



 **Stratason**



Artesia General Hospital Community Health Needs Assessment (CHNA)

Eddy County, NM | June 2019



Demographics and Socioeconomics

Eddy County, NM CHNA

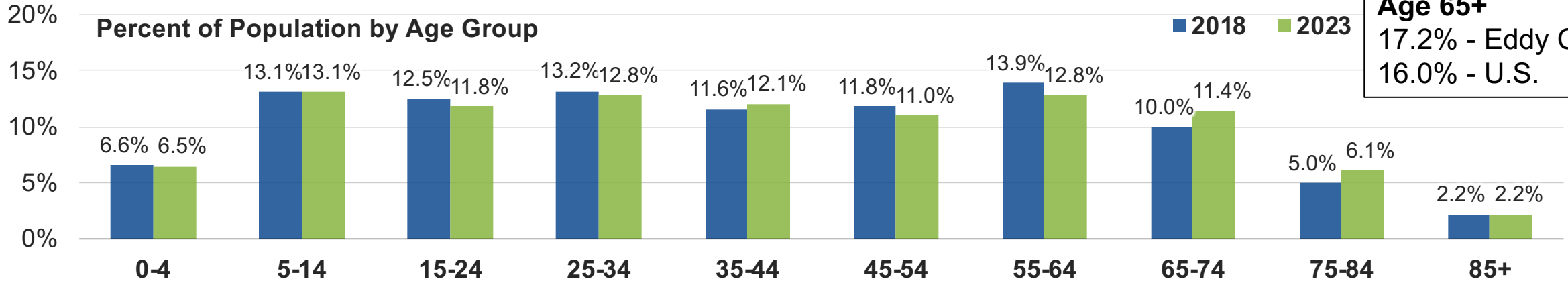
County Demographic Summary 2018



	Eddy County	New Mexico	USA
Population	59,220	2,147,526	330,088,686
Median Age	38.8	37.8	38.3
Median Household Income	\$51,108	\$47,457	\$58,100
Annual Pop. Growth (2018-2023)	0.90%	0.43%	0.83%
Household Population	22,475	819,008	124,110,001
Dominant Tapestry	Diners & Miners (10C)	Down the Road (10D)	Green Acres (6A)
Businesses	2,070	73,128	11,539,737
Employees	26,150	906,243	151,173,763
Medical Care Index*	92	83	100
Average Medical Expenditures	\$1,795	\$1,619	\$1,950
Total Medical Expenditures	\$40.3 M	\$1.3 B	\$242.0 B
Racial and Ethnic Make-up			
White	74%	66%	70%
Black	2%	2%	13%
American Indian	2%	10%	1%
Asian/Pacific Islander	1%	2%	6%
Other	18%	16%	7%
Mixed Race	4%	4%	3%
Hispanic Origin	50%	50%	18%

*The Medical Care Index is household-based, and represents the amount spent out of pocket for medical services relative to a national index of 100.

Eddy County Demographics 2018



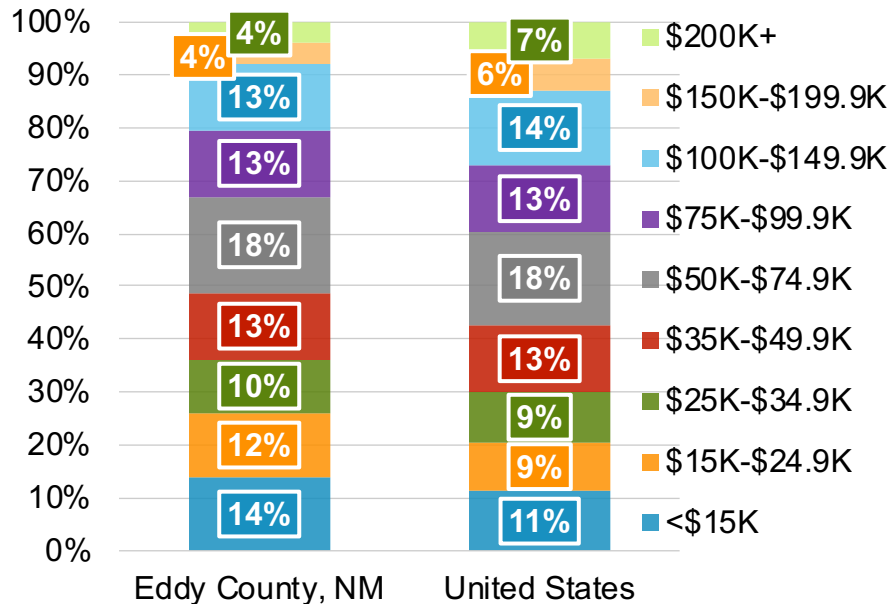
Age 65+
 17.2% - Eddy Co
 16.0% - U.S.

Median Household Income (2018)

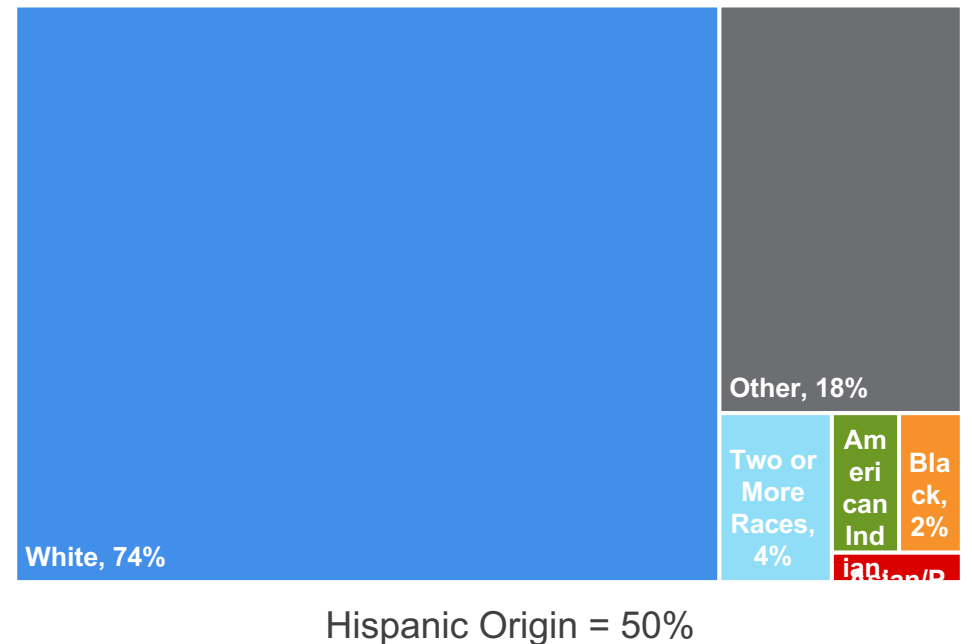
20%
Higher incomes

54%
Middle incomes

26%
Lower incomes

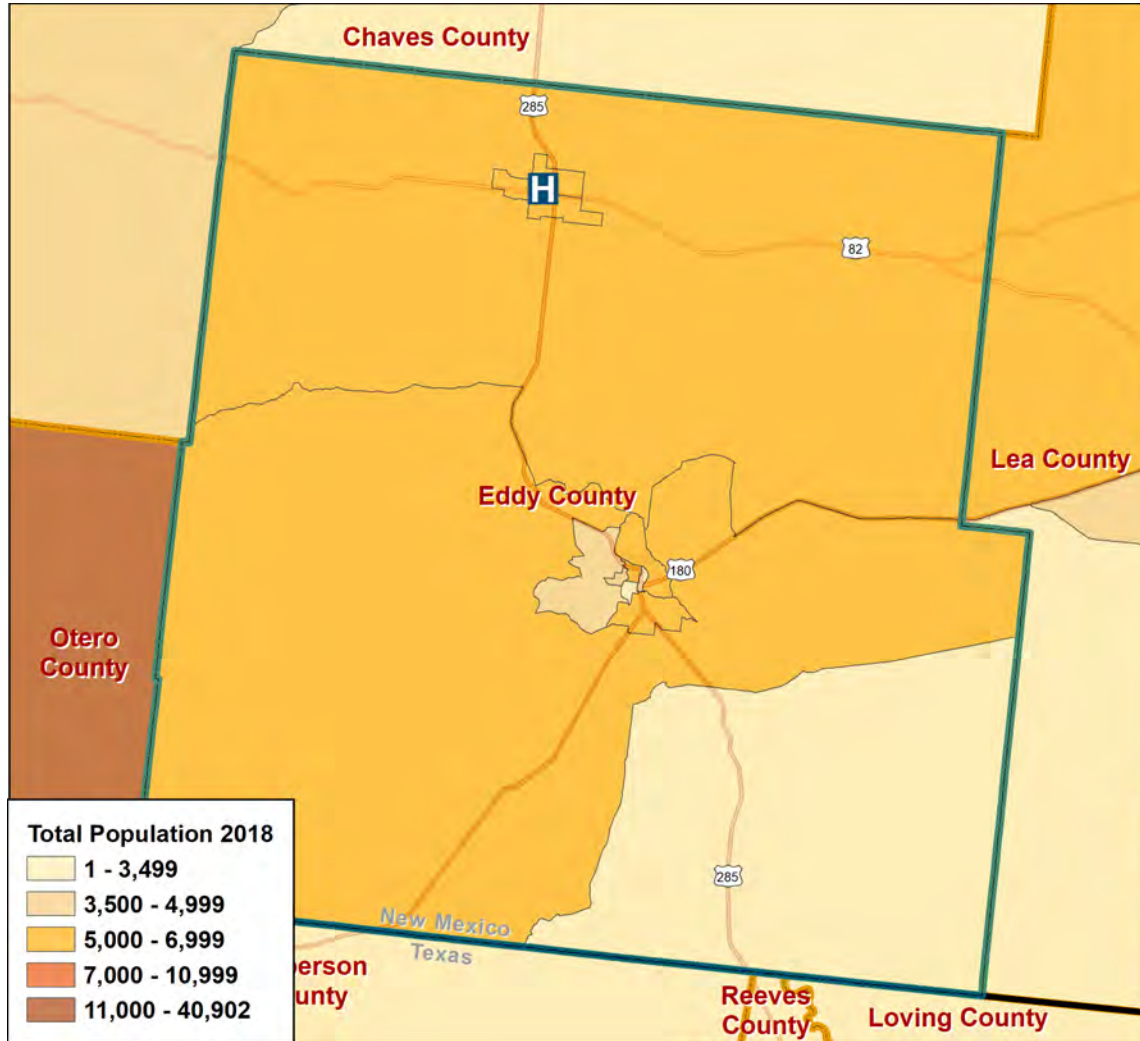


Race and Ethnicity (2018)

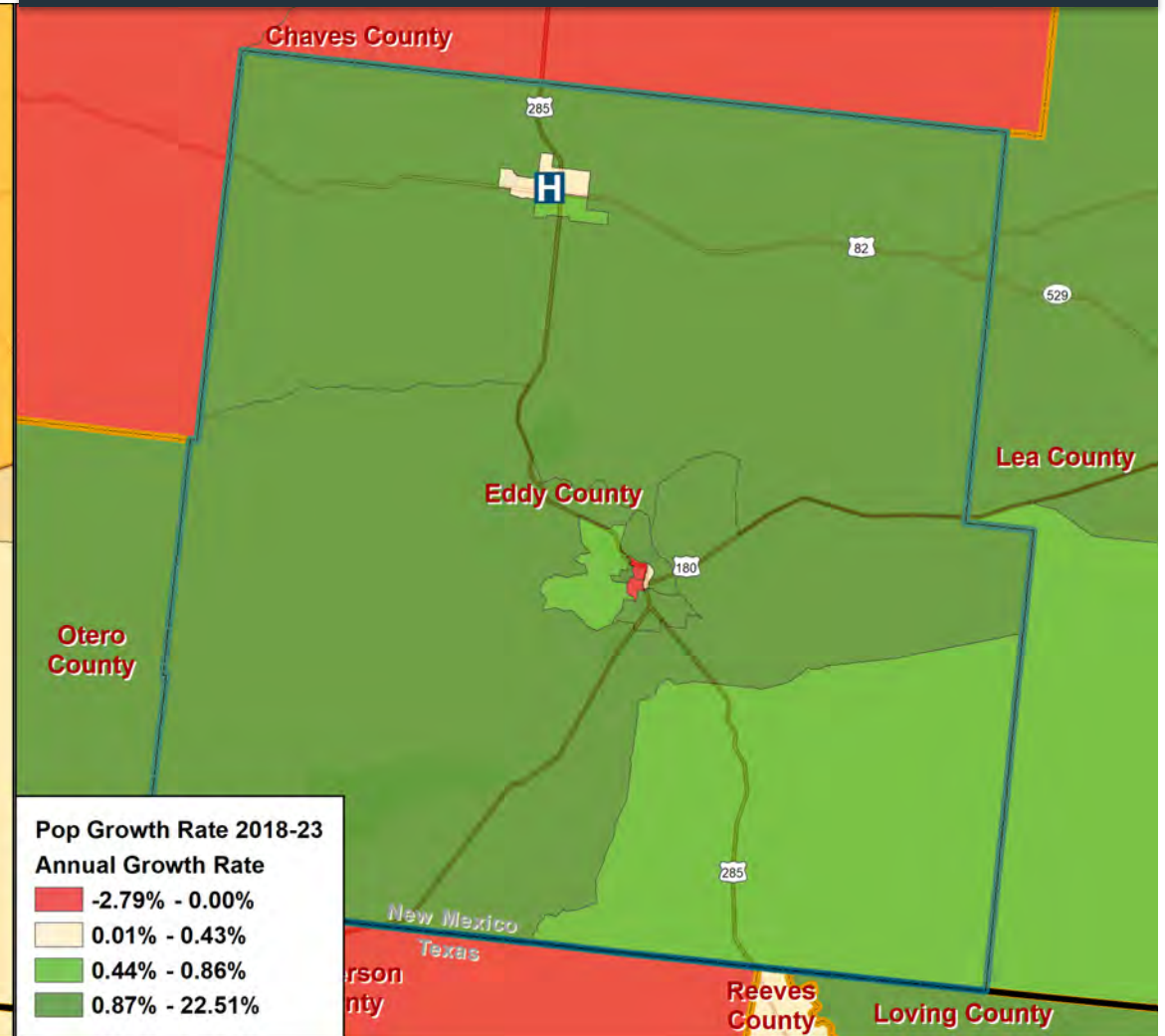


Population by Census Tract

Population Change

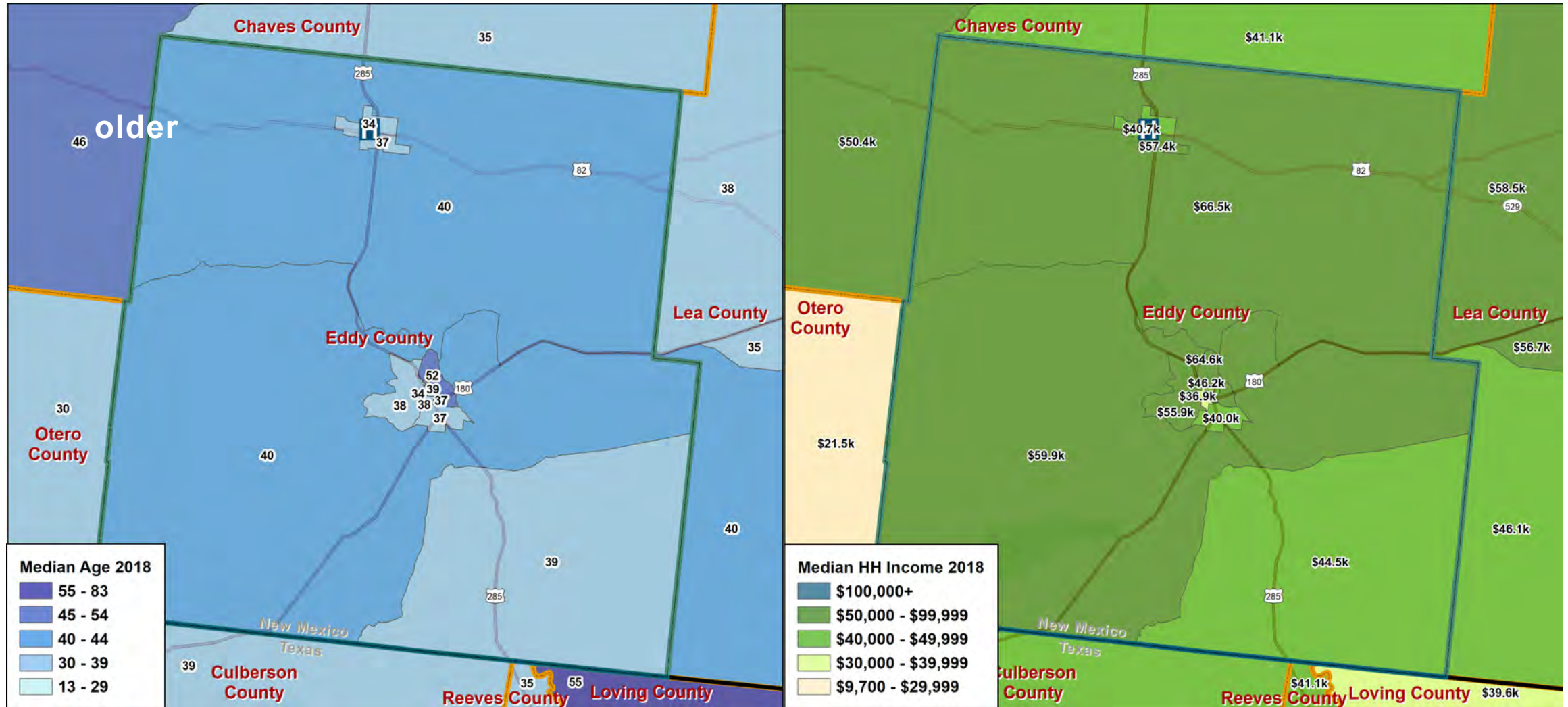


Yellow is positive up to the NM growth rate
 Green is greater than the NM growth rate
 Dark green is twice the NM growth rate

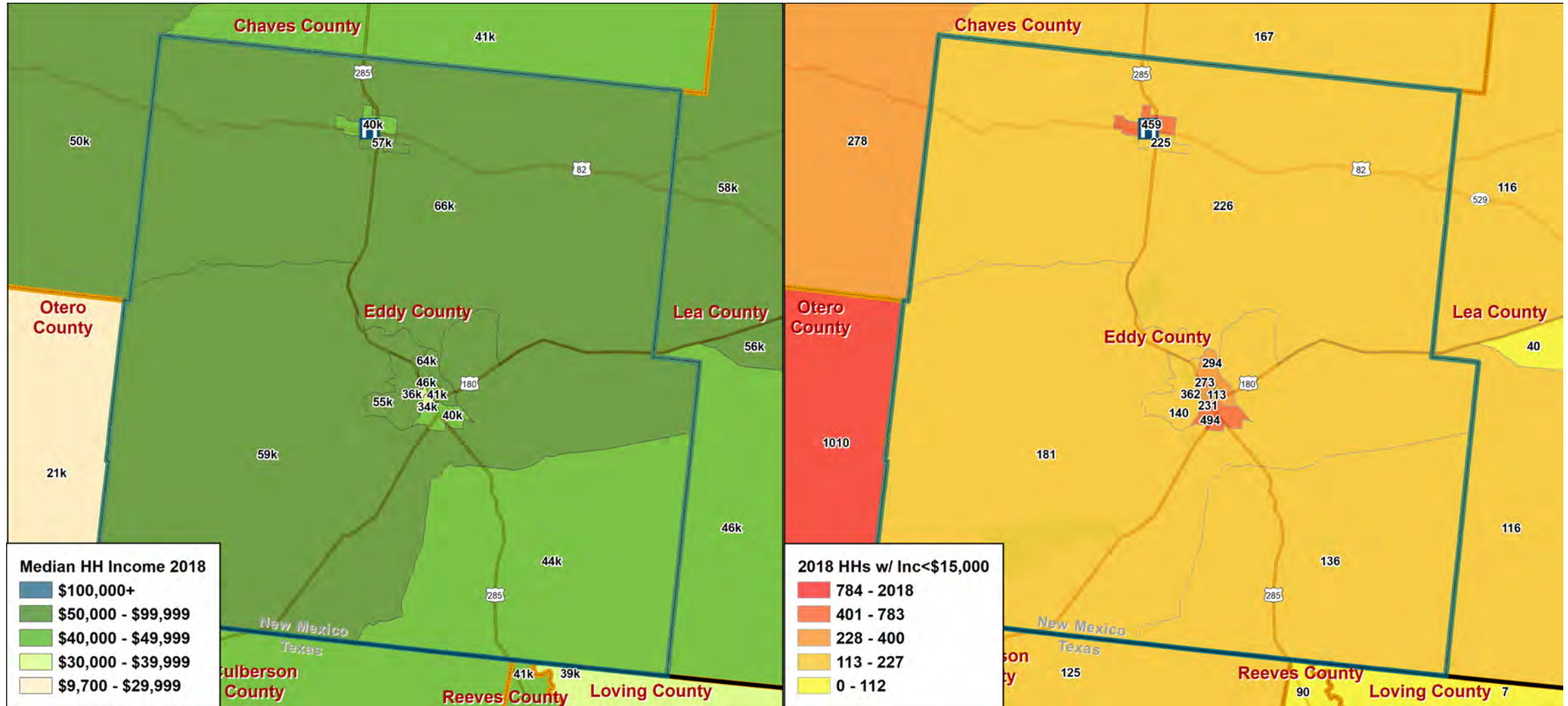


Median Age

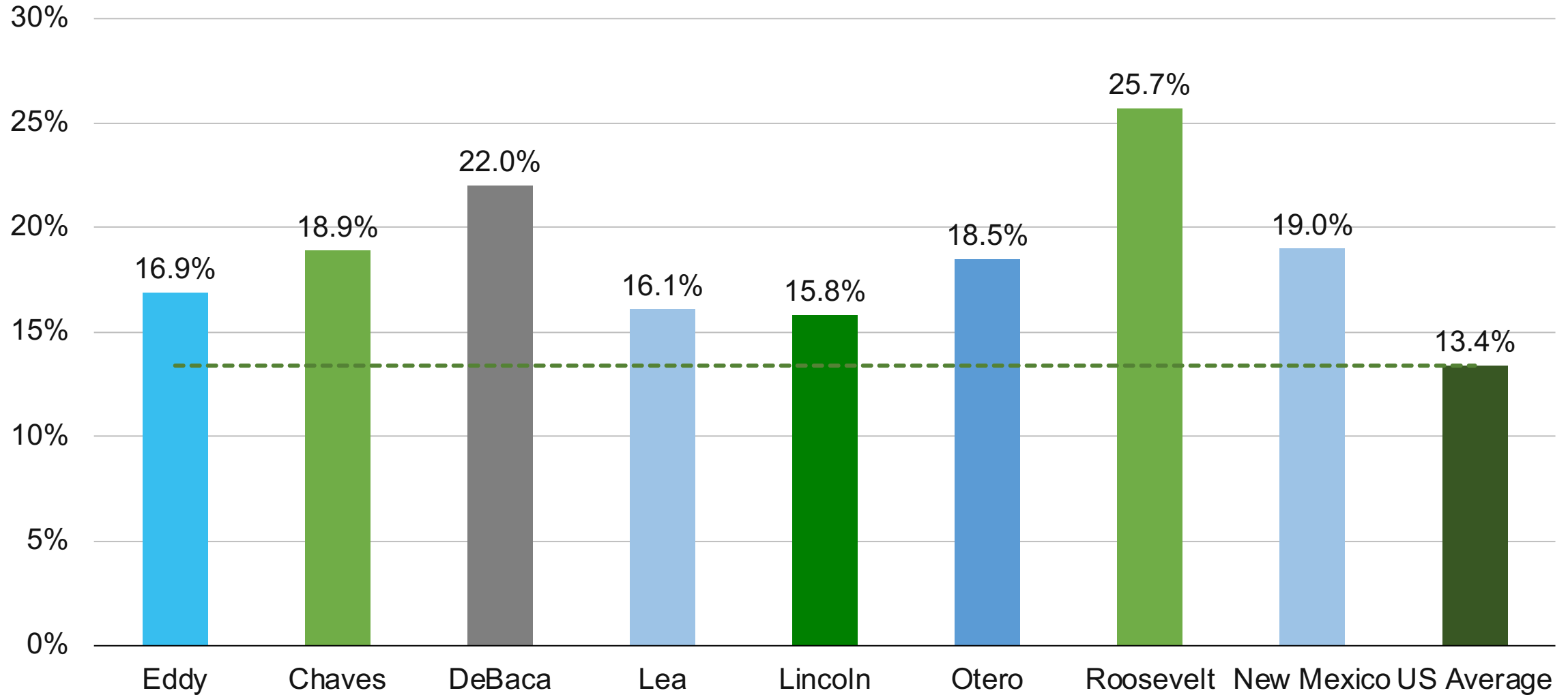
Median Income



Incomes listed on map represent thousands.



