

December 27, 2000

New Mexico Alcohol-Related Hospitalization Charges for 1998

The cost of alcohol-related hospitalizations in New Mexico is important data for use in our work to reduce alcohol abuse. With this in mind, the New Mexico Department of Health is providing the attached report on alcohol-related hospitalization charges using data from the New Mexico Health Policy Commission's Hospital Inpatient Discharge Data (HIDD), 1998. The methodology used to determine these data is described in The Economic Costs of Alcohol and Drug Abuse in the United States, 1992 (National Institute of Health, Rockville, MD; 1998).

Considerable research evidence has accumulated concerning the relative contribution of alcohol to specific illnesses and injuries that result in death (Stinson et. al., 1993). For a more thorough examination of this methodology, please go to: www.nida.nih.gov/EconomicCosts/Index.html.

This report estimated the New Mexico alcohol-related hospitalization charges for 1998 at about **\$51,000,000**. ("Charges" are similar to costs but slightly higher due to a variety of additional indirect costs experienced by hospitals) These charges were calculated by using a range of alcohol-related diagnostic codes.

The attached report consists of the following three tables of alcohol-related hospitalization charges:

Table 1: New Mexico statewide data by specific diagnostic coding category

Table 2: New Mexico data by seven broad disease categories (e.g., cancer, diabetes, alcoholism, injuries, cardiovascular, gastrointestinal, and infectious diseases)

Table 3: County- specific data

The \$51 million figure underestimates total New Mexico resident hospitalization charges for the following reasons: 1) charges for New Mexico resident hospitalizations in neighboring states are not included; 2) charges for hospitalizations at federal hospitals, such as Veterans Administration and Indian Health Service, are not included; and 3) not all NM hospitals code diagnoses for injuries in the most detailed manner.

For instance, if a patient with a broken hip from a motor vehicle crash is admitted to a hospital that uses "E-coding", which is detailed coding that describes the cause of the

injury, the alcohol attributable percentage for such an injury is 42%. However, if that same patient with the same injury is admitted to a different hospital that does not use "E-coding", we can not determine the cause of the broken hip. As a result, the alcohol-attributable percentage for this incompletely specified injury would only be 10%. Therefore, if most of a particular NM county's resident hospitalizations occur at a hospital that does not use the more detailed "E-coding", that county's alcohol-related hospitalization charges will be underestimated.

In conclusion, New Mexico had alcohol-related hospitalization charges in 1998 of at least \$51 million, which was likely a significant underestimate. County-specific hospitalization charges in this report were underestimated to varying degrees depending on what extent county resident hospitalizations occurred in out of state hospitals, in federal hospitals, and in hospitals that did not use "E-coding". New Mexico alcohol-related hospitalization charges of at least \$51 million in 1998 were significantly greater than the New Mexico's annual alcohol taxes of \$35 million. We must work together to continue to reduce the burden, including the monetary cost, of alcohol abuse in New Mexico.

