

**TOPIC:** Out-of-State Hospitalizations for New Mexico Residents (2013 Data)

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*Introduction:* The Health Systems Epidemiology Program (HSEP) has just recently gathered hospitalization data from New Mexico’s neighboring states (Arizona, Colorado, and Texas) for New Mexico residents.

*Arizona:* The Department of Health has entered into a Data Use Agreement (DUA) with the Arizona Department of Health Services (ADHS). The DUA permits the exchange of identified health information between both states. The HSEP requested data from ADHS on New Mexico residents for 2010-2013. Each year, the HSEP will put in a new request for the latest year’s dataset.

*Colorado:* Colorado hospitalization data is collected by the Colorado Hospital Association. Both Colorado and New Mexico participate in HCUP; the Agency for HealthCare Research and Quality’s (AHRQ) HealthCare Cost and Utilization Project. New Mexico and Colorado agreed to exchange de-identified HCUP data between the states at no cost. (<https://www.hcup-us.ahrq.gov/databases.jsp>)

*Texas:* The Texas Department of State Health Services requires researchers to put in an application for a research use hospitalization data file. The application then goes through an IRB process. Once an application is approved, researchers then purchase the research use file. Each data element costs \$120 per element. Currently, the HSEP is purchasing 54 data elements per annual dataset (\$6,480.00). Each year, the HSEP will have to submit an amendment to their IRB application requesting an additional year of data.

*Methods:* Using the data provided, FIPS codes were assigned to each New Mexico resident hospitalization record from the out-of-state files. A combined hospital inpatient and discharge data (HIDD) file was created for each out-of-state file (combined with the NM HIDD).

	# of NM Resident Hospitalizations	Combined NM HIDD + Out of State NM Resident Hospitalization*	% Out of State Hospitalization
Arizona	4,933	195,169	2.53
Colorado	1,986	192,222	1.03
Texas	16,894	207,130	8.16

\*The NM HIDD dataset had 190,236 NM resident hospitalizations in 2013.

Analysis at the county level was completed (see attachments). Once again out-of-state hospitalizations for NM residents were combined with NM HIDD records.

*Results:* The addition of out-of-state hospitalization data for NM residents is important for the Department of Health’s goal of analyzing population based health conditions. Arizona data only enhances NM HIDD data by 3%, but this data is important for Hidalgo and Catron counties. The Arizona data accounts for 68% of Catron County’s hospitalization data and 29% of Hidalgo County’s hospitalization data. Similar results can be seen with Colorado and Texas hospitalization data and the impact this data will have, especially on a county level, on NM hospitalization data (see attachments).

