

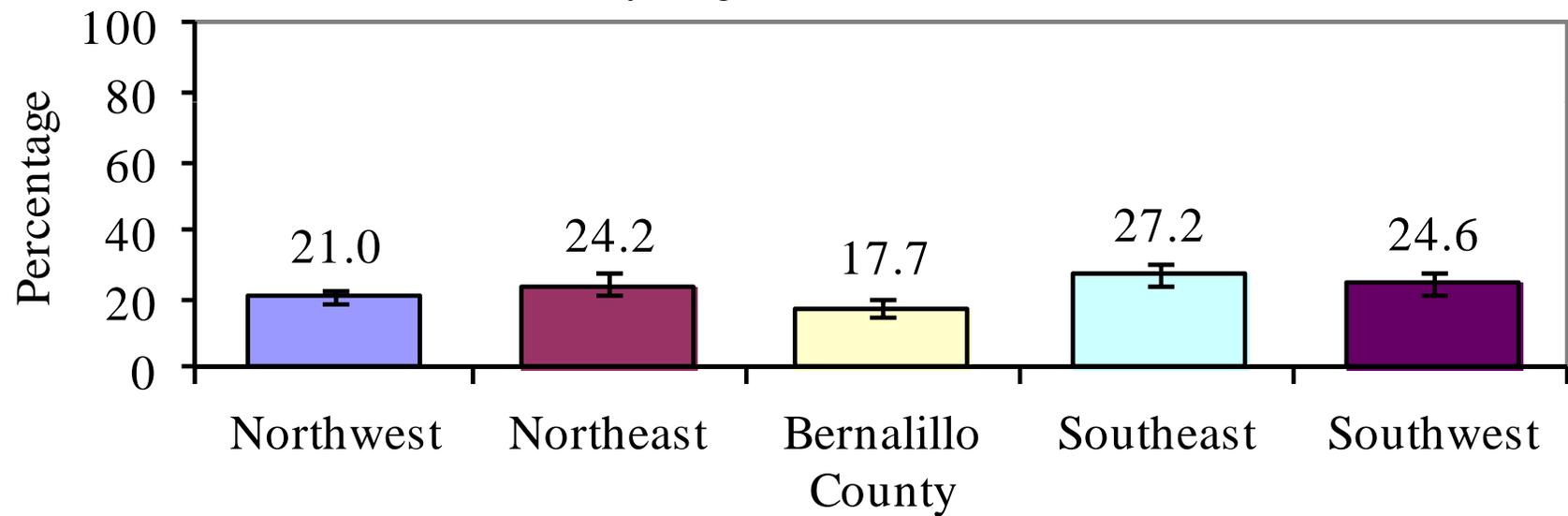
New Mexico Healthcare Workforce by Region

**Legislative Health and Human Services
Committee**

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State Epidemiologist
New Mexico Department of Health**

