

# LUNA COUNTY HEALTH PROFILE

## 2003 NEW MEXICO COUNTY HEALTH PROFILES NEW MEXICO DEPARTMENT OF HEALTH PUBLIC HEALTH DIVISION OFFICE OF NEW MEXICO VITAL RECORDS AND HEALTH STATISTICS

Welcome to the fifth update of the New Mexico County Health Profiles. This publication is dedicated to users of county-level data as well as to those who contributed data, suggestions, interpretations, and comments. Thanks to so many of you, there are many improvements in this year's version. Some of you work in the Department of Health, but a great many of you work in other agencies and it is gratifying to be able to have collaborated with you.

As in prior versions, the latest data available from each source is used. Questions about the data, their collection, limitations, or interpretation should be directed to the appropriate data source. To aid in this, a source is listed at the bottom of each table throughout the profile.

The compilation of the Profiles is possible because of assistance and contributions from many agencies and data providers: NM Department of Health, District Health Offices, Diabetes Prevention and Control Program, Family Food and Nutrition Services, Family Health Bureau, Infectious Disease Bureau, Injury Prevention and EMS Bureau, Long Term Services Division, Family Infant Toddler Program, Behavioral Health, and Office of Epidemiology; NM Children, Youth and Families Department, Child Protective Services; NM Commission on Higher Education; NM Department of Education; NM Department of Labor; NM Health Policy Commission; NM Department of Transportation, Traffic Safety Bureau; NM Human Services Department, Income Support Division, Medical Assistance Division; University of New Mexico's Bureau of Business and Economic Research (BBER) and New Mexico Tumor Registry; Center for Disease Control's National Center for Health Statistics; US Department of Commerce, Bureau of the Census and Bureau of Economic Analysis; and US Bureau of Labor Statistics.

Without outstanding assistance from the entire staff at the Office of New Mexico Vital Records and Health Statistics, these profiles would not have been produced and we especially wish to thank: Mary M. Gonzales, John Hedrick, Brad Whorton, Brian Woods, Radha S. Biswas, Tony Ortiz, Renee Valencia, Michael Patterson, Veronica Tapia, Pete Varela, Rebecca Rodriguez, and Melinda Roybal.

[Your comments are welcome. You may call 827-0167 to provide comments or suggestions for future reports.](#)

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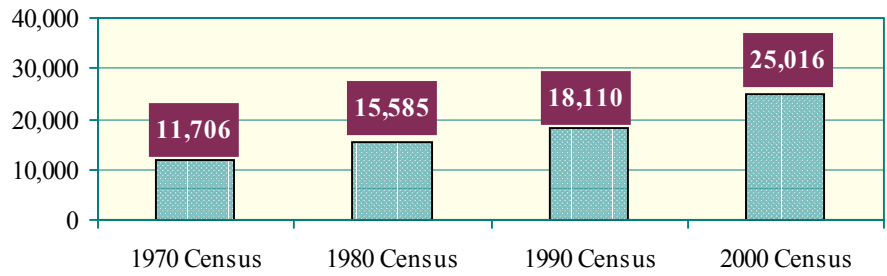
- Gastrointestinal Disease
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LUNA COUNTY POPULATION / AGE AND GENDER

**POPULATION GROWTH  
1970 TO 2000**

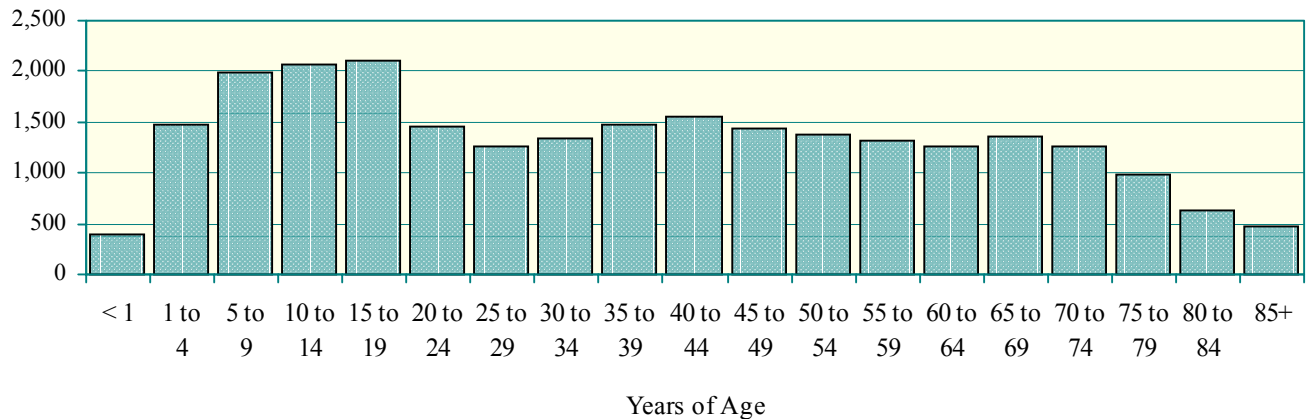


SOURCE: U.S. Bureau of the Census

| 2002 POPULATION ESTIMATES<br>BY AGE AND GENDER |             |        |        |            |         |           |
|--|-------------|--------|--------|------------|---------|-----------|
| Age Groups                                     | Luna County |        |        | New Mexico |         |           |
|  | Male        | Female | Both   | Male       | Female  | Both      |
| Less than 1 yr                                 | 231         | 159    | 390    | 13,746     | 13,361  | 27,107    |
| 1 to 4 years                                   | 773         | 694    | 1,467  | 53,236     | 51,780  | 105,016   |
| 5 to 9 years                                   | 1,007       | 990    | 1,997  | 67,768     | 65,647  | 133,415   |
| 10 to 14 years                                 | 1,020       | 1,050  | 2,070  | 74,247     | 71,746  | 145,993   |
| 15 to 19 years                                 | 1,071       | 1,037  | 2,108  | 76,356     | 72,288  | 148,644   |
| 20 to 24 years                                 | 706         | 758    | 1,464  | 67,182     | 64,847  | 132,029   |
| 25 to 29 years                                 | 587         | 668    | 1,255  | 56,796     | 56,273  | 113,069   |
| 30 to 34 years                                 | 652         | 690    | 1,342  | 59,596     | 59,961  | 119,557   |
| 35 to 39 years                                 | 682         | 794    | 1,476  | 64,222     | 65,623  | 129,845   |
| 40 to 44 years                                 | 742         | 804    | 1,546  | 70,951     | 73,496  | 144,447   |
| 45 to 49 years                                 | 733         | 705    | 1,438  | 66,325     | 70,011  | 136,336   |
| 50 to 54 years                                 | 661         | 715    | 1,376  | 60,317     | 63,383  | 123,700   |
| 55 to 59 years                                 | 620         | 705    | 1,325  | 47,075     | 50,411  | 97,486    |
| 60 to 64 years                                 | 620         | 645    | 1,265  | 36,530     | 40,431  | 76,961    |
| 65 to 69 years                                 | 677         | 686    | 1,363  | 30,979     | 34,231  | 65,210    |
| 70 to 74 years                                 | 664         | 605    | 1,269  | 26,175     | 29,427  | 55,602    |
| 75 to 79 years                                 | 485         | 501    | 986    | 19,298     | 25,786  | 45,084    |
| 80 to 84 years                                 | 299         | 332    | 631    | 12,434     | 17,304  | 29,738    |
| 85 and over                                    | 171         | 299    | 470    | 8,926      | 16,894  | 25,820    |
| All Ages                                       | 12,401      | 12,837 | 25,238 | 912,159    | 942,900 | 1,855,059 |

Source: U.S. Bureau of the Census

**2002 POPULATION ESTIMATES  
BY AGE GROUP**



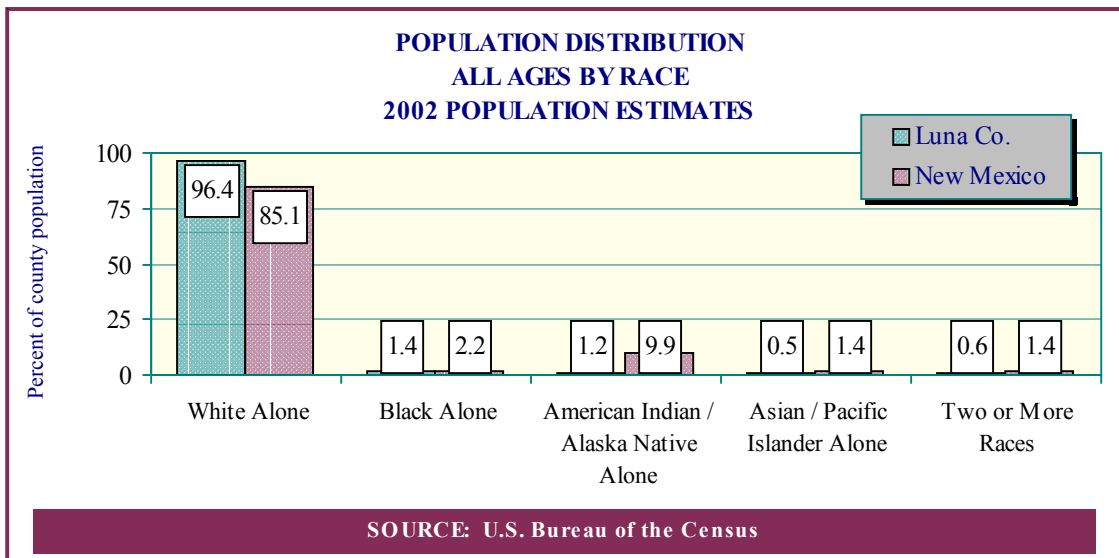
SOURCE: U.S. Bureau of the Census

**LUNA COUNTY POPULATION / AGE AND RACE/ETHNICITY**

| 2002 POPULATION ESTIMATES<br>BY AGE AND RACE/ETHNICITY |          |       |  |                                |                         |                     |  |
|--|----------|-------|--|--------------------------------|-------------------------|---------------------|--|
| Age Groups   | ONE RACE |       |  |                                |                         | Total<br>Population | Hispanic or<br>Latino<br>Ethnicity<br>Any Race <sup>/1</sup> |
|  | White    | Black | American<br>Indian /<br>Alaska<br>Native | Asian /<br>Pacific<br>Islander | Two or<br>More<br>Races |                     |  |
| Under 5 years  | 1,789    | 23    | 17                                       | 10                             | 18                      | 1,857               | 1,458  |
| 5 to 9 years   | 1,912    | 29    | 22                                       | 14                             | 20                      | 1,997               | 1,561  |
| 10 to 14 years   | 1,997    | 29    | 24                                       | 4                              | 16                      | 2,070               | 1,563  |
| 15 to 19 years   | 2,020    | 42    | 21                                       | 8                              | 17                      | 2,108               | 1,576  |
| 20 to 24 years   | 1,405    | 32    | 16                                       | 5                              | 6                       | 1,464               | 1,118  |
| 25 to 29 years   | 1,204    | 19    | 19                                       | 9                              | 4                       | 1,255               | 954  |
| 30 to 34 years   | 1,274    | 28    | 22                                       | 14                             | 4                       | 1,342               | 959  |
| 35 to 39 years   | 1,428    | 18    | 13                                       | 14                             | 3                       | 1,476               | 974  |
| 40 to 44 years   | 1,483    | 25    | 24                                       | 5                              | 9                       | 1,546               | 974  |
| 45 to 49 years   | 1,378    | 20    | 24                                       | 9                              | 7                       | 1,438               | 787  |
| 50 to 54 years   | 1,328    | 22    | 18                                       | 3                              | 5                       | 1,376               | 688  |
| 55 to 59 years   | 1,281    | 11    | 18                                       | 6                              | 9                       | 1,325               | 534  |
| 60 to 64 years   | 1,229    | 7     | 15                                       | 7                              | 7                       | 1,265               | 463  |
| 65 to 69 years   | 1,319    | 18    | 15                                       | 4                              | 7                       | 1,363               | 423  |
| 70 to 74 years   | 1,238    | 16    | 9  | 2                              | 4                       | 1,269               | 360  |
| 75 to 79 years   | 962      | 9     | 9  | 0                              | 6                       | 986                 | 184  |
| 80 to 84 years   | 619      | 8     | 2  | 2                              | 0                       | 631                 | 134  |
| 85 and over  | 457      | 6     | 5  | 0                              | 2                       | 470                 | 86   |
| All Ages   | 24,323   | 362   | 293                                      | 116                            | 144                     | 25,238              | 14,796   |

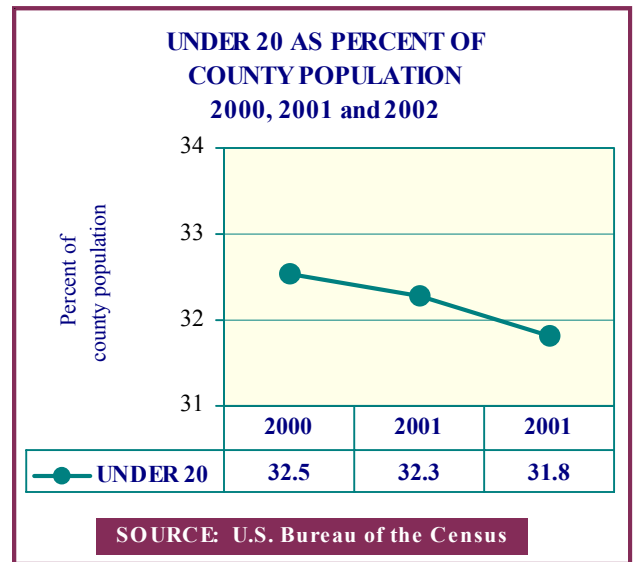
<sup>/1</sup> Hispanic or Latino origin may be of any race. Adding the Hispanic or Latino population to the racial categories will result in double counting.

**SOURCE: U.S. Bureau of the Census**



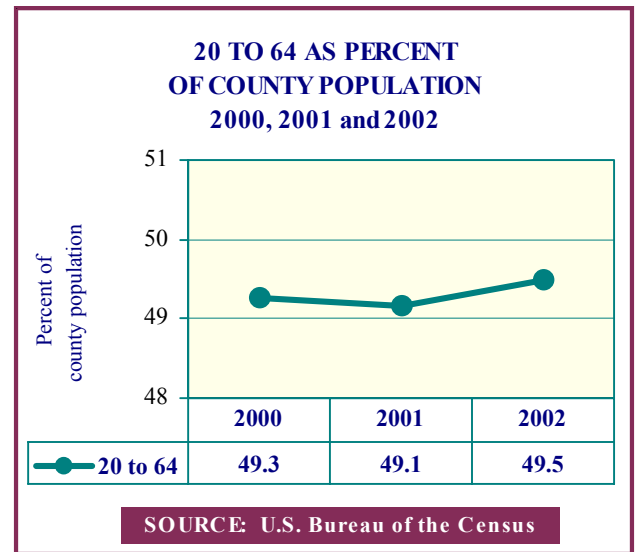
| <b>UNDER 20 POPULATION</b><br>2000, 2001 and 2002 |        |        |        |
|---|--------|--------|--------|
| Age Groups  | 2000   | 2001   | 2002   |
| Under 5 years                                     | 1,925  | 1,862  | 1,857  |
| 5 to 9 years                                      | 2,137  | 2,045  | 1,997  |
| 10 to 14 years                                    | 2,114  | 2,059  | 2,070  |
| 15 to 19 years                                    | 1,964  | 2,105  | 2,108  |
| Under 20 years                                    | 8,140  | 8,071  | 8,032  |
| County Population                                 | 25,016 | 25,002 | 25,238 |

Source: U.S. Bureau of the Census



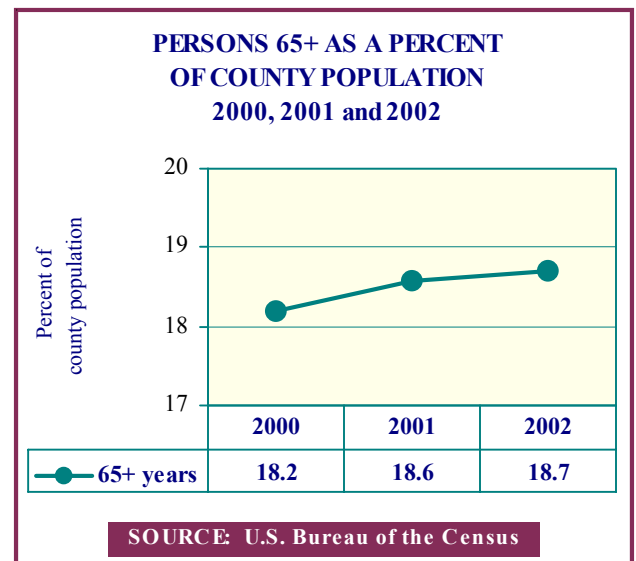
| <b>20 TO 64 POPULATION</b><br>2000, 2001 and 2002 |        |        |        |
|---|--------|--------|--------|
| Age Groups  | 2000   | 2001   | 2002   |
| 20 to 24 years                                    | 1,262  | 1,292  | 1,464  |
| 25 to 29 years                                    | 1,234  | 1,238  | 1,255  |
| 30 to 34 years                                    | 1,361  | 1,355  | 1,342  |
| 35 to 39 years                                    | 1,552  | 1,490  | 1,476  |
| 40 to 44 years                                    | 1,534  | 1,525  | 1,546  |
| 45 to 49 years                                    | 1,375  | 1,404  | 1,438  |
| 50 to 54 years                                    | 1,409  | 1,395  | 1,376  |
| 55 to 59 years                                    | 1,274  | 1,300  | 1,325  |
| 60 to 64 years                                    | 1,325  | 1,289  | 1,265  |
| 20 to 64 years                                    | 12,326 | 12,288 | 12,487 |
| County Population                                 | 25,016 | 25,002 | 25,238 |

Source: U.S. Bureau of the Census



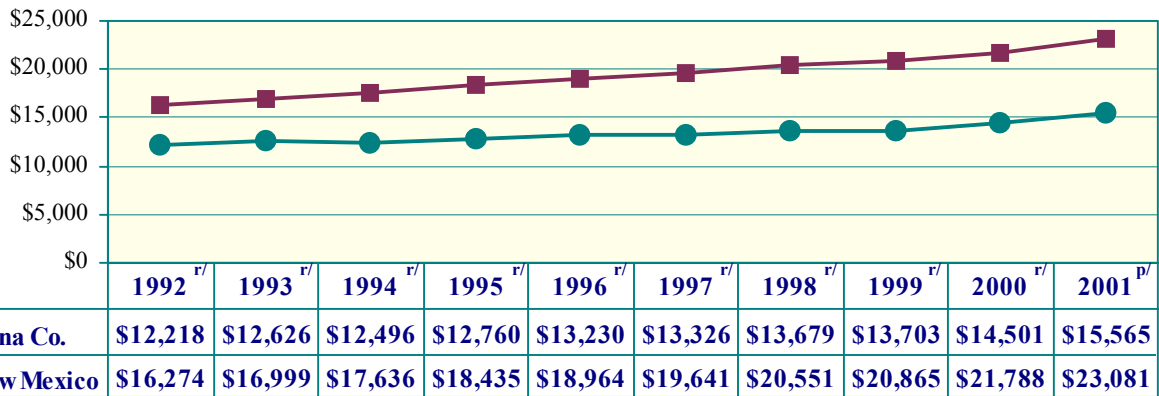
| <b>65 AND OLDER POPULATION</b><br>2000, 2001 and 2002 |        |        |        |
|---|--------|--------|--------|
| Age Groups  | 2000   | 2001   | 2002   |
| 65 to 69 years  | 1,439  | 1,412  | 1,363  |
| 70 to 74 years  | 1,246  | 1,235  | 1,269  |
| 75 to 79 years  | 876    | 938    | 986    |
| 80 to 84 years  | 569    | 605    | 631    |
| 85 and over   | 420    | 453    | 470    |
| 65 years and older                                    | 4,550  | 4,643  | 4,719  |
| County Population                                     | 25,016 | 25,002 | 25,238 |

Source: U.S. Bureau of the Census



**SOCIO-ECONOMIC - INCOME**

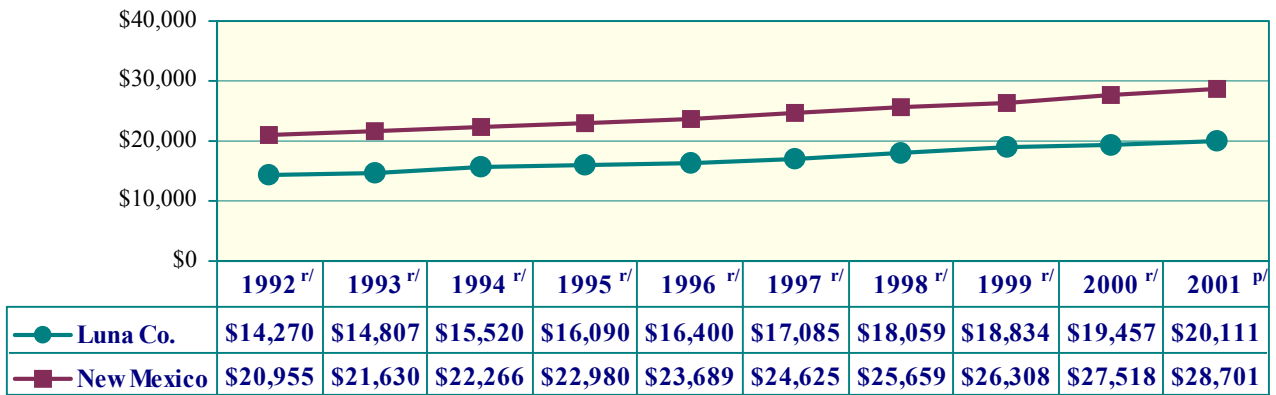
**PER CAPITA PERSONAL INCOME  
1992-2001**



<sup>r/</sup> Revised <sup>p/</sup> Preliminary

SOURCE: U.S. Dept of Commerce, Bureau of Economic Analysis, released May 2003.

**ANNUAL AVERAGE WAGE - SALARY PER JOB <sup>1/</sup>  
1992-2001**

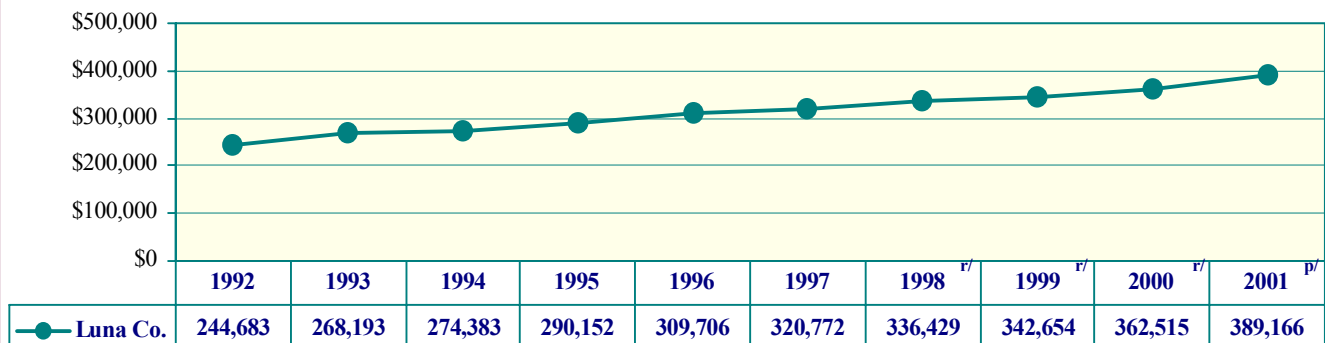


<sup>r/</sup> Revised <sup>p/</sup> Preliminary

<sup>1/</sup> The employment estimates used to compute the average wage are a job, not person, count.

SOURCE: U.S. Dept of Commerce, Bureau of Economic Analysis, released December 2002.

**TOTAL PERSONAL INCOME  
1992-2001**



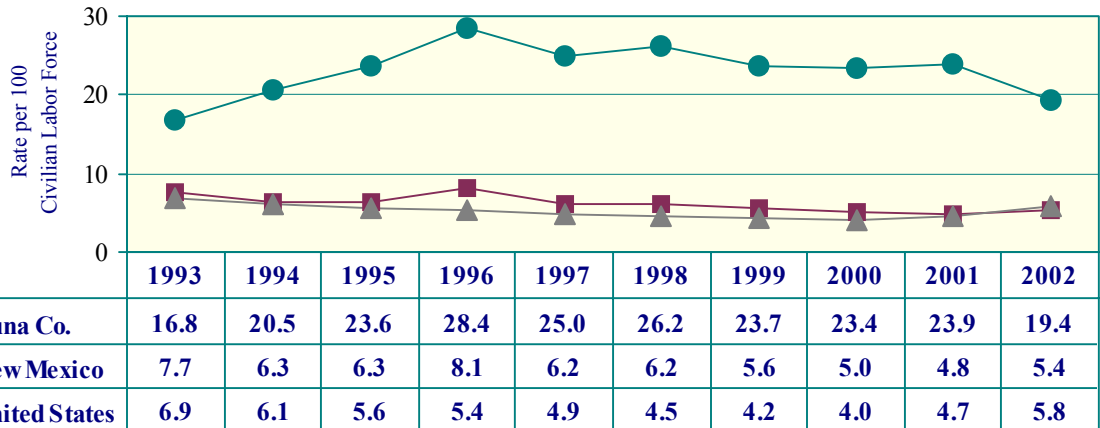
<sup>r/</sup> Revised <sup>p/</sup> Preliminary

See glossary for definition of Total Personal Income

SOURCE: U.S. Dept of Commerce, Bureau of Economic Analysis, released May 2003.