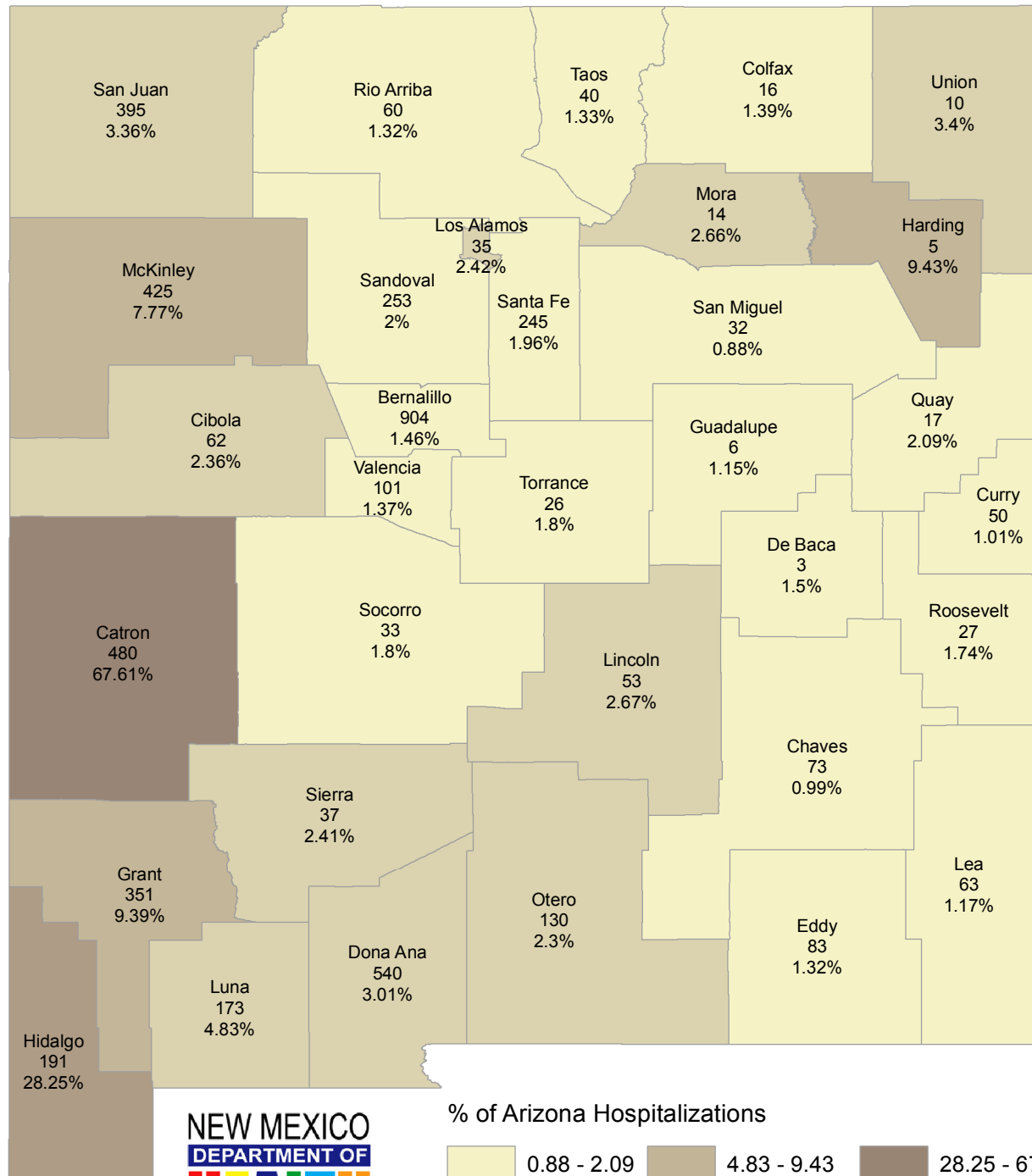
*Limitations:*

1. The NM-HIDD only contains hospitalizations from non-federal general, acute and specialty facilities. For this analysis IHS data was not included.
2. Records with missing zip codes or county designations were not included in this analysis.

### Arizona Hospitalizations 2013\*

County	AZ Hosp.	AZ+NM Hosp.	% AZ Hosp.
Bernalillo	904	61,921	1.46
Catron	480	710	67.61
Chaves	73	7,354	0.99
Cibola	62	2,632	2.36
Colfax	16	1,154	1.39
Curry	50	4,951	1.01
De Baca	3	200	1.50
Dona Ana	540	17,944	3.01
Eddy	83	6,279	1.32
Grant	351	3,740	9.39
Guadalupe	6	523	1.15
Harding	5	53	9.43
Hidalgo	191	676	28.25
Lea	63	5,403	1.17
Lincoln	53	1,982	2.67
Los Alamos	35	1,449	2.42
Luna	173	3,585	4.83
McKinley	425	5,468	7.77
Mora	14	527	2.66
Otero	130	5,658	2.30
Quay	17	815	2.09
Rio Arriba	60	4,546	1.32
Roosevelt	27	1,554	1.74
Sandoval	253	12,639	2.00
San Juan	395	11,745	3.36
San Miguel	32	3,642	0.88
Santa Fe	245	12,520	1.96
Sierra	37	1,535	2.41
Socorro	33	1,834	1.80
Taos	40	3,011	1.33
Torrance	26	1,442	1.80
Union	10	294	3.40
Valencia	101	7,383	1.37
<b>Total</b>	<b>4,933</b>	<b>195,169</b>	<b>2.53</b>