Poverty Estimates 2017 for Contiguous NM Counties, NM State, and US





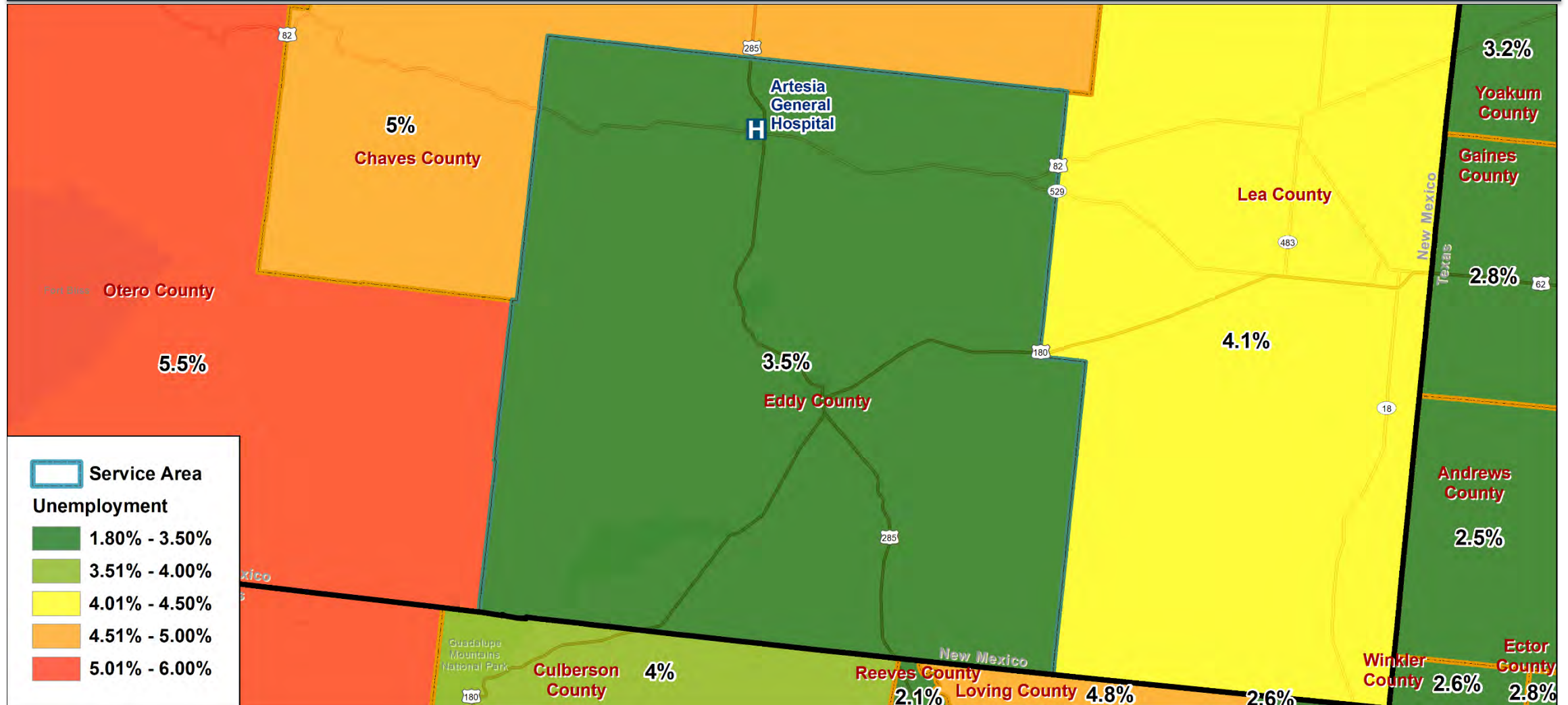
Business & Industry Environment

Eddy County, NM CHNA

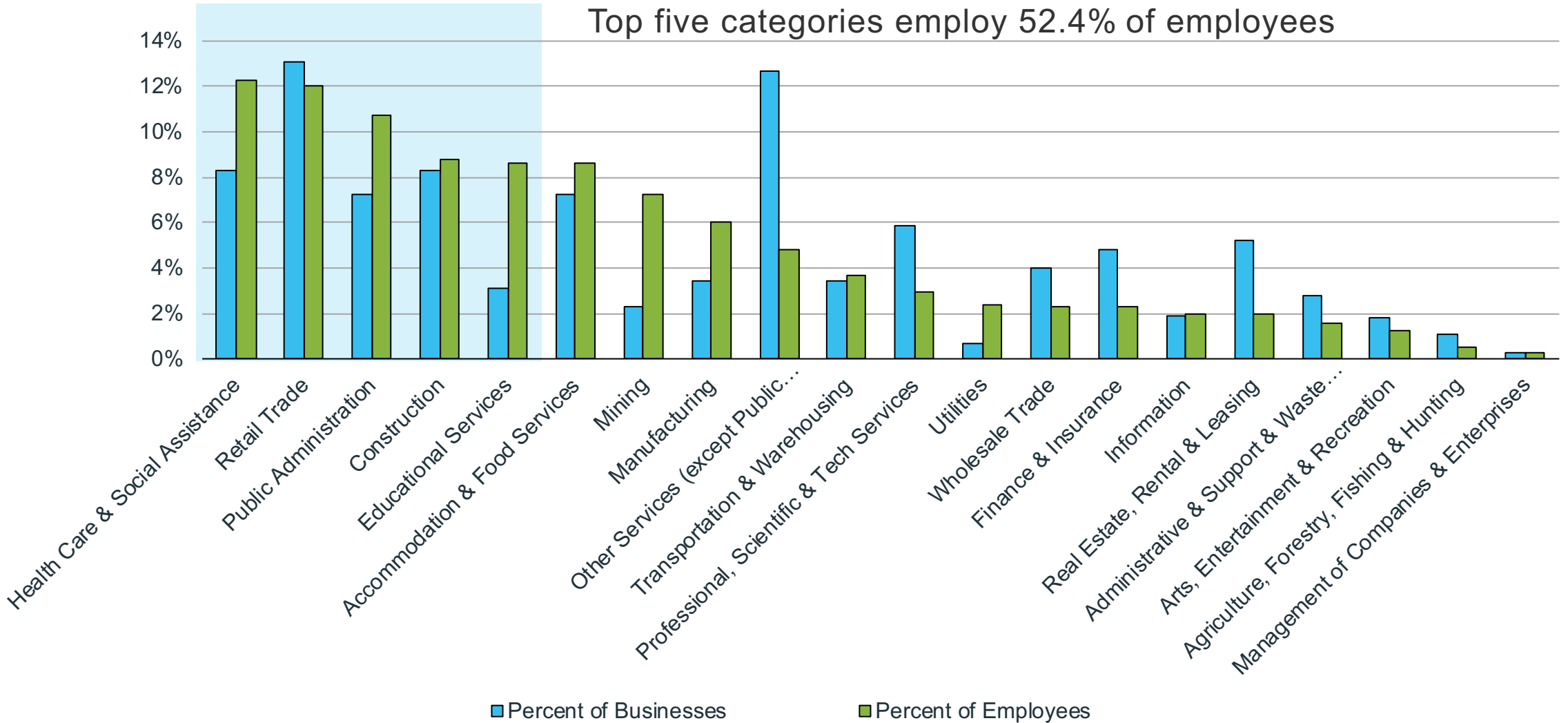
Unemployment by County



(2019 January Preliminary): Eddy County: 3.5% | New Mexico: 5.1% | U.S.: 3.8%

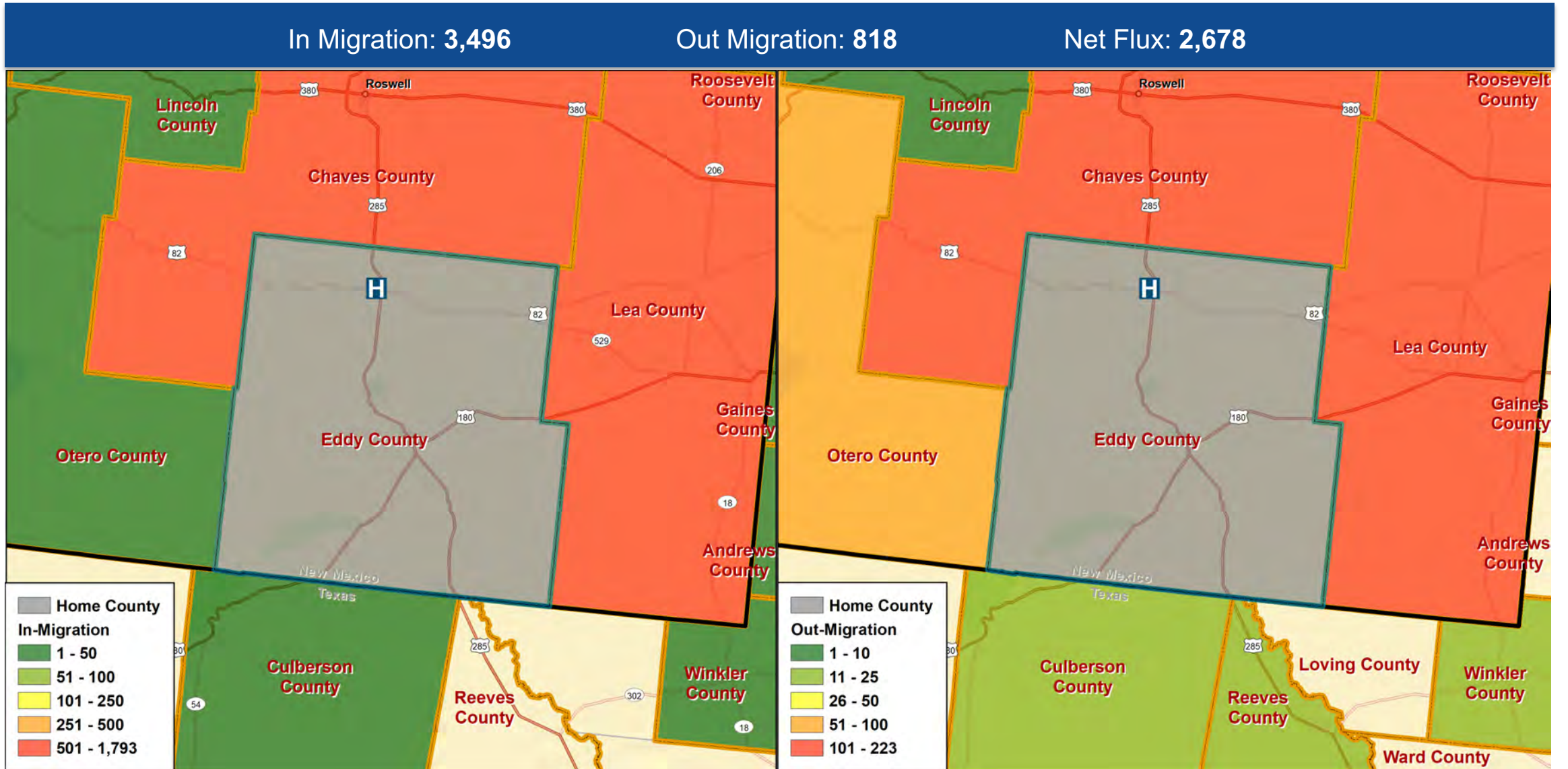


Eddy County Business Environment 2018



Eddy County Commuter In-migration

Eddy County Commuter Out-migration





Psychographics

Eddy County, NM CHNA

Tapestry Profile



Neighborhood classification based on purchasing and lifestyle behaviors

14 LifeModes 67 Tapestry Segments

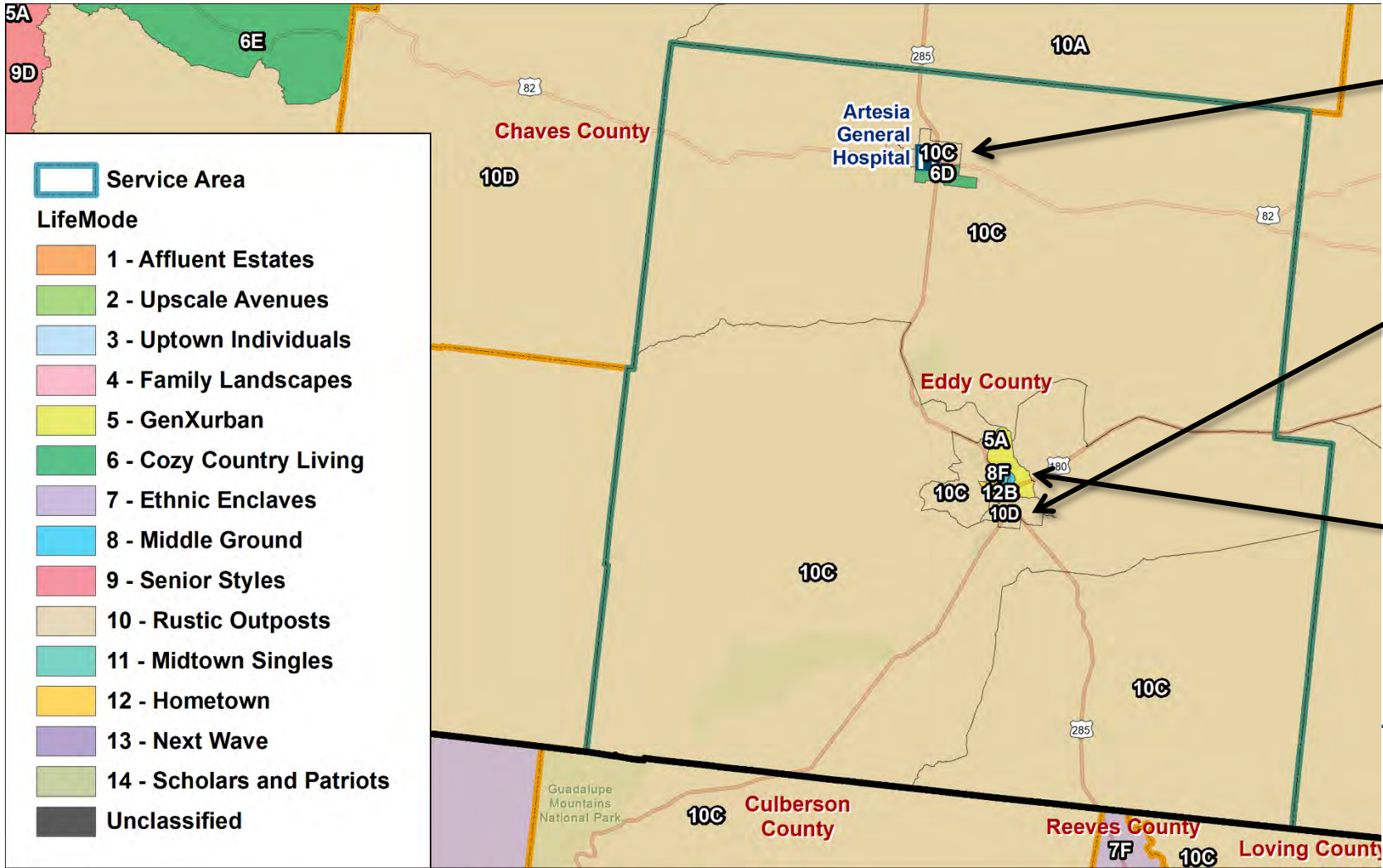
L0 LifeMode Group	L1 Affluent Estates	L2 Upscale Avenues	L3 Uptown Individuals	L4 Family Landscapes
0A Name Tapestry Segment Number EXAMPLE	1A Top Tier 1B Professional Pride 1C Boomburbs 1D Savvy Suburbanites 1E Exurbanites	2A Urban Chic 2B Pleasantville 2C Pacific Heights 2D Enterprising Individuals	3A Laptops & Lattes 3B Metro Renters 3C Trendsetters	4A Soccer Moms 4B Home Improvement 4C Middleburg
L5 Gen X Urban	L6 Cozy Country Living	L7 Ethnic Enclaves	L8 Middle Ground	L9 Senior Styles
5A Comfortable Empty Nesters 5B In Style 5C Parks & Rec 5D Rustbelt Tradition 5E Midlife Constants	6A Green Acres 6B Salt of the Earth 6C The Great Outdoors 6D Prairie Living 6E Rural Resort Dwellers 6F Heartland Communities	7A Up & Coming Families 7B Urban Villages 7C American Dreamers 7D Barrios Urbanos 7E Valley Growers 7F Southwestern Families	8A City Lights 8B Emerald City 8C Bright Young Professionals 8D Downtown Melting Pot 8E Front Porches 8F Old & Newcomers 8G Hardscrabble Road	9A Silver & Gold 9B Golden Years 9C The Elders 9D Senior Escapes 9E Retirement Communities 9F Social Security Set
L10 Rustic Outposts	L11 Midtown Singles	L12 Hometown	L13 Next Wave	L14 Scholars & Patriots
10A Southern Satellites 10B Rooted Rural 10C Diners & Miners 10D Down the Road 10E Rural Bypasses	11A City Strivers 11B Young & Restless 11C Metro Fusion 11D Set to Impress 11E City Commons	12A Family Foundations 12B Traditional Living 12C Small Town Simplicity 12D Modest Income Homes	13A International Marketplace 13B Las Casas 13C NeWest Residents 13D Fresh Ambitions 13E High Rise Renters	14A Military Proximity 14B College Towns 14C Dorms to Diplomas

[Click here for more information on Tapestry Segments](#)

Dominant Tapestry Segmentation by Census Tract



Top three categories represent 39.3% of total households.



Top 3 Tapestry Segments

10C | Diners & Miners (24%)

- 41.3 med. age
- \$42k med. HH income
- TV is the main source of information
- Strong religious beliefs
- Most residents did not go to college

10D | Down the Road (9%)

- 35.0 med. age
- \$39k med. HH income
- Family oriented, outgoing consumers
- Put a premium on convenience
- Participate in fishing and hunting

8F | Old and Newcomers (7%)

- 39.4 med. age
- \$45k med. HH income
- Price aware but open to impulse buys
- Attentive to environmental concerns
- Strong sense of community

6D | Prairie Living (3%)

- 44.4 med. age
- \$54k med. HH income
- Many have gardens
- Participate in hunting, boating, camping
- Residents have satellite dishes

Dominant Tapestry Segmentation of Eddy County, NM

[Click here for more information on Tapestry Segments](#)

Eddy County Medical Expenditures Index



		Amount Spent	
		Average	Total
Health Care	91	\$5,193	\$116.7 M
Medical Care	92	\$1,795	\$40.3 M
Physician Services	89	\$224	\$5.0 M
Dental Services	83	\$312	\$7.0 M
Eyecare Services	91	\$56	\$1.3 M
Lab Tests, X-Rays	96	\$57	\$1.3 M
Hospital Room and Hospital Services	93	\$159	\$3.6 M
Convalescent or Nursing Home Care	130	\$41	\$0.9 M
Other Medical services	83	\$97	\$2.2 M
Nonprescription Drugs	93	\$124	\$2.8 M
Prescription Drugs	98	\$355	\$8.0 M
Nonprescription Vitamins	95	\$68	\$1.5 M
Medicare Prescription Drug Premium	104	\$134	\$3.0 M
Eyeglasses and Contact Lenses	88	\$82	\$1.8 M
Hearing Aids	97	\$28	\$0.6 M
Medical Equipment for General Use	72	\$4	\$0.1 M
Other Medical Supplies	89	\$54	\$1.2 M
Health Insurance	90	\$3,398	\$76.4 M
Blue Cross/Blue Shield	91	\$1,156	\$26.0 M
Commercial Health Insurance	85	\$630	\$14.2 M
Health Maintenance Organization	79	\$637	\$14.3 M
Medicare Payments	103	\$634	\$14.2 M
Long Term Care Insurance	89	\$94	\$2.1 M
Other Health Insurance	102	\$248	\$5.6 M

Note: United States Index is 100



Eddy County Community Survey

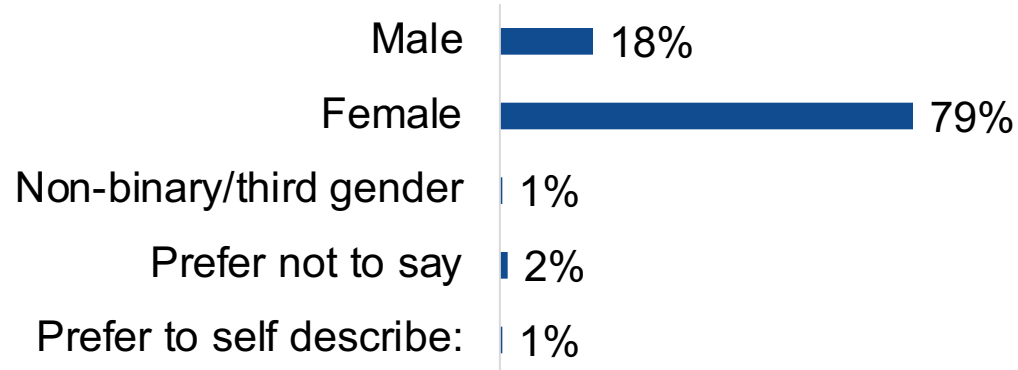
Eddy County, NM CHNA

- Stratason and Artesia General Hospital conducted online community surveys via SurveyMonkey for Eddy County, NM
- 190 surveys were completed
- The surveys were conducted from May 9, 2019 – June 14th, 2019

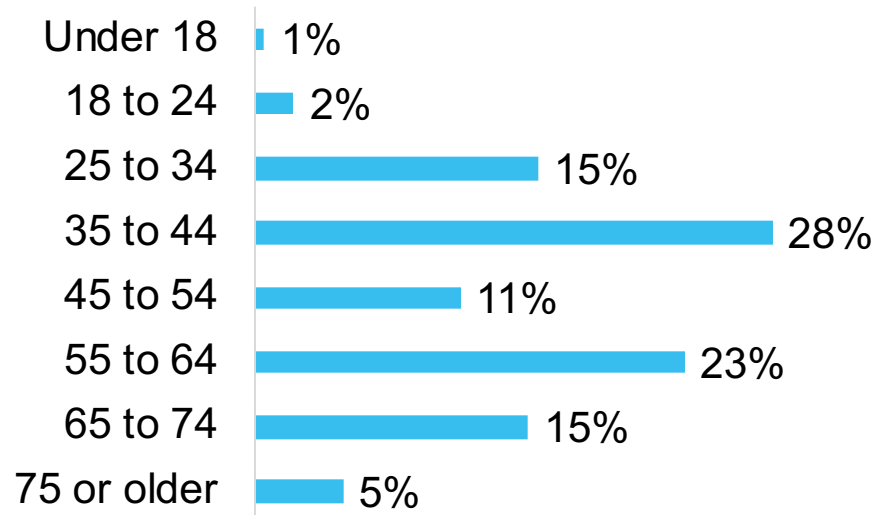
Community Survey Demographics



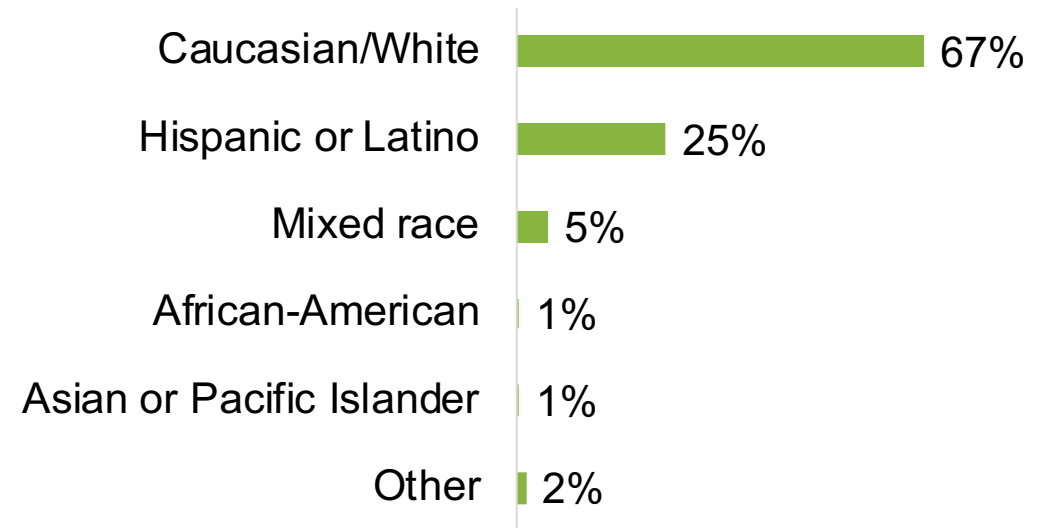
Gender



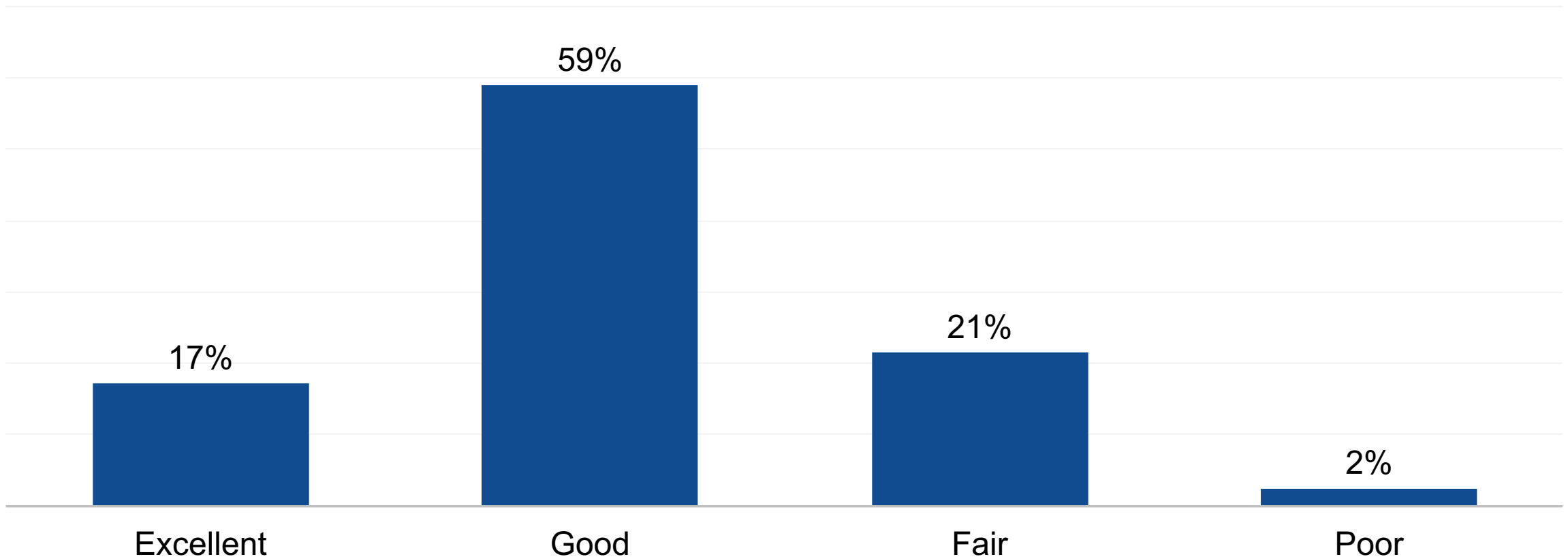
Age



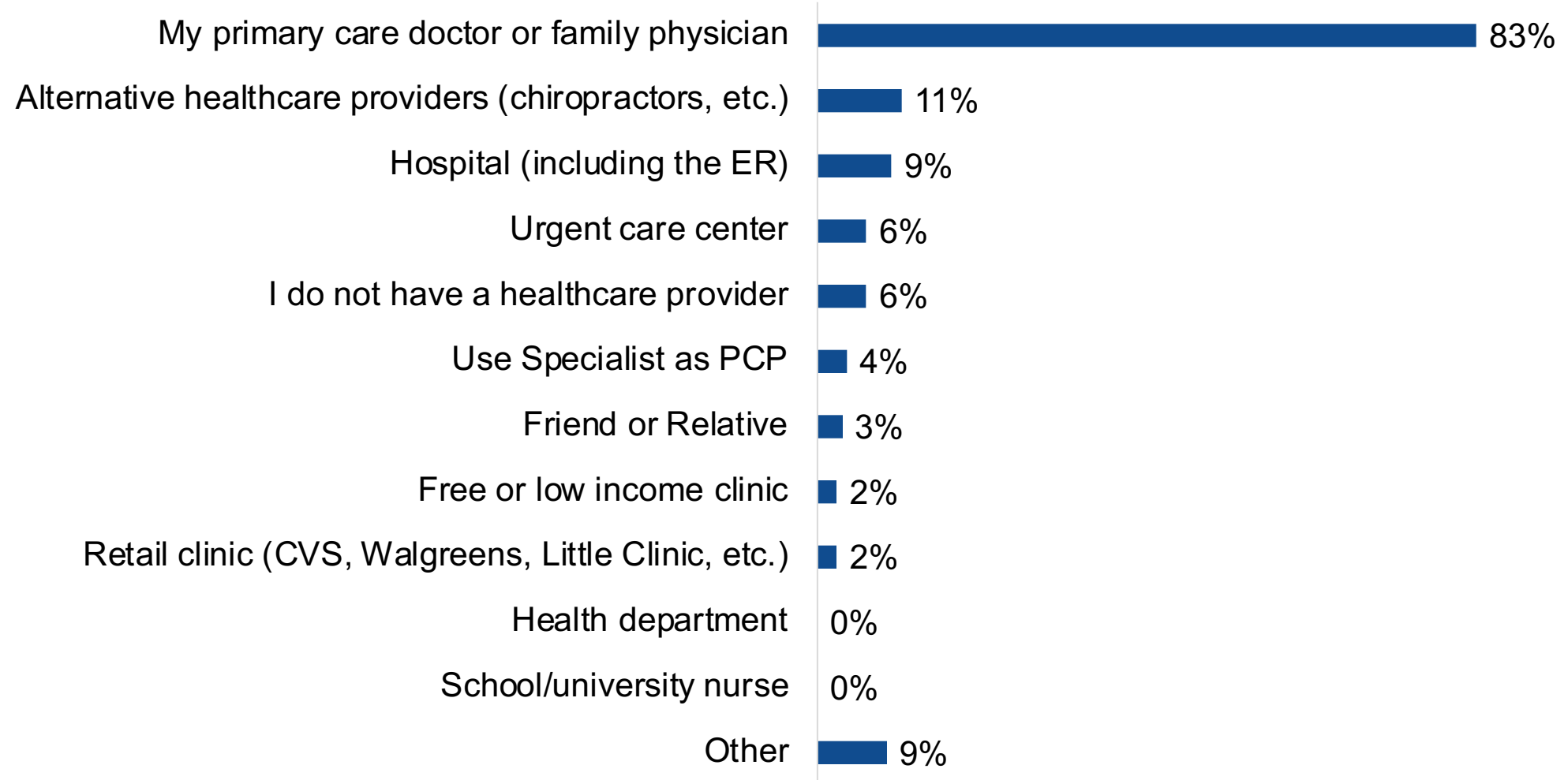
Race or ethnic background



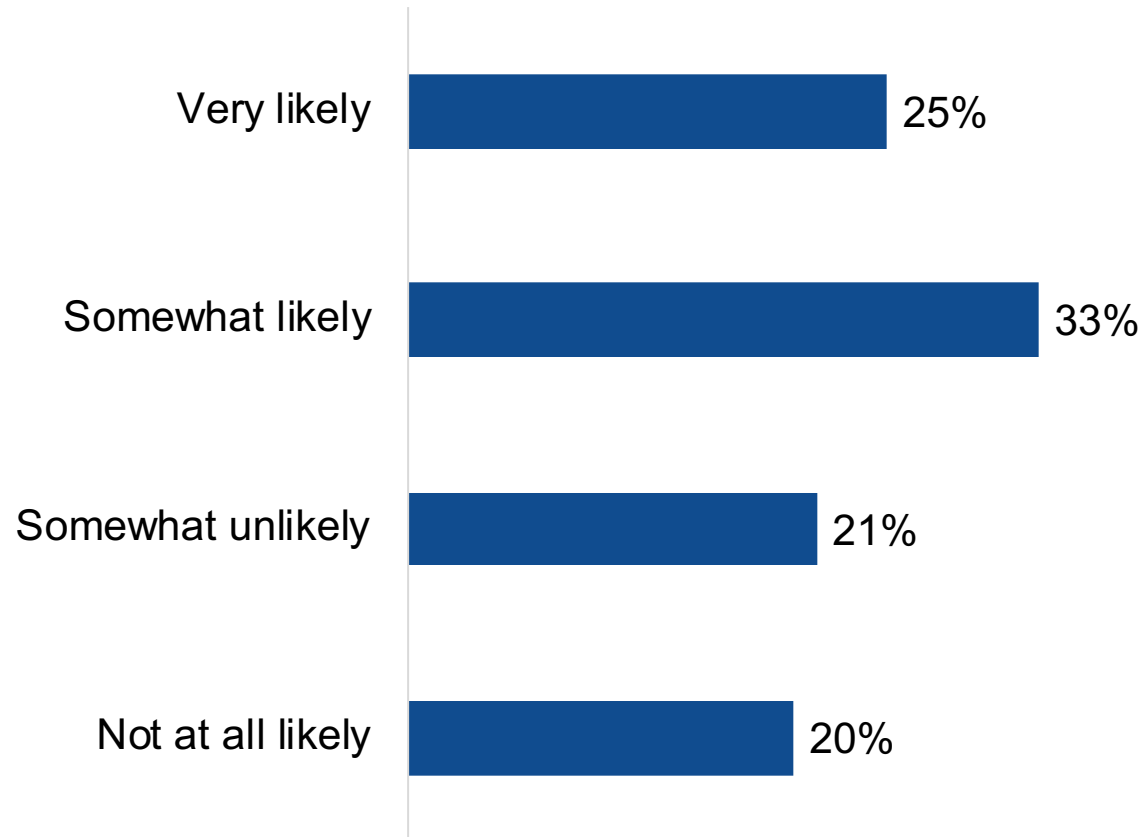
Generally, how would you describe your health?