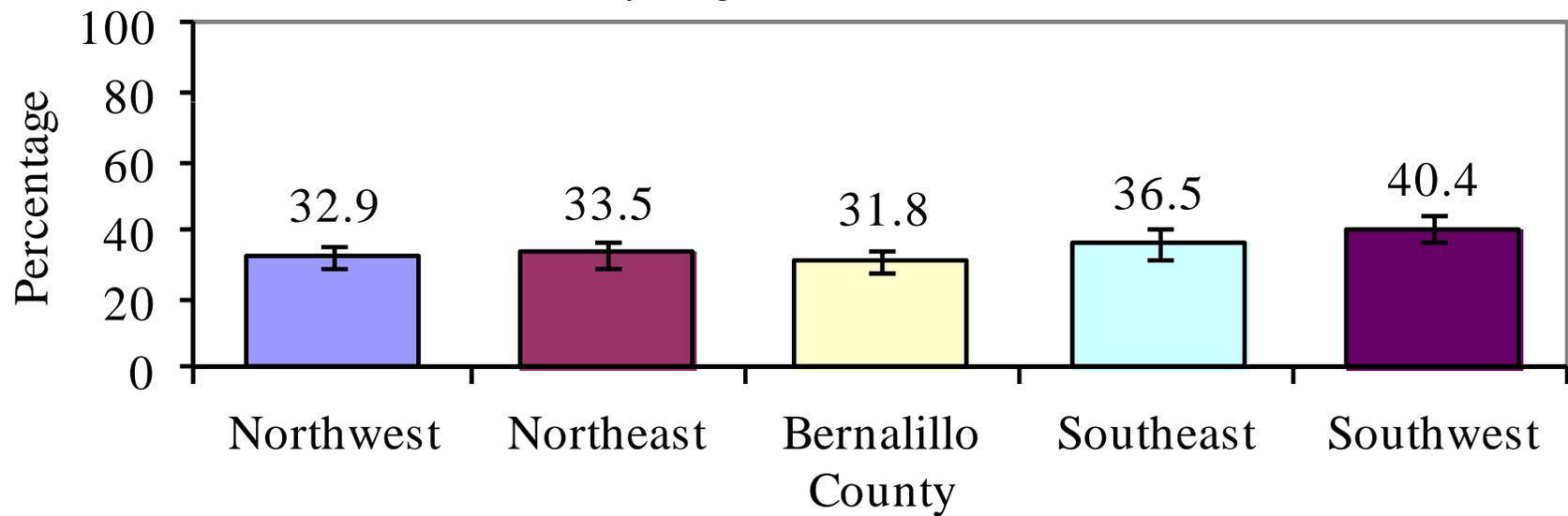
October 2, 2013

No Health Care Coverage, by Region, 2011



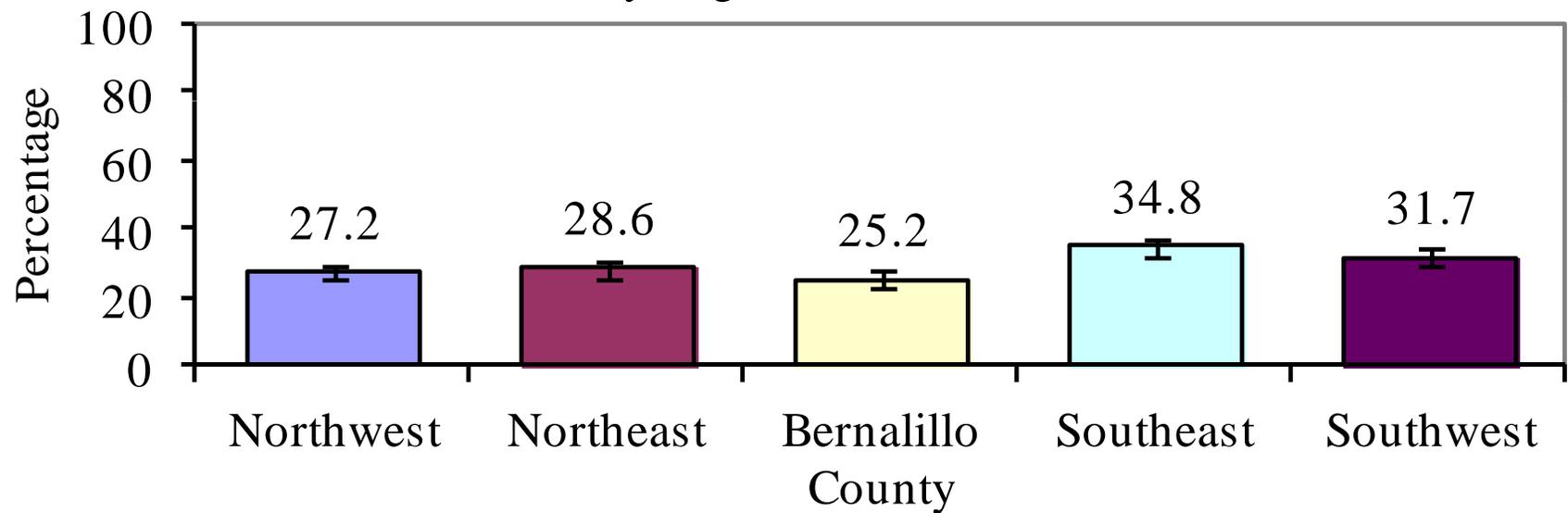
Source: NM BRFSS, NM DOH

No Cholesterol Check Within Past 5 Years, Age 18-64
by Region, 2011



Source: NM BRFSS, NM DOH

Diagnosed Hypertension, All Ages by Region, 2011



Source: NM BRFS, NM DOH

Diabetes Death, ED Visit and Hospitalization Rates* by Region, NM, 2010-11

NM Health Region	Deaths /100,000	ED Visits/100,000	Hospital Discharges/100,000
Northwest	36.2	287.1	145
Northeast	27.3	180.2	130
Metro	26.1	180.4	128
Southeast	28.3	450.4	184
Southwest	27.6	209.7	119
