

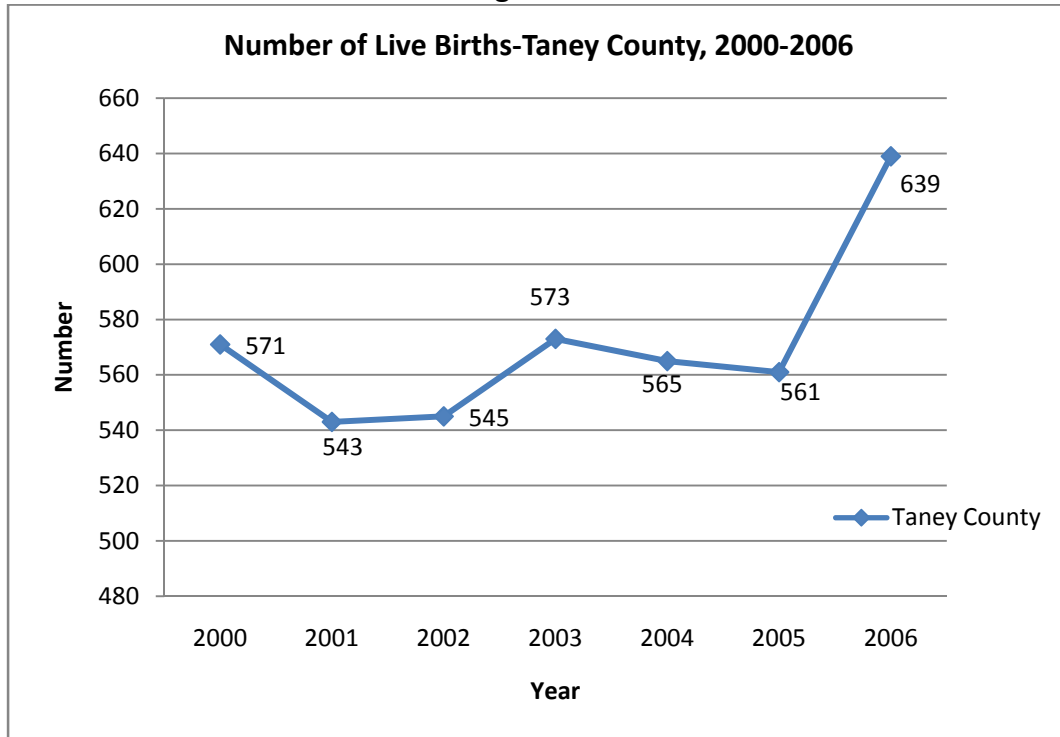
## **Chapter 7**

### **Maternal and Child Health**

## Characteristics of Live Births

The number of live births in Taney County has increased dramatically from 2005 to 2006. Previously, this rate had remained stable from 2003 to 2005 according to figure 7.1.

Figure 7.1

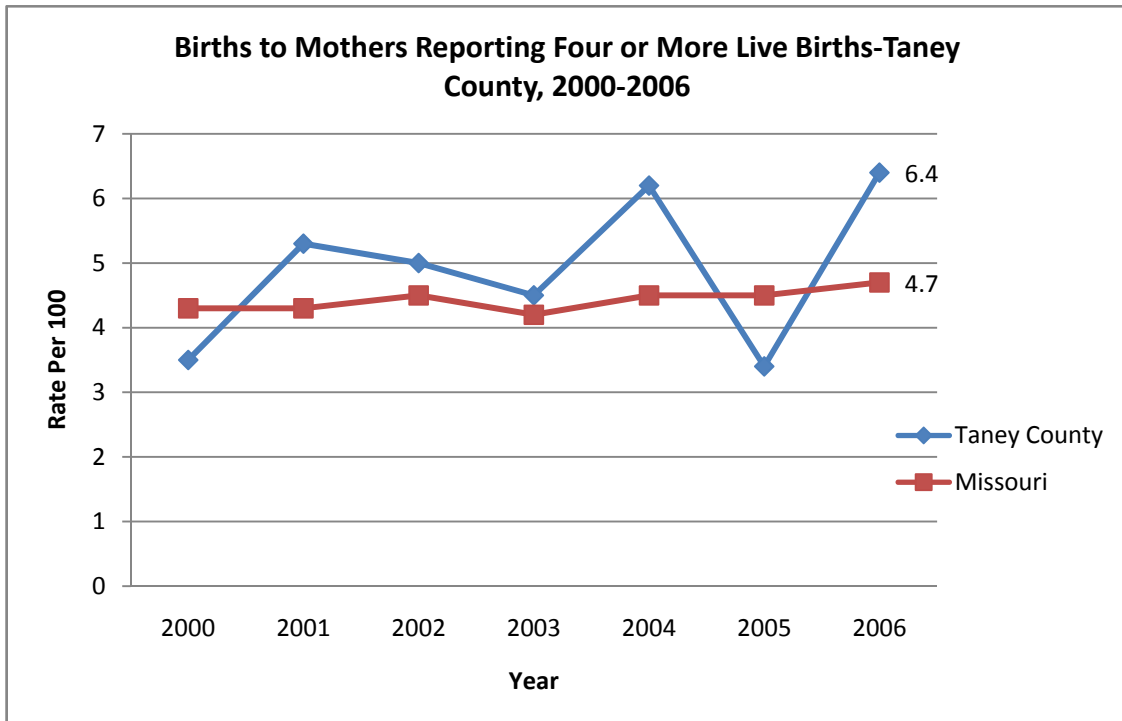


Source: Missouri Department of Health and Senior Services, MICA

The rate of new mothers in Taney County and Missouri who reported having four or more prior live births is shown in figure 7.2. In 2004 and 2006 the rate of new mothers reporting four or more prior births was higher than 6.0%.

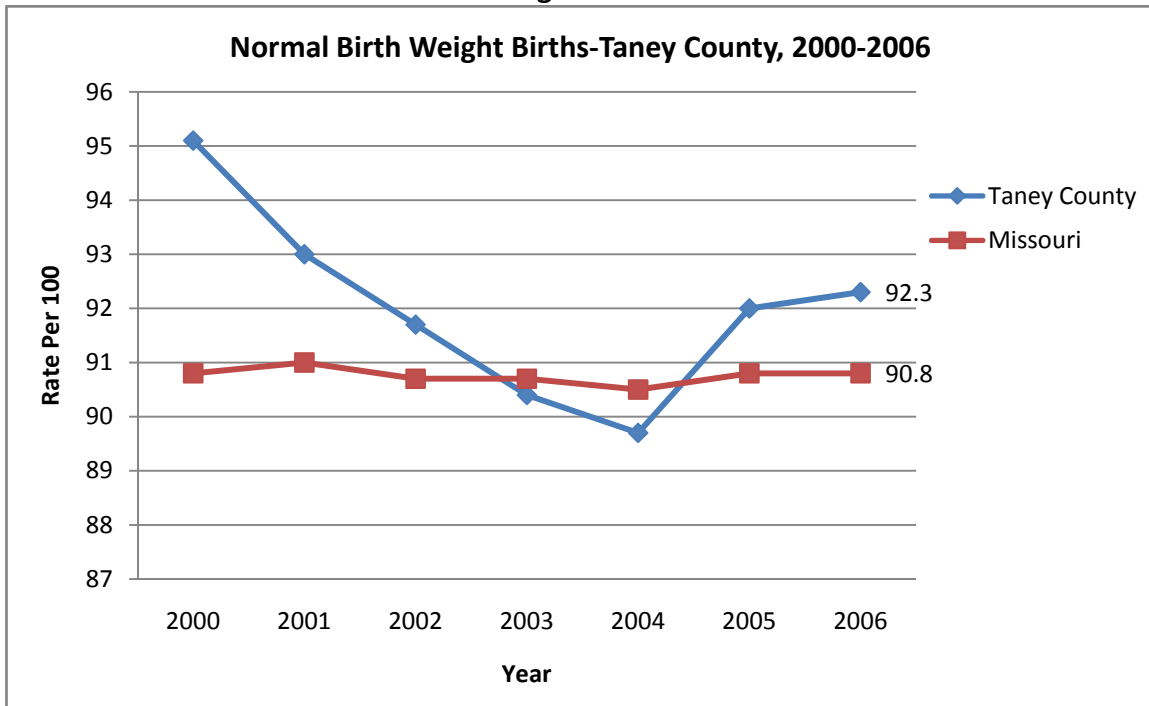
Figure 7.3 illustrates the trend of normal birth weight births in Taney County. From 2000 to 2004 this percentage steadily decreased to below the state average. However, in the past two years this trend has reversed. The number of births resulting in normal birth weights in Taney County declined from around 95% in 2000 to 87% in 2004. (Figure 7.3).