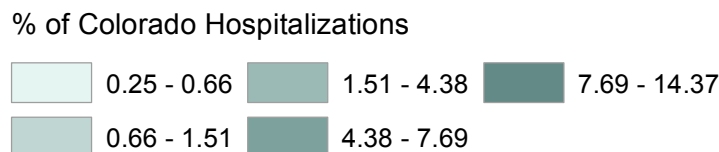
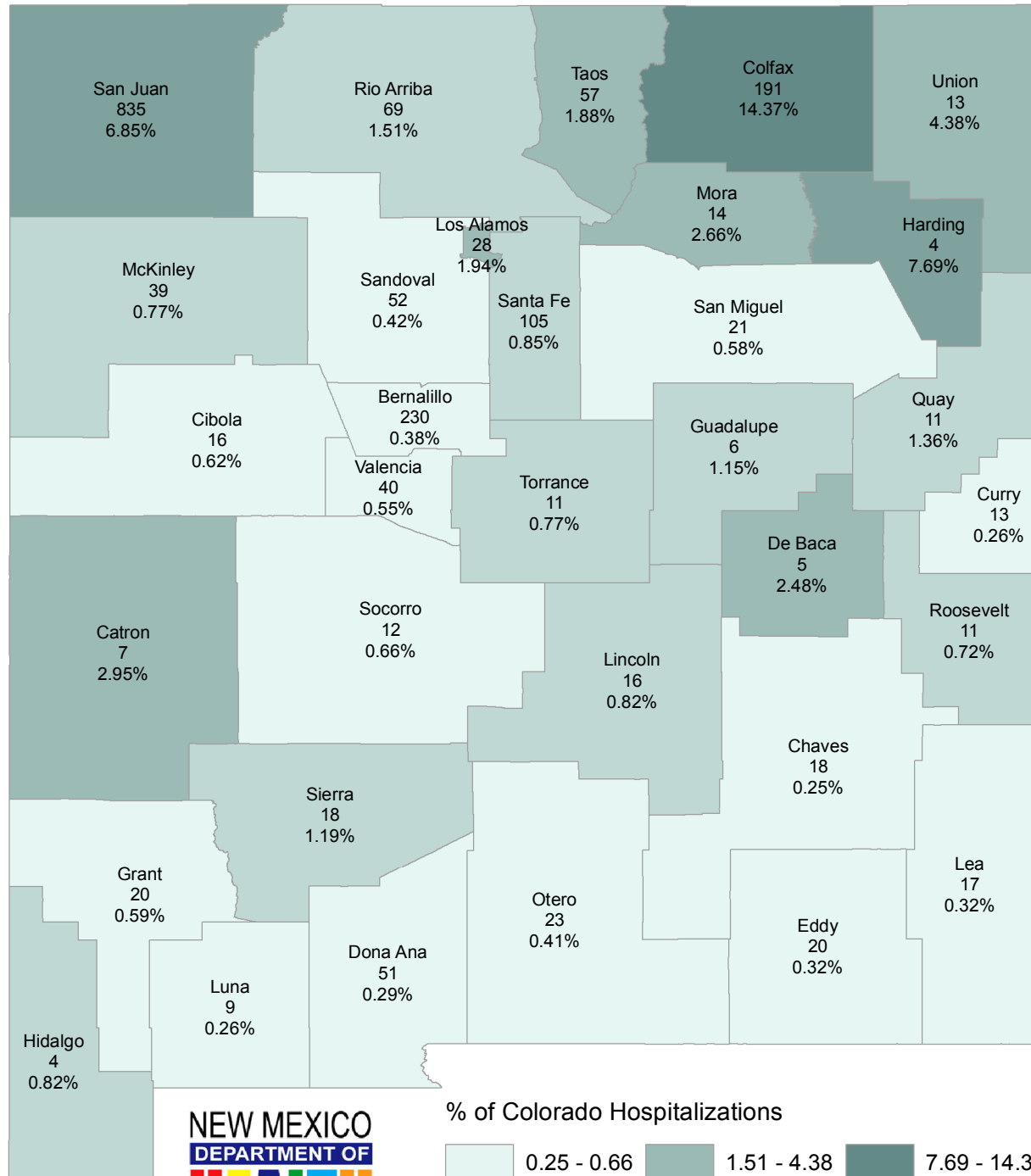
\*Source: Arizona Department of Health Services