**UNEMPLOYMENT TRENDS  
ANNUAL RATES  
1993-2002**



SOURCE: U.S. Department of Labor, Bureau of Labor Statistics

**AVERAGE MONTHLY TANF AND FOOD STAMPS CASES  
FISCAL YEAR 2003  
(7/02 - 6/03)**

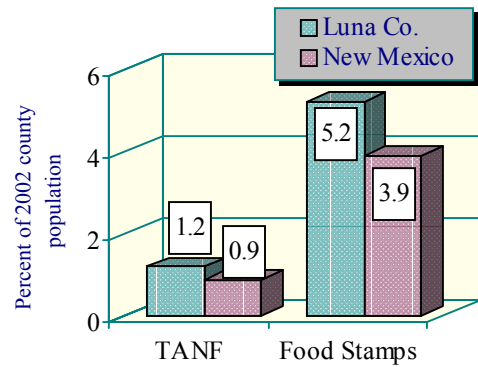
| Supplement  | Luna Co. |          | New Mexico |          |
|-------------|----------|----------|------------|----------|
|             | Number   | Percent* | Number     | Percent* |
| TANF        | 303      | 1.2      | 16,382     | 0.9      |
| Food Stamps | 1,321    | 5.2      | 72,411     | 3.9      |

\*Percent of county's estimated 2002 population.

NOTE: Starting July 1, 1999, changes were made in the methodology for counting TANF (Temporary Assistance for Needy Families) caseloads. Caution should be used when comparing data to previous fiscal years.

SOURCE: NM Human Services Department, Income Support Division.

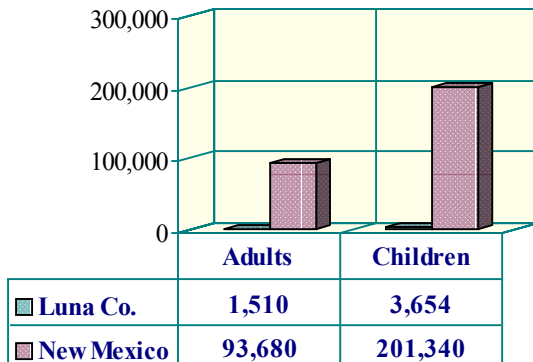
**AVERAGE MONTHLY PERCENT  
TANF AND FOOD STAMP CASES  
FISCAL YEAR 2003**



TANF = Temporary Assistance for Needy Families.

SOURCE: NM Human Services Department Income Support Division.

**AVERAGE MONTHLY MEDICAID  
ELIGIBLES\*  
FISCAL YEAR 2000**



\*Medicaid eligible counts do not include retroactive and late reported eligibility. Figures subject to change.

SOURCE: NM Human Services Department Income Support Division

**ESTIMATED NUMBER AND PERCENT  
OF PEOPLE IN POVERTY  
1999**

| Age                                  | Luna Co. |          | New Mexico |          |
|--------------------------------------|----------|----------|------------|----------|
|                                      | Number   | Percent* | Number     | Percent* |
| All Ages in Poverty                  | 7,405    | 29.8     | 326,223    | 18.2     |
| ----Children age < 18 years          | 3,088    | 41.4     | 133,194    | 26.4     |
| ----Related children ages 5-17 years | 2,339    | 43.0     | 92,333     | 25.0     |

See glossary for definition of poverty. \*Percent of Specified Age Group.

SOURCE: U.S. Census Bureau, "Estimates Model 1999."

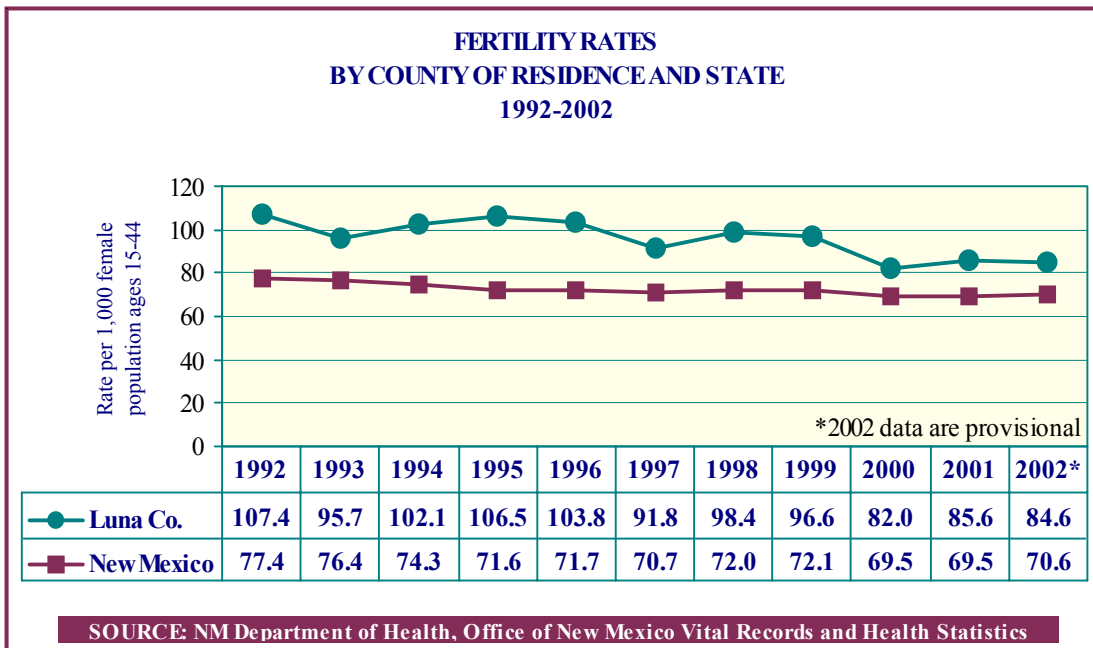
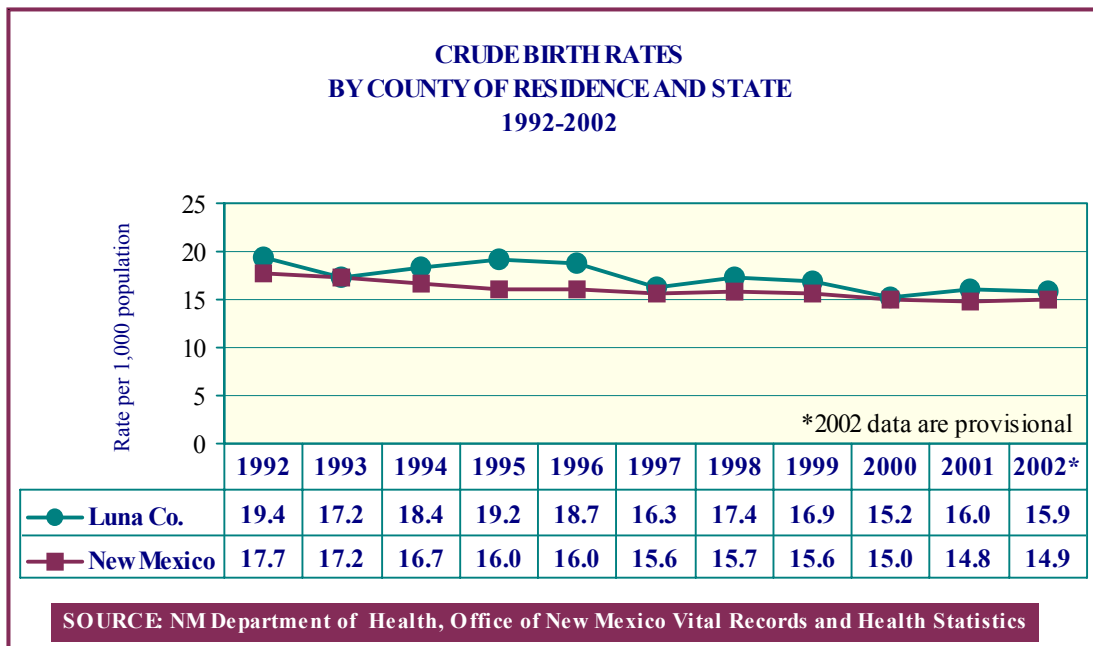
# MATERNAL AND INFANT HEALTH -LIVE BIRTHS

**RESIDENT LIVE BIRTHS  
BY COUNTY OF RESIDENCE AND STATE  
1992-2002**

|            | 1992   | 1993   | 1994   | 1995   | 1996   | 1997   | 1998   | 1999   | 2000   | 2001   | 2002*  |
|------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Luna Co.   | 385    | 362    | 398    | 429    | 430    | 385    | 417    | 411    | 381    | 400    | 402    |
| New Mexico | 27,910 | 27,831 | 27,585 | 26,914 | 27,216 | 26,844 | 27,294 | 27,133 | 27,206 | 27,101 | 27,708 |

\*2002 data are provisional

**SOURCE: NM Department of Health, Office of New Mexico Vital Records and Health Statistics**



**MATERNAL AND INFANT HEALTH -LIVE BIRTHS**

**LUNA COUNTY RESIDENT LIVE BIRTHS  
BY AGE OF MOTHER  
1992-2002**

| AGE   | 1992 | 1993 | 1994 | 1995 | 1996 | 1997 | 1998 | 1999 | 2000 | 2001 | 2002* |
|-------|------|------|------|------|------|------|------|------|------|------|-------|
| 15-19 | 104  | 103  | 108  | 119  | 113  | 87   | 104  | 100  | 89   | 85   | 89    |
| 20-24 | 112  | 106  | 133  | 132  | 151  | 129  | 151  | 145  | 131  | 124  | 134   |
| 25-29 | 83   | 84   | 80   | 87   | 90   | 78   | 88   | 87   | 72   | 104  | 88    |
| 30-34 | 55   | 40   | 51   | 58   | 47   | 55   | 43   | 53   | 59   | 55   | 60    |
| 35-39 | 22   | 22   | 24   | 25   | 24   | 24   | 24   | 23   | 23   | 20   | 27    |
| 40-44 | 6    | 6    | 2    | 7    | 3    | 8    | 5    | 1    | 7    | 10   | 4     |

\*2002 data are provisional

SOURCE: NM Department of Health, Office of New Mexico Vital Records and Health Statistics

**LUNA COUNTY RESIDENT BIRTH RATES\*\*  
BY AGE OF MOTHER  
1992-2002**

| AGE   | 1992  | 1993  | 1994  | 1995  | 1996  | 1997  | 1998  | 1999  | 2000  | 2001  | 2002* |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 15-19 | 145.9 | 133.4 | 132.8 | 138.2 | 125.3 | 93.4  | 108.8 | 104.2 | 93.0  | 82.9  | 85.8  |
| 20-24 | 222.2 | 196.7 | 237.9 | 224.9 | 248.4 | 207.4 | 237.0 | 224.8 | 190.1 | 179.2 | 176.8 |
| 25-29 | 159.3 | 164.1 | 160.0 | 175.4 | 179.3 | 154.5 | 171.5 | 166.3 | 109.6 | 157.3 | 131.7 |
| 30-34 | 88.4  | 62.0  | 77.7  | 88.8  | 73.3  | 89.4  | 73.1  | 93.3  | 82.1  | 77.4  | 87.0  |
| 35-39 | 38.1  | 35.7  | 37.7  | 37.6  | 34.9  | 34.7  | 34.4  | 33.2  | 28.6  | 25.6  | 34.0  |
| 40-44 | 9.2   | 8.6   | 2.7   | 9.1   | 3.7   | 9.7   | 5.9   | 1.2   | 8.5   | 12.4  | 5.0   |

\*2002 data are provisional      \*\*Rate per 1,000 women in specified group

SOURCE: NM Department of Health, Office of New Mexico Vital Records and Health Statistics

**NEW MEXICO RESIDENT BIRTH RATES\*\*  
BY AGE OF MOTHER  
1992-2002**

| AGE   | 1992  | 1993  | 1994  | 1995  | 1996  | 1997  | 1998  | 1999  | 2000  | 2001  | 2002* |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 15-19 | 79.8  | 80.7  | 77.2  | 74.3  | 70.8  | 68.0  | 69.1  | 67.2  | 65.5  | 63.1  | 62.3  |
| 20-24 | 153.9 | 150.4 | 142.2 | 134.0 | 135.0 | 133.6 | 135.8 | 137.6 | 136.1 | 134.2 | 132.1 |
| 25-29 | 129.0 | 131.7 | 129.7 | 125.5 | 131.8 | 129.8 | 132.1 | 128.0 | 117.0 | 119.3 | 123.3 |
| 30-34 | 75.8  | 74.7  | 76.5  | 77.2  | 76.6  | 79.1  | 79.6  | 82.7  | 77.2  | 77.2  | 79.1  |
| 35-39 | 31.3  | 30.8  | 31.3  | 31.3  | 32.5  | 31.5  | 33.8  | 34.1  | 33.3  | 33.5  | 35.0  |
| 40-44 | 6.9   | 5.9   | 7.0   | 6.6   | 7.4   | 7.0   | 6.8   | 7.1   | 7.6   | 7.5   | 7.1   |

\*2002 data are provisional      \*\*Rate per 1,000 women in specified group

SOURCE: NM Department of Health, Office of New Mexico Vital Records and Health Statistics

**UNITED STATES BIRTH RATES\*  
BY AGE OF MOTHER  
1992-2002**

| AGE   | 1992  | 1993  | 1994  | 1995  | 1996  | 1997  | 1998  | 1999  | 2000  | 2001  | 2002  |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 15-19 | 60.7  | 59.6  | 58.9  | 56.8  | 54.4  | 52.3  | 51.1  | 49.6  | 47.7  | 45.3  | 43.0  |
| 20-24 | 114.6 | 112.6 | 111.1 | 109.8 | 110.4 | 110.4 | 111.2 | 111.0 | 109.7 | 106.2 | 103.6 |
| 25-29 | 117.4 | 115.5 | 113.9 | 112.2 | 113.1 | 113.8 | 115.9 | 117.8 | 113.5 | 113.4 | 113.6 |
| 30-34 | 80.2  | 80.8  | 81.5  | 82.5  | 83.9  | 85.3  | 87.4  | 89.6  | 91.2  | 91.9  | 91.5  |
| 35-39 | 32.5  | 32.9  | 33.7  | 34.3  | 35.3  | 36.1  | 37.4  | 38.3  | 39.7  | 40.6  | 41.4  |
| 40-44 | 5.9   | 6.1   | 6.4   | 6.6   | 6.8   | 7.1   | 7.3   | 7.4   | 8.0   | 8.1   | 8.3   |

\* Rate per 1,000 women in specified group.

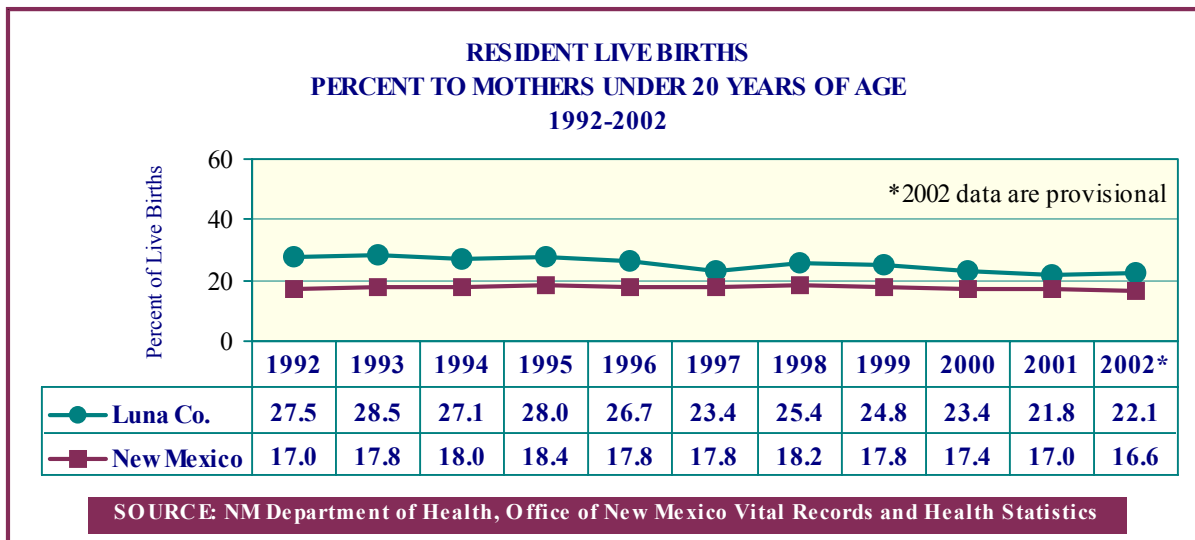
SOURCE: CDC's, National Center for Health Statistics: NVSR Volume 52, Number 10.

# MATERNAL AND INFANT HEALTH - *LIVE BIRTHS*

| RESIDENT LIVE BIRTHS<br>TO MOTHERS UNDER 20 YEARS OF AGE<br>1992-2002 |       |       |       |       |       |       |       |       |       |       |       |
|---|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
|   | 1992  | 1993  | 1994  | 1995  | 1996  | 1997  | 1998  | 1999  | 2000  | 2001  | 2002* |
| Luna Co.  | 106   | 103   | 108   | 120   | 115   | 90    | 106   | 102   | 89    | 87    | 89    |
| New Mexico  | 4,749 | 4,965 | 4,964 | 4,950 | 4,850 | 4,789 | 4,964 | 4,841 | 4,728 | 4,603 | 4,592 |

\*2002 data are provisional

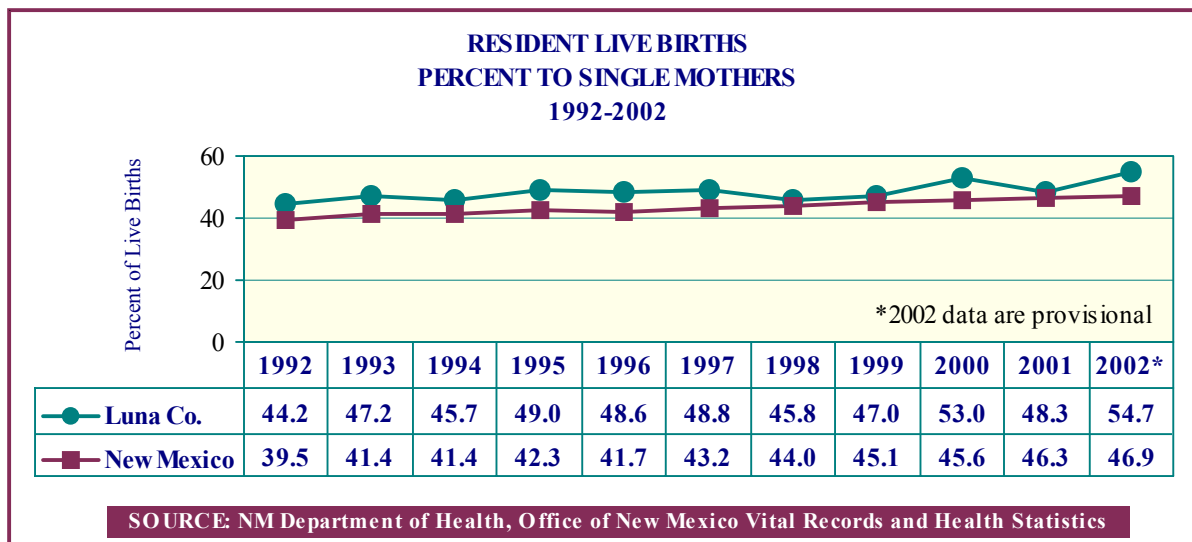
SOURCE: NM Department of Health, Office of New Mexico Vital Records and Health Statistics



| RESIDENT LIVE BIRTHS<br>TO SINGLE MOTHERS<br>1992-2002 |        |        |        |        |        |        |        |        |        |        |        |
|--|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
|  | 1992   | 1993   | 1994   | 1995   | 1996   | 1997   | 1998   | 1999   | 2000   | 2001   | 2002*  |
| Luna Co.   | 170    | 171    | 182    | 210    | 209    | 188    | 191    | 193    | 202    | 193    | 220    |
| New Mexico   | 11,021 | 11,522 | 11,408 | 11,388 | 11,347 | 11,590 | 12,021 | 12,236 | 12,400 | 12,549 | 12,984 |

\*2002 data are provisional

SOURCE: NM Department of Health, Office of New Mexico Vital Records and Health Statistics

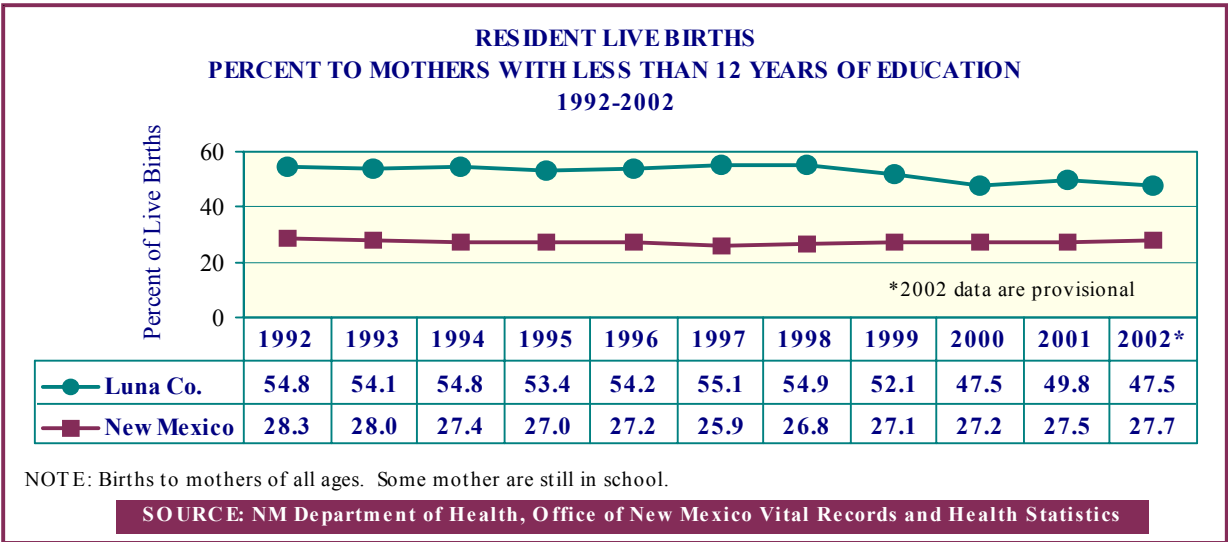


**RESIDENT LIVE BIRTHS  
TO MOTHERS WITH LESS THAN 12 YEARS OF EDUCATION  
1992-2002**

|            | 1992  | 1993  | 1994  | 1995  | 1996  | 1997  | 1998  | 1999  | 2000  | 2001  | 2002* |
|------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Luna Co.   | 211   | 196   | 218   | 229   | 233   | 212   | 229   | 214   | 181   | 199   | 191   |
| New Mexico | 7,898 | 7,806 | 7,545 | 7,269 | 7,415 | 6,961 | 7,309 | 7,342 | 7,408 | 7,459 | 7,679 |

\*2002 data are provisional      NOTE: Births to mothers of all ages. Some mothers are still in school.

**SOURCE: NM Department of Health, Office of New Mexico Vital Records and Health Statistics**

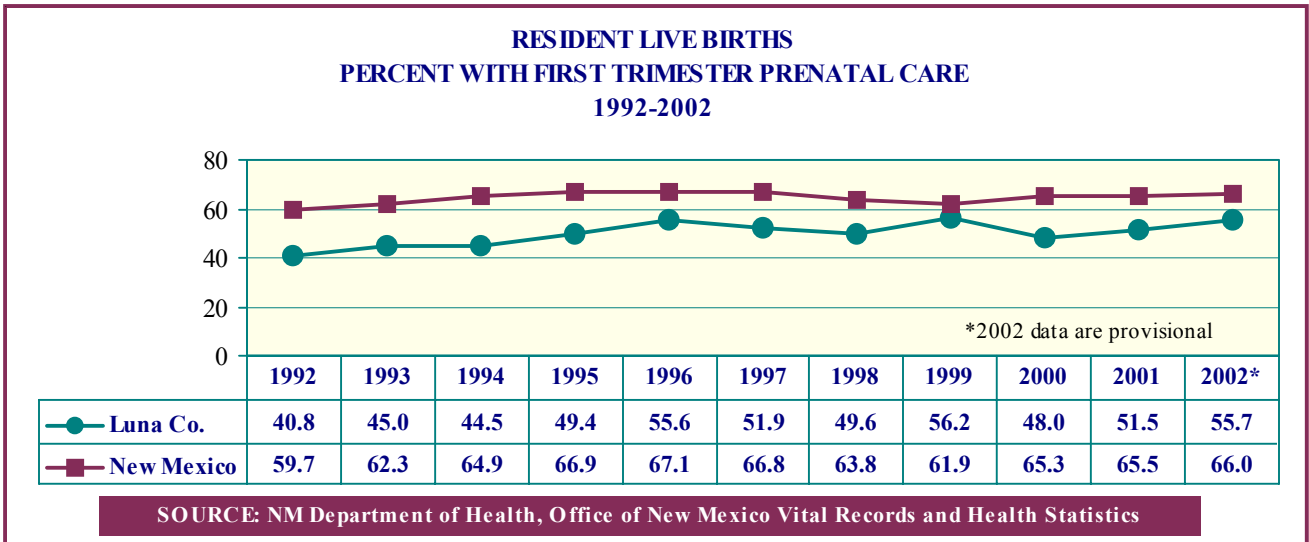


**RESIDENT LIVE BIRTHS  
WITH FIRST TRIMESTER PRENATAL CARE  
1992-2002**

|            | 1992   | 1993   | 1994   | 1995   | 1996   | 1997   | 1998   | 1999   | 2000   | 2001   | 2002*  |
|------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Luna Co.   | 157    | 163    | 177    | 212    | 239    | 200    | 207    | 231    | 183    | 206    | 224    |
| New Mexico | 16,656 | 17,344 | 17,893 | 18,011 | 18,264 | 17,932 | 17,411 | 16,790 | 17,757 | 17,741 | 18,293 |

\*2002 data are provisional

**SOURCE: NM Department of Health, Office of New Mexico Vital Records and Health Statistics**



**MATERNAL AND INFANT HEALTH - PRENATAL CARE**

**KESSNER INDEX VERSUS  
KOTELCHUCK INDEX**

Both the Kessner Index and the Kotelchuck Index utilize the month of pregnancy in which prenatal care began and the number of prenatal visits. The Kessner Index relies very heavily on the timing of the initiation of prenatal care. For example, inadequate prenatal care is defined as no prenatal care or care beginning in the third trimester. The Kessner Index has been modified by most states to allow for insufficient visits even when care was initiated early. The exact combination varies from state to state so that there is no standard modified Kessner.

