

Consequences of Substance Abuse In
New Mexico & Rio Arriba County

for the
Behavioral Health Subcommittee
of the
Legislative Health and Human Services Committee

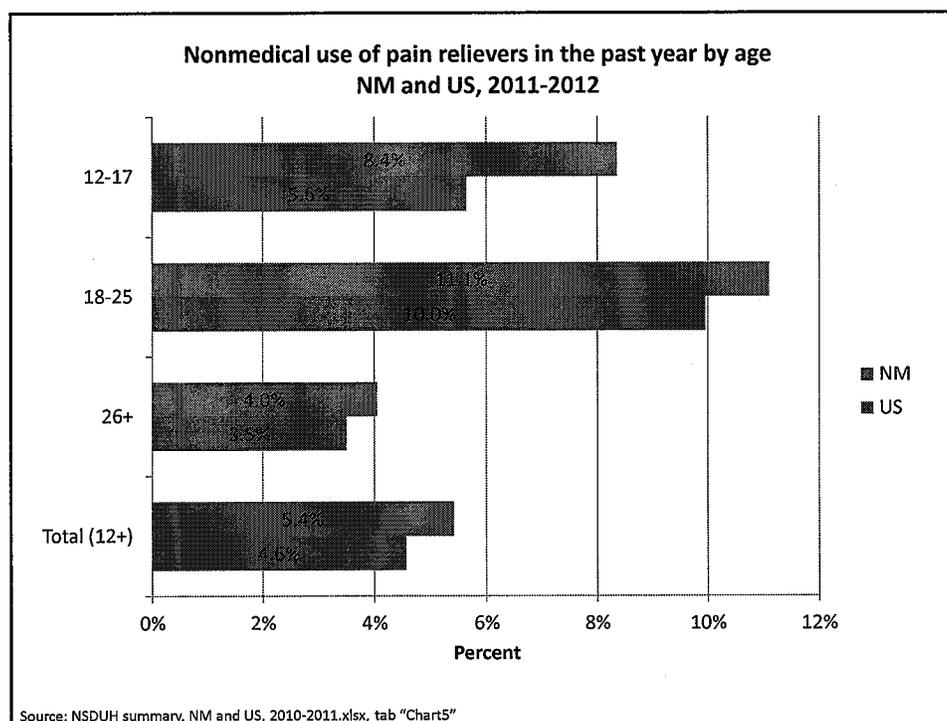
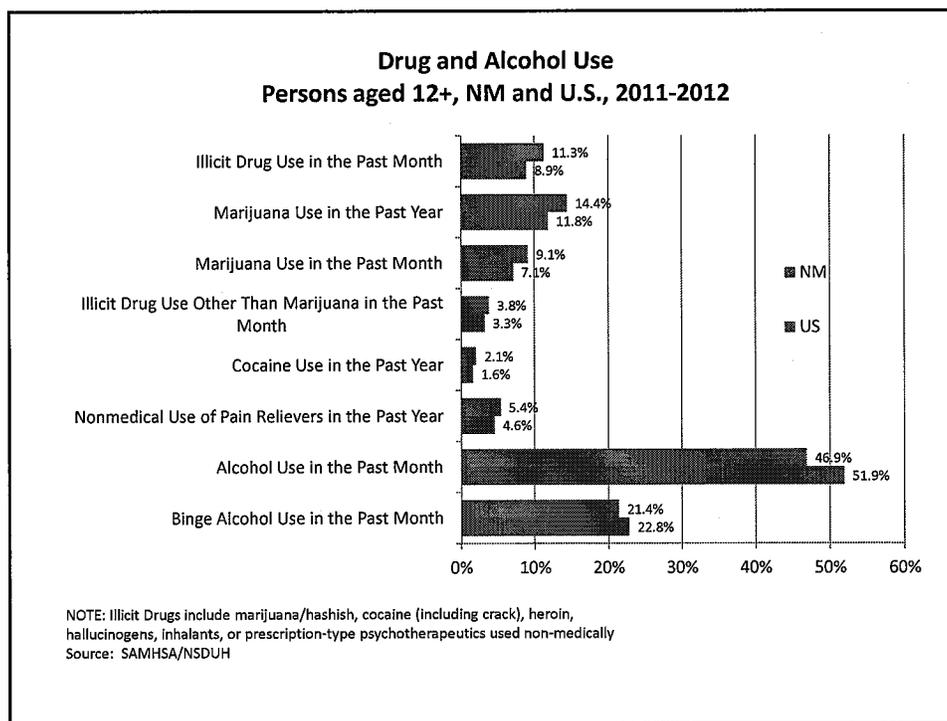
Michael Landen, MD, MPH

State Epidemiologist

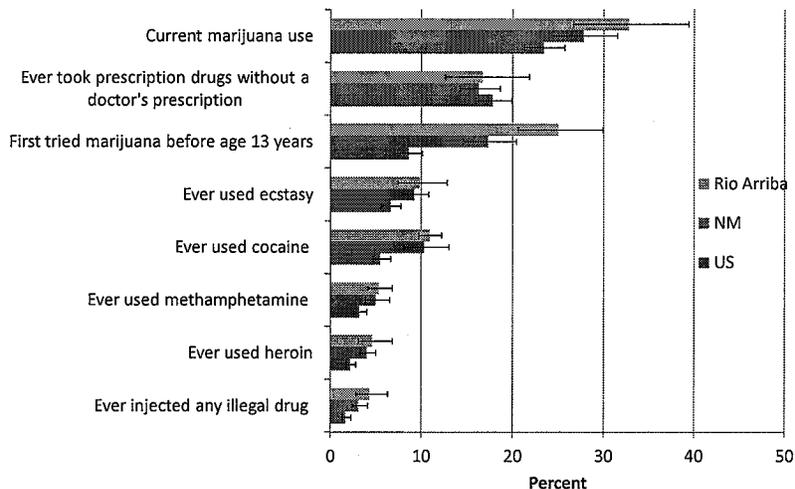
July 24, 2014



**PREVALENCE OF DRUG AND
ALCOHOL USE**

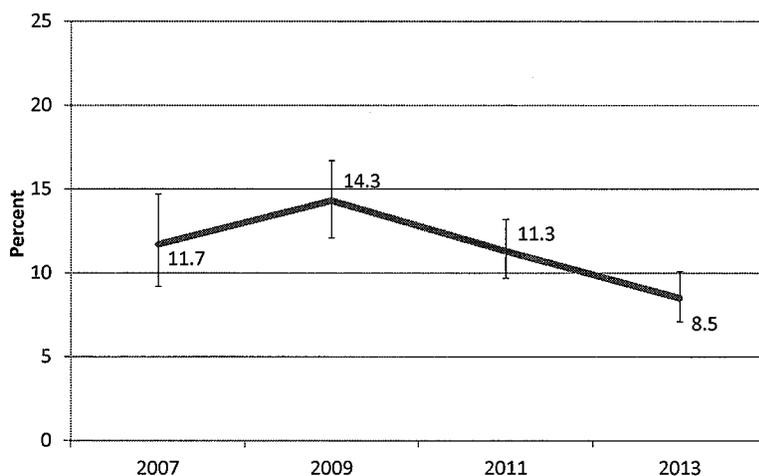


Drug Use Indicators, Grades 9-12, Rio Arriba County, NM and U.S., 2013



Source: NM Youth Risk and Resiliency Survey (YRRS), NM DOH and PED

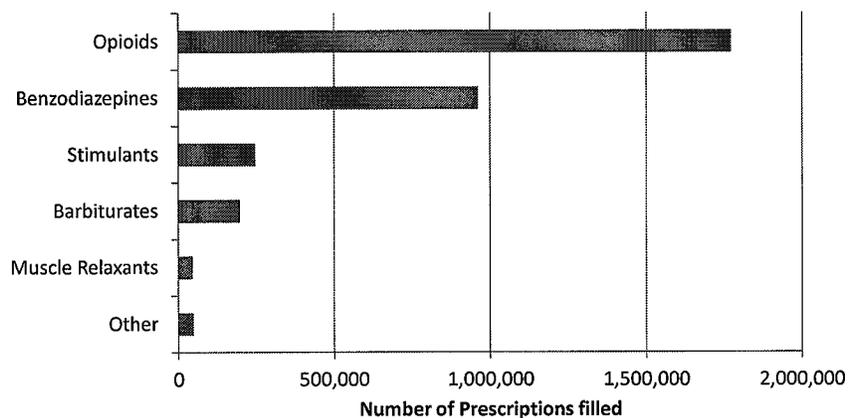
Past 30-day Painkiller Use to Get High Grades 9-12, New Mexico, 2007-2013