Figure 7.2



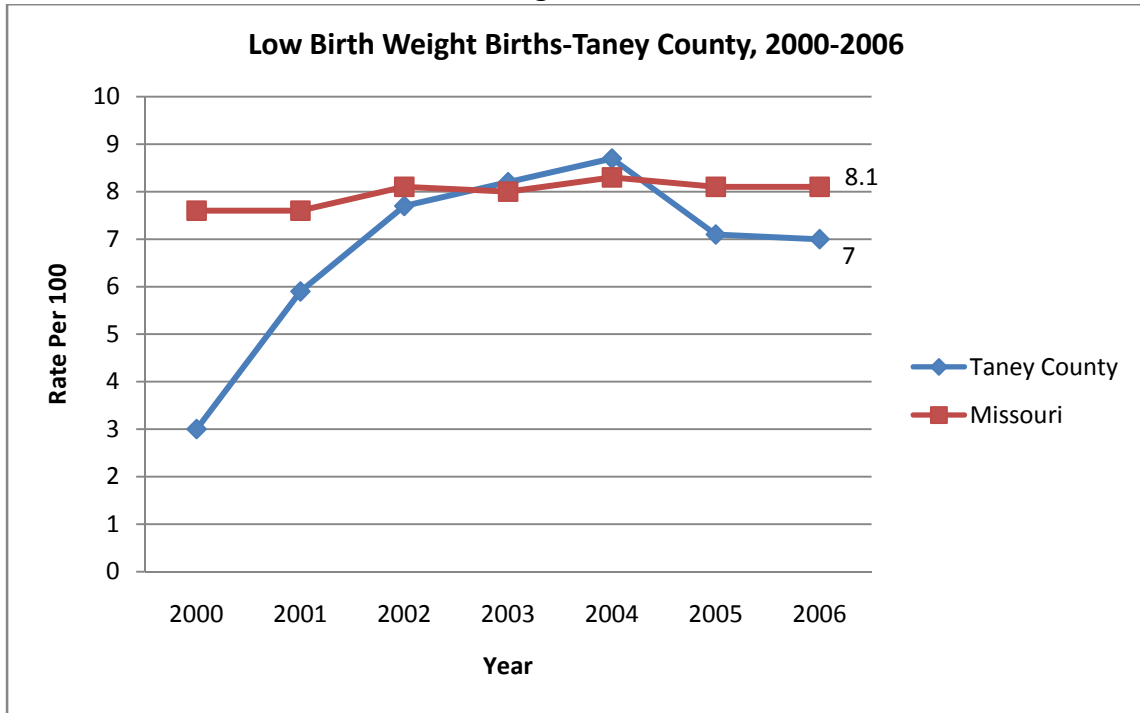
Source: Missouri Department of Health and Senior Services, MICA

Figure 7.3



Source: Missouri Department of Health and Senior Services, MICA

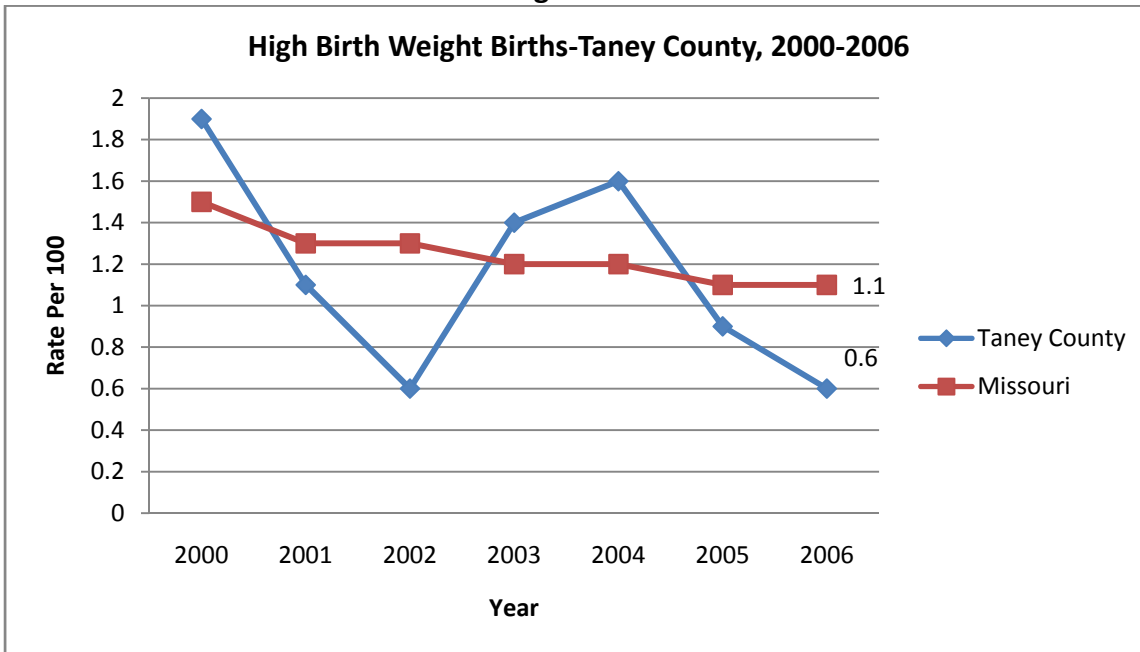
Figure 7.4



Source: Missouri Department of Health and Senior Services, MICA

Figure 7.4 indicates that the rate of low birth weight in the state has remained about 8 percent since 1998. The Taney County rate increased from 3 to 8.5 percent (2000 and 2004 respectively). In 2005, the county rate dropped to about 7%.

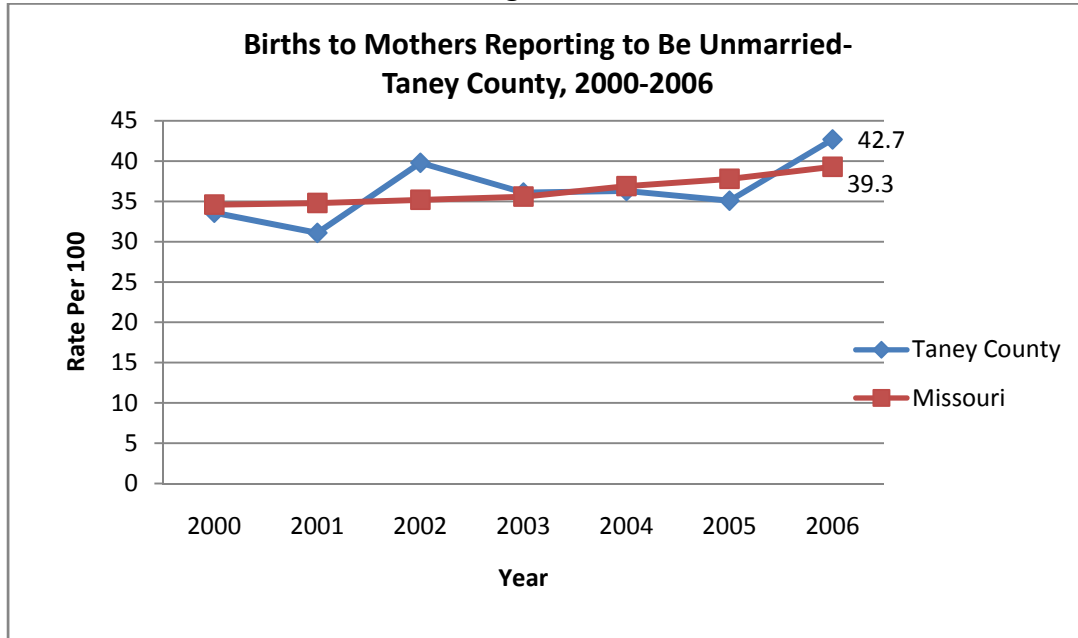
Figure 7.5



Source: Missouri Department of Health and Senior Services, MICA

The rate of high birth weights in Missouri showed a decline from 2000 to 2005, while the county rate showed no consistent trend throughout the time period. In 2006, the county rate was slightly lower than the state rate as indicated in figure 7.5.