NM Total	27.7	236.2	137

*All rates age-adjusted to the 2000 U.S Standard Population

Source: NM Vital Records and Health Statistics and Morbidity Surveillance Program, NM DOH

Asthma Death, ED Visit and Hospitalization Rates* by Region, NM, 2007-11

NM Health Region	Deaths /100,000	ED Visits/100,000	Hospital Discharges/100,000
Northwest	0.5	518	8.2
Northeast	1.2	307	8.1
Metro	1.1	243	6.8
Southeast	1.0	576	14.3
Southwest	1.2	329	8.9

*All rates age-adjusted to the 2000 U.S Standard Population

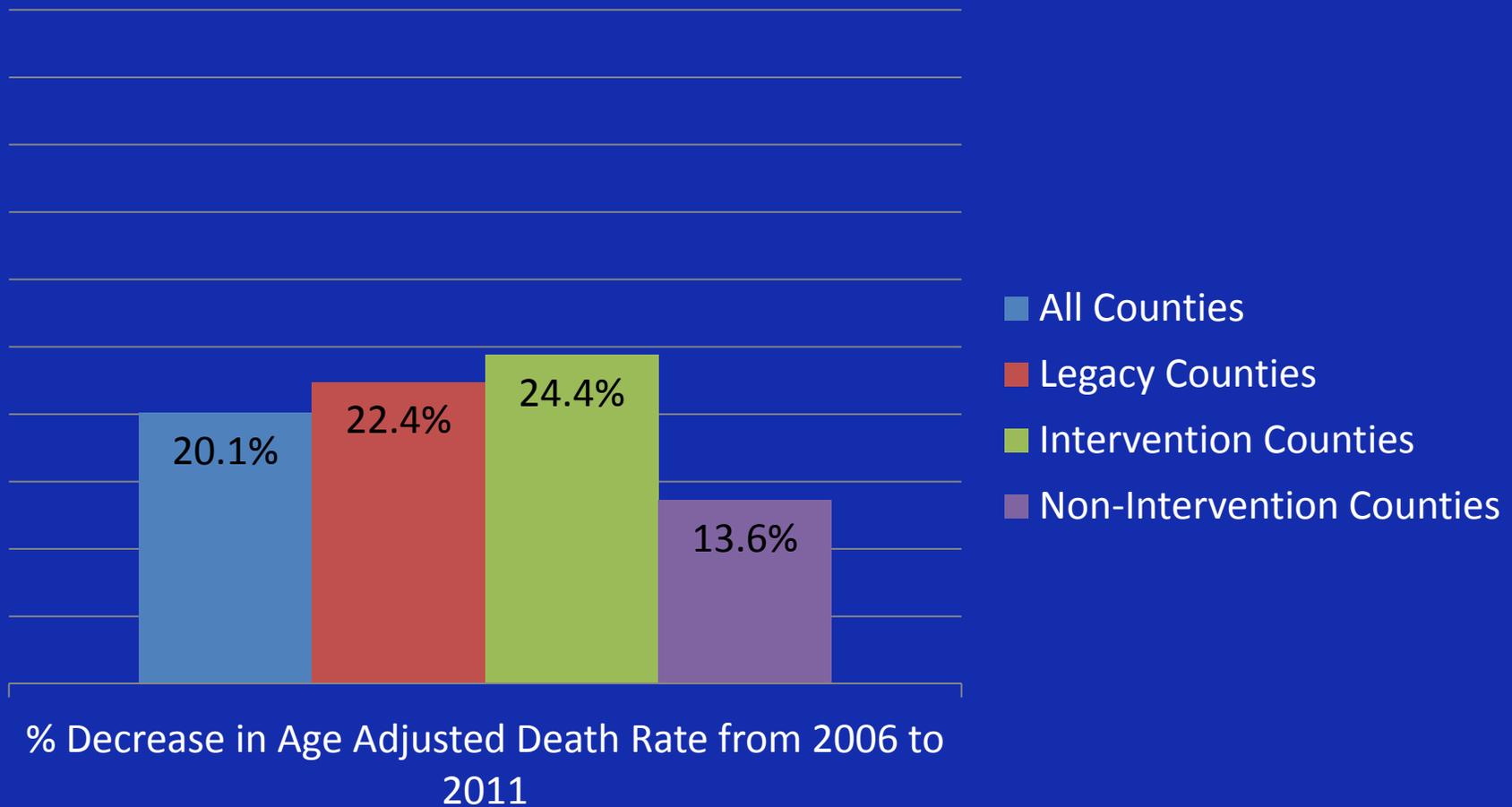
Source: NM Vital Records and Health Statistics and Morbidity Surveillance Program, NM DOH