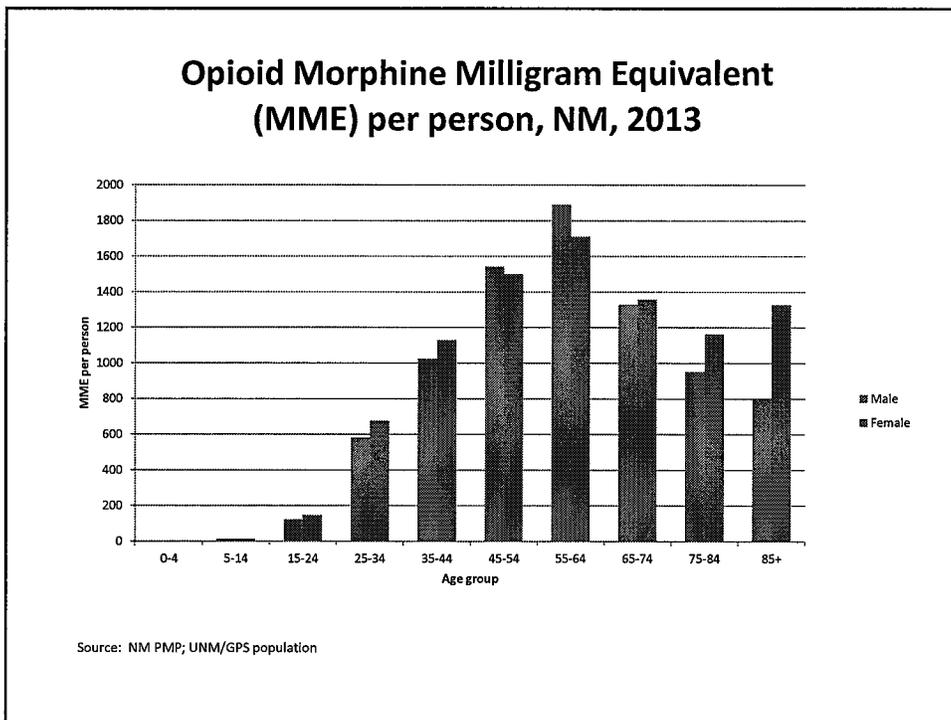
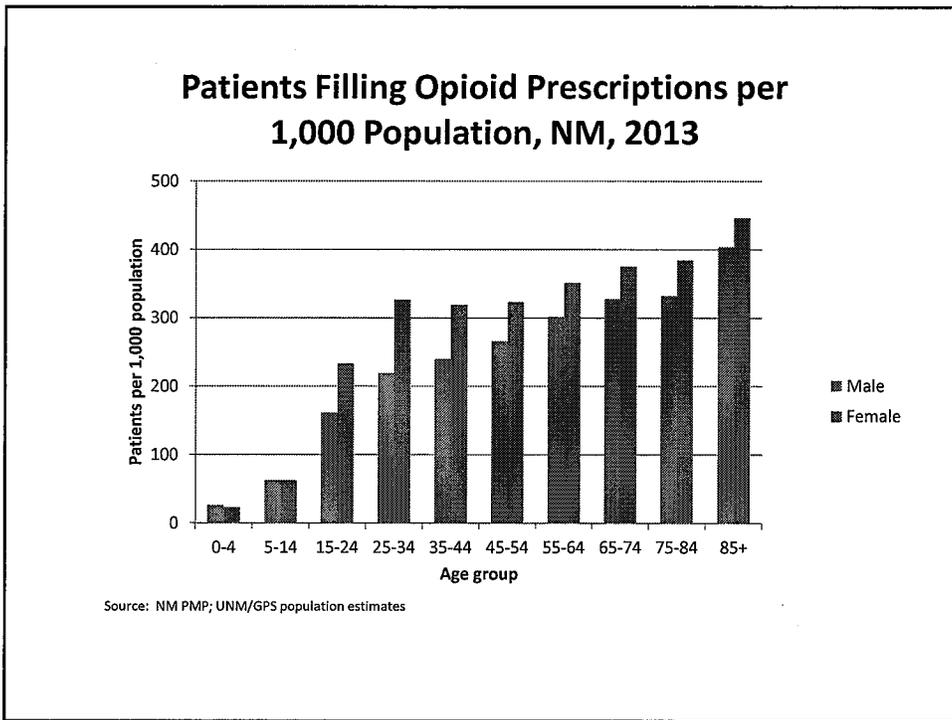
Source: NM Youth Risk and Resiliency Survey (YRRS), NM DOH and PED

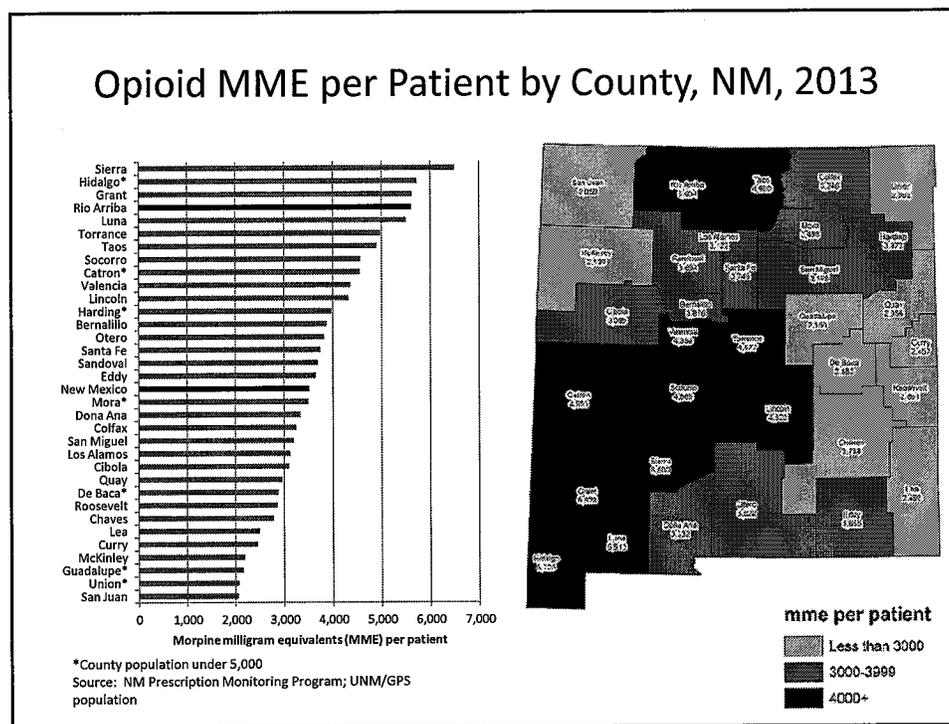
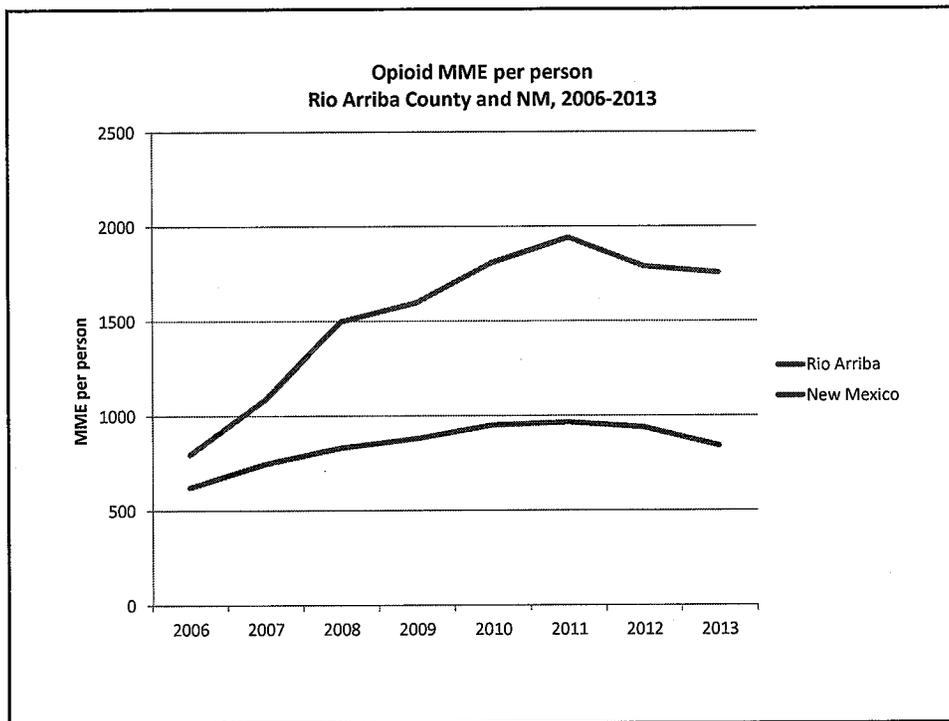
CONTROLLED SUBSTANCE PRESCRIBING