Figure 7.6

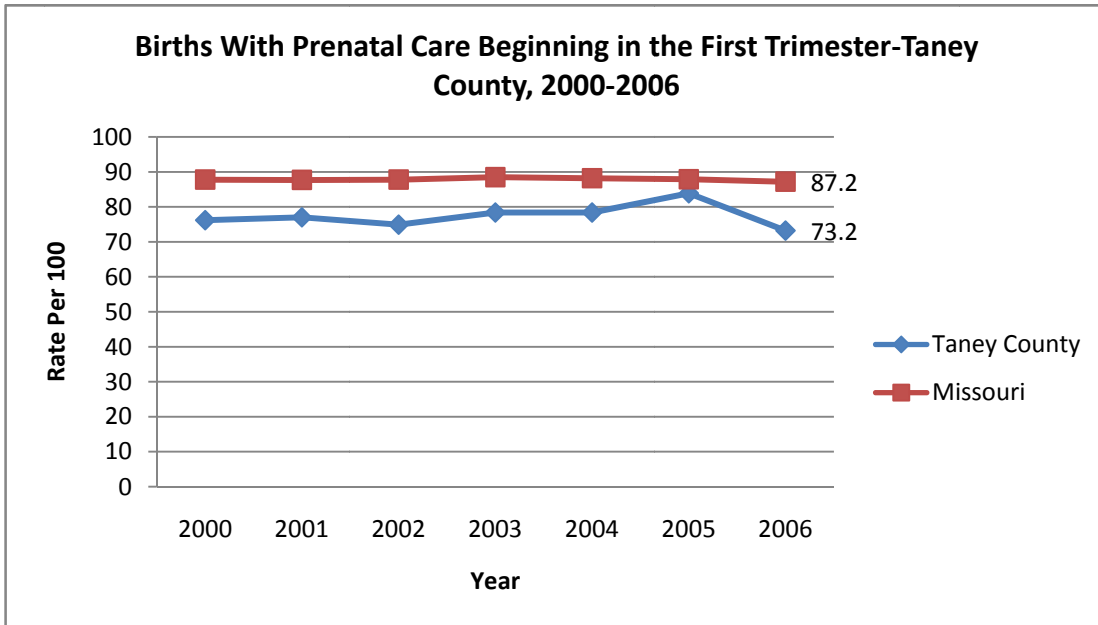


Source: Missouri Department of Health and Senior Services, MICA

Figure 7.6 showed no significant difference between the county and the state rate of mothers reporting to be unmarried. Approximately 35 out of every 100 births were to unmarried women.

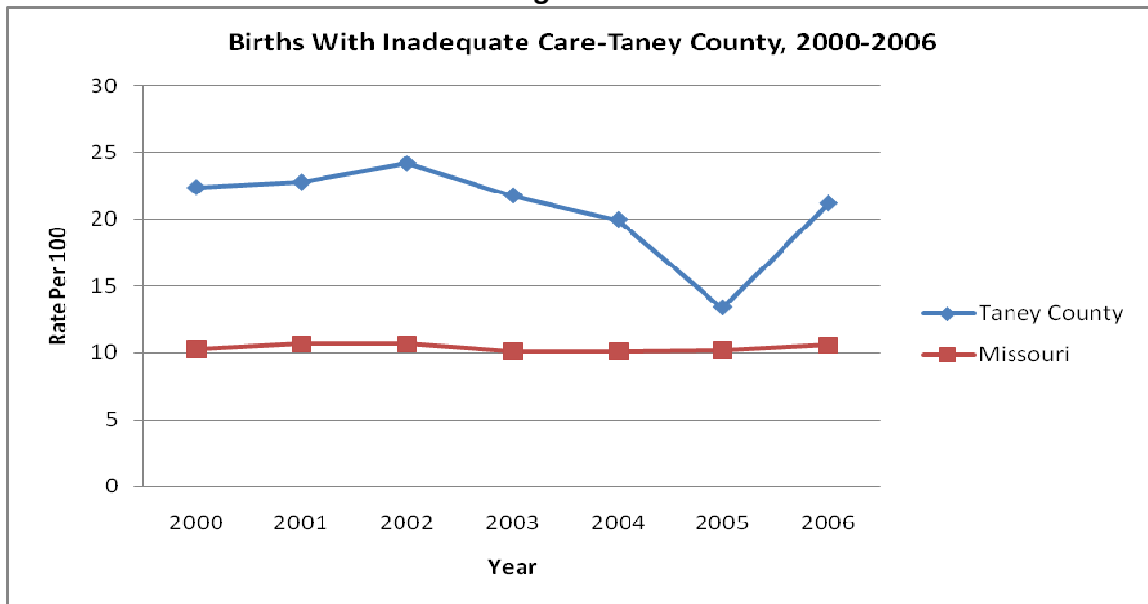
The number of pregnant women who began prenatal care in their first trimester in Taney County and the state level are showed in figure 7.7. The state data indicates a stable and higher rate than the county rate. However, that county rate showed an increase of the level of prenatal care from 2002 to 2005.

**Table 7.7**



Source: Missouri Department of Health and Senior Services, MICA

**Figure 7.8**



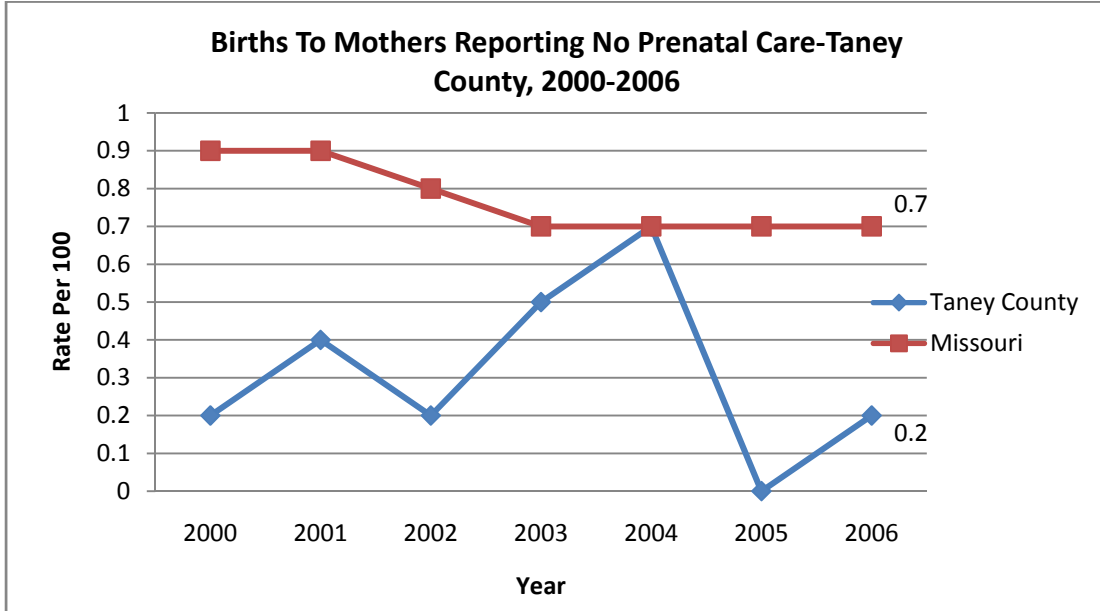
Source: Missouri Department of Health and Senior Services, MICA

The number of pregnant women receiving inadequate prenatal care in Taney County was higher than the state rate from 2000 to 2006. The trend line shows a decrease in the number of women receiving inadequate prenatal care through 2005. However, there

was an increase in 2006 and the rate in Taney County is still higher than the state average. (Figure 7.8)

Although the rate of women who gave birth having no prenatal care in Missouri declined from 2000 through 2006, the county rate has remained lower than the state. Both rates were less than one percent since the year 2000 according to figure 7.9.