The Kotelchuck Index is more sophisticated and uses two dimensions, the timing of the initiation of care and the adequacy of services received (ratio of observed visits to expected visits), which are combined into a single summary index.

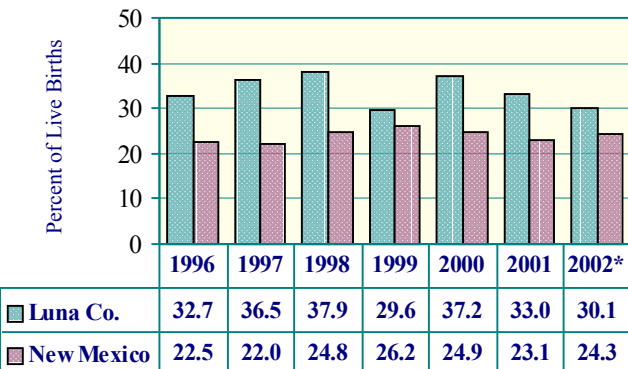
**RESIDENT LIVE BIRTHS  
ADEQUACY OF PRENATAL CARE UTILIZATION  
(Kotelchuck Index)  
1996-2002**

|                          | 1996  | 1997  | 1998  | 1999  | 2000  | 2001  | 2002* |
|--------------------------|-------|-------|-------|-------|-------|-------|-------|
| <b>Inadequate Care</b>   |       |       |       |       |       |       |       |
| Luna Co.                 | 136   | 135   | 156   | 120   | 135   | 127   | 111   |
| New Mexico               | 5,811 | 5,541 | 6,284 | 6,499 | 6,333 | 5,854 | 6,321 |
| <b>Intermediate Care</b> |       |       |       |       |       |       |       |
| Luna Co.                 | 75    | 57    | 58    | 51    | 50    | 37    | 56    |
| New Mexico               | 4,943 | 4,845 | 4,660 | 4,331 | 4,122 | 4,187 | 4,663 |
| <b>Adequate Care</b>     |       |       |       |       |       |       |       |
| Luna Co.                 | 112   | 92    | 89    | 126   | 85    | 104   | 92    |
| New Mexico               | 8,826 | 8,417 | 8,239 | 8,052 | 7,915 | 8,165 | 8,498 |
| <b>Intensive Care</b>    |       |       |       |       |       |       |       |
| Luna Co.                 | 93    | 86    | 109   | 109   | 93    | 117   | 110   |
| New Mexico               | 6,182 | 6,341 | 6,109 | 5,885 | 7,097 | 7,090 | 6,526 |

\* 2002 data are provisional

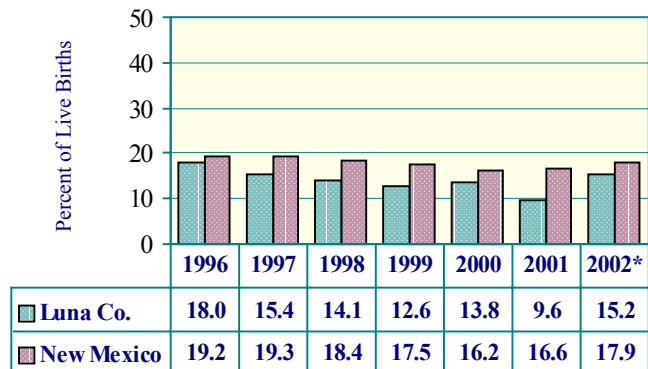
SOURCE: NM Department of Health, ONMVRHS

**PERCENT INADEQUATE  
PRENATAL CARE  
1996-2002**



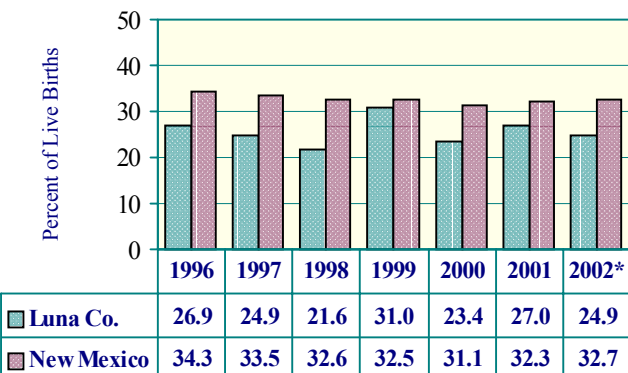
\*2002 data are provisional

**PERCENT INTERMEDIATE  
PRENATAL CARE  
1996-2002**



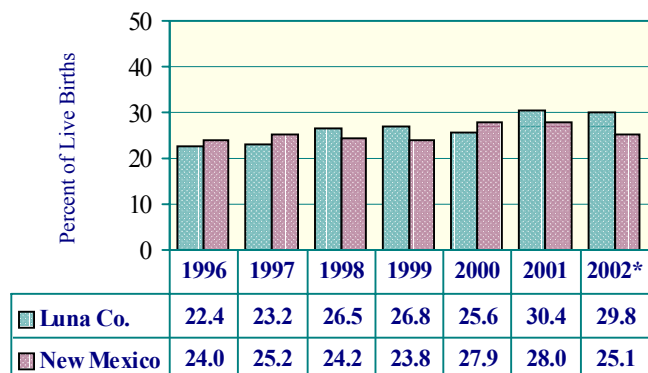
\*2002 data are provisional

**PERCENT ADEQUATE  
PRENATAL CARE  
1996-2002**



\*2002 data are provisional

**PERCENT INTENSIVE  
PRENATAL CARE  
1996-2002**



\*2002 data are provisional

SOURCE: NM Department of Health, Office of New Mexico Vital Records and Health Statistics

**MATERNAL AND INFANT HEALTH - *PRENATAL CARE***

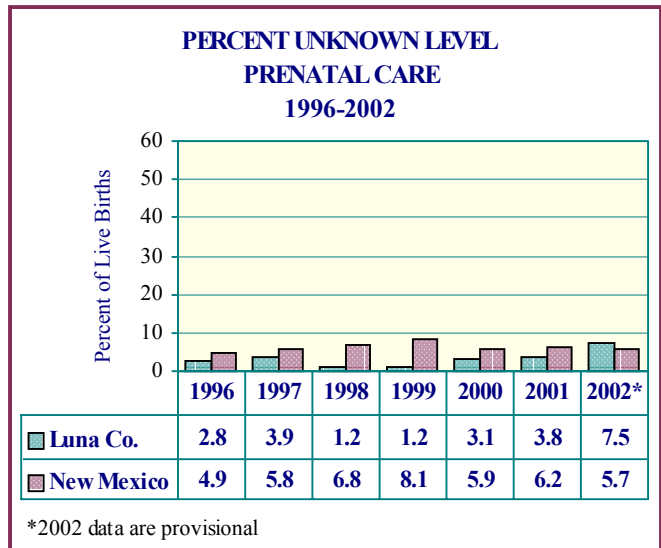
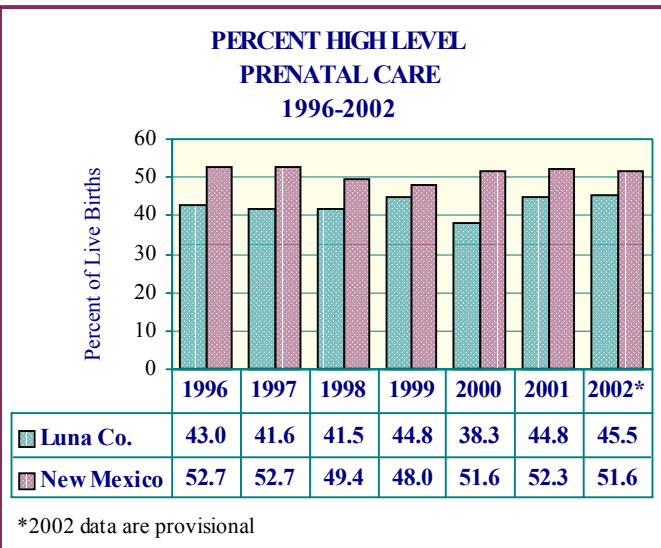
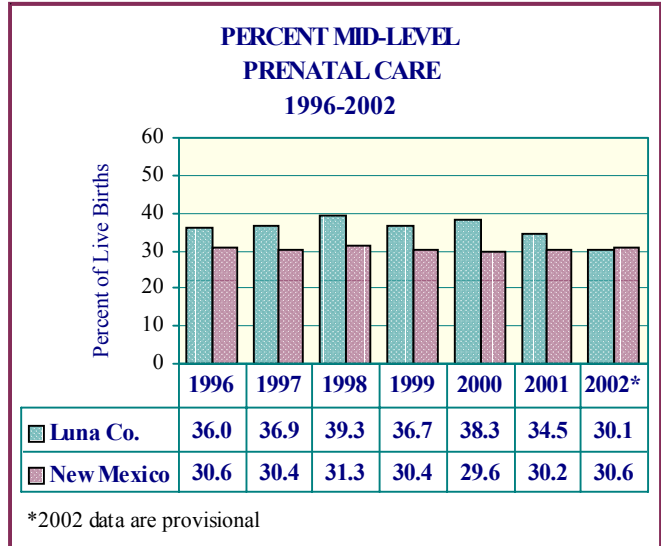
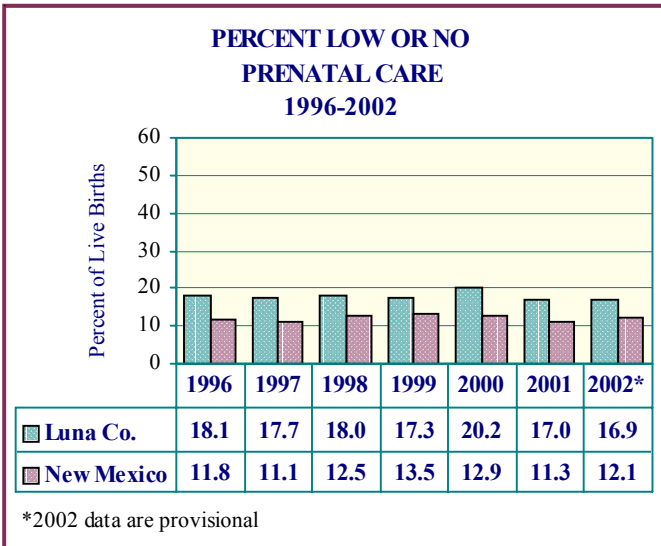
| <b>RESIDENT LIVE BIRTHS<br/>LEVEL OF PRENATAL CARE<br/>(Modified Kessner Index)<br/>1996-2002</b> |        |        |        |        |        |        |        |
|---|--------|--------|--------|--------|--------|--------|--------|
|   | 1996   | 1997   | 1998   | 1999   | 2000   | 2001   | 2002*  |
| <b>Low or No Prenatal Care</b>  |        |        |        |        |        |        |        |
| Luna Co.  | 78     | 68     | 75     | 71     | 77     | 68     | 68     |
| New Mexico  | 3,203  | 2,973  | 3,413  | 3,665  | 3,523  | 3,065  | 3,356  |
| <b>Mid-Level Prenatal Care</b>  |        |        |        |        |        |        |        |
| Luna Co.  | 155    | 142    | 164    | 151    | 146    | 138    | 121    |
| New Mexico  | 8,337  | 8,166  | 8,551  | 8,258  | 8,045  | 8,190  | 8,485  |
| <b>High Prenatal Care</b>   |        |        |        |        |        |        |        |
| Luna Co.  | 185    | 160    | 173    | 184    | 146    | 179    | 183    |
| New Mexico  | 14,331 | 14,139 | 13,476 | 13,025 | 14,035 | 14,164 | 14,284 |
| <b>Unknown Prenatal Care</b>  |        |        |        |        |        |        |        |
| Luna Co.  | 12     | 15     | 5      | 5      | 12     | 15     | 30     |
| New Mexico  | 1,345  | 1,566  | 1,854  | 2,185  | 1,603  | 1,682  | 1,581  |

\* 2002 data are provisional

**SOURCE: NM Department of Health, ONMVRHS**

| <b>MODIFIED KESSNER INDEX<br/>CLASSIFICATIONS OF LEVELS OF PRENATAL CARE</b> |                  |     |     |             |         |
|--|------------------|-----|-----|-------------|---------|
| NUMBER OF PRENATAL VISITS  | MONTH CARE BEGAN |     |     |             |         |
|  | 1-3              | 4-6 | 7-9 | NONE (0)    | UNKNOWN |
| 9+   | H                | M   | L   | L           | ?       |
| 5-8  | M                | M   | L   | L           | ?       |
| 1-4  | L                | L   | L   | L           | L       |
| NONE   | L                | L   | L   | (NONE)<br>L | L       |
| UNKNOWN  | ?                | ?   | L   | L           | ?       |

HIGH (OPTIMUM) LEVEL **H**      LOW or NO LEVEL **L**  
 MID-LEVEL **M**      UNKNOWN LEVEL **?**



**SOURCE: NM Department of Health, Office of New Mexico Vital Records and Health Statistics**

# MATERNAL AND INFANT HEALTH - TYPE OF ATTENDANT

## RESIDENT LIVE BIRTHS BY TYPE OF ATTENDANT 1992-2002

| Physician               |        |        |        |        |        |        |        |        |        |        |        |
|-------------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
|                         | 1992   | 1993   | 1994   | 1995   | 1996   | 1997   | 1998   | 1999   | 2000   | 2001   | 2002*  |
| Luna Co.                | 362    | 336    | 367    | 385    | 392    | 355    | 378    | 355    | 317    | 300    | 244    |
| New Mexico              | 23,454 | 22,492 | 22,309 | 21,965 | 22,101 | 21,387 | 20,932 | 19,696 | 19,407 | 19,063 | 19,231 |
| Certified Nurse Midwife |        |        |        |        |        |        |        |        |        |        |        |
| Luna Co.                | 3      | 16     | 20     | 26     | 22     | 16     | 26     | 40     | 54     | 94     | 146    |
| New Mexico              | 3,977  | 4,756  | 4,738  | 4,474  | 4,622  | 5,040  | 5,912  | 7,011  | 7,338  | 7,619  | 7,937  |
| Lay Midwife             |        |        |        |        |        |        |        |        |        |        |        |
| Luna Co.                | 15     | 4      | 4      | 5      | 5      | 6      | 8      | 6      | 4      | 3      | 4      |
| New Mexico              | 286    | 293    | 292    | 272    | 254    | 240    | 248    | 269    | 290    | 268    | 336    |
| Other                   |        |        |        |        |        |        |        |        |        |        |        |
| Luna Co.                | 5      | 6      | 7      | 13     | 11     | 8      | 5      | 10     | 6      | 3      | 8      |
| New Mexico              | 193    | 290    | 246    | 203    | 239    | 177    | 202    | 157    | 171    | 151    | 204    |

\*2002 data are provisional

SOURCE: NM Department of Health, Office of New Mexico Vital Records and Health Statistics

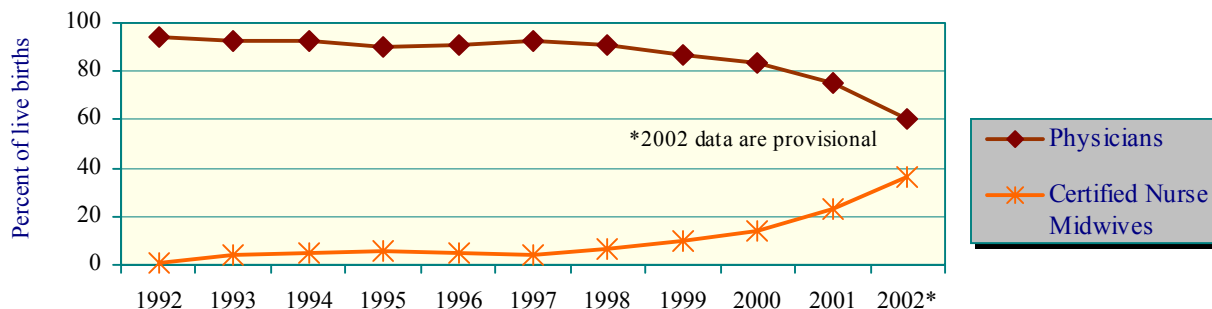
## PERCENT OF RESIDENT LIVE BIRTHS BY TYPE OF ATTENDANT 1992-2002

| Physician               |      |      |      |      |      |      |      |      |      |      |       |
|-------------------------|------|------|------|------|------|------|------|------|------|------|-------|
|                         | 1992 | 1993 | 1994 | 1995 | 1996 | 1997 | 1998 | 1999 | 2000 | 2001 | 2002* |
| Luna Co.                | 94.0 | 92.8 | 92.2 | 89.7 | 91.2 | 92.2 | 90.6 | 86.4 | 83.2 | 75.0 | 60.7  |
| New Mexico              | 84.0 | 80.8 | 80.9 | 81.6 | 81.2 | 79.7 | 76.7 | 72.6 | 71.3 | 70.3 | 69.4  |
| Certified Nurse Midwife |      |      |      |      |      |      |      |      |      |      |       |
| Luna Co.                | 0.8  | 4.4  | 5.0  | 6.1  | 5.1  | 4.2  | 6.2  | 9.7  | 14.2 | 23.5 | 36.3  |
| New Mexico              | 14.2 | 17.1 | 17.2 | 16.6 | 17.0 | 18.8 | 21.7 | 25.8 | 27.0 | 28.1 | 28.6  |
| Lay Midwife             |      |      |      |      |      |      |      |      |      |      |       |
| Luna Co.                | 3.9  | 1.1  | 1.0  | 1.2  | 1.2  | 1.6  | 1.9  | 1.5  | 1.0  | 0.8  | 1.0   |
| New Mexico              | 1.0  | 1.1  | 1.1  | 1.0  | 0.9  | 0.9  | 0.9  | 1.0  | 1.1  | 1.0  | 1.2   |
| Other                   |      |      |      |      |      |      |      |      |      |      |       |
| Luna Co.                | 1.3  | 1.7  | 1.8  | 3.0  | 2.6  | 2.1  | 1.2  | 2.4  | 1.6  | 0.8  | 2.0   |
| New Mexico              | 0.7  | 1.0  | 0.9  | 0.8  | 0.9  | 0.7  | 0.7  | 0.6  | 0.6  | 0.6  | 0.7   |

\*2002 data are provisional

SOURCE: NM Department of Health, Office of New Mexico Vital Records and Health Statistics

## PERCENT OF RESIDENT LIVE BIRTHS DELIVERED BY PHYSICIANS AND CERTIFIED NURSE MIDWIVES LUNA COUNTY 1992-2002



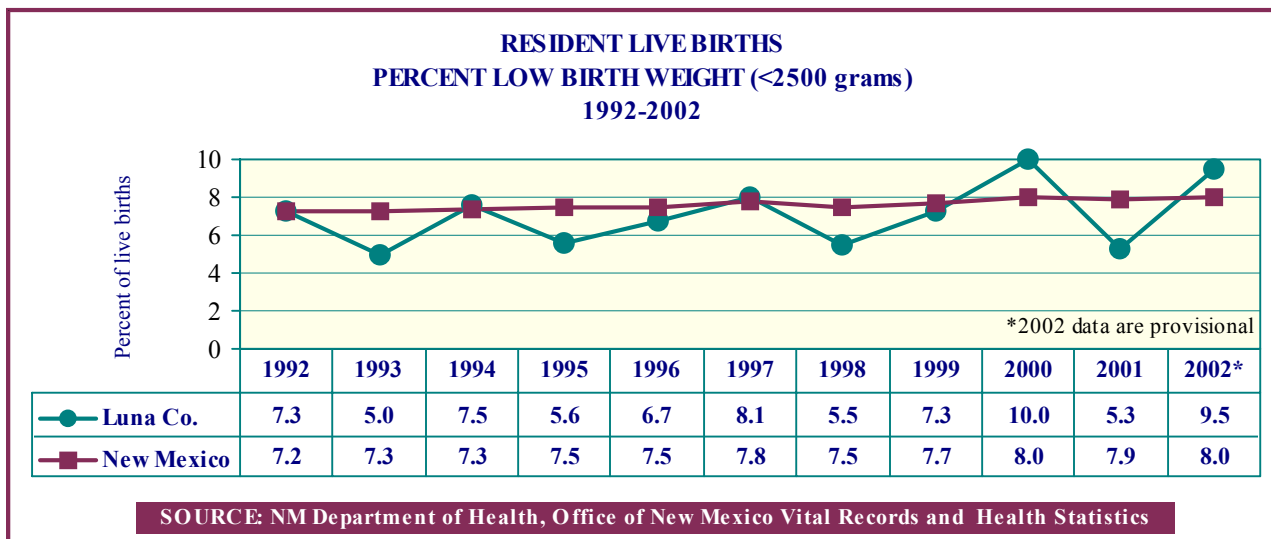
SOURCE: NM Department of Health, Office of New Mexico Vital Records and Health Statistics



| RESIDENT LIVE BIRTHS<br>LOW BIRTH WEIGHT BIRTHS (<2500 grams)<br>1992-2002 |       |       |       |       |       |       |       |       |       |       |       |
|--|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
|  | 1992  | 1993  | 1994  | 1995  | 1996  | 1997  | 1998  | 1999  | 2000  | 2001  | 2002* |
| Luna Co.   | 28    | 18    | 30    | 24    | 29    | 31    | 23    | 30    | 38    | 21    | 38    |
| New Mexico   | 2,014 | 2,032 | 2,023 | 2,017 | 2,041 | 2,086 | 2,042 | 2,078 | 2,180 | 2,147 | 2,224 |

\*2002 data are provisional

SOURCE: NM Department of Health, Office of New Mexico Vital Records and Health Statistics



**Low Birth Weight**

Low birth weight (LBW) is defined as an infant weight of less than 2,500 grams (5 1/2 lbs) at the time of delivery. Birth weight is one of the most important factors in determining the survival and health of an infant. Low birth weight is a public health problem since infants born LBW have increased infant mortality, morbidity, incidence of learning disabilities, and medical costs. Nationally, the risk factors for LBW include maternal age of less than seventeen and greater than 34 years, Black race/ethnicity, low socioeconomic status, single marital status, lower levels of maternal education, smoking, inadequate weight gain, low pre-pregnancy weight, and a variety of medical risk factors (Source: Data to Action).

Smoking, which retards fetal growth, is the single largest modifiable risk factor for LBW and infant mortality. It is estimated to account for 20 to 30% of all LBW births.

| RESIDENT LIVE BIRTHS<br>VERY LOW BIRTH WEIGHT BIRTHS (<1500 grams)<br>1994-2002 |           |         |           |         |            |         |
|---|-----------|---------|-----------|---------|------------|---------|
|   | 1994-1996 |         | 1997-1999 |         | 2000-2002* |         |
|   | Number    | Percent | Number    | Percent | Number     | Percent |
| Luna Co.  | 12        | 1.0     | 16        | 1.3     | 16         | 1.4     |
| New Mexico  | 894       | 1.1     | 880       | 1.1     | 1,005      | 1.2     |

\*2002 data are provisional

SOURCE: NM Department of Health, ONMVRHS

**High Birth Weight**

A woman with a history of gestational diabetes or delivery of a baby weighing >9 pounds is at risk of developing type 2 diabetes. In addition, if the baby has macrosomia (generally defined as a weight of 4000 g or more), he or she is at risk for obesity and also for developing type 2 diabetes later on in life. It should be noted that there is no widely agreed-upon weight definition. Any evaluation of fetal weight must be considered in the context of gestational age.