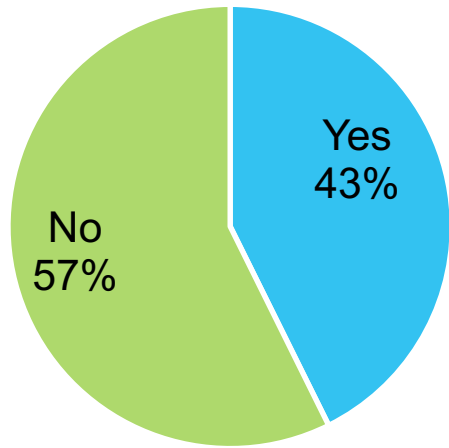
If you have one person or group you turn to for basic healthcare needs, where do you go most often?



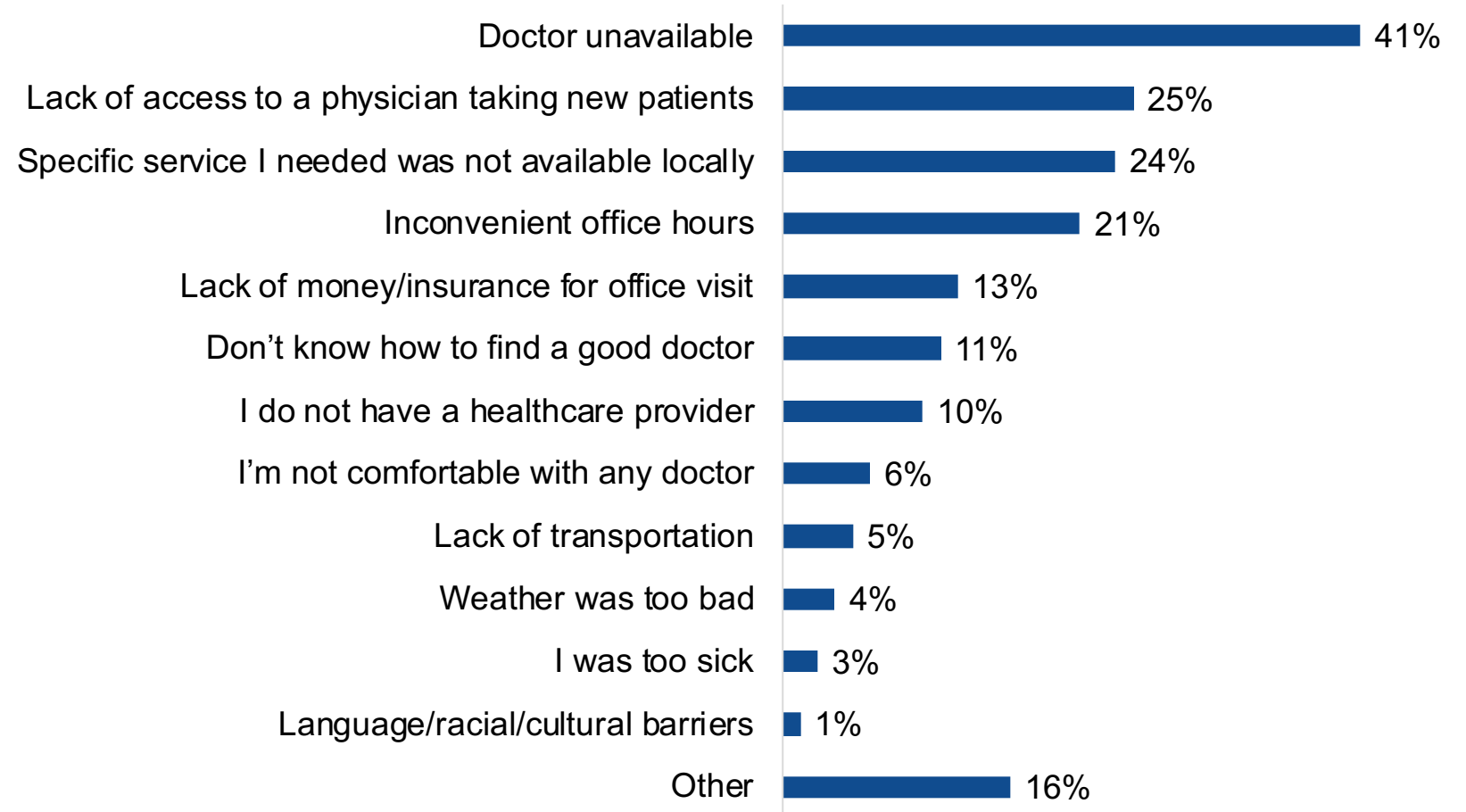
How likely are you to utilize virtual physician care such as through the computer or your smart phone?



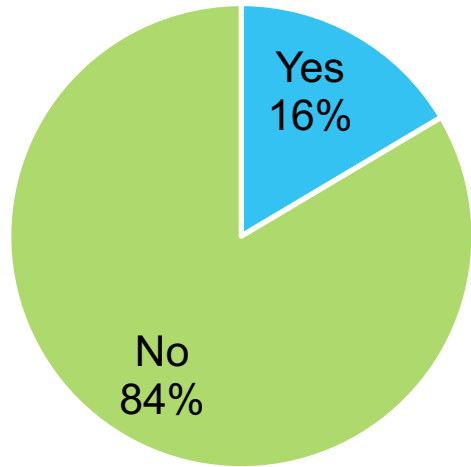
Was there a time in the past 12 months when you needed to see a doctor but could not?



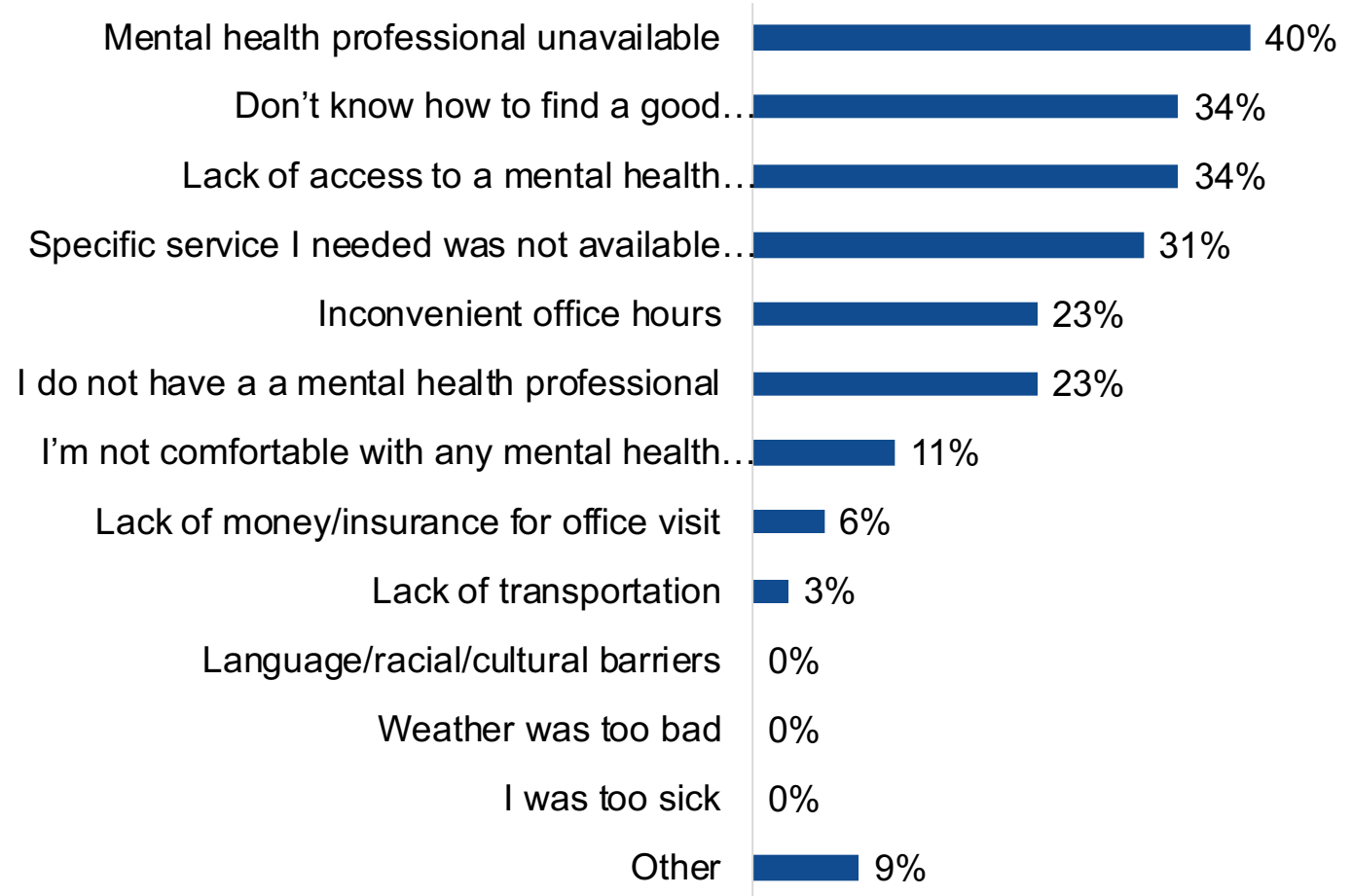
What are some of the reasons why you could not?



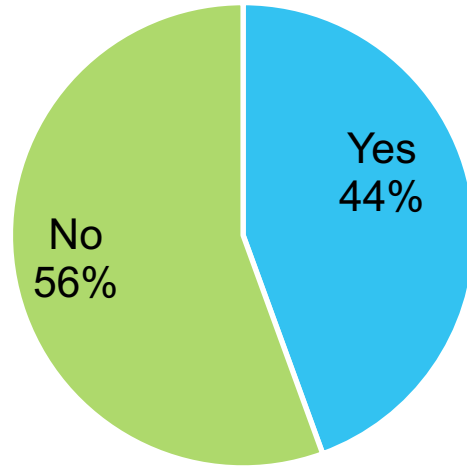
Was there a time in the past 12 months when you needed to see a mental health professional but could not?



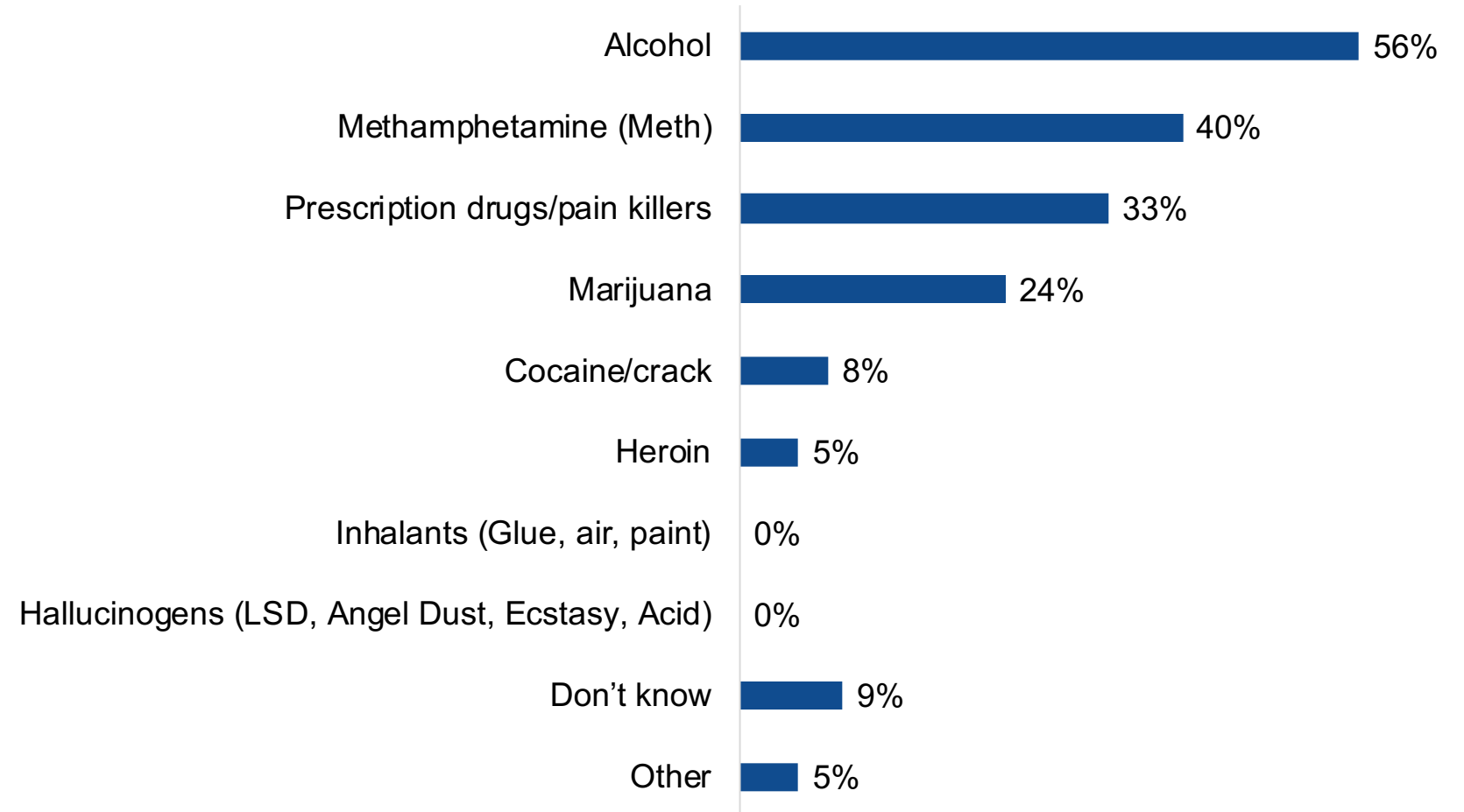
What are some of the reasons why you could not?



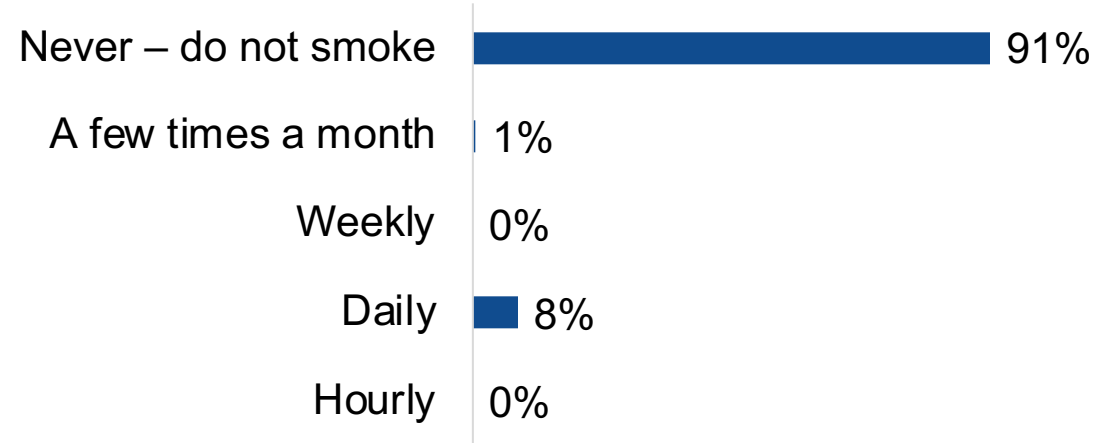
Have you, a relative, or close friend experienced substance abuse or addiction?



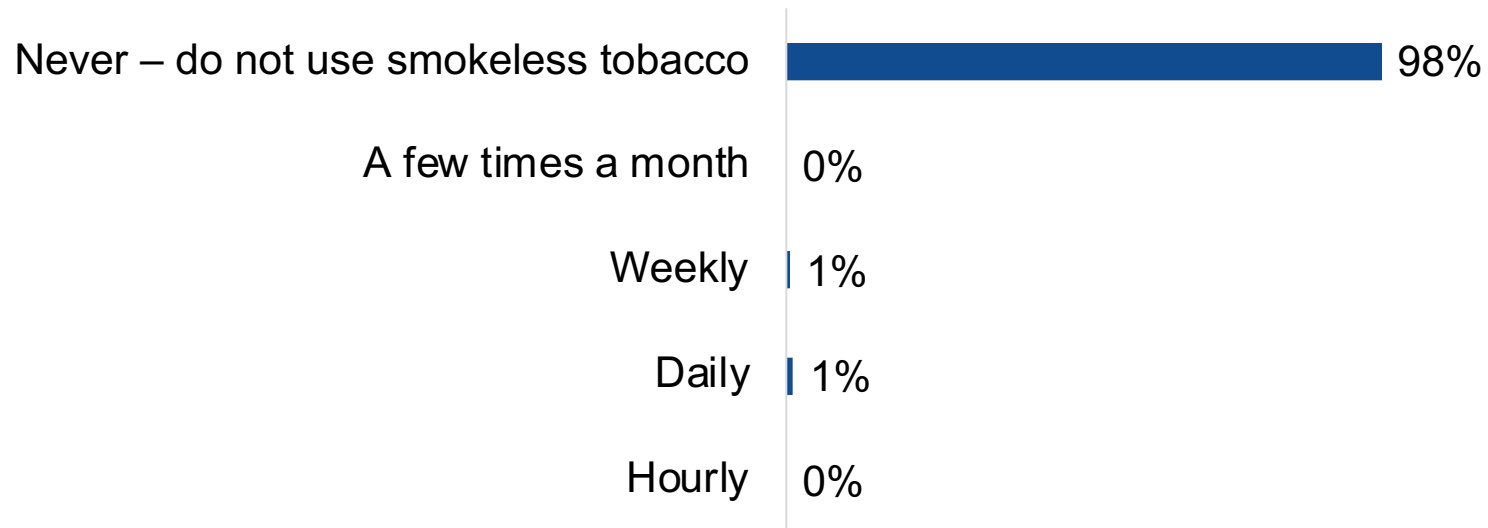
What substance was involved?



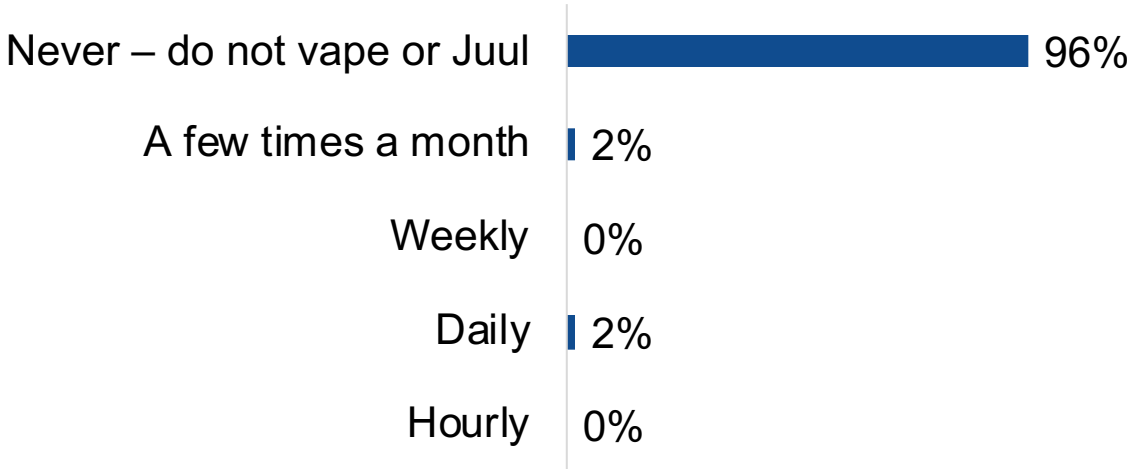
How often do you smoke, if you do?



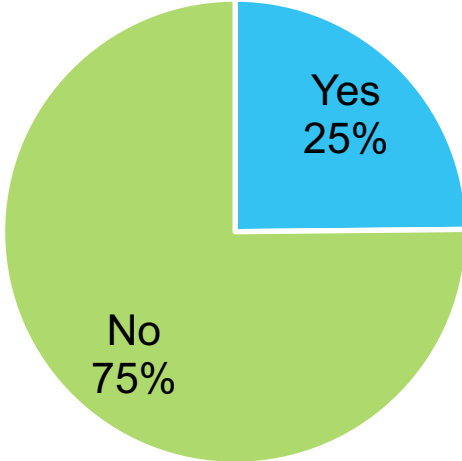
How often do you use smokeless tobacco, if you do?



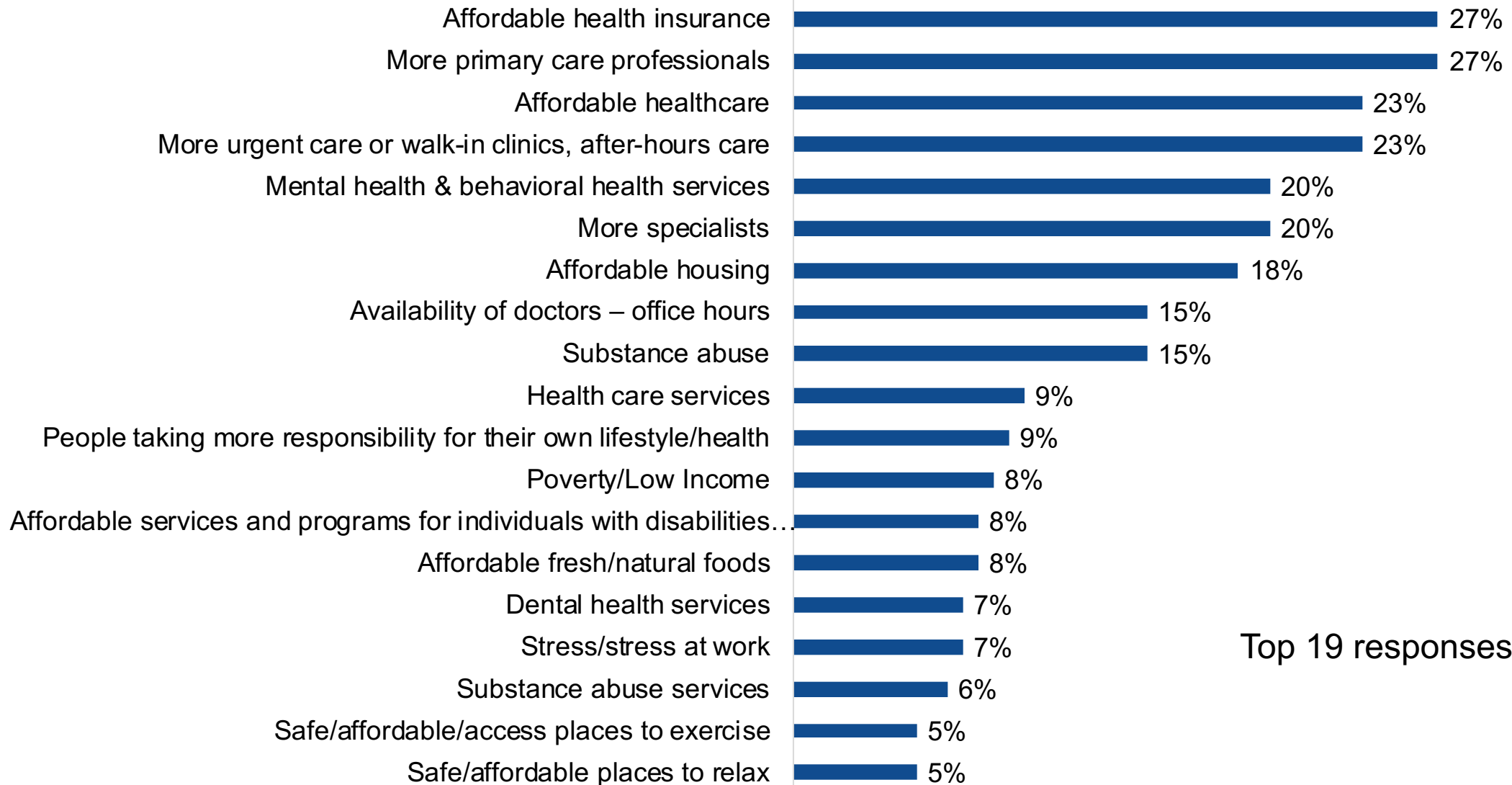
How often do you use e-cigarettes or vape, if you do?



Was there a time in the past 12 months when you needed medications but could not obtain them?

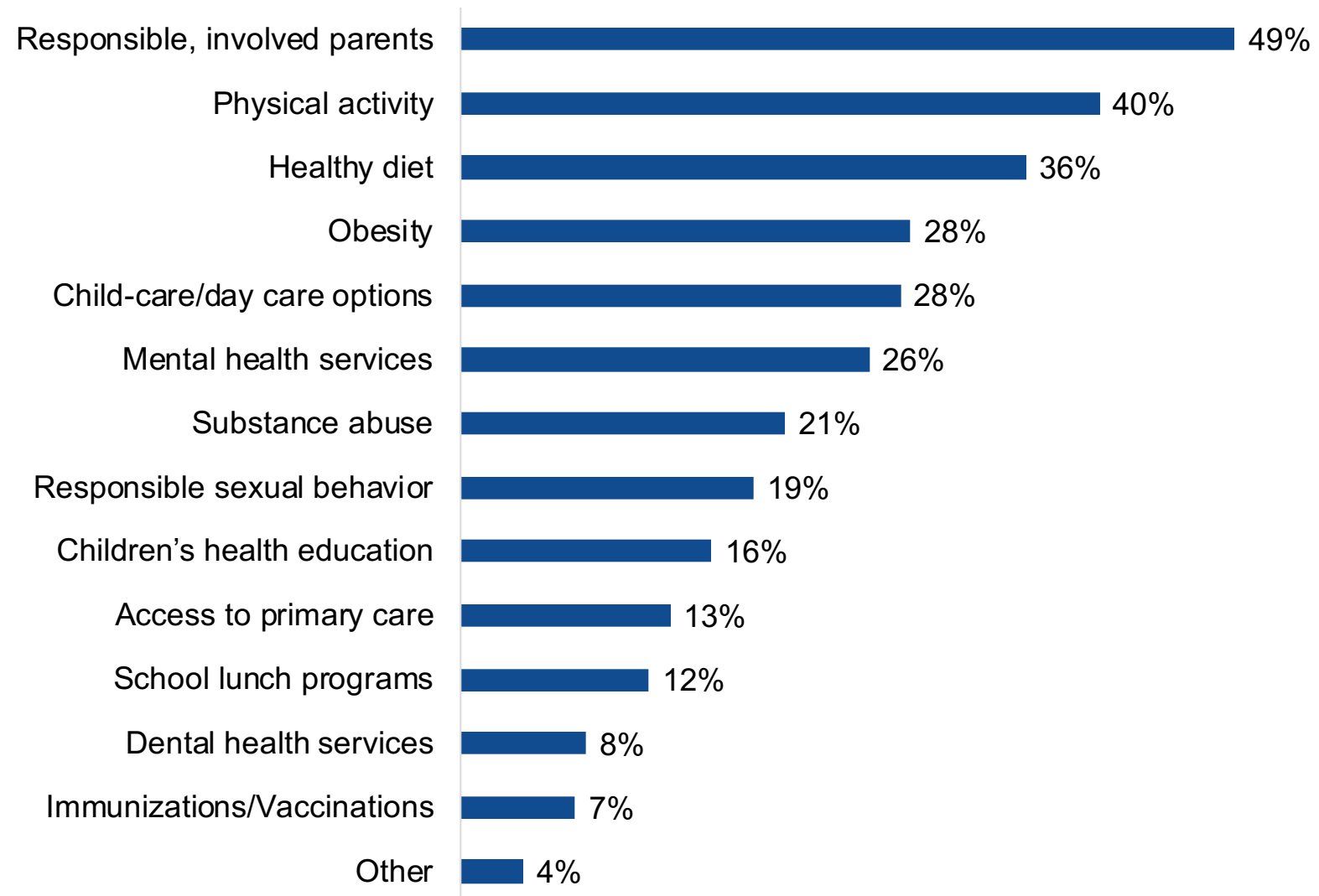


What are the top 3 issues in your community that impact people's health?