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TABLE 1: NM ALCOHOL-RELATED HOSPITALIZATION CHARGES 1998

STATE WIDE	DIAGNOSIS	ALCOHOL ATTRIBUTABLE FRACTION	ALCOHOL RELATED CHARGES
	011-012.86: Respiratory TB	0.25	\$ 122,638
	140-149.9: Malignant neoplasm lip/oral cav/pharynx-Males	0.50	\$ 505,266
	140-149.9: Malignant neoplasm lip/oral cav/pharynx-Females	0.40	\$ 337,810
	150-150.9: Malignant neoplasm esophagus	0.75	\$ 742,148
	151-151.9: Malignant neoplasm stomach	0.20	\$ 489,174
	250-250.93: Diabetes mellitus	0.05	\$ 928,998
	291-291.9: Alcoholic psychoses	1.00	\$ 2,516,847
	303-303.93: Alcohol dependence syndrome	1.00	\$ 7,017,265
	305.0-305.03: Nondependent abuse of alcohol	1.00	\$ 866,748
	357.5: Alcoholic polyneuropathy	1.00	\$ 65,805
	401-401.9: Essential hypertension	0.08	\$ 95,364
	425.5: Alcoholic cardiomyopathy	1.00	\$ 129,706
	430-438: Cerebrovascular disease	0.07	\$ 2,668,674
	480-487.8: Pneumonia/influenza	0.05	\$ 2,875,231
	530-535.21, 535.4-537.9: Diseases of the esophagus/stomach	0.10	\$ 2,181,250
	535.3-535.31: Alcoholic gastritis	1.00	\$ 1,136,056
	571.0-571.3: Alcoholic cirrhosis	1.00	\$ 5,887,521
	571.4-571.49: Chronic hepatitis	0.50	\$ 17,158
	571.5: Cirrhosis, alcohol not mentioned	0.50	\$ 1,075,537
	571.8: Other chronic non-alcohol liver damage	0.50	\$ 24,693
	571.9: Unspecified chronic liver disease, alcohol not	0.50	\$ 443
	572.3: Portal hypertension	0.50	\$ 181,466
	577.0: Acute pancreatitis	0.42	\$ 4,603,977
	577.1: Chronic pancreatitis	0.60	\$ 562,205
	790.3: Excessive blood level of alcohol	1.00	\$ -
	800-829.1: Fractures	0.10	\$ 7,340,017
	830-839.9: Dislocations	0.10	\$ 202,689
	840-848.9: Sprains & strains	0.10	\$ 351,679
	850-854.19: Intracranial	0.10	\$ 1,170,597
	860-869.1: Thorax/abdomen/pelvis	0.10	\$ 871,193
	870-879.9: Open wound-head/neck/trunk	0.10	\$ 235,386
	880-887.7: Open wound-upper limb	0.10	\$ 164,142
	890-897.7: Open wound-lower limb	0.10	\$ 168,439
	900-904.9: Injury to blood vessels	0.10	\$ 60,411
	905-909.9: Late effects	0.10	\$ 16,920
	910-919.9: Superficial	0.10	\$ 9,119
	920-924.9: Contusions	0.10	\$ 101,247
	925-929.9: Crushing	0.10	\$ 11,112
	930-939.9: Foreign bodies	0.10	\$ 30,182
	940-949.5: Burns	0.10	\$ 328,448
	950-957.9: Nerves & spinal	0.10	\$ 129,153
	958-959.9: Trauma, comp.	0.10	\$ 91,391
	960-964.9, 965.1-966.4, 968.1-968.9: Poisoning	0.10	\$ 265,973
	980.0: Toxic effect ethyl alcohol	1.00	\$ 98,481
	980.1-989.9: Toxic effects	0.10	\$ 82,151
	990-995.89: Other external	0.10	\$ 54,711
	E810-E825.9: Motor vehicle accidents	0.42	\$ 440,411
	E826,E829: Pedal cycle & oth road vehicle accidents	0.20	\$ 1,989
	E830-E838.9: Water transport accidents	0.20	\$ -
	E840-E845.9: Air & space transport accidents	0.16	\$ 5,732
	E860-E860.1: Accidental poisoning by alcohol	1.00	\$ 17,224
	E880-E888: Accidental falls	0.35	\$ 2,216,957
	E890-E899: Accidents caused by fire/flames	0.45	\$ 19,435
	E901,E911,E917-E920,E922,E980: Oth injuries & adverse effe	0.25	\$ 327,807
	E910-E910.9: Accidental drowning & submersion	0.38	\$ 33,117
	E950-E959: Suicide & self-inflicted injury	0.28	\$ 1,050,326
	E960-E969: Homicide & injury purposely inflicted by others	0.46	\$ 186,692
	TOTAL		\$ 51,115,105

TABLE 2: 1998 New Mexico Alcohol-Related Hospitalization Charges by Seven Broad Disease Categories

<u>CATEGORIES</u>	<u>ALCOHOL-RELATED CHARGES</u>	<u>PERCENTAGE OF CHARGES</u>
Injury	\$ 16,083,127	31.5%
Injury (not E-coded)	\$ 11,783,437	23.1%
Injury (E-coded)	\$ 4,299,690	8.4%
Gastrointestinal	\$ 15,670,305	30.7%
Alcohol-specific	\$ 10,466,665	20.5%
Infectious Disease	\$ 2,997,869	5.9%
Cardiovascular	\$ 2,893,743	5.7%
Cancer	\$ 2,074,397	4.1%
Diabetes	\$ 928,998	1.8%
TOTAL**	\$ 51,115,104	

** numbers do not sum exactly due to rounding.

NM Alcohol Related Hospitalization Charges by Seven Broad Disease Categories 1998