Prescriptions Reported to the PMP NM, 2013

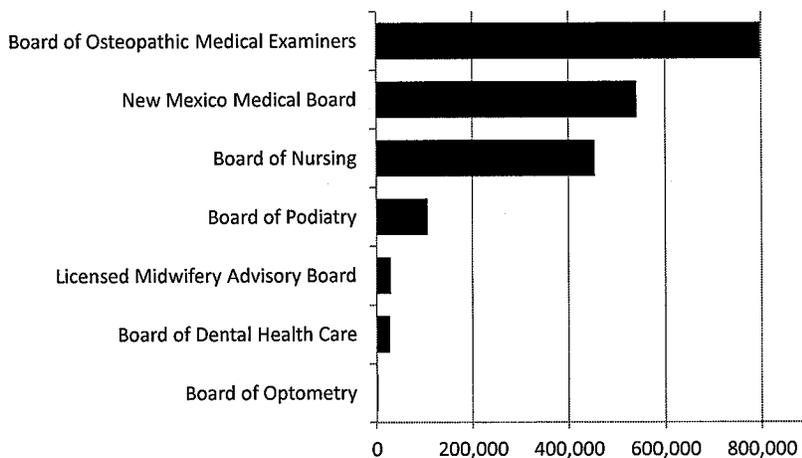


Source: NM PMP

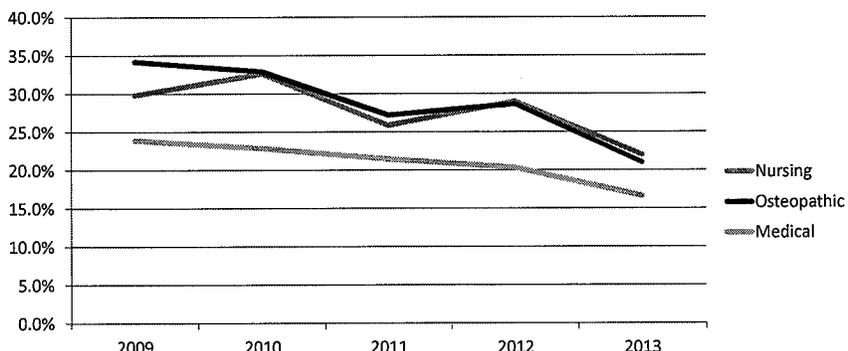




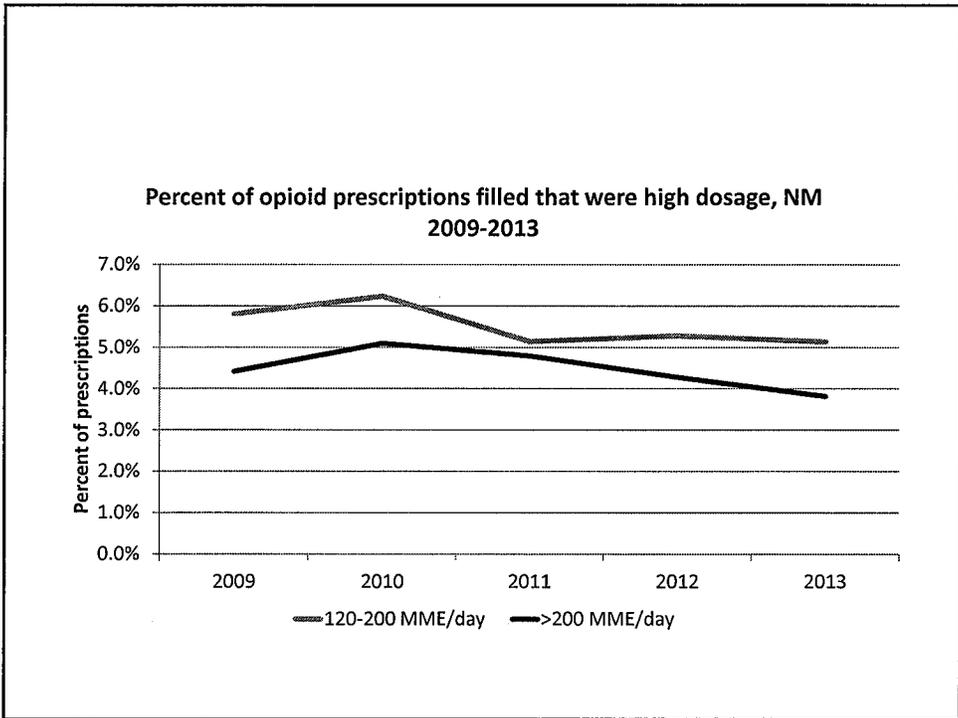
Opioid MME per prescriber, by Board, NM, 2013



