



**Union County Health Data Profile**

**Southern Illinois Healthcare, Community Benefits Department  
2003**

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## **Demographics**

*The health of a community cannot be fully assessed without a clear knowledge of the makeup of the population. (The number of residents, where do they reside, is a community growing, and what are the racial and ethnic characteristics of the population?)*

# Union County, Illinois

## Demographics – Age and Gender of Population

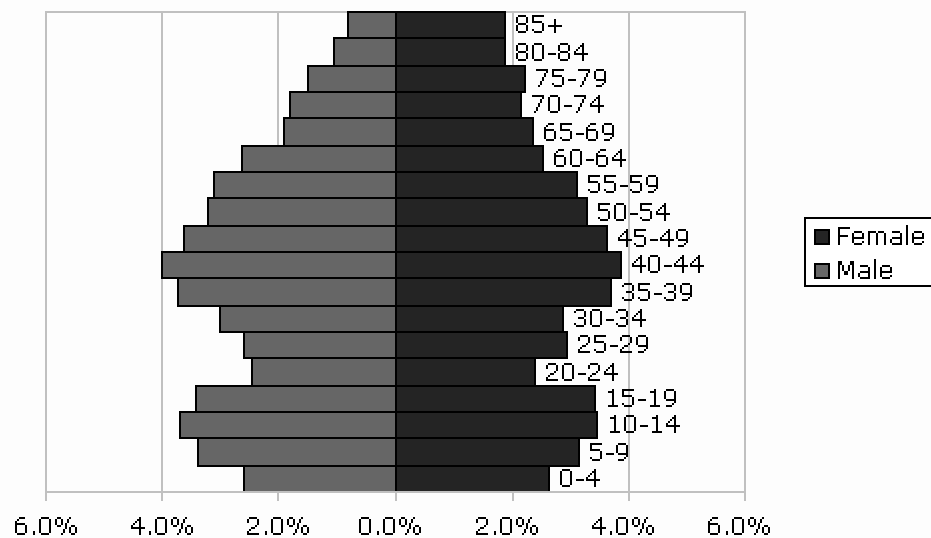
U. S. Census Bureau 2000 data

|                  |        |   |
|------------------|--------|---|
| Total population | 18,293 | 0 |
|------------------|--------|---|

| SEX AND AGE       |       |        |
|-------------------|-------|--------|
| Male              | 8,887 | 4810.6 |
| Female            | 9,406 | 51.4   |
|                   |       |        |
| Under 5 years     | 957   | 5.2    |
| 5 to 9 years      | 1,195 | 6.5    |
| 10 to 14 years    | 1,307 | 7.1    |
| 15 to 19 years    | 1,253 | 6.8    |
| 20 to 24 years    | 892   | 4.9    |
| 25 to 34 years    | 2,092 | 11.4   |
| 35 to 44 years    | 2,797 | 15.3   |
| 45 to 54 years    | 2,517 | 13.8   |
| 55 to 59 years    | 1,139 | 6.2    |
| 60 to 64 years    | 942   | 5.1    |
| 65 to 74 years    | 1,502 | 8.2    |
| 75 to 84 years    | 1,214 | 6.6    |
| 85 years and over | 486   | 2.7    |

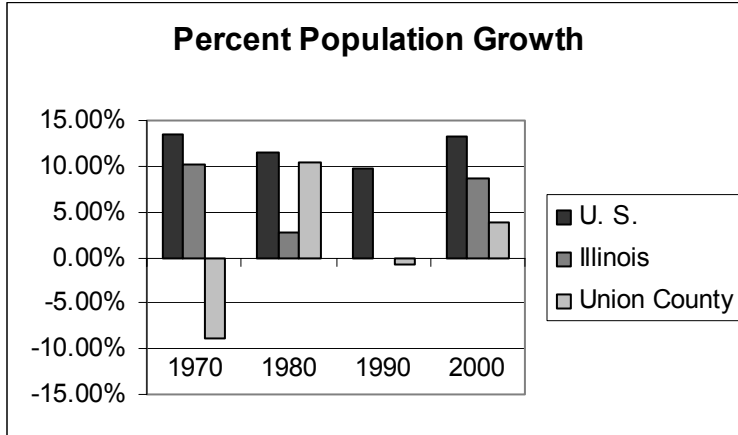
The median population age in Union County, Illinois is 40.3 years. There is a small number of people in the twenty-forty age group, especially for females

Age Distribution, 2000

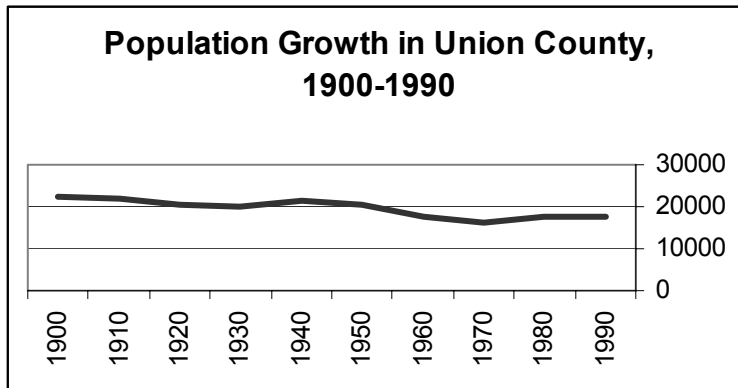


From: <http://www.censuscope.org>

Population Change



Source: Census 2000 analyzed by the Social Science Data Analysis Network (SSDAN).



Data from: <http://www.census.gov>

The population of Union County has remained the same over the past 100 years.

**Cities and Townships in Union County**

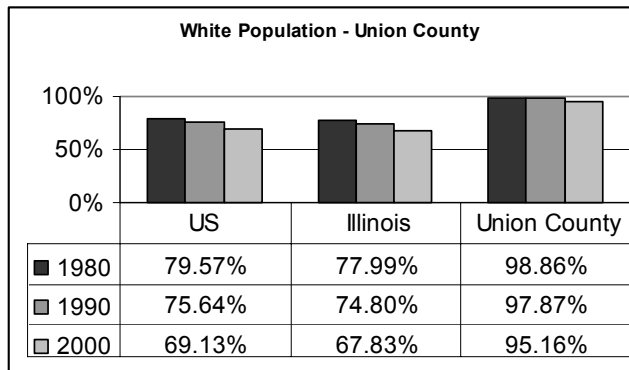
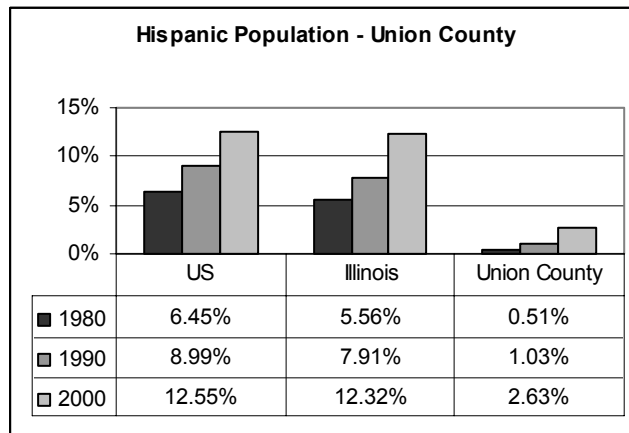
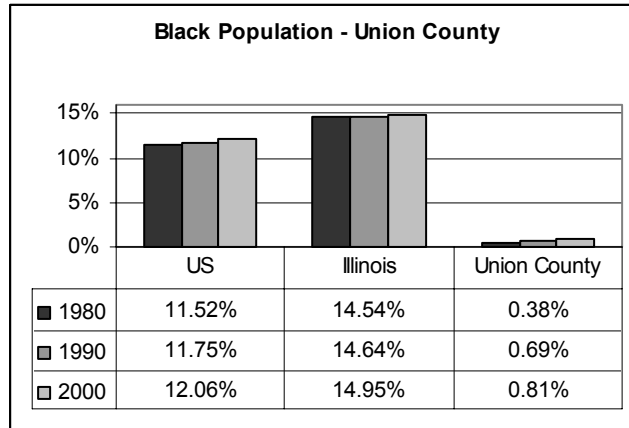
| <b>City</b>                | <b>Population</b> |
|----------------------------|-------------------|
| <a href="#">Anna</a>       | 4,637             |
| <a href="#">Jonesboro</a>  | 1,758             |
| <a href="#">Cobden</a>     | 1,055             |
| <a href="#">Dongola</a>    | 766               |
| <a href="#">Alto Pass</a>  | 444               |
| <a href="#">Mill Creek</a> | 91                |
| <a href="#">Millcreek</a>  | -                 |
| <a href="#">Wolf Lake</a>  | -                 |

<http://www.capitolimpact.com>

# Union County, Illinois

## Racial Diversity

Data from: [www.census.gov](http://www.census.gov)



# Union County, Illinois

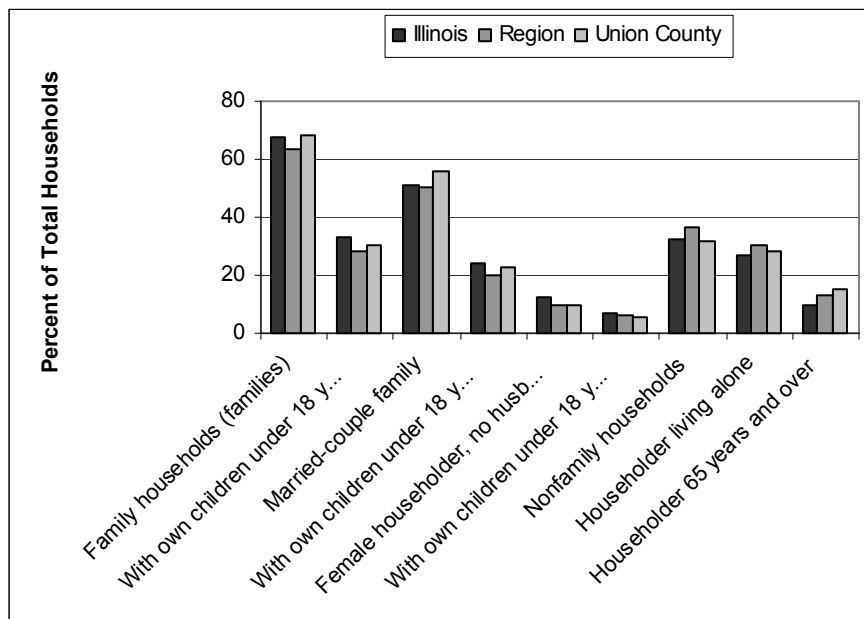
## Union County Household Types

| HOUSEHOLDS BY TYPE                            | Illinois         |               | Region*       |              | Union        |            |
|---|------------------|---------------|---------------|--------------|--------------|------------|
|   |                  |               |               |              |              |            |
| <b>Total households</b>                       | <b>4,591,779</b> | <b>100.00</b> | <b>96,950</b> | <b>100.0</b> | <b>7,290</b> | <b>100</b> |
| Family households (families)                  | 3,105,513        | 67.60         | 61,690        | 63.6         | 4,973        | 68.2       |
| With own children under 18 years              | 1,514,561        | 33.00         | 27,235        | 28.1         | 2,210        | 30.3       |
| Married-couple family                         | 2,353,892        | 51.30         | 48,797        | 50.3         | 4,053        | 55.6       |
| With own children under 18 years              | 1,113,582        | 24.30         | 19,625        | 20.2         | 1,663        | 22.8       |
| Female householder, no husband present        | 563,718          | 12.30         | 9,553         | 9.9          | 690          | 9.5        |
| With own children under 18 years              | 315,957          | 6.90          | 5,826         | 6.0          | 421          | 5.8        |
| Nonfamily households                          | 1,486,266        | 32.40         | 35,260        | 36.4         | 2,317        | 31.8       |
| Householder living alone                      | 1,229,807        | 26.80         | 29,550        | 30.5         | 2,074        | 28.4       |
| Householder 65 years and over                 | 438,693          | 9.60          | 12,803        | 13.2         | 1,089        | 14.9       |
| Households with individuals under 18 years    | 1,663,878        | 36.20         | 29,444        | 30.4         | 2,365        | 32.4       |
| Households with individuals 65 years and over | 1,064,919        | 23.20         | 26,589        | 27.4         | 2,185        | 30         |
| Average household size                        | 2.63             |               | 2.35          |              | 2.38         | (X)        |
| Average family size                           | 3.23             |               | 2.90          |              | 2.93         | (X)        |

U.S. Census 2000 Data

\*Region includes seven area counties, Franklin, Jackson, Johnson, Perry, Saline, Union and Williamson

\*\*Indented housing types are subsets of the housing type above them.