Suboxone Availability by Region, New Mexico July 2011 – June 2012

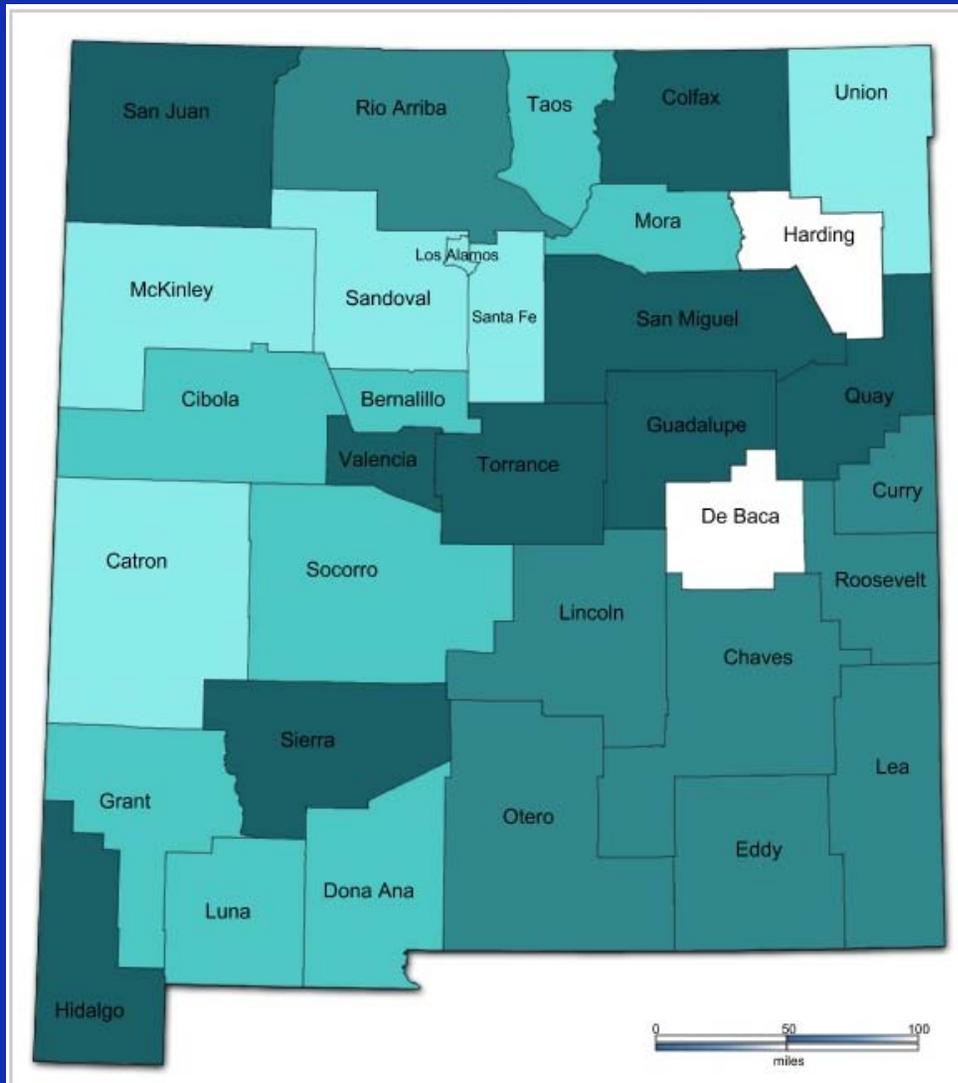
NM Health Region	Prescribers (>14 patients)	Prescribers/100,000	Patients/100,000
Northwest	6	2.6	77.2
Northeast	24	8.1	304.0
Metro	55	6.1	259.0
Southeast	3	1.0	73.5
Southwest	7	1.9	91.1
Total	95	4.6	189.9