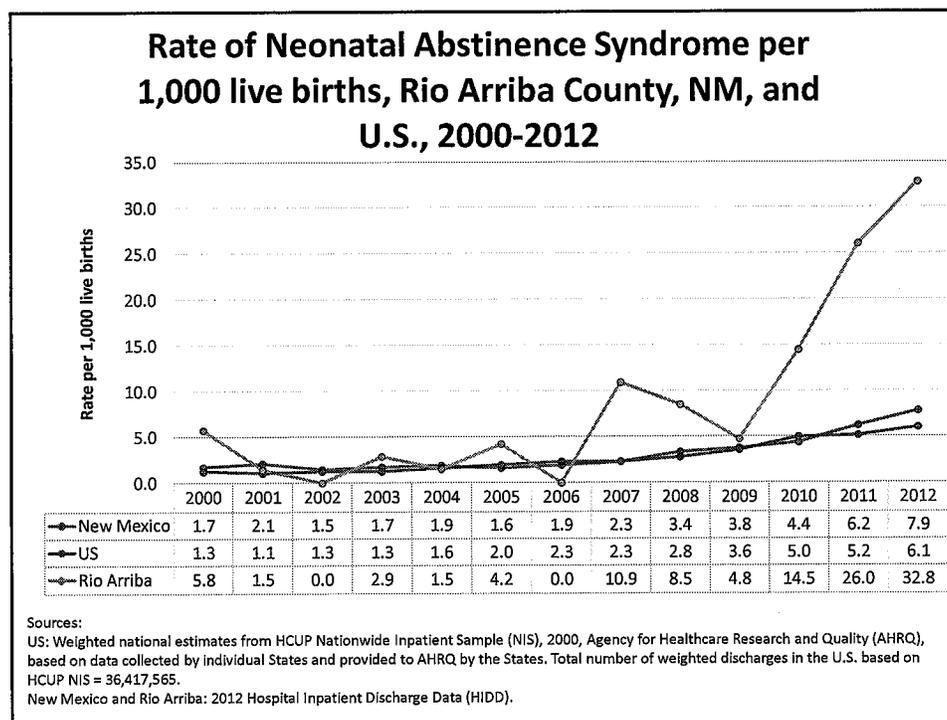
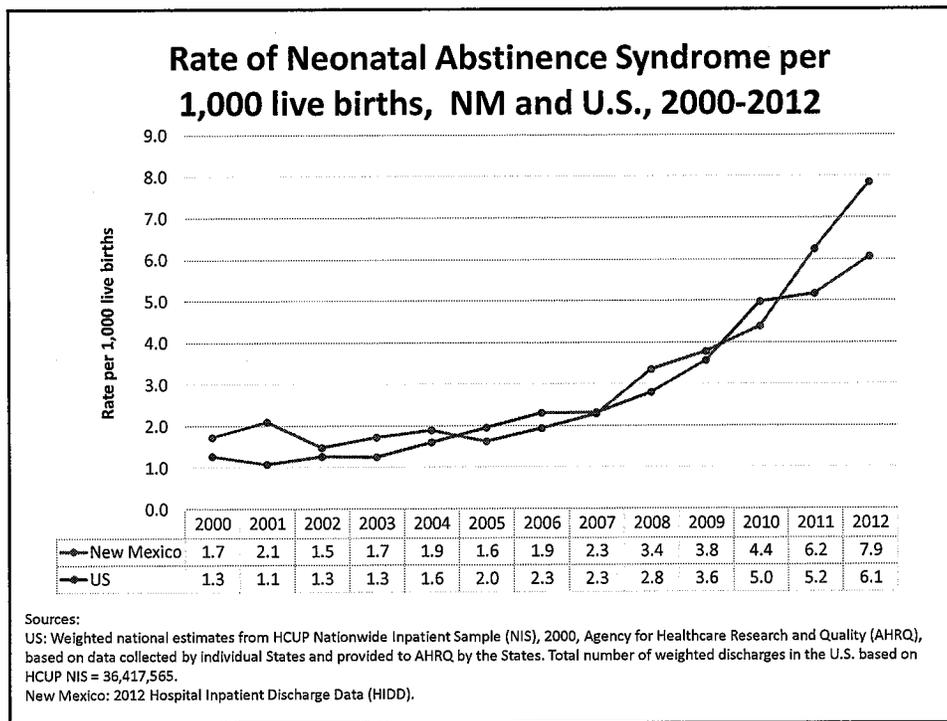
Percent of opioid prescribers who prescribed the Trio: an opioid, a benzodiazepine and carisoprodol, by Board, NM 2009-2013



Trio is the prescription of an opioid a benzodiazepine and carisoprodol to a patient in the same calendar month.