Sources: "Diabetes in the Life Cycle and Research," Vol. 4. 2003. Editor M. Franz. Published by the American Association of Diabetes Educators, Chicago Illinois. *Diabetes Care Journal*, Supplement 1, January 2003 Vol. (26).

| RESIDENT LIVE BIRTHS<br>HIGH BIRTH WEIGHT BIRTHS (4090+ grams, 9 pounds)<br>1994-2002 |           |         |           |         |            |         |
|---|-----------|---------|-----------|---------|------------|---------|
|   | 1994-1996 |         | 1997-1999 |         | 2000-2002* |         |
|   | Number    | Percent | Number    | Percent | Number     | Percent |
| Luna Co.  | 68        | 5.4     | 64        | 5.3     | 46         | 3.9     |
| New Mexico  | 4,010     | 5.2     | 3,810     | 4.9     | 3,674      | 4.7     |

\*2002 Data are provisional

SOURCE: NM Department of Health, ONMVRHS

**MATERNAL AND INFANT HEALTH - MEDICAID BIRTHS / SUPPLEMENTAL PROGRAMS / FEMALE POPULATION**

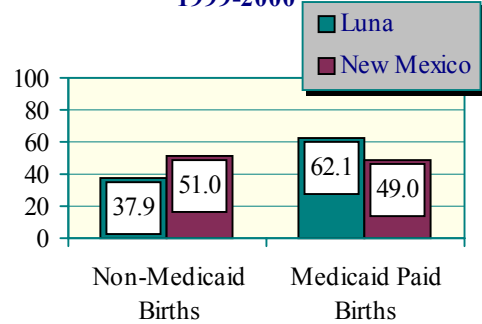
**Medicaid** is a Federal-State matching entitlement program that pays for medical assistance. Originating in 1965 as Title XIX of the Social Security Act, it was created as a medical extension of the federally funded cash income assistance program emphasizing care for dependent children and their mothers, the disabled, and the elderly.

Federal and state initiatives intending to expand access to maternity and child health care have resulted in dramatic changes in policy and manner of health care delivery. Federal Omnibus Budget Reconciliation Acts (OBRA) of 1986, 1987, and 1989 required states to grant Medicaid eligibility/coverage for pregnant woman and infants, ultimately, at or below the 133% of federal poverty levels, and allow for eligibility up to 185%. The State of New Mexico followed this progression and complimented the initiatives by extending eligibility up to 225% of federal poverty levels.

Statewide, Medicaid paid for 49% of births.

**PERCENT OF COUNTY AND OF NEW MEXICO RESIDENT BIRTHS BY MEDICAID STATUS**

1999-2000



SOURCE: NM Department of Health, ONMVRHS and Human Services Department  
*Paid By Medicaid Final Report 2003*

**NEW MEXICO RESIDENT BIRTHS BY MEDICAID STATUS 1999-2000**

| Residence  | Non-Medicaid Births | Medicaid Paid Births | Total Births |
|------------|---------------------|----------------------|--------------|
| Luna       | 300                 | 492                  | 792          |
| New Mexico | 27,710              | 26,600               | 54,310       |

SOURCE: NM Department of Health, ONMVRHS and Human Services Department  
*Paid By Medicaid Final Report 2003*

Compared to mothers of children whose births were not paid by Medicaid, Medicaid mothers in New Mexico tended to:

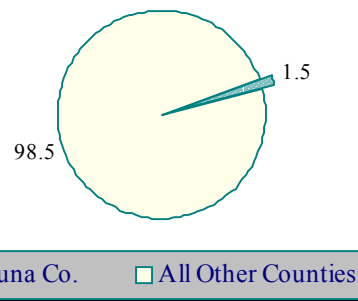
- Be younger;
- Be White Hispanic;
- Have fewer years of education;
- Have lower levels of prenatal care;
- Be outside of the major metropolitan areas;
- Be more at risk for preterm and low weight births.

**WOMEN, INFANT & CHILDREN (WIC) PROGRAM & COMMODITY SUPPLEMENTAL FOOD PROGRAM (CSFP) POTENTIAL ELIGIBLES FISCAL YEAR 2001**

|            | Estimated Potential Eligible | WIC Recipients | CSFP Recipients | Percent Served |
|------------|------------------------------|----------------|-----------------|----------------|
| Luna Co.   | 1,492                        | 1,225          | 176             | 93.9           |
| New Mexico | 96,571                       | 55,934         | 4,889           | 63.0           |

SOURCE: NM Department of Health  
Family Food & Nutrition Services, WIC Program

**PERCENT OF ALL NEW MEXICO WIC AND CSFP ESTIMATED ELIGIBLES FISCAL YEAR 2001**



SOURCE: NM Department of Health  
Family Food & Nutrition Services, WIC Program

**LUNA FEMALE POPULATION AGES 15-44 2000, 2001 and 2002**

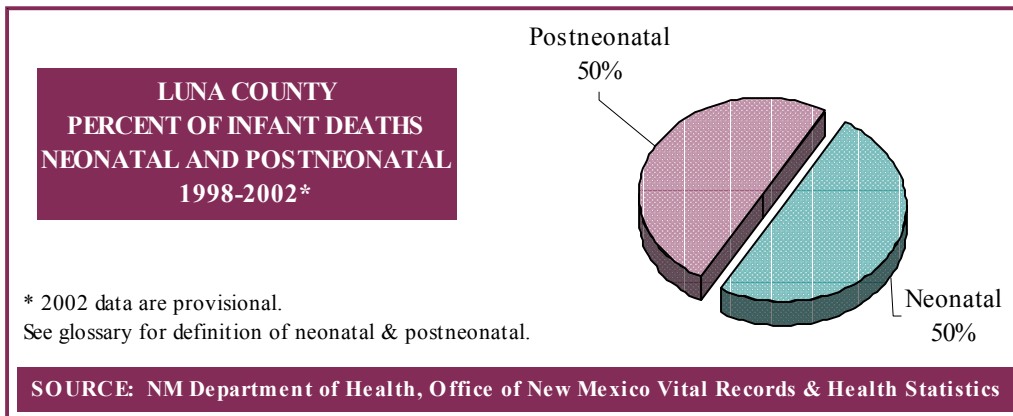
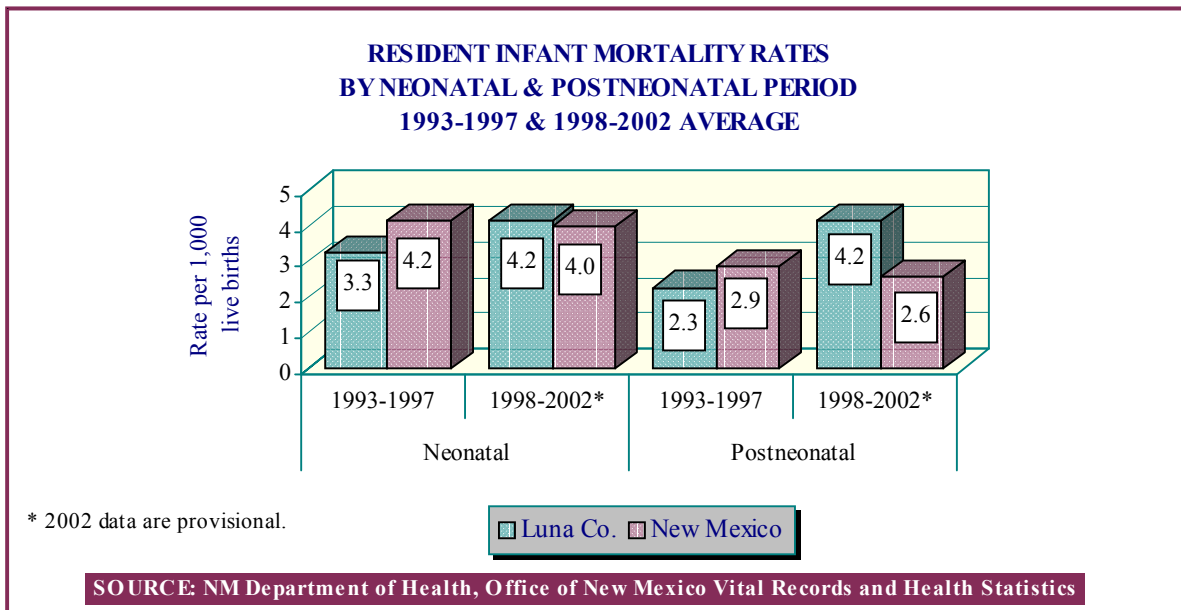
| Age Groups     | 2000 | 2001  | 2002  | Age Groups     | 2000  | 2001  | 2002  |
|----------------|------|-------|-------|----------------|-------|-------|-------|
| 15 to 19 years | 957  | 1,025 | 1,037 | 35 to 39 years | 803   | 780   | 794   |
| 20 to 24 years | 689  | 692   | 758   | 40 to 44 years | 823   | 804   | 804   |
| 25 to 29 years | 657  | 661   | 668   | 15 to 44 years | 4,648 | 4,673 | 4,751 |
| 30 to 34 years | 719  | 711   | 690   |                |       |       |       |

Source: U.S. Bureau of the Census

| RESIDENT INFANT DEATHS<br>NEONATAL AND POSTNEONATAL MORTALITY RATES<br>1993-1997 & 1998-2002 AVERAGE |                   |            |           |            |              |            |
|--|-------------------|------------|-----------|------------|--------------|------------|
|  | All Infant Deaths |            | Neonatal  |            | Postneonatal |            |
|  | 1993-1997         | 1998-2002* | 1993-1997 | 1998-2002* | 1993-1997    | 1998-2002* |
| Luna Co.   | 5.6               | 8.4        | 3.3       | 4.2        | 2.3          | 4.2        |
| New Mexico   | 7.1               | 6.6        | 4.2       | 4.0        | 2.9          | 2.6        |

\* 2002 data are provisional.  
Rate per 1,000 live births in mid year.

SOURCE: NM Department of Health, ONMVRHS



| INFANT MORTALITY RATES<br>BY COUNTY OF RESIDENCE FOR SELECTED CAUSES<br>1993-1997 & 1998-2002 AVERAGE |                   |            |               |            |                 |            |           |            |
|---|-------------------|------------|---------------|------------|-----------------|------------|-----------|------------|
|   | All Infant Deaths |            | Birth Defects |            | Short Gestation |            | SIDS      |            |
|   | 1993-1997         | 1998-2002* | 1993-1997     | 1998-2002* | 1993-1997       | 1998-2002* | 1993-1997 | 1998-2002* |
| Luna Co.  | 5.6               | 8.4        | 1.7           | 4.6        | 0.0             | 1.0        | 1.0       | 0.0        |
| New Mexico  | 7.1               | 6.6        | 1.7           | 1.8        | 1.3             | 1.4        | 1.1       | 0.6        |

\*2002 data are provisional

NOTE: Rate per 1,000 live births. Subcategory rates may not add up to all infant death rate due to rounding.  
Due to the implementation of ICD-10 in 1999, comparability ratios have been applied to statistics for years prior to 1999. Rates and numbers may not equal those previously reported due to the application of comparability ratios.

SOURCE: NM Department of Health, Office of New Mexico Vital Records and Health Statistics

# CHILD HEALTH - CHRONIC CONDITIONS & CHILD ABUSE

| NEW MEXICO RESIDENTS AGES 20 AND YOUNGER<br>SELECTED DIAGNOSES REPORTED<br>TO CHILDRENS CHRONIC CONDITIONS REGISTRY<br>2000 |          |       |            |        |
|---|----------|-------|------------|--------|
|   | Luna Co. |       | New Mexico |        |
|   | Number   | Rate  | Number     | Rate   |
| Children in Registry  | 636      | 755.4 | 90,763     | 1534.5 |
| Congenital Anomalies - All  | 222      | 263.7 | 22,241     | 376.0  |
| ---Neural Tube Defects  | 16       | 19.0  | 870        | 14.7   |
| ---Cleft Lip/Cleft Palate   | 27       | 32.1  | 2,946      | 49.8   |
| ---Down Syndrome  | 13       | 15.4  | 997        | 16.9   |
| ---All Other Anomalies  | 166      | 197.2 | 17,428     | 294.6  |
| Asthma  | 143      | 169.9 | 20,904     | 353.4  |

\* = 1-3    \*\* = 0  
Rates per 10,000 population ages 20 years and younger  
NOTE: Children in registry totals include all other conditions not listed above.

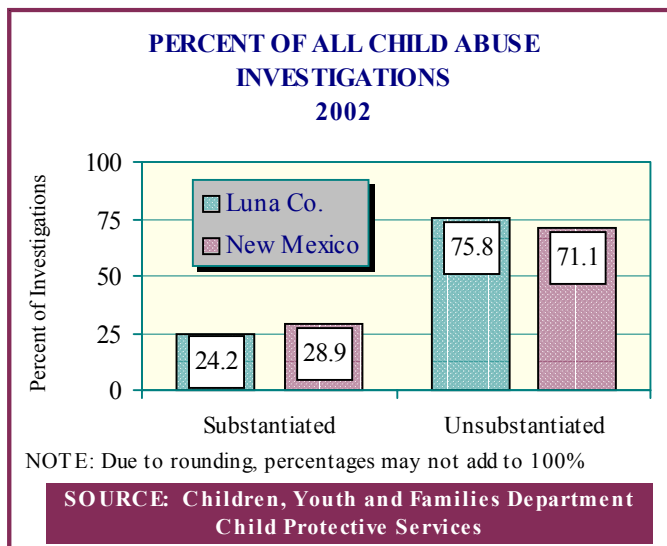
**SOURCE: NM Department of Health  
Children's Medical Services**

| CHILD ABUSE CASES<br>NUMBER AND TYPE OF INVESTIGATIONS<br>2002 |               |                 |        |
|--|---------------|-----------------|--------|
|  | Substantiated | Unsubstantiated | Total  |
| Luna Co.   | 54            | 169             | 223    |
| New Mexico   | 4,089         | 10,067          | 14,156 |

**Substantiated** means that through the course of the investigation, the social worker determined that the child(ren) who is the subject of the report has been determined to have been the victim of abuse and/or neglect. In other words the allegations are true.

An **unsubstantiated** investigation indicates that the investigator was unable to determine that the allegation(s) was, true.

**SOURCE: NM Children, Youth and Families  
Department, Child Protective Services**





Sometimes children have special developmental needs or health concerns that may put them at risk for or cause a developmental delay.

Through the Department of Health's Family Infant Toddler (FIT) Program early intervention services are available to help families who have concerns about the development of their young child (birth to three).

| INDIVIDUALIZED FAMILY SERVICE PLAN (IFSP)<br>ELIGIBILITY STATUS<br>FOR FY03  |        |            |
|--|--------|------------|
| ELIGIBILITY  | Luna   | New Mexico |
|  | NUMBER | NUMBER     |
| At Risk, Environmental   | 6      | 665        |
| At Risk, Medical/Biological  | 6      | 1,150      |
| Developmental Delay  | 63     | 2,937      |
| Established Condition  | 5      | 470        |
| The eligibility category of children with an active IFSP during FY 2003 is reported. Children are eligible for FIT Program service through one of four eligibility categories: a developmental delay of 25% or more in one of five developmental areas, an established condition (such as Down's Syndrome) that usually leads to a developmental delay, or a medical / biological risk or an environmental risk for a developmental delay. |        |            |
| SOURCE: DOH Long Term Services Division<br>Family Infant Toddler (FIT) Program   |        |            |

| INDIVIDUALIZED FAMILY SERVICE PLAN (IFSP)<br>BY RACE/ ETHNICITY<br>FOR FY03   |        |            |
|---|--------|------------|
| RACE/ ETHNICITY   | Luna   | New Mexico |
|   | NUMBER | NUMBER     |
| American Indian or Alaskan Native   | 0      | 779        |
| Asian or Pacific Islander   | 0      | 43         |
| Black or African American (not Hispanic)  | ^      | 130        |
| Hispanic or Latino  | 63     | 2,696      |
| White (not Hispanic)  | 13     | 1,574      |
| The race / ethnicity of children with active IFSP during FY 2003 is reported<br>^Statistics not displayed due to less than 5 cases. |        |            |
| SOURCE: DOH Long Term Services Division<br>Family Infant Toddler (FIT) Program  |        |            |

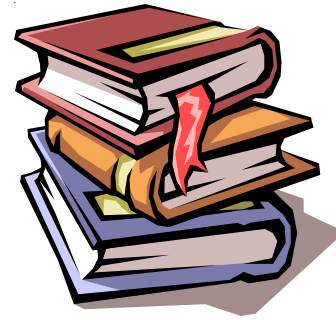
| INDIVIDUALIZED FAMILY SERVICE PLAN (IFSP)<br>BY AGE OF CHILD<br>on 12/1/2002                                     |        |         |            |         |
|--|--------|---------|------------|---------|
| AGE OF CHILD   | Luna   |         | New Mexico |         |
|  | NUMBER | PERCENT | NUMBER     | PERCENT |
| Less Than 1 year   | ^      | ^       | 458        | 17.9    |
| 1 to 2 years   | 15     | -       | 707        | 27.6    |
| 2 to 3 years   | 15     | -       | 1048       | 41.0    |
| 3 years and older  | 9      | -       | 345        | 13.5    |
| Total  | -      | 100.0   | 2558       | 100.0   |
| The age of child with an IFSP on December 1st as reported<br>^Statistics not displayed due to less than 5 cases. |        |         |            |         |
| SOURCE: DOH Long Term Services Division<br>Family Infant Toddler (FIT) Program                                   |        |         |            |         |

Fiscal Year 2003 = July 01, 2002 to June 30, 2003

**CHILD HEALTH - SCHOOL ENROLLMENT**

| PRIVATE AND PUBLIC SCHOOL ENROLLMENT<br>KINDERGARTEN THROUGH 8TH GRADE<br>2002-2003 |          |        |            |         |
|---|----------|--------|------------|---------|
| GRADE   | Luna Co. |        | New Mexico |         |
|   | PRIVATE  | PUBLIC | PRIVATE    | PUBLIC  |
| Kindergarten  | 0        | 382    | 3,525      | 22,638  |
| 1st Grade   | 0        | 412    | 2,667      | 23,706  |
| 2nd Grade   | 0        | 419    | 2,738      | 23,550  |
| 3rd Grade   | 0        | 441    | 2,601      | 24,012  |
| 4th Grade   | 0        | 423    | 2,553      | 24,995  |
| 5th Grade   | 0        | 450    | 2,554      | 25,310  |
| 6th Grade   | 0        | 474    | 2,666      | 25,702  |
| 7th Grade   | 0        | 402    | 2,628      | 25,425  |
| 8th Grade   | 0        | 433    | 2,555      | 25,630  |
| Total   | 0        | 3,836  | 24,487     | 220,968 |

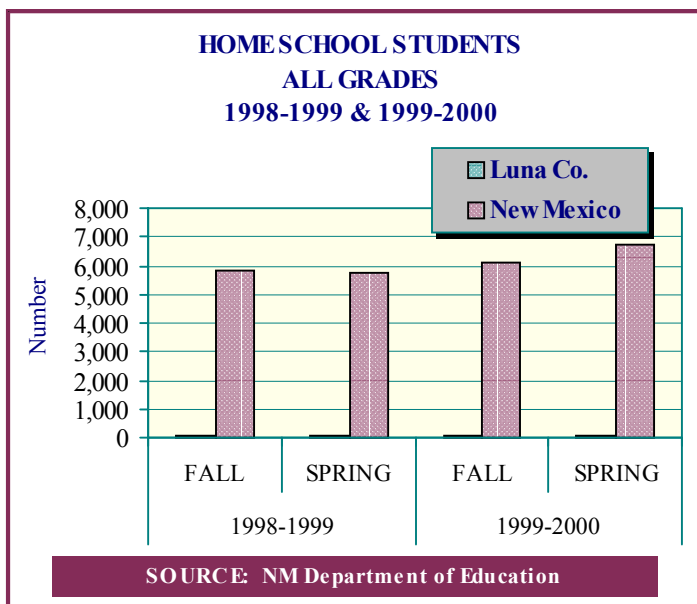
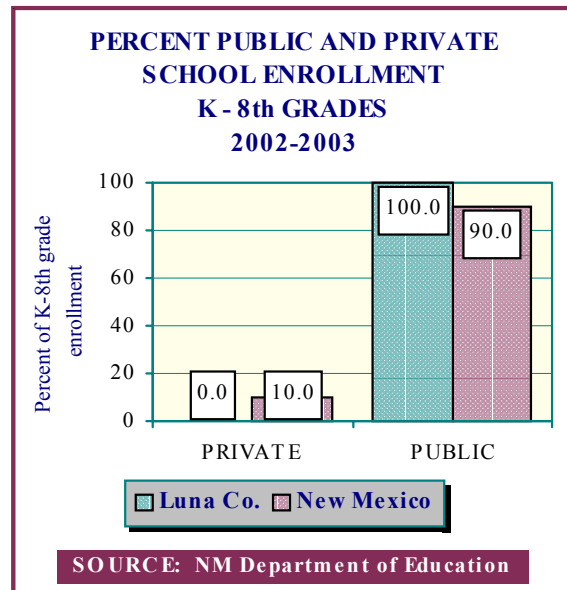
SOURCE: NM Department of Education



| HOMESCHOOL STUDENTS<br>ALL GRADES<br>1998-1999 & 1999-2000 |           |        |           |        |
|--|-----------|--------|-----------|--------|
|  | 1998-1999 |        | 1999-2000 |        |
|  | FALL      | SPRING | FALL      | SPRING |
| Luna Co.   | 41        | 52     | 46        | 76     |
| New Mexico   | 5,796     | 5,728  | 6,080     | 6,732  |

NOTE: These are the number of home school students reporting to the New Mexico Department of Education.

SOURCE: NM Department of Education

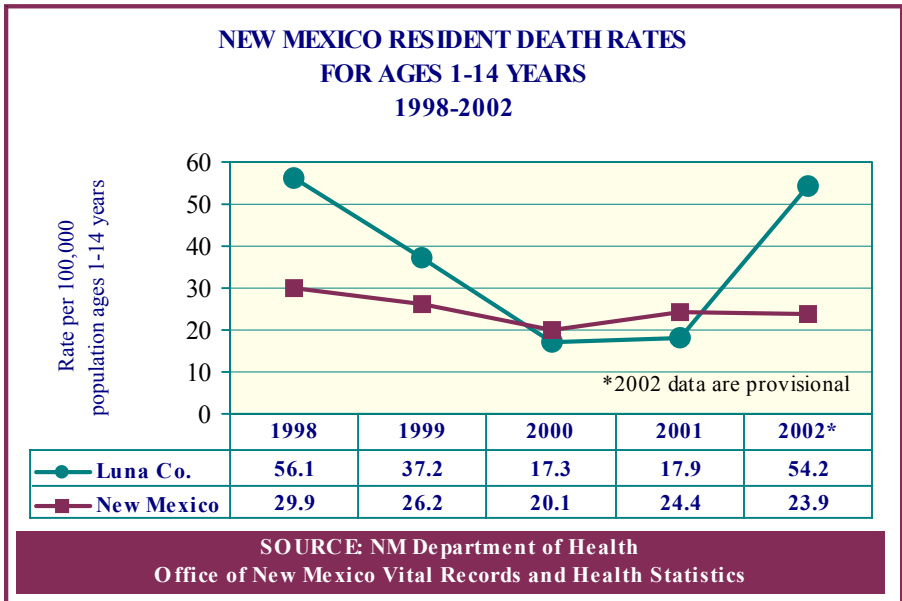


**NEW MEXICO  
RESIDENT DEATHS  
FOR AGES 1-14 YEARS  
1992-2002**

| Year  | Luna Co. | New Mexico |
|-------|----------|------------|
| 1992  | 2        | 120        |
| 1993  | 0        | 133        |
| 1994  | 2        | 125        |
| 1995  | 7        | 123        |
| 1996  | 0        | 128        |
| 1997  | 1        | 106        |
| 1998  | 3        | 115        |
| 1999  | 2        | 100        |
| 2000  | 1        | 79         |
| 2001  | 1        | 94         |
| 2002* | 3        | 92         |

\*2002 data are provisional

SOURCE: NM Department of Health  
ONMVRHS



**NEW MEXICO RESIDENT DEATHS  
LEADING CAUSES OF DEATH - AGES 1-14 YEARS  
1998-2002\* AVERAGE**

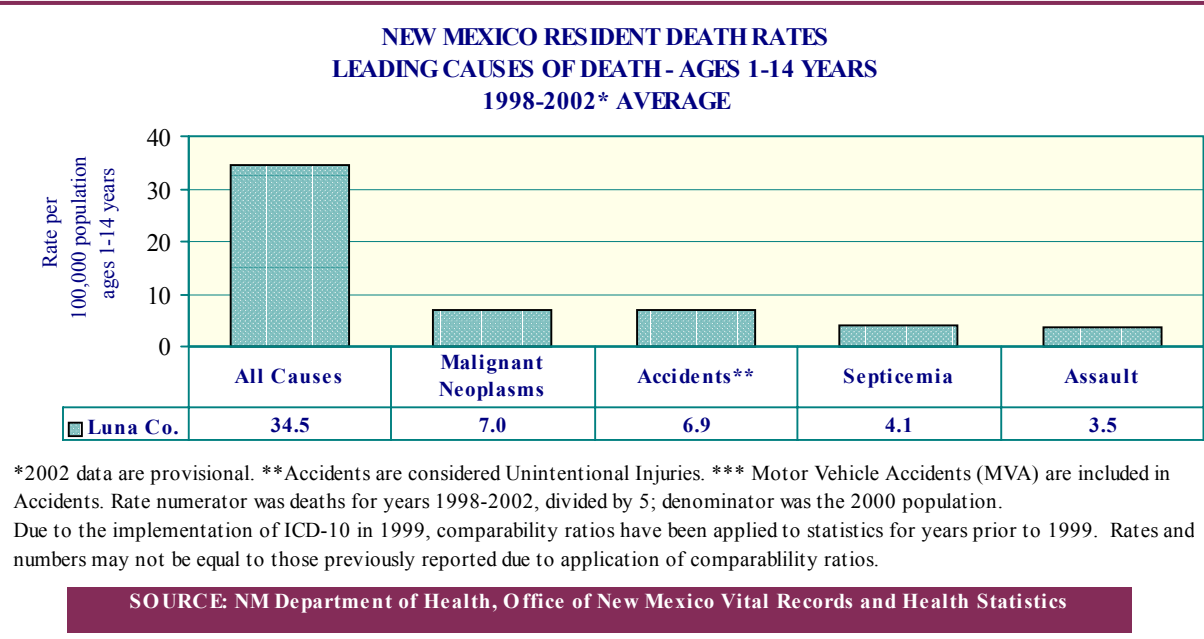
| LUNA COUNTY                        |        |       | NEW MEXICO                         |        |       |
|------------------------------------|--------|-------|------------------------------------|--------|-------|
| Causes                             | Number | Rate  | Causes                             | Number | Rate  |
| All Causes                         | 10     | 34.5  | All Causes                         | 480    | 24.4  |
| Malignant Neoplasms                | 2      | 7.0   | Accidents (Unintentional Injuries) | 190    | 9.7   |
| Accidents (Unintentional Injuries) | 2      | 6.9   | ---(Motor Vehicle Accidents)       | (128)  | (6.5) |
| ---(Motor Vehicle Accidents)       | (0)    | (0.0) | Congenital Malformations           | 45     | 2.3   |
| Septicemia                         | 1      | 4.1   | Malignant Neoplasms                | 39     | 2.0   |
| Assault (Homicide)                 | 1      | 3.5   | Assault (Homicide)                 | 37     | 1.9   |

\* 2002 data are provisional

Rate per 100,000 population ages 1-14 years. Rate numerator was deaths for years 1998-2002, divided by 5; denominator was the 2000 population.