Source: Prescription Monitoring Program, Board of Pharmacy analyzed by NM DOH

Decrease in Injury Death Rate by Level/Length of Trauma Center Coverage New Mexico, 2006 - 2011



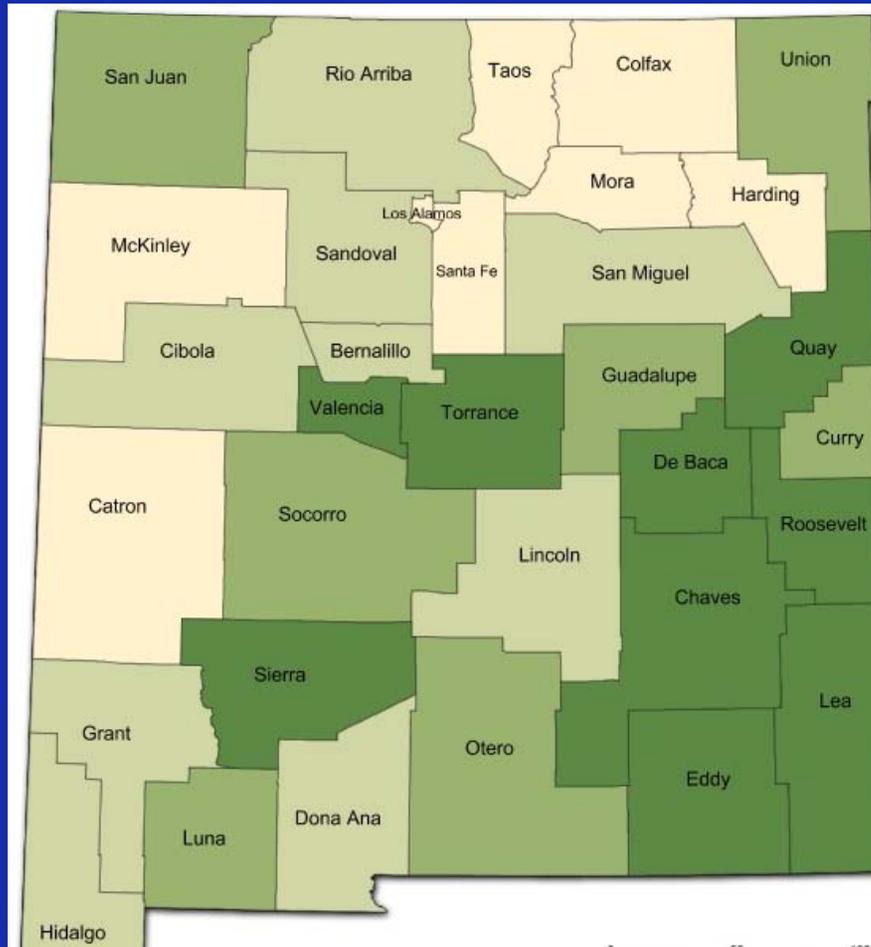
Adult Smoking Rates by County, NM 2008-2010