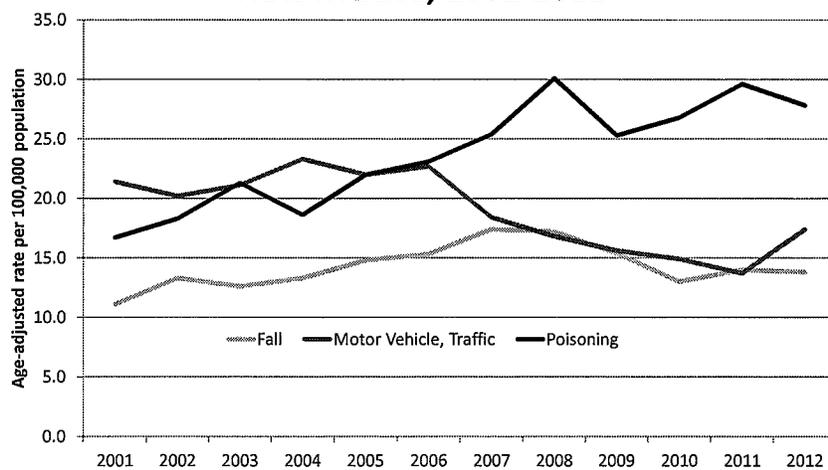


**NEONATAL ABSTINENCE
SYNDROME**



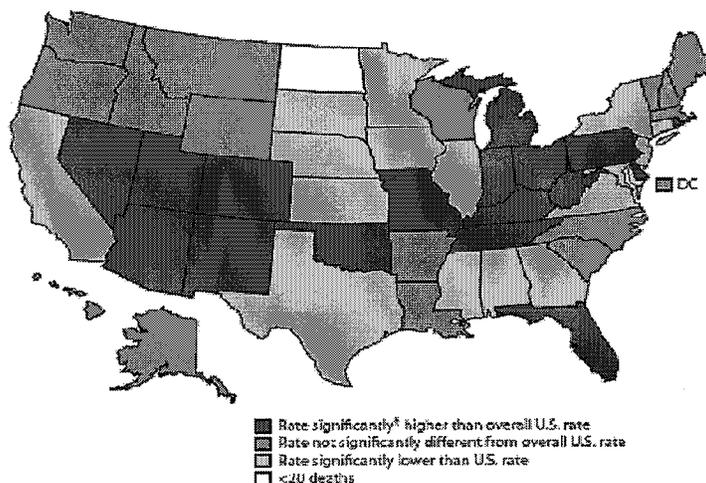
DRUG OVERDOSE DEATH

Leading Causes of Injury Death New Mexico, 2001-2012



Source: NMDOH BVRHS

Drug Poisoning Death Rates by State, US, 2011

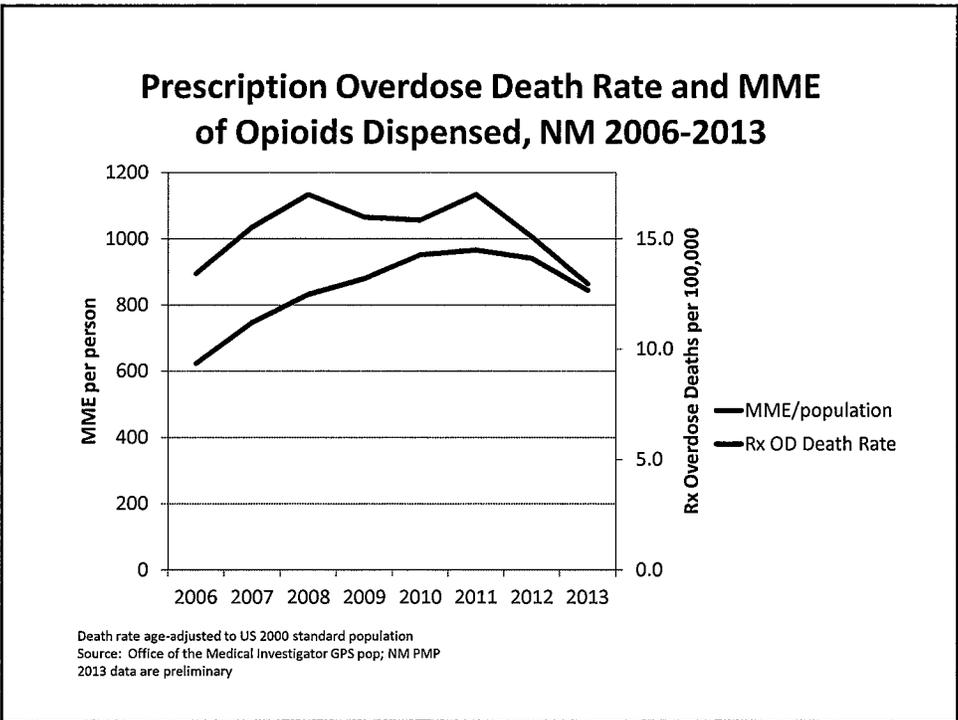
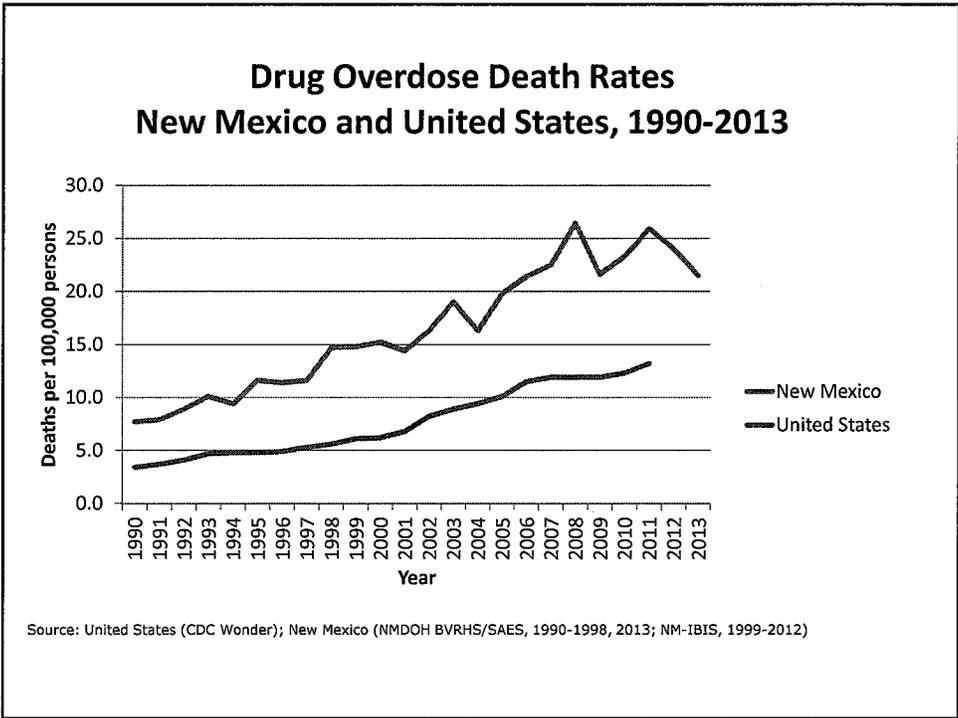


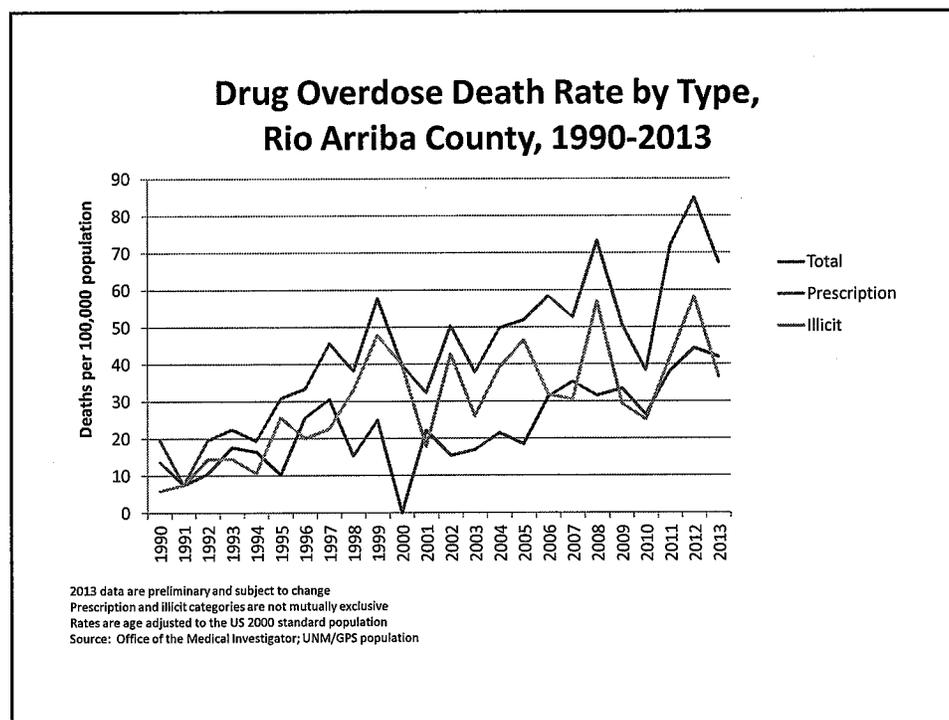
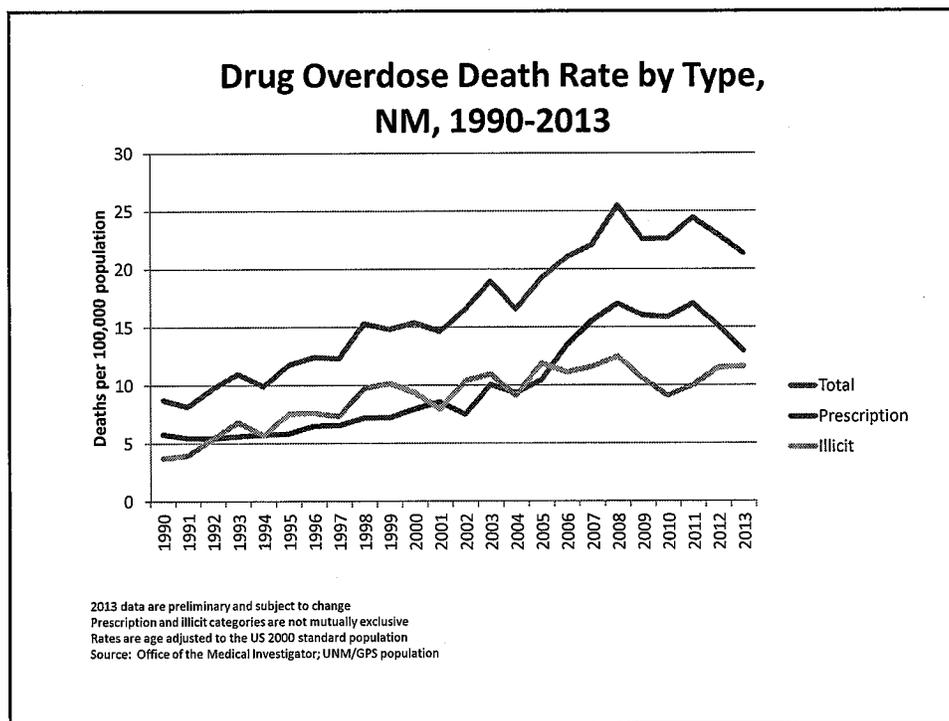
Source: CDC MMWR 63(26) p. 577

