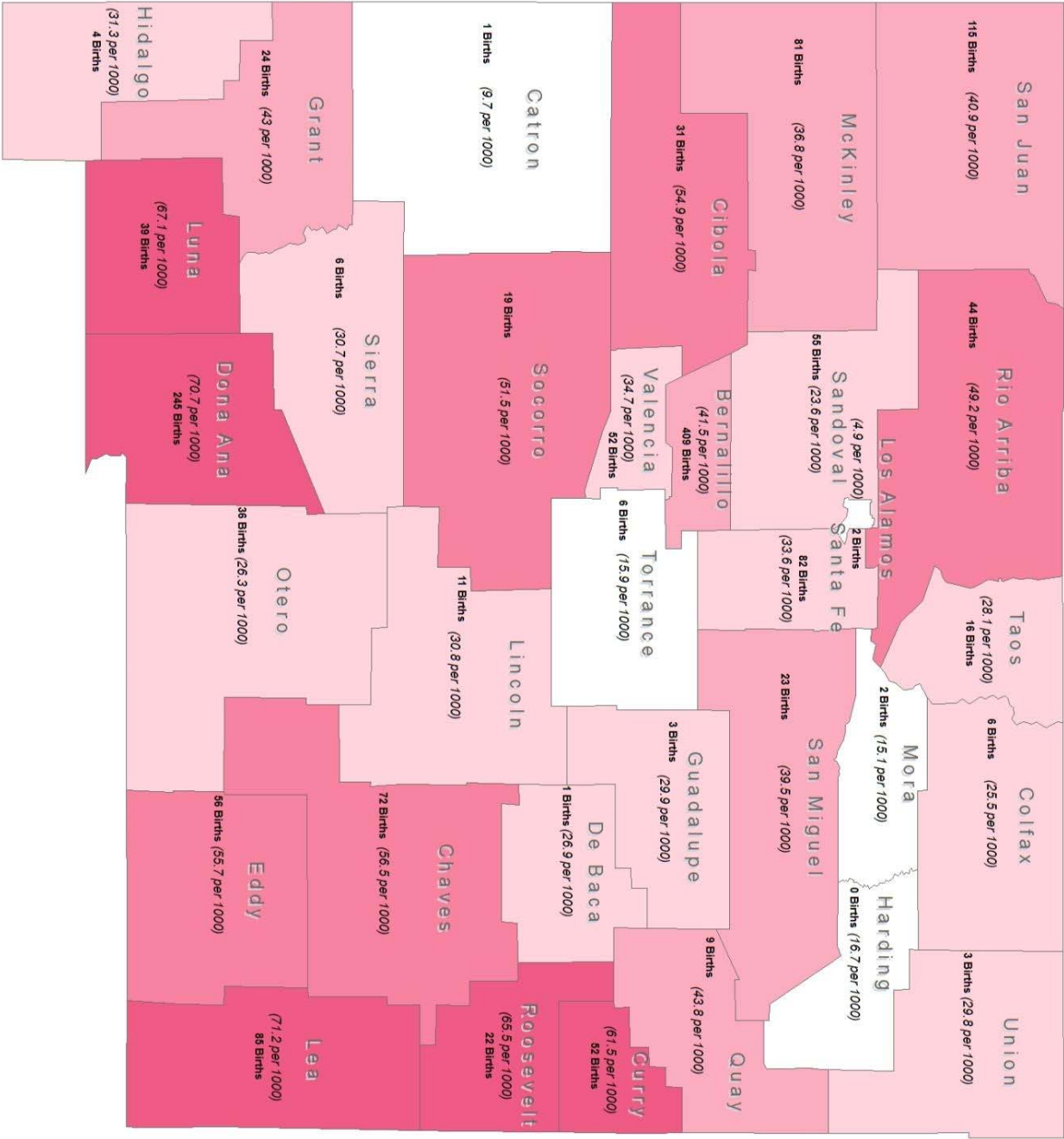
# Adolescent and Low Birth Weight Births

NM Counties

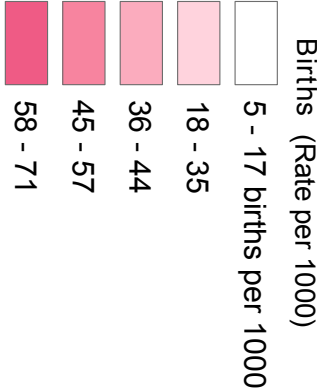
2004-2008

NEW MEXICO COMMUNITY DATA COLLABORATIVE

# How many young teens are having babies?



Birth Rate, Girls Age 15-17  
Annual Average 2004-2008

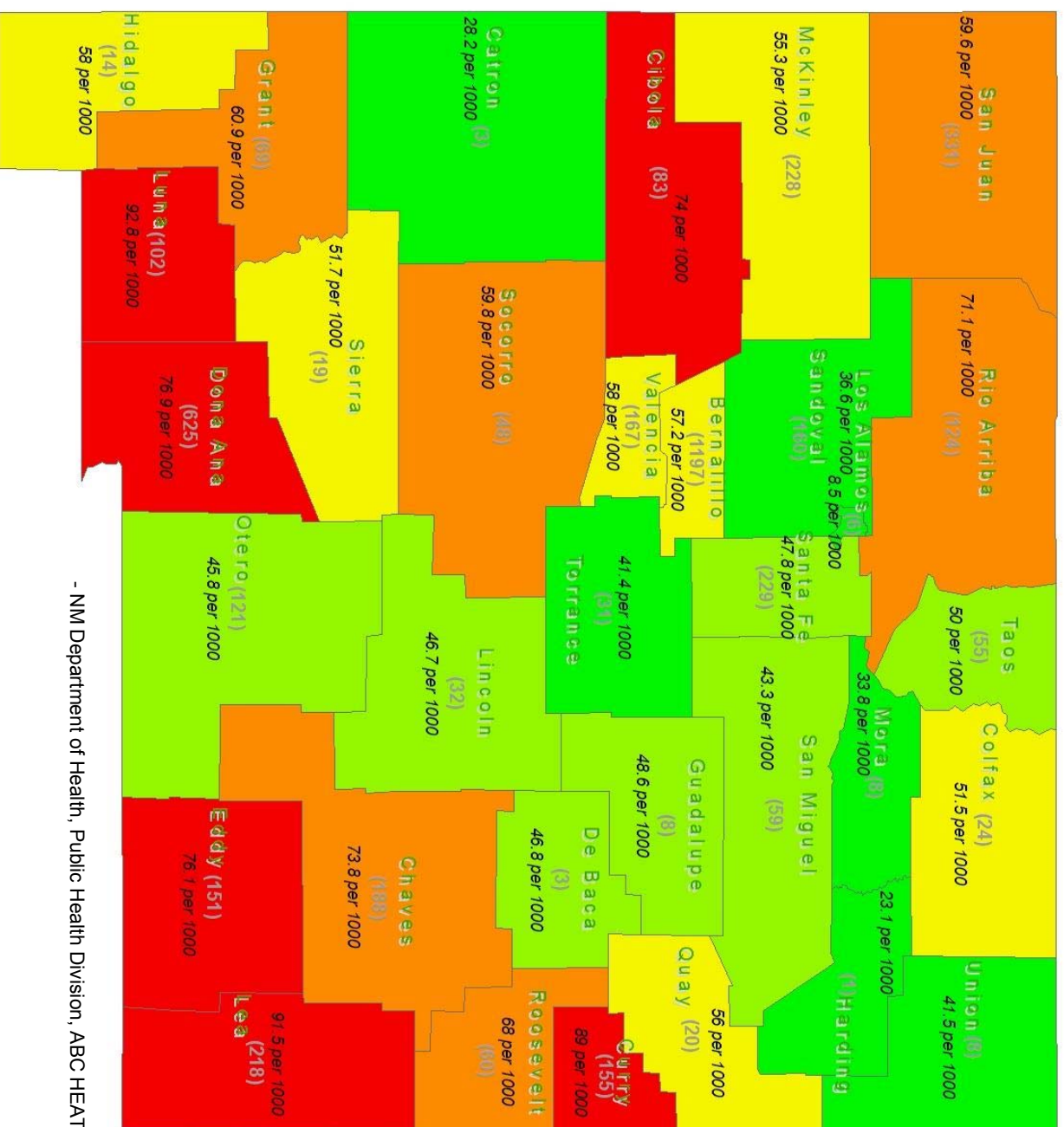


Source: NM DOH, NM IBIS

Statewide, the rate of births to girls ages 15 to 17 averaged 34.3 per 1000 during the period 2004-2008.



## Where Are Children At Risk Based On Teen Births?



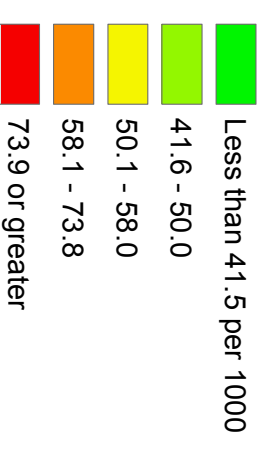
- NM Department of Health, Public Health Division, ABC HEAT

### Teen Births, 2003-07

Rate per 1000 women 15-19 yrs

Number of Teens Giving Birth (4560/yr)

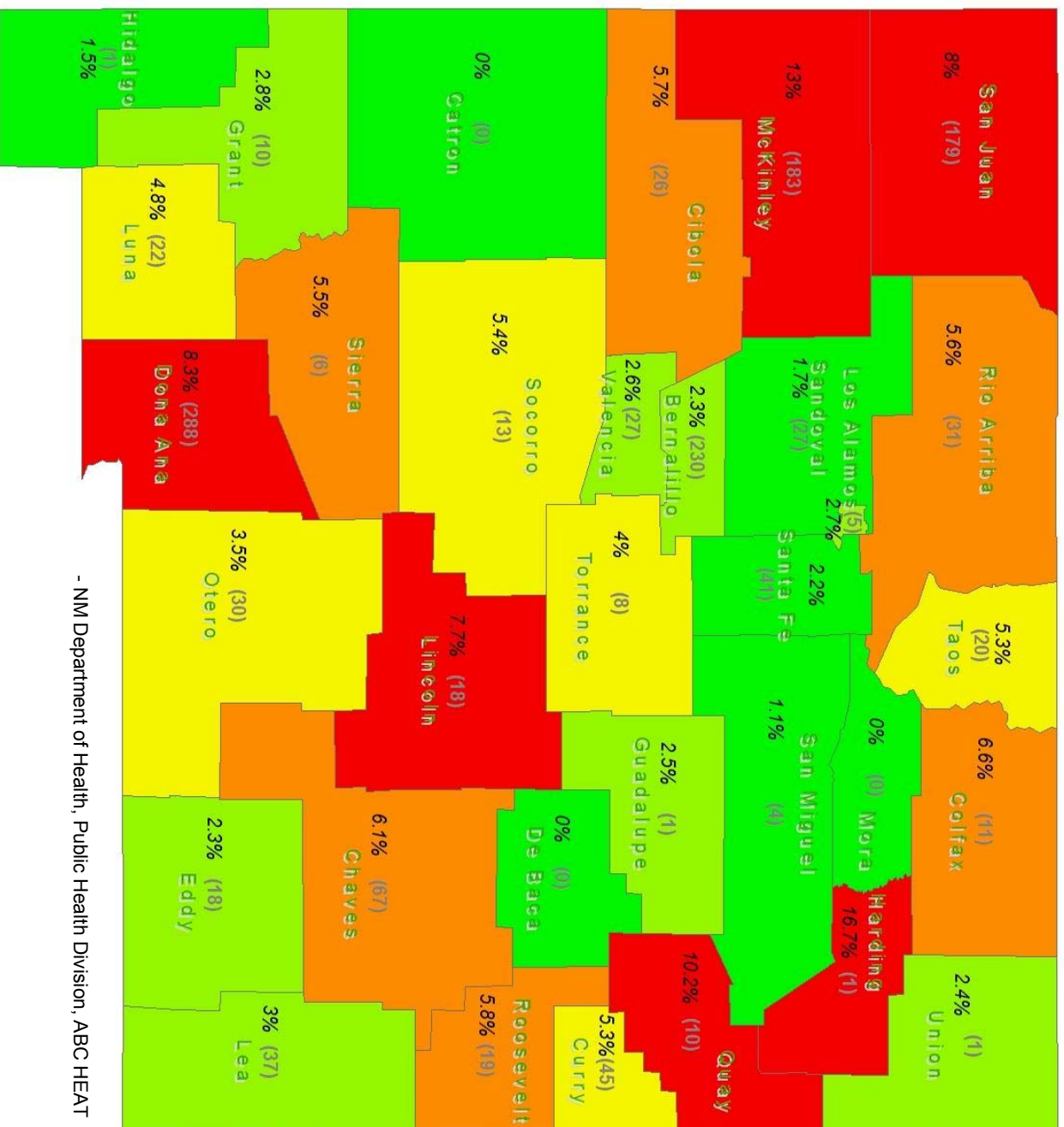
Source: NM DOH, Vital Records, NM IBIS



Statewide, the rate of births to girls ages 15 to 17 averaged 34.3 per 1000 during the period 2004-2008.