Due to the implementation of ICD-10 in 1999, comparability ratios have been applied to statistics for years prior to 1999. Rates and numbers may not equal those previously reported due to the application of comparability ratios.

SOURCE: NM Department of Health, Office of New Mexico Vital Records and Health Statistics





# ADOLESCENT/YOUTH (15-19) YEARS - SCHOOL ENROLLMENT & DROPOUT RATE

**PUBLIC HIGH SCHOOL ENROLLMENT  
GRADES 9-12  
SCHOOL YEARS 2000-2003**

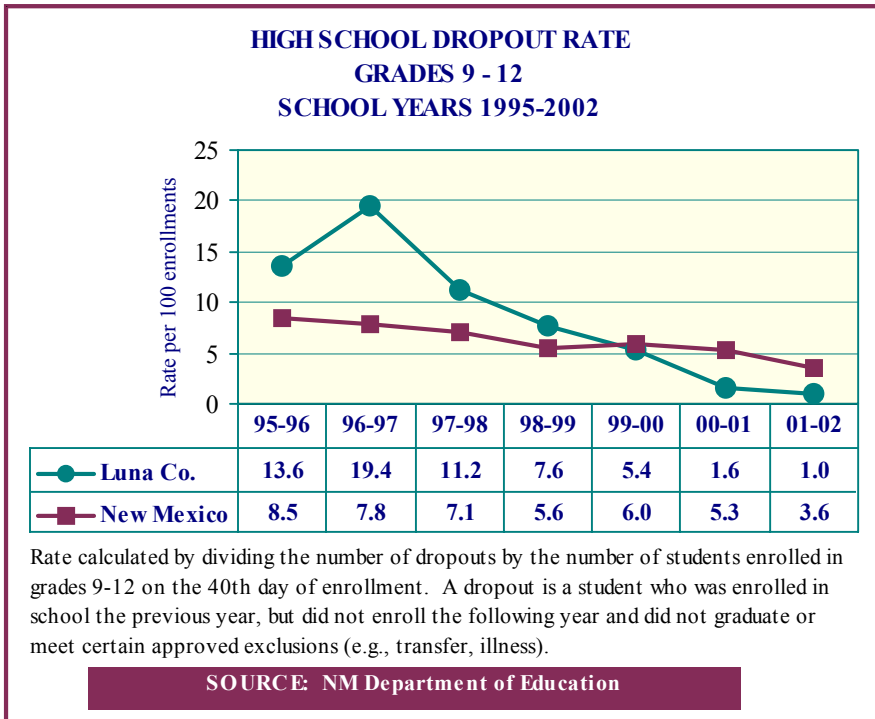
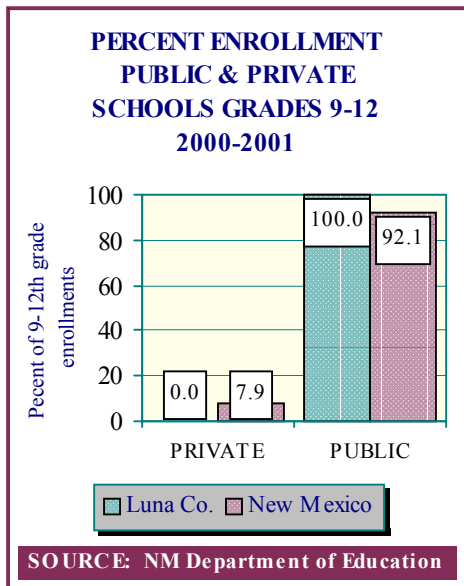
| SCHOOL YEAR | Luna Co. | New Mexico |
|-------------|----------|------------|
| 2000-2001   | 1,497    | 95,427     |
| 2001-2002   | 1,522    | 95,224     |
| 2002-2003   | 1,517    | 95,767     |

SOURCE: NM Department of Education

**PRIVATE AND PUBLIC  
HIGH SCHOOL ENROLLMENT  
GRADES 9 - 12  
SCHOOL YEAR 2000-2001**

| GRADE | Luna Co. |        | New Mexico |        |
|-------|----------|--------|------------|--------|
|       | PRIVATE  | PUBLIC | PRIVATE    | PUBLIC |
| 9th   | 0        | 540    | 2,454      | 28,944 |
| 10th  | 0        | 437    | 2,092      | 25,476 |
| 11th  | 0        | 278    | 1,901      | 21,905 |
| 12th  | 0        | 242    | 1,690      | 19,102 |
| Total | 0        | 1,497  | 8,137      | 95,427 |

SOURCE: NM Department of Education



**RESIDENT FALL ENROLLMENT TO NEW MEXICO  
HIGHER EDUCATION INSTITUTIONS 2001-2002**

| INSTITUTE              | Luna |      | New Mexico |        |
|------------------------|------|------|------------|--------|
|                        | 2001 | 2002 | 2001       | 2002   |
| UNM                    | 13   | 7    | 19,751     | 20,497 |
| UNM Gallup             | 0    | 0    | 2,125      | 2,485  |
| UNM Los Alamos         | 0    | 0    | 824        | 918    |
| UNM Medical School     | 0    | 1    | 263        | 268    |
| UNM Taos               | 0    | 0    | 1,190      | 1,349  |
| UNM Valencia           | 0    | 0    | 1,563      | 1,717  |
| NMSU                   | 267  | 269  | 10,897     | 11,330 |
| NMSU Alamogordo        | 1    | 1    | 1,300      | 1,380  |
| NMSU Carlsbad          | 2    | 0    | 1,028      | 1,108  |
| NMSU Dona Ana          | 138  | 161  | 4,342      | 4,744  |
| NMSU Grants            | 1    | 1    | 619        | 640    |
| ENMU                   | 3    | 2    | 3,144      | 3,120  |
| ENMU Roswell           | 4    | 9    | 3,046      | 3,536  |
| ENMU Ruidoso           | 0    | 0    | 752        | 751    |
| NMHU                   | 3    | 3    | 2,987      | 2,841  |
| WNMU                   | 332  | 328  | 2,109      | 2,277  |
| Other NM Institutions* | 17   | 17   | 38,739     | 41,773 |

SOURCE: NM Commission on Higher Education

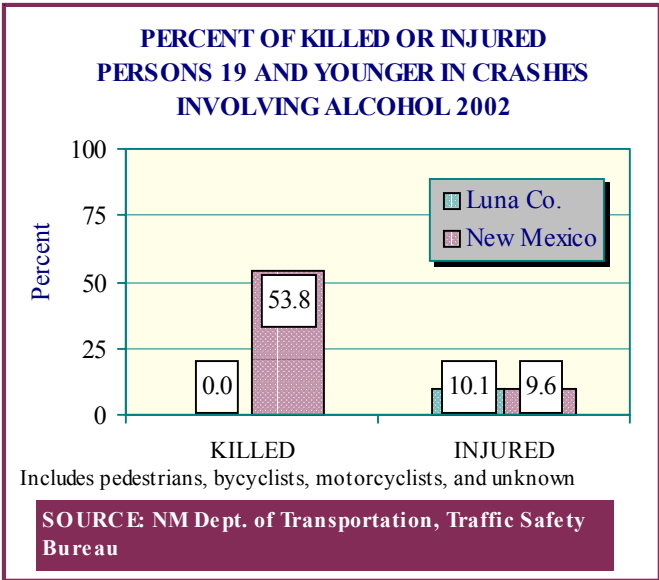
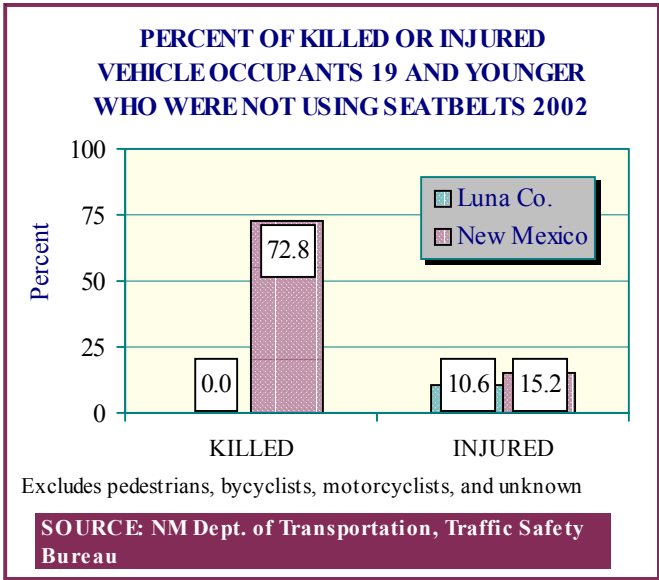
NOTE: Not all resident students report their original county of origin. In addition, out of state students are not included. Resident students attending school out of state are also not included. Counts reflect all students at a specific site, including extended services enrollments.

\*Includes all other institutions of higher education not listed above, including community and technical colleges.



| PERSONS 19 AND UNDER KILLED OR INJURED AS VEHICLE OCCUPANTS<br>IN CRASHES BY SEATBELT STATUS<br>2002 |        |         |      |         |         |       |
|--|--------|---------|------|---------|---------|-------|
|  | KILLED |         |      | INJURED |         |       |
|  | TOTAL  | NO BELT | BELT | TOTAL   | NO BELT | BELT  |
| Luna Co.   | 2      | 0       | 2    | 94      | 10      | 84    |
| New Mexico   | 81     | 59      | 22   | 6,407   | 974     | 5,433 |

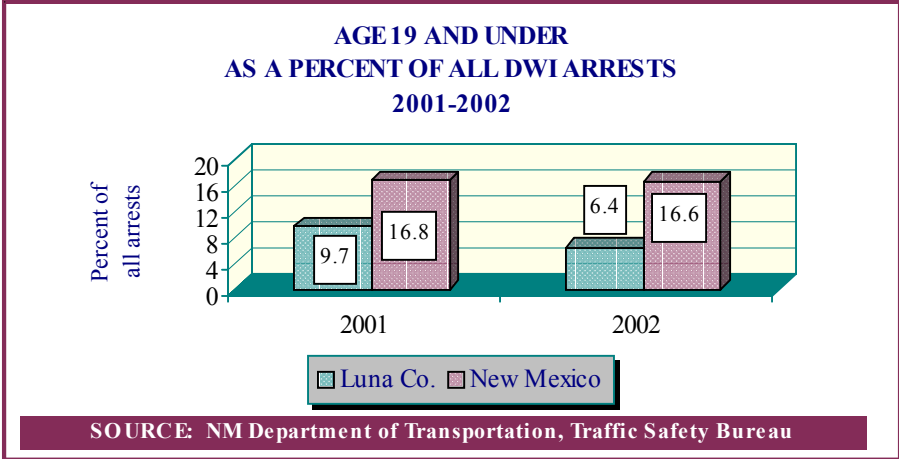
NOTE: Number excludes pedestrians, bicyclists, motorcycleists, and unknown.  
SOURCE: New Mexico Department of Transportation, Traffic Safety Bureau



**NUMBER OF PERSONS ARRESTED FOR DRIVING WHILE IMPAIRED (DWI) 2001 & 2002**

|            | 19 Years and Younger |       | All Persons |        |
|------------|----------------------|-------|-------------|--------|
|            | 2001                 | 2002  | 2001        | 2002   |
| Luna Co.   | 18                   | 13    | 186         | 203    |
| New Mexico | 3,617                | 3,593 | 21,576      | 21,603 |

SOURCE: NM Department of Transportation, Traffic Safety Bureau



# ADOLESCENT/YOUTH (15-19) YEARS - NATALITY/MORTALITY

## NEW MEXICO RESIDENT LIVE BIRTHS TO MOTHERS AGE 15-17 YEARS 1998-2002\* AVERAGE

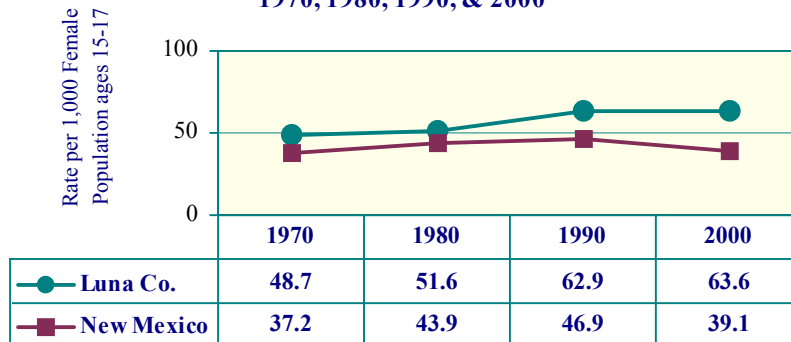
|            | Number | Rate |
|------------|--------|------|
| Luna Co.   | 211    | 65.4 |
| New Mexico | 8,687  | 40.0 |

\*2002 data are provisional

Rate is per 1,000 female population ages 15-17 years. Rate numerator was births to mothers age 15-17 years for 1998-2002, divided by 5; denominator was 2000 female population age 15-17.

SOURCE: NM Department of Health  
ONMVRHS

## NEW MEXICO RESIDENT BIRTH RATES FOR MOTHERS AGES 15-17 YEARS 1970, 1980, 1990, & 2000



SOURCE: NM Department of Health  
Office of New Mexico Vital Records and Health Statistics

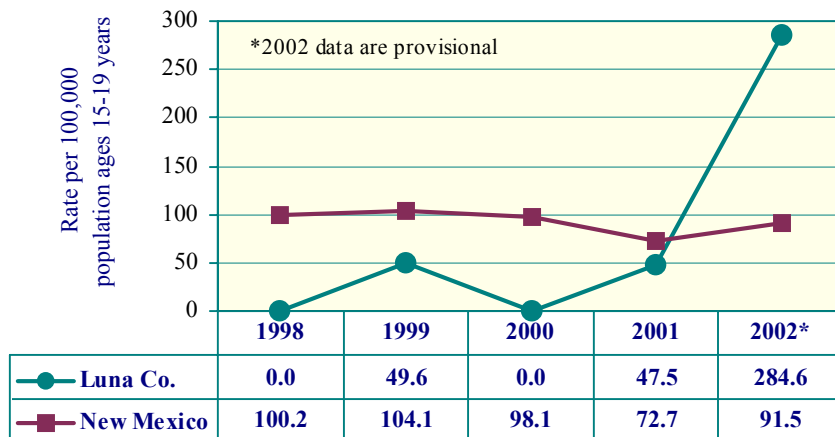
## NEW MEXICO RESIDENT DEATHS FOR AGES 15-19 YEARS 1992-2002

| Year  | Luna Co. | New Mexico |
|-------|----------|------------|
| 1992  | 3        | 117        |
| 1993  | 1        | 132        |
| 1994  | 1        | 128        |
| 1995  | 1        | 150        |
| 1996  | 0        | 158        |
| 1997  | 5        | 118        |
| 1998  | 0        | 144        |
| 1999  | 1        | 150        |
| 2000  | 0        | 143        |
| 2001  | 1        | 107        |
| 2002* | 6        | 136        |

\*2002 data are provisional

SOURCE: NM Department of Health  
ONMVRHS

## NEW MEXICO RESIDENT DEATH RATES FOR AGES 15-19 YEARS 1998-2002



SOURCE: NM Department of Health  
Office of New Mexico Vital Records and Health Statistics

## NEW MEXICO RESIDENT DEATHS LEADING CAUSES OF DEATH - AGES 15-19 YEARS 1998-2002\* AVERAGE

| LUNA COUNTY                        |        |        | NEW MEXICO                         |        |        |
|------------------------------------|--------|--------|------------------------------------|--------|--------|
| Causes                             | Number | Rate   | Causes                             | Number | Rate   |
| All Causes                         | 8      | 81.5   | All Causes                         | 680    | 93.3   |
| Accidents (Unintentional Injuries) | 3      | 30.5   | Accidents (Unintentional Injuries) | 312    | 42.8   |
| ---(Motor Vehicle Accidents)       | (3)    | (30.5) | ---(Motor Vehicle Accidents)       | (235)  | (32.2) |
| Intentional Self-Harm (Suicide)    | 3      | 30.5   | Assault (Homicide)                 | 117    | 16.0   |
| Assault (Homicide)                 | 2      | 20.4   | Intentional Self-Harm (Suicide)    | 117    | 16.0   |
| Malignant Neoplasms                | 0      | 0.0    | Malignant Neoplasms                | 35     | 4.8    |

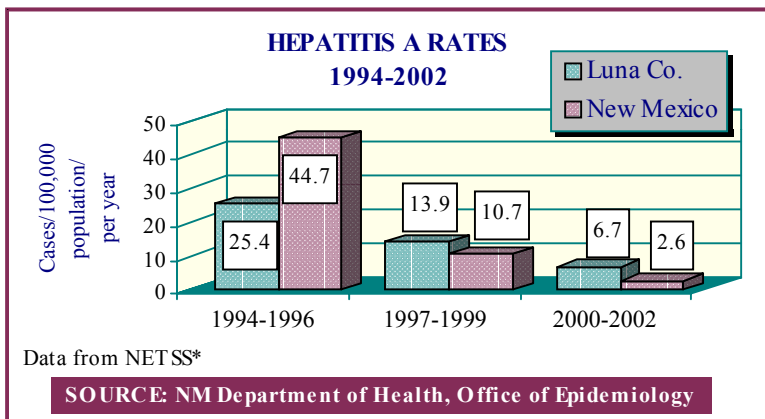
\* 2002 data are provisional

Rate per 100,000 population ages 15-19 years. Rate numerator was deaths for years 1998-2002, divided by 5; denominator was the 2000 population.

Due to the implementation of ICD-10 in 1999, comparability ratios have been applied to statistics for years prior to 1999. Rates and numbers may not equal those previously reported due to the application of comparability ratios.

SOURCE: NM Department of Health, Office of New Mexico Vital Records and Health Statistics

GASTROINTESTINAL DISEASES

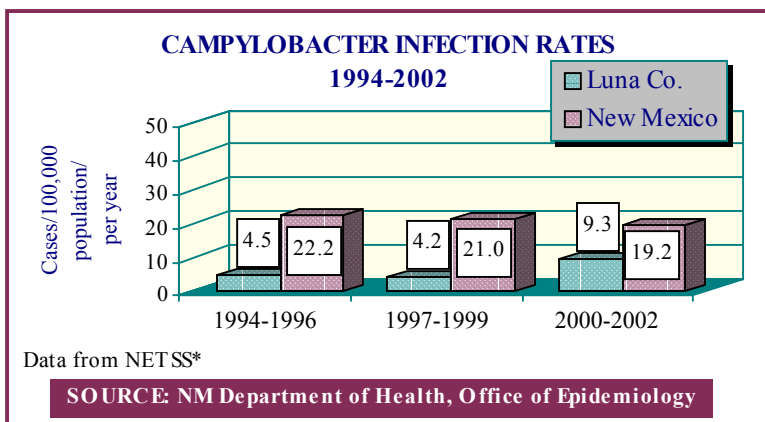


### HEPATITIS A NUMBER OF CASES

| Year      | Luna Co. | New Mexico |
|-----------|----------|------------|
| 1994-1996 | 17       | 2,254      |
| 1997-1999 | 10       | 557        |
| 2000-2002 | 5        | 141        |

Data from NETSS\*

SOURCE: NM Department of Health Office of Epidemiology

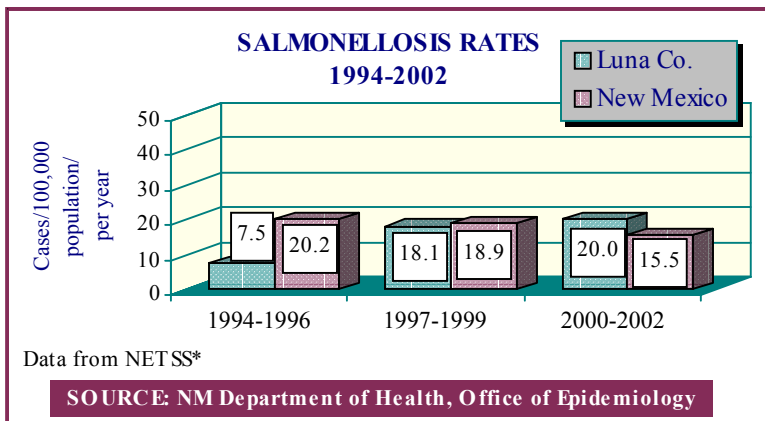


### CAMPYLOBACTER INFECTION NUMBER OF CASES

| Year      | Luna Co. | New Mexico |
|-----------|----------|------------|
| 1994-1996 | 3        | 1,117      |
| 1997-1999 | 3        | 1,093      |
| 2000-2002 | 7        | 1,059      |

Data from NETSS\*

SOURCE: NM Department of Health Office of Epidemiology

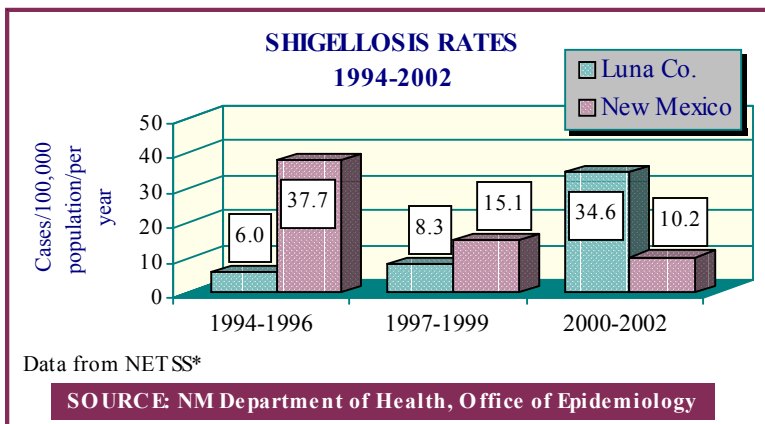


### SALMONELLOSIS NUMBER OF CASES

| Year      | Luna Co. | New Mexico |
|-----------|----------|------------|
| 1994-1996 | 5        | 1,016      |
| 1997-1999 | 13       | 984        |
| 2000-2002 | 15       | 856        |

Data from NETSS\*

SOURCE: NM Department of Health Office of Epidemiology



### SHIGELLOSIS NUMBER OF CASES

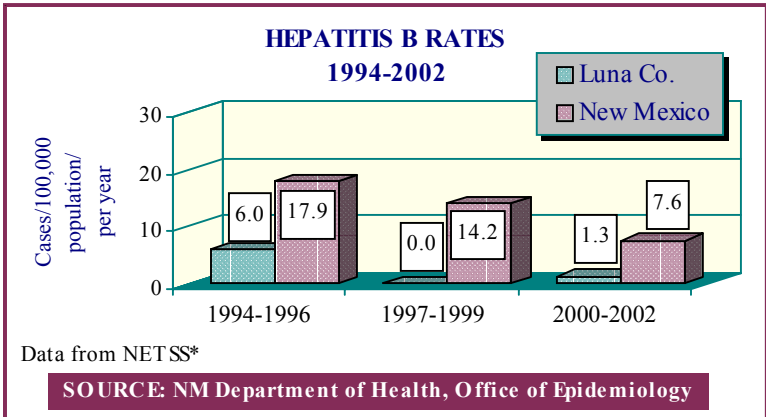
| Year      | Luna Co. | New Mexico |
|-----------|----------|------------|
| 1994-1996 | 4        | 1,900      |
| 1997-1999 | 6        | 786        |
| 2000-2002 | 26       | 560        |

Data from NETSS\*

SOURCE: NM Department of Health Office of Epidemiology

\*National Electronic Telecommunication System for Surveillance (NETSS)

**BLOODBORNE DISEASES**



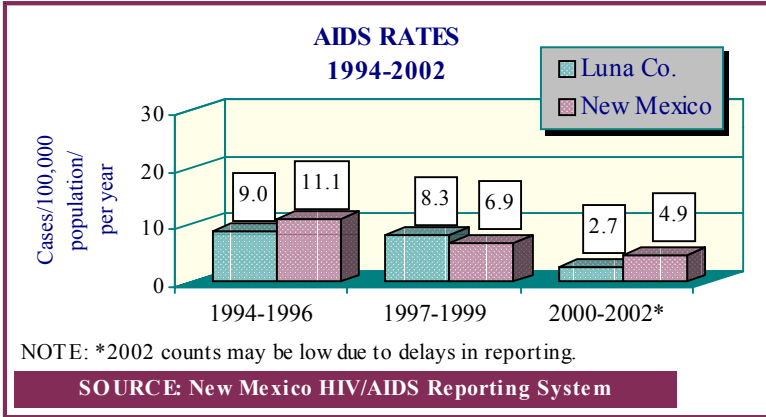
**HEPATITIS B  
NUMBER OF CASES**

| Year      | Luna Co. | New Mexico |
|-----------|----------|------------|
| 1994-1996 | 4        | 905        |
| 1997-1999 | 0        | 736        |
| 2000-2002 | 1        | 419        |

Data from NETSS\*

**SOURCE: NM Department of Health  
Office of Epidemiology**

\*National Electronic Telecommunication System for Surveillance (NETSS)



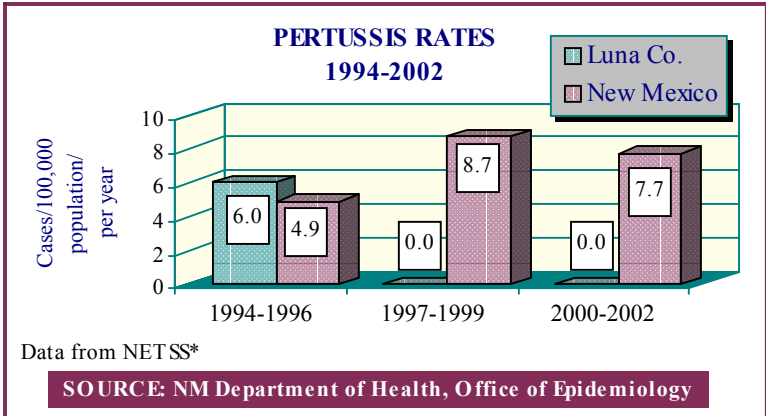
**AIDS  
NUMBER OF CASES**

| Year       | Luna Co. | New Mexico |
|------------|----------|------------|
| 1994-1996  | 6        | 559        |
| 1997-1999  | 6        | 357        |
| 2000-2002* | 2        | 270        |

NOTE: \*2002 counts may be low due to delays in reporting.