Union County household characteristics mirror those of the region and state.

**Household Types, 1990-2000**

**Household Types, 1990-2000 - Union County**

|                                 | 1990         |                | 2000         |                | Illinois<br>2000 |
|---------------------------------|--------------|----------------|--------------|----------------|------------------|
|                                 | Number       | Percent        | Number       | Percent        | Percent          |
| <b>Total Households</b>         | <b>6,838</b> | <b>100.00%</b> | <b>7,290</b> | <b>100.00%</b> | <b>100.00%</b>   |
| <b>Married Couple</b>           | <b>4,114</b> | <b>60.20%</b>  | <b>4,053</b> | <b>55.60%</b>  | <b>51.30%</b>    |
| <b>With Children*</b>           | 1,768        | 25.90%         | 1,663        | 22.80%         | 24.30%           |
| <b>Without Children*</b>        | 2,346        | 34.30%         | 2,390        | 32.80%         | 27.00%           |
| <b>Female-Headed</b>            | <b>550</b>   | <b>8.00%</b>   | <b>690</b>   | <b>9.50%</b>   | <b>12.30%</b>    |
| <b>With Children*</b>           | 318          | 4.70%          | 421          | 5.80%          | 6.90%            |
| <b>Without Children*</b>        | 232          | 3.40%          | 269          | 3.70%          | 5.40%            |
| <b>Male-Headed</b>              | <b>190</b>   | <b>2.80%</b>   | <b>230</b>   | <b>3.20%</b>   | <b>4.10%</b>     |
| <b>With Children*</b>           | 95           | 1.40%          | 126          | 1.70%          | 1.90%            |
| <b>Without Children*</b>        | 95           | 1.40%          | 104          | 1.40%          | 2.20%            |
| <b>Non-Family</b>               | <b>1,984</b> | <b>29.00%</b>  | <b>2,317</b> | <b>31.80%</b>  | <b>32.40%</b>    |
| <b>Householder Living Alone</b> | 1,847        | 27.00%         | 2,074        | 28.40%         | 26.80%           |
| <b>Two or More Persons</b>      | 137          | 2.00%          | 243          | 3.30%          | 5.60%            |

\* For the purposes of this table, "children" are people under age 18.

**Source:** Census 2000 analyzed by the Social Science Data Analysis Network (SSDAN).

## Housing

|   | Union    | Illinois  |
|---|----------|-----------|
| Housing   | County   |           |
| Housing units, 2000                                     | 7,894    | 4,885,615 |
| Homeownership rate, 2000                                | 75.4%    | 67.3%     |
| Multi-unit housing structures, percent, 2000            | 10.5%    | 34.0%     |
| Living in same house in 1995 and 2000, pct age 5+, 2000 | 60.3%    | 56.8%     |
| Med. value of owner-occ housing units, 2000             | \$59,900 | \$130,800 |
| Households, 2000  | 7,290    | 4,591,779 |
| Persons per household, 2000                             | 2.38     | 2.63      |
| Housing units authorized by building permits, 2000      | 48       | 51,944    |

Data source: [www.census.gov](http://www.census.gov)

*An indication of quality of life is the presence in a county of affordable (and adequate) housing and home ownership. There are areas in the United States where the cost of housing is beyond the financial grasp of some residents. This can lead to a lack of stability within the county.*

## **Income and Economic Characteristics**

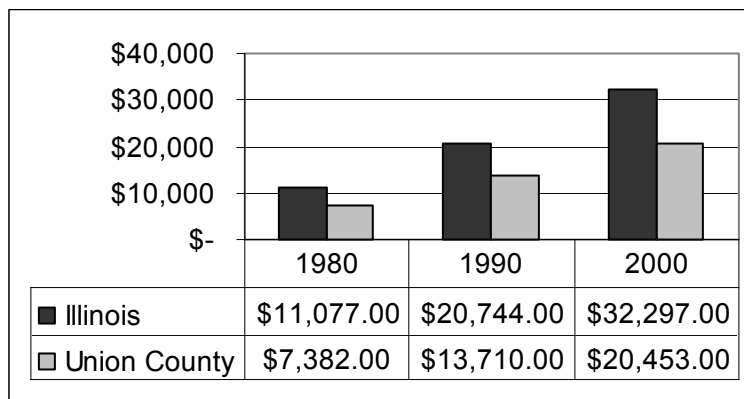
*A major factor influencing the health of a county is the health of its economy. Can residents find employment? How does the economy react to nationwide recessions and periods of economic growth or decline? What are personal, household and family income levels?*

# Union County, Illinois

## Per Capita Personal Income – Union County

(Data source: [www.bea.gov](http://www.bea.gov))

Personal income affects our communities and our lives. Income inequality leads to a poor standard of living, deficiencies in even the most basic of necessities such as food and health care. Personal, family and household incomes are measures that influence the type of house we occupy, automobile we drive and may even affect how our children perform in school.



In Union County, *per capita* personal income is growing much more slowly than for the state of Illinois. These data demonstrate the economic problems facing Union County.

# Union County, Illinois

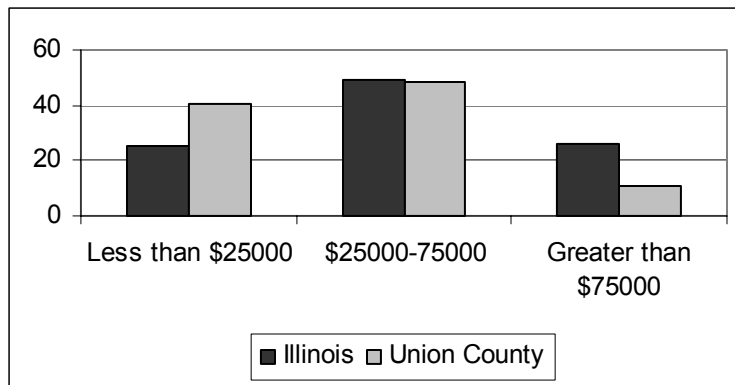
## Household Income

| INCOME IN 1999 - Union County, Illinois |              |            |
|---|--------------|------------|
| Household Income                        | Number       | Percent    |
| <b>Total</b>                            | <b>7,320</b> | <b>100</b> |
| Less than \$10,000                      | 1,006        | 13.7       |
| \$10,000 to \$14,999                    | 624          | 8.5        |
| \$15,000 to \$24,999                    | 1,327        | 18.1       |
| \$25,000 to \$34,999                    | 1,105        | 15.1       |
| \$35,000 to \$49,999                    | 1,330        | 18.2       |
| \$50,000 to \$74,999                    | 1,119        | 15.3       |
| \$75,000 to \$99,999                    | 499          | 6.8        |
| \$100,000 to \$149,999                  | 228          | 3.1        |
| \$150,000 to \$199,999                  | 27           | 0.4        |
| \$200,000 or more                       | 55           | 0.8        |
| Median household income (dollars)       | 30,994       | (X)        |

*U.S. Census 2000 Data*

The chart and graph indicate that a large percentage of Union County households (40.3 percent) have income of less than \$25,000 per year. The median household income of Union County (\$30,994) is far below that of the state of Illinois (\$46,590). The high percentage of households in the low income ranges suggest that healthcare needs for Union County must reflect an above average need for assistance programs for the uninsured and underinsured.

### Percent of Households with Low, Medium and High Incomes in Union County



Household income differs in Union County compared to the state of Illinois. The percentage of households in the \$25,000 - \$75,000 range is similar, but there are proportionately more low income households and less high income households in Union County.

*U.S. Census 2000*

The percentage of households in a county that fall below the poverty level in household income is used to measure economic well-being.

# Union County, Illinois

## Family Income

[www.census.gov](http://www.census.gov) census 2000 data

| Families                       | Union County |      | Illinois  |      |
|--------------------------------|--------------|------|-----------|------|
|                                | 5,012        | 100  | 3,125,318 | 100  |
| Less than \$10,000             | 364          | 7.3  | 156,205   | 5    |
| \$10,000 to \$14,999           | 276          | 5.5  | 105,747   | 3.4  |
| \$15,000 to \$24,999           | 840          | 16.8 | 273,712   | 8.8  |
| \$25,000 to \$34,999           | 785          | 15.7 | 331,907   | 10.6 |
| \$35,000 to \$49,999           | 1,087        | 21.7 | 506,429   | 16.2 |
| \$50,000 to \$74,999           | 975          | 19.5 | 736,897   | 23.6 |
| \$75,000 to \$99,999           | 446          | 8.9  | 445,390   | 14.3 |
| \$100,000 to \$149,999         | 180          | 3.6  | 356,068   | 11.4 |
| \$150,000 to \$199,999         | 19           | 0.4  | 101,955   | 3.3  |
| \$200,000 or more              | 40           | 0.8  | 111,008   | 3.6  |
| Median family income (dollars) | 37,710       | (X)  | 55,545    | (X)  |

The Union County median family income of \$37,710 is 68 percent of the median income (\$55,545) for the state of Illinois.

Union County has nearly 30 percent of its families with income of less than \$25,000. In the state of Illinois, 17.2 percent of families have incomes below \$25,000.

Family income is an indicator of quality of health in the population. Low family incomes may not support provision of nutritious food, proper sanitation, adequate housing, medical care and coverage.

**Poverty, 1999 Data – Union County**

<http://quickfacts.census.gov/qfd/index.html>

| <b>POVERTY STATUS IN 1999 (below poverty level)</b>         | <b>Number</b> | <b>Percent</b> |
|---|---------------|----------------|
| <b>Families</b>   | <b>542</b>    | <b>(X)</b>     |
| Percent below poverty level                                 | (X)           | 10.8           |
| With related children under 18 years                        | 421           | (X)            |
| Percent below poverty level                                 | (X)           | 18.1           |
| With related children under 5 years                         | 207           | (X)            |
| Percent below poverty level                                 | (X)           | 24.1           |
|   |               |                |
| <b>Families with female householder, no husband present</b> | <b>224</b>    | <b>(X)</b>     |
| Percent below poverty level                                 | (X)           | 29.7           |
| With related children under 18 years                        | 197           | (X)            |
| Percent below poverty level                                 | (X)           | 40.2           |
| With related children under 5 years                         | 88            | (X)            |
| Percent below poverty level                                 | (X)           | 58.3           |
|   |               |                |
| <b>Individuals</b>  | <b>2,975</b>  | <b>(X)</b>     |
| Percent below poverty level                                 | (X)           | 16.5           |
| 18 years and over   | 2,105         | (X)            |
| Percent below poverty level                                 | (X)           | 15.3           |
| 65 years and over   | 356           | (X)            |
| Percent below poverty level                                 | (X)           | 12.1           |
| Related children under 18 years                             | 825           | (X)            |
| Percent below poverty level                                 | (X)           | 19.8           |
| Related children 5 to 17 years                              | 588           | (X)            |
| Percent below poverty level                                 | (X)           | 18.3           |
| Unrelated individuals 15 years and over                     | 1,191         | (X)            |
| Percent below poverty level                                 | (X)           | 35             |

(X) Not Applicable

## Union County, Illinois

### Poverty Thresholds for 2002 by Size of Family and Number of Related Children Under 18 Years (Dollars)

Source: [www.census.gov](http://www.census.gov)

| Size of family unit               | Related children under 18 years |        |        |        |        |        |        |        |               |
|-----------------------------------|---------------------------------|--------|--------|--------|--------|--------|--------|--------|---------------|
|                                   | None                            | One    | Two    | Three  | Four   | Five   | Six    | Seven  | Eight or more |
| One person (unrelated individual) | 9,359                           |        |        |        |        |        |        |        |               |
| Under 65 years                    | 8,628                           |        |        |        |        |        |        |        |               |
| 65 years and over                 |                                 |        |        |        |        |        |        |        |               |
| Two persons                       | 12,047                          | 12,400 |        |        |        |        |        |        |               |
| Householder under 65 years        | 10,874                          | 12,353 |        |        |        |        |        |        |               |
| Householder 65 years and over     | 14,072                          | 14,480 | 14,494 |        |        |        |        |        |               |
| Three person                      | 18,556                          | 18,859 | 18,244 | 18,307 |        |        |        |        |               |
| Four persons                      | 22,377                          | 22,703 | 22,007 | 21,469 | 21,141 |        |        |        |               |
| Five persons                      | 25,738                          | 25,840 | 25,307 | 24,797 | 24,038 | 23,588 |        |        |               |
| Six persons                       | 29,615                          | 29,799 | 29,162 | 28,718 | 27,890 | 26,924 | 25,865 |        |               |
| Seven persons                     | 33,121                          | 33,414 | 32,812 | 32,285 | 31,538 | 30,589 | 29,601 | 29,350 |               |
| Eight persons                     | 39,843                          | 40,036 | 39,504 | 39,057 | 38,323 | 37,313 | 36,399 | 36,173 | 34,780        |
| Nine persons or more              |                                 |        |        |        |        |        |        |        |               |