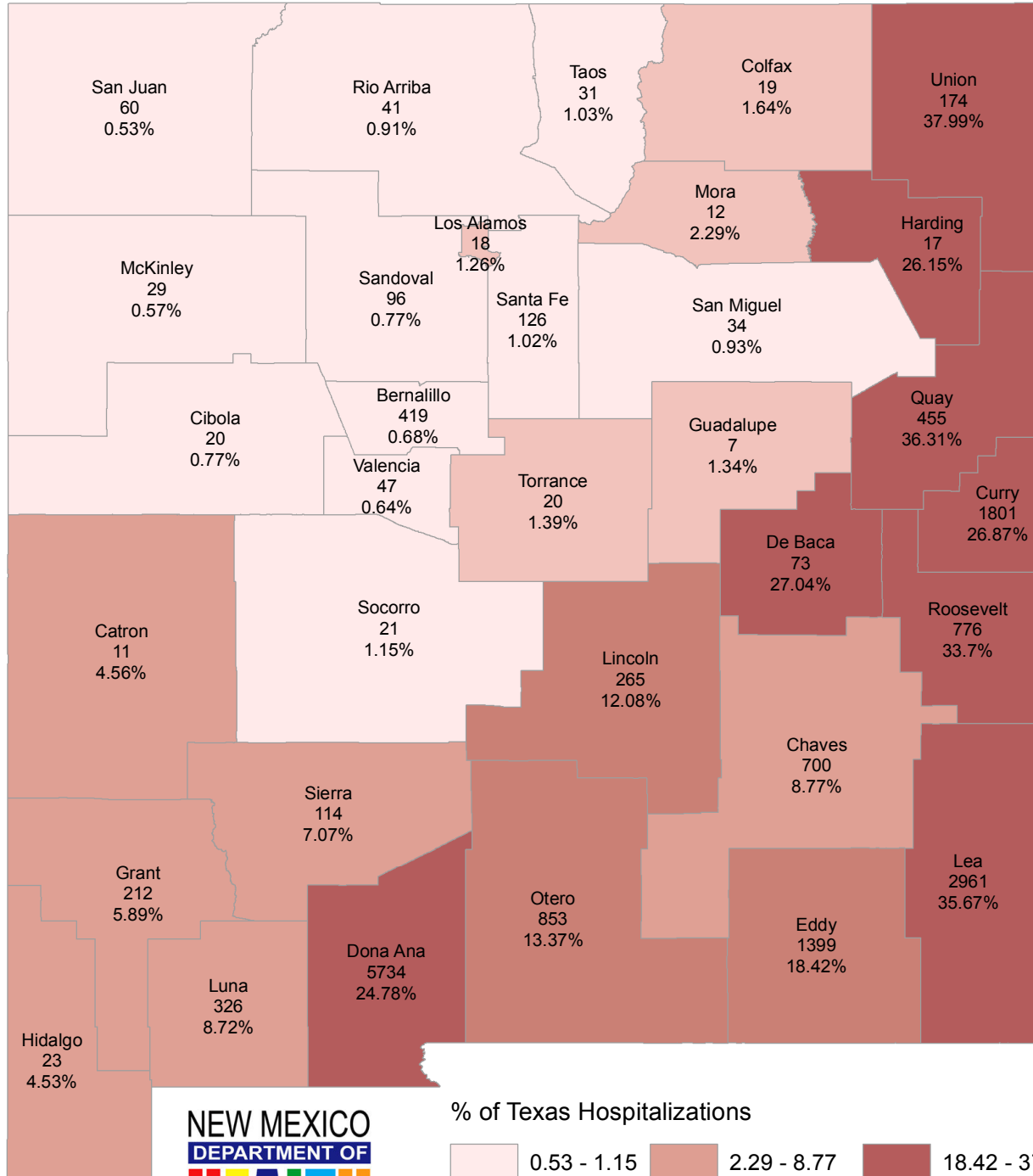


### Colorado Hospitalizations 2013\*

County	CO Hosp.	CO+NM Hosp.	% CO Hosp.
Bernalillo	230	61,247	0.38
Catron	7	237	2.95
Chaves	18	7,299	0.25
Cibola	16	2,586	0.62
Colfax	191	1,329	14.37
Curry	13	4,914	0.26
De Baca	5	202	2.48
Dona Ana	51	17,455	0.29
Eddy	20	6,216	0.32
Grant	20	3,409	0.59
Guadalupe	6	523	1.15
Harding	4	52	7.69
Hidalgo	4	489	0.82
Lea	17	5,357	0.32
Lincoln	16	1,945	0.82
Los Alamos	28	1,442	1.94
Luna	9	3,421	0.26
McKinley	39	5,082	0.77
Mora	14	527	2.66
Otero	23	5,551	0.41
Quay	11	809	1.36
Rio Arriba	69	4,555	1.51
Roosevelt	11	1,538	0.72
Sandoval	52	12,438	0.42
San Juan	835	12,185	6.85
San Miguel	21	3,631	0.58
Santa Fe	105	12,380	0.85
Sierra	18	1,516	1.19
Socorro	12	1,813	0.66
Taos	57	3,028	1.88
Torrance	11	1,427	0.77
Union	13	297	4.38
Valencia	40	7,322	0.55
<b>Total</b>	<b>1,986</b>	<b>192,222</b>	<b>1.03</b>

\*Source: Colorado Department of Public Health and Environment