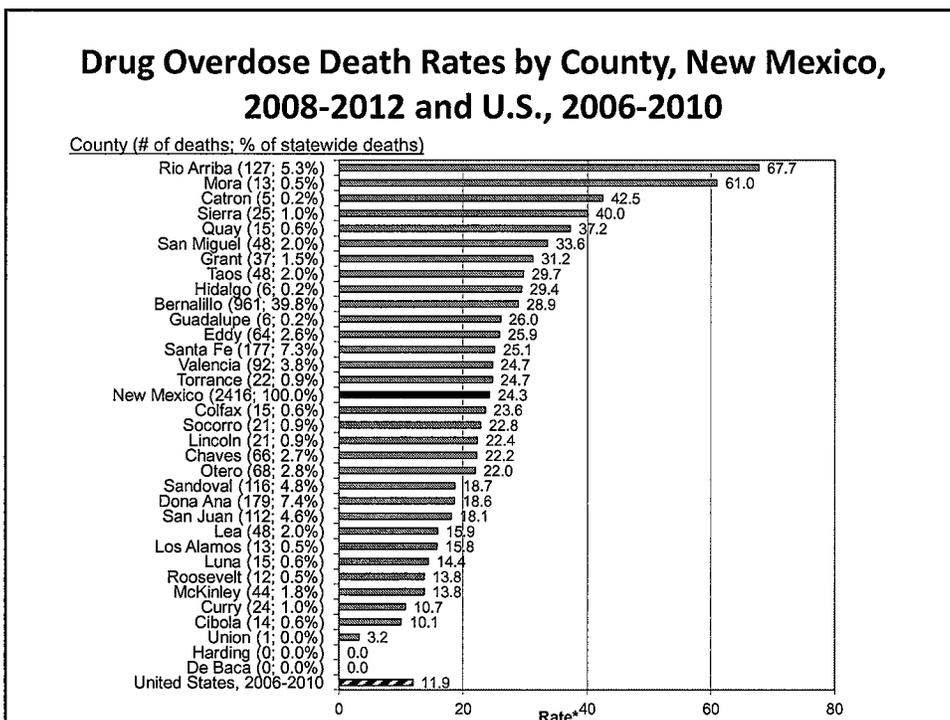
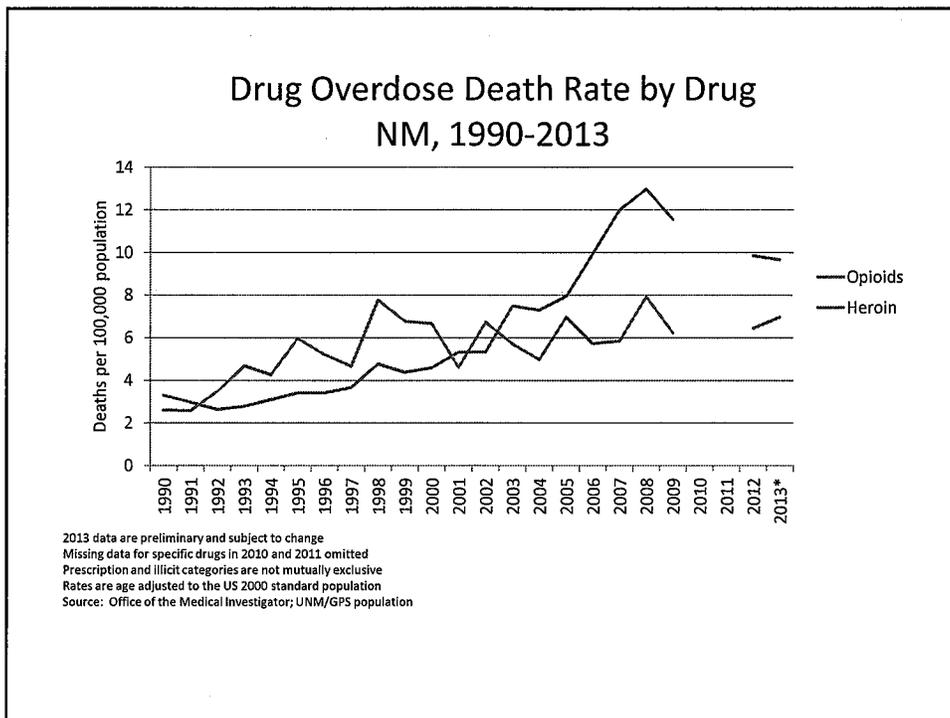
Drug Poisoning Death Rates Leading States, U.S., 2011

Rank	State	Deaths per 100,000
1	West Virginia	36.3
2	New Mexico	26.3
3	Kentucky	25.0
4	Nevada	22.8
5	Utah	19.5
	U.S.	13.2

Sources: CDC MMWR 63(26)
Rates are age-adjusted to the 2000 US Standard Population.



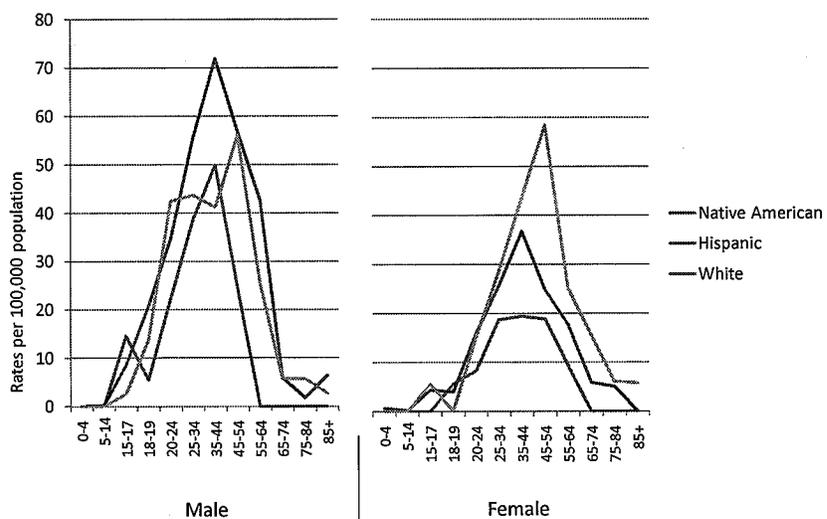




Top 5 Counties for Drug Overdose Death Rate, NM, 2013

County	Deaths	Death Rate
Sierra	8	70.4
Rio Arriba	26	67.4
Mora	2	57.0
Colfax	6	47.3
Lincoln	8	39.6

Drug Overdose Death Rates by Age, Sex, and Race New Mexico, 2008-2012



Source: NMDOH BVRHS

ALCOHOL

Excessive alcohol use is a public health issue

- 3rd leading cause of preventable death
 - Nationally, approximately 88,000 deaths per year
 - In New Mexico, nearly 1,200 deaths in 2012
- Substantial contribution to premature death
 - 1 in 10 deaths among working age adults is attributable to alcohol in the U.S.
 - 1 in 6 deaths among working age adults is attributable to alcohol in New Mexico
- Mortality has increased approximately 17% in New Mexico in the past two decades
 - From 46.6 deaths/100,000 in 1990 to 54.3 deaths/100,000 in 2012
 - Decreased approximately 10% in the U.S. (1990-2009)

Mokdad AH, JAMA, 2004; NMDOH BVRHS & UNM/GPS 1990-2012;
Stahre M, Prev Chronic Dis, 2014

Definitions of excessive drinking

➤ Binge drinking

- 4+ drinks at one time for women, 5+ for men
- Associated with car crashes, falls, homicide, suicide, domestic violence, sexual assault, and alcohol poisoning
- Most common pattern of excessive drinking
- Most binge drinkers are not alcohol dependent



New Mexican
adults who
binge drink

➤ Heavy drinking

- 2+ drinks per day for women or 3+ drinks per day for men
- Associated with alcohol dependence, chronic liver disease, several types of cancer, and domestic violence