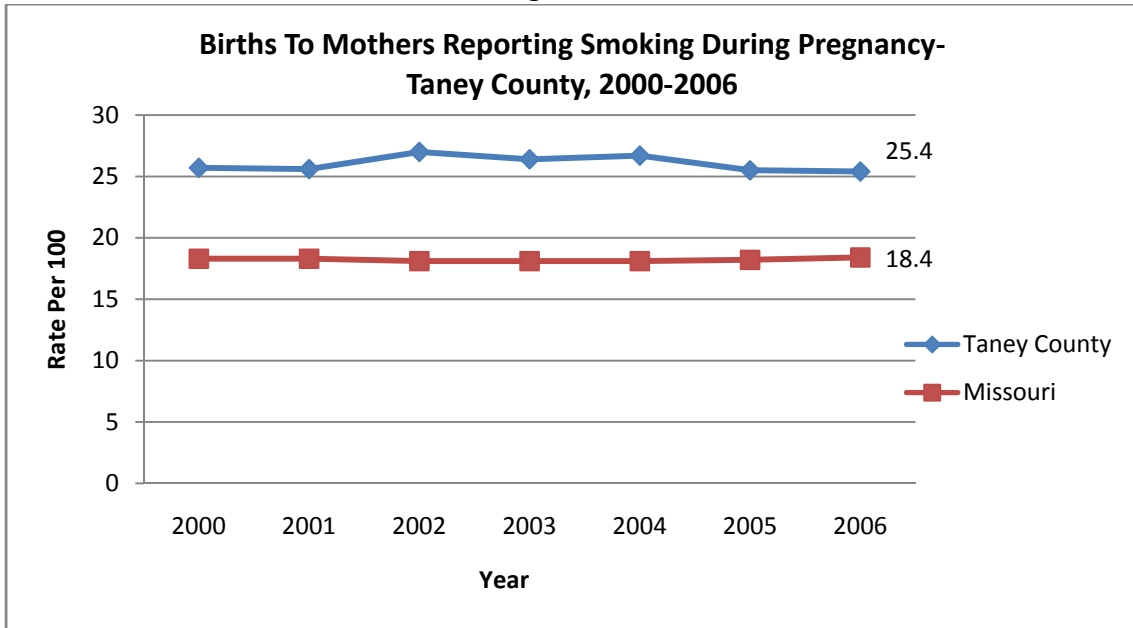
Figure 7.9



Source: Missouri Department of Health and Senior Services, MICA

In figure 7.10, the number of mothers who smoked during pregnancy in Taney County ranged between 25 and 28 percent from 2000 to 2006. This percentage was higher than the state average, which was slightly below 20 percent.

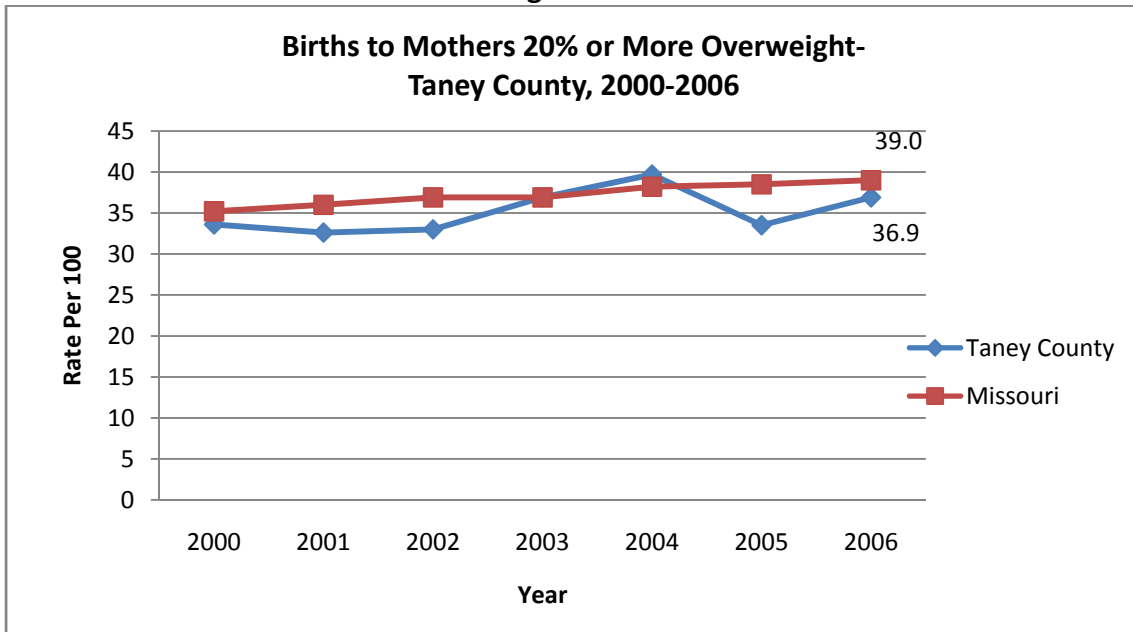
Figure 7.10



Source: Missouri Department of Health and Senior Services, MICA

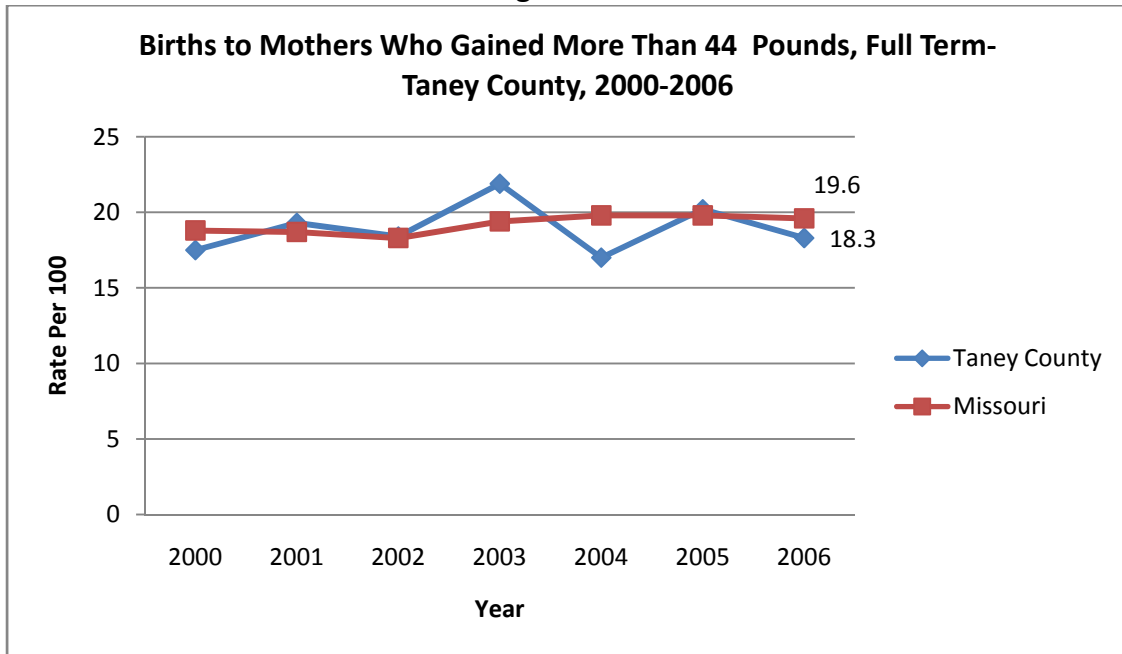
The number of overweight (20% or more overweight for height) mothers in Taney County increased slightly from 2000 to 2006. The state rate was slightly higher than the county rate according to figure. 7.11.