## Labor Force and Employment

Source: [www.census.gov](http://www.census.gov)

| EMPLOYMENT STATUS                   | Union County  |            | Illinois         |            |
|-------------------------------------|---------------|------------|------------------|------------|
|                                     | Number        | Percent    | Number           | Percent    |
| <b>Population 16 years and over</b> | <b>14,599</b> | <b>100</b> | <b>9,530,946</b> | <b>100</b> |
| In labor force                      | 8,498         | 58.2       | 6,230,617        | 65.4       |
| Civilian labor force                | 8,493         | 58.2       | 6,208,597        | 65.1       |
| Employed                            | 7,581         | 51.9       | 5,833,185        | 61.2       |
| Unemployed*                         | 912           | 6.2        | 375,412          | 3.9        |
| Percent of civilian labor force     | 10.7          | (X)        | 6                | (X)        |
| Armed Forces                        | 5             | 0          | 22,020           | 0.2        |
| Not in labor force*                 | 6,101         | 41.8       | 3,300,329        | 34.6       |
| <b>Females 16 years and over</b>    | <b>7,581</b>  | <b>100</b> | <b>4,934,988</b> | <b>100</b> |
| In labor force                      | 3,937         | 51.9       | 2,913,502        | 59         |
| Civilian labor force                | 3,937         | 51.9       | 2,909,574        | 59         |
| Employed                            | 3,704         | 48.9       | 2,740,019        | 55.5       |

**\* Definitions:**

**Unemployed**

All civilians 16 years old and over are classified as unemployed if they (1) were neither "at work" nor "with a job but not at work" during the reference week, and (2) were actively looking for work during the last 4 weeks, and (3) were available to accept a job. Also included as unemployed are civilians who did not work at all during the reference week, were waiting to be called back to a job from which they had been laid off, and were available for work except for temporary illness.

**Not in labor force**

Not in labor force includes all people 16 years old and over who are not classified as members of the labor force. This category consists mainly of students, housewives, retired workers, seasonal workers interviewed in an off season who were not looking for work, institutionalized people, and people doing only incidental unpaid family work (less than 15 hours during the reference week).

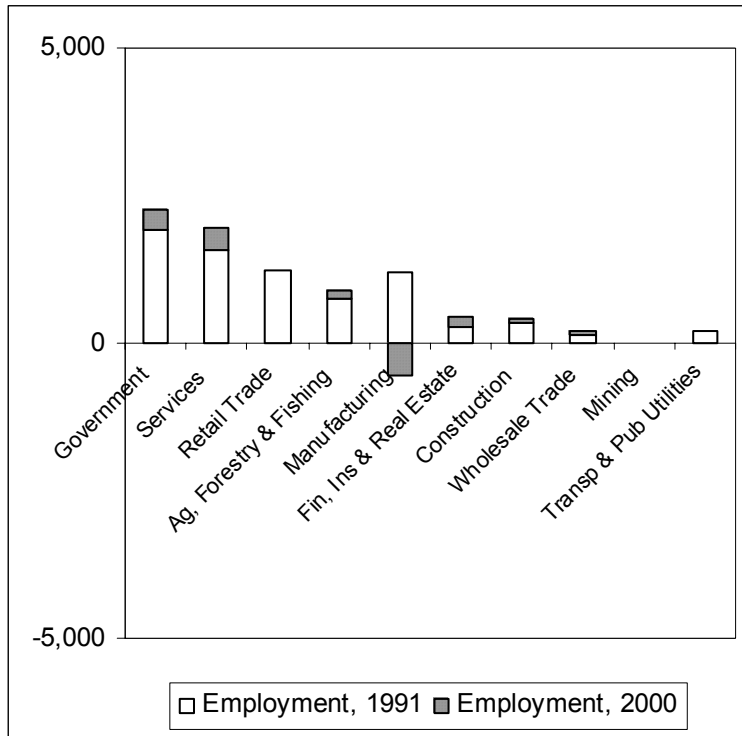
## Five Major Employers

[http://www.illinoisbiz.biz/com/community\\_profiles/c.html](http://www.illinoisbiz.biz/com/community_profiles/c.html)

| City      | Employer             | Number Employed |
|-----------|----------------------|-----------------|
| Anna      | Il. Mental Health    | 412             |
| Anna      | Transcraft Corp.     | 250             |
| Jonesboro | Union Cty. Couthouse | 116             |
| Cobden    | Cobden School Dist.  | 90              |
| Anna      | Absorbant Clay       | 80              |

## Employment Growth by Sector

Employment growth (1991-2000) in each economic sector:



Employment growth in Union County from 1991 to 2000 is, essentially, negligible. The manufacturing sector lost 555 jobs during this time. Government and service sectors are the largest employers in Union County.

*Having employment in diverse sectors of the economy provides job opportunities vital to the health of the county. Readily available jobs help the county retain young talent, attract new workers, and bring new business to the area. The above chart helps to visualize the strengths and weaknesses of the job market in Union County, Illinois.*

## **Education**

*There is a close relationship between education and economic health. To be competitive in our current national economy, communities must prepare individuals who are qualified to compete in a fast changing economic environment. When individuals gain knowledge and develop life skills pertaining to their own physical well-being and the means by which they can access needed services they are better prepared to maintain good overall health.*

*“Historically, the economy did not depend on education as much as it does today. A strong back mattered more than a strong mind. Today, there is an opportunity for schools and business to work together to meet the demands of a new workforce. Businesses can communicate needs, standards and expectations to our educators – and schools can respond to those needs.”*

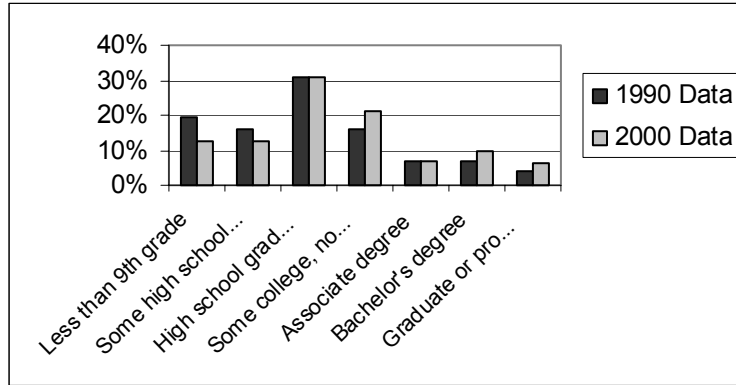
*Thomas Wolf  
President, The Wolf Organization*

# Union County, Illinois

## Education Attainment of the Population in Union County, Illinois

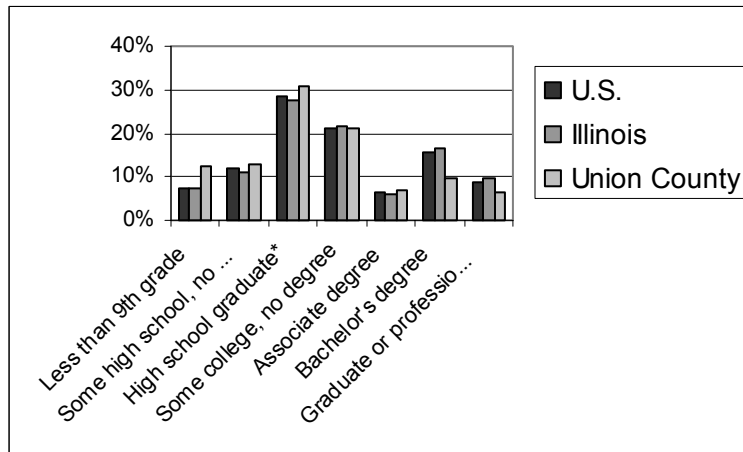
Data from [www.census.gov](http://www.census.gov)

### Percent of Population and Educational Attainment



This chart shows that Union County has improved the educational attainment of its population from the year 1990 to 2000.

### Educational Attainment of Union County, Illinois and the U.S. (2000)



While some strides in education are being made, this chart indicates the need for concern in the high percentage of those in Union County who do not attain a high school equivalency, as compared to the state and nation. Union County trails the state and nation in percent of population with bachelors or graduate degrees.

# Union County, Illinois

**TABLE BY SCHOOL SCHOOL YEAR 2001-2002**

| SCHOOL NAME (SCHOOL)        | STATE ABBR (SCHOOL) | COUNTY NAME (DISTRICT) | TOTAL STUDENTS (SCHOOL) | BLACK, NON-HISPANIC STUDENTS (SCHOOL) | HISPANIC STUDENTS (SCHOOL) | WHITE, NON-HISPANIC STUDENTS (SCHOOL) | PUPIL/TEACHER RATIO (SCHOOL) |
|-----------------------------|---------------------|------------------------|-------------------------|---------------------------------------|----------------------------|---------------------------------------|------------------------------|
| ANNA JUNIOR HIGH SCHOOL     | IL                  | UNION                  | 320                     | 2                                     | 1                          | 315                                   | 20                           |
| ANNA-JONESBORO HIGH SCHOOL  | IL                  | UNION                  | 531                     | 3                                     | 9                          | 514                                   | 16.6                         |
| COBDEN ELEM SCHOOL          | IL                  | UNION                  | 394                     | 7                                     | 105                        | 281                                   | 18.3                         |
| COBDEN HIGH SCHOOL          | IL                  | UNION                  | 194                     | 0                                     | 24                         | 169                                   | 12.2                         |
| COBDEN JR HIGH SCHOOL       | IL                  | UNION                  | 104                     | 0                                     | 20                         | 82                                    | 34.7                         |
| DAVIE ELEM SCHOOL           | IL                  | UNION                  | 148                     | 0                                     | 1                          | 147                                   | 24.7                         |
| DONGOLA ELEMENTARY SCHOOL   | IL                  | UNION                  | 182                     | 0                                     | 3                          | 177                                   | 14                           |
| DONGOLA HIGH SCHOOL         | IL                  | UNION                  | 99                      | 0                                     | 0                          | 96                                    | 10.5                         |
| DONGOLA JR HIGH SCHOOL      | IL                  | UNION                  | 46                      | 0                                     | 0                          | 43                                    | 23                           |
| JONESBORO ELEM SCHOOL       | IL                  | UNION                  | 467                     | 3                                     | 10                         | 448                                   | 13                           |
| LICK CREEK ELEM SCHOOL      | IL                  | UNION                  | 134                     | 0                                     | 0                          | 134                                   | 13.4                         |
| LINCOLN ELEM SCHOOL         | IL                  | UNION                  | 204                     | 0                                     | 3                          | 201                                   | 8.8                          |
| SHAWNEE ELEM SCHOOL - NORTH | IL                  | UNION                  | 105                     | 0                                     | 2                          | 103                                   | 11.7                         |
| SHAWNEE ELEM SCHOOL - SOUTH | IL                  | UNION                  | 117                     | 0                                     | 0                          | 117                                   | 13.9                         |

# Union County, Illinois

|                           |    |       |     |   |   |     |      |
|---------------------------|----|-------|-----|---|---|-----|------|
| SHAWNEE<br>HIGH SCHOOL    | IL | UNION | 148 | 0 | 1 | 147 | 9.3  |
| SHAWNEE JR<br>HIGH SCHOOL | IL | UNION | 127 | 0 | 1 | 126 | 18.1 |

(\*\*)= Column Data for Previous School Year  
 Numbers reported represent valid responses.