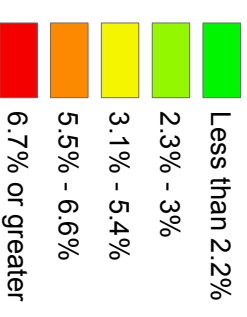
## Where Are Children At Risk Based On Late Pre-Natal Care?



- NM Department of Health, Public Health Division, ABC HEAT

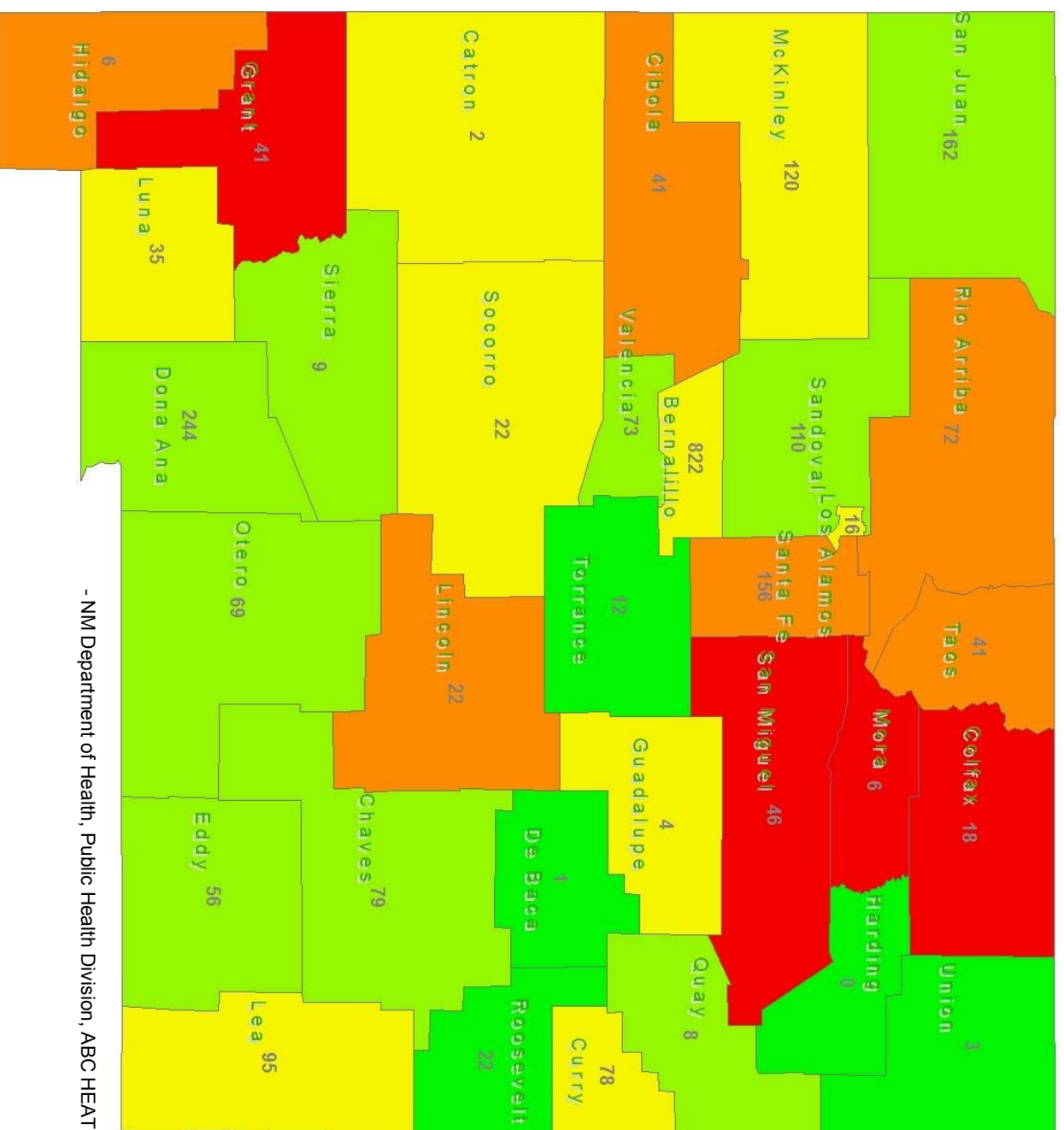
Prenatal Care Start in the  
Third Trimester, 2007  
Percent of Women Giving Birth  
Number of Women Starting  
Care in 3rd Trimester (1379)

Source: NMDOH, Vital Records, NM IBIS



Statewide, 4.5% of all women giving birth in 2007 did not receive pre-natal care until the last 3 months of their pregnancy. In some counties this rate was much higher.

## Where Are Children At Risk Based On Low Birth Weights?



- NM Department of Health, Public Health Division, ABC HEAT

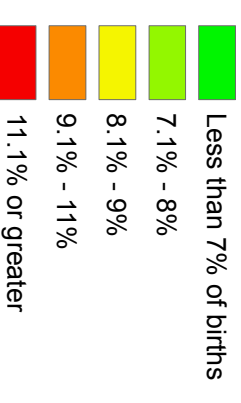
Low & Very Low  
Birth Weight Births, 2003-07

Percent of all Births

Average Annual Low & Very

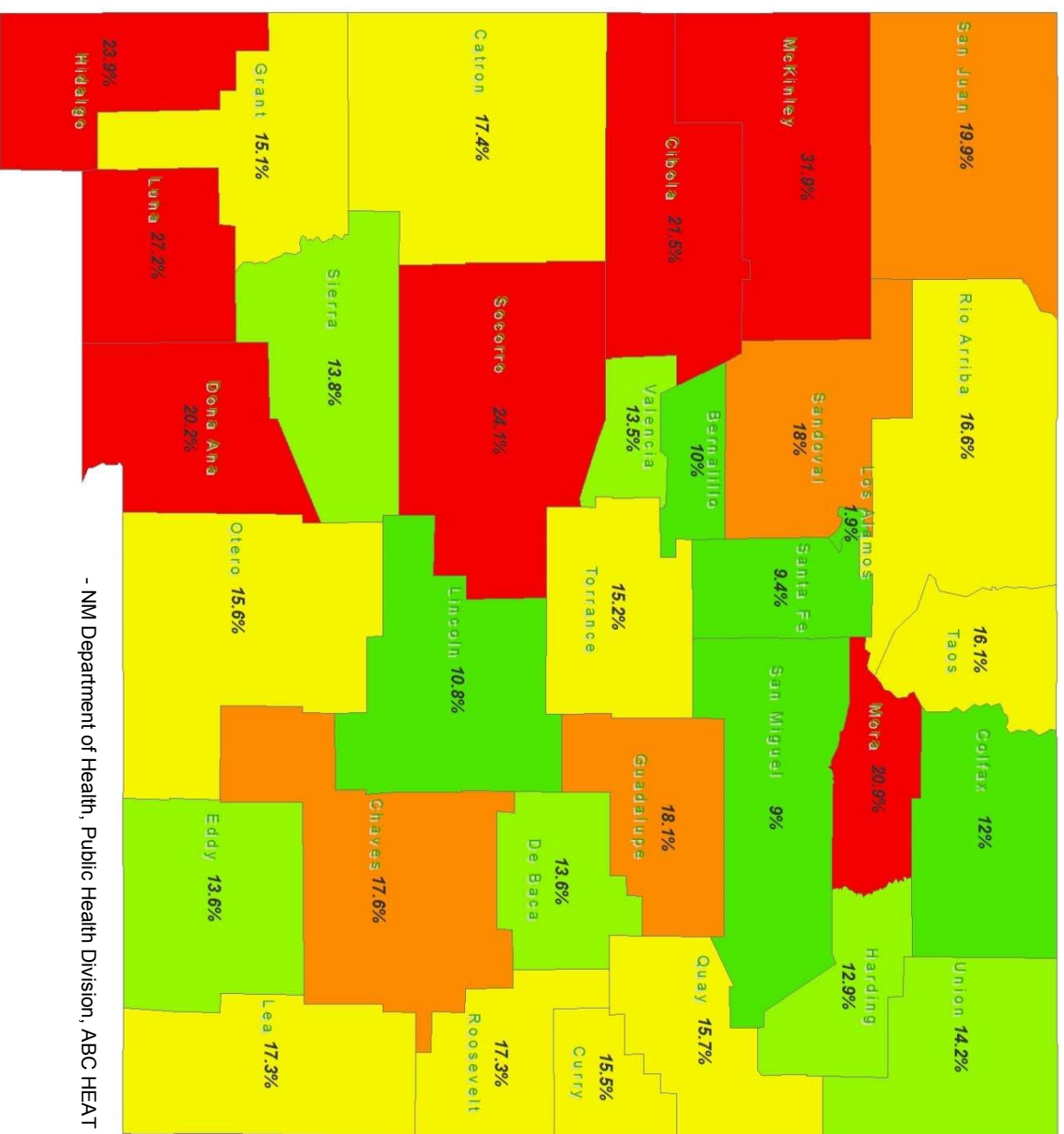
Low Birth Weight Births (2490/yr)

Source: NMDOH, Vital Records, NM IBIS



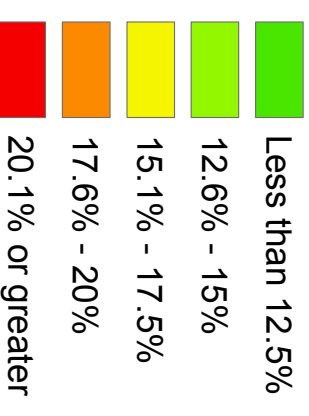
Statewide, 8.6% of all babies born during the period 2004-2008 weighed less than 2500 grams.