Figure 7.11



Source: Missouri Department of Health and Senior Services, MICA

Figure 7.12

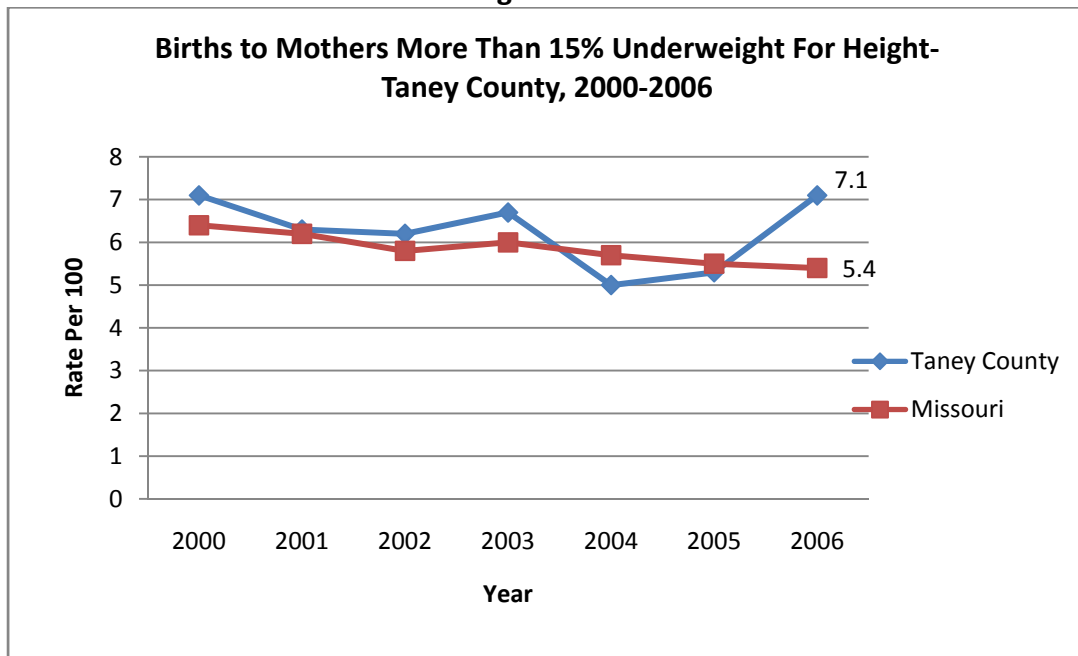


Source: Missouri Department of Health and Senior Services, MICA

In 2005, approximately 20 percent of mothers in both Taney county and Missouri had a weight gain of more than 44 pounds during their pregnancy (Figure 7.12).

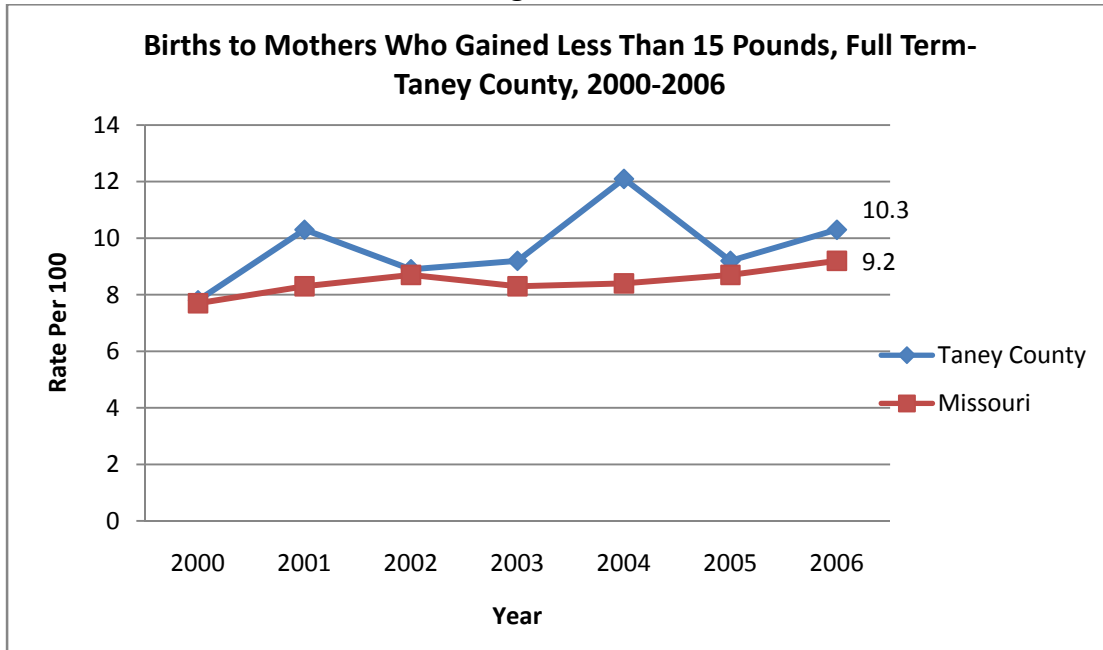
Figure 7.13 shows a decline in mothers who were underweight (more than 15 pounds underweight for height) in Taney county and Missouri. In 2006, the rate in Taney County increased to over 7%.

Figure 7.13



Source: Missouri Department of Health and Senior Services, MICA

Figure 7.14

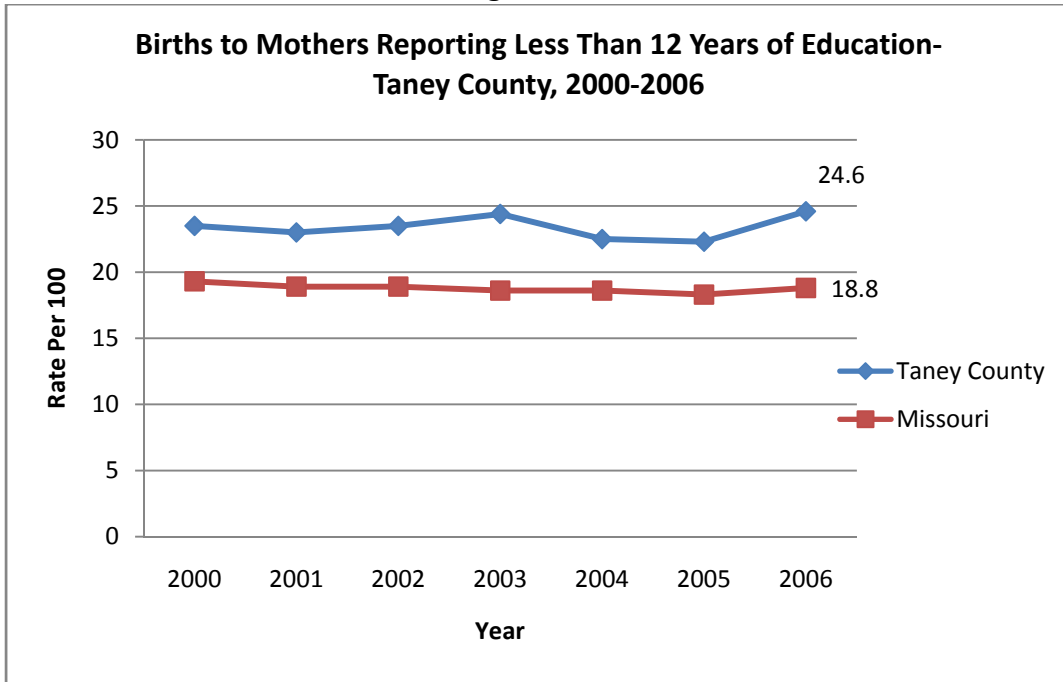


Source: Missouri Department of Health and Senior Services, MICA

Approximately 8.5 percent of mothers in Missouri had a weight gain of less than 15 pounds during pregnancy from 2000 to 2006. On the other hand, Taney County had a fluctuating rate that peaked in 2004. Both regions had about 9 percent in 2005 as indicated in figure 7.14.