Map Legend

- ** Insuff. Data (sample size < 50)
- 0- 25% Quartile (counties with the lowest percentages)
- 25- 50% Quartile
- 50- 75% Quartile
- 75-100% Quartile (counties with the highest percentages)

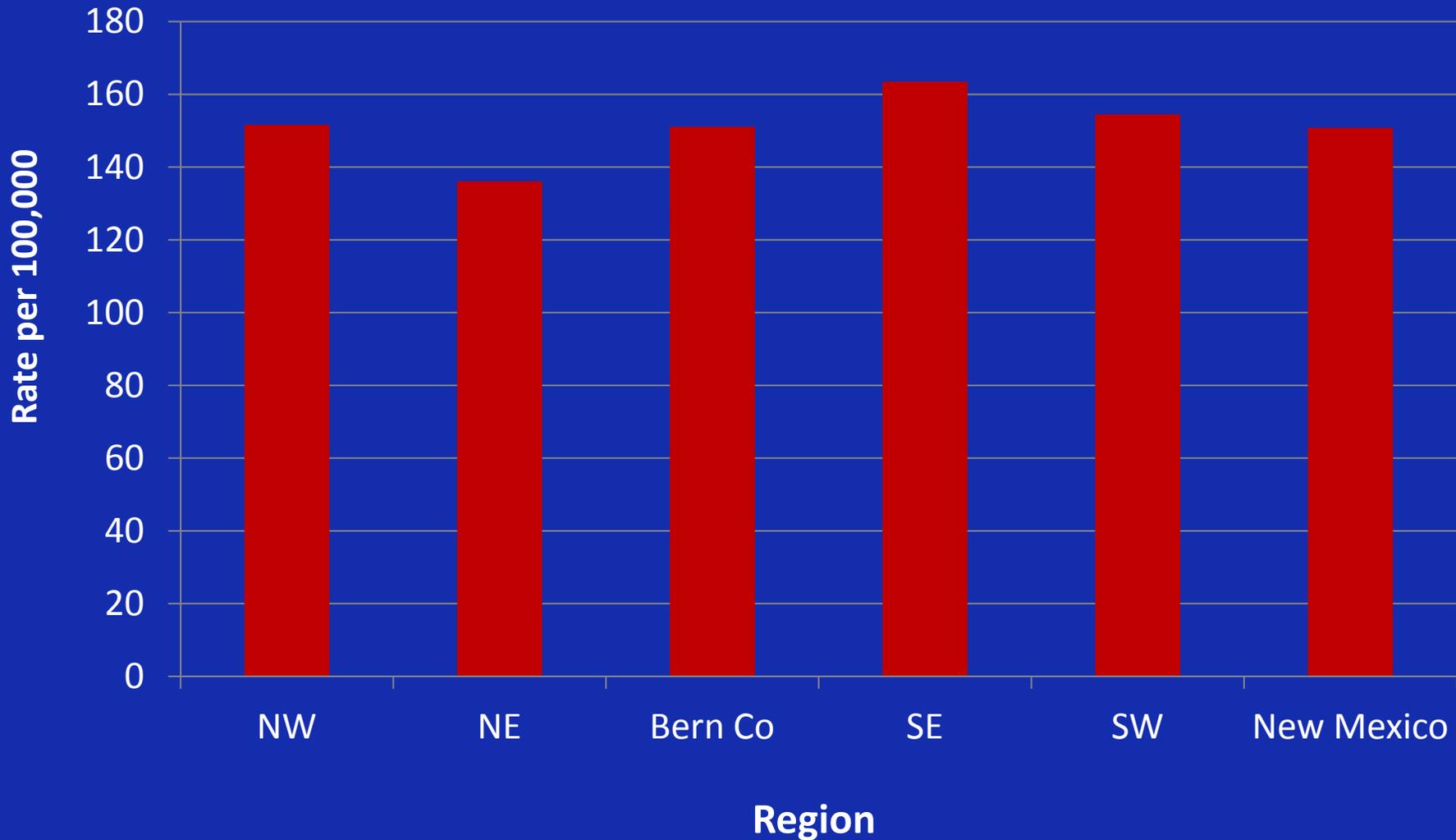
Rates of Lung Cancer Deaths by County, NM, 2002-2011