## Where Are Children At Risk Based On % Of Families In Poverty?



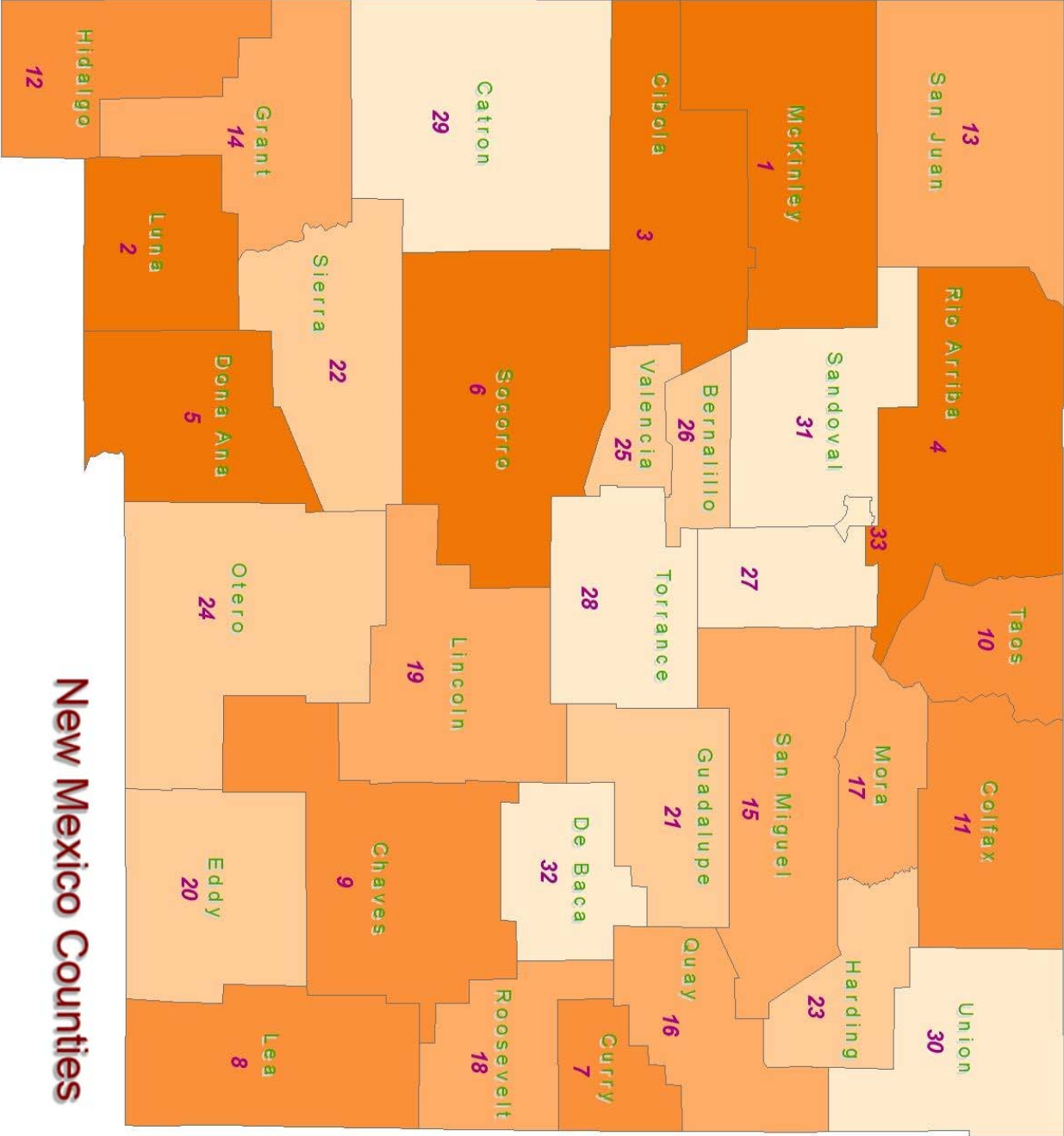
Families Under 100% of Federal Poverty Level, 2008

Source: US Census, ACS, 2008



Over 317,000 people in New Mexico live within incomes below the Federal Poverty Level.

In which NM Counties are children and their families most at risk based on a Combined Risk Factor Index?



## New Mexico Counties

Combined Risk Factor Index  
Teen Birth Rate, % Late Pre-Natal Care,  
% Low Birth Weight, % Families in Poverty

- Highest Risk (1st - 6th)
- Above Average Risk (7th - 12th)
- Average Risk (13th - 19th)
- Below Average Risk (20th - 26th)
- Lowest Risk (27th - 33rd)

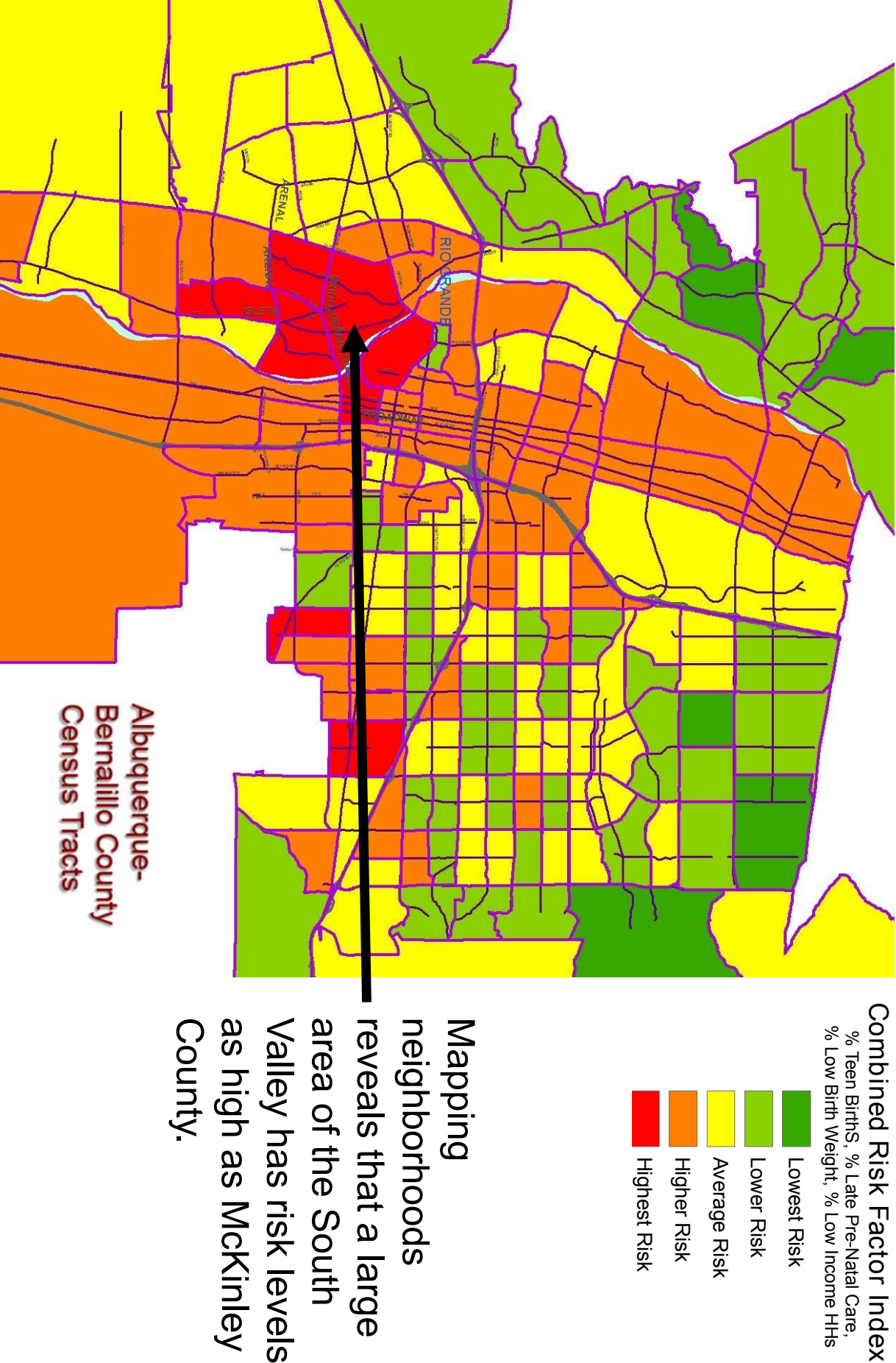
27 County Rank

McKinley and Luna  
Counties rank 1<sup>st</sup> and  
2<sup>nd</sup> for risk.

Bernalillo County  
ranks 25<sup>th</sup>, but . . .



# In which Bernalillo County neighborhoods are they most at risk?



An index combining 4 key factors was used to identify 6 contiguous South Valley and South Central Albuquerque census tracts with the highest need for home visitation programs. This slide shows all Albuquerque census tracts evaluated for those 4 risk factors. The colors on the map represent the relative level of risk.



# SELECTED MEASURES OF EARLY CHILDHOOD SERVICES

May 31, 2011

# HOME VISITATION

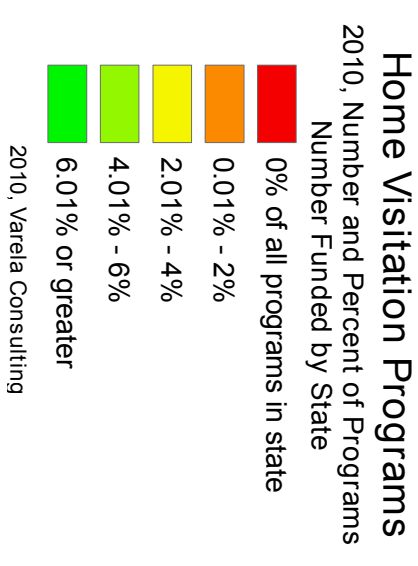
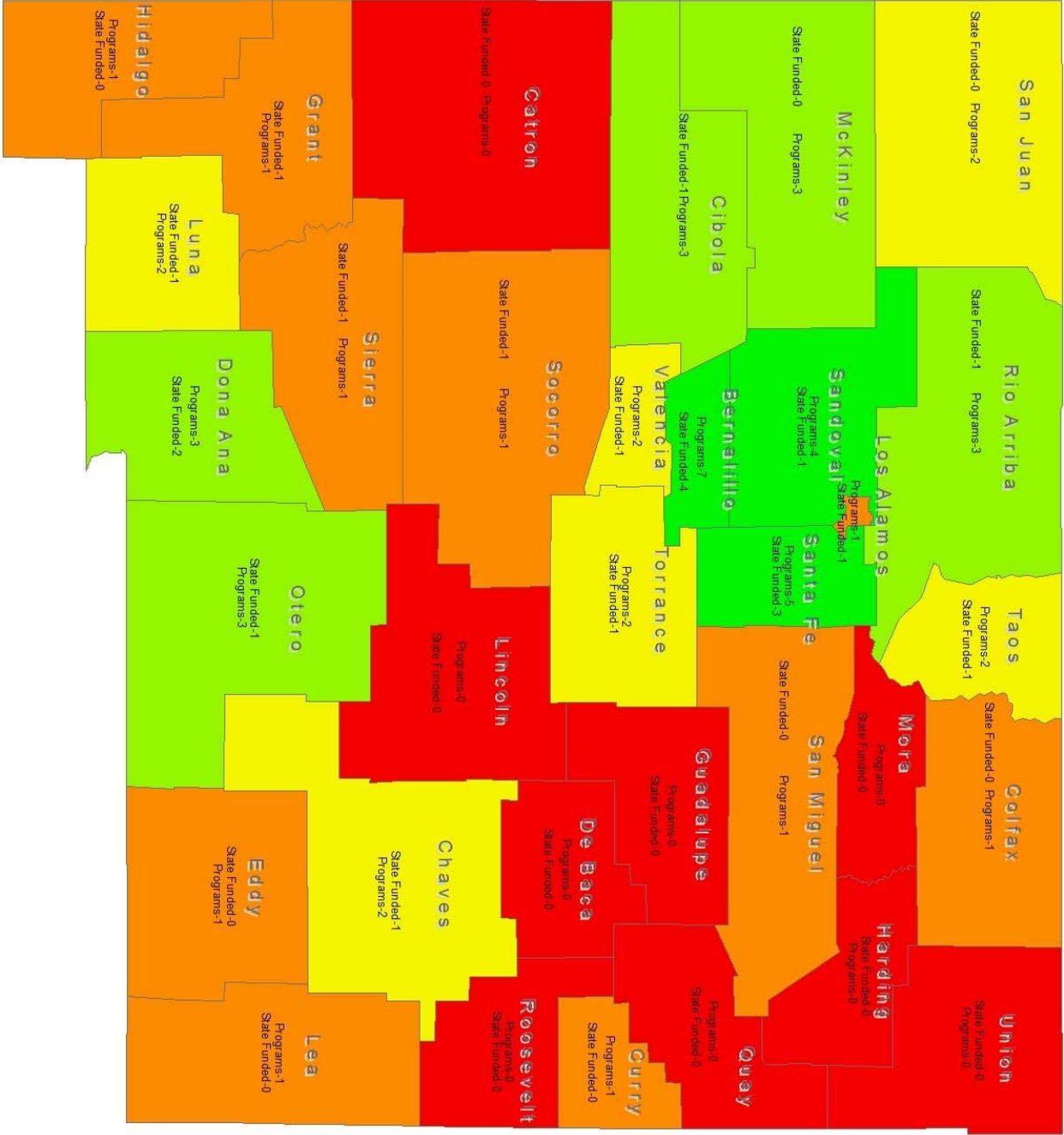
NM COUNTIES