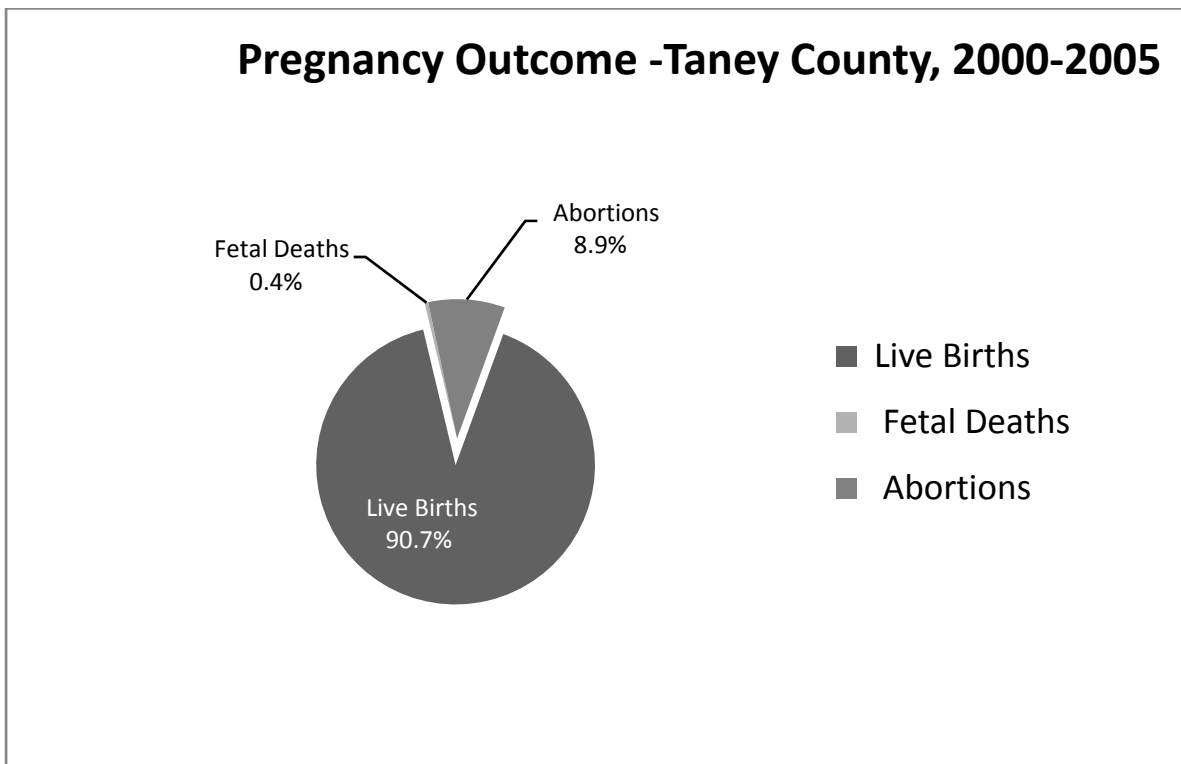
Figure 7.15 demonstrates that the rate of births to mother with less than 12 years of education in Taney County and Missouri. The rate in Taney County was slightly higher than the state's rate since the year 1998. The county rate increased in 2006 to almost 25% .

Figure 7.15



Source: Missouri Department of Health and Senior Services, MICA

Figure 7.16



Source: Missouri Department of Health and Senior Services, MICA

On the next page, Table 7.1 shows the birth characteristics for mothers with less than 12 years of education. The county has been able to record some of the complications attributed against their educational attainment thus documenting several aspects that affect their health and that of their children. In many of the indicators, mothers with lower educational attainment reported higher percentages of such things as being unmarried, inadequate prenatal care, and smoking during pregnancy. (Table 7.1)

Indicators for mothers on WIC are shown in Table 7.2. A comparison between Taney County rates and the state rates is provided.

**Table 7.1**

<b>Birth Statistics to Mothers By Years of Education- Taney County, 2000-2006</b>						
<b>Indicator</b>	<b>Years of Education</b>				<b>All</b>	
	<b>00-11</b>	<b>12</b>	<b>13-15</b>	<b>16 or more</b>	<b>Number</b>	<b>Rate</b>
Birth Spacing: Less Than 18 Months	16.3	12.1	13.8	8.5	301	12.8
Birth Weight: Low (less than 2500 g)	7.8	7.5	5.9	5.3	272	6.8
Birth Weight: Normal (2500-4499 g)	91.6	91.5	92.4	93	3,679	92
Birth Weight: High (greater than 4499 g)	0.6	1	1.7	1.7	46	1.2
Marital Status: Not Married	64.6	40.1	22.1	5.8	1,460	36.5
Prenatal Care: Began First Trimester	69.0	75.3	80.6	90.7	3,052	77.4
Prenatal Care: Inadequate	28.9	21.8	18.2	10.3	812	20.8
Prenatal Service Utilization: Mother on Food Stamps	45.7	26.7	14.7	3.1	960	24.6
Prenatal Service Utilization: Mother on Medicaid	93.4	72.9	55.2	22.7	2,562	65.6
Prenatal Service Utilization: Mother on WIC	87.0	70.0	51.2	24.1	2,432	62.3
Prior Live Births: Four or More	5.0	4.0	5.3	5.9	197	4.9
Smoked During Pregnancy: Yes	49.5	28.0	14.4	3.2	1,040	26
Weight for Height: Mother Underweight More Than 15%	8.8	6.1	4.7	5.4	240	6.3
Weight for Height: Mother Overweight 20% or More	31.1	36.5	38.2	33.8	1,346	35.2

Source: Missouri Department of Health and Senior Services, MICA

**Table 7.2**

<b>WIC Infants Statistics, Rate Per 100 - Taney County and Missouri, 2000-2006</b>		
Indicator	Taney County	Missouri
Birth weight - low (less than 2500 grams and includes very low)	10.2	11.1
Birth weight - high (4000 grams or more)	7.9	7.1
Currently breast feeding - fully	65.8	51.9
Immunizations - up to date	82.1	68.6
Underweight for length - (less than or equal to 10th percentile)	6.1	11.1
Overweight for length - WIC (greater than or equal to 95th percentile)	5.0	5.3
At Risk of becoming overweight	12.9	10.1