Map Legend

- ** Insuff. Data (count=0, or count=1-3 and population <20)
- 0- 25% Quartile (areas with the lowest rates)
- 25- 50% Quartile
- 50- 75% Quartile
- 75-100% Quartile (areas with the highest rates)

Cancer Death Rates by Health Region, NM, 2007-2011



National Estimates of Oncology Physician Supply Through 2020

ASCO® AMERICAN SOCIETY OF CLINICAL ONCOLOGY

Oncology Physician Supply Forecasts 2005-2020

	2005	2010	2015	2020	% Change
Total Physicians	10,422	11,225	11,905	12,547	20%
U.S. Pop	295,507,134	308,935,581	322,365,787	335,804,546	14%
# / 100K Pop	3.53	3.63	3.69	3.74	6%

Estimated Distribution of Oncologists by NM Health Region +/- Bordering Cities

NM Health Region	Number in the NM Population (2011)	Number of oncologists*		Number of oncologists per 100,000 NM pop	
		NM Only	NM plus border cities	NM Only	NM plus border cities
Northwest	438,470	10	14	2.28	3.19
Northeast	292,928	14	N/A	4.78	N/A
Bernalillo County	665,483	38	N/A	5.71	N/A
Southeast	264,547	7	11	2.65	4.16
Southwest	403,743	25	26	6.19	6.44
NM Total	2,065,171	74	83	3.58	4.02

*Medical Oncologists, Hematologists & Radiation Oncologists currently listed as participating with NMBCBS in NM, El Paso, Odessa, Lubbock and Durango

Summary: NM Oncology Workforce

- Based on limited data sources, the range of estimated oncology physicians per NM's total population (3.58 to 4.02) is essentially the same as the national estimate (3.65)
- The estimated number of oncology physicians per NM health region population ranges from 2.28 to 6.44
- There are fewer oncology physicians per population in the two most rural health regions (NW and SE)
- Supply does not match with burden of disease

NM Healthcare Workforce Tracking

- Use provider surveys to determine ratios of practicing providers by population
 - Use Kaiser or equivalent national benchmarks
 - Provide by provider type with focus on primary care providers
 - Provide by geographic region
 - Provide annually
 - Compare to burden of disease and appropriateness of service

NM Healthcare Workforce Tracking

- Use population surveys to track key questions
 - Health insurance coverage
 - Clinical preventive service coverage
 - Medical home coverage
 - Delays or barriers to healthcare
 - Provide by region

NM Healthcare Workforce Tracking

- Use emergency department and hospital discharge data to track ambulatory care sensitive conditions such as asthma and diabetes and the health of the primary care system
 - Provide by region

Other Recommendations

- Consider more aggressive targeting of specific shortage areas that have the greatest need
 - Consider expanding NM Health Service Corps for this purpose
 - Explore particular needs of SE NM
- Consider focusing on gaps in the primary care system

New Unit at NM DOH

Further developing NM Healthcare System Indicators in the context of Healthcare Reform

- Ambulatory care sensitive hospitalizations and emergency department visits (for diabetes and asthma)
- Hospital readmission rates (for congestive heart failure)
- Healthcare associated infections
- Trauma care death rates by injury severity score
- Primary care provider FTE to population ratios
- Clinical preventive service coverage by region