**Totals for Table**

(totals only for numeric columns)

|   |              |
|---|--------------|
| TOTAL STUDENTS (SCHOOL)                     | <b>3,320</b> |
| TOTAL BLACK, NON-HISPANIC STUDENTS (SCHOOL) | <b>15</b>    |
| TOTAL HISPANIC STUDENTS (SCHOOL)            | <b>180</b>   |
| TOTAL WHITE, NON-HISPANIC STUDENTS (SCHOOL) | <b>3,100</b> |

School Year 2001-2002

<http://nces.ed.gov/ccd/bat/index.asp>

**Implementation of the 8 Components of Coordinated School Health, 2001-2002**

| Schools – Union County, Illinois | Health Education | Physical Education | Health Services | Nutrition Services | Health Promotion for Staff | Counseling & Psychological Services | Healthy School Environment | Parent/Community Involvement |
|----------------------------------|------------------|--------------------|-----------------|--------------------|----------------------------|-------------------------------------|----------------------------|------------------------------|
| ANNA JUNIOR HIGH SCHOOL          |                  |                    |                 |                    |                            |                                     |                            |                              |
| ANNA-JONESBORO HIGH SCHOOL       |                  |                    |                 |                    |                            |                                     |                            |                              |
| COBDEN ELEM SCHOOL               |                  |                    |                 |                    |                            |                                     |                            |                              |
| COBDEN HIGH SCHOOL               |                  |                    |                 |                    |                            |                                     |                            |                              |
| COBDEN JR HIGH SCHOOL            |                  |                    |                 |                    |                            |                                     |                            |                              |
| DAVIE ELEM SCHOOL                |                  |                    |                 |                    |                            |                                     |                            |                              |
| DONGOLA ELEMENTARY SCHOOL        |                  |                    |                 |                    |                            |                                     |                            |                              |
| DONGOLA HIGH SCHOOL              |                  |                    |                 |                    |                            |                                     |                            |                              |
| DONGOLA JR HIGH SCHOOL           |                  |                    |                 |                    |                            |                                     |                            |                              |
| JONESBORO ELEM SCHOOL            |                  |                    |                 |                    |                            |                                     |                            |                              |
| LICK CREEK ELEM SCHOOL           |                  |                    |                 |                    |                            |                                     |                            |                              |
| LINCOLN ELEM SCHOOL              |                  |                    |                 |                    |                            |                                     |                            |                              |
| SHAWNEE ELEM SCHOOL - NORTH      |                  |                    |                 |                    |                            |                                     |                            |                              |
| SHAWNEE ELEM SCHOOL - SOUTH      |                  |                    |                 |                    |                            |                                     |                            |                              |
| SHAWNEE HIGH SCHOOL              |                  |                    |                 |                    |                            |                                     |                            |                              |
| SHAWNEE JR HIGH SCHOOL           |                  |                    |                 |                    |                            |                                     |                            |                              |

Eight Components from: [http://www.cdc.gov/nccdphp/dash/about/school\\_health.htm](http://www.cdc.gov/nccdphp/dash/about/school_health.htm)  
 Schools from NCES: <http://nces.ed.gov/ccd/bat/index.asp>

## **Health Care**

*Indicators of the health of the residents in a county are descriptors of the vitality and life of its communities. These indicators include access to health care, the incidence of disease, and the extent to which residents engage in health risk behaviors. A community's health goes beyond these areas to examine issues of safety, environment and crime. While many take for granted the ability to see a doctor or access an emergency room, the reality is that many people do not get this access, and thereby endanger their health and their lives.*

# Union County, Illinois

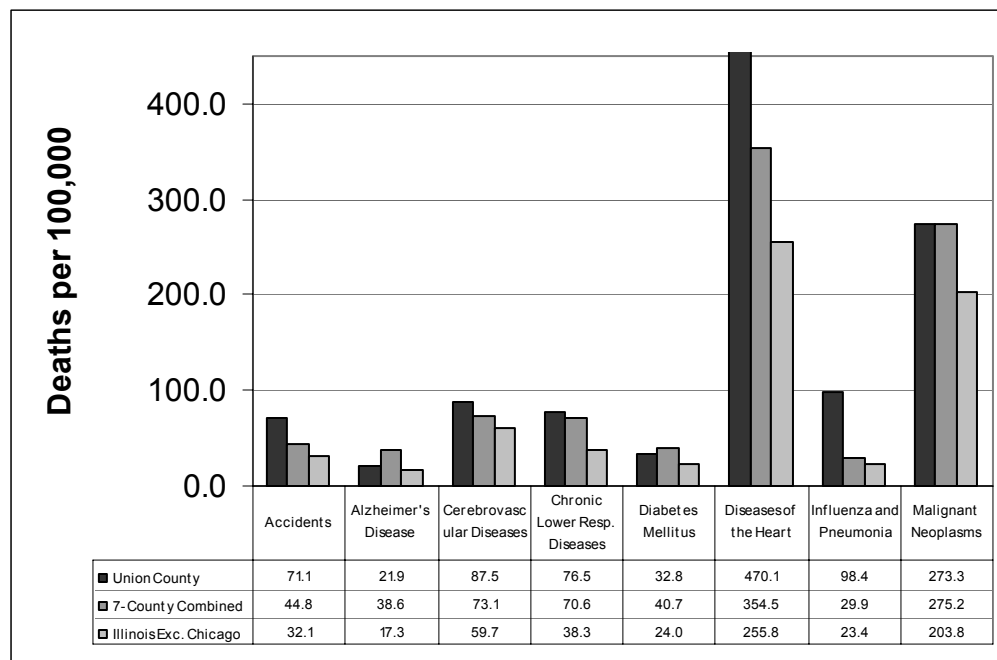
## Leading Causes of Mortality – 2000

Source: IDPH, ICHS

| Cause of Death               | Union  | 7-County Combined | Illinois Exc. Chicago |
|------------------------------|--------|-------------------|-----------------------|
| All Causes                   | 1437.7 | 1199.1            | 855.8                 |
| Accidents                    | 71.1   | 44.8              | 32.1                  |
| Alzheimer's Disease          | 21.9   | 38.6              | 17.3                  |
| Cerebrovascular Diseases     | 87.5   | 73.1              | 59.7                  |
| Chronic Lower Resp. Diseases | 76.5   | 70.6              | 38.3                  |
| Diabetes Mellitus            | 32.8   | 40.7              | 24.0                  |
| Diseases of the Heart        | 470.1  | 354.5             | 255.8                 |
| Influenza and Pneumonia      | 98.4   | 29.9              | 23.4                  |
| Malignant Neoplasms          | 273.3  | 275.2             | 203.8                 |

\* A bold number indicates a county rate higher than state average

\*Region includes seven area counties, Franklin, Jackson, Johnson, Perry, Saline, Union and Williamson

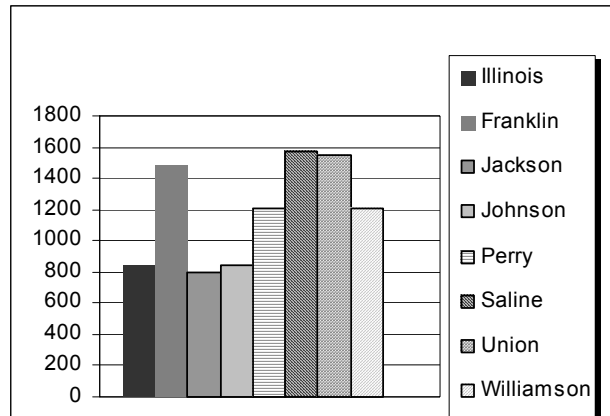


\*Region includes seven area counties, Franklin, Jackson, Johnson, Perry, Saline, Union and Williamson

## Union County, Illinois

### Mortality Rates (Deaths/100,000) in Illinois and Union County, 2001 Data from IPLAN

|                 | Deaths/100,000 | Deaths        |
|-----------------|----------------|---------------|
| <b>Illinois</b> | <b>840.1</b>   | <b>104858</b> |
| Franklin        | 1478.1         | 575           |
| Jackson         | 799.0          | 469           |
| Johnson         | 848.5          | 112           |
| Perry           | 1208.7         | 278           |
| Saline          | 1566.5         | 412           |
| <b>Union</b>    | <b>1544.0</b>  | <b>281</b>    |
| Williamson      | 1203.6         | 745           |



Mortality rate in Union County is reported at 1544 deaths/100,000 population (IPLAN, 2001). This rate greatly exceeds the rate for the state of Illinois (see table and chart above). The data do not indicate causes of mortality, nor do the data identify specific health care needs that would apply to Union County. However, the mortality rate suggests that there are healthcare problems that further investigation may elucidate.

There is always the possibility that one-year mortality data is not representative of the true mortality rate in a small county. However, the rate for 12 years (1990 – 2001) is very similar (1355) and is still high when compared to the 12-year mortality for Illinois (884).

#### Five year mortality rates (1997-2001) for Union County

| Year | Union County |       | Illinois |         |
|------|--------------|-------|----------|---------|
|      | Rate         | Count | Rate     | Count   |
| 2001 | 1544.0       | 281   | 840.1    | 104,858 |
| 2000 | 1437.7       | 263   | 855.8    | 106,287 |
| 1999 | 1412.4       | 250   | 891.5    | 108,122 |
| 1998 | 1355.9       | 240   | 864.0    | 104,070 |
| 1997 | 1350.3       | 239   | 860.8    | 102,404 |

# Union County, Illinois

## Years of Potential Life Lost

Source: IPLAN data system

| Union County - 2001       | Years |
|---------------------------|-------|
| Total for All Races       |       |
| Diseases of Heart         | 151   |
| Accidents                 | 149   |
| Coronary Heart Disease *  | 144   |
| Malignant Neoplasms       | 129   |
| Motor Vehicle Accidents * | 84    |
| Lung Cancer *             | 21    |
| Cirrhosis of Liver        | 14    |
| Diabetes Mellitus         | 14    |
| Nephritis, etc.           | 7     |
| Cerebrovascular Diseases  | 7     |

| Illinois - 2001           | Years  |
|---------------------------|--------|
| Total for All Races       |        |
| Accidents                 | 80,731 |
| Malignant Neoplasms       | 75,999 |
| Diseases of Heart         | 61,568 |
| Perinatal Conditions      | 47,689 |
| Coronary Heart Disease *  | 39,589 |
| Motor Vehicle Accidents * | 36,679 |
| Homicide                  | 35,179 |
| Firearms                  | 34,289 |
| Suicide                   | 21,079 |
| Congenital Malformation   | 18,311 |

\*This is a subcategory of preceding causes

### Definitions:

2.06.02 Cause-Specific Years of Potential Life Lost, ICD-10

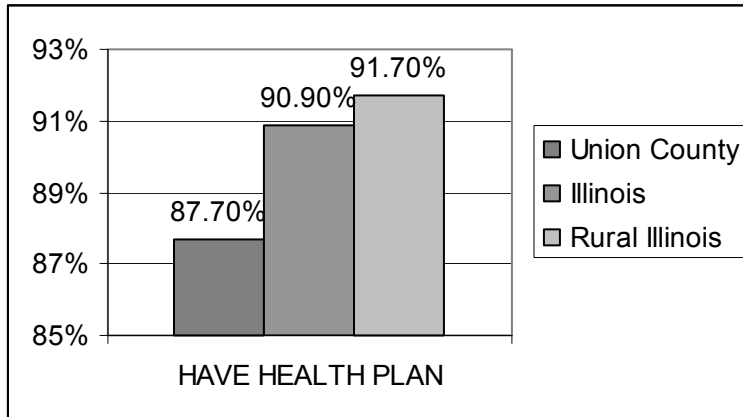
This indicator reports the number of Years of Potential Life Lost (YPLL) for deaths before age 65 due to major causes of death, by race. Included among the major causes are subcategories (marked by "@"), such as "coronary heart disease" as a subcategory of "diseases of heart."

Note: Due to the age groups used in the IPLAN Data System, the YPLL values may vary from other published YPLL values from IDPH.

Firearm deaths can be due to different causes or intentions, specifically homicide, suicide, unintentional injuries, and undetermined injury (i.e., not determined if the death was due to homicide, suicide or accident)

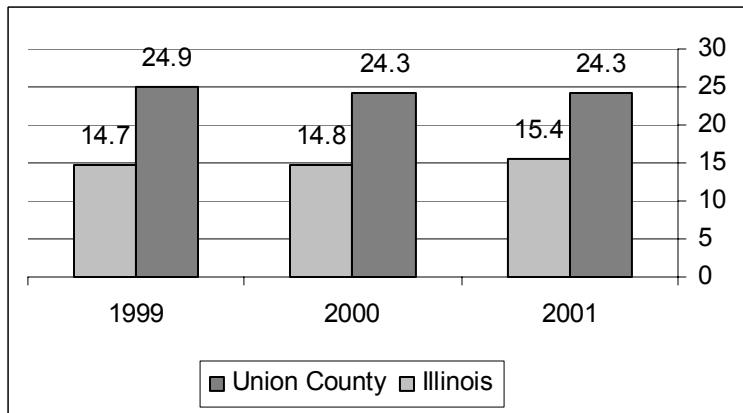
In comparing county and state data, observe that the years potential life lost (YPLL) are a total for all counties in Illinois. It is, however, possible to compare the relative effect of various causes of YPLL. Any factor that causes many deaths and/or causes many deaths of people at a young age, will rise to the top of the YPLL list. It is, however, possible to compare the relative effect of various causes of YPLL between the state and a county. Accidents often claim the life of younger people, thus in the state, represent the largest cause of YPLL. Union County YPLL largely mirrors the YPLL of the state.