Source: Missouri Department of Health Senior Services, MICA

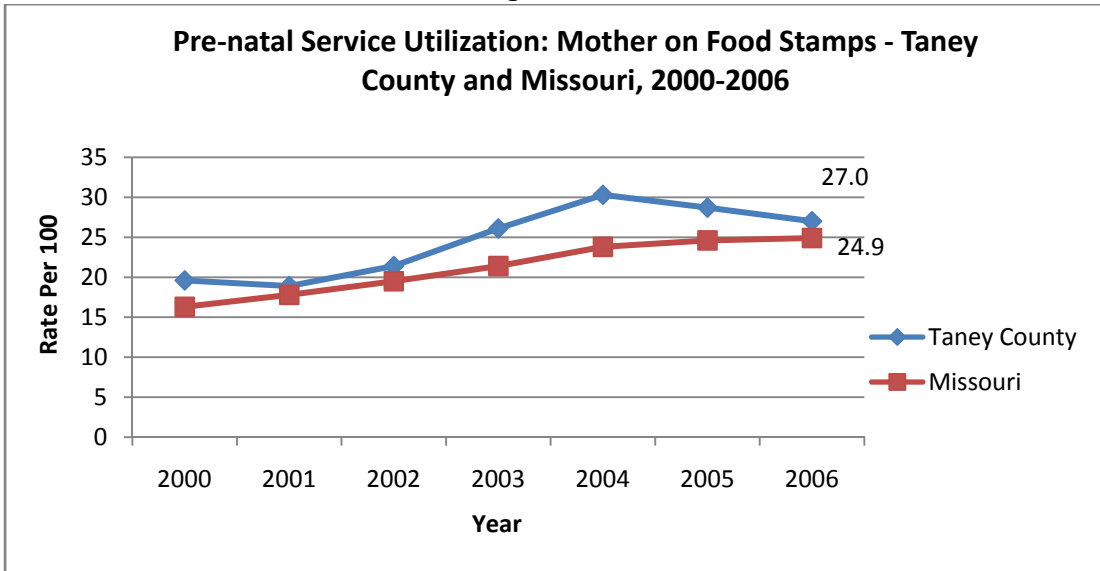
**Table 7.3**

<b>Maternal and Child Health Characteristics of Medicaid Mothers, Rate Per 100 - Taney County, 2000-2006</b>		
Indicator	Medicaid Mothers	All Mothers
Birth Weight: Low (less than 2500 g)	7.3	6.8
Birth Weight: Normal (2500-4499 g)	91.7	92
Birth Weight: High (greater than 4499 g)	1	1.2
Education Status: Less Than 12 Years	33.2	23.4
Gestation: Low Birth Weight and Full Term	2.7	2.3
Marital Status: Not Married	51	36.5
Prenatal Care: Began First Trimester	73.1	77.4
Prenatal Care: Inadequate	24.9	20.8
Prior Live Births: Four or More	5.7	4.9
Prior Live Births: Mother Under Age 20	3.1	2.2
Smoked During Pregnancy: Yes	35.2	26
Weight for Height: Mother Overweight 20% or More	35.6	35.2
Weight for Height: Mother Underweight More Than 15%	7	6.3

Source: Missouri Department of Health Senior Services, MICA

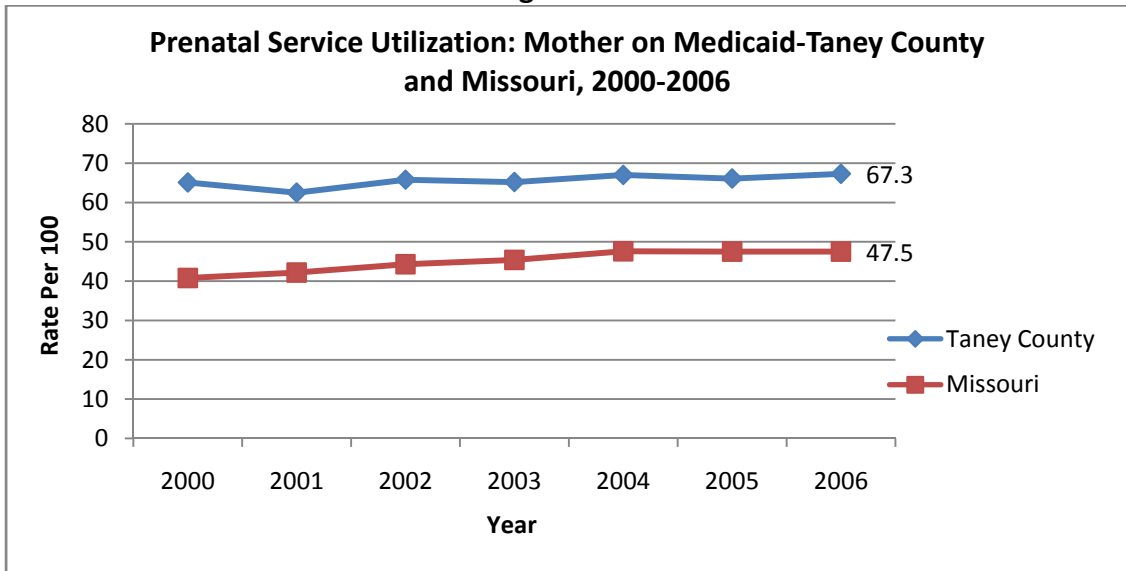
Prenatal service utilization statistics are shown in Figures 7.17 to 7.20. In each service area such as food stamps, Medicaid and WIC, the percentage of mothers utilizing these services is higher than the state rate.

Figure 7.17



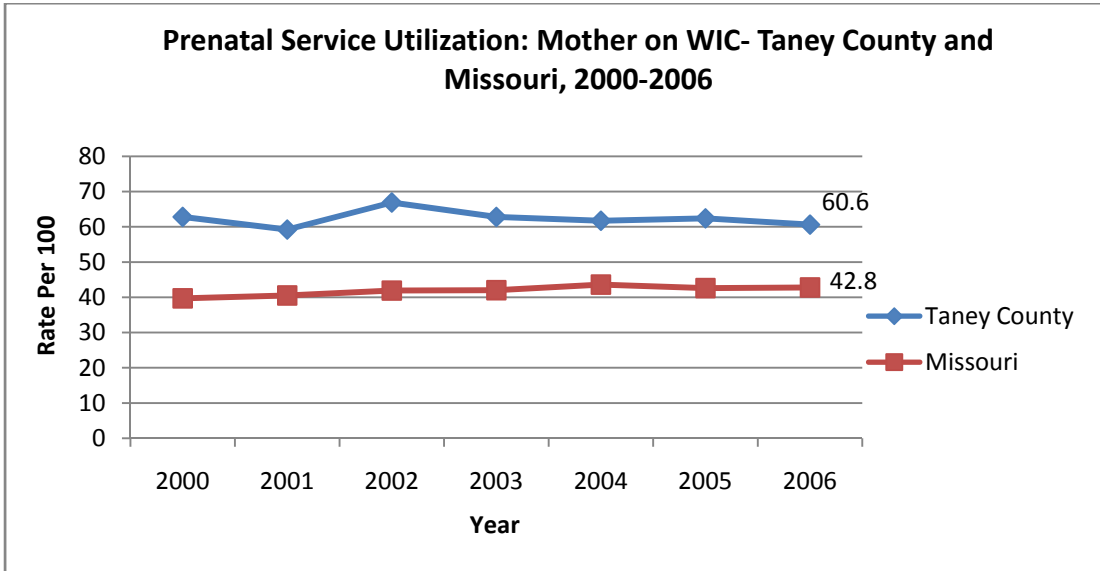
Source: Missouri Department of Health and Senior Services, MICA

Figure 7.18



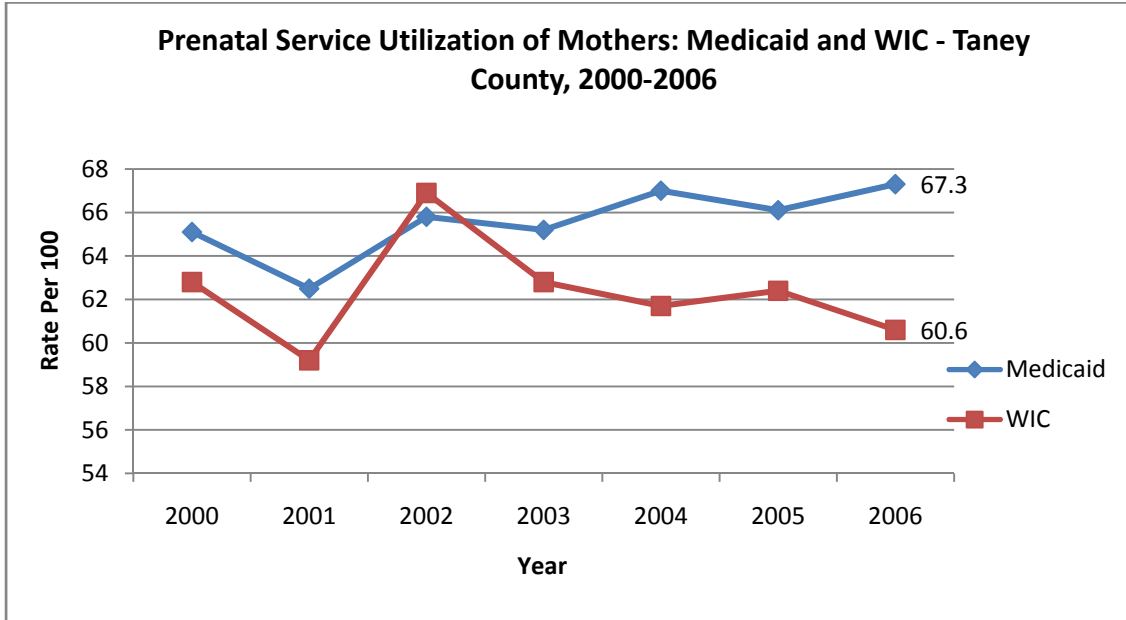
Source: Missouri Department of Health and Senior Services, MICA