County	TX Hosp.	TX+NM Hosp.	% TX Hosp.
Bernalillo	419	61,436	0.68
Catron	11	241	4.56
Chaves	700	7,981	8.77
Cibola	20	2,590	0.77
Colfax	19	1,157	1.64
Curry	1,801	6,702	26.87
De Baca	73	270	27.04
Dona Ana	5,734	23,138	24.78
Eddy	1,399	7,595	18.42
Grant	212	3,601	5.89
Guadalupe	7	524	1.34
Harding	17	65	26.15
Hidalgo	23	508	4.53
Lea	2,961	8,301	35.67
Lincoln	265	2,194	12.08
Los Alamos	18	1,432	1.26
Luna	326	3,738	8.72
McKinley	29	5,072	0.57
Mora	12	525	2.29
Otero	853	6,381	13.37
Quay	455	1,253	36.31
Rio Arriba	41	4,527	0.91
Roosevelt	776	2,303	33.70
Sandoval	96	12,482	0.77
San Juan	60	11,410	0.53
San Miguel	34	3,644	0.93
Santa Fe	126	12,401	1.02
Sierra	114	1,612	7.07
Socorro	21	1,822	1.15
Taos	31	3,002	1.03
Torrance	20	1,436	1.39
Union	174	458	37.99
Valencia	47	7,329	0.64
<b>Total</b>	<b>16,894</b>	<b>207,130</b>	<b>8.16</b>

\*Source: Texas Department of State Health Services