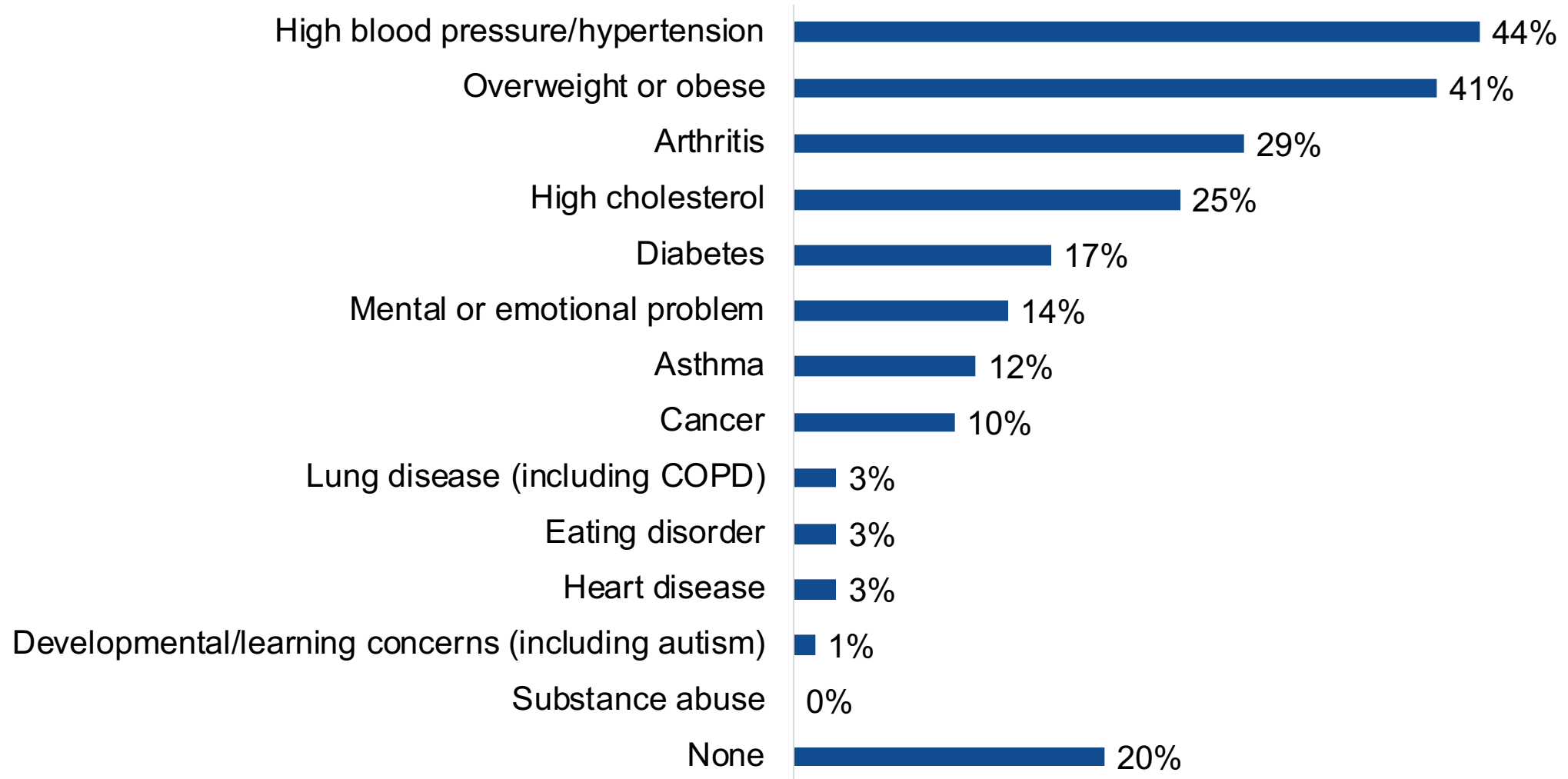


Top 19 responses shown

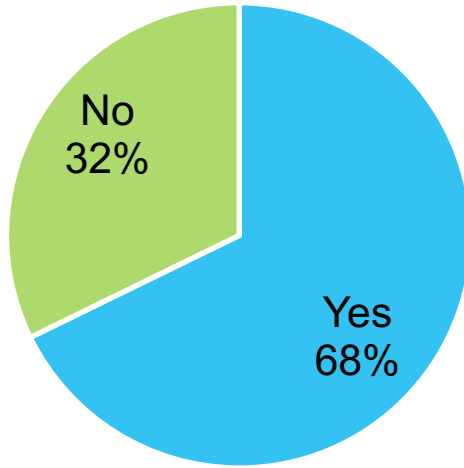
In your opinion, what are the top 3 health concerns for children in your community?



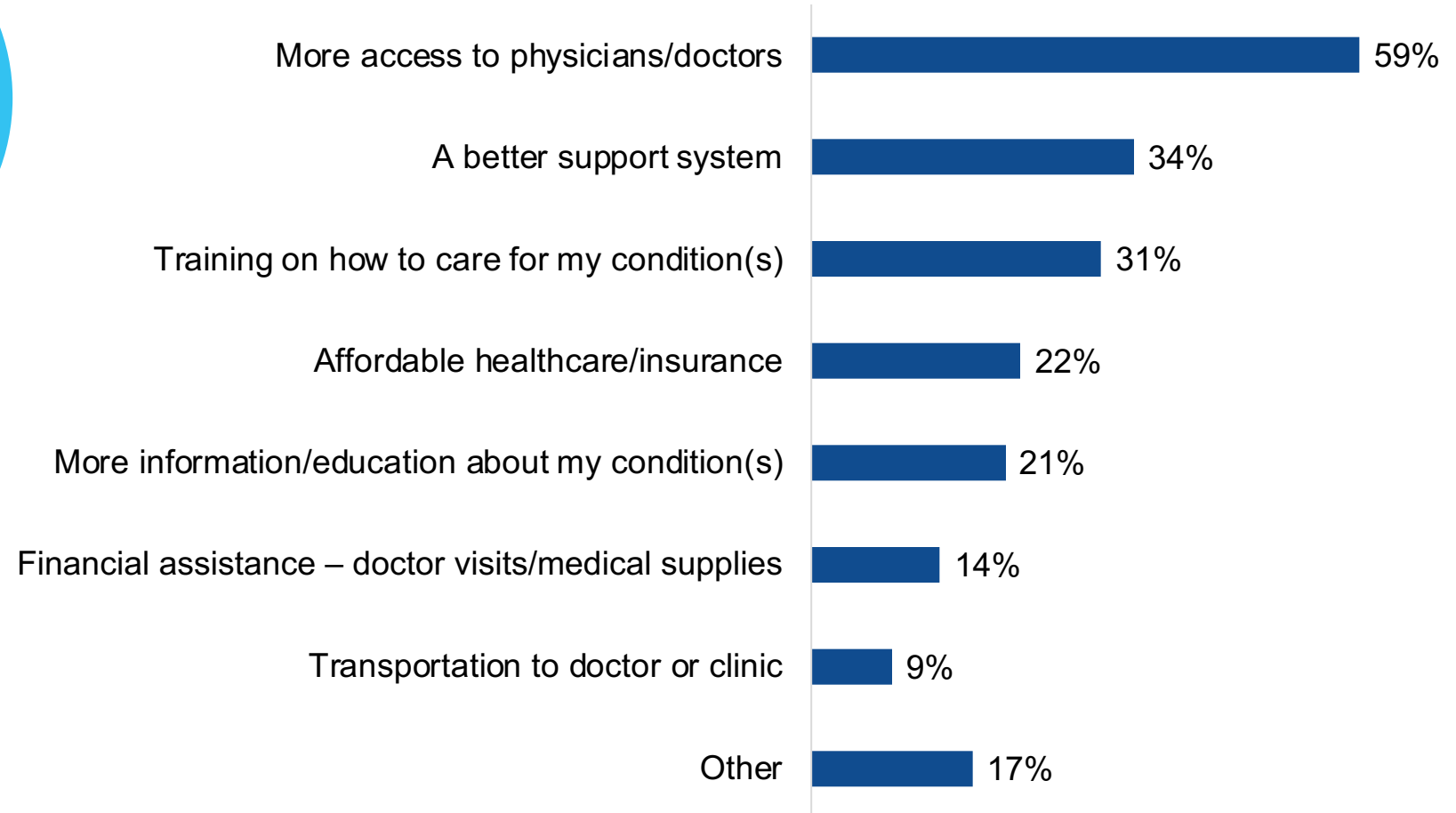
Have you ever been told by a doctor you have any of these conditions, diseases or challenges?



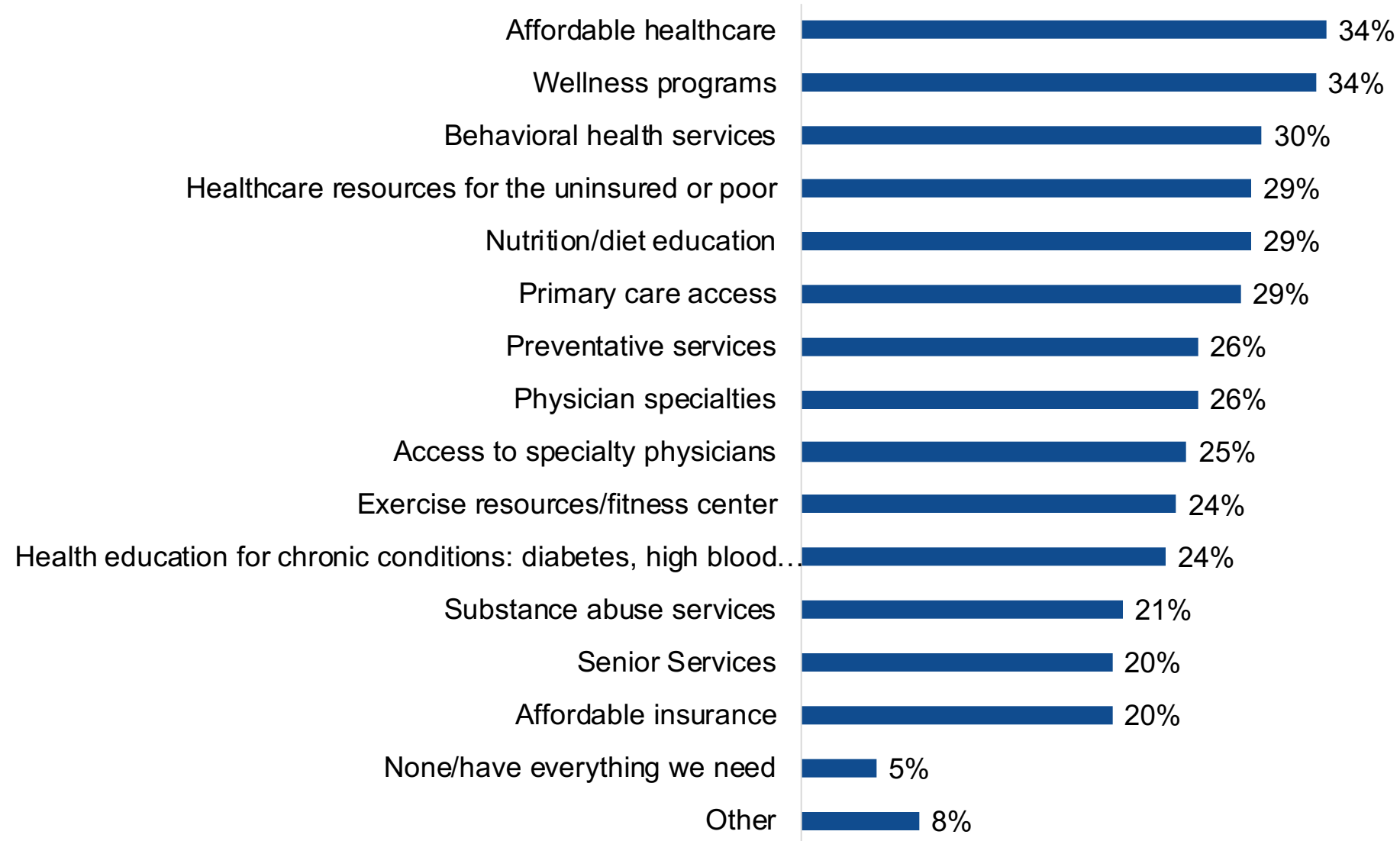
If yes, do you feel you have all that you need to manage your health condition(s)?



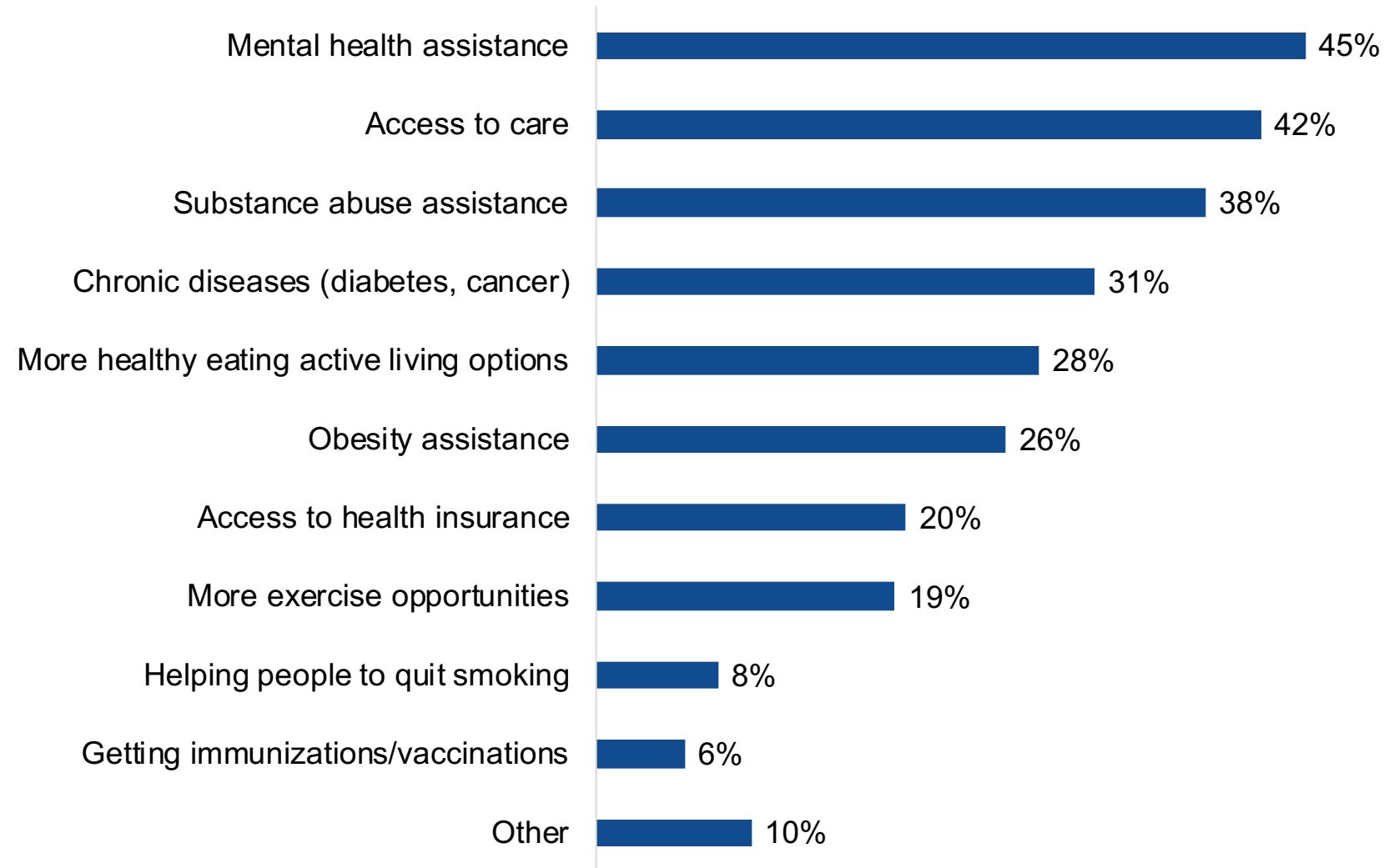
If no, what do you need in order to manage your health condition(s)? (Select all that apply)



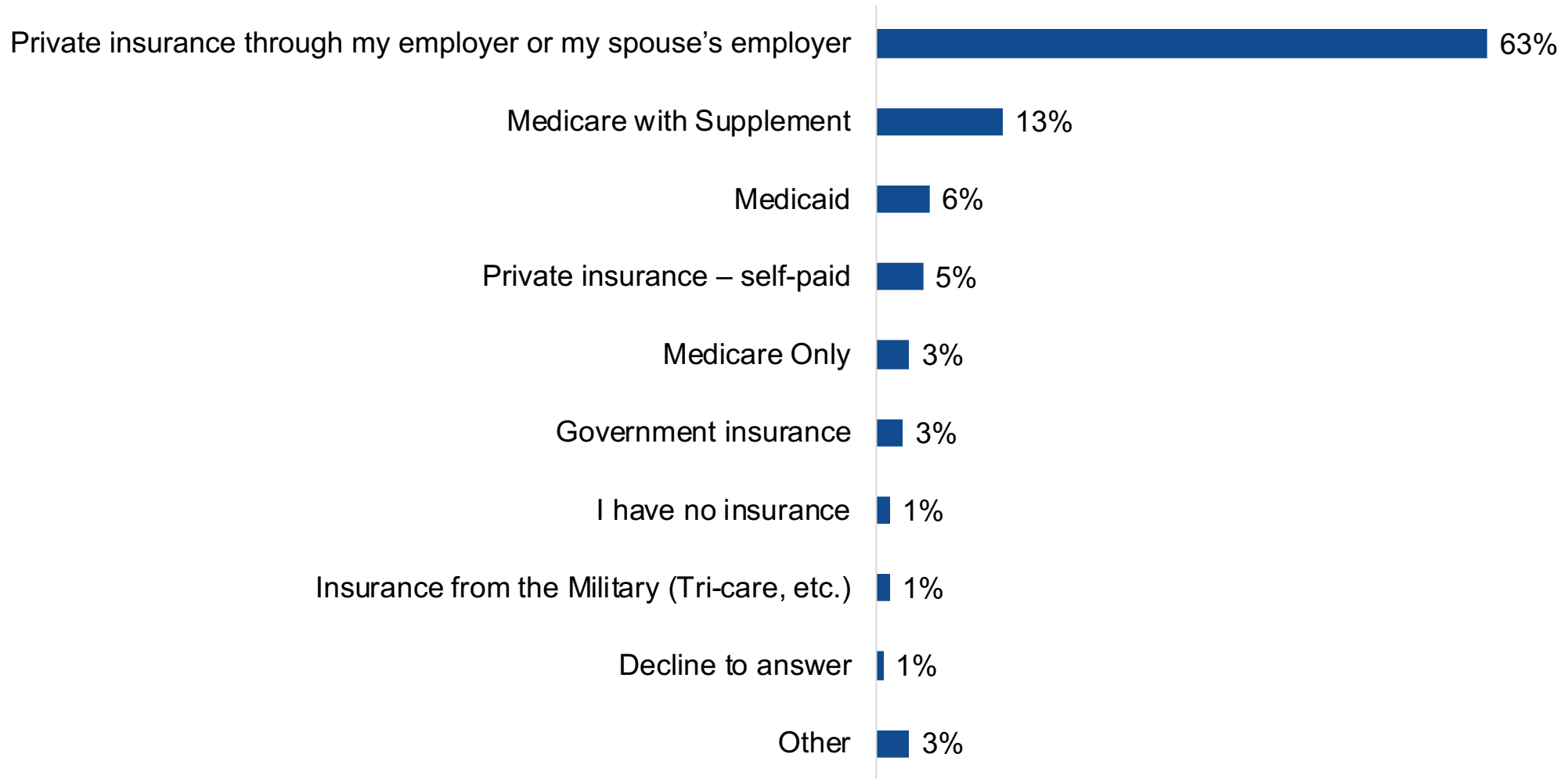
What healthcare, health education, or public health services or programs would you like to see offered in your community?



In your opinion, what are the top 3 health needs in your community?



Which of the following best describes your health insurance situation?





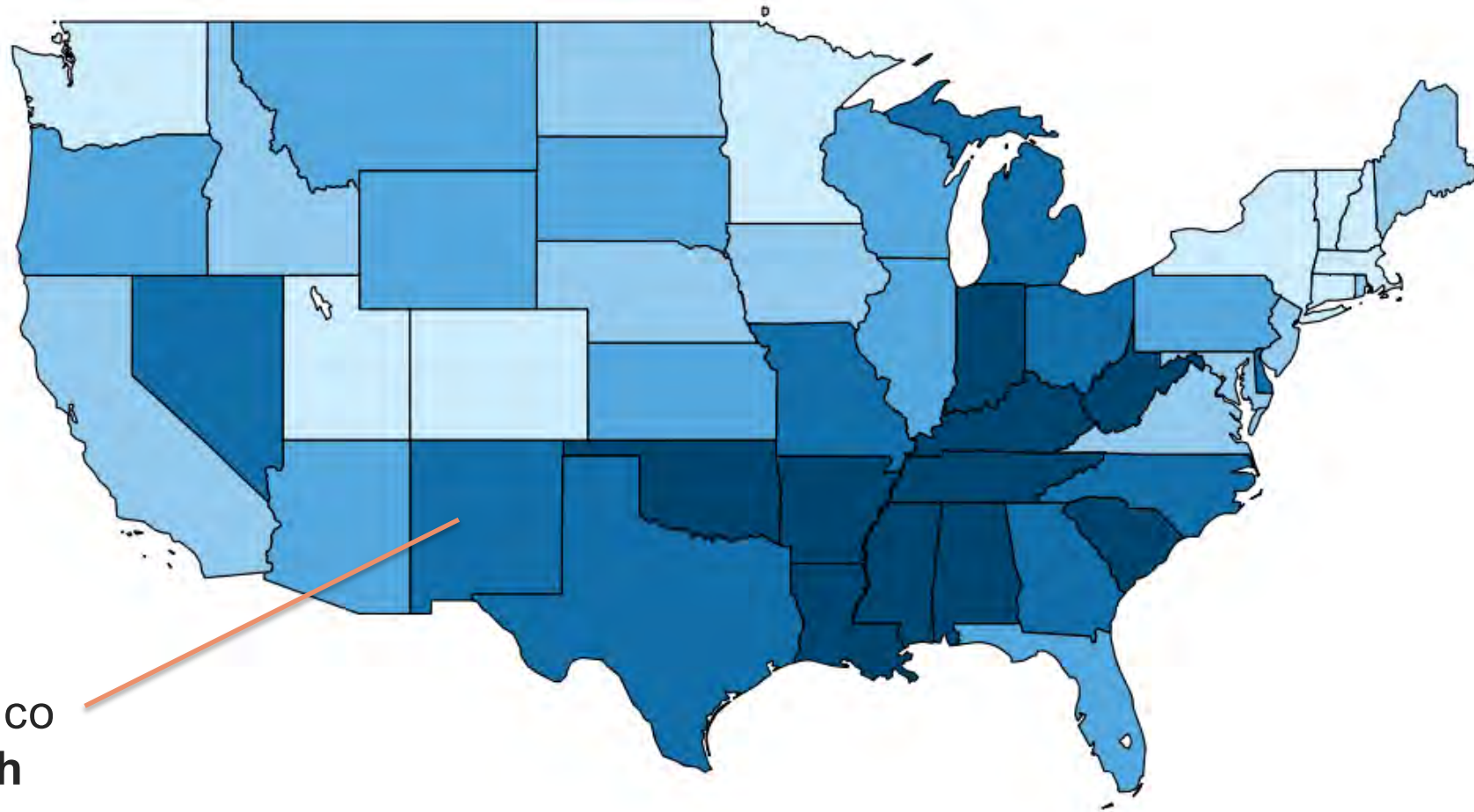
Health of the Community

Eddy County, NM CHNA

America's Health Rankings



1 to 10 11 to 20 21 to 30 31 to 40 41 to 50



New Mexico
ranks **35th**

Strengths

- Low cancer death rate
- High rate of mental health providers
- Low levels of air pollution

Challenges

- Low percentage of high school graduation
- High percentage of children in poverty
- High violent crime rate

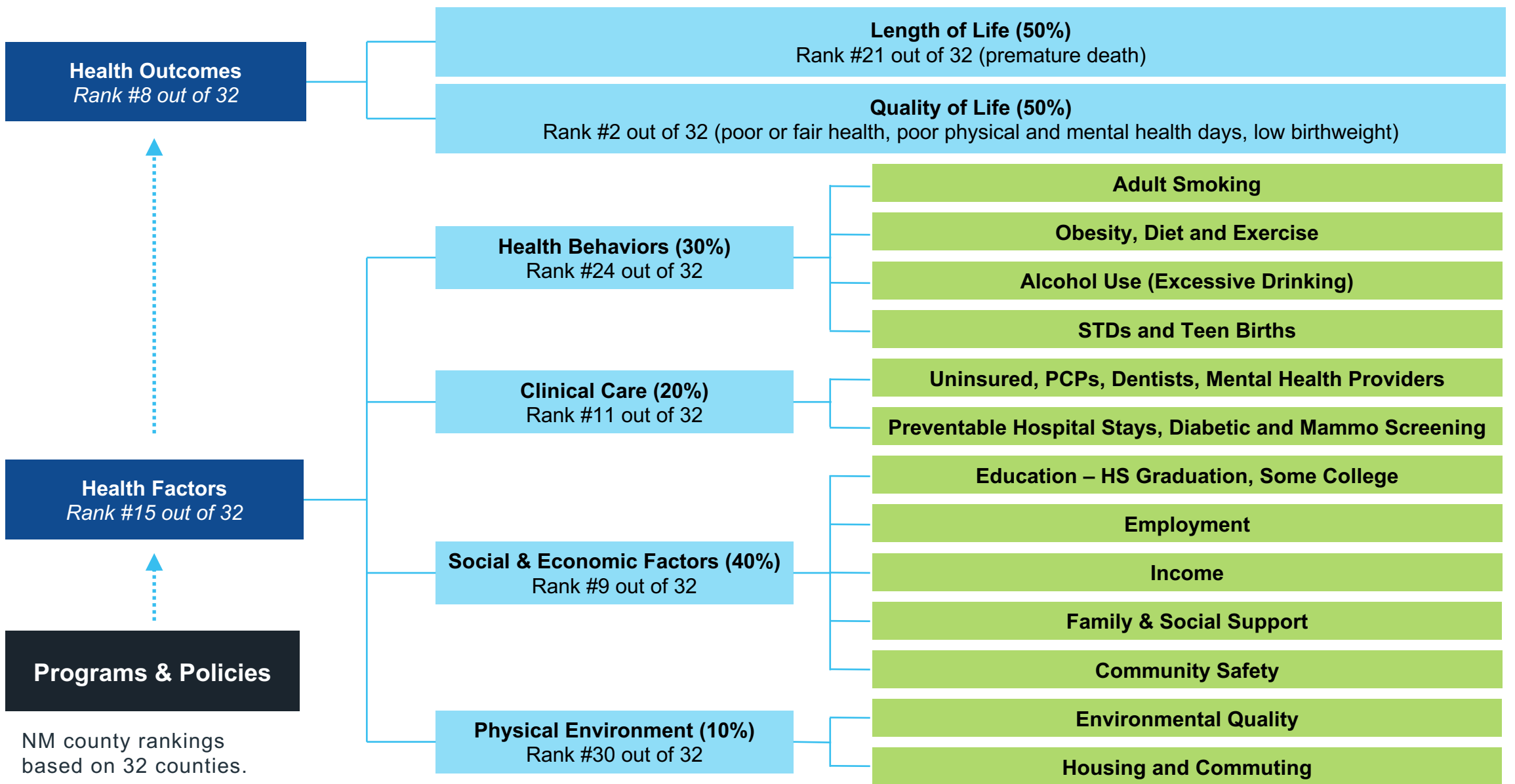
Highlights

- In the past year, obesity **increased** 5% from 27.1% to 28.4% of adults
- In the past three years, smoking **decreased** 19% from 21.5% to 17.5% of adults
- In the past four years, violent crime **increased** 40% from 559 to 784 offenses per 100,000 population
- In the past 10 years, the percentage uninsured **decreased** 59% from 22.7% to 9.2% of the population
- In the past five years, cancer deaths **increased** 3% from 164.4 to 168.9 deaths per 100,000 population
- In the past five years, cardiovascular deaths **increased** 4% from 216.3 to 225.0 deaths per 100,000 population