**Union County – Percent of Population with a Health Plan**



Source: BRFSS

**Population Enrolled in Medicaid**



Source: IPLAN

**MUA/MUP Medically Underserved Areas/Medically Underserved Populations**

| State    | County | MCD Name | Status     | IMU Score | Desig Type |
|----------|--------|----------|------------|-----------|------------|
| Illinois | UNION  |          | Designated | 58.2      | MUA        |

Source: <http://bphc.hrsa.gov/databases/newmua/> \* For definitions, see list of sources.

**Medicaid Enrollees to Medicaid Physician Vendors Ratio**

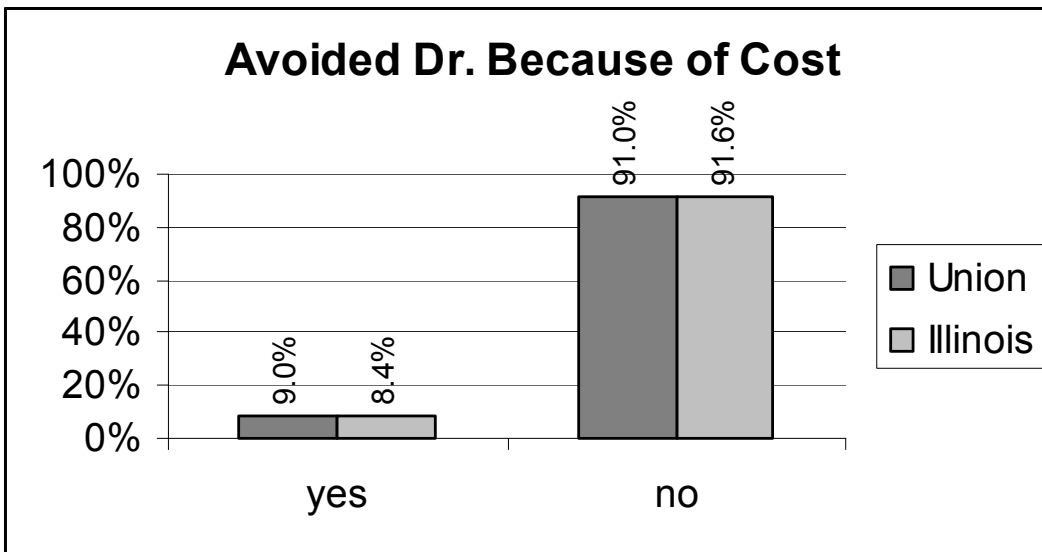
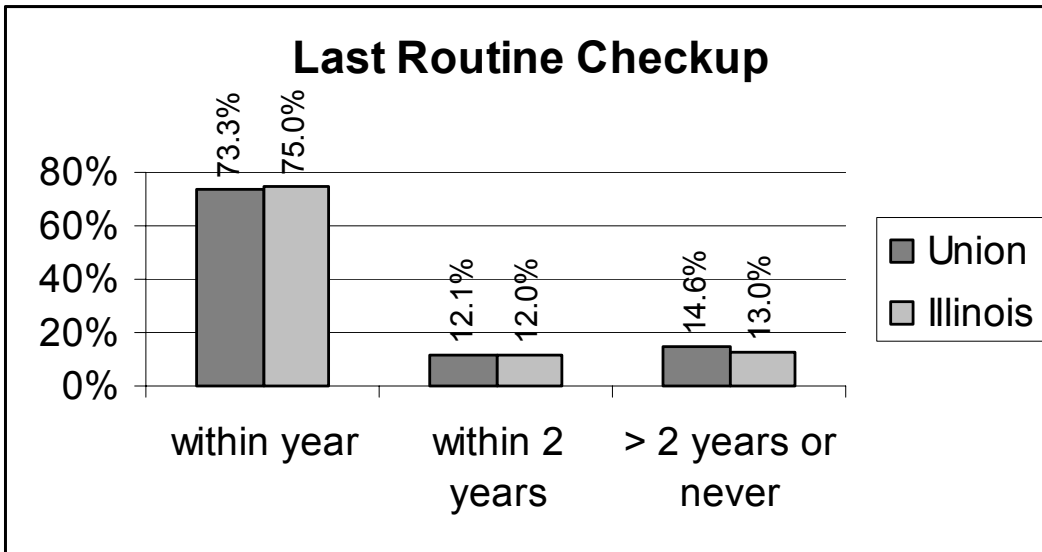
| YEAR: 2001 | UNION   | Illinois |
|------------|---------|----------|
| Total      | 200.8:1 | 91.2:1   |

Source: IPLAN

Medical expenses often come unexpectedly. Lack of a health plan often leads to lack of care. This will impact the well-being of a community.

### Health Care Utilization

Source: BRFSS



**Sentinel Events\* – Five Year Totals (1995-1999)**

Source: IPLAN

| COUNTY | CATEGORY     | COUNTY RATE** | COUNTY COUNT | STATE RATE** | STATE COUNT | ** Note:  |
|--------|--------------|---------------|--------------|--------------|-------------|---|
| UNION  | Dehydration  | 9.8           | 9            | 14.2         | 8796        | The county and state rates have been calculated from the population (2000 census). The five-year county and state counts are from IPLAN data. |
| UNION  | Fever        | 0.0           | 0            | 0.2          | 135         |   |
| UNION  | Asthma       | 17.5          | 16           | 67.4         | 41872       |   |
| UNION  | TB           | 4.4           | 4            | 7.8          | 4867        |   |
| UNION  | Hypertension | 44.8          | 41           | 72.1         | 44787       |   |

**\* 7.01 Sentinel Events**

These indicators include: 1. infants (ages 0-1), hospitalization for dehydration (this indicator reports the number of hospitalizations resulting from gastroenteritis or diarrhea), 2. children (ages 1-17), hospitalization for rheumatic fever, hospitalization for asthma, and vaccine-preventable diseases (this indicator reports the number of hospitalizations due to rheumatic fever for children (ages 1-17), hospitalizations due to asthma for children (ages 1-14), and the number of cases of measles, mumps, polio, and tetanus for children (ages 1-17) ), 3. adults (ages greater than or equal to 18), tuberculosis, and hospitalization for uncontrolled hypertension (this indicator reports the number of cases of TB for adults and the hospitalizations for uncontrolled hypertension in adults).

Description: Sentinel health events are those indicators that serve as a warning signal that the quality of care may need to be improved. They assume that unnecessary disease, unnecessary disability and unnecessary untimely death would have been prevented or managed if the health care system had functioned satisfactorily. The occurrence of any of these diseases, disabilities and untimely deaths should indicate that something is wrong in the health care system and can be used to determine the level of health of the general population and the effects of economic, political and other environmental effects upon it (Dever, 1984).

**Sentinel Events – Cancer\*– Five Year Totals (1996-2000)**

| County | Category | County Rate | County Count | State Rate | State Count | US Rate |
|--------|----------|-------------|--------------|------------|-------------|---------|
| UNION  | ISBC     | 0           | 8            | 26.3       | 8243        | 30.4    |
| UNION  | LCC      | 0           | 2            | 4.5        | 1432        | 3.4     |

Note: Rates are per 100,000, age-adjusted to 2000 US standard.

**7.02 Sentinel Events - Cancer**

Females late cervical cancer (LCC) and in situ breast cancer (ISBC).

This indicator reports the five-year total number of cases and age-adjusted rate (US 2000 std) for females with late stages (regional and late) cervical cancer and in situ breast cancer, by race.

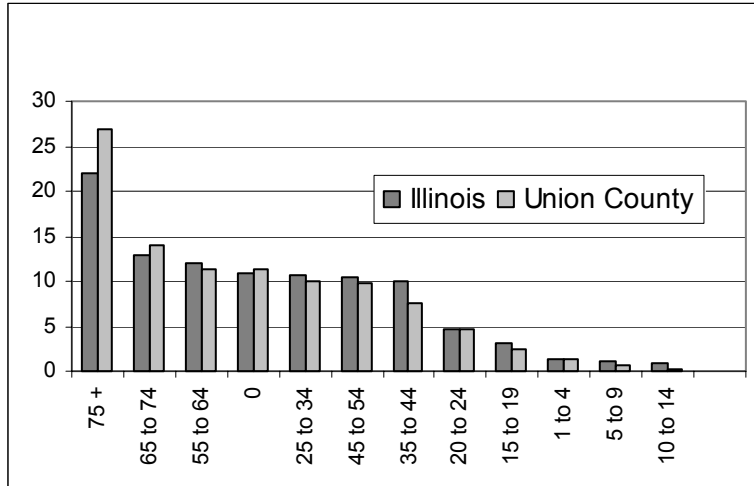
Description:

Sentinel health events are those indicators that serve as a warning signal that the quality of care may need to be improved. They assume that unnecessary disease, unnecessary disability and unnecessary untimely death would have been prevented or managed if the health care system had functioned satisfactorily. The occurrence of any of these diseases, disabilities and untimely deaths should indicate that something is wrong in the health care system and can be used to determine the level of health of the general population and the effects of economic, political and other environmental effects upon it (Dever, 1984). NOTE: rates are suppressed if based on less than 15 cases.

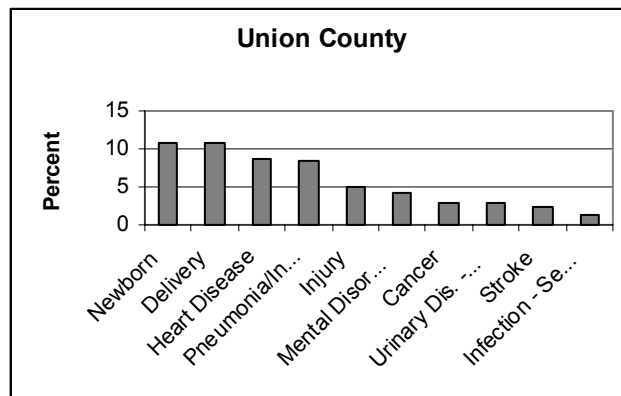
### Hospital Discharge Data

<http://app.idph.state.il.us/emsrpt/form-hospitalization.asp>

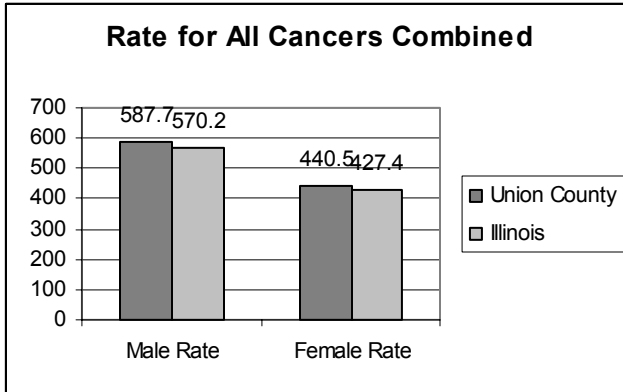
Age of County Residents discharged from a Hospital, 2001



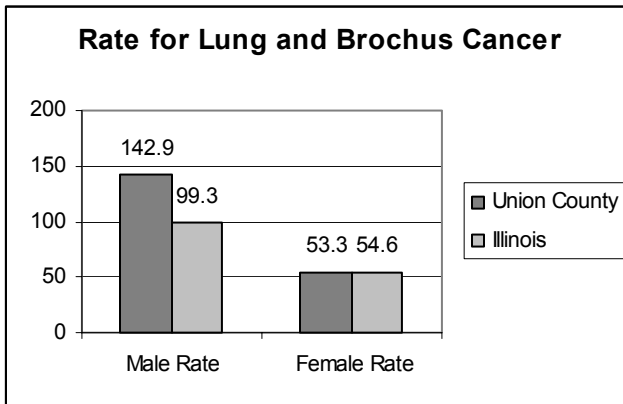
Leading Ten Diagnoses at Time of Hospital Discharge



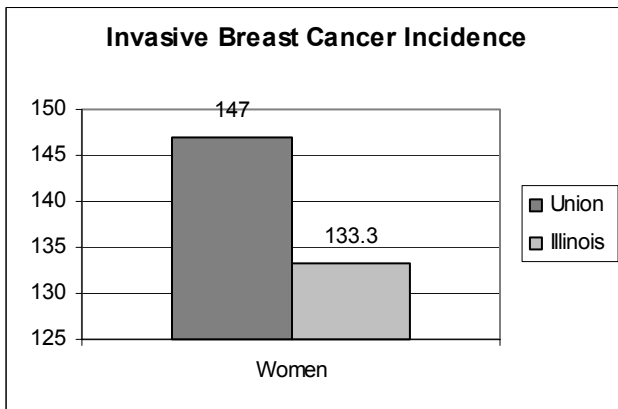
**Cancer Incidence – 1996-2000**



Union County cancer incidence mirrors that for Illinois.