New Mexican
adults who
drink heavily

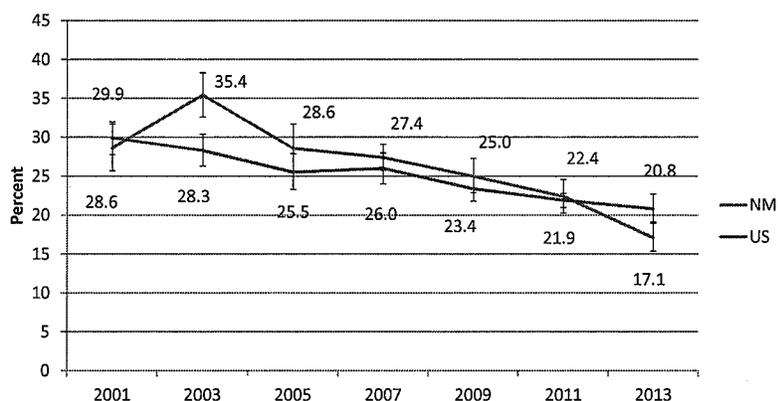
CDC www.cdc.gov/alcohol/index.htm; 2012 NMBRFSS

Definitions of excessive drinking continued

- Any alcohol consumption during pregnancy
 - In 2010, 6.4% of women reported drinking alcohol in the last trimester of pregnancy
 - Associated with miscarriage, stillbirth, and fetal alcohol spectrum disorders
- Any alcohol consumption under the age of 21
 - Binge drinking in youth: 1 in 5 New Mexico youth binge drink (5+ at one time)
 - About 90% of the alcohol consumed by youth under the age of 21 is in the form of binge drinks
 - Underage drinking is decreasing in New Mexico

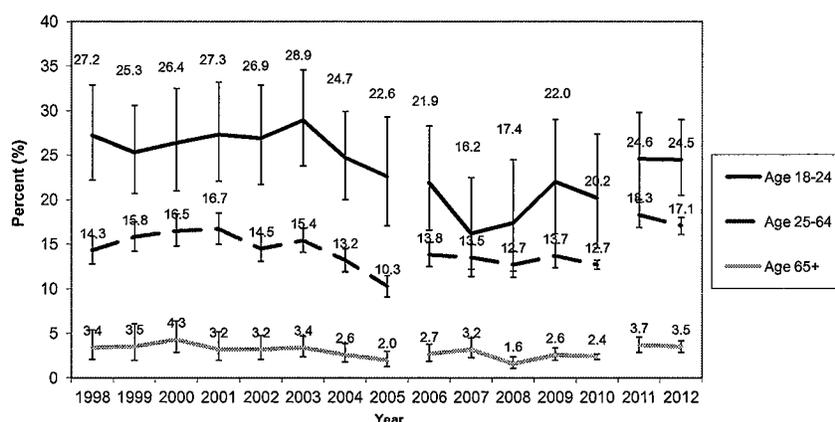
CDC www.cdc.gov/alcohol, www.cdc.gov/ncbddd/fasd/alcohol-use.html;
2011 YRRS; *The State of Health in New Mexico 2013*

Binge drinking grades 9-12, NM, 2001-2013

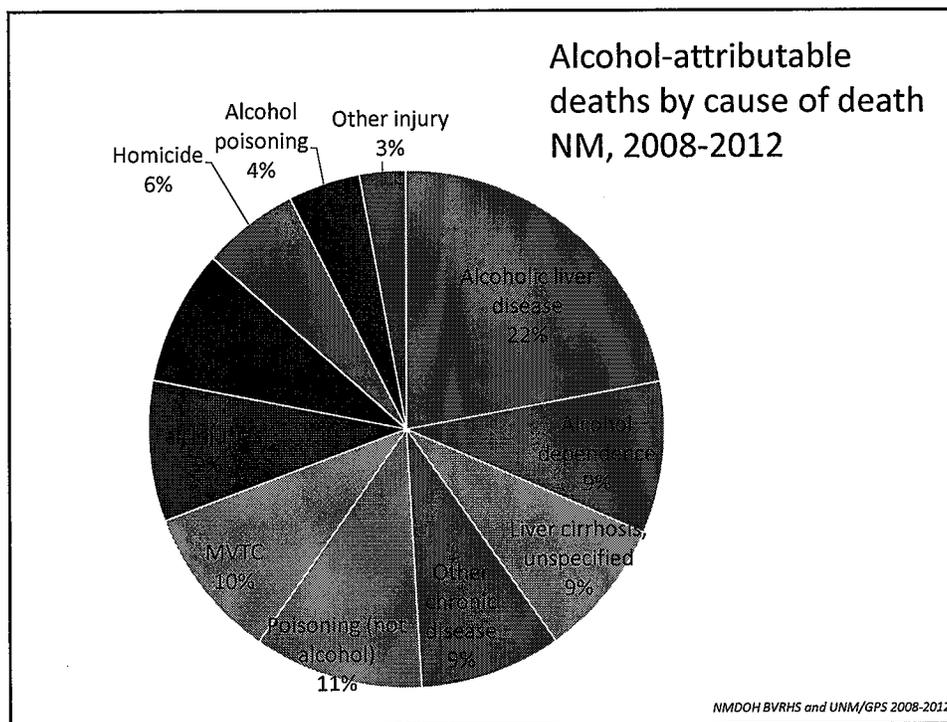
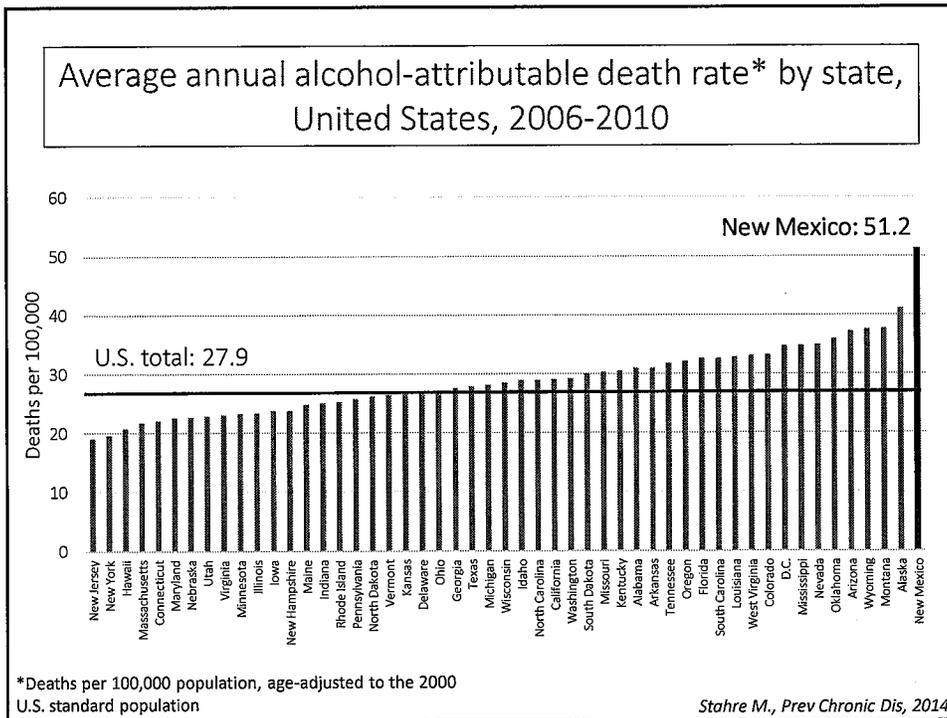