Select Rankings

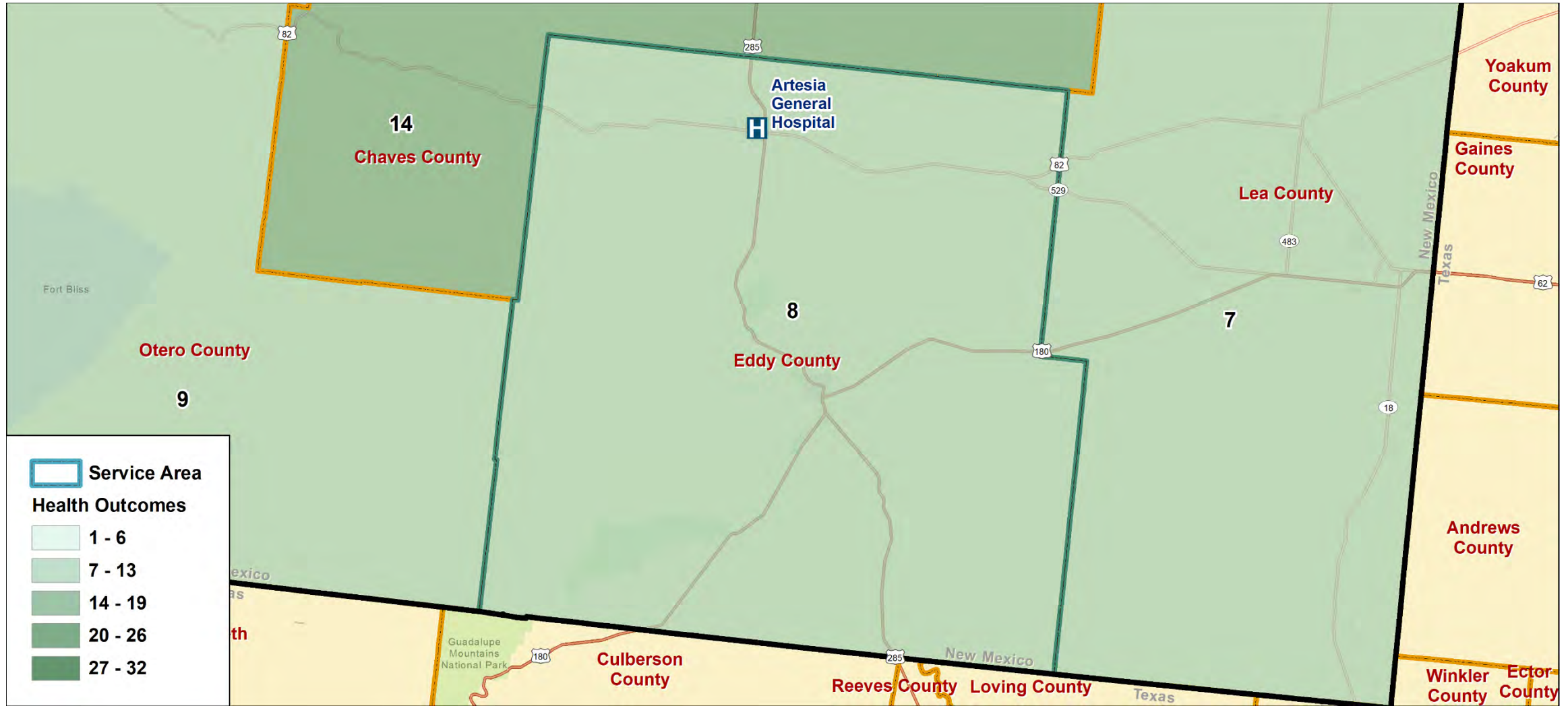
6	Air Pollution
6	Cancer Deaths
8	Mental Health Providers
9	Excessive Drinking
9	Public Health Funding
44	Drug Deaths
47	Chlamydia
49	Children in Poverty
49	Violent Crime
50	High School Graduation

Eddy County, NM Health Rankings



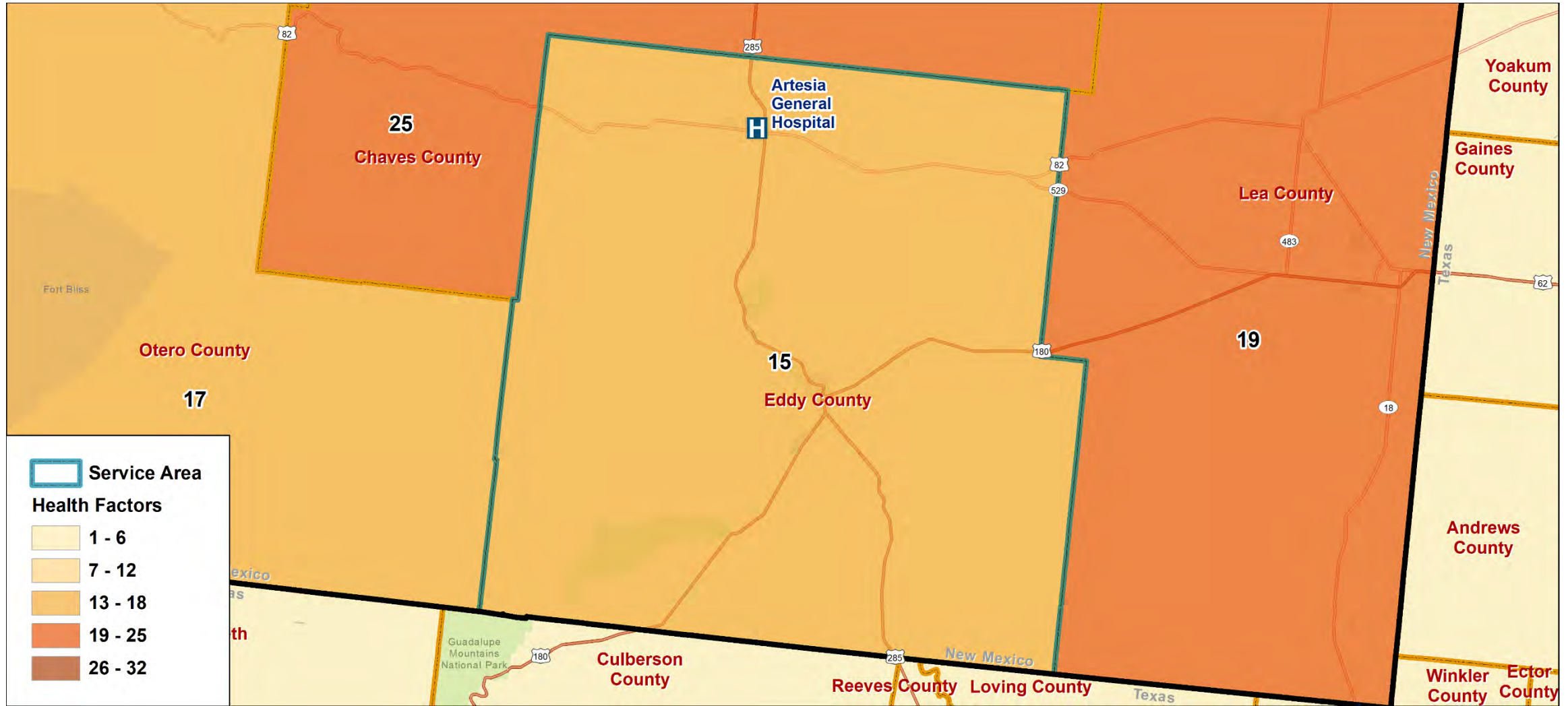
NM county rankings based on 32 counties.

Health Outcome Rankings – New Mexico



NM county rankings based on 32 counties.

Health Factors Rankings – New Mexico



NM county rankings based on 32 counties.

Contiguous Counties Health Rankings & Measures



	Eddy	Chaves	De Baca	Lea	Lincoln	Otero	Roosevelt
Health Outcomes	8	14	29	7	19	9	6
Length of Life	21	15	30	10	25	7	6
Quality of Life	2	15	20	5	6	17	11
Health Factors	15	25	9	19	10	17	23
Health Behaviors	24	27	10	23	14	25	21
Clinical Care	11	24	26	31	20	13	32
Social & Economic Factors	9	19	7	8	5	13	11
Physical Environment	30	25	7	13	12	18	23
Adult smoking	15%	18%	15%	15%	16%	18%	18%
Adult obesity	33%	31%	25%	32%	23%	28%	25%
Physical inactivity	24%	28%	23%	27%	21%	20%	26%
High school graduation	75%	67%	88%	86%	82%	75%	81%
Violent crime rate	567	622	218	439	380	355	478
Air pollution (particulate matter)	7.5	7.4	5.9	7.6	5.6	6.7	6.9

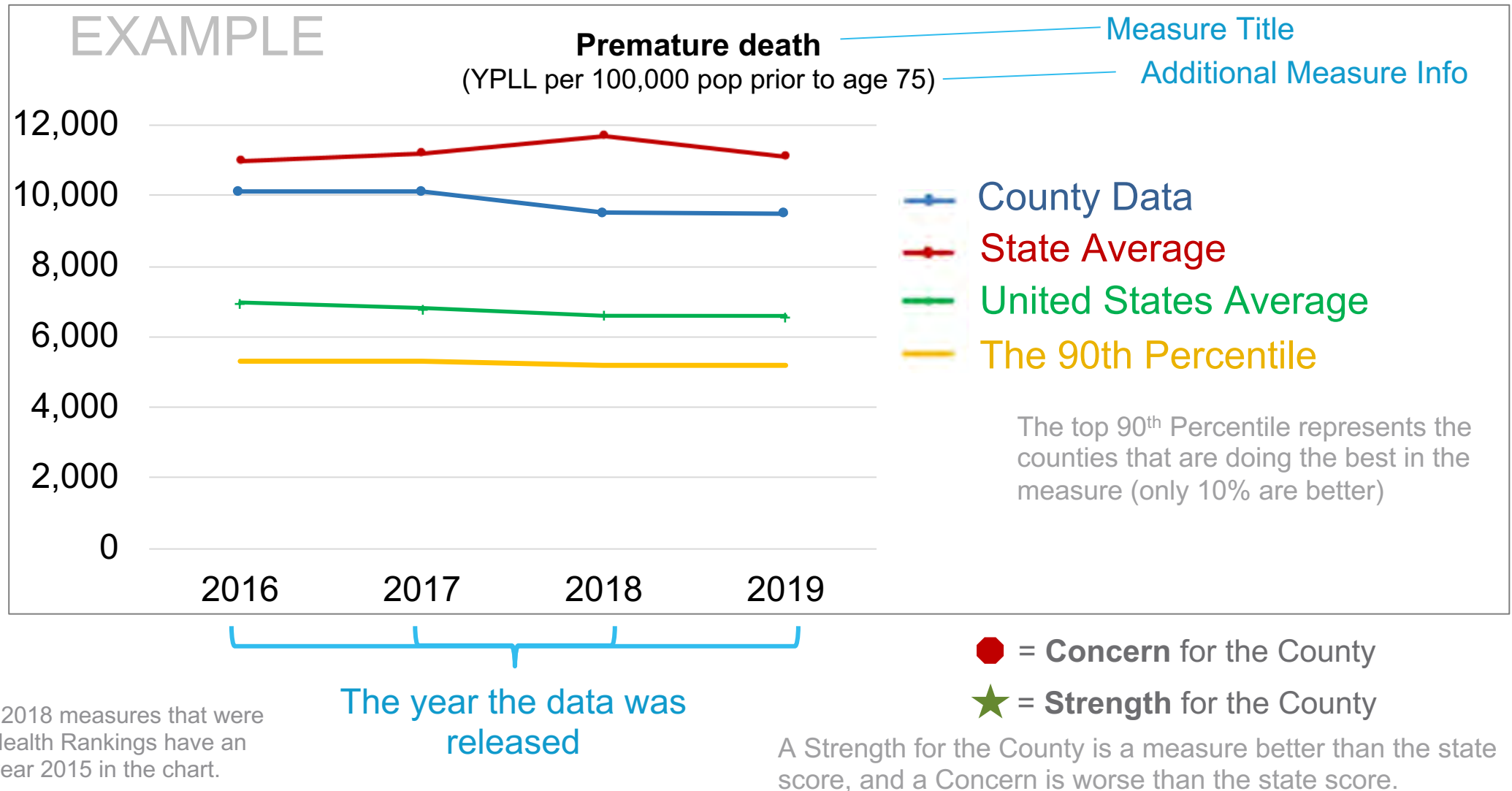
Ranks out of 32 counties

Red = Concern

Health Outcomes: how long people live and how healthy people feel and low birth weight babies.
 Health Factors: health behaviors, clinical care, social and economic, and the physical environment.

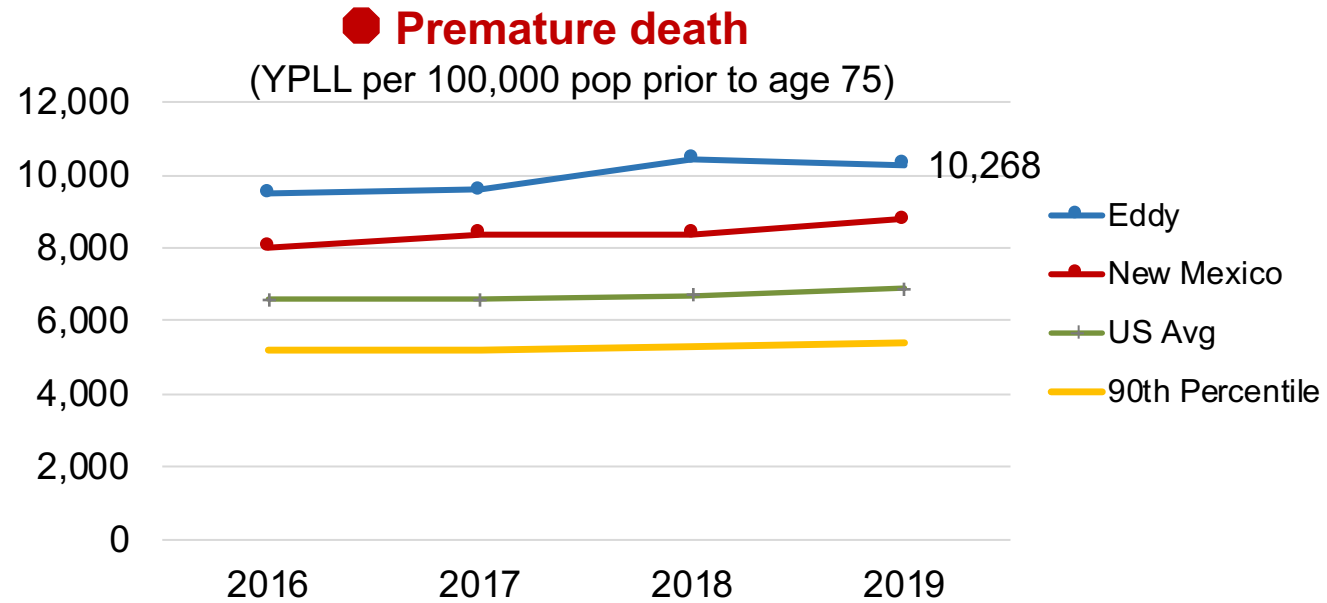
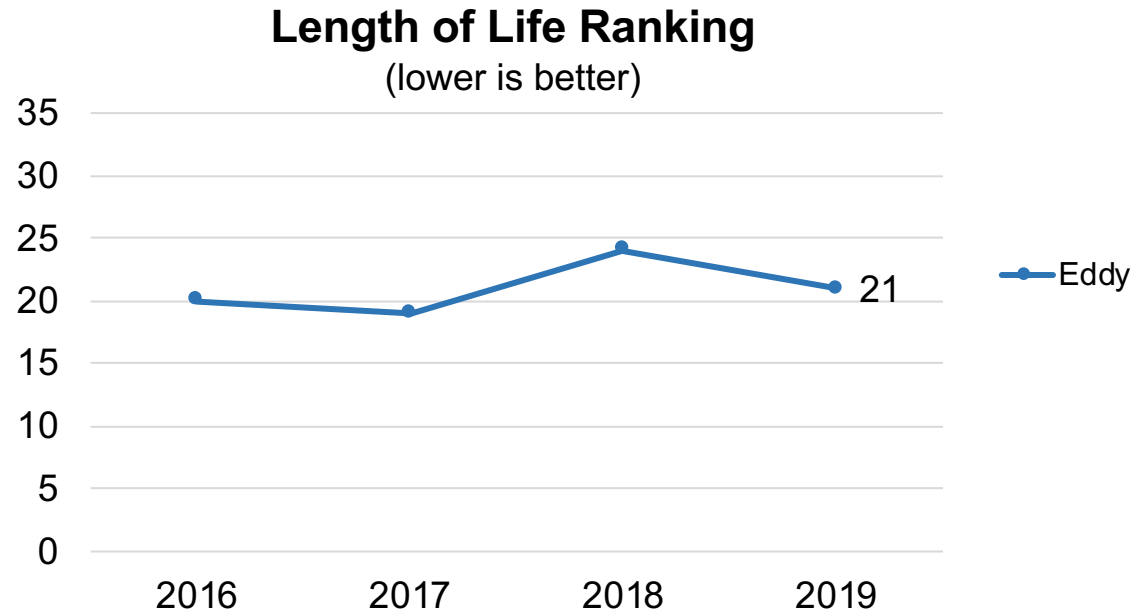
Health Measure Trend Charts

A brief explanation of the health measure trend charts



The 2016, 2017, and 2018 measures that were changed by County Health Rankings have an asterisk next to the year 2015 in the chart.

Length of Life Rank



Leading Causes of Death per 100,000 Population



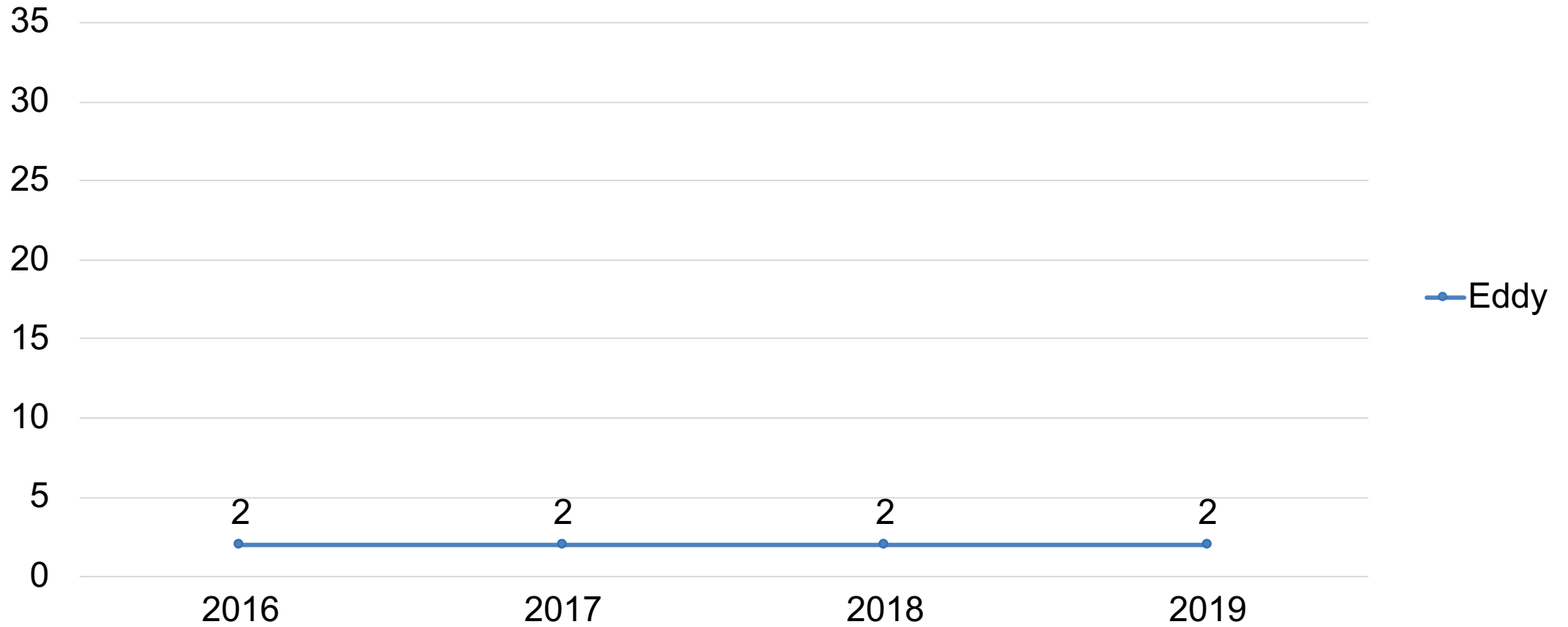
Cause of Death	Eddy County	New Mexico	US
Heart diseases	236.9	186.6	165.0
Cancer	182.5	173.4	152.5
Respiratory Diseases	61.4	54.7	49.4
Accidents (Unintentional Injuries)	68.4	69.9	40.4
Alzheimer's Disease	45.6	27.4	31.0
Cerebrovascular Diseases	38.6	42.0	37.6
Diabetes	36.8	32.2	21.5
Influenza and Pneumonia	N/A*	16.2	14.3
Suicide	***	23.5	14.0
Kidney Disease	***	15.8	13.0

*Influenza not listed as leading cause of death for Eddy County

Eddy County, NM and US data from 2017. *** denotes unreliable use rates. Rates that appear in red for a county denote a higher value compared to state data
Age Adjustment Uses 2000 Standard Population

Quality of Life Ranking

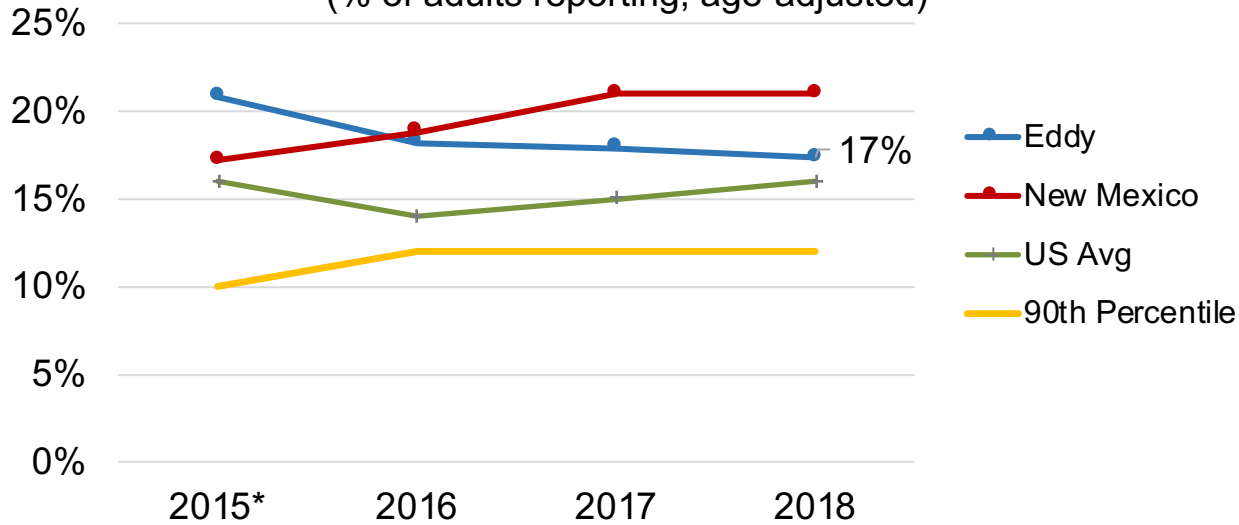
Quality of Life Ranking (lower is better)



Quality of Life Rank

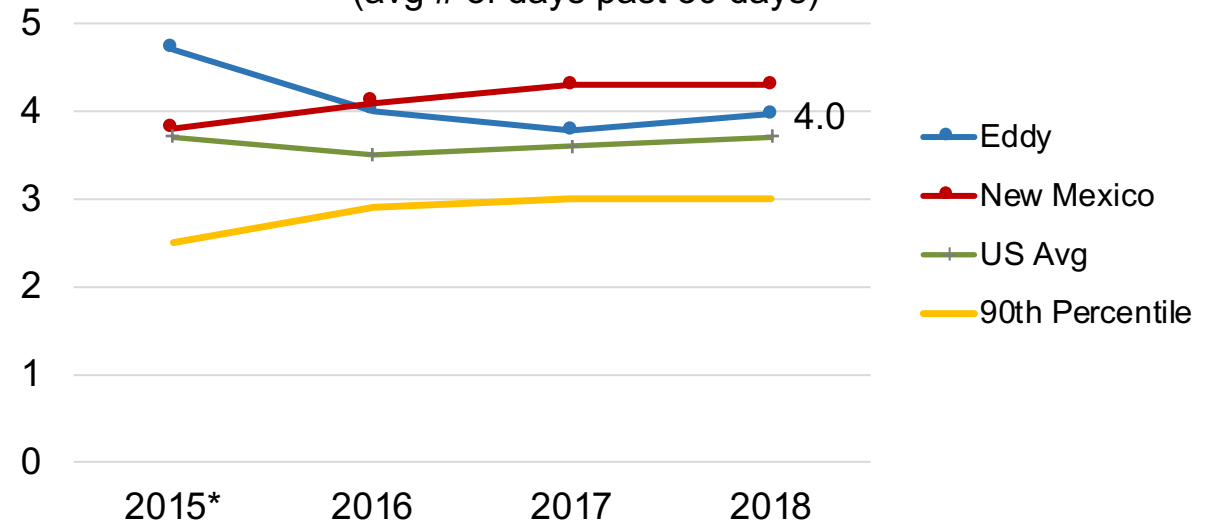
★ Poor or fair health

(% of adults reporting, age-adjusted)



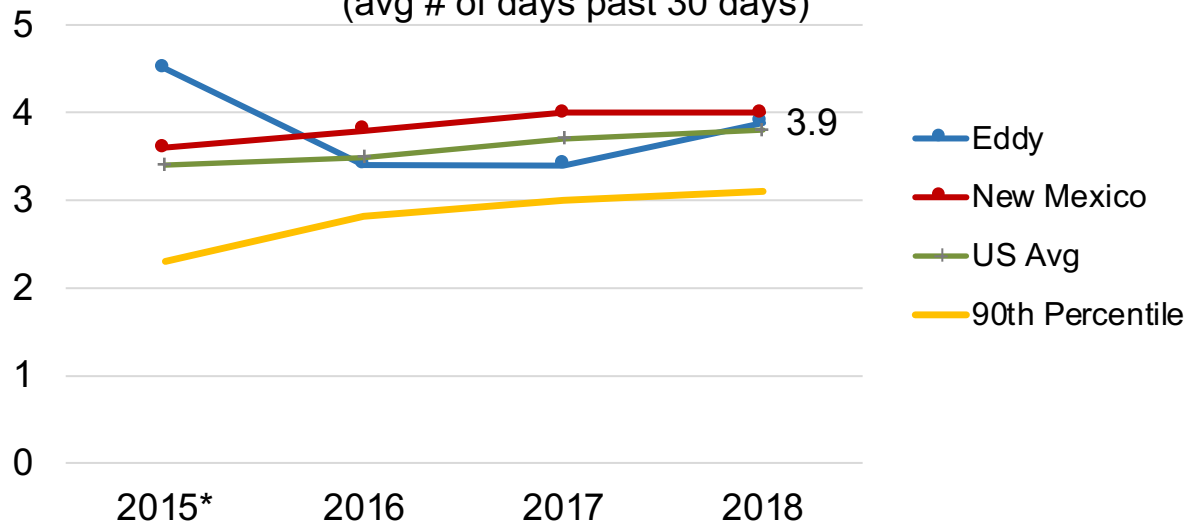
★ Poor physical health days

(avg # of days past 30 days)



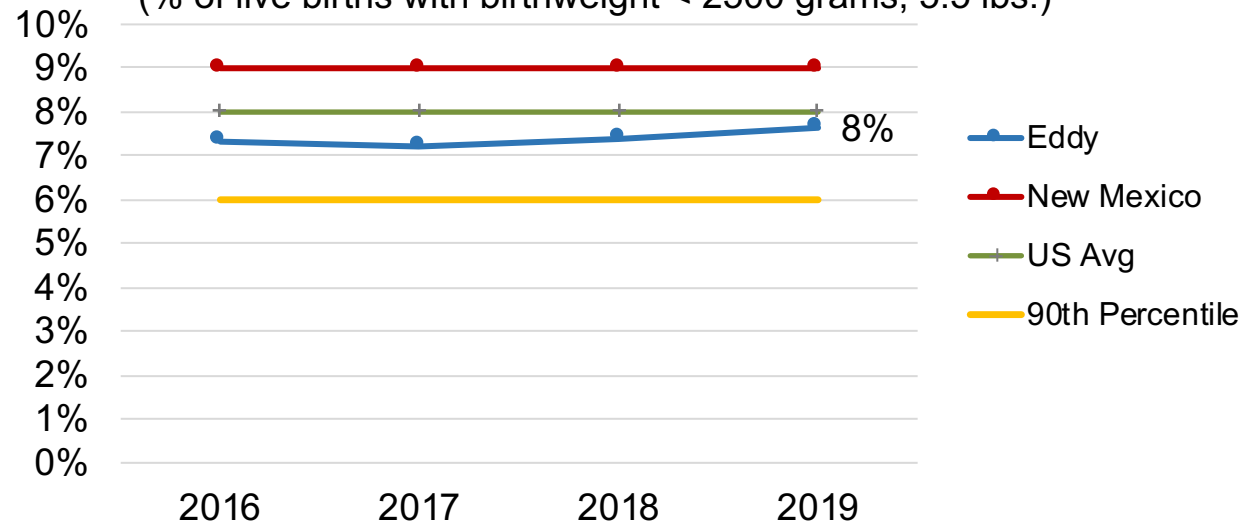
★ Poor mental health days

(avg # of days past 30 days)



★ Low birthweight

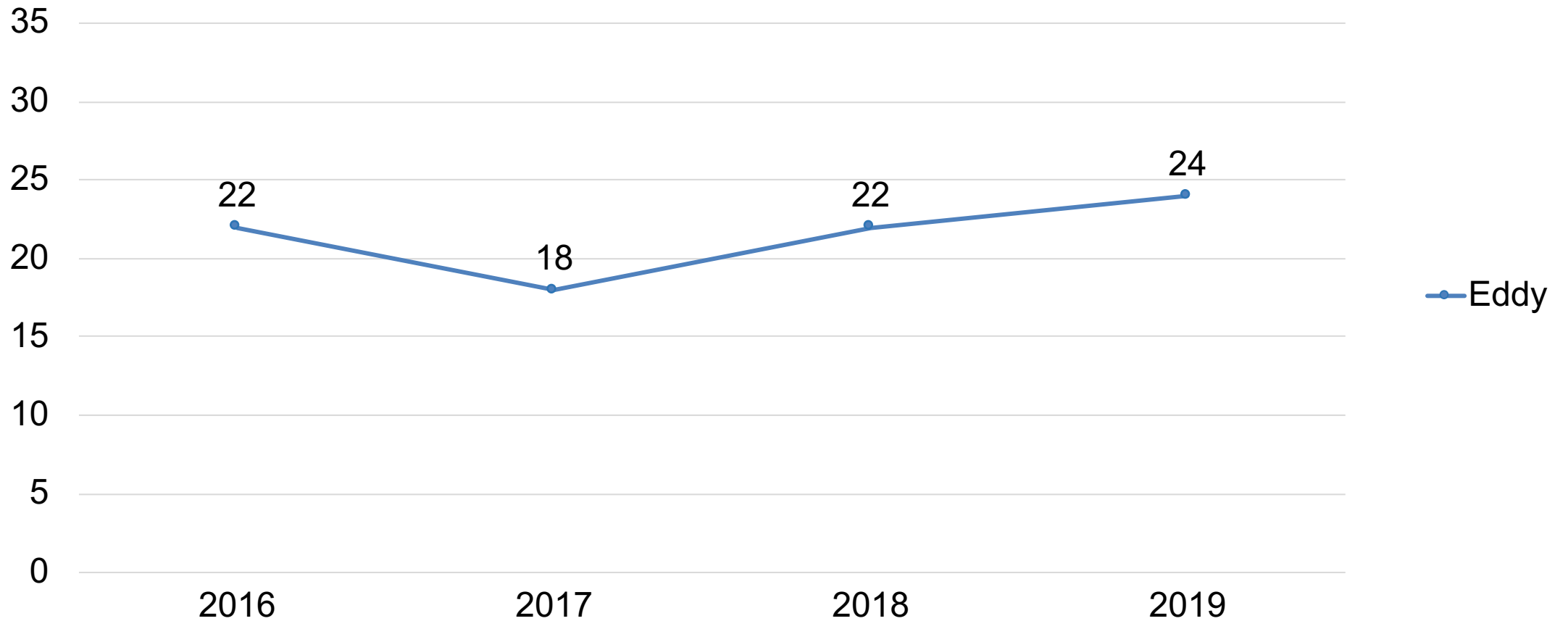
(% of live births with birthweight < 2500 grams, 5.5 lbs.)