Males in Union County have a higher rate of lung and bronchus cancer than males in the state of Illinois.

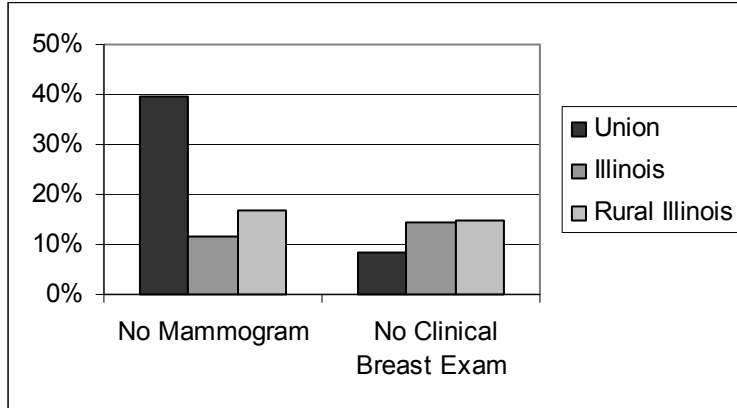


Invasive breast cancer in Union County women exceeds the incidence found in Illinois.

Five Year Cancer Incidence Counts and Age-adjusted rates (US 2000 Std) with 95% CI  
<http://app.idph.state.il.us/EpiStudies/public/genericdb/code/GenericList.asp>

**Union County**  
**Women’s Health – Mammogram**

Percent of Women over 40 Who Have Not Been Examined for Breast Cancer



Of those women who have had mammograms, 12.4 percent have not had a mammogram in the past year. This compares to 14 percent for the state of Illinois and 15.2 percent of rural county women in Illinois.

Of those women who have had a clinical breast exam, 9.2 percent have not been examined within the past year. This compares to 9.5 percent for the state of Illinois and 13.6 percent of rural county women in Illinois.

Above data from: IPLAN, at <http://app.idph.state.il.us/brfss/default.asp>

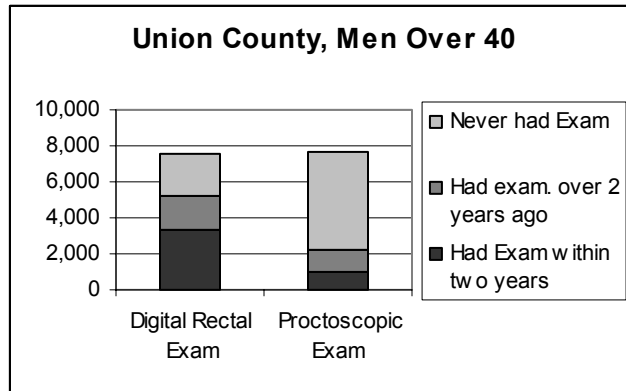
The rate of invasive breast cancer in Union County is similar to the rate in the state of Illinois.

| County   | Female Count | Female Rate | Female Lower CI* | Female Upper CI* |
|----------|--------------|-------------|------------------|------------------|
| Union    | 89           | 147         | 117.2            | 184.2            |
| Illinois | 43087        | 133.3       | 132              | 134.5            |

\*Lower and upper CI refers to the confidence interval – a statistical term that implies the true rate is between these two extremes

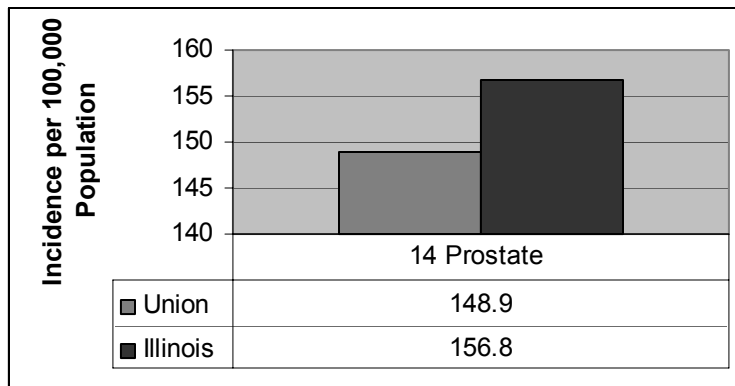
Source: Illinois Department of Public Health, Illinois State Cancer Registry, Public Dataset as of January, 2003.

### Colorectal Screening in Men Over Forty Years of Age



<http://app.idph.state.il.us/brfss/default.asp>

### Incidence of Prostate Cancer, 1996 – 2000

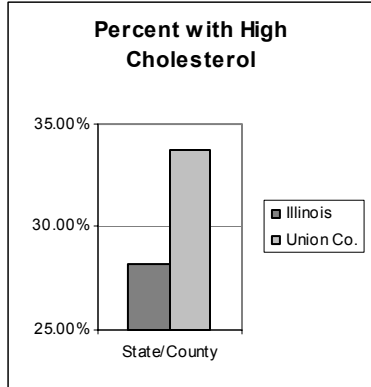


Source: Illinois Department of Public Health, Illinois State Cancer Registry

## Union County

### At risk – Cholesterol

Data from: <http://app.idph.state.il.us/brfss/countydata.asp>



| 2000 Union County, Illinois Adults |              | County  | State  |
|------------------------------------|--------------|---------|--------|
| HAD CHOLESTEROL CHECKED            | yes          | 72.40%  | 76.00% |
|                                    | no           | 27.60%  | 24.00% |
| Total                              |              | 100.00% |        |
| LAST CHOLESTEROL CHECK             | within year  | 81.90%  | 85.80% |
|                                    | > 1 year ago | 18.10%  | 14.20% |
| Total                              |              | 100.00% |        |
| TOLD CHOLESTEROL HIGH              | yes          | 33.70%  | 28.20% |
|                                    | no           | 66.30%  | 71.80% |
| Total                              |              | 100.00% |        |

Of Union County adults, 72 percent have had cholesterol checks, but 18 percent have not done so in the past year. The percent of adults who have been told they have high cholesterol is 34 percent, considerably higher than the state average.

### At Risk - Obesity

Data from: <http://app.idph.state.il.us/brfss/countydata.asp>

| 2001 Illinois Adults |                    | %       |
|----------------------|--------------------|---------|
| OBESITY              | underweight/normal | 44.20%  |
|                      | overweight         | 36.20%  |
|                      | obese              | 19.70%  |
| Total                |                    | 100.00% |

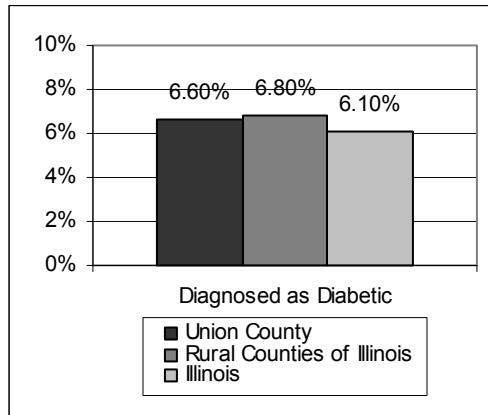
| 2001 Rural County Adults |                    | %       |
|--------------------------|--------------------|---------|
| OBESITY                  | underweight/normal | 40.00%  |
|                          | overweight         | 37.10%  |
|                          | obese              | 22.90%  |
| Total                    |                    | 100.00% |

| 2000 Union County, Illinois Adults |           | %       |
|------------------------------------|-----------|---------|
| OBESITY RISK FACTOR                | obese     | 30.80%  |
|                                    | not obese | 69.20%  |
| Total                              |           | 100.00% |

Although the categories in the Illinois and rural county charts above are different from the county data on the left, it is clear that rural counties have a population that tends to greater obesity. The fact that 31 percent of the adult population in Union County report themselves as obese is a telling statistic on a local healthcare need.

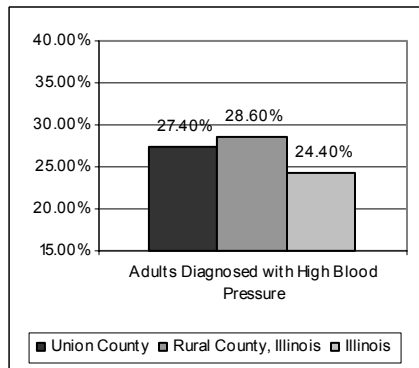
## Union County Heart Disease Risk Factors

### Diabetes



Diagnoses of diabetes in Union County occur in a similar percentage of the adult population than in the state or in rural counties of the state of Illinois.

### High Blood Pressure



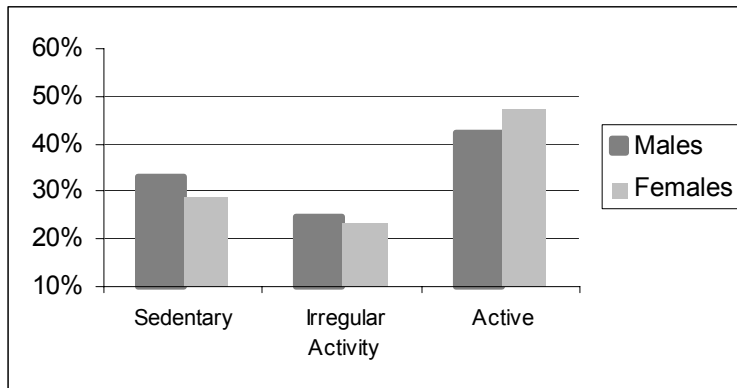
A similar percentage of Union County adults are diagnosed with high blood pressure (BP) as in the state or in rural counties of the state of Illinois.

Of Union County adults, 75.9 percent have had BP exams in the past year, 12.8 percent have not had a BP measurement in the past year and 11.4 percent have never had BP measured.

Data from: <http://app.idph.state.il.us/brfss/default.asp>

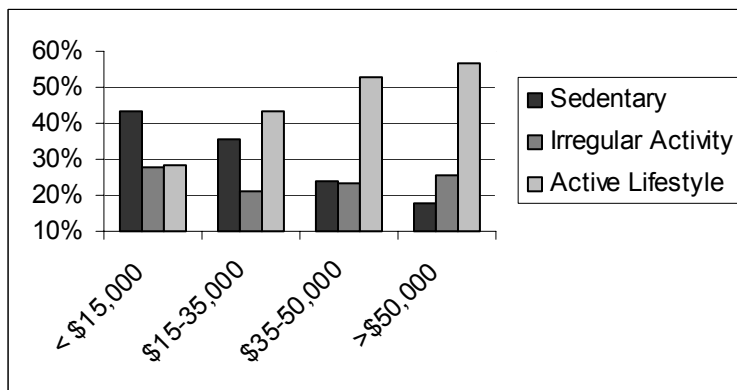
## Southern Seven Counties (Includes Johnson and Union)

### Demographics of an Active Lifestyle - Gender



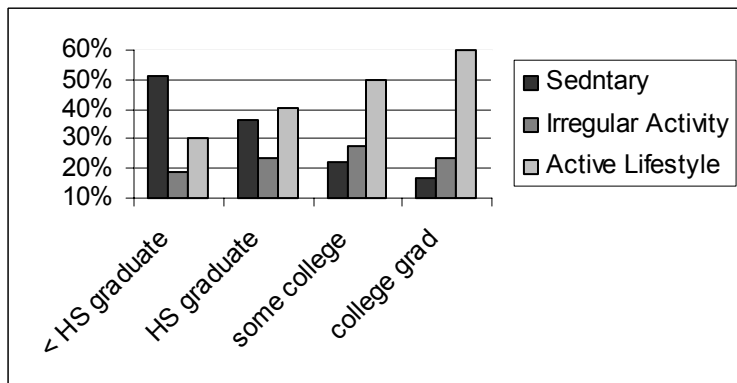
An active lifestyle is apparent in both genders in the Southern Seven counties of Illinois.

### Demographics of an Active Lifestyle – Household Income



Examination of the black bars reveals that lower household incomes tend to produce a more sedentary lifestyle. Examination of the light gray bars reveals that higher income households are more likely to produce a more active lifestyle.

### Demographics of an Active Lifestyle – Education



Income and education are correlated – and the same trend in physical activity seen with household income is evident when analyzed by educational attainment.