**SOURCE: New Mexico HIV/AIDS  
Reporting System**

**RESPIRATORY DISEASES**

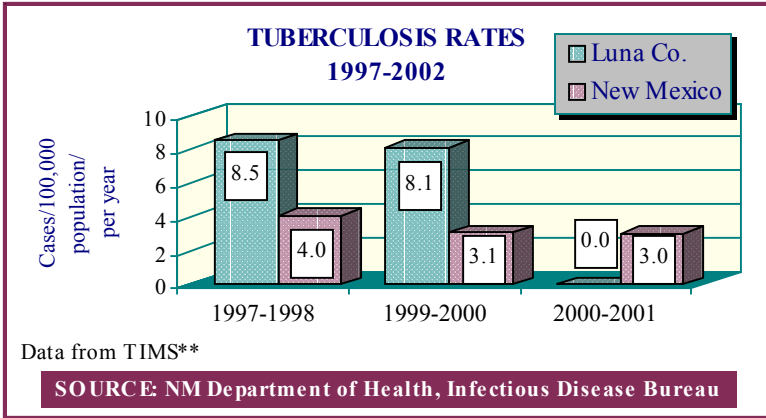


**PERTUSSIS  
NUMBER OF CASES**

| Year      | Luna Co. | New Mexico |
|-----------|----------|------------|
| 1994-1996 | 4        | 247        |
| 1997-1999 | 0        | 453        |
| 2000-2002 | 0        | 426        |

Data from NETSS\*

**SOURCE: NM Department of Health  
Office of Epidemiology**



**TUBERCULOSIS  
NUMBER OF CASES**

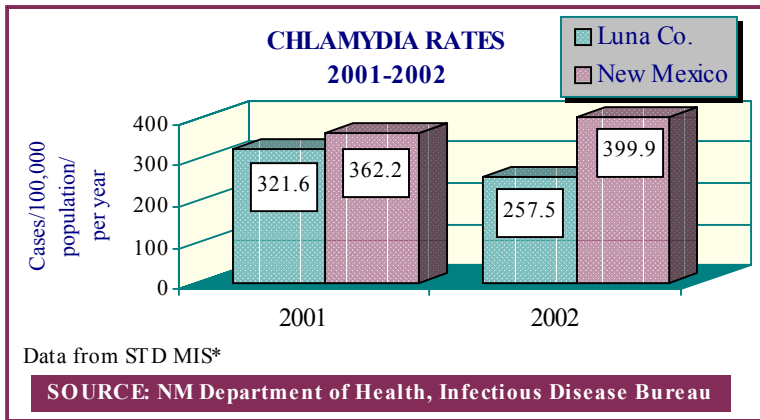
| Year      | Luna Co. | New Mexico |
|-----------|----------|------------|
| 1997-1998 | 4        | 139        |
| 1999-2000 | 4        | 110        |
| 2001-2002 | 0        | 111        |

Data from TIMS\*\*

**SOURCE: NM Department of Health  
Infectious Disease Bureau**

\*\*Tuberculosis Information Management System (TIMS)

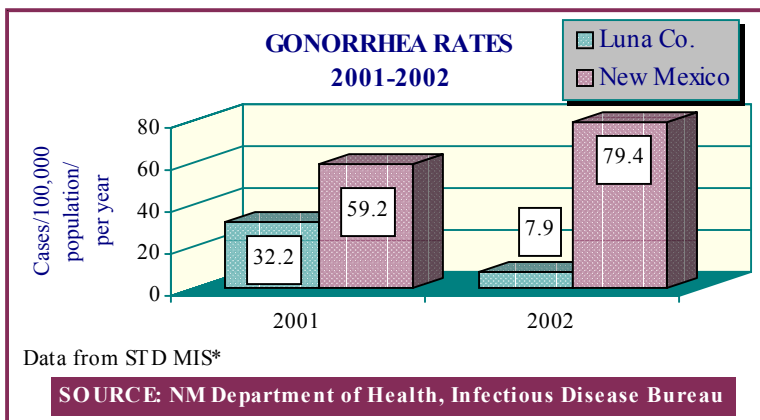
SEXUALLY TRANSMITTED DISEASES



**CHLAMYDIA NUMBER OF CASES**

| Year | Luna Co. | New Mexico |
|------|----------|------------|
| 2001 | 80       | 6,669      |
| 2002 | 65       | 7,419      |

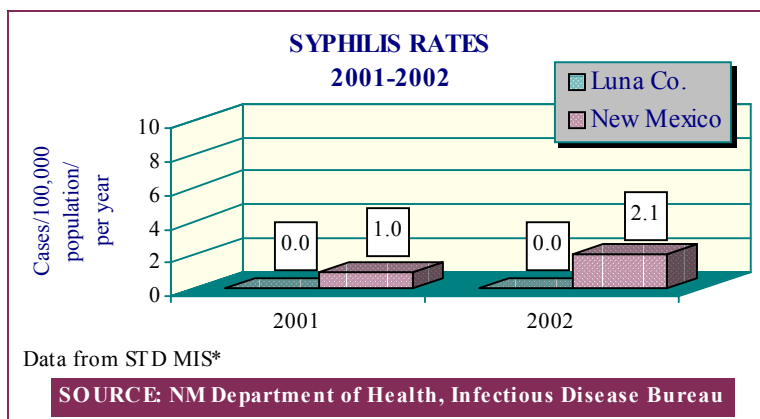
Data from STD MIS\*  
**SOURCE: NM Department of Health Infectious Disease Bureau**



**GONORRHEA NUMBER OF CASES**

| Year | Luna Co. | New Mexico |
|------|----------|------------|
| 2001 | 8        | 1,090      |
| 2002 | 2        | 1,472      |

Data from STD MIS\*  
**SOURCE: NM Department of Health Infectious Disease Bureau**



**SYPHILIS NUMBER OF CASES**

| Year | Luna Co. | New Mexico |
|------|----------|------------|
| 2001 | 0        | 19         |
| 2002 | 0        | 39         |

Data from STD MIS\*  
**SOURCE: NM Department of Health Infectious Disease Bureau**

**NOTE:** The scales on the above graphs are not comparable.

\*Sexually Transmitted Diseases Management Information Systems (STD MIS)

# INJURY - MOTOR VEHICLE CRASHES

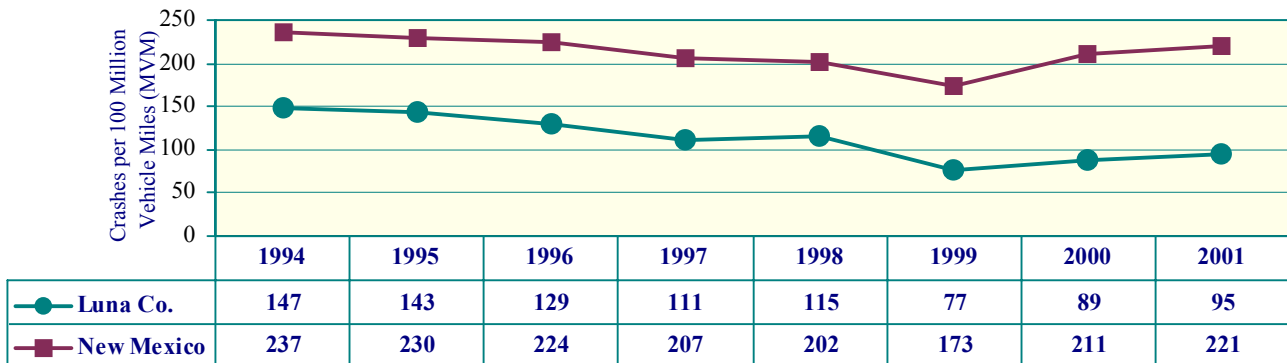


| NUMBER OF FATAL AND INJURY CRASHES<br>VEHICLE MILES TRAVELED, LICENSED DRIVERS AND ECONOMIC LOSS<br>2001 |                   |       |        |                  |                     |                  |
|--|-------------------|-------|--------|------------------|---------------------|------------------|
|  | NUMBER OF CRASHES |       |        | Licensed Drivers | Economic Loss *1000 | 100 MVM Traveled |
|  | Total             | Fatal | Injury |                  |                     |                  |
| Luna Co.   | 510               | 11    | 170    | 17,657           | \$55,826            | 5.3              |
| New Mexico   | 50,236            | 415   | 17,879 | 1,225,793        | \$3,537,921         | 227.1            |

NOTE: MVM = Million Vehicle Miles

SOURCE: NM Department of Transportation, Traffic Safety Bureau  
"New Mexico Traffic Crash Information", 2001 Report.

## CRASH RATES 1994-2001



SOURCE: NM Department of Transportation, Traffic Safety Bureau.

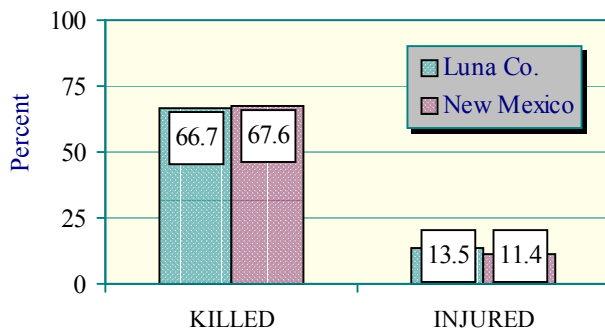
## ALL PERSONS KILLED OR INJURED AS VEHICLE OCCUPANTS IN CRASHES BY SEATBELT STATUS 2002

|            | KILLED |         |      | INJURED |         |        |
|------------|--------|---------|------|---------|---------|--------|
|            | TOTAL  | NO BELT | BELT | TOTAL   | NO BELT | BELT   |
| Luna Co.   | 9      | 6       | 3    | 349     | 47      | 302    |
| New Mexico | 349    | 236     | 113  | 24,771  | 2,818   | 21,953 |

NOTE: Number excludes pedestrians, bicyclists, motorcyclists, and unknown.

SOURCE: New Mexico Department of Transportation, Traffic Safety Bureau.

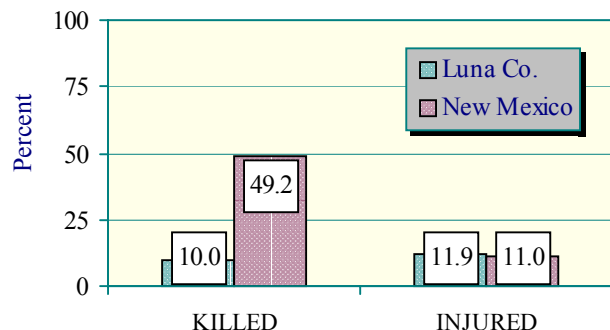
## PERCENT OF KILLED OR INJURED VEHICLE OCCUPANTS WHO WERE NOT USING SEATBELTS 2002



Excludes pedestrians, bicyclists, motorcyclists, and unknown.

SOURCE: NM Department of Transportation, Traffic Safety Bureau.

## PERCENT OF KILLED OR INJURED PERSONS IN CRASHES INVOLVING ALCOHOL 2002



Includes pedestrians, bicyclists, motorcyclists, and unknown.

SOURCE: NM Department of Transportation, Traffic Safety Bureau.



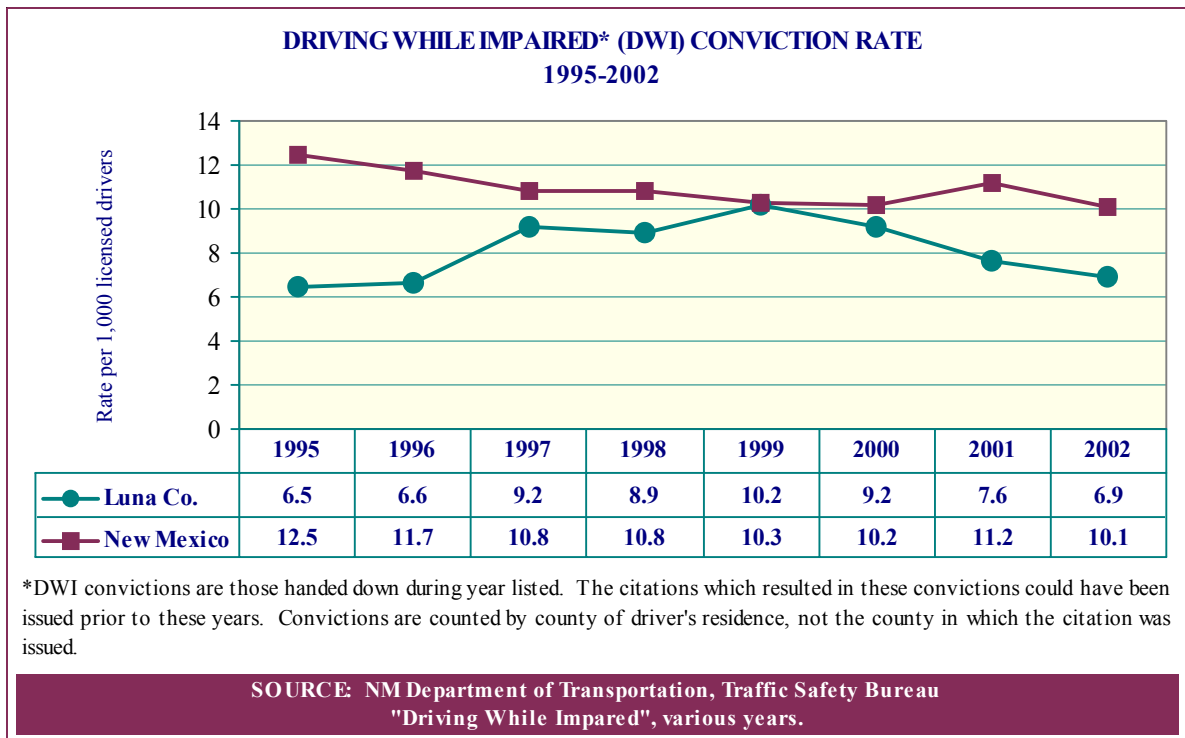
**ALCOHOL RELATED CRASHES  
NEW MEXICO - 2001**

- 43 percent of all fatal crashes involved alcohol.
- A person died in an alcohol-involved crash every 44 hours.
- A person was injured in an alcohol-involved crash every 174 minutes.
- An alcohol-involved crash occurred every 147 minutes.

| ALCOHOL INVOLVED CRASHES<br>PERSONS INVOLVED AND DWI CONVICTIONS<br>2002 |         |        |                  |         |                 |          |
|--|---------|--------|------------------|---------|-----------------|----------|
|  | CRASHES |        | PERSONS INVOLVED |         |                 |          |
|  | Fatal   | Injury | Killed           | Injured | DWI Conviction* | DWI Rate |
| Luna Co.   | 1       | 26     | 1                | 43      | 121             | 6.9      |
| New Mexico   | 198     | 1,774  | 221              | 2,921   | 12,544          | 10.1     |

\*DWI convictions are those handed down during year listed. The citations which resulted in these convictions could have been issued prior to these years. Convictions are counted by county of driver's residence, not the county in which the citation was issued.

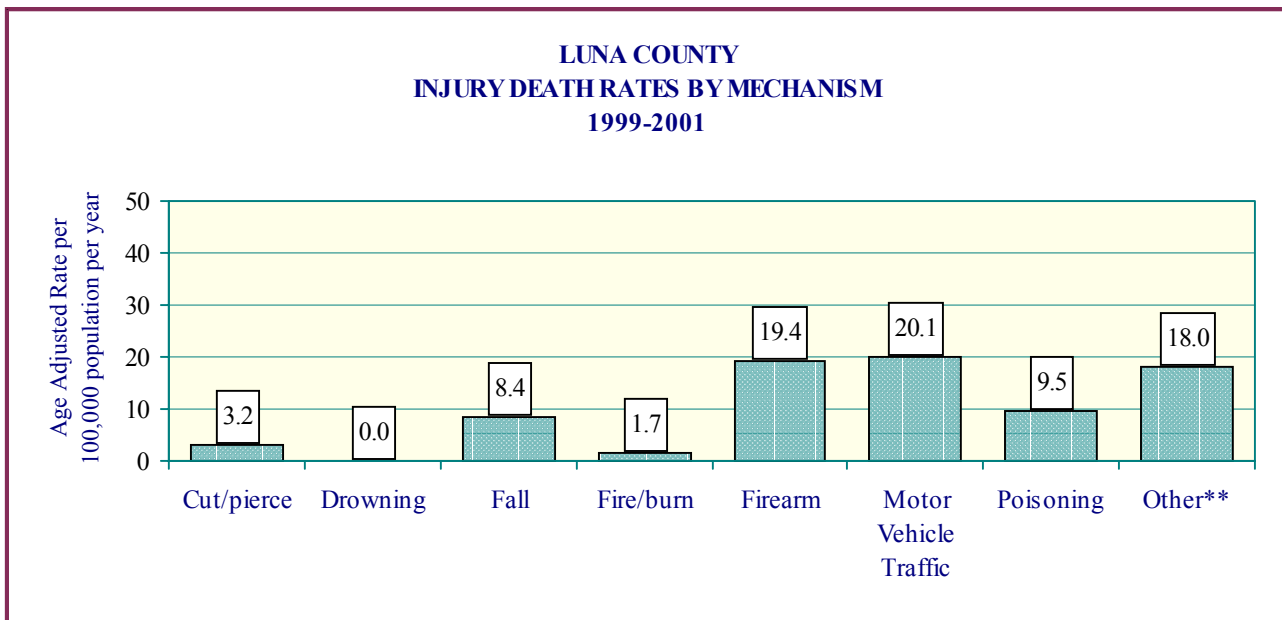
SOURCE: NM Department of Transportation, Traffic Safety Bureau "Driving While Impaired", 2002 Report.



# INJURY - BY MECHANISM

| LUNA COUNTY<br>INJURY DEATHS BY MECHANISM<br>1999-2001 |                             |                                     |                                       |
|--|-----------------------------|-------------------------------------|---------------------------------------|
| Mechanism of Injury                                    | Number of Deaths in 3 Years | Age Adjusted Rate/100,000* Per Year | New Mexico Age Adjusted Rate/100,000* |
| Cut/pierce   | 2                           | 3.2                                 | 1.8                                   |
| Drowning   | 0                           | 0.0                                 | 1.4                                   |
| Fall   | 8                           | 8.4                                 | 10.2                                  |
| Fire/burn  | 1                           | 1.7                                 | 1.0                                   |
| Firearm  | 14                          | 19.4                                | 15.7                                  |
| Motor Vehicle Traffic                                  | 14                          | 20.1                                | 22.1                                  |
| Poisoning  | 7                           | 9.5                                 | 17.0                                  |
| Other**  | 14                          | 18.0                                | 14.0                                  |
| All Injury   | 60                          | 80.3                                | 83.2                                  |

| NON-FATAL INJURY HOSPITALIZATIONS<br>1998-2000   |             |            |
|--|-------------|------------|
| Number/Rate  | Luna County | New Mexico |
| Total Number of Hospital Discharges in 3 Years   | 534         | 30,596     |
| Age Adjusted Rate per 100,000* Population per Year   | 673.6       | 585.2      |
| NOTE: Injury as the principal diagnosis of discharge.<br>* Rates are adjusted to the 2000 U. S. Standard Population. |             |            |
| <b>SOURCE: NM Health Policy Commission</b>   |             |            |



Note: Injury categories are from the “Preliminary External Cause of Injury Mortality Matrix for ICD-10,” June 12, 2001 by Centers for Disease Control and Prevention, National Center for Injury Prevention and Control.

\*Age-adjusted death rate adjusted to the 2000 U.S standard population. Age adjusted death rates weight the age-specific rates for a given population by the age distribution of a standard population, thereby enabling the direct comparison of rates between populations with differing age structures.

\*\* Other includes machinery, cyclist, pedestrian, natural /environmental, struck by/against, suffocation, other specified and unspecified categories.

New Mexico Department of Health, Office of Epidemiology, Injury Epidemiology Unit  
Source: Office of New Mexico Vital Records and Health Statistics



| CANCER INCIDENCE AMONG MALES<br>NUMBER AND INCIDENCE RATE<br>1994-2000 AGGREGATE |        |       |            |       |
|--|--------|-------|------------|-------|
| SITE   | Luna   |       | New Mexico |       |
|  | NUMBER | RATE  | NUMBER     | RATE  |
| All Cancers  | 449    | 438.6 | 23,565     | 468.7 |
| Stomach  | 8      | 7.1   | 515        | 10.6  |
| Colon and Rectum   | 54     | 51.0  | 2,482      | 50.4  |
| Liver and Intrahepatic Bile Duct   | ^      | ^     | 412        | 8.2   |
| Gallbladder  | ^      | ^     | 52         | 1.1   |
| Pancreas   | 9      | 9.2   | 570        | 11.7  |
| Lung and Bronchus  | 69     | 65.9  | 3,053      | 62.2  |
| Melanomas of the Skin  | 9      | 10.8  | 974        | 18.7  |
| Breast   | ^      | ^     | 51         | 1.0   |
| Prostate   | 155    | 142.9 | 7,320      | 145.5 |
| Urinary Bladder  | 21     | 20.1  | 1,324      | 27.4  |
| Kidney and Renal Pelvis  | 8      | 7.6   | 741        | 14.3  |
| Non-Hodgkins Lymphomas   | 16     | 17.5  | 912        | 17.8  |
| Leukemias  | 8      | 9.0   | 727        | 14.2  |
| All Other Cancers  | 85     | 91.9  | 4,432      | 85.3  |

Rates are per 100,000 and age-adjusted to the 2000 U.S. (19 age groups) standard.  
 ~ Statistic could not be calculated.  
 ^ Statistic not displayed due to less than 5 cases.

**SOURCE: New Mexico Tumor Registry, University of New Mexico**

**Colorectal Cancer Screening and Early Detection**

Screening tests can reduce deaths from colorectal cancer by identifying polyps, which are tiny growths inside the colon, before they become cancerous. Screening also detects early cancers when treatment is most effective and survival rates are high.