*Changes to the definition or methods of calculating the measure following 2015

Health Behaviors Ranking

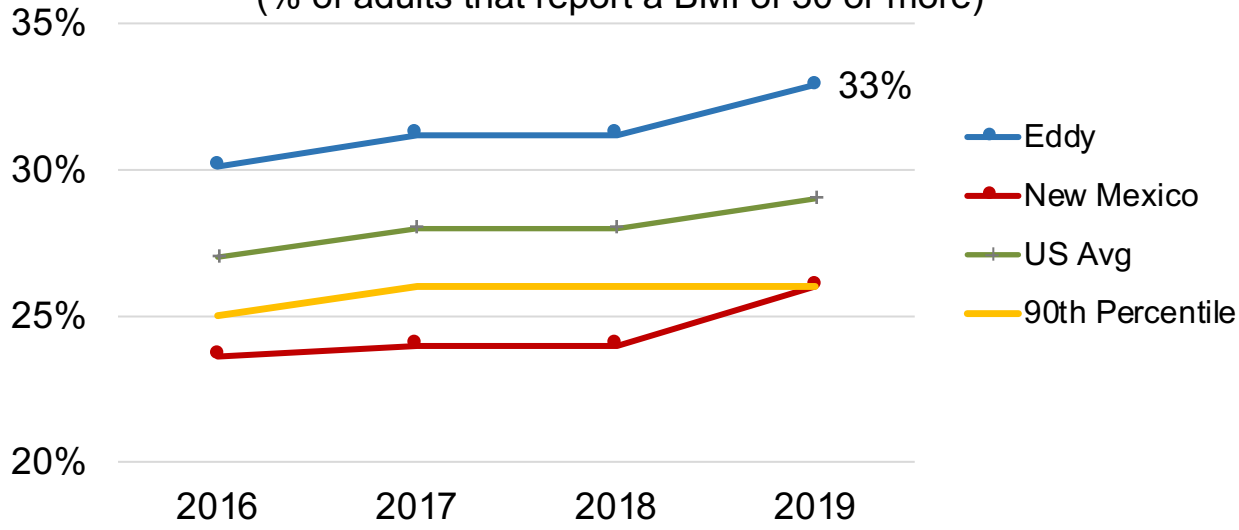
Health Behaviors Ranking
(lower is better)



Health Behaviors

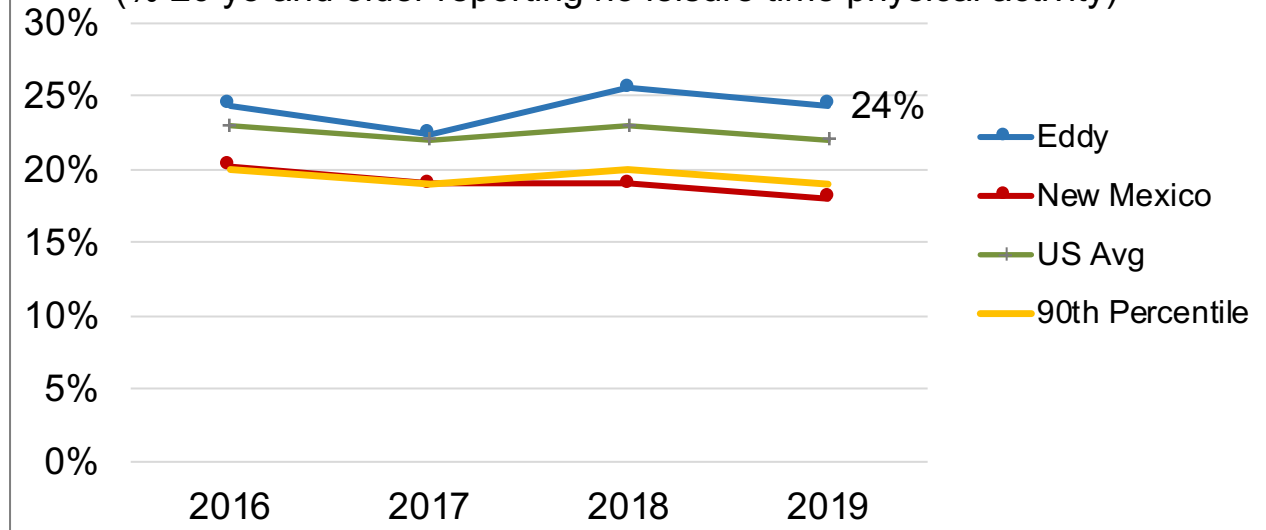
● Adult obesity

(% of adults that report a BMI of 30 or more)



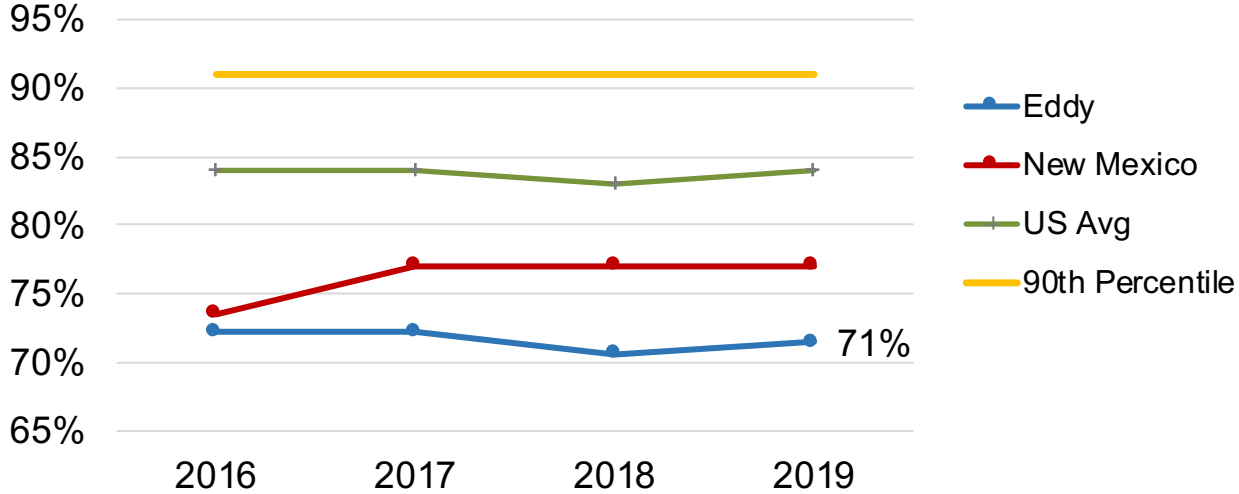
● Physical inactivity

(% 20 yo and older reporting no leisure time physical activity)



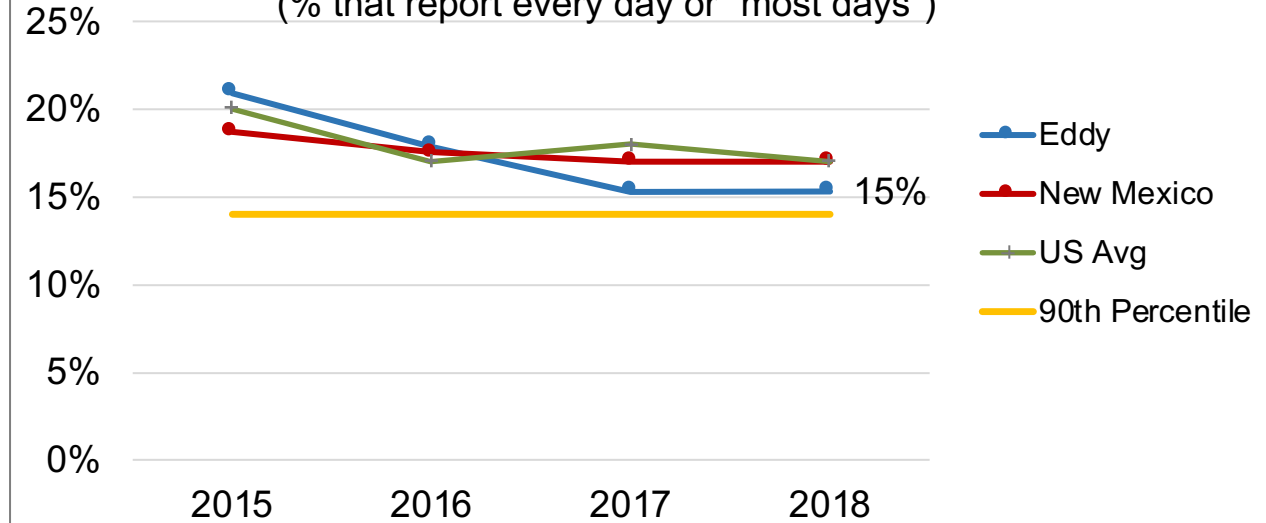
● Access to exercise opportunities

(% of population with adequate access to locations for physical activity)



★ Adult smoking

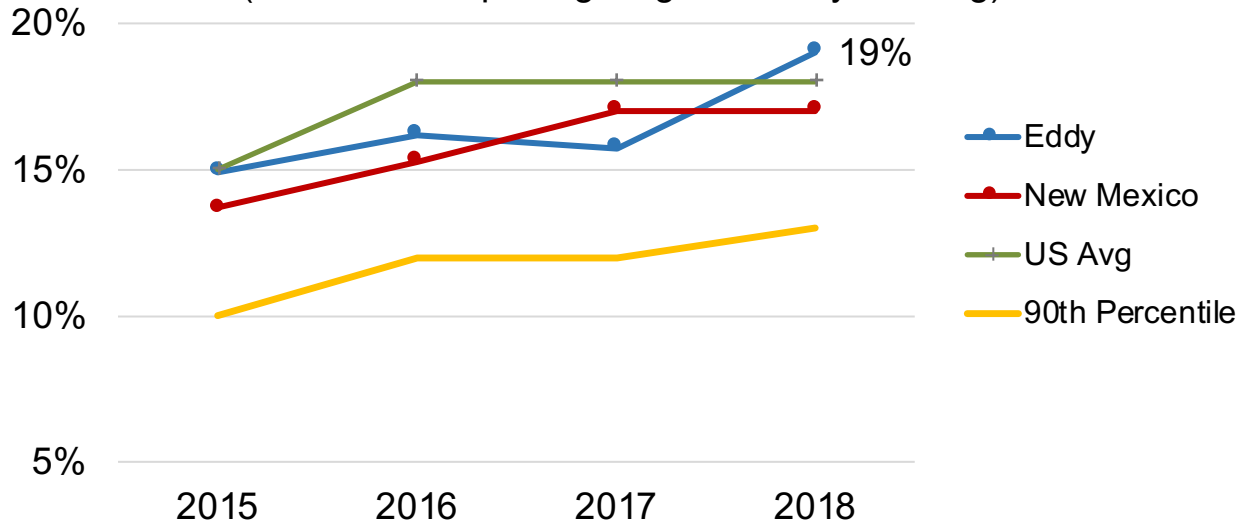
(% that report every day or "most days")



Health Behaviors

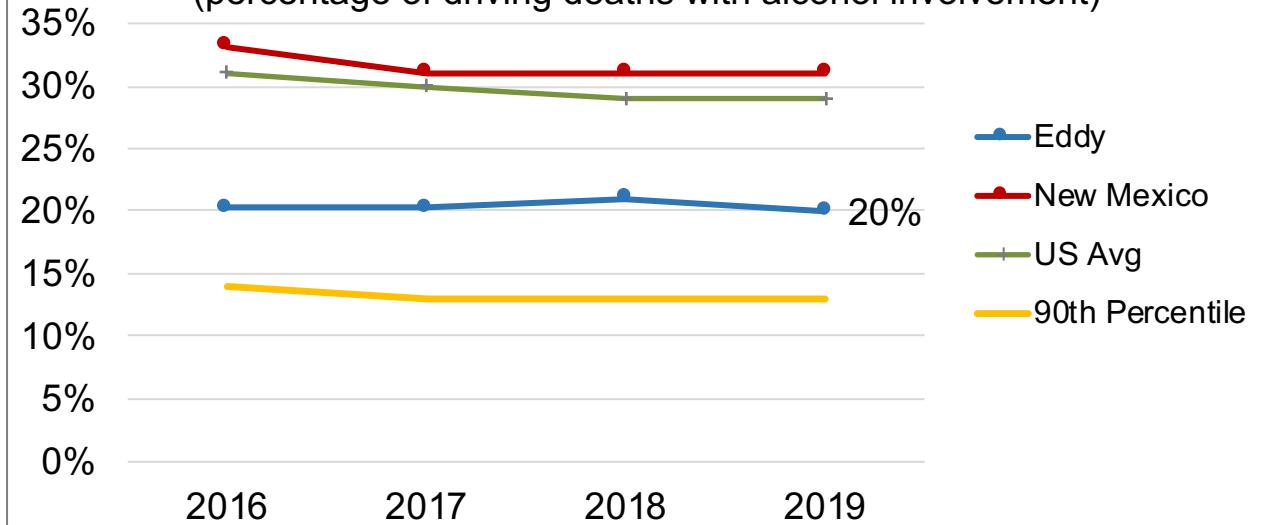
Excessive drinking

(% of adults reporting binge or heavy drinking)



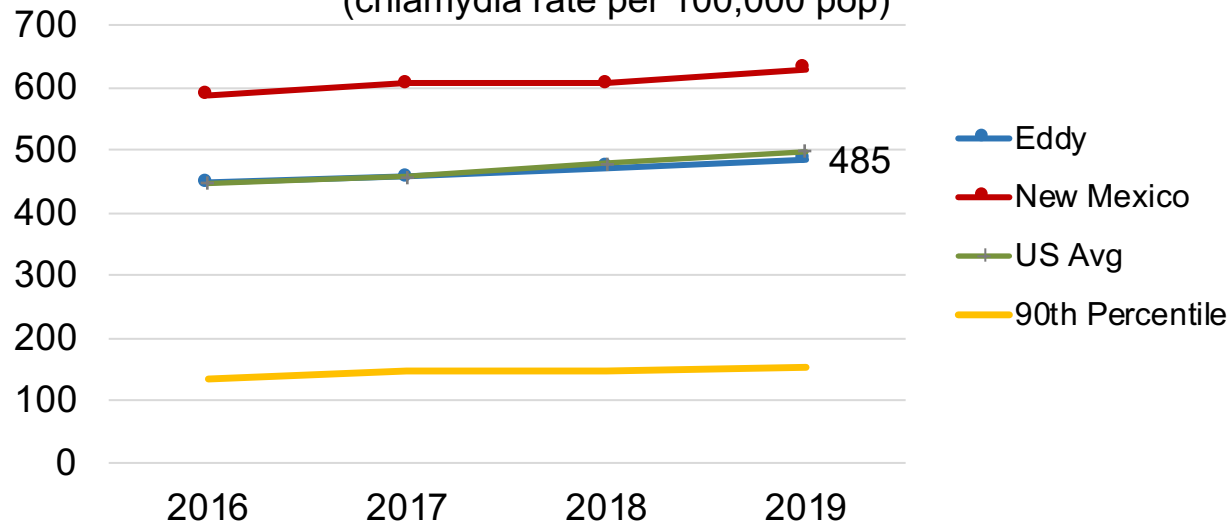
Alcohol impaired driving deaths

(percentage of driving deaths with alcohol involvement)



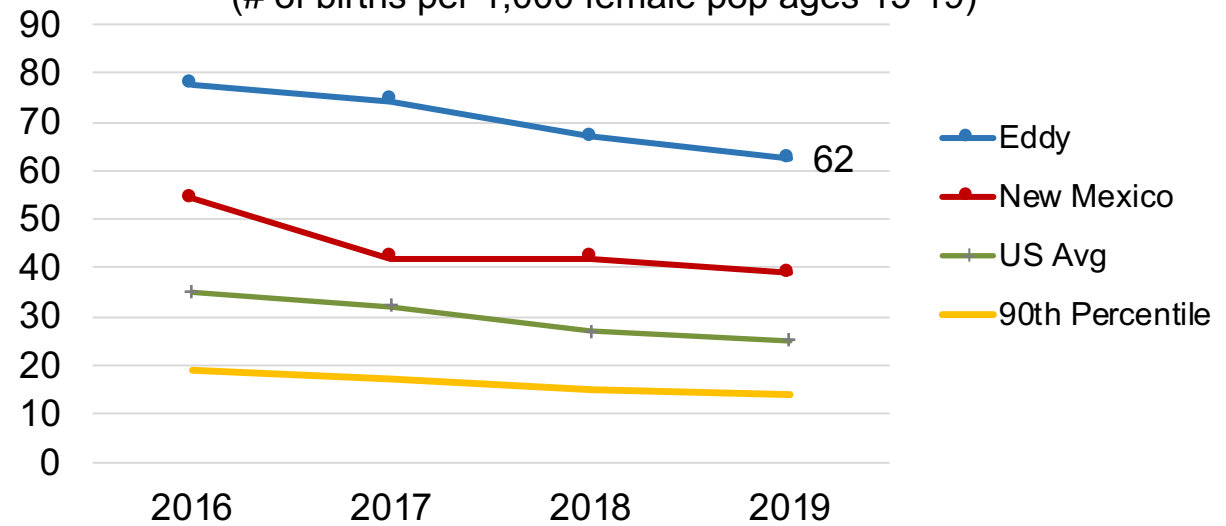
Sexually transmitted infections

(chlamydia rate per 100,000 pop)



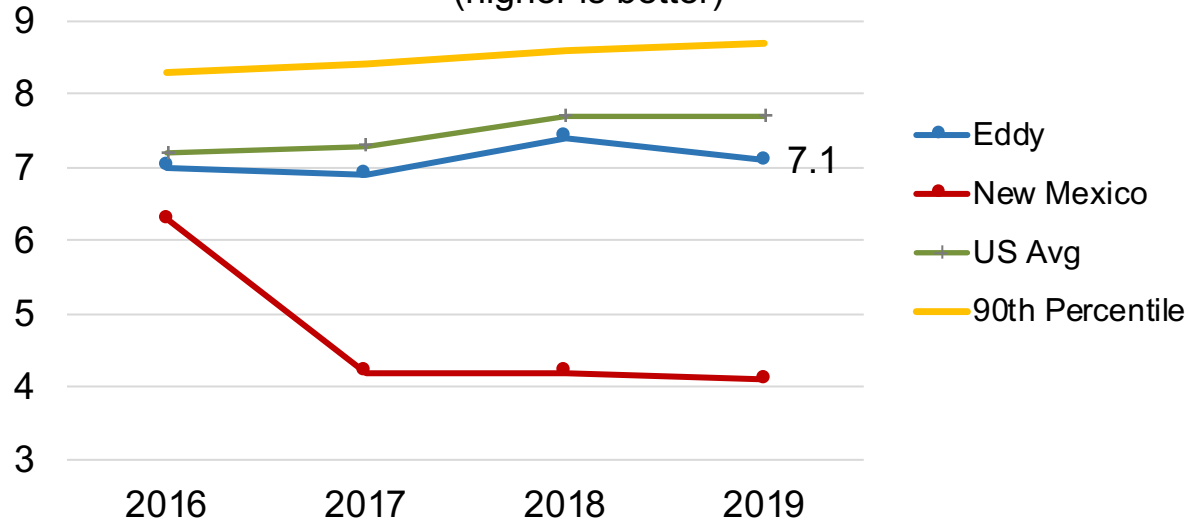
Teen birth rate

(# of births per 1,000 female pop ages 15-19)

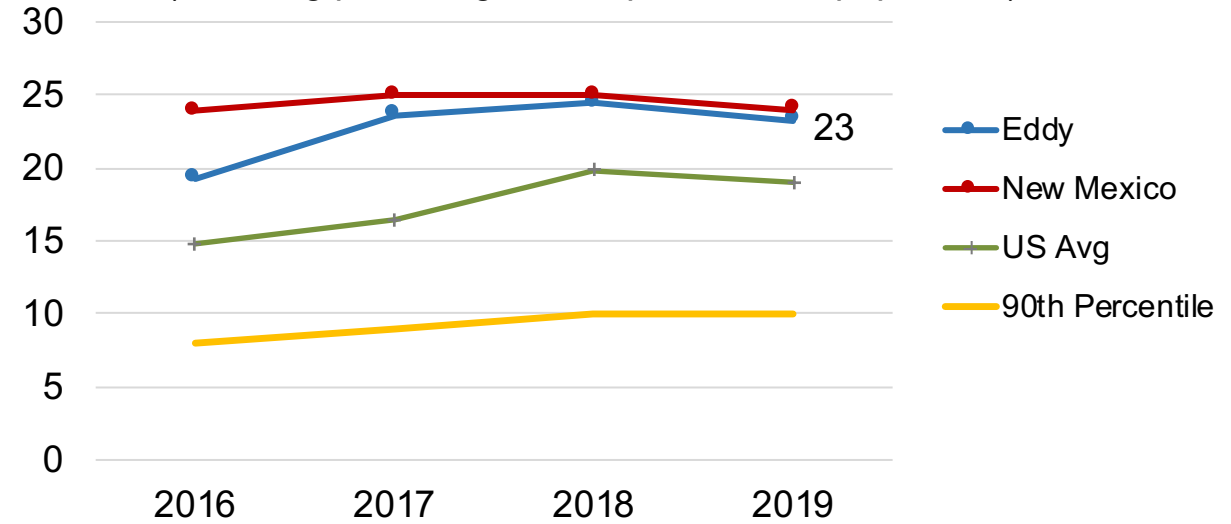


Health Behaviors

★ Food environment index
(higher is better)



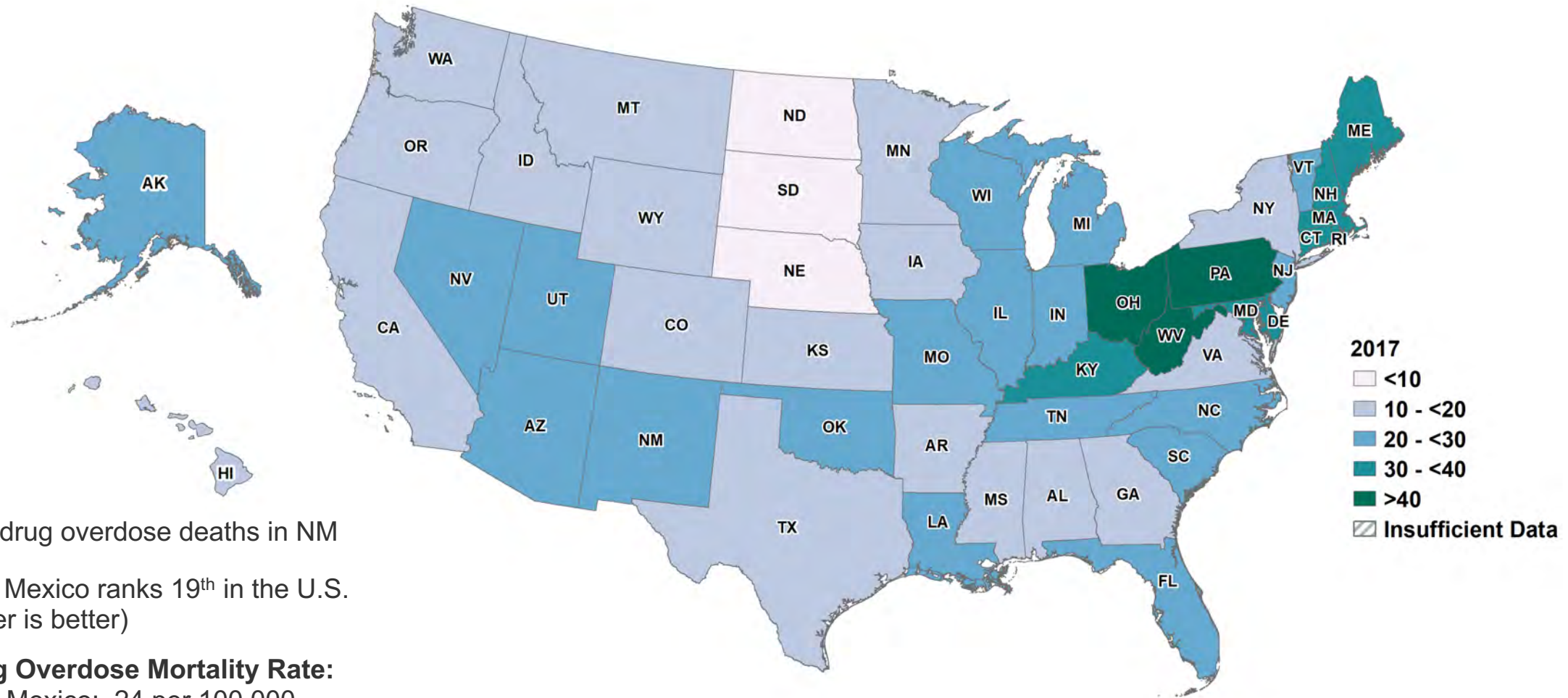
★ Drug overdose mortality rate
(# of drug poisoning deaths per 100,000 population)



The food environment index is comprised of % of the population with limited access to healthy foods and % of the population with food insecurity. Limited access to foods estimates the % of the population who are low income and do not live close to a grocery store. Food insecurity is the % of the population who did not have access to a reliable source of food during the past year.