2010

NEW MEXICO COMMUNITY DATA COLLABORATIVE

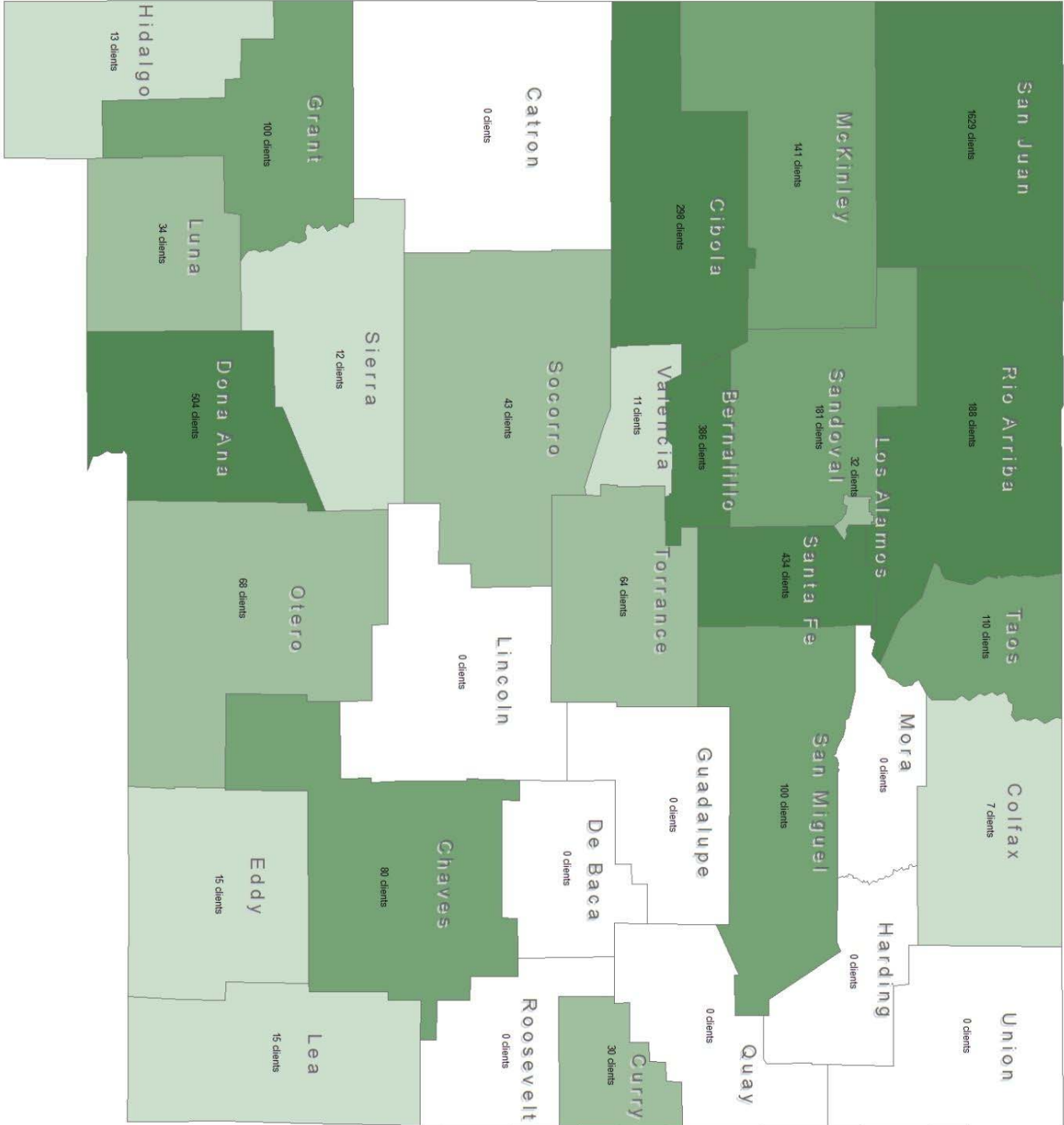


# Where does New Mexico offer home visitation services to newborns?



There are 53 programs providing home visitation services in New Mexico.

# How many of New Mexico's families receive home visitation services?



Families Receiving Home Visits

0

1 - 15 Families

16 - 68

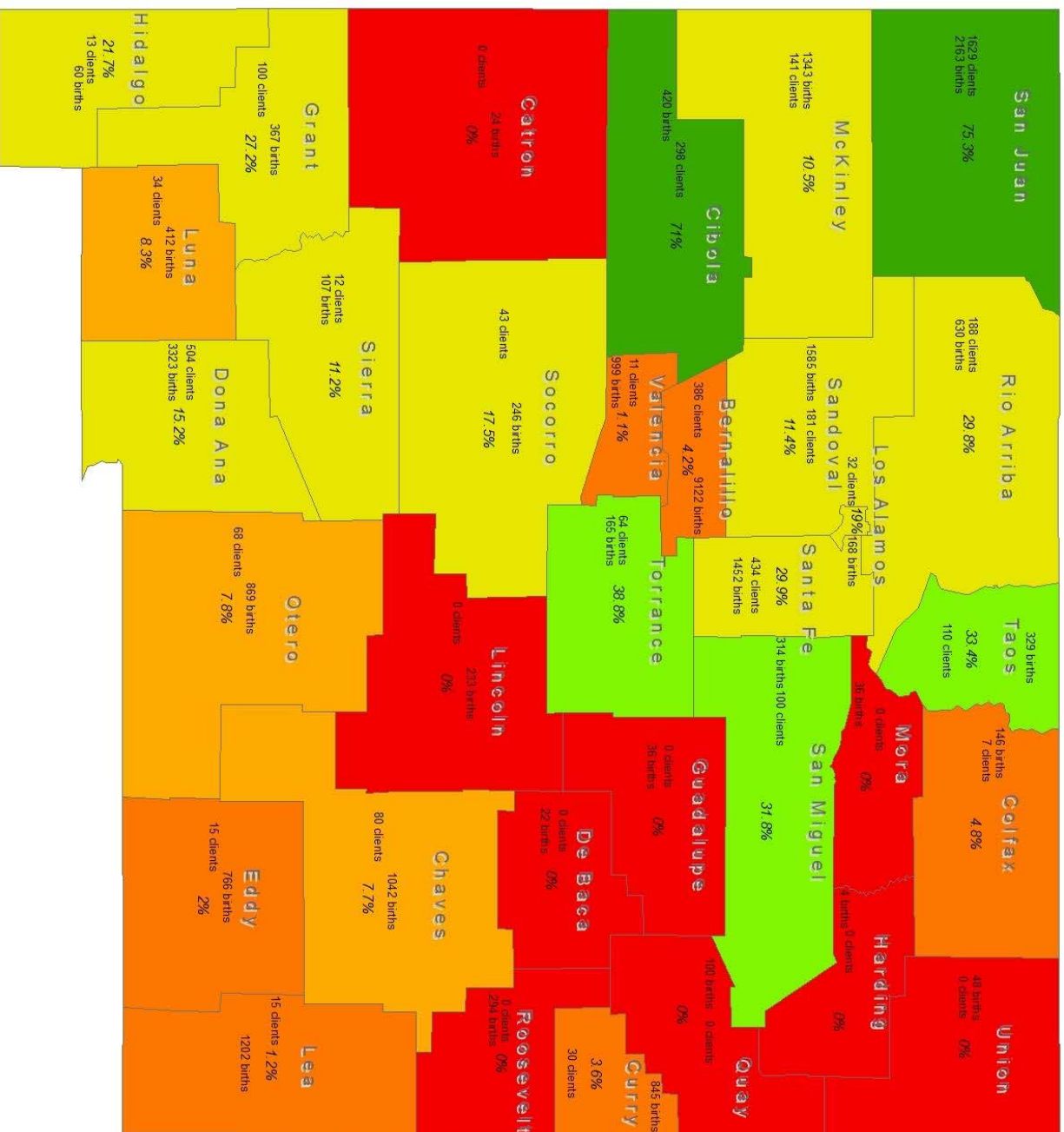
69 - 181

182 - 1629

2010, Varela Consulting

Approximately 5000 families received home visitation services in 2010.

# What percentage of New Mexico's newborns receive home visitation services?



Home Visitation Clients as a Percent of Newborns

- 0% of newborns
- 0.1% - 5%
- 5.1% - 10%
- 10.1% - 30%
- 30.1% - 50%
- 50.1% or greater

2010, Varela Consulting;  
2009, NMDOH Vital Records

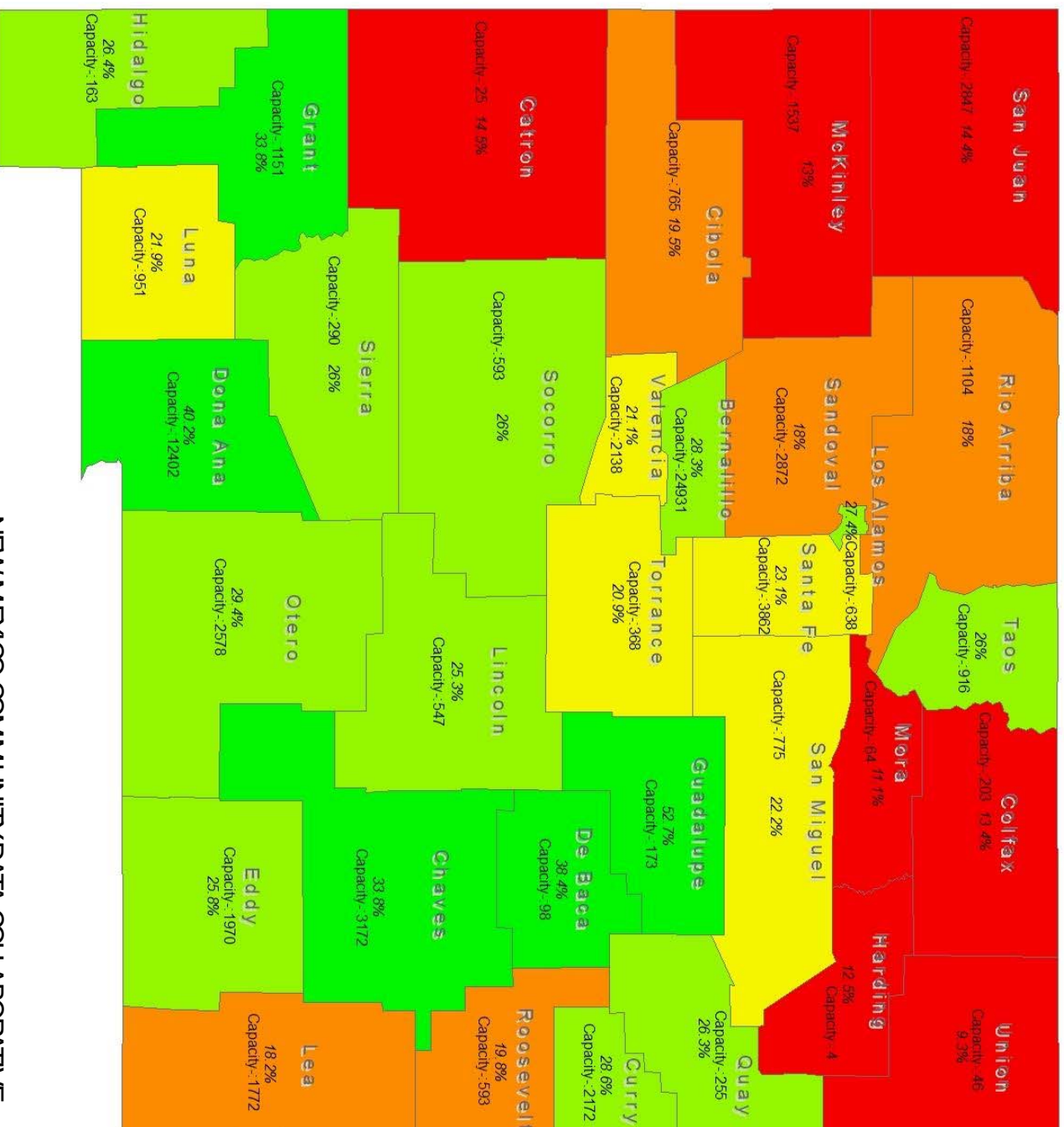
Approximately 5000 newborns (17%) received home visitation services in 2010. In San Juan and Cibola counties, over 50% of newborns received home visitation services.