SOURCE: www.cdc.gov

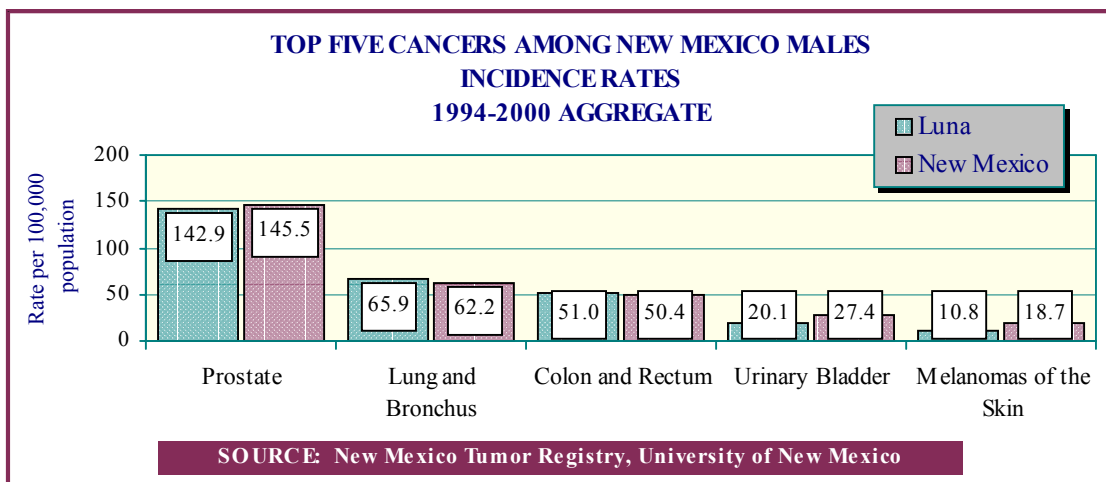
**Prostate Cancer Fact**

The American Cancer Society estimates that in 2003, 220,900 new cases of prostate cancer will be diagnosed and that 28,900 men will die of the disease in the United States.

Two methods for detecting prostate cancer are commonly used by clinicians:

- 1) Digital rectal examination (DRE)
- 2) Prostate-specific antigen (PSA)

SOURCE: www.cdc.gov



# CHRONIC DISEASE - CANCER DATA, FEMALES

| CANCER INCIDENCE AMONG FEMALES<br>NUMBER AND INCIDENCE RATE<br>1994-2000 AGGREGATE |        |       |            |       |
|--|--------|-------|------------|-------|
| SITE   | Luna   |       | New Mexico |       |
|  | NUMBER | RATE  | NUMBER     | RATE  |
| All Cancers  | 324    | 312.2 | 21,575     | 353.8 |
| Stomach  | ^      | ^     | 333        | 5.5   |
| Colon and Rectum   | 30     | 26.9  | 2,173      | 35.6  |
| Liver and Intrahepatic Bile Duct   | ^      | ^     | 211        | 3.4   |
| Gallbladder  | ^      | ^     | 113        | 1.8   |
| Pancreas   | 11     | 9.4   | 543        | 8.9   |
| Lung and Bronchus  | 39     | 33.5  | 2,208      | 36.0  |
| Melanomas of the Skin  | 10     | 11.0  | 745        | 12.2  |
| Breast   | 101    | 98.5  | 7,067      | 116.5 |
| Cervix   | 14     | 18.3  | 566        | 9.3   |
| Corpus and Uterus, NOS   | 16     | 14.9  | 1,116      | 18.3  |
| Urinary Bladder  | 12     | 10.3  | 484        | 7.9   |
| Kidney and Renal Pelvis  | 7      | 7.5   | 472        | 7.7   |
| Non-Hodgkins Lymphomas   | 11     | 10.6  | 759        | 12.5  |
| Leukemias  | 11     | 10.5  | 532        | 8.6   |
| All Other Cancers  | 54     | 53.7  | 4,253      | 69.5  |

Rates are per 100,000 and age-adjusted to the 2000 U.S. (19 age groups) standard.  
 ~ Statistic could not be calculated.  
 ^ Statistic not displayed due to less than 5 cases.

**SOURCE: New Mexico Tumor Registry, University of New Mexico**

### Breast Cancer Screening

According to the American Cancer Society, an estimated 211,300 new invasive cases of breast cancer are expected to occur among women in the United States during 2003. Mammography is the best way to detect breast cancer in its earliest, most treatable stage, an average of 1.7 years before a woman can feel the lump. Mammography also locates cancers too small to be felt during a clinical breast examination.

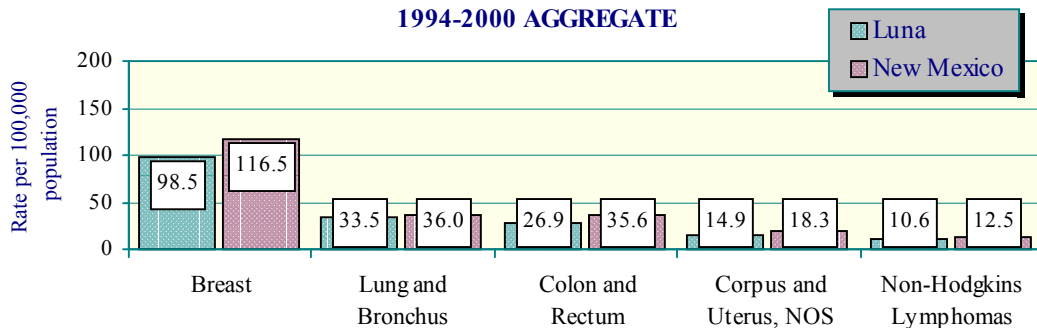
SOURCE: [www.cdc.gov](http://www.cdc.gov)

### Cervical Cancer Screening

Cervical cancer is nearly 100 percent preventable, yet according to the American Cancer Society, in 2003, an estimated 12,200 new cases of invasive cervical cancer will be diagnosed and about 4,100 women will die of the disease. The occurrence of deaths from cervical cancer has declined significantly over the past 40 years. This decline is largely attributed to the effectiveness of Pap test screening in detecting precancerous lesions and early stage cervical cancer.

SOURCE: [www.cdc.gov](http://www.cdc.gov)

**TOP FIVE CANCERS AMONG NEW MEXICO FEMALES  
INCIDENCE RATES  
1994-2000 AGGREGATE**



**SOURCE: New Mexico Tumor Registry, University of New Mexico**

**MODIFIED MAJOR DIAGNOSTIC CATEGORIES (MMDC)**

➤Hospitals use a classification scheme, called Major Diagnostic Categories (MDC), to group the diagnoses of patients upon their discharge from the hospital. Data shown in the following pages are based on a modification of the Major Diagnostic Categories. The Modified Major Diagnostic Categories (MMDCs) separates injuries and neoplasms into their own unique groupings while conventional MDCs distribute these diagnoses across other categories, which obscures their impact.

**METHODOLOGY NOTES:**

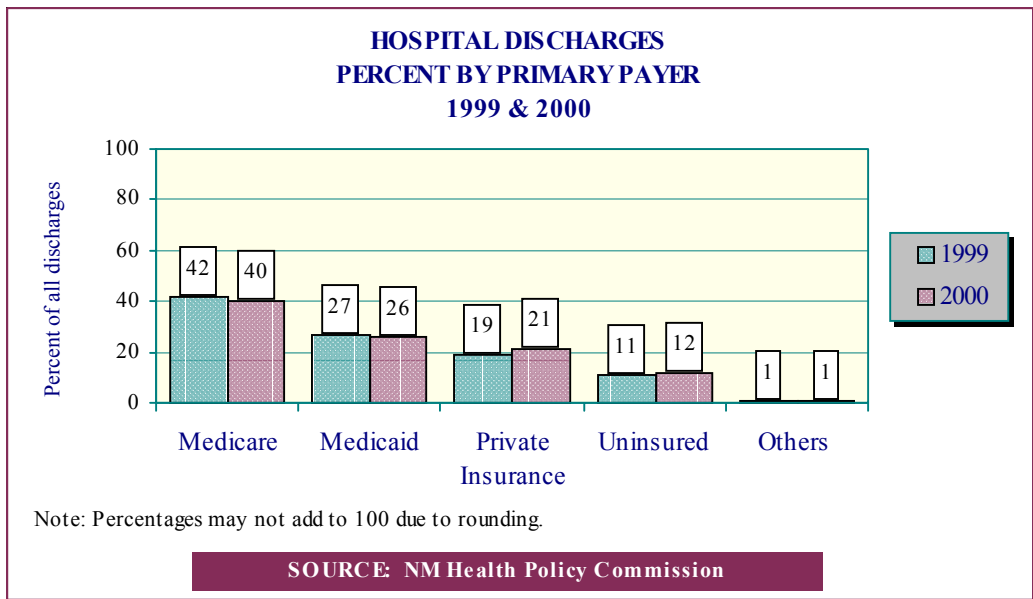
- The size of the county’s population and the population demographics, such as average age of residents, should be taken into account in interpreting reported data.
- Indian Health Service facilities do not report discharge data to the New Mexico Health Policy Commission, the state agency that maintains the hospital discharge database. As such, counties with large Native American populations may have artificially lower rates.
- Only hospitalization to New Mexico hospitals are included. Counties bordering other states may have a significant number of hospitalization in other states.

**HOSPITAL INPATIENT DISCHARGE DATA - ALL AGES  
MODIFIED MAJOR DIAGNOSTIC CATEGORIES (MMDCs)  
1999-2001**

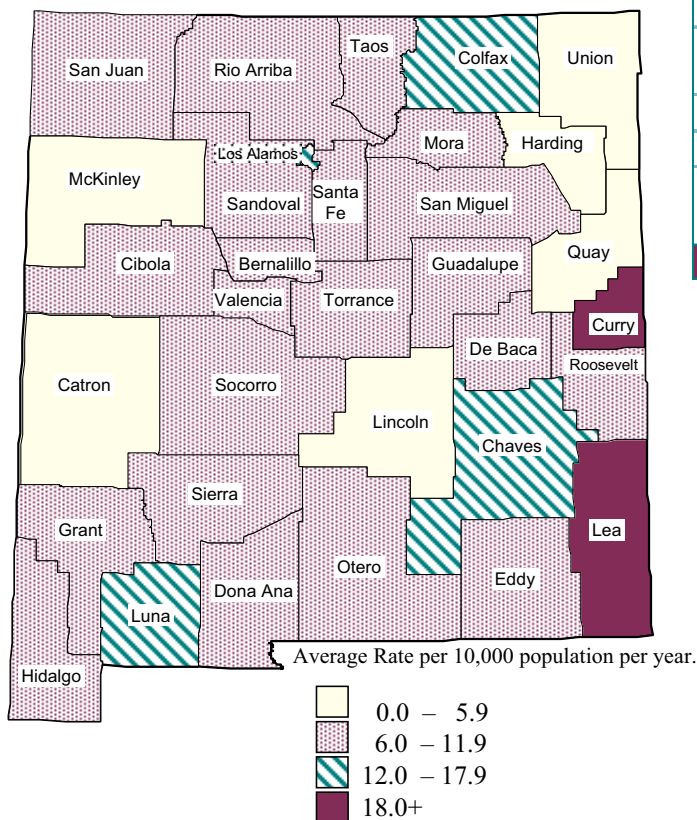
| MMDC                             | 1999     |            | 2000     |            | 2001     |            |
|----------------------------------|----------|------------|----------|------------|----------|------------|
|                                  | Luna Co. | New Mexico | Luna Co. | New Mexico | Luna Co. | New Mexico |
| 01: Nervous System               | 170      | 6,319      | 157      | 6,416      | 164      | 6,799      |
| 02: Eye Diseases                 | 2        | 639        | 3        | 386        | 4        | 205        |
| 03: Ear, Nose, Mouth, Throat     | 47       | 1,879      | 41       | 1,612      | 36       | 1,702      |
| 04: Respiratory System           | 478      | 17,875     | 392      | 15,151     | 326      | 15,329     |
| 05: Circulatory System           | 552      | 20,349     | 608      | 20,923     | 684      | 20,629     |
| 06: Digestive System             | 335      | 12,425     | 369      | 13,099     | 327      | 12,921     |
| 07: Hepatobiliary System         | 114      | 5,084      | 135      | 5,306      | 176      | 5,343      |
| 08: Musculoskeletal System       | 119      | 7,400      | 96       | 7,206      | 123      | 7,293      |
| 09: Skin, Subcutaneous, Breast   | 55       | 2,272      | 55       | 2,392      | 59       | 2,583      |
| 10: Endocrine, Metabolic         | 96       | 4,658      | 110      | 4,726      | 108      | 5,103      |
| 11: Kidney & Urinary Tract       | 116      | 4,789      | 137      | 4,787      | 125      | 5,186      |
| 12: Male Reproductive System     | 20       | 772        | 25       | 662        | 27       | 767        |
| 13: Female Reproductive System   | 59       | 3,330      | 53       | 3,496      | 42       | 3,542      |
| 14: Pregnancy, Childbirth        | 485      | 26,121     | 464      | 26,521     | 489      | 26,606     |
| 15: Newborns, Neonates           | 430      | 23,859     | 382      | 24,401     | 422      | 24,567     |
| 16: Blood & Blood Forming-Organs | 31       | 1,052      | 33       | 1,170      | 32       | 1,253      |
| 17: Myeloproliferative Diseases  | 146      | 8,616      | 161      | 8,345      | 142      | 8,118      |
| 18: Infectious Diseases          | 58       | 2,128      | 35       | 1,795      | 74       | 1,915      |
| 19: Mental Diseases              | 106      | 8,878      | 143      | 9,064      | 106      | 9,485      |
| 20: Alcohol/ Drug Abuse          | 30       | 3,295      | 28       | 2,957      | 20       | 2,909      |
| 21: Injuries & Poisonings        | 227      | 14,682     | 235      | 14,193     | 267      | 14,113     |
| 22: Burns                        | 2        | 270        | 8        | 233        | 7        | 229        |
| 23: Factors Influencing Health   | 11       | 4,148      | 12       | 4,274      | 15       | 4,387      |
| 24: Multiple Trauma              | 0        | 0          | 0        | 0          | 0        | 0          |
| 25: HIV                          | 4        | 148        | 0        | 96         | 0        | 86         |

SOURCE: NM Health Policy Commission

**CHRONIC DISEASE - HOSPITAL DISCHARGE STATUS / ASTHMA**



### NEW MEXICO ASTHMA DISCHARGE DATA BY COUNTY 1998-2000



**SOURCE: NM Health Policy Commission**

### HOSPITAL DISCHARGES BY PRIMARY PAYER 1999 & 2000

| Payee                   | Luna         |              | New Mexico     |                |
|-------------------------|--------------|--------------|----------------|----------------|
|                         | 1999         | 2000         | 1999           | 2000           |
| Medicare                | 1,568        | 1,482        | 47,144         | 47,959         |
| Medicaid                | 1,004        | 966          | 39,147         | 39,468         |
| Private Insurance       | 713          | 782          | 71,401         | 74,271         |
| Uninsured               | 388          | 431          | 12,354         | 13,859         |
| Others                  | 22           | 36           | 5,431          | 4,738          |
| <b>Total Discharges</b> | <b>3,695</b> | <b>3,697</b> | <b>175,477</b> | <b>180,295</b> |

**SOURCE: NM Health Policy Commission**

### NEW MEXICO ASTHMA HOSPITAL DISCHARGES\* BY COUNTY 1998-2000

|            | Number | Rate |
|------------|--------|------|
| Luna Co.   | 112    | 15.3 |
| New Mexico | 4,936  | 9.4  |

\*Primary discharges from non-Federal Hospitals  
Average rates per 10,000 population per year.

**SOURCE: NM Health Policy Commission**

| ESTIMATED DIABETES PREVALENCE<br>AMONG NEW MEXICO ADULTS<br>2002* |                       |                                |                                    |
|---|-----------------------|--------------------------------|------------------------------------|
| County  | 2002 Adult Population | Number of Adults with Diabetes | Percentage of Adults with Diabetes |
| Bernalillo  | 430,698               | 38,586                         | 9.0%                               |
| Catron  | 2,844                 | 228                            | 8.0%                               |
| Chaves  | 43,413                | 3,806                          | 8.8%                               |
| Cibola  | 18,460                | 1,960                          | 10.6%                              |
| Colfax  | 10,765                | 951                            | 8.8%                               |
| Curry   | 31,536                | 2,672                          | 8.5%                               |
| De Baca   | 1,666                 | 142                            | 8.5%                               |
| Dona Ana  | 127,663               | 12,049                         | 9.4%                               |
| Eddy  | 37,146                | 3,195                          | 8.6%                               |
| Grant   | 22,677                | 2,022                          | 8.9%                               |
| Guadalupe   | 3,513                 | 352                            | 10.0%                              |
| Harding   | 616                   | 55                             | 8.9%                               |
| Hidalgo   | 3,801                 | 344                            | 9.1%                               |
| Lea   | 39,662                | 3,451                          | 8.7%                               |
| Lincoln   | 15,533                | 1,269                          | 8.2%                               |
| Los Alamos  | 13,763                | 1,075                          | 7.8%                               |
| Luna  | 18,007                | 1,639                          | 9.1%                               |
| McKinley  | 47,057                | 5,630                          | 12.0%                              |
| Mora  | 3,960                 | 398                            | 10.0%                              |
| Otero   | 43,945                | 3,827                          | 8.7%                               |
| Quay  | 7,524                 | 646                            | 8.6%                               |
| Rio Arriba  | 29,687                | 3,093                          | 10.4%                              |
| Roosevelt   | 13,160                | 1,109                          | 8.4%                               |
| Sandoval  | 68,949                | 6,313                          | 9.2%                               |
| San Juan  | 82,679                | 8,169                          | 9.9%                               |
| San Miguel  | 22,029                | 2,197                          | 10.0%                              |
| Santa Fe  | 103,491               | 9,359                          | 9.0%                               |
| Sierra  | 10,497                | 859                            | 8.2%                               |
| Socorro   | 13,177                | 1,246                          | 9.5%                               |
| Taos  | 23,651                | 2,246                          | 9.5%                               |
| Torrance  | 11,901                | 1,030                          | 8.7%                               |
| Union   | 2,962                 | 251                            | 8.5%                               |
| Valencia  | 48,121                | 4,450                          | 9.2%                               |
| <b>New Mexico**</b>   | <b>1,354,553</b>      | <b>120,555</b>                 | <b>8.9%</b>                        |

\*County estimates were derived in the following manner: The Behavioral Risk Factor Surveillance System (BRFSS, 2002), a telephone survey of adults' (age 18 and over) health in New Mexico, was utilized to generate the racial/ethnic-specific diagnosed diabetes prevalence rates for the entire state. County populations were then obtained from the US Census Bureau (2002) by racial/ethnic group. The BRFSS rates were applied to these groups, generating an estimate of the number of American Indians, non-Hispanic Whites, Hispanics and Others (Asian/Pacific Islanders, non-Hispanic Blacks, and other) with diagnosed diabetes. The numbers were then combined to yield a total estimate of adults in each county with diagnosed diabetes. For those with undiagnosed diabetes, estimates by racial/ethnic group from NHANESIII (National Health and Nutrition Examination Survey) were obtained from Harris, MI et al. (1998). The estimated numbers of adults with diagnosed and undiagnosed diabetes were combined for the final estimate.

\*\*State estimates were derived in the following manner: The Behavioral Risk Factor Surveillance System (BRFSS, 2002) was utilized to generate an overall estimate of diagnosed diabetes among New Mexican adults. That is, in 2002, an estimated 6.2% of New Mexican adults indicated they had been diagnosed with diabetes. An estimate for undiagnosed diabetes (from NHANES III data) was obtained from Harris, MI et al. (1998). The estimated numbers of adults with diagnosed and undiagnosed diabetes were combined for the final estimate. Note: adding up the county estimates will not result in the state estimate. For the state estimate, there was no initial stratification by race/ethnicity, it was simply a calculation of those with diabetes (all races) divided by those responding to the question.

Source: Department of Health, Diabetes Prevention & Control Program

# AGING - INPATIENT HOSPITALIZATION AGES 65+ YEARS

## HOSPITAL INPATIENT DISCHARGE DATA MODIFIED MAJOR DIAGNOSTIC CATEGORIES (MMDC) LUNA COUNTY 1999-2001

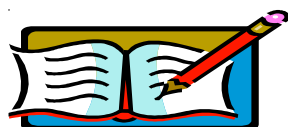
| MMDC                             | 1999 |          |            | 2000 |          |            | 2001 |          |            |
|----------------------------------|------|----------|------------|------|----------|------------|------|----------|------------|
|                                  | 65+  | All Ages | % All Ages | 65+  | All Ages | % All Ages | 65+  | All Ages | % All Ages |
| 01: Nervous System               | 108  | 170      | 63.5       | 102  | 157      | 65.0       | 100  | 164      | 61.0       |
| 02: Eye Diseases                 | 1    | 2        | 50.0       | 2    | 3        | 66.7       | 1    | 4        | 25.0       |
| 03: Ear, Nose, Mouth, Throat     | 12   | 47       | 25.5       | 9    | 41       | 22.0       | 14   | 36       | 38.9       |
| 04: Respiratory System           | 260  | 478      | 54.4       | 205  | 392      | 52.3       | 188  | 326      | 57.7       |
| 05: Circulatory System           | 398  | 552      | 72.1       | 392  | 608      | 64.5       | 449  | 684      | 65.6       |
| 06: Digestive System             | 134  | 335      | 40.0       | 147  | 369      | 39.8       | 123  | 327      | 37.6       |
| 07: Hepatobiliary System         | 46   | 114      | 40.4       | 42   | 135      | 31.1       | 66   | 176      | 37.5       |
| 08: Musculoskeletal System       | 59   | 119      | 49.6       | 49   | 96       | 51.0       | 68   | 123      | 55.3       |
| 09: Skin, Subcutaneous, Breast   | 28   | 55       | 50.9       | 31   | 55       | 56.4       | 30   | 59       | 50.8       |
| 10: Endocrine, Metabolic         | 44   | 96       | 45.8       | 44   | 110      | 40.0       | 41   | 108      | 38.0       |
| 11: Kidney & Urinary Tract       | 57   | 116      | 49.1       | 51   | 137      | 37.2       | 51   | 125      | 40.8       |
| 12: Male Reproductive System     | 15   | 20       | 75.0       | 12   | 25       | 48.0       | 20   | 27       | 74.1       |
| 13: Female Reproductive System   | 12   | 59       | 20.3       | 7    | 53       | 13.2       | 6    | 42       | 14.3       |
| 14: Pregnancy, Childbirth        | 0    | 485      | 0.0        | 0    | 464      | 0.0        | 0    | 489      | 0.0        |
| 15: Newborns, Neonates           | 0    | 430      | 0.0        | 0    | 382      | 0.0        | 0    | 422      | 0.0        |
| 16: Blood & Blood-Forming Organs | 20   | 31       | 64.5       | 19   | 33       | 57.6       | 13   | 32       | 40.6       |
| 17: Myeloproliferative Diseases  | 95   | 146      | 65.1       | 89   | 161      | 55.3       | 79   | 142      | 55.6       |
| 18: Infectious Diseases          | 36   | 58       | 62.1       | 16   | 35       | 45.7       | 41   | 74       | 55.4       |
| 19: Mental Diseases              | 10   | 106      | 9.4        | 13   | 143      | 9.1        | 0    | 106      | 0.0        |
| 20: Alcohol / Drug Abuse         | 6    | 30       | 20.0       | 2    | 28       | 7.1        | 2    | 20       | 10.0       |
| 21: Injuries & Poisonings        | 119  | 227      | 52.4       | 114  | 235      | 48.5       | 127  | 267      | 47.6       |
| 22: Burns                        | 0    | 2        | 0.0        | 0    | 8        | 0.0        | 1    | 7        | 14.3       |
| 23: Factors Influencing Health   | 4    | 11       | 36.4       | 6    | 12       | 50.0       | 9    | 15       | 60.0       |
| 24: Multiple Trauma              | 0    | 0        | --         | 0    | 0        | --         | 0    | 0        | --         |
| 25: HIV                          | 0    | 4        | 0.0        | 0    | 0        | --         | 0    | 0        | --         |

SOURCE: New Mexico Health Policy Commission

## LUNA COUNTY HOSPITAL INPATIENT DISCHARGE STATUS FOR AGE 65 YEARS AND OLDER 1999-2001

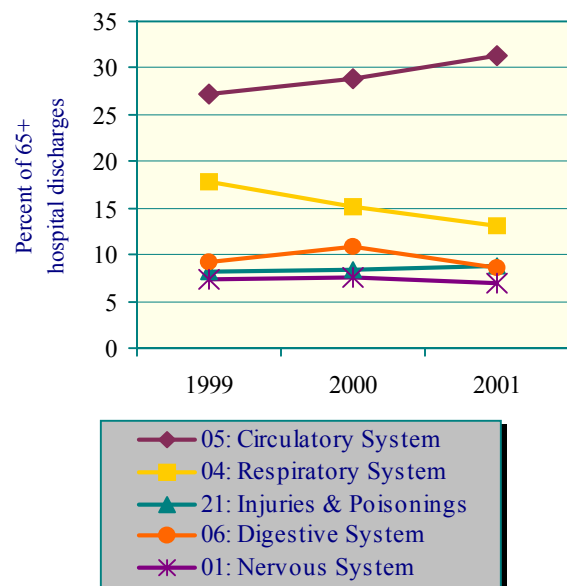
|                                     | 1999         | 2000         | 2001         |
|-------------------------------------|--------------|--------------|--------------|
| Routine Discharge                   | 1,011        | 932          | 981          |
| Transfer-Hospital                   | 96           | 96           | 89           |
| Transfer-Skilled Nursing Facility   | 132          | 138          | 180          |
| Transfer-Intermediate Care Facility | 20           | 22           | 25           |
| Transfer-Other                      | 8            | 8            | 5            |
| Transfer-Home Care                  | 124          | 117          | 131          |
| Left Against Medical Advice         | 6            | 5            | 1            |
| Died                                | 67           | 26           | 26           |
| Other                               | 0            | 15           | 0            |
| <b>TOTAL DISCHARGED</b>             | <b>1,464</b> | <b>1,359</b> | <b>1,438</b> |