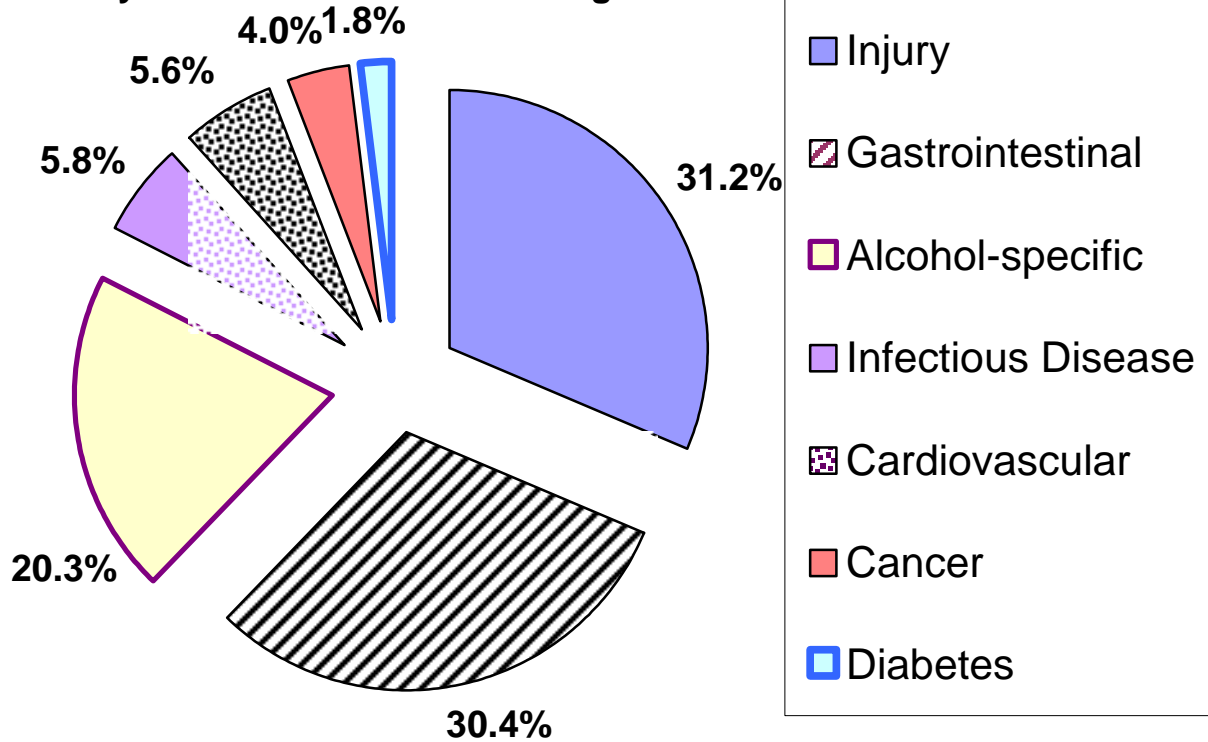


TABLE 3: NM COUNTY-SPECIFIC ALCOHOL-RELATED HOSPITALIZATION CHARGES 1998

<u>COUNTIES</u>	<u>HOSPITALIZATION CHARGES</u>
Bernalillo	\$ 16,079,598
Catron	\$ 89,983
Chaves	\$ 1,310,237
Cibola	\$ 757,295
Colfax	\$ 321,224
Curry	\$ 733,827
De Baca	\$ 33,351
Dona Ana	\$ 5,471,748
Eddy	\$ 1,624,004
Grant	\$ 855,435
Guadalupe	\$ 1,418,585
Harding	\$ 4,231
Hidalgo	\$ 343,344
Lea	\$ 1,222,143
Lincoln	\$ 337,926
Los Alamos	\$ 479,179
Luna	\$ 807,794
McKinley	\$ 2,079,958
Mora	\$ 114,583
Otero	\$ 1,267,931
Quay	\$ 247,129
Rio Arriba	\$ 1,628,961
Roosevelt	\$ 335,106
San Juan	\$ 2,186,606
San Miguel	\$ 2,800,662
Sandoval	\$ 1,026,813
Santa Fe	\$ 3,265,081
Sierra	\$ 408,428
Socorro	\$ 509,138
Taos	\$ 727,002
Torrance	\$ 507,422
Union	\$ 215,141
Valencia	\$ 1,905,220
NEW MEXICO TOTAL*	\$ 51,115,085

*Totals in Tables 1-3 do not match exactly due to rounding.