# CHILD CARE

## NM COUNTIES & CENSUS TRACTS 2010

NEW MEXICO COMMUNITY DATA COLLABORATIVE

# How many children fit into New Mexico's child care facilities?



**Child Care Capacity**  
as Percent of Children Under 10 yrs,  
and Number of Child Care Slots

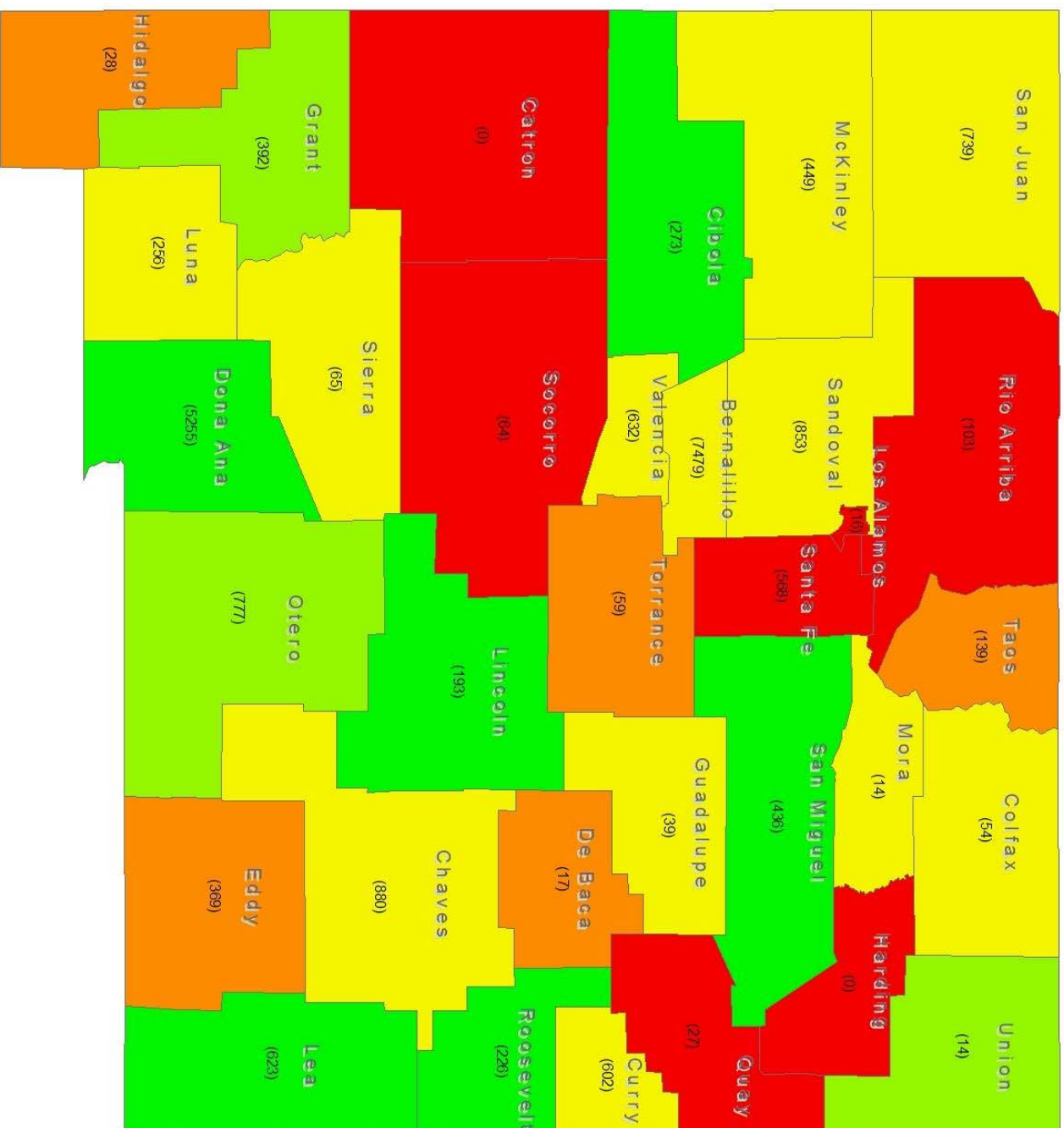
- 9.3% - 15% of all children
- 15.1% - 20%
- 20.1% - 25%
- 25.1% - 30%
- 30.1% or greater

Includes all licensed and registered facilities  
2011, CYFD

New Mexico's 5600 Child Care facilities have room for 72,000 children (or 25% of all children under 10). Capacity varies by county.



# How many children are subsidized to attend New Mexico's child care facilities?



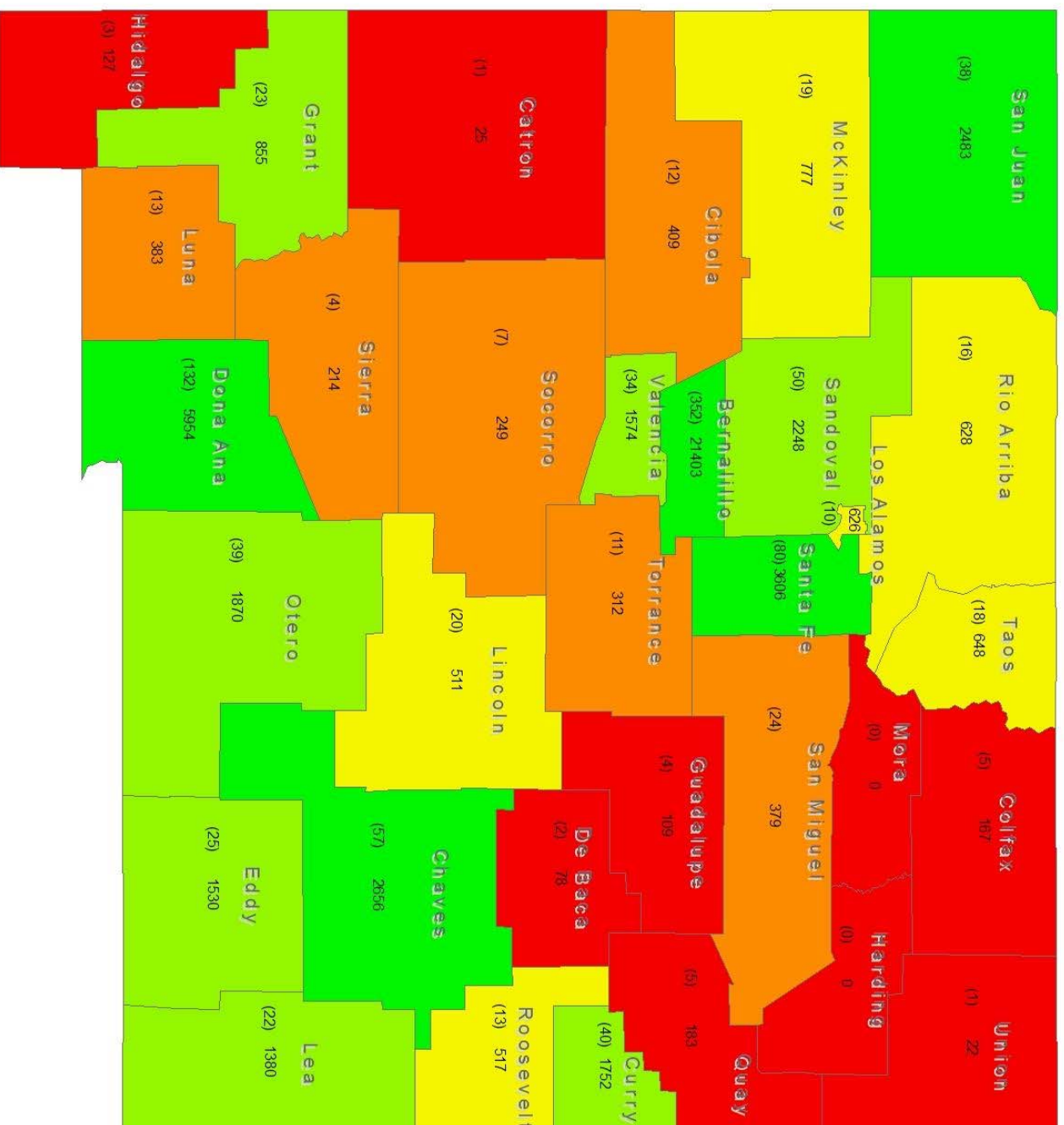
Child Care - Subsidized Placement  
Percent of All Children in Child Care  
(Number)

- 0% - 15% of all children in child care
- 15.1% - 20%
- 20.1% - 30%
- 30.1% - 35%
- 35.1% or greater

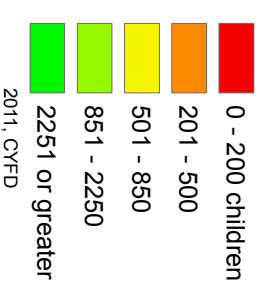
2011, CYFD

NM Child Care facilities receive subsidized funding for 22,000 children (30% of the 72,000 children receiving child care services).

# How many children fit into New Mexico's licensed child care facilities?



Capacity at Licensed Centers and Homes  
(Number of Licensed Centers and Homes)

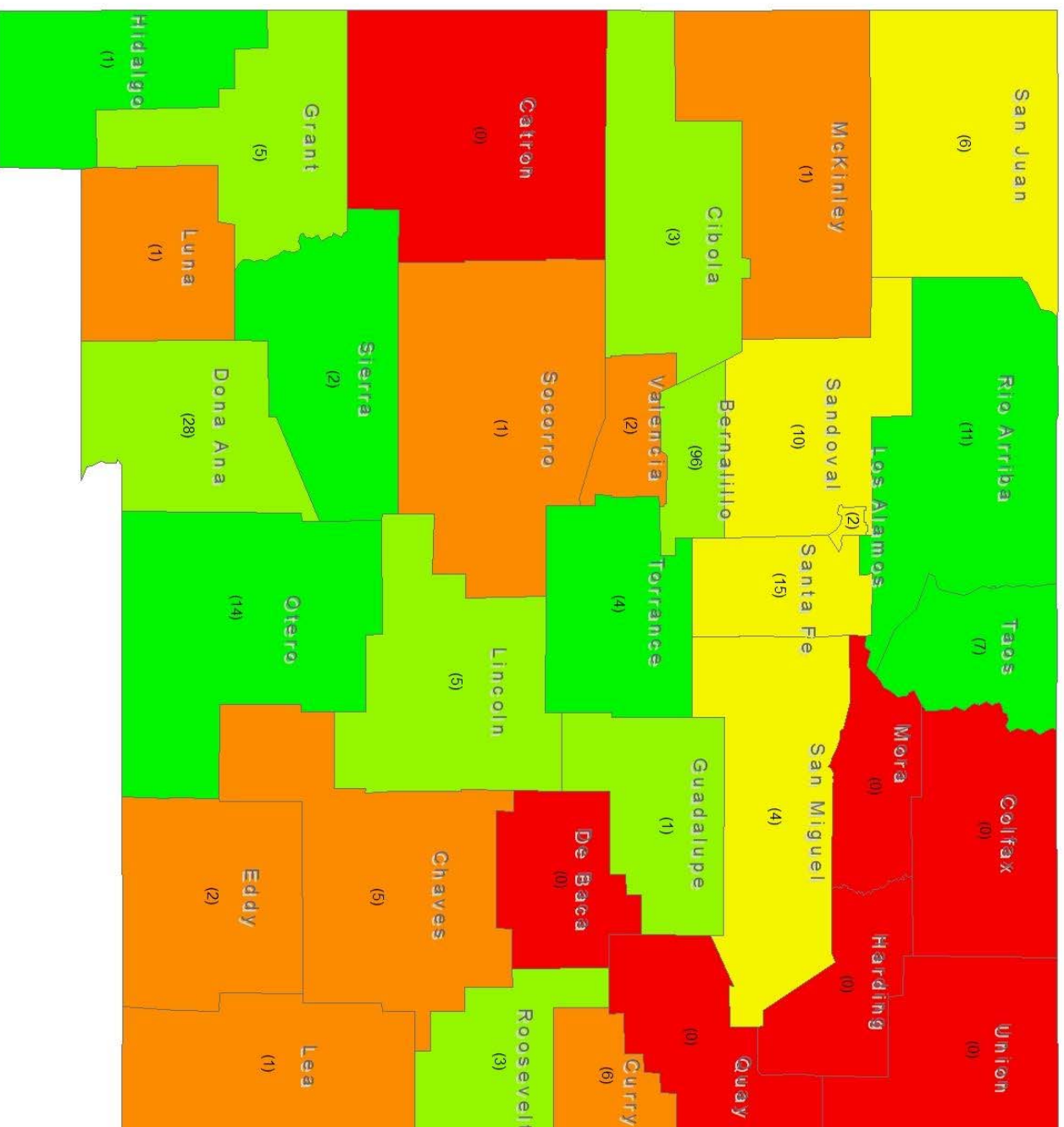


There are 1080 licensed child care facilities, with room – on average – for 50 to 70 children.