Drug Overdose Mortality Rates 2017

(per 100,000 population)



493 drug overdose deaths in NM

New Mexico ranks 19th in the U.S.
(lower is better)

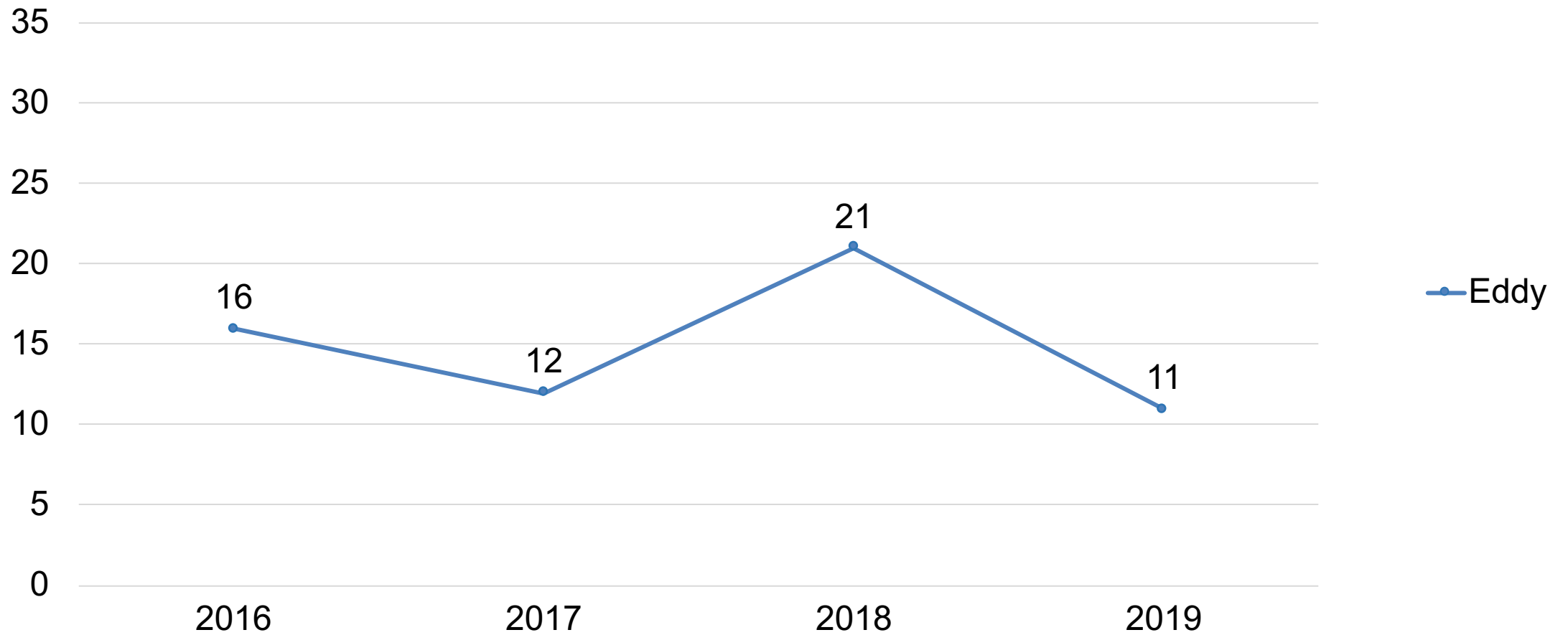
Drug Overdose Mortality Rate:

New Mexico: 24 per 100,000

Eddy County: 24 per 100,000

Clinical Care Rank

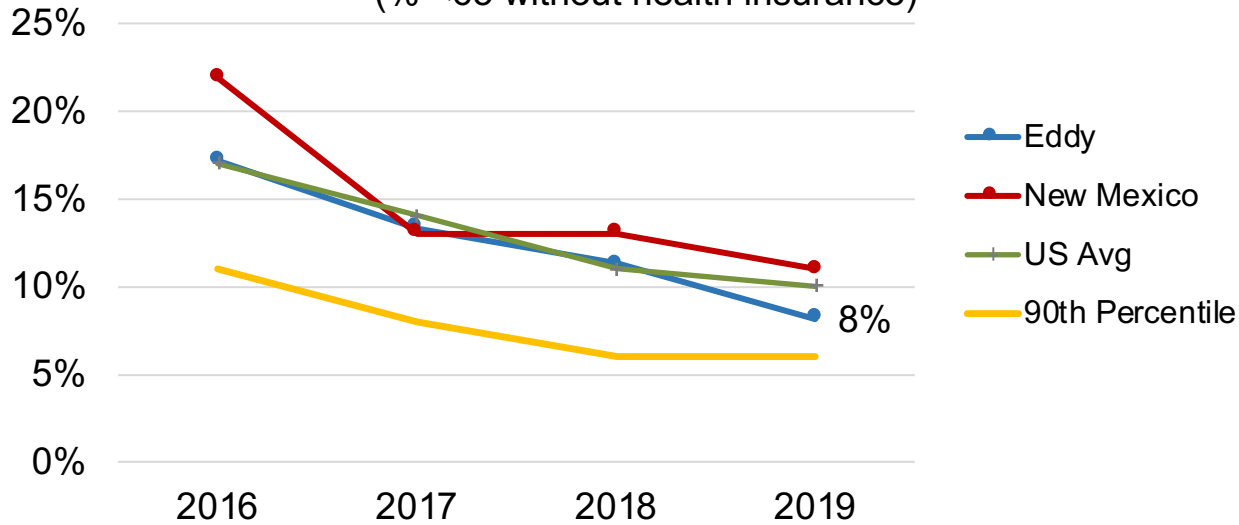
Clinical Care Rank (lower is better)



Clinical Care

★ Uninsured

(% <65 without health insurance)



● Preventable hospital stays

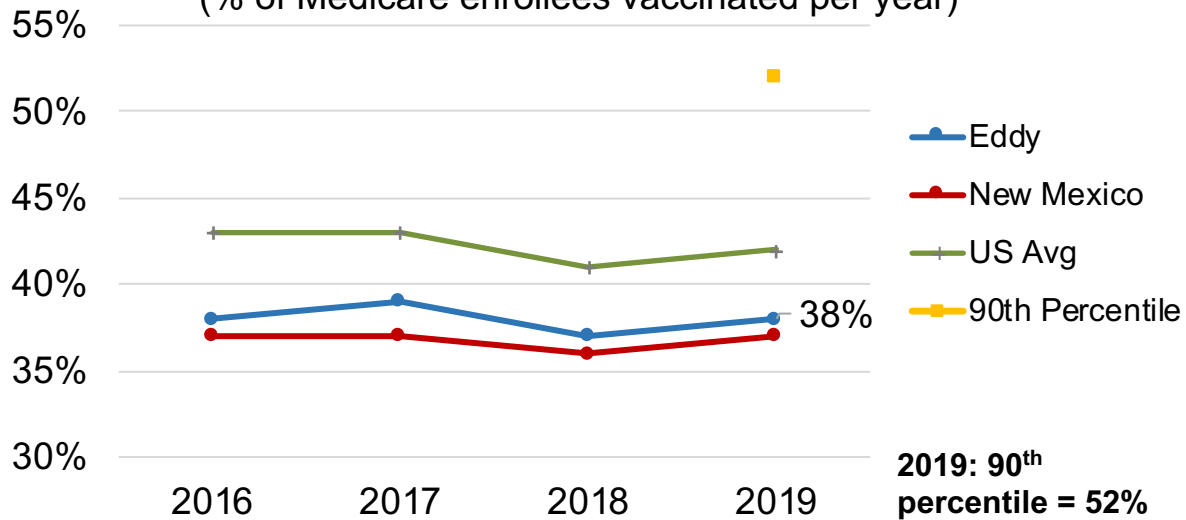
(hospitalization rate for ambulatory-sensitive conditions per 100,000 Medicare enrollees)

2019

Eddy	3,718
New Mexico	3,212
US Avg	4,648
90th Percentile	2,765

★ Flu Vaccines

(% of Medicare enrollees vaccinated per year)



★ Mammography screening

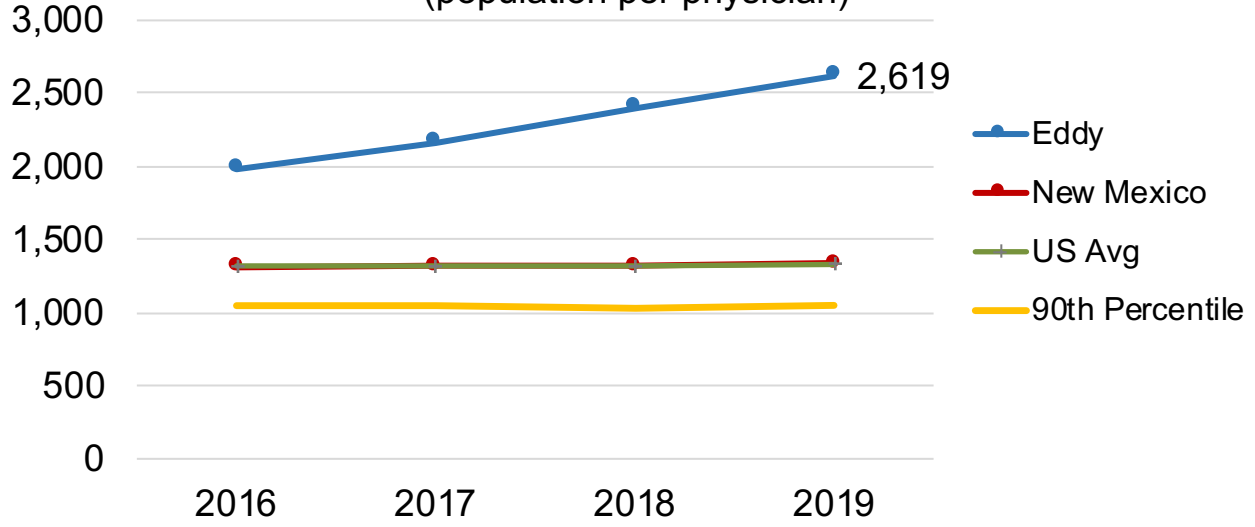
(Percentage of female Medicare enrollees ages 65-74 that received an annual mammography screening)

2019

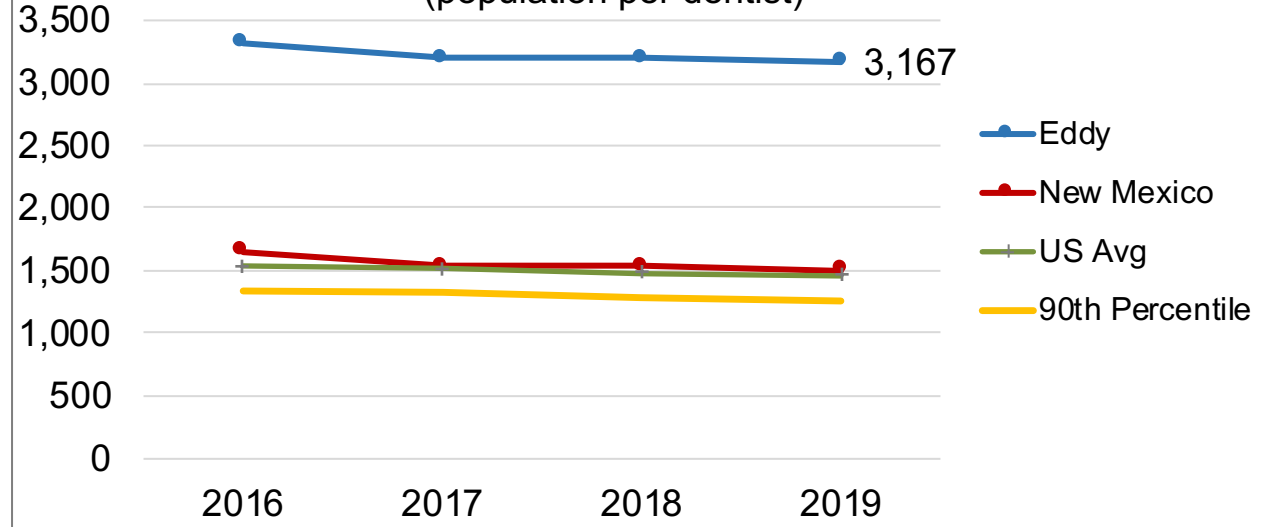
Eddy	33%
New Mexico	33%
US Avg	40%
90th Percentile	49%

Clinical Care

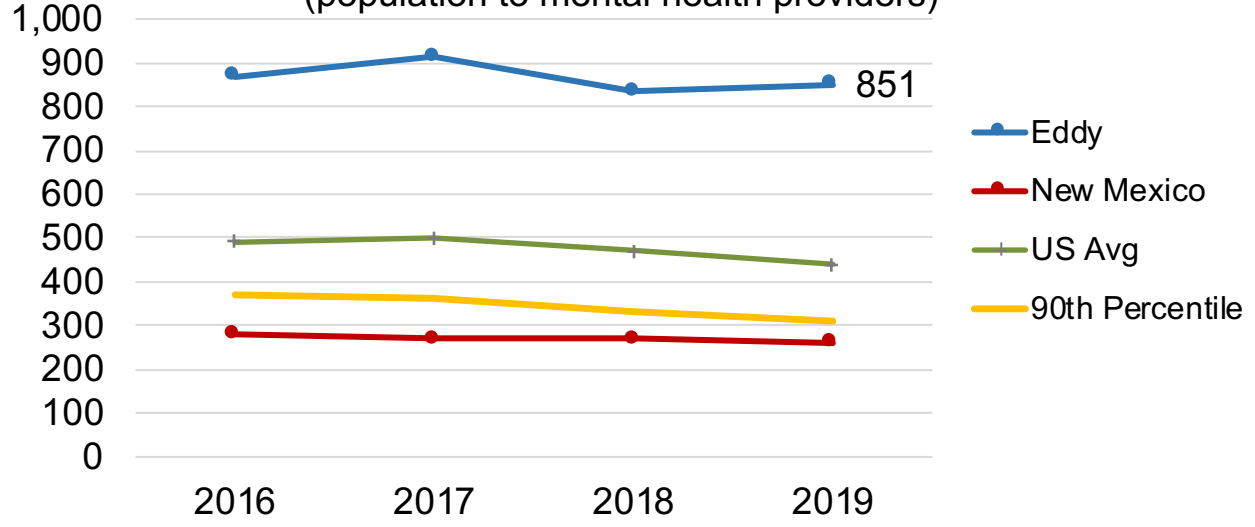
Primary care physicians
(population per physician)



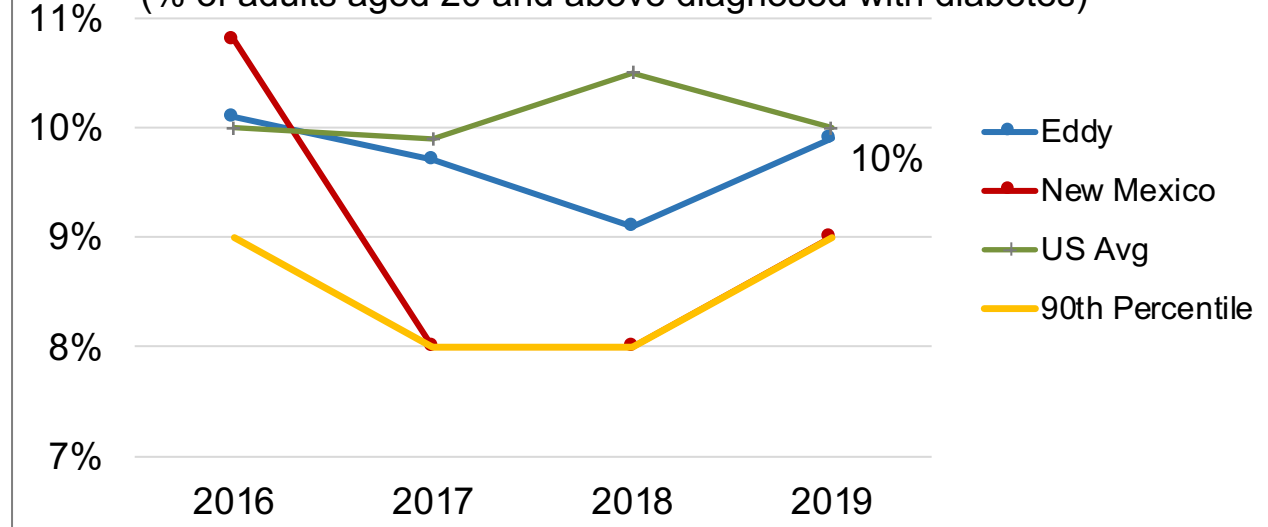
Dentists
(population per dentist)



Mental health providers*
(population to mental health providers)

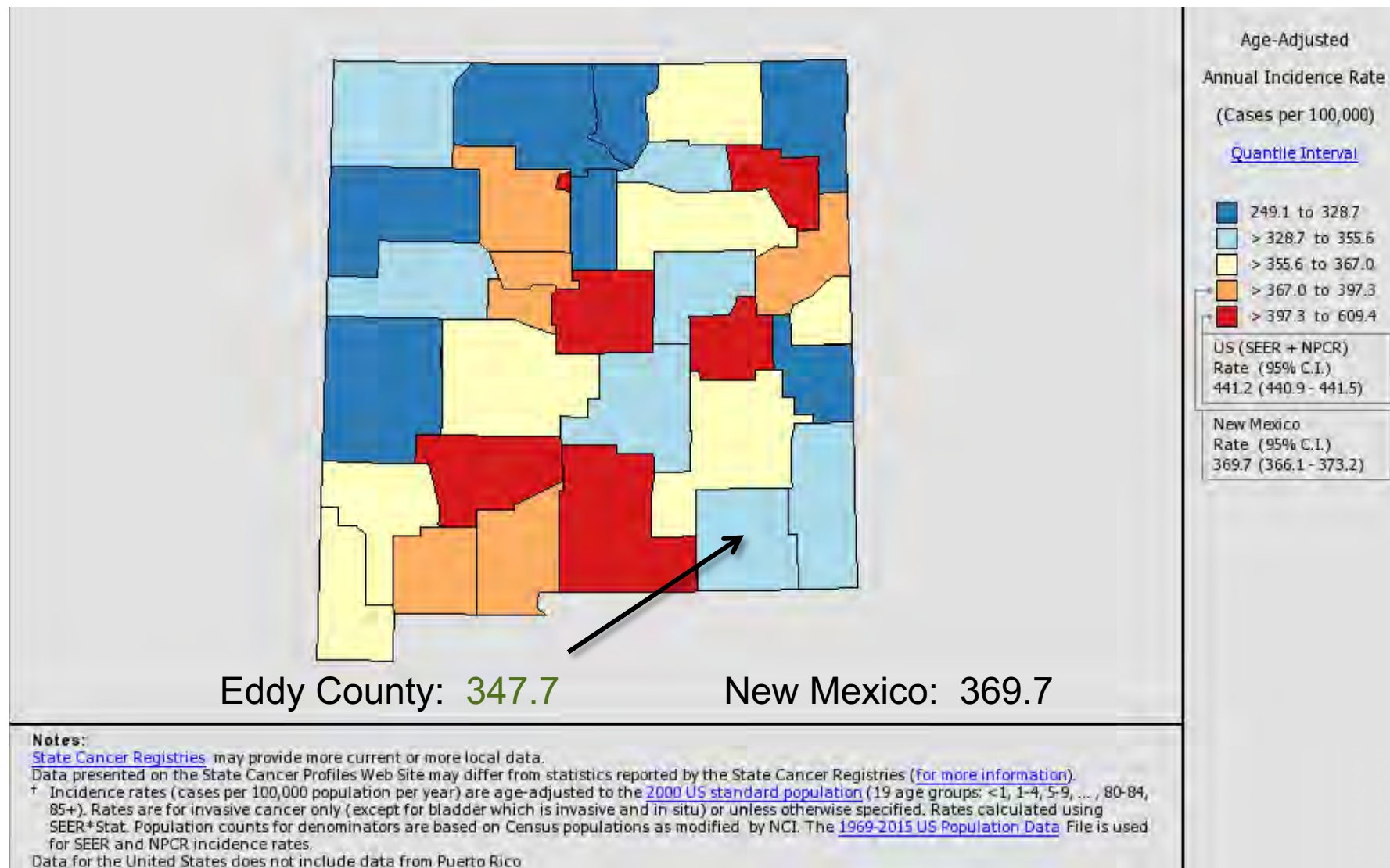


Diabetes
(% of adults aged 20 and above diagnosed with diabetes)



*Mental health providers include psychiatrists, psychologists, licensed clinical social workers, counselors, and advanced practice nurses specializing in mental health care.

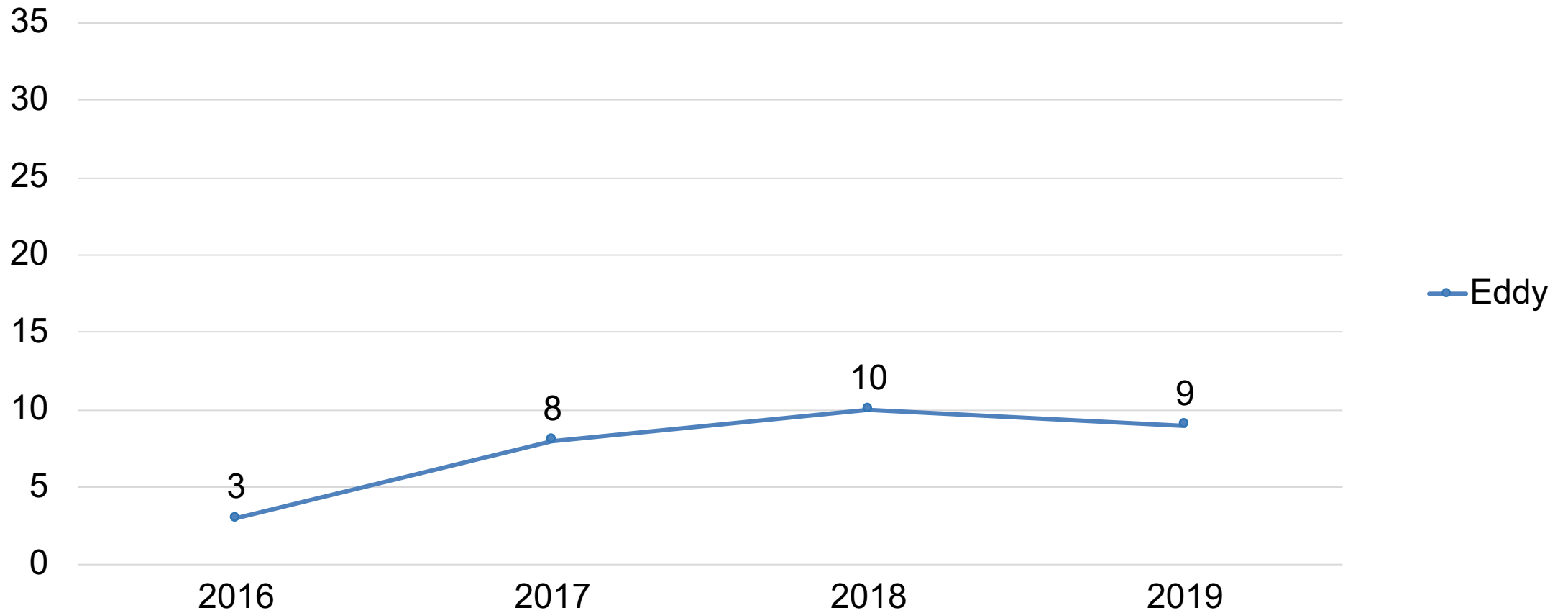
Cancer Incidence Rates – NM Counties



Social & Economic Factors Rank

Social and Economic Factors Ranking

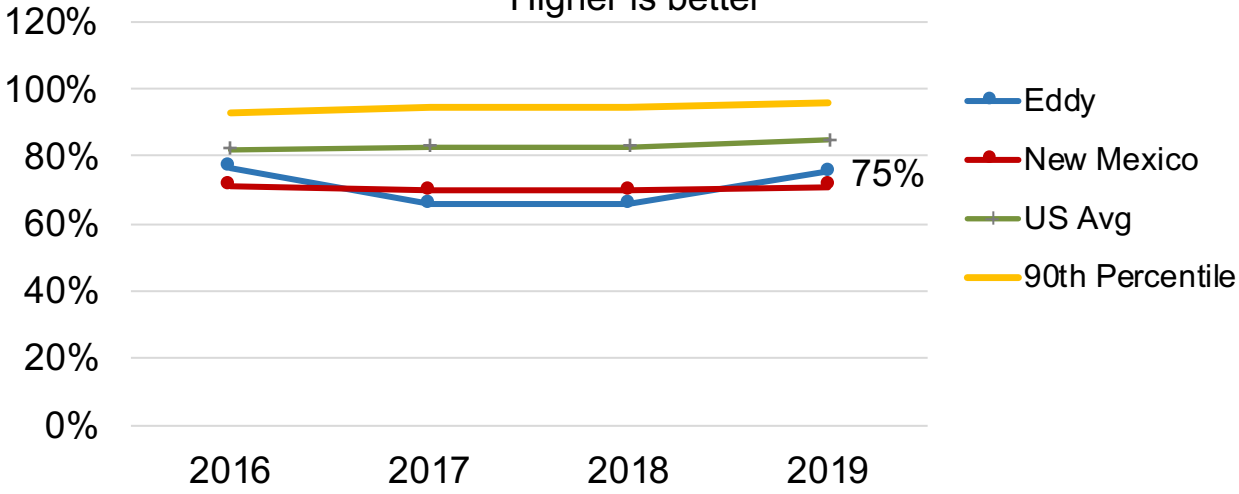
(lower is better)



Social & Economic Factors

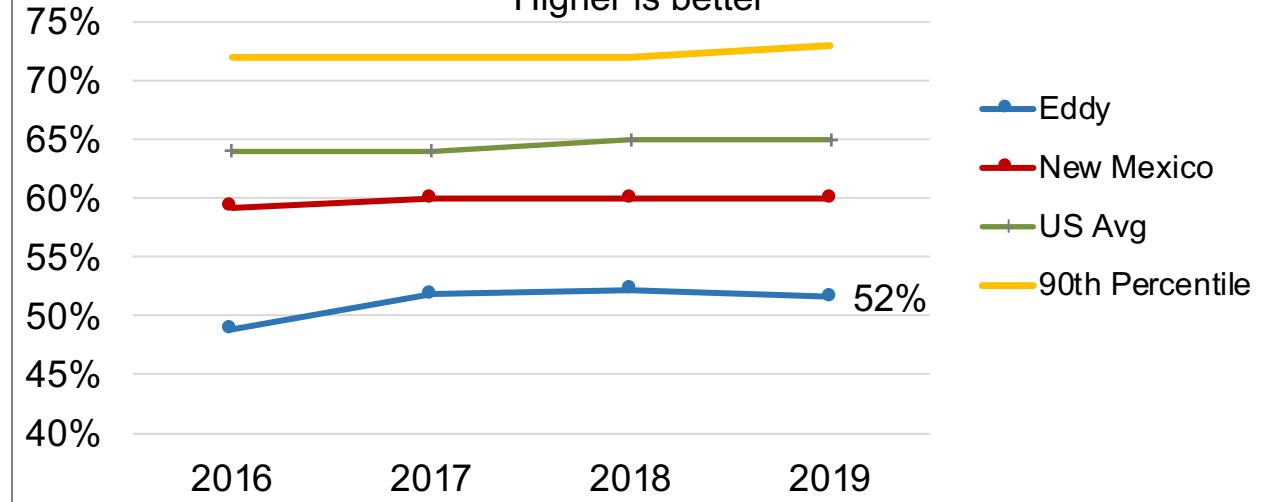
★ High school graduation

(% of 9th grade cohort graduating in 4 yrs)
Higher is better



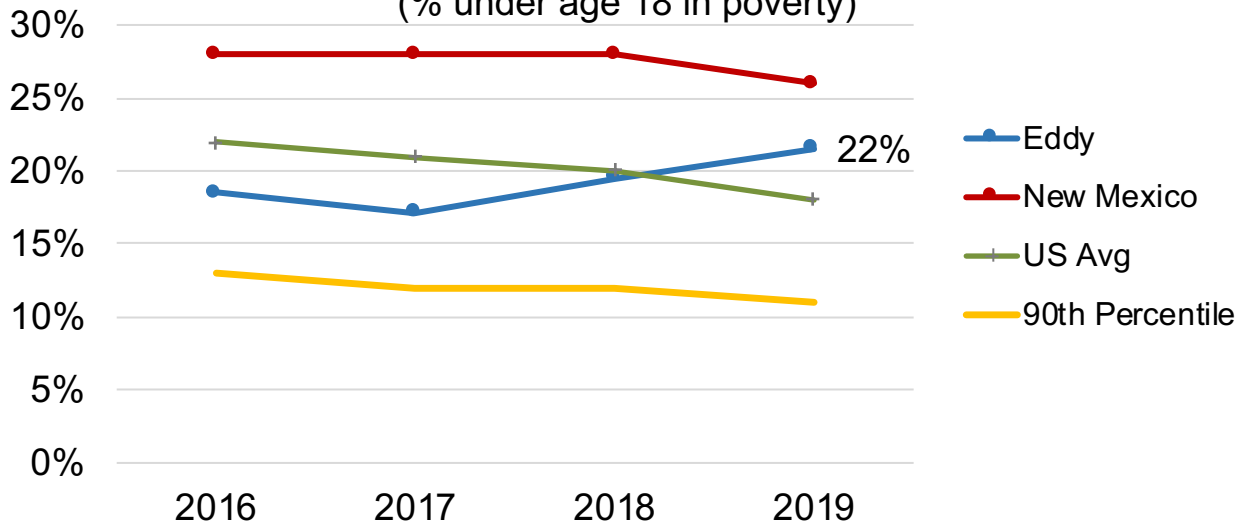
● Some college

(% of adults 35-44 with some postsecondary ed)
Higher is better



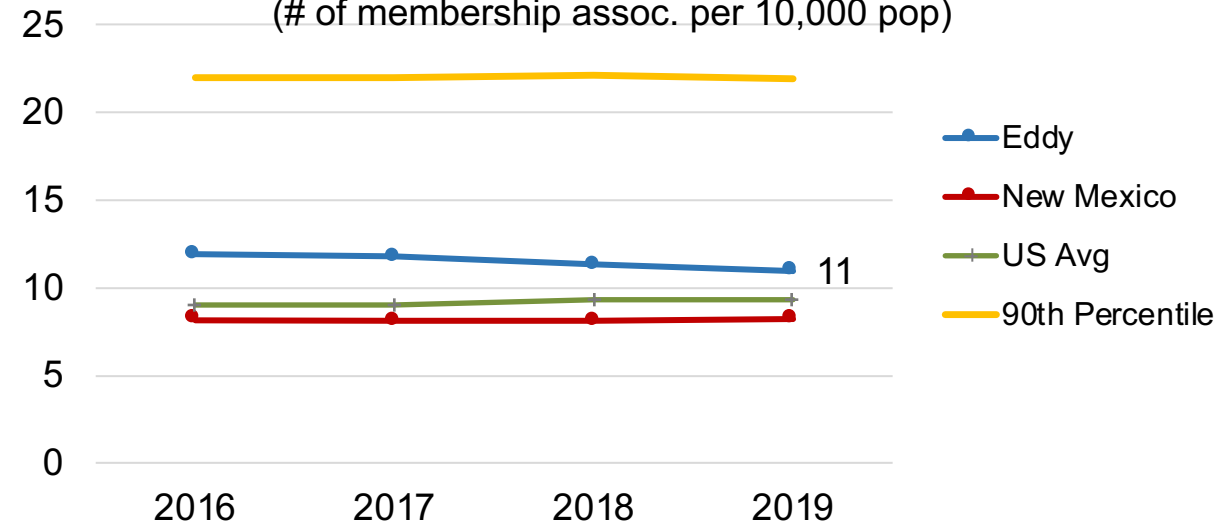
★ Children in poverty

(% under age 18 in poverty)