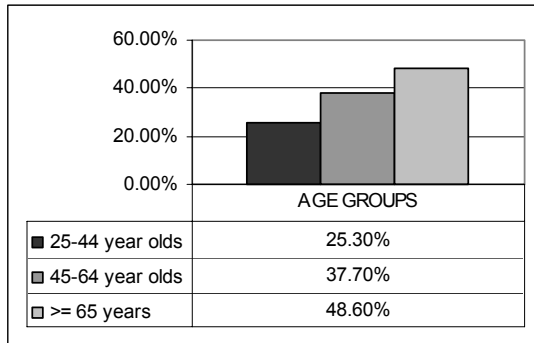
Data from: <http://app.idph.state.il.us/brfss/countydata.asp>

*There is a strong correlation an active lifestyle and maintenance of a proper body weight. Regular physical activity, even if only moderate, is associated with lower death rates for adults of any age.*

*Adapted from: York PA brochure*

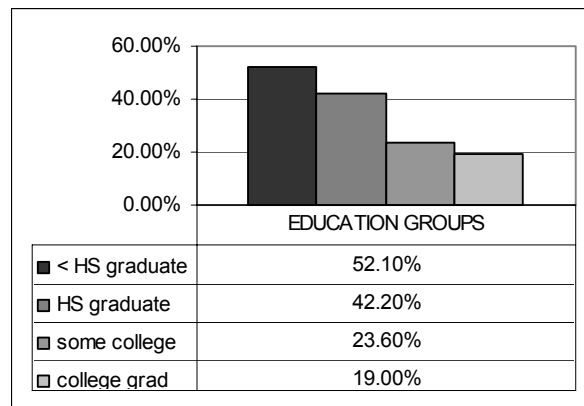
## Sedentary Lifestyle

Data source: 2000 Bi-County BRFS

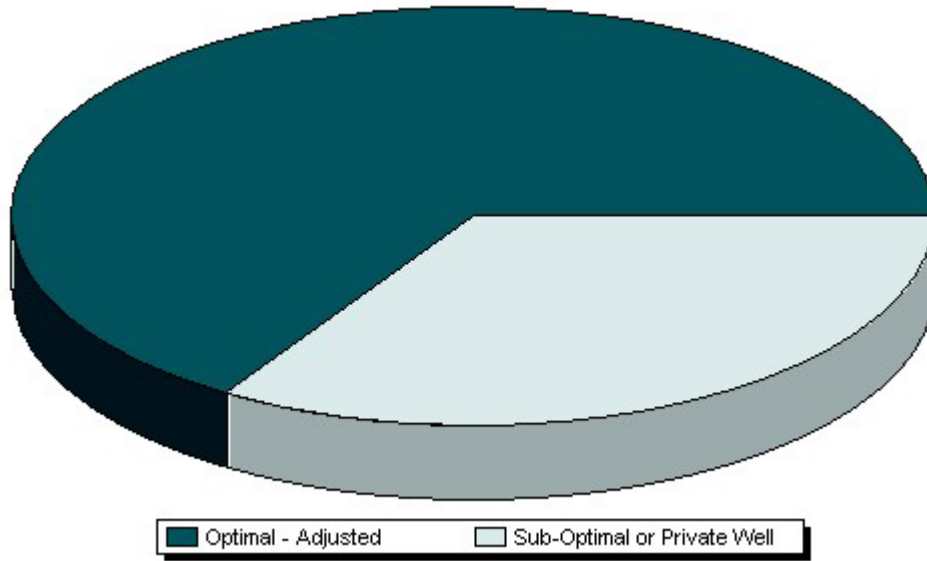


The percentage of the population leading sedentary lifestyles increases with age. These data suggest that health programs to encourage physical exercise would benefit the older population. If the percentage of the population who were sedentary could be held at the 25 percent level found in younger adults, there should be a decrease in such maladies as heart disease, hypertension and diabetes.

The relationship between a sedentary lifestyle and level of education is clearly demonstrated in the graph. The more education, the lesser percentage of the population is reported as sedentary. Programs that promote physical activity should focus on the population with less education to increase overall health in the county. The relationship also holds for level of income (not shown). Programs to promote physical activity should focus on the lower income population.



**Union County Public Water Systems (PWS)  
Population VS. Fluoridation Status**



| Group                       | Number of People | County PWS Population % |
|-----------------------------|------------------|-------------------------|
| Optimal - Adjusted          | 11,993           | 66.1%                   |
| Optimal - Natural           | 0                | 0.0%                    |
| Sub-Optimal or Private Well | 6,164            | 33.9%                   |
| Total                       | 18,157           | 100%                    |

## **Health Risk Behaviors**

*Indicators of the health of the residents in a county are descriptors of the vitality and life of its communities. These indicators include access to health care, the incidence of disease, and the extent to which residents engage in health risk behaviors. A community's health goes beyond these areas to examine issues of safety, environment and crime. While many take for granted the ability to see a doctor or access an emergency room, the reality is that many people do not get this access, and thereby endanger their health and their lives.*

# Union County, Illinois

## Gonorrhea Cases – Union County

1991 - 2001

| COUNTY                     | 1991   | 1992   | 1993   | 1994   | 1995   | 1996   | 1997   | 1998   | 1999   | 2000   | 2001   |
|----------------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| UNION                      | 2      | 5      | 1      | 1      | 2      | 2      | 7      | 2      | 3      | 4      | 4      |
| TOTAL ILLINOIS             | 33,823 | 29,275 | 26,593 | 24,511 | 20,515 | 19,324 | 19,524 | 22,499 | 24,136 | 24,812 | 24,025 |
| Total IL Excluding Chicago | 12,218 | 10,821 | 9,292  | 9,705  | 9,159  | 7,010  | 7,208  | 8,356  | 8,967  | 9,940  | 9,699  |

## Gonorrhea Rates - Union County

1991 - 2001

| COUNTY                     | 2000 Population | 1991  | 1992  | 1993  | 1994  | 1995  | 1996  | 1997  | 1998  | 1999  | 2000  | 2001  |
|----------------------------|-----------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| UNION                      | 18,293          | 11.4  | 28.4  | 5.7   | 5.7   | 11.4  | 11.4  | 39.7  | 11.4  | 17    | 21.9  | 21.9  |
| ILLINOIS TOTAL             | 12419293        | 295.9 | 256.1 | 232.6 | 214.4 | 179.5 | 169.1 | 170.8 | 196.8 | 211.2 | 199.8 | 193.4 |
| Total IL Excluding Chicago | 9523277         | 141.3 | 125.1 | 107.5 | 112.2 | 105.9 | 81.1  | 83.4  | 96.6  | 103.7 | 104.4 | 101.8 |

Rates are per 100,000 population

## Chlamydia Rates – Union County

1991 - 2001

| COUNTY                     | 2000 Population | 1991  | 1992  | 1993  | 1994  | 1995  | 1996  | 1997  | 1998  | 1999  | 2000  | 2001  |
|----------------------------|-----------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| UNION                      | 18,293          | 215.7 | 62.4  | 45.4  | 11.4  | 102.2 | 136.2 | 73.8  | 73.8  | 136.2 | 131.2 | 153.1 |
| ILLINOIS TOTAL             | 12419293        | 202.1 | 220.9 | 215.2 | 204.1 | 216.3 | 230.8 | 255.3 | 287.5 | 318.5 | 324.9 | 352   |
| Total IL Excluding Chicago | 9523277         | 154.5 | 152.8 | 155.3 | 146   | 149.8 | 144.4 | 162.1 | 183.2 | 211.5 | 215.9 | 223.6 |

Rates are per 100,000 population

Union County has a rate of infection reported for chlamydia that is slightly lower than for the state of Illinois for the years 2000 and 2001. Rate of reported cases of gonorrhea are much lower than for Illinois. There have been no reported cases of syphilis since 1994. Over all years since 1991, the Rate of STD infections is consistently lower than Illinois as a whole and in Illinois excluding Chicago.

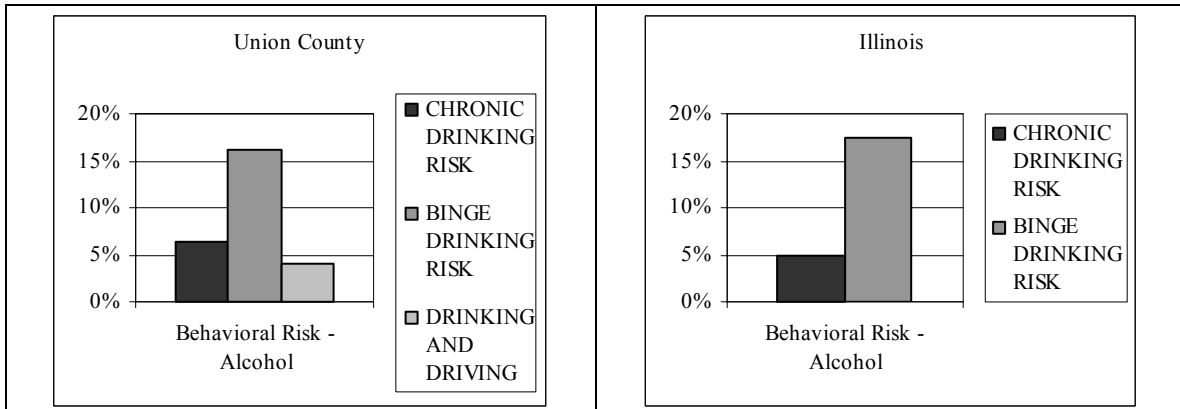
Source: IPLAN

*Transmission rates for STDs (number per population of 100,000) are a measure of the at-risk sexual behavior in the county*

# Union County, Illinois

## At Risk – Alcohol

<http://app.idph.state.il.us/brfss>



Union County alcohol abuse patterns are similar to those of the state of Illinois. There is a slightly higher chronic drinking problem. Only 0.2 percent of hospital discharges (1999 through 2001) were from chronic liver disease or cirrhosis – compared with 0.3 percent for the state of Illinois. (<http://app.idph.state.il.us/emsrpt>)

\* Note: The data set for the state of Illinois differed from that for the individual counties, in that there were no data on the behavioral risk for drinking and driving for the state.

## Union County – Smoking rates

| 2000 Union County, Illinois Adults |                      | Count  | Col %   | Unweighted Count |
|------------------------------------|----------------------|--------|---------|------------------|
| SMOKING STATUS                     | smoker               | 3,257  | 25.70%  | 114              |
|                                    | former smoker        | 3,032  | 24.00%  | 97               |
|                                    | non-smoker           | 6,371  | 50.30%  | 192              |
| Total                              |                      | 12,660 | 100.00% | 403              |
| AMOUNT SMOKED PER DAY              | 1 pack or less       | 2,533  | 80.20%  | 88               |
|                                    | more than 1 pack     | 625    | 19.80%  | 23               |
| Total                              |                      | 3,158  | 100.00% | 111              |
| QUIT SMOKING 1 OR MORE DAYS        | yes                  | 1,329  | 41.00%  | 47               |
|                                    | no                   | 1,912  | 59.00%  | 66               |
| Total                              |                      | 3,241  | 100.00% | 113              |
| LAST SMOKED REGULARLY              | within past year     | 452    | 14.80%  | 13               |
|                                    | more than a year ago | 2,463  | 80.80%  | 80               |
|                                    | never                |        |         | 5                |
| Total                              |                      | 3,049  | 100.00% | 98               |

\*Unweighted counts represent the number of survey respondents who fit each category.

\*Counts represent the projected number in the county for each category and is based upon the number responding in the survey.

\*“Col%” or “Row%” indicates the percentage of the population that fit each category.

Smoking is the single most important cause of death that is preventable. It causes death by heart disease, cancer and respiratory illnesses. It leads to more deaths than AIDS, alcohol, cocaine, heroin, homicide, suicide, motor vehicle crashes and fire combined.

From: York County, PA brochure

| 2001 Illinois Adults                |               | Count     | Col %   | Unweighted Count |
|-------------------------------------|---------------|-----------|---------|------------------|
| SMOKING STATUS                      | smoker        | 2,117,560 | 23.20%  | 934              |
|                                     | former smoker | 2,162,233 | 23.70%  | 978              |
|                                     | non-smoker    | 4,834,003 | 53.00%  | 2,064            |
| Total                               |               | 9,113,796 | 100.00% | 3,976            |
| STOPPED SMOKING FOR ONE DAY OR MORE | yes           | 1,216,219 | 57.40%  | 522              |
|                                     | no            | 901,342   | 42.60%  | 412              |
| Total                               |               | 2,117,560 | 100.00% | 934              |

“The average teenage smoker begins to smoke at 14 and becomes a daily smoker before age 18. And those children soon regret this loss of freedom. A Gallup Poll in 1992 found that 70 percent of smokers between the ages of 12 and 17 regret beginning to smoke and 66 percent want to quit.”