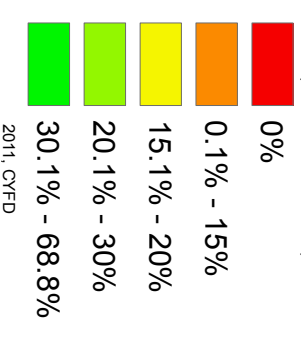
It total, they can accommodate 53,000 children, or 75% of the total child care capacity.

4500 registered facilities, with room for 4 children each, serve the other 18,000 children.

# How many high quality licensed child care facilities are there in New Mexico?



4 & 5 Star Licensed Centers and Homes  
as Percent of all Licensed Centers and Homes  
(Number 4 & 5 Star)



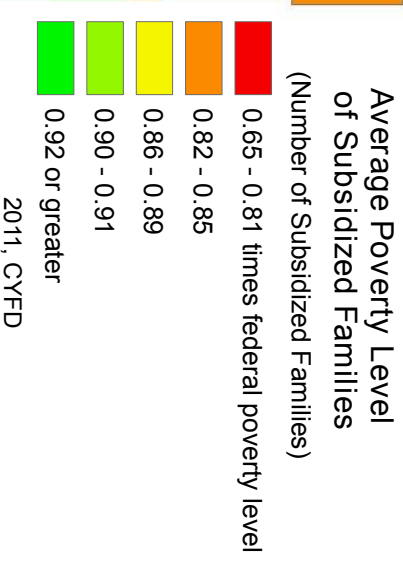
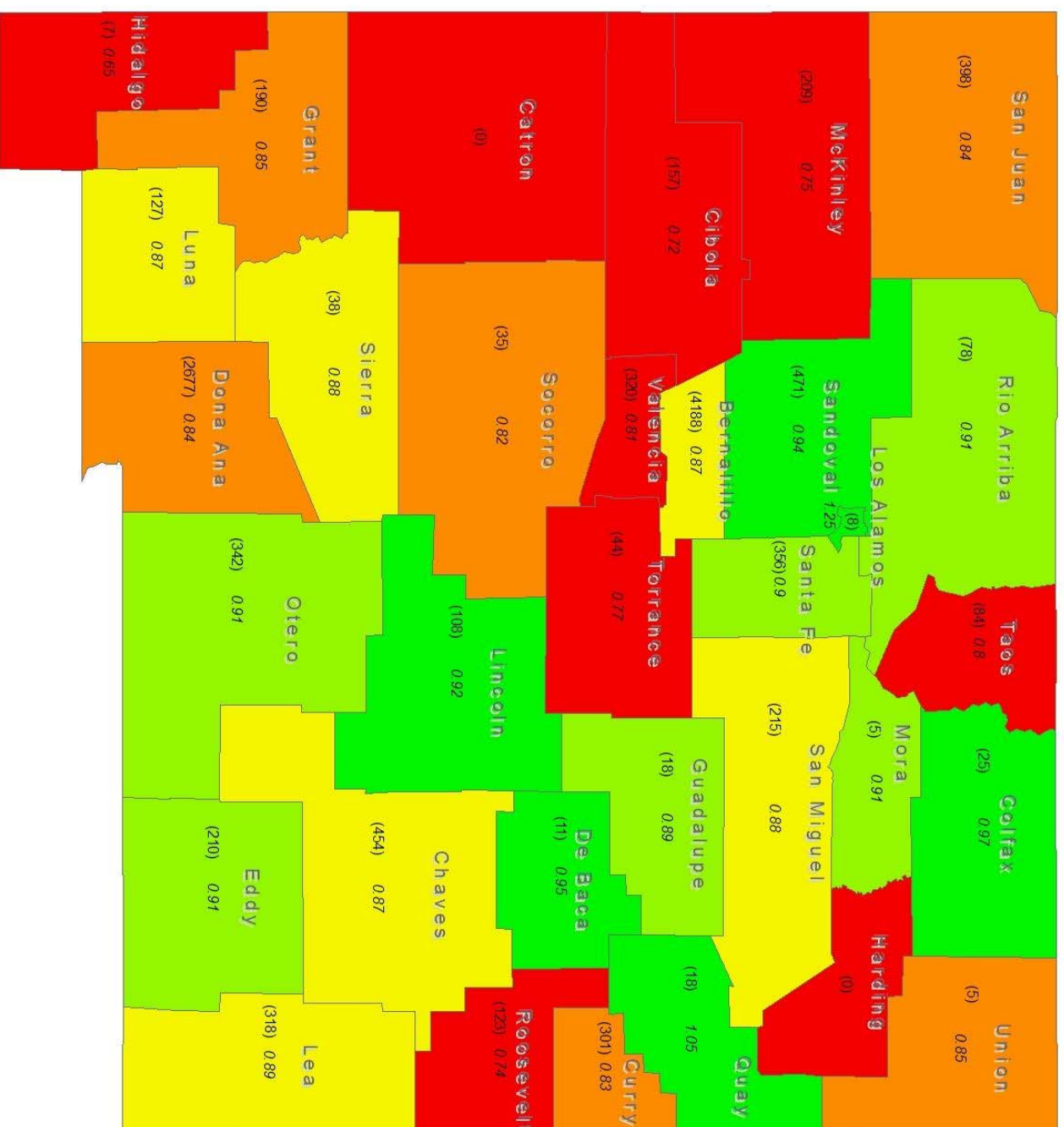
There are 1080 licensed child care facilities, including 236 that are rated as 4- or 5-Star.

4- or 5-Star facilities make up 4% of all facilities (licensed and registered) and 21% of all licensed facilities.

Together they hold 16,000 children, or 22% of children in child care.

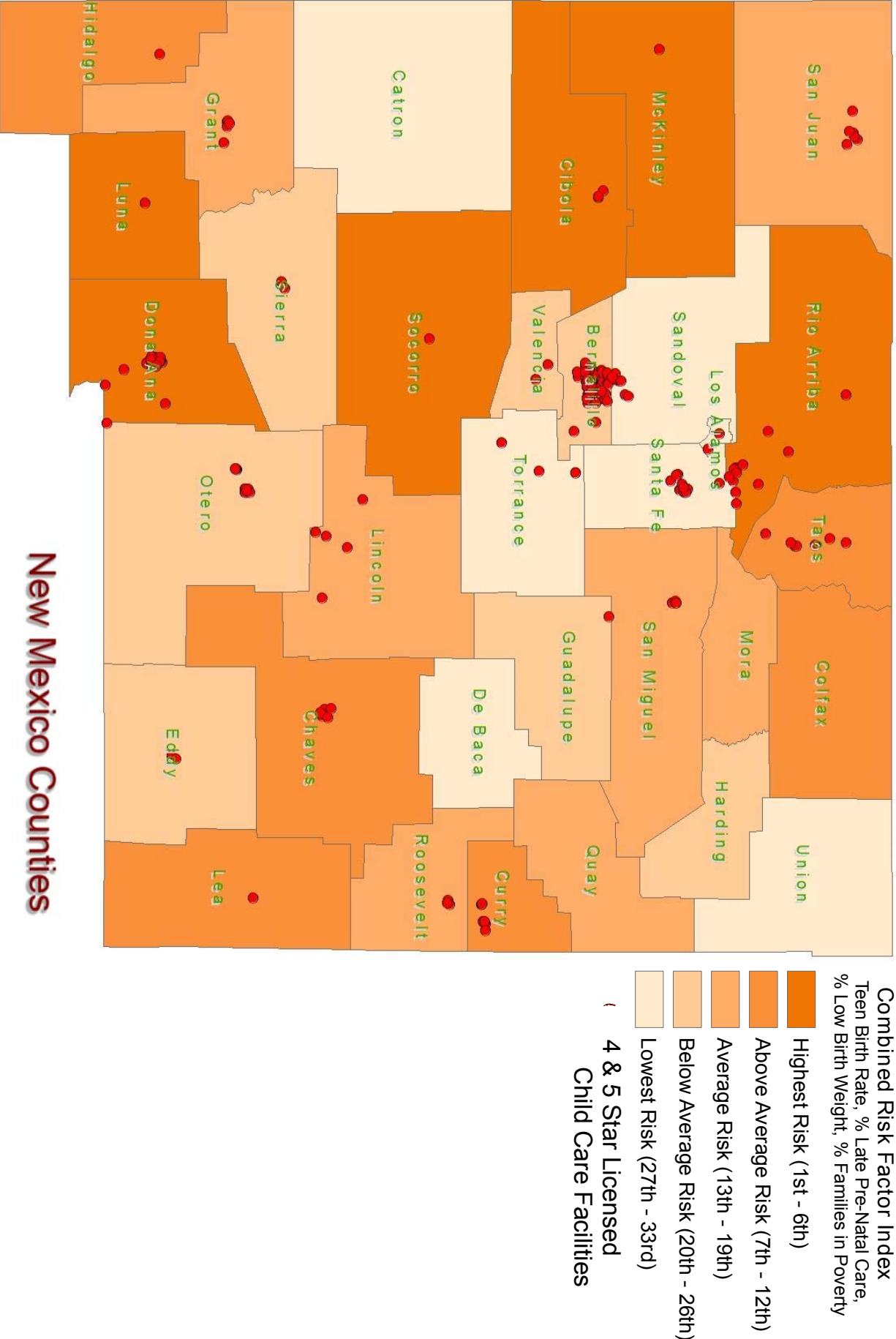


# How poor are the families receiving subsidized child care in New Mexico?

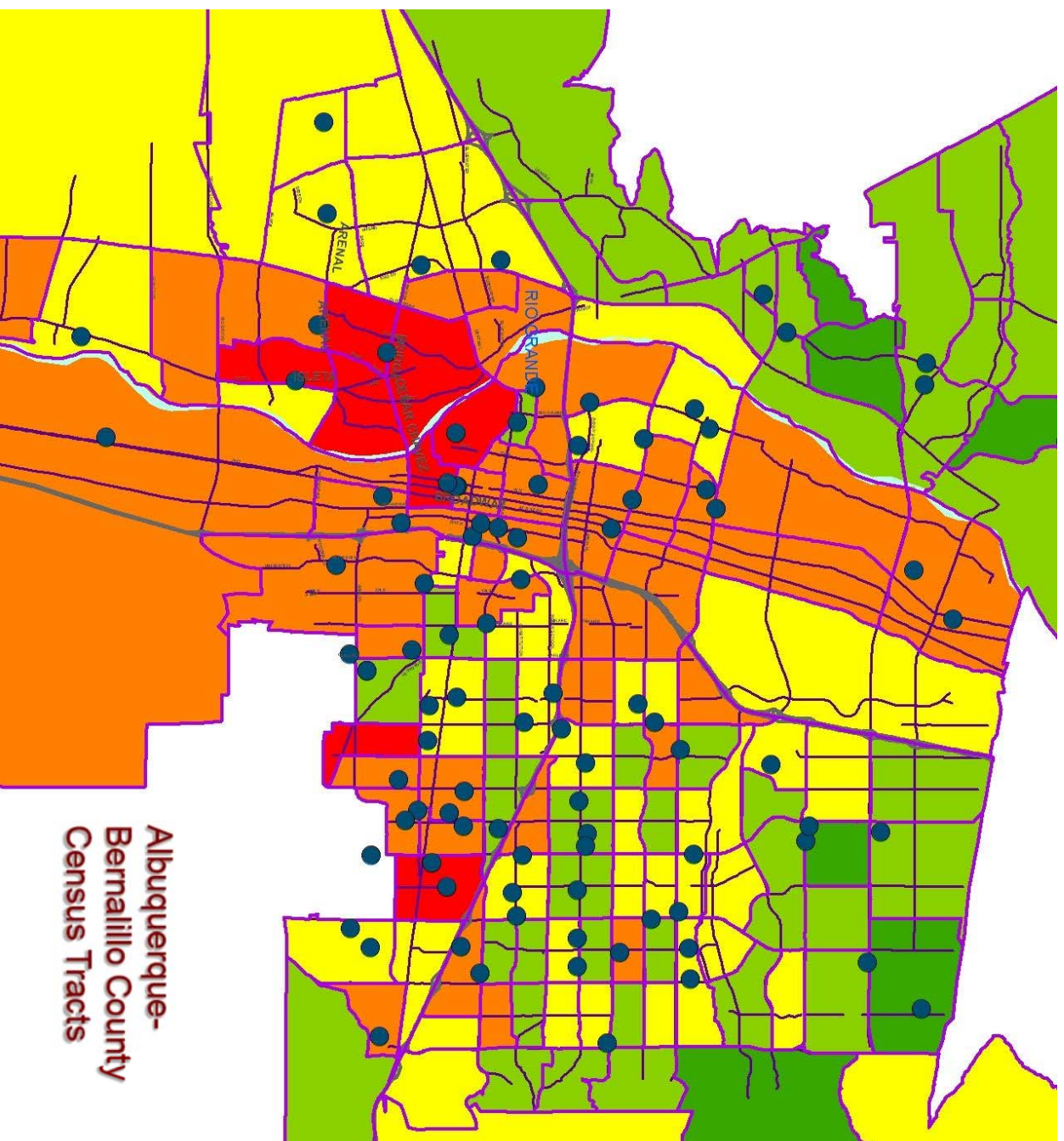


The average family qualifying for subsidized child care has an income below the federal poverty level.