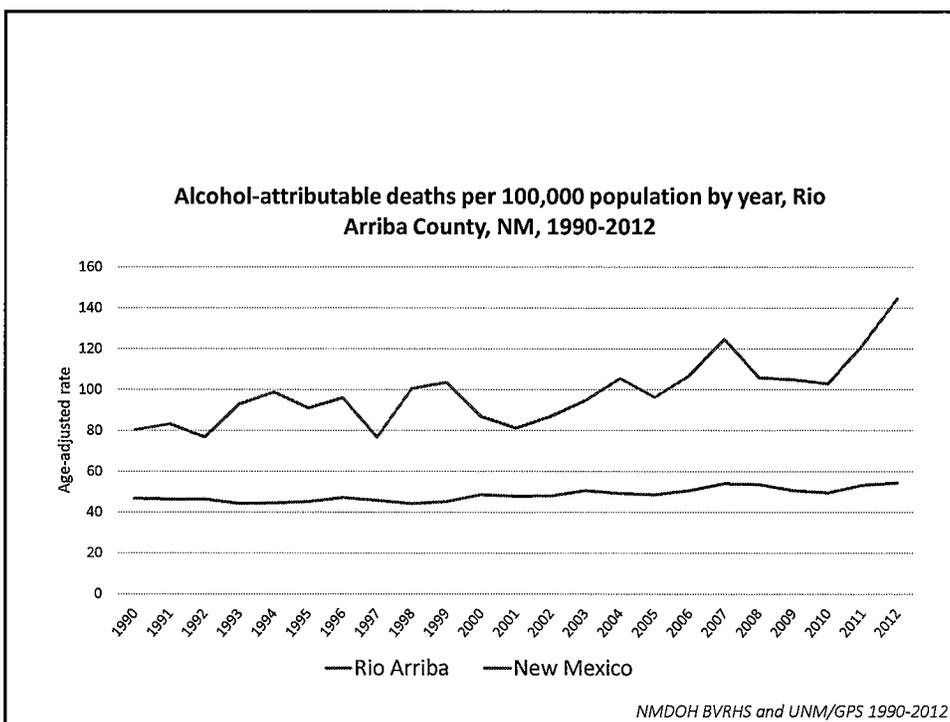
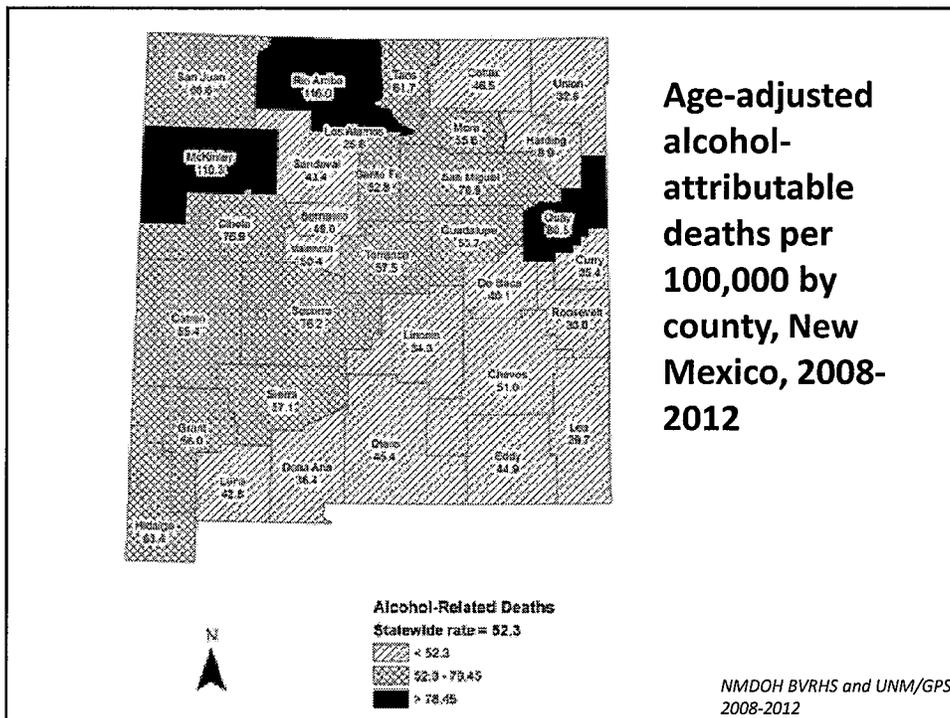
Binge drinking = had 5 or more drinks of alcohol in a row, or within a couple of hours, in the past 30 days
 Source: YRRS (NM); CDC YRBS (US); NMDOH Survey Section (NOTE: Brackets around reported rates are 95% confidence intervals)

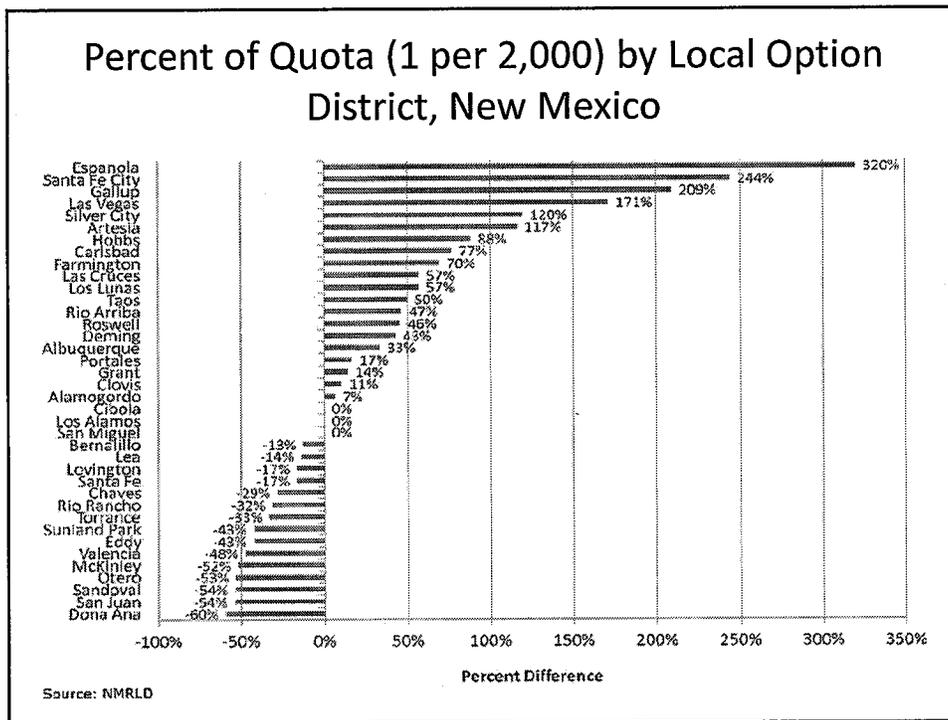
Adult binge drinking by year and age, NM, 1998-2012



Binge drinking definition: 1998-2005, drinking five or more drinks on an occasion at least once in past 30 days; 2006-present, drinking five or more drinks (for men) or four or more drinks (for women) on an occasion at least once in past 30 days
 BRFSS sampling and weighting methodology changed in 2011
 Source: BRFSS; SAES (NOTE: Brackets around reported rates are 95% confidence intervals)







Conclusions

- Today and historically, New Mexico has had the greatest burden of substance abuse of any state in the U.S.
- The death rate from alcohol is over twice as great at that for drug overdose and is rising
 - NM's rate is now 25% higher than the next state (AK)
- New Mexico has reduced the drug overdose death rate by 17% over the last 2 years largely due to reductions in opioid prescribing – lowest rate since 2006
- Controlled substance and alcohol use can be regulated more effectively in New Mexico

RECOMMENDATIONS

Recommendations: Drug Overdose

- Upgrade mandatory PMP use by health care providers through licensing boards
- Enhance feedback on dangerous prescribing to practitioners and their licensing boards
- Assure that naloxone is available to all at high risk of drug overdose
- Assess and address treatment infrastructure gaps in New Mexico

Recommendations: Alcohol

- Reduce consumption of alcohol in NM and particularly in high risk areas
 - Make use of data on deaths and alcohol sales to target high risk areas
- Promote evidence-based prevention strategies
 - Screening and brief intervention
 - Increase local control over alcohol outlet density
- Assess and address treatment infrastructure gaps in New Mexico