SOURCE: New Mexico Health Policy Commission



**Discharged**

## TOP FIVE CATEGORIES OF HOSPITALIZATION FOR AGES 65+ 1999-2001



SOURCE: NM Health Policy Commission

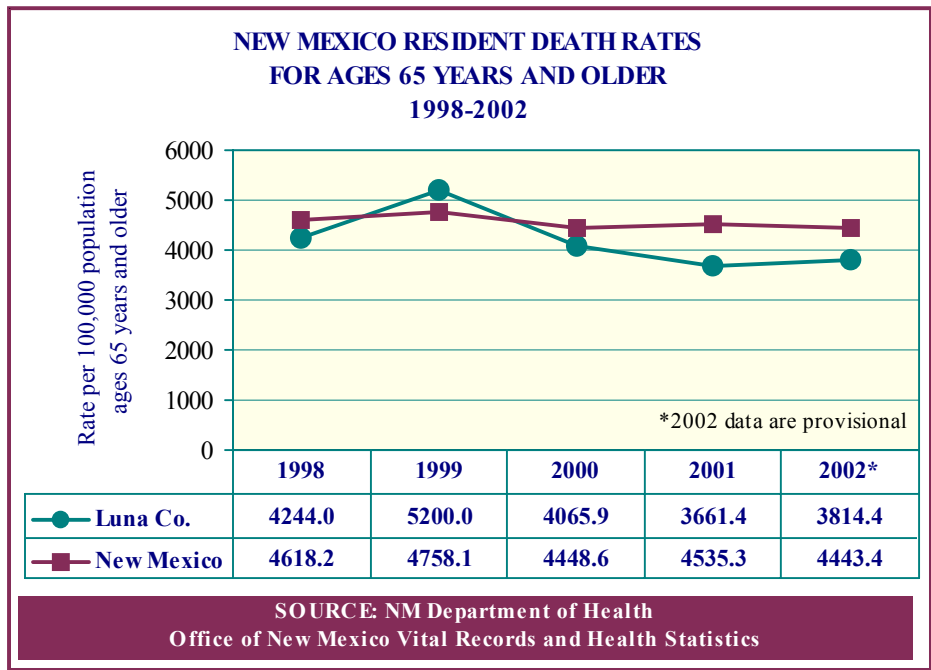
| ADULT ABUSE CASES<br>NUMBER AND TYPE OF INVESTIGATION<br>Annual 2002 |                              |         |                                |         |                      |
|--|------------------------------|---------|--------------------------------|---------|----------------------|
| Residence  | Substantiated Investigations |         | Unsubstantiated Investigations |         | Total Investigations |
|  | Number                       | Percent | Number                         | Percent | Number               |
| Luna Co.   | 19                           | 27.1    | 51                             | 72.9    | 70                   |
| New Mexico   | 1475                         | 29.2    | 3569                           | 70.8    | 5,044                |

Source: NM Children, Youth and Families Department  
Protective Services Division Fact Book, Fourth Quarter & Annual 2002



| NEW MEXICO<br>RESIDENT DEATHS<br>AGES 65 YEARS AND OLDER<br>1992-2002 |          |            |
|---|----------|------------|
| Year  | Luna Co. | New Mexico |
| 1992  | 166      | 7,600      |
| 1993  | 171      | 7,971      |
| 1994  | 193      | 8,368      |
| 1995  | 160      | 8,628      |
| 1996  | 178      | 8,663      |
| 1997  | 199      | 8,772      |
| 1998  | 176      | 9,100      |
| 1999  | 221      | 9,515      |
| 2000  | 185      | 9,441      |
| 2001  | 170      | 9,864      |
| 2002*   | 180      | 9,840      |

\*2002 data are provisional  
SOURCE: NM Department of Health  
ONMVRHS



| NEW MEXICO RESIDENT DEATHS<br>LEADING CAUSES OF DEATH - AGES 65 YEARS AND OLDER<br>1998-2002* AVERAGE |        |        |                                    |        |        |
|---|--------|--------|------------------------------------|--------|--------|
| LUNA COUNTY   |        |        | NEW MEXICO                         |        |        |
| Causes  | Number | Rate   | Causes                             | Number | Rate   |
| All Causes  | 932    | 4096.7 | All Causes                         | 47,760 | 4500.9 |
| Diseases of Heart   | 310    | 1363.5 | Diseases of Heart                  | 13,459 | 1268.4 |
| Malignant Neoplasms   | 203    | 893.4  | Malignant Neoplasms                | 10,313 | 971.9  |
| Cerebrovascular Diseases  | 67     | 294.5  | Chronic Lower Respiratory Diseases | 3,630  | 342.1  |
| Chronic Lower Respiratory Diseases  | 53     | 231.1  | Cerebrovascular Diseases           | 3,407  | 321.1  |
| Diabetes Mellitus   | 42     | 185.1  | Diabetes Mellitus                  | 1969   | 185.5  |

\* 2002 data are provisional  
Rate per 100,000 population ages 65 years and older. Rate numerator was deaths for years 1998-2002, divided by 5; denominator was the 2000 population.  
Due to the implementation of ICD-10 in 1999, comparability ratios have been applied to statistics for years prior to 1999. Rates and numbers may not equal those previously reported due to the application of comparability ratios.  
SOURCE: NM Department of Health, Office of New Mexico Vital Records and Health Statistics



# GENERAL MORTALITY

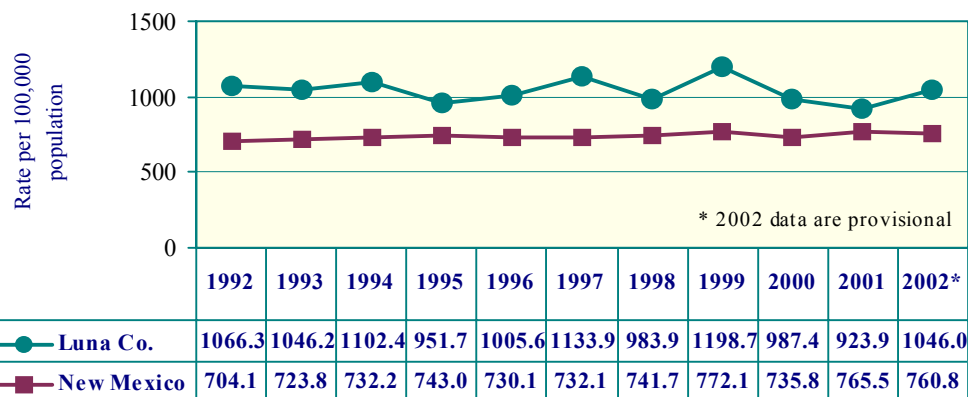
## NEW MEXICO RESIDENT DEATHS COUNTY AND STATE TOTALS 1992-2002

|            | 1992   | 1993   | 1994   | 1995   | 1996   | 1997   | 1998   | 1999   | 2000   | 2001   | 2002*  |
|------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Luna Co.   | 212    | 220    | 239    | 213    | 231    | 267    | 236    | 293    | 247    | 231    | 264    |
| New Mexico | 11,130 | 11,689 | 12,106 | 12,500 | 12,456 | 12,613 | 12,858 | 13,433 | 13,384 | 14,016 | 14,114 |

\* 2002 data are provisional

SOURCE: NM Department of Health, Office of New Mexico Vital Records and Health Statistics

## NEW MEXICO RESIDENTS DEATH RATES 1992-2002



\* 2002 data are provisional

SOURCE: NM Department of Health  
Office of New Mexico Vital Records and Health Statistics

## NEW MEXICO RESIDENT DEATHS LEADING CAUSES OF DEATH 1998-2002\* AVERAGE

| LUNA COUNTY                        |        |        | NEW MEXICO                         |         |        |
|------------------------------------|--------|--------|------------------------------------|---------|--------|
| All Races/All Ages                 | Number | Rate   | All Races/All Ages                 | Number  | Rate   |
| All Causes                         | 1,270  | 1015.4 | All Causes                         | 67,805  | 745.5  |
| Diseases of Heart                  | 380    | 303.8  | Diseases of Heart                  | 16,186  | 178.0  |
| Malignant Neoplasms                | 277    | 221.7  | Malignant Neoplasms                | 14,440  | 158.8  |
| Cerebrovascular Diseases           | 74     | 59.2   | Accidents (Unintentional Injuries) | 4,759   | 52.3   |
| Chronic Lower Respiratory Diseases | 64     | 50.9   | ---( Motor Vehicle Accidents)      | (1,904) | (20.9) |
| Accidents (Unintentional Injuries) | 57     | 45.8   | Chronic Lower Respiratory Diseases | 4,125   | 45.3   |
| ---( Motor Vehicle Accidents)      | (25)   | (20.1) | Cerebrovascular Diseases           | 3,890   | 42.8   |

\* 2002 data are provisional

Rate per 100,000 population. Rate numerator was deaths for years 1998-2002, divided by 5; denominator was the 2000 population.

Due to the implementation of ICD-10 in 1999, comparability ratios have been applied to statistics for years prior to 1999.

Rates and numbers may not equal those previously reported due to the application of comparability ratios.

SOURCE: NM Department of Health, Office of New Mexico Vital Records and Health Statistics



| CHILDREN UNDER 6 WITH ELEVATED BLOOD LEAD LEVELS<br>OF THOSE CHILDREN SCREENED, 2001-2002 |       |       |
|---|-------|-------|
|   | 2001  | 2002  |
| <b>Luna Co.</b>   |       |       |
| Number of Children with Elevated Blood Lead Levels  | 2     | 1     |
| <b>New Mexico</b>   |       |       |
| Number of Children Screened   | 2,691 | 2,876 |
| Number of Children with Elevated Blood Lead Levels  | 37    | 35    |
| Percent of Children with Elevated Blood Lead Levels                                       | 1.4   | 1.2   |

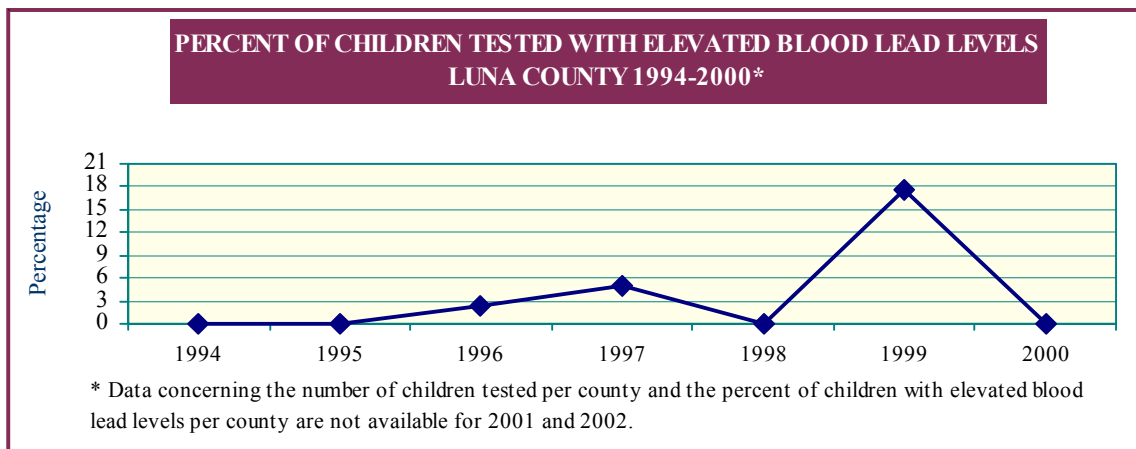
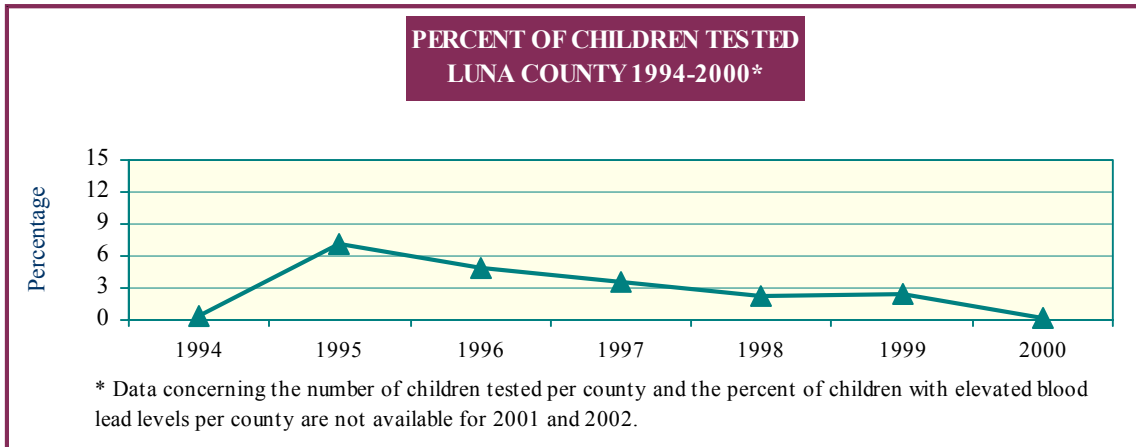
**NOTE:** Elevated Blood Lead Levels is defined as  $\geq 10 \mu\text{g/dl}$  of blood.

In Luna County, 14.5% of the houses were built prior to 1950. More than 27% pre-1950 housing in an area is considered a greater than average risk for lead poisoning in children.

- Lead poisoning is the number one preventable environmental health problem for children under 6 years.
- Risk factors for lead poisoning include older housing, poverty, and adult occupational exposure to lead.
- The only way to determine a child's lead level is with a blood lead test.
- The national estimate (1997) of children with an elevated blood lead level is 4.4%.<sup>2</sup>

It is estimated that 60% to 80% of children with elevated blood lead levels are in the Medicaid population.<sup>2</sup>

Note: Screening rates have declined significantly in New Mexico (NM) since the mid 1990's.



<sup>1</sup>  $\geq 10 \mu\text{g/dl}$  of blood (greater than or equal to 10 micrograms per deciliter of blood), the Centers for Disease Control and Prevention (CDC) identified level of concern.

<sup>2</sup> General Accounting Office (GAO) Report, 1999.

SOURCE: NM Department of Health, Office of Epidemiology

## COMMUNITY RESOURCES



### HOSPITALS AND PRIMARY CARE FACILITIES

| HOSPITAL / PRIMARY CARE FACILITY | PHONE         | STREET ADDRESS      | CITY   | STATE | ZIP   |
|----------------------------------|---------------|---------------------|--------|-------|-------|
| Mimbres Memorial Hospital        | (505)546-2761 | 900 West Ash Street | Deming | NM    | 88030 |

SOURCE: NM Department of Health, District III Health Office

### HEALTH CARE CLINICS

| FACILITY                 | PHONE         | STREET ADDRESS | CITY     | STATE | ZIP   |
|--------------------------|---------------|----------------|----------|-------|-------|
| Ben Archer Health Center | (505)531-2165 | 626 Taft St    | Columbus | NM    | 88029 |
| Deming Health Center     | (505)546-4663 | 205 E Hemlock  | Deming   | NM    | 88030 |

SOURCE: NM Department of Health, District III Health Office

### LUNA COUNTY SELECTED COMMUNITY PARTNERS FOR PUBLIC HEALTH

| COMMUNITY PARTNER                      | PHONE #       |
|--|---------------|
| Binational Health Council              | (505)546-2771 |
| Columbus Coalition                     | (505)546-4699 |
| Columbus Healthcare Organization       | (505)531-2917 |
| Deming Literacy Program                | (505)546-7571 |
| Deming Luna County Community Coalition | (505)546-4699 |
| Deming Rural Health Board of Advisors  | (505)546-4663 |
| GRADS Program                          | (505)546-2678 |
| Healthy Start Consortium               | (505)546-9254 |
| La VIDA Diabetes Program               | (505)544-3400 |
| Luna County DWI Council                | (505)546-7377 |
| Luna County Housing Corporation        | (505)546-6594 |
| Luna County IHI                        | (505)543-6566 |
| Maternal and Child Health Council      | (505)543-6566 |
| Medicaid in schools                    | (505)546-8841 |
| Mimbres Valley Authority               | (505)546-6594 |
| Mujeres En Progreso                    | (505)531-7242 |
| Operation transportation               | (505)546-9254 |
| Smart Choices                          | (505)546-3119 |
| The Wellness Coalition                 | (505)534-0248 |
| Youth Services Inc.                    | (505)546-6223 |
| YWCA Advisory Committee                | (505)544-3661 |

SOURCE: NM Department of Health, District III Health Office

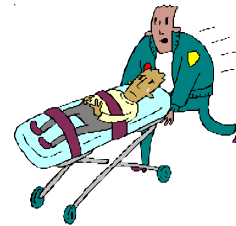
| LICENSED HEALTH PROFESSIONALS<br>BY COUNTY OF LICENSE<br>2002 |          |            |
|---|----------|------------|
|   | Luna Co. | New Mexico |
| Medical Doctor  | 21       | 5,809      |
| Medical Doctor Resident                                       | 0        | 1,144      |
| Physician Assistant   | 0        | 287        |
| Nurse (RN & LPN)  | 108      | 19,575     |
| Certified Nurse Midwives                                      | 0        | 148        |
| Licensed Midwives   | 0        | 79         |

SOURCE: New Mexico Health Policy Commission

| ACTIVE EMERGENCY MEDICAL SERVICES<br>PERSONNEL BY LEVEL<br>AS OF AUGUST 20, 2003 |          |            |
|--|----------|------------|
| Level  | Luna Co. | New Mexico |
| First Responder  | 0        | 760        |
| Dispatcher   | 0        | 398        |
| Dispatcher-Instructor  | 0        | 16         |
| EMT-Basic  | 25       | 3,321      |
| EMT-Intermediate   | 11       | 1,190      |
| EMT-Paramedic  | 4        | 955        |
| Total  | 40       | 6,641      |

NOTE: There are personnel with current active licenses at more than one level in this snapshot. The actual state personnel total is 6,546.

SOURCE: NM Department of Health



| ACTIVE EMERGENCY MEDICAL<br>SERVICES PERSONNEL BY GENDER<br>AS OF AUGUST 20, 2003 |          |            |
|---|----------|------------|
| Gender  | Luna Co. | New Mexico |
| Male  | 32       | 4,574      |
| Female  | 8        | 1,995      |
| Unknown   | 0        | 72         |
| Total   | 40       | 6,641      |

NOTE: There are personnel with current active licenses at more than on level in this snapshot. The actual state personnel total is 6,546.

SOURCE: NM Department of Health

## GLOSSARY

**AGE-ADJUSTED**—Weights the age-specific rates for a given population by the age distribution of a standard population, thereby enabling the direct comparison of rates between populations with differing age structures.

**CHILDREN'S CHRONIC CONDITIONS REGISTRY**—A registry of data on children with special needs; data are from programs and physicians who provide services to these children. Maintained by the New Mexico Department of Health.

**COMPARABILITY RATIOS**—With each revision of the *International Classification of Diseases (ICD)*, discontinuities are created in cause-of-death trend data. The classification and rule changes have a substantial impact as deaths that may have been coded to one category in the previous revision are coded to another category in the new revision. To compensate for these shifts, comparability (also called bridge-coding) studies are undertaken to determine the extent of comparability between the two revisions. As a result of these studies, comparability ratios are developed that reflect the degree of comparability between the two revisions.

**CRUDE BIRTH RATE**—Number of live births per 1,000 population.

**CRUDE DEATH RATE**—Number of deaths per 1,000 or 100,000 population.

**D.W.I.**—Driving While Impaired; the current legal limit for blood alcohol concentration is .08 for 21 and older, and .02 for younger than 21.

**FERTILITY RATE**—Number of live births per 1,000 women 15-44 years of age.

**FOOD STAMP PROGRAM (FSP)**—The FSP is an entitlement program based on Federal rules and mandates. The purpose of the FSP is to increase food purchasing power and to supplement the nutrition level of eligible households. In addition, the FSP provides a nutrition education program to eligible households. Eligibility for participation in the FSP is based on a gross income test at 130% of the Federal Poverty Guidelines for the size of the household. Eligibility is also based on a resource test; the household's liquid and nonliquid resources cannot exceed \$2000.00. Food stamp benefits are issued on a monthly basis through an electronic benefit transfer (EBT) system. The FSP has a change reporting and work requirement for adults in the household. Failure to report changes or comply with work requirements results in a reduction or closure of Food Stamp benefits. Under contract with another agency, the Department provides a free nutrition education program for Food Stamp applicants and recipients.

**HOSPITAL DISCHARGE DATA**—Data, such as diagnosis, gender, age, residence, on hospital inpatient discharges; collected by the NM Health Policy Commission from licensed, non-federal general and specialty hospitals.

**INCIDENCE**—Measure of the frequency at which new events/cases of a disease or condition occur in a specified population over a given time period.

**INCIDENCE RATE**—Number of new cases of disease/condition over a given time period (often, a year) that occur in a population at risk for that disease/condition (ergo number of new lung cancer cases per 100,000 persons in a year). An estimate of the risk of developing a disease/condition during a specified time period.

**INFANT DEATH**—Death of an infant under one year of age (neonatal + postneonatal).

**INFANT MORTALITY RATE**—Number of infant deaths per 1,000 (or 100,000) live births.

**LIVE BIRTH**—A birth that shows any sign of life after delivery.

**LOW BIRTH WEIGHT**—A live birth weighing less than 2500 grams (5-1/2 pounds).

**MEDICAID**—A federally and state-funded program to pay for medical and other services to eligible New Mexico citizens.

**NEONATAL DEATH**—Death of newborn under 28 days of age.

**NEONATAL MORTALITY RATE**—Number of neonatal deaths per 1,000 (or 100,000) live births.

**NEURAL TUBE DEFECTS**—Malformations of the spine and brain that arise in the first 29 days of pregnancy.

**OCCURRENCE DATA**—Data allocated by place where event occurred, regardless of the person's place of residence.

## GLOSSARY CONTINUED

**POPULATION ESTIMATE**—Estimate of the number of persons for either a past or current time period.

**POSTNEONATAL DEATH**—Death of an infant of at least 28 days, but less than one year of age.

**POSTNEONATAL MORTALITY RATE**—Number of postneonatal deaths per 1,000 or (100,000) live births.

**POVERTY**—Poverty status is based on the 1964 Social Security Administration definition (modified in 1969 and 1980). At the core of this definition was the 1961 Department of Agriculture economy food plan, which arose from findings of a 1955 Department of Agriculture survey of food consumption. The 1955 findings showed that families of three or more spent about 1/3 of their income on food. Poverty status/level is tied to the cost of the economy food plan that is revised annually for cost of living as reflected in the Consumer Price Index.

**PRENATAL CARE**—1) Level of Prenatal Care – categorization of prenatal care services into no/low, middle and high levels of care based on the number of visits and month care began (modified Kessner index). 2) Adequacy of Prenatal Care Utilization Index – an alternative measure of prenatal care utilization that adjusts for some of the weaknesses of the trimester care began and the Kessner index (Kotelchuck index).

**RESIDENCE DATA**—Data allocated by place of residence of the decedent (deaths) or by place of residence of the child's mother (births).

**SCHOOL ENROLLMENT**—The count of high school students on the current roll on the 40th official school day, by school district.

**SUBSTANTIATED**—Through the course of the investigation, the social worker determined that the child(ren) who is the subject of the report have been determined to have been the victim of abuse and/or neglect. In other words the allegations are true.

**TEMPORARY ASSISTANCE FOR NEEDY FAMILIES (TANF)**—TANF is the State-administered, county-operated, monthly cash assistance program funded by a Federal block grant under Title IV-A of the Social Security Act. In July 1997, TANF replaced the previous entitlement program known as Aid to Families with Dependent Children (AFDC). The TANF program is not an entitlement program and has a 60-month term limit in New Mexico, which means that adults receiving assistance from the TANF block grant program can receive assistance for a 60 month maximum limit. TANF is available to both single and two-parent families. To receive TANF, there must be at least one dependent child (under age 18) in the home. TANF eligibility is based on a gross income test at 85% of the Federal Poverty Guideline for the size of the family. Eligibility is also based on a resource test; the family's liquid resources must be less than \$1500.00 and non liquid resources must be less than \$2000.00. Cash assistance is issued through an electronic benefit transfer system, similar to an ATM debit card. The TANF program has a mandatory change reporting and work requirement for adults and a mandatory school attendance requirement for dependent children. The adults in the family must cooperate with child support enforcement efforts on behalf of the dependent children. There are cash payment reductions for failure to comply with change reporting, work requirements, child support enforcement and school attendance.

**TOTAL PERSONAL INCOME (TPI)**—Includes the earnings (wages and salaries, other labor income, proprietors' income), dividends, interest, and rent, and transfer payments received by the residents of county. Data shown in thousands.

**UNEMPLOYED**—Based on monthly surveys, persons who did not work during a specified week but made specific efforts to find a job in the previous 4 weeks and were available for work. Also, persons who did not work, were available for work but were not actively seeking work because they (a) had been laid off and were waiting to be called back; or (b) were waiting to report to a job within 30 days. Does not include those no longer seeking work other than in situations (a) and (b).

**UNEMPLOYMENT RATE**—Number of persons unemployed as a percent of the civilian labor force.

**UNSUBSTANTIATED**—Investigation indicates that the investigator was unable to determine that the allegation(s) were true.

**VERY LOW BIRTH WEIGHT**—A live birth weighing less than 1500 grams (about 2 lbs. 5 oz.) at birth.

**W.I.C.**—Women, Infants and Children; a federally-funded, special supplemental nutrition program administered by the New Mexico Department of Health and tribal agencies. Its purpose is to provide high-nutrient density food to promote optimal health outcome during the perinatal period. Services include food assistance, nutrition education and referral to health services.