# Are there high quality Child Care programs in the areas most at risk?



## Are there high quality Child Care programs in the areas most at risk in Albuquerque?

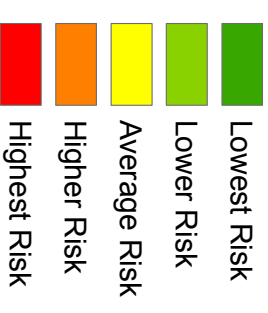


- NM Department of Health, Public Health Division, ABC HEAT

Albuquerque-  
Bernalillo County  
Census Tracts

### Combined Risk Factor Index

% Teen Births, % Late Pre-Natal Care,  
% Low Birth Weight, % Low Income HHs

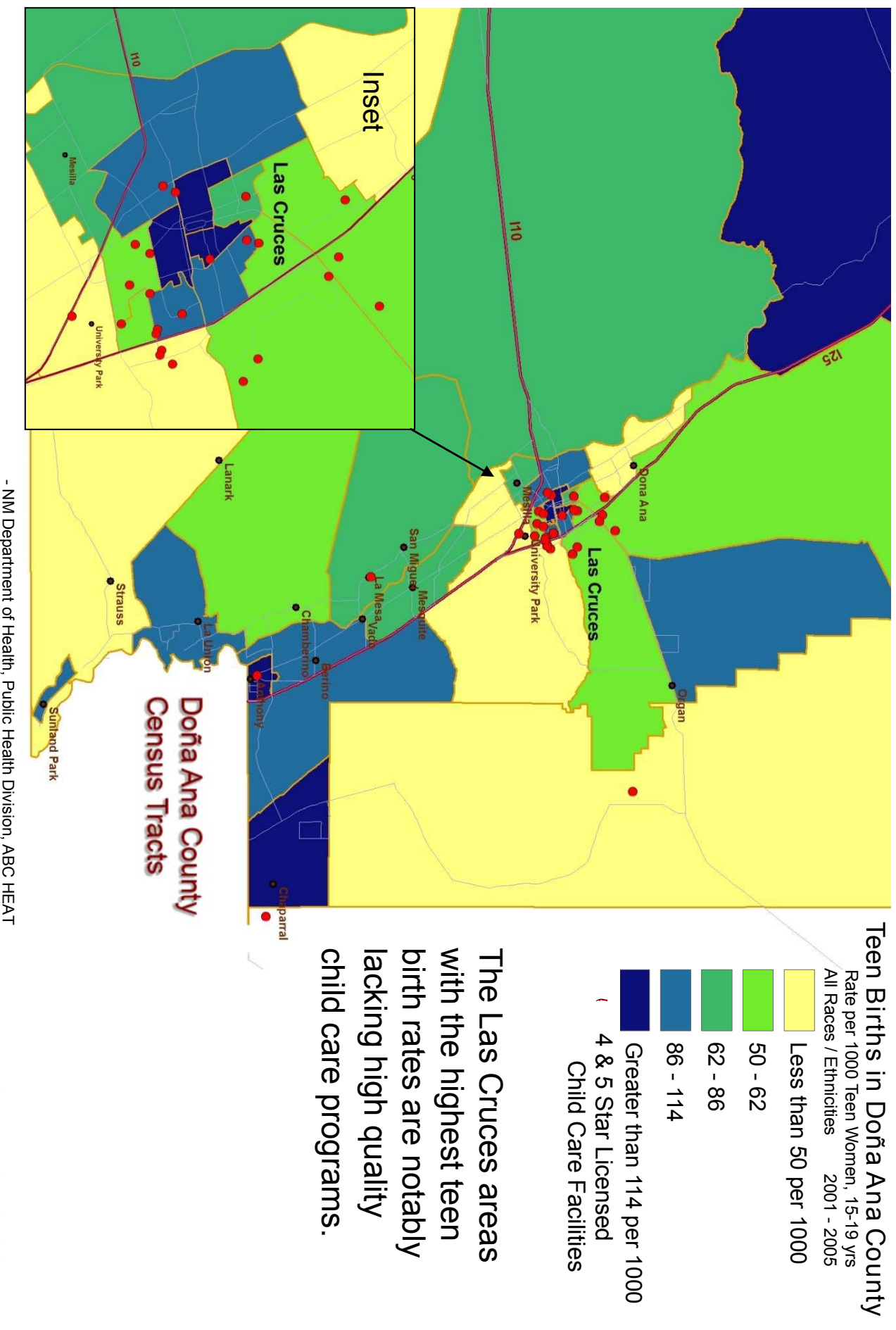


{ 4 & 5 Star Licensed  
Child Care Facilities

The Albuquerque neighborhood of highest risk (with a population of 35,000) is served by 1 high quality child care program, 1 City of Albuquerque pre-school, and 4 Head Start programs.



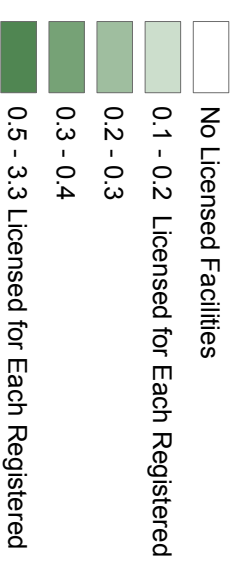
## Are there high quality Child Care programs in the areas at risk in Las Cruces?



# What is the ratio of licensed to registered child care facilities – by county?

Access to Quality Child Care

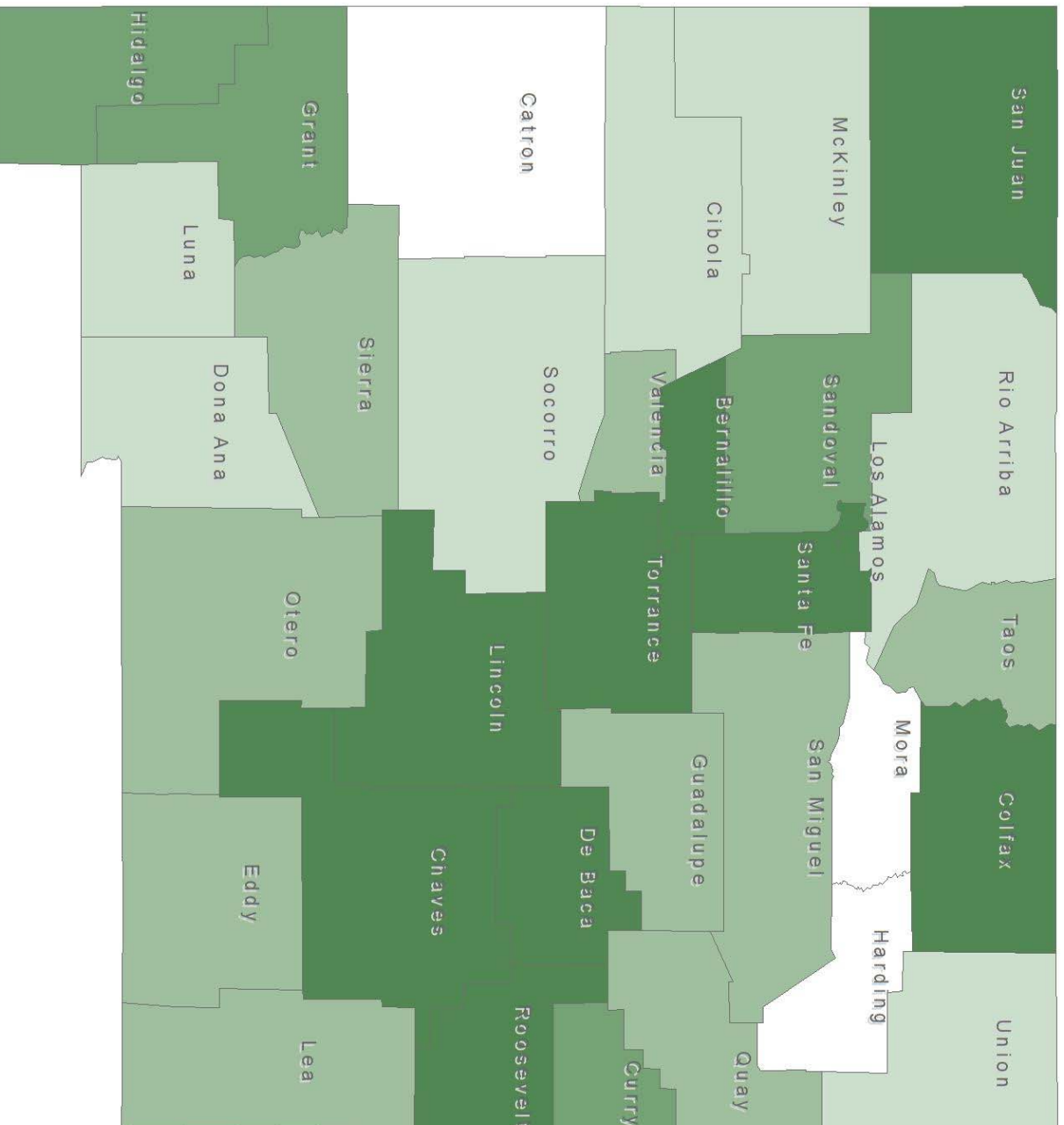
Ratio, Licensed Centers : Registered Homes