Figure 7.19



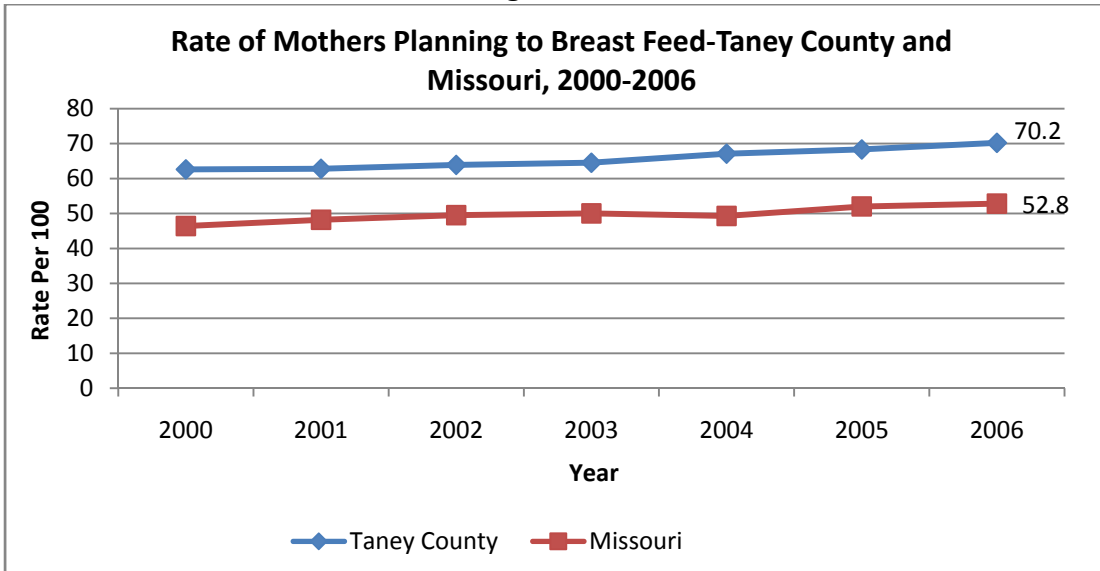
Source: Missouri Department of Health and Senior Services, MICA

Figure 7.20



Source: Missouri Department of Health and Senior Services, MICA

Figure 7.21

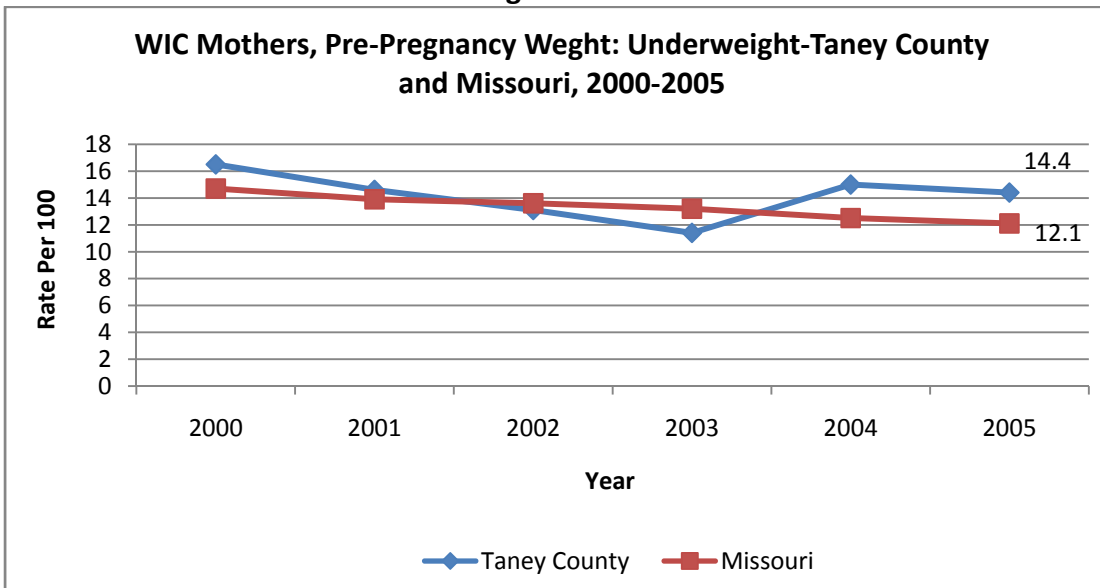


Source: Missouri Department of Health and Senior Services, MICA

The percentage of mothers who indicated that they plan to breast feed has increased steadily in Taney County and Missouri from 2000 to 2006.(Table 7.21) During this time, the Taney County Rate has been higher than the state rate.

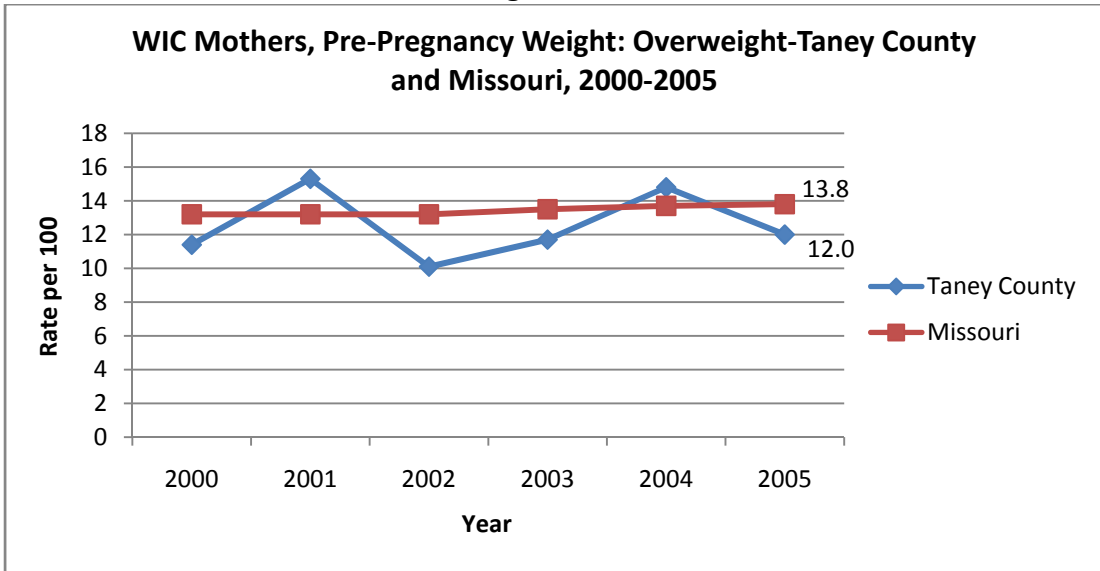
Several pregnancy indicators are reviewed in the following figures for mothers who participate in the Women’s, Infants, and Children’s program. Indicators measuring weight, the number of prior live births, birth spacing, and smoking are shown.

Figure 7.22