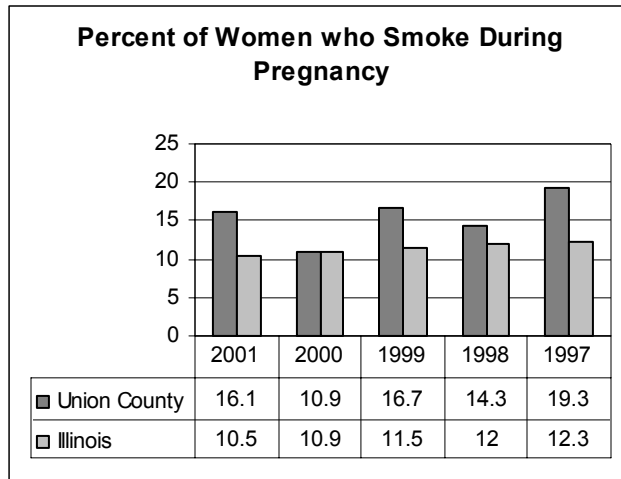
“Of the almost 3,000 young people who became regular smokers each day, nearly 1,000 of them will have their lives shortened from tobacco-related diseases.”

U.S. Department of Health and Human Services

| 2001 Rural County Adults | smoker  |        |            | former smoker |       |            | non-smoker |       |            |
|--------------------------|---------|--------|------------|---------------|-------|------------|------------|-------|------------|
|                          | Count   | Row %  | Unwt Count | Count         | Row % | Unwt Count | Count      | Row % | Unwt Count |
|                          | 430,303 | 26.60% | 238        | 430,303       | 0.266 | 238        | 774,611    | 0.479 | 425        |

Data from: <http://app.idph.state.il.us/brfss/countydata.asp>

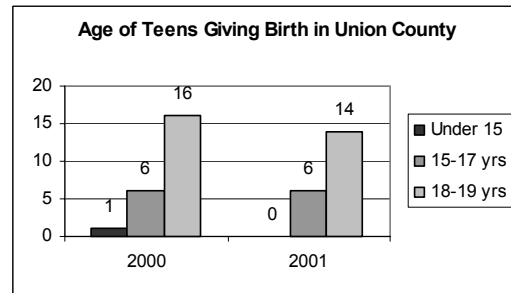
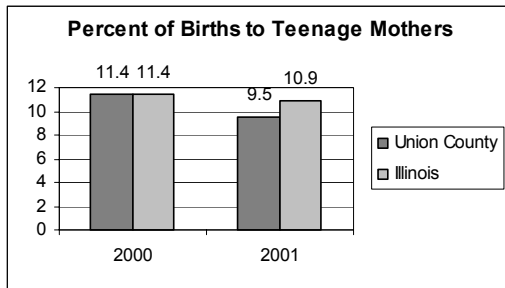
**Percent of Women who Smoke During Pregnancy**



The percent of women who report they smoked during pregnancy in Union County is higher than the rate for the state of Illinois. The rates may be actually higher, since these data were calculated by dividing the number of women who reported smoking during pregnancy by the total live births. Smoking is known to cause miscarriage in some women, among other problems.

Data from: <http://app.idph.state.il.us/data/CountyLevel.asp?menu=1>

## Births to Teen Mothers



Data from IDPH, accessed at <http://www.idph.state.il.us>

In Union County, the percent of births to teenage mothers is comparable to that for the state of Illinois in the years 2000 and 2001. As expected, the older teens (18-19 years) represent the group most likely to become pregnant.

### Teen Mothers

With the highest rate of teen pregnancy and births in the western industrialized world, the United States pays a cost of at least \$7 billion annually. Teen mothers are at higher risk to not complete high school, and to require welfare. Children of teenage mothers risk a lower birth weight, poorer performance in school, and abuse and neglect. Sons are more likely to be imprisoned, and daughters are more likely to become teen mothers.

*Adapted from York, PA brochure*

## Immunizations

Source: IPLAN

**Healthy People 2010 Objective: By 2010, increase immunization levels among children aged 19 to 35 months to at least 90 percent (Objective 14-22a through 14-22f).**

### BASIC SERIES VACCINATIONS

| County | Category     | County Rate | County Count | State Rate |
|--------|--------------|-------------|--------------|------------|
| UNION  | Basic Series | 85          |              | 77.6       |

Note: Illinois number does not include Chicago.

**Healthy People 2010 Objective: By 2010, reduce indigenous cases of vaccine-preventable diseases: 0 for diphtheria, 0 for tetanus, 0 for polio, 0 for measles, 0 for rubella, 0 for mumps, and 2,000 for pertussis (Objective 14-01b, 14-01e through 14-01j).**

### VACCINE PREVENTABLE DISEASES

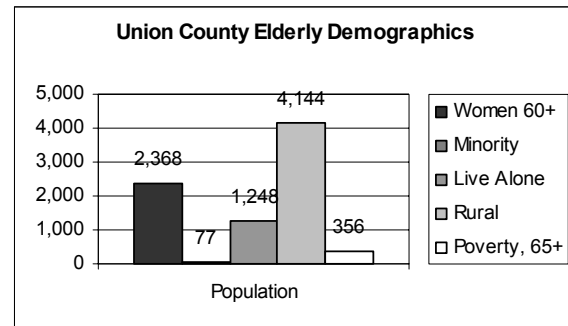
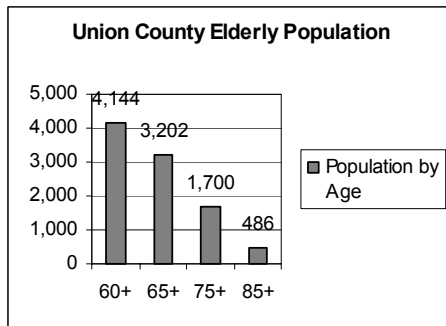
| County | Category   | County Rate | County Count | State Rate | State Count |
|--------|------------|-------------|--------------|------------|-------------|
| UNION  | Total      |             | 0            |            | 4027        |
| UNION  | Diphtheria |             | 0            |            | 0           |
| UNION  | Pertussis  |             | 0            |            | 1699        |
| UNION  | Tetanus    |             | 0            |            | 15          |
| UNION  | Measles    |             | 0            |            | 1485        |
| UNION  | Mumps      |             | 0            |            | 782         |
| UNION  | Rubella    |             | 0            |            | 46          |
| UNION  | Polio      |             | 0            |            | 0           |

Year Group (9): 1998, 1997, 1996, 1995, 1994, 1993, 1992, 1991, 1990

## **Crime and Violence**

*Violent crimes, spousal abuse and child abuse are indicators of the health of a community. Violence can rapidly destroy a sense of well-being in a community.*

## Elder Abuse



Data from: <http://www.state.il.us/aging/2demografx/CensusMap.htm>

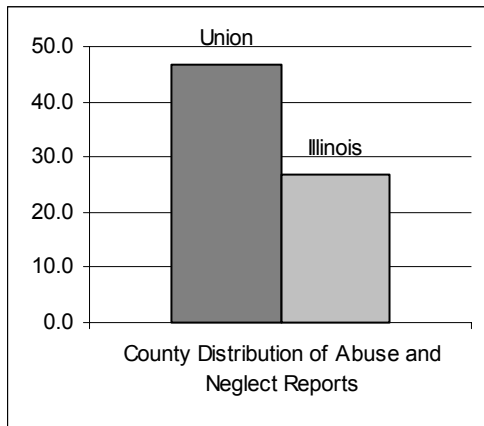
The population and demographics of the elderly in Union County are shown in the charts above. All elderly in the county are considered “rural.” State of Illinois services to the county are provided through the Egyptian Area Agency on Aging (<http://www.egyptianaaa.org/>), serving the southern 13 counties of Illinois.

Elder abuse in Illinois and this region is described as follows;

*It is estimated that 4 percent of older persons are abused, neglected or financially exploited. There were 5,883 elder abuse cases reported to the Illinois Department on Aging in FY 97. Approximately 80 percent of the abusers were relatives of the victim (adult children, spouses or other relatives). The city of Chicago had 1,024 reports of elder mistreatment, suburban Cook County had 896 reports, the Peoria area had 458, and the southern 13 counties had 762 reports in FY 98. **The southern 13 counties had the highest percentage increase in reporting of all areas compared to FY97 statistics.** (Illinois Department on Aging <http://www.state.il.us/aging/>)*

# Union County, Illinois

## Child Abuse



Child abuse in Union County is nearly double that for the state of Illinois.

<http://www.state.il.us/dcfs/cants2002table7.shtml>

**Violent Index Offenses**  
Union County

| Offense Name  | Year |      |      |      |      |
|---|------|------|------|------|------|
|   | 1997 | 1998 | 1999 | 2000 | 2001 |
| Murder  | 1    | 0    | 1    | 0    | 0    |
| Criminal Sexual Assault   | 15   | 9    | 4    | 6    | 11   |
| Robbery   | 1    | 4    | 3    | 2    | 1    |
| Aggravated Assault  | 60   | 32   | 24   | 15   | 20   |
| <a href="http://www.icjia.state.il.us">http://www.icjia.state.il.us</a> |      |      |      |      |      |

**Crimes Against Children and Domestic Violence**

| Year     | Crimes against Children | Domestic Violence |
|----------|-------------------------|-------------------|
| 2002     | 0                       | 15                |
| 2001     | 3                       | 27                |
| % change | -100%                   | -80%              |

Illinois State Police Report, 2002

[http://www.isp.state.il.us/docs/cii/cii02/cii02sectionii\\_crimeindex&rate.pdf](http://www.isp.state.il.us/docs/cii/cii02/cii02sectionii_crimeindex&rate.pdf)

*Violence often brings fear into a community. Domestic violence may bring a tragic ending to an on-going situation, and is an indication of overall public safety. Children who are abused often become abusive parents.*

## **Sources**

*The data contained herein are largely collected from publicly accessible internet web sites. After downloading the specific data for the county, graphs, charts and tables have been constructed and assembled. There is a wealth of further information present on the internet, both from the sources listed and used herein, and from many additional sources. Neither the data nor the sources used are intended to be all-inclusive.*

# Union County, Illinois

## Sources

- <http://www.census.gov> Census data – demographics, etc.
- <http://censusscope.org> Census data with some analysis, graphs and charts
- <http://capitalimpact.com> Detailed data on every county in U.S. (used by congress).
- <http://nces.ed.gov/ccd/bat/index.asp> Information of every school in the U.S.
- [http://www.cdc.gov/nccdphp/dash/about/school\\_health.htm](http://www.cdc.gov/nccdphp/dash/about/school_health.htm) Coordinated school health
- <http://bphc.hrsa.gov/databases/newmua/> Data on medically underserved areas
- <http://app.idph.state.il.us/IPLANDataSystem.asp?menu=1> IPLAN Site
- <http://app.idph.state.il.us/brfss/> Risk behavior data
- <http://app.idph.state.il.us/emsrpt/> Hospitalization data
- <http://app.idph.state.il.us/EpiStudies/public/genericdb/code/GenericList.asp> Cancer data
- <http://www.lib.uchicago.edu/e/su/med/healthstat/mental.html> Mental Health data
- <http://www.lib.uchicago.edu/e/su/med/healthstat/mental.html> Illinois Household survey on Alcohol, Tobacco and Substance Abuse
- <http://www.icjia.state.il.us> Source of information on violent crimes.
- <http://hcup.ahrq.gov/SafetyNet/SafetyNet.asp> Another source of data – from Woody Elder Abuse and Elder Services (<http://www.egyptianaaa.org/>)
- [www.bea.gov](http://www.bea.gov) Economic data by U.S. County
- [http://www.illinoisbiz.biz/com/community\\_profiles/c.html](http://www.illinoisbiz.biz/com/community_profiles/c.html) - Business profiles of Counties
- <http://www.state.il.us/aging/2demografx/CensusMap.htm> Information on Elderly
- <http://www.state.il.us/dcf/cants2002table7.shtml> Statistics on child abuse
- <http://www.icjia.state.il.us> Violent Crime data
- [http://www.isp.state.il.us/docs/cii/cii02/cii02sectionii\\_crimeindex&rate.pdf](http://www.isp.state.il.us/docs/cii/cii02/cii02sectionii_crimeindex&rate.pdf) Adobe Acrobat (pdf) file from Illinois State Police – includes domestic violence and crimes against Children data.