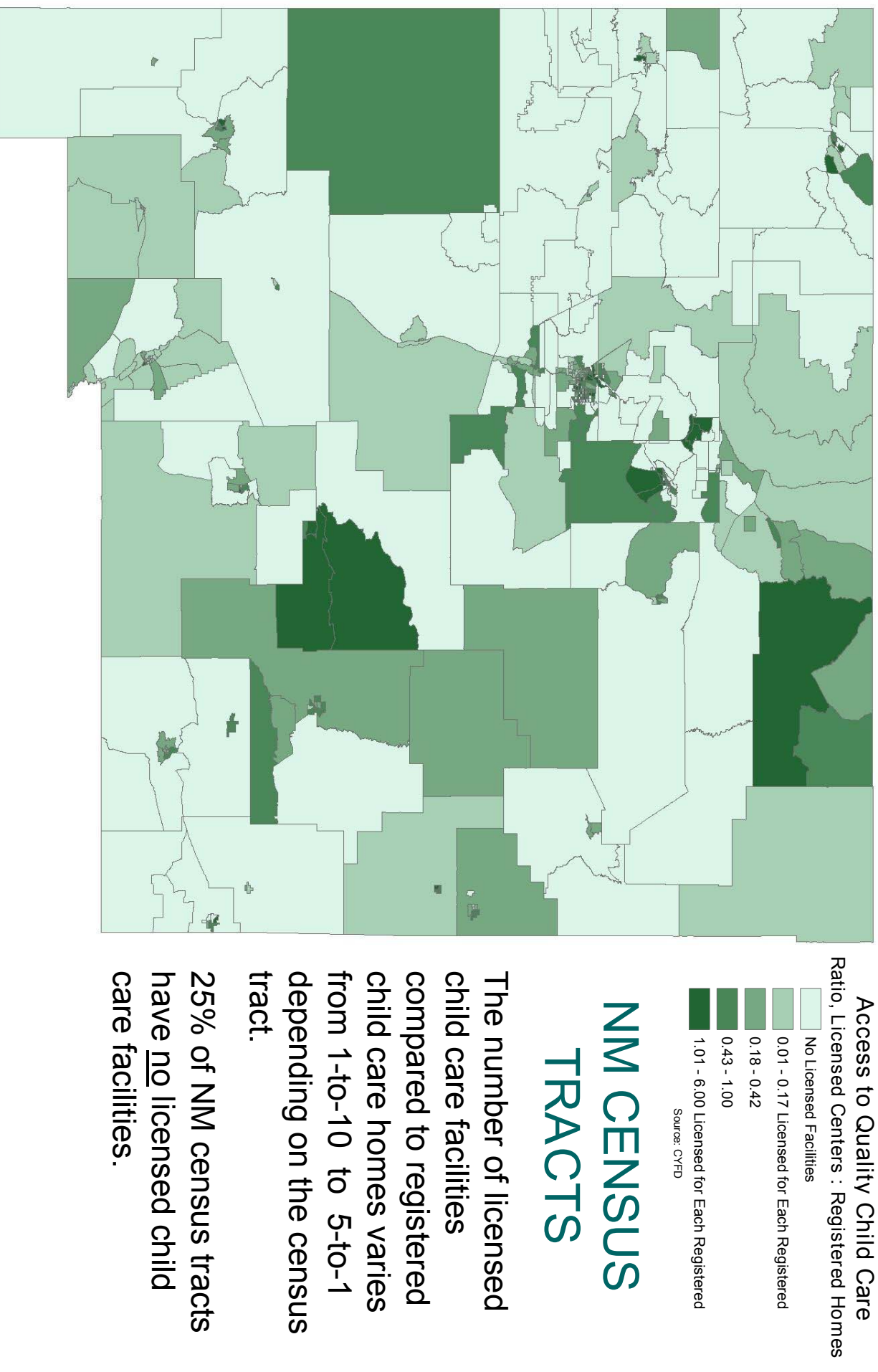
Source: CYFD

## NM COUNTIES

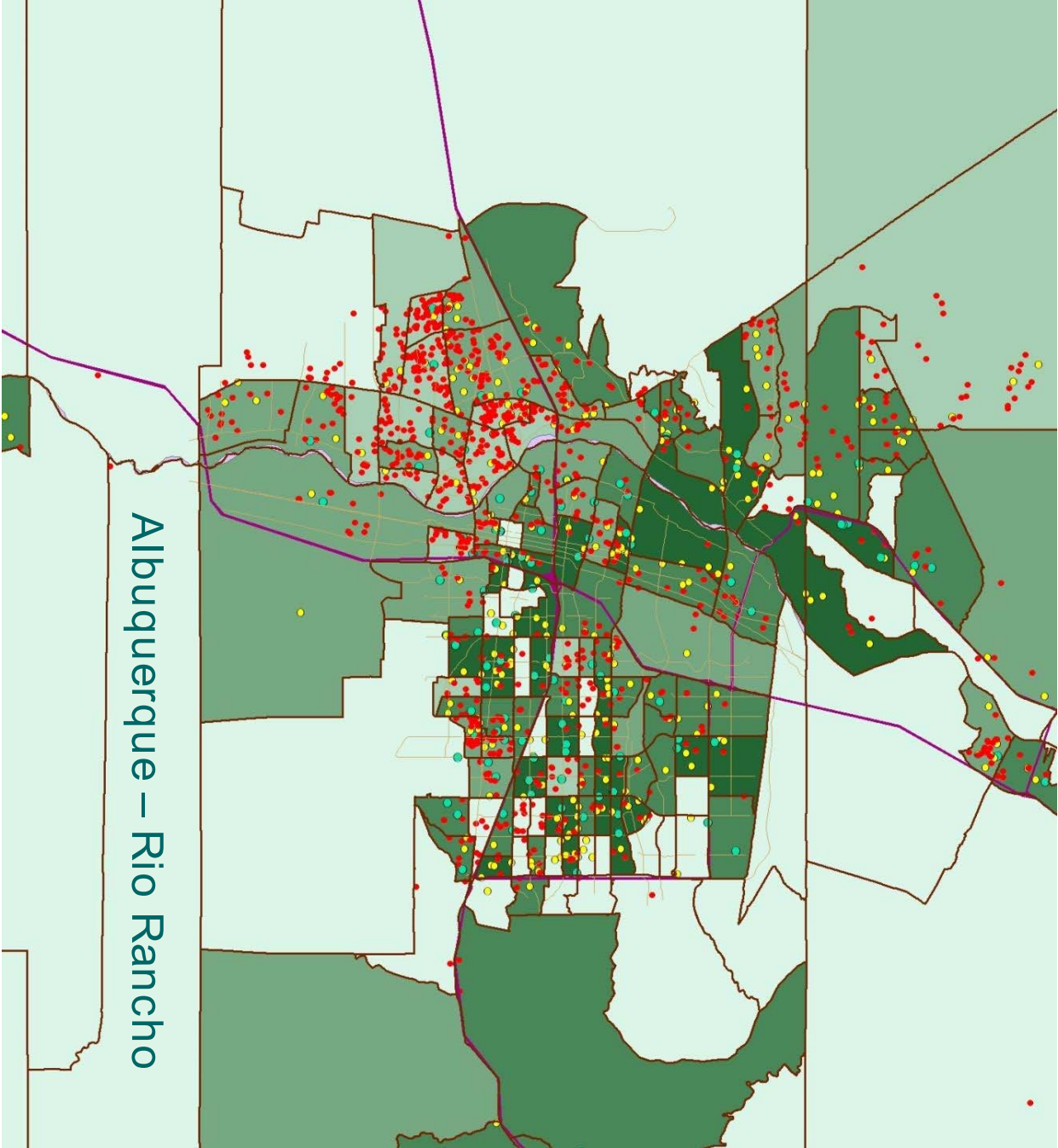
The number of licensed child care facilities compared to registered child care homes varies from 1-to-10 to 3-to-1 depending on the county. Three NM counties have no licensed facilities.



## What is the ratio of licensed to registered child care facilities – by census tract?

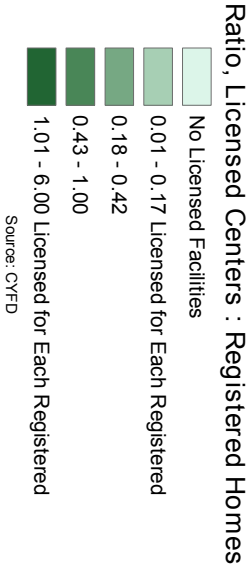


# Albuquerque - licensed vs. registered child care facilities



NEW MEXICO COMMUNITY DATA COLLABORATIVE  
Analysis contributed by: NMDOH-CYFD

- ### Child Care - Types of Facilities
- 4 & 5-Star Licensed Facilities
  - 1, 2 & 3-Star Licensed Facilities
  - Registered Home
- Source: CYFD

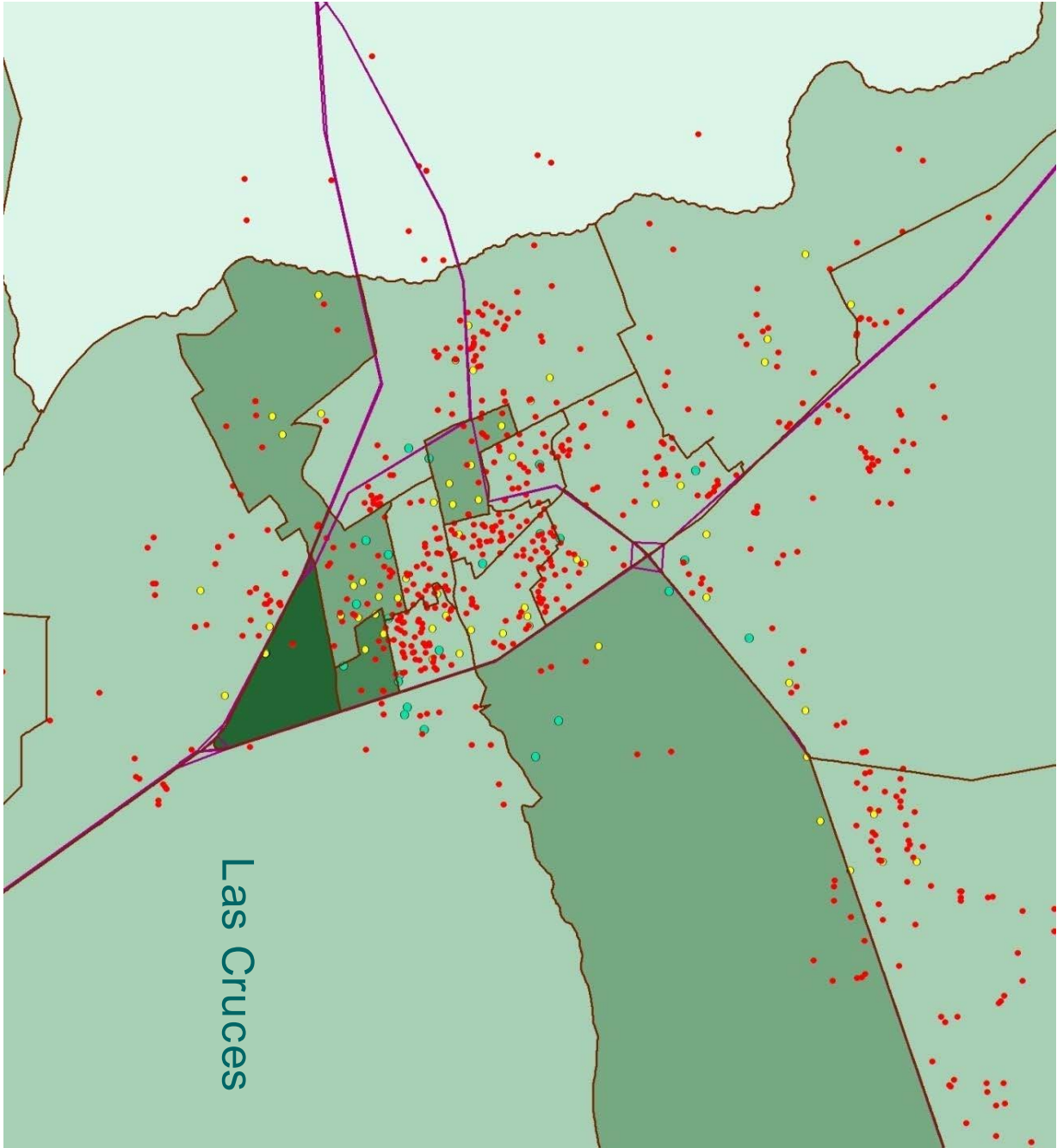


## NM CENSUS TRACTS & POINT LOCATIONS

Licensed Child Care Centers (and 4 & 5 Star Centers) tend to cluster in certain neighborhoods.

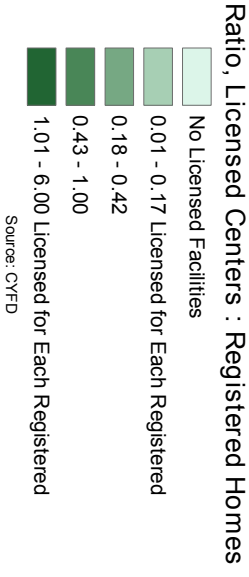


# Las Cruces - licensed vs. registered child care facilities



NEW MEXICO COMMUNITY DATA COLLABORATIVE  
Analysis contributed by: NMDOH-CYFD

- ### Child Care - Types of Facilities
- 4 & 5-Star Licensed Facilities
  - 1, 2 & 3-Star Licensed Facilities
  - Registered Home
- Source: CYFD



## NM CENSUS TRACTS & POINT LOCATIONS

Licensed Child Care Centers (and 4 & 5 Star Centers) tend to cluster in certain neighborhoods.

SERVICES-40