★ Social associations

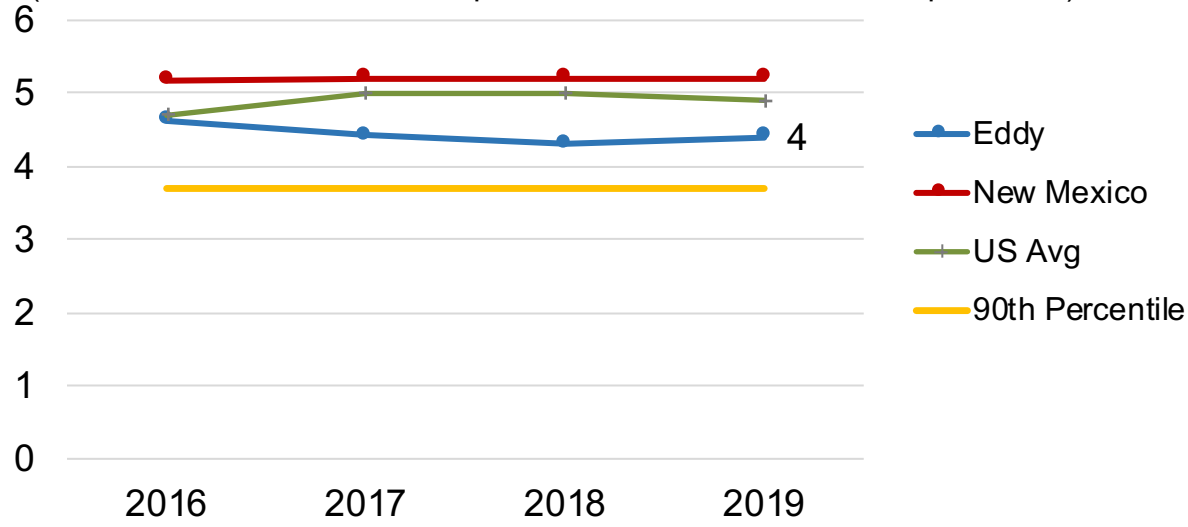
(# of membership assoc. per 10,000 pop)



Social & Economic Factors

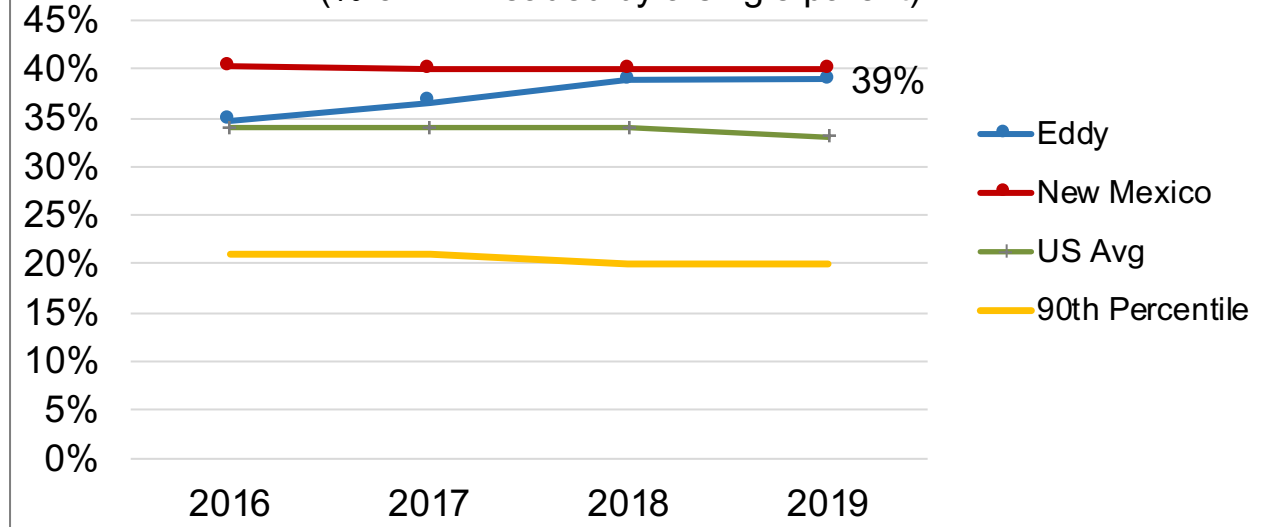
★ Income Inequality

(ratio of HH income at the 80th percentile to income at the 20th percentile)



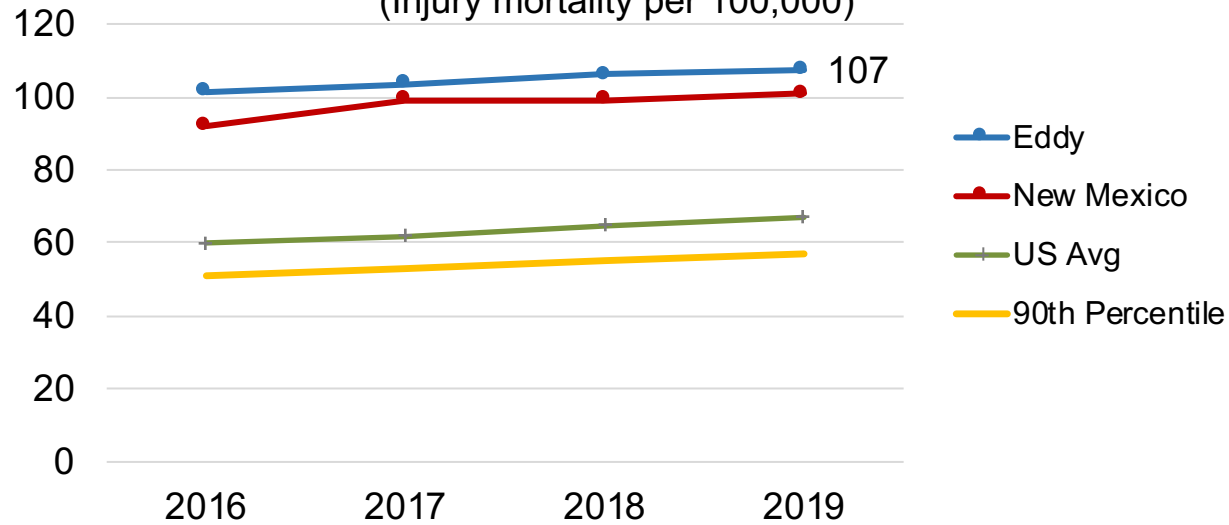
★ Children in single-parent households

(% of HH headed by a single parent)



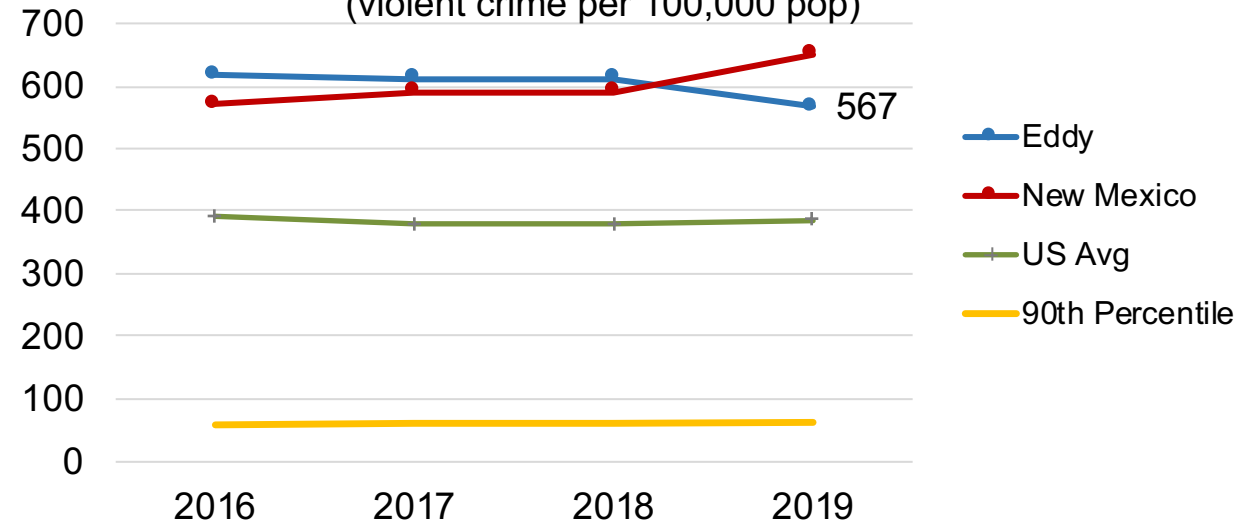
● Injury deaths

(Injury mortality per 100,000)



★ Violent crime rate

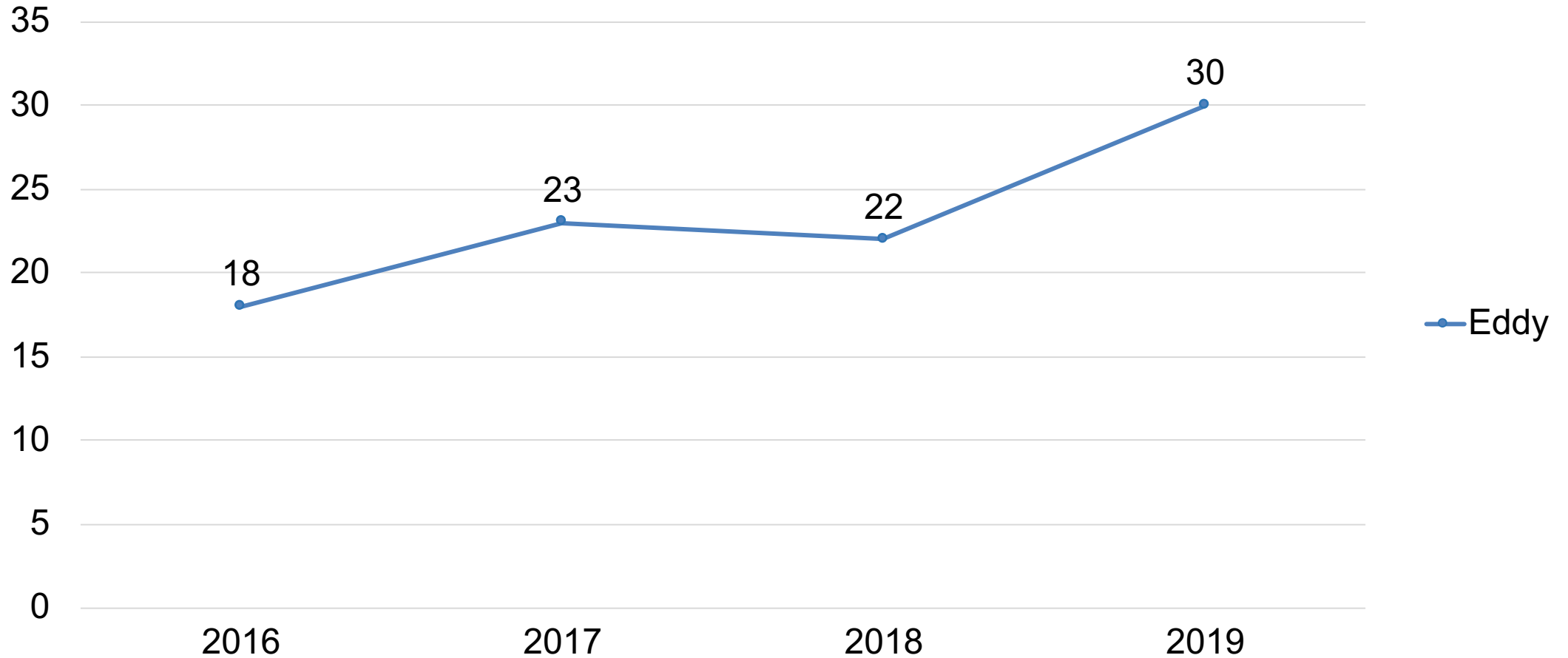
(violent crime per 100,000 pop)



Physical Environment Rank

Physical Environment Rank

(lower is better)



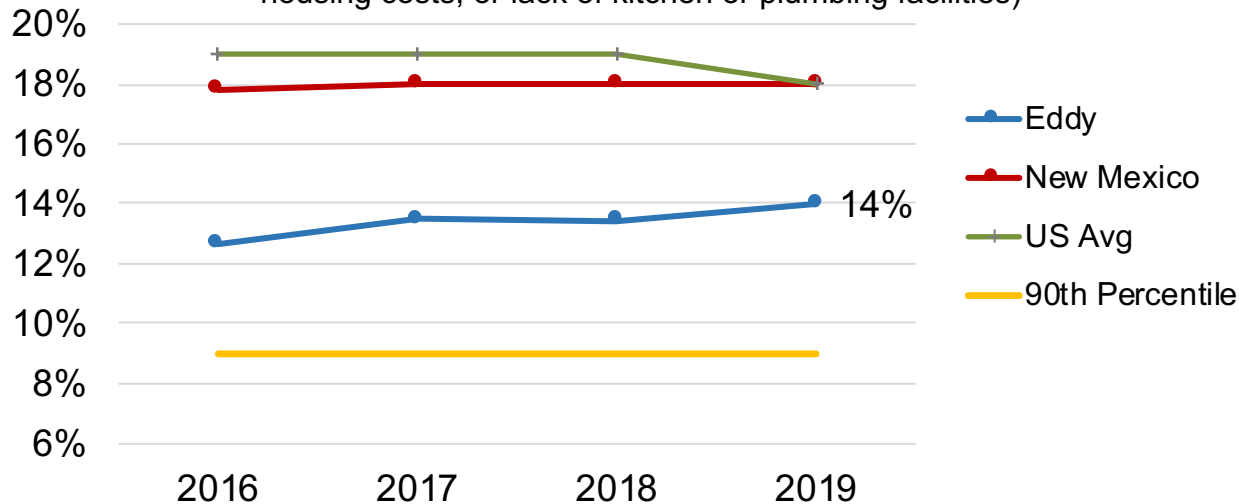
Physical Environment

● Drinking water violations

	2017	2018	2019
Eddy County	Yes	Yes	Yes

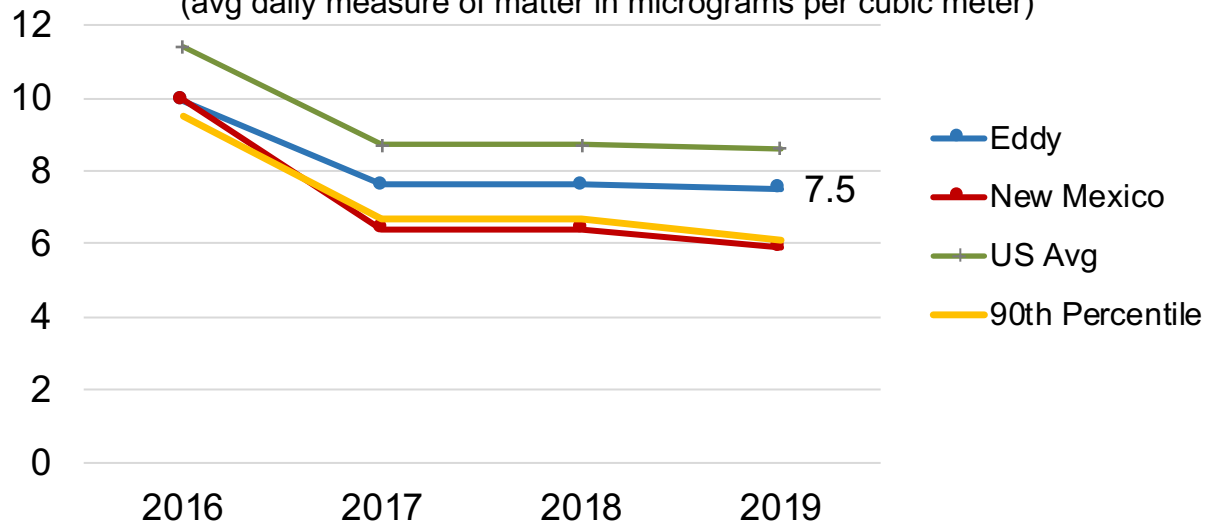
★ Severe housing problems

(% of hh with at least 1 of 4 housing problems: overcrowding, high housing costs, or lack of kitchen or plumbing facilities)



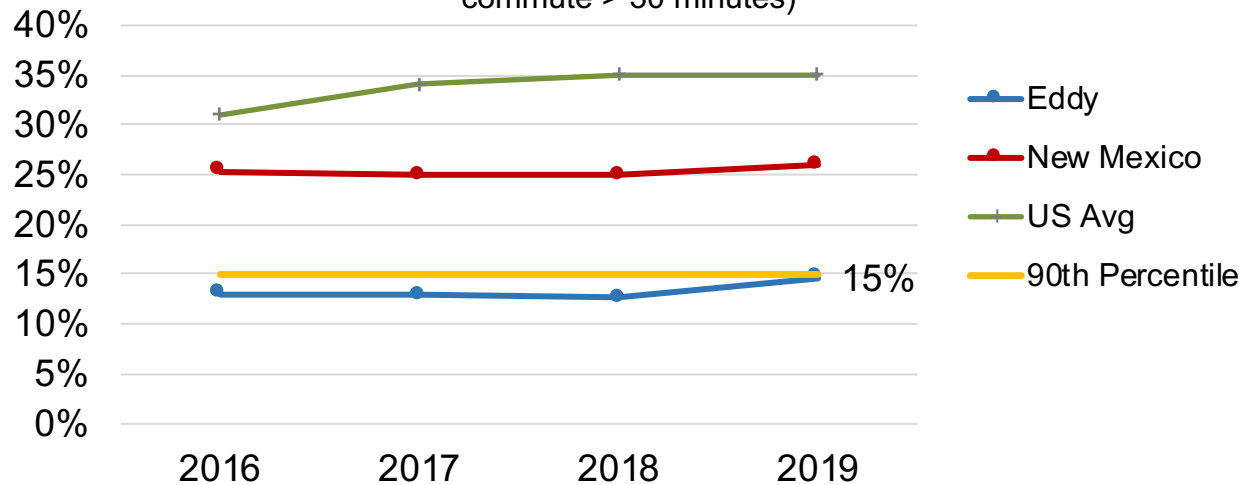
● Air pollution - particulate matter

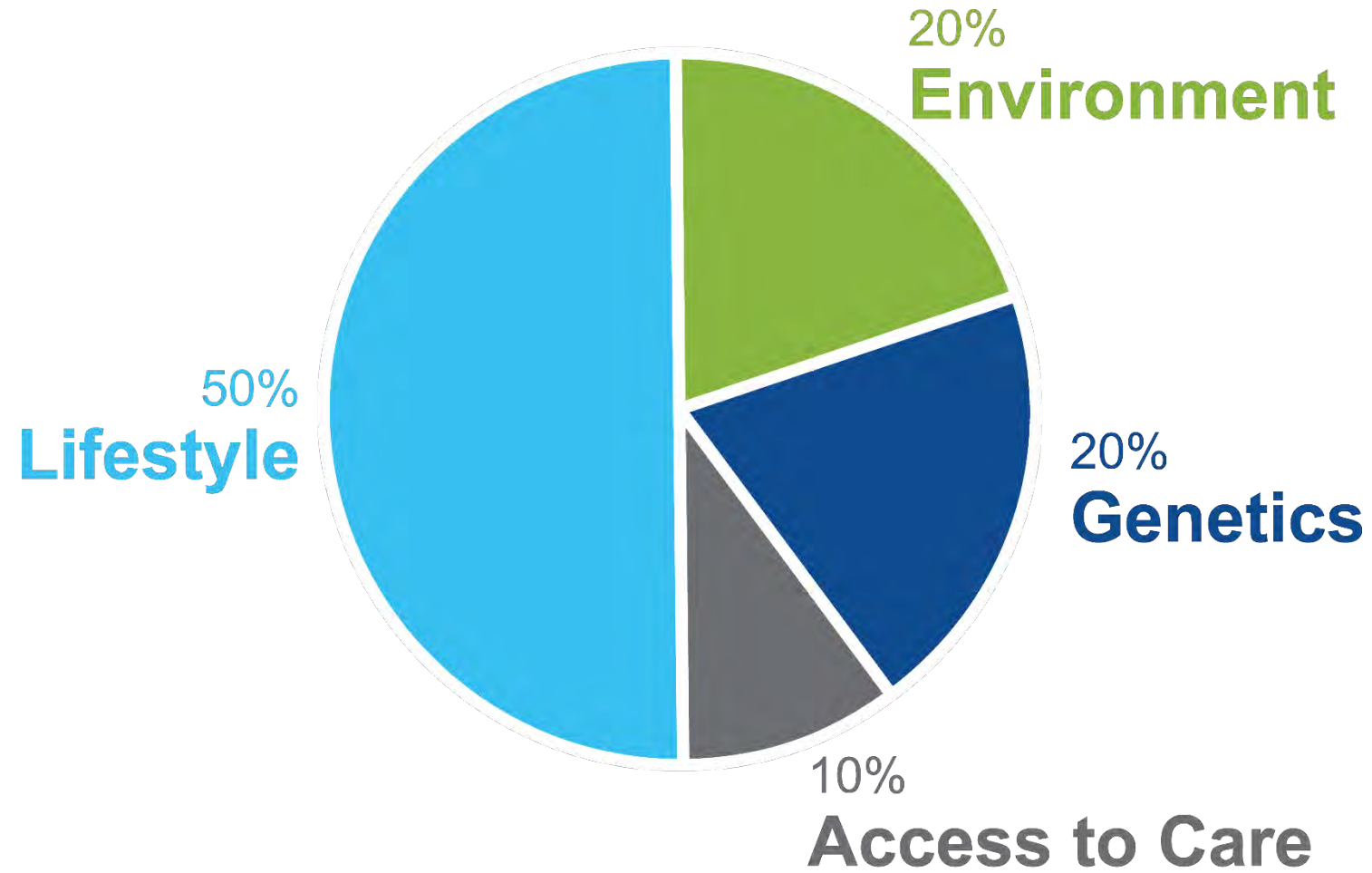
(avg daily measure of matter in micrograms per cubic meter)



★ Long commute- driving alone

(among workers who commute alone, the % that commute > 30 minutes)





2016 CHNA

- Access to care
- Chronic diseases
- Obesity
- Smoking
- Mental health
- Substance abuse

Community Survey

- Mental health
- Access to care – more primary care and specialists, more walk-in availability
- Substance use disorder
- Chronic diseases
- More healthy eating, active living options
- Obesity
- Affordable health insurance
- Affordable healthcare

Secondary Data

- Smoking
- Obesity
- Physical inactivity
- Low rate of high school graduation
- High violent crime rate
- High air pollution (particulate matter)
- Access to primary care, dentists and mental health providers
- Excessive drinking
- Teen birth rate
- Injury deaths



Thank You!

Next Steps:

- *Implementation Plan*
- *Community Health Report*

A network diagram background consisting of various sized circles (nodes) connected by thin lines (edges). Some nodes are solid, some are dashed, and some are double-lined. The connections form a complex, interconnected web.

Appendix

Additional Data

Original Sources CHR

These are the measures, sources and years of data used for the County Health Ranking measures.

2018 County Health Rankings: Ranked Measure Sources and Years of Data

Measure	Source	Years of Data	
HEALTH OUTCOMES			
Length of Life	Premature death	National Center for Health Statistics – Mortality files	2013-2015
Quality of Life	Poor or fair health	Behavioral Risk Factor Surveillance System	2016
	Poor physical health days	Behavioral Risk Factor Surveillance System	2016
	Poor mental health days	Behavioral Risk Factor Surveillance System	2016
	Low birthweight	National Center for Health Statistics – Natality files	2010-2016
HEALTH FACTORS			
HEALTH BEHAVIORS			
Tobacco Use	Adult smoking	Behavioral Risk Factor Surveillance System	2016
Diet and Exercise	Adult obesity	CDC Diabetes Interactive Atlas	2014
	Food environment index	USDA Food Environment Atlas, Map the Meal Gap	2015
	Physical inactivity	CDC Diabetes Interactive Atlas	2014
	Access to exercise opportunities	Business Analyst, Delorme map data, ESRI, & US Census Files	2010 & 2016
Alcohol and Drug Use	Excessive drinking	Behavioral Risk Factor Surveillance System	2016
	Alcohol-impaired driving deaths	Fatality Analysis Reporting System	2012-2016
Sexual Activity	Sexually transmitted infections	National Center for HIV/AIDS, Viral Hepatitis, STD, and TB Prevention	2015
	Teen births	National Center for Health Statistics – Natality files	2010-2016
CLINICAL CARE			
Access to Care	Uninsured	Small Area Health Insurance Estimates	2015
	Primary care physicians	Area Health Resource File/American Medical Association	2015
	Dentists	Area Health Resource File/National Provider Identification file	2016
	Mental health providers	CMS, National Provider Identification file	2017
Quality of Care	Preventable hospital stays	Dartmouth Atlas of Health Care	2015
	Diabetes monitoring	Dartmouth Atlas of Health Care	2014
	Mammography screening	Dartmouth Atlas of Health Care	2014
SOCIAL AND ECONOMIC FACTORS			
Education	High school graduation	EDFacts	2014-2015
	Some college	American Community Survey	2012-2016
Employment	Unemployment	Bureau of Labor Statistics	2016
Income	Children in poverty	Small Area Income and Poverty Estimates	2016
	Income inequality	American Community Survey	2012-2016
Family and Social Support	Children in single-parent households	American Community Survey	2012-2016
	Social associations	County Business Patterns	2015
Community Safety	Violent crime	Uniform Crime Reporting – FBI	2012-2014
	Injury deaths	CDC WONDER mortality data	2012-2016
PHYSICAL ENVIRONMENT			
Air and Water Quality	Air pollution – particulate matter*	Environmental Public Health Tracking Network	2012
	Drinking water violations	Safe Drinking Water Information System	2016
Housing and Transit	Severe housing problems	Comprehensive Housing Affordability Strategy (CHAS) data	2010-2014
	Driving alone to work	American Community Survey	2012-2016
	Long commute – driving alone	American Community Survey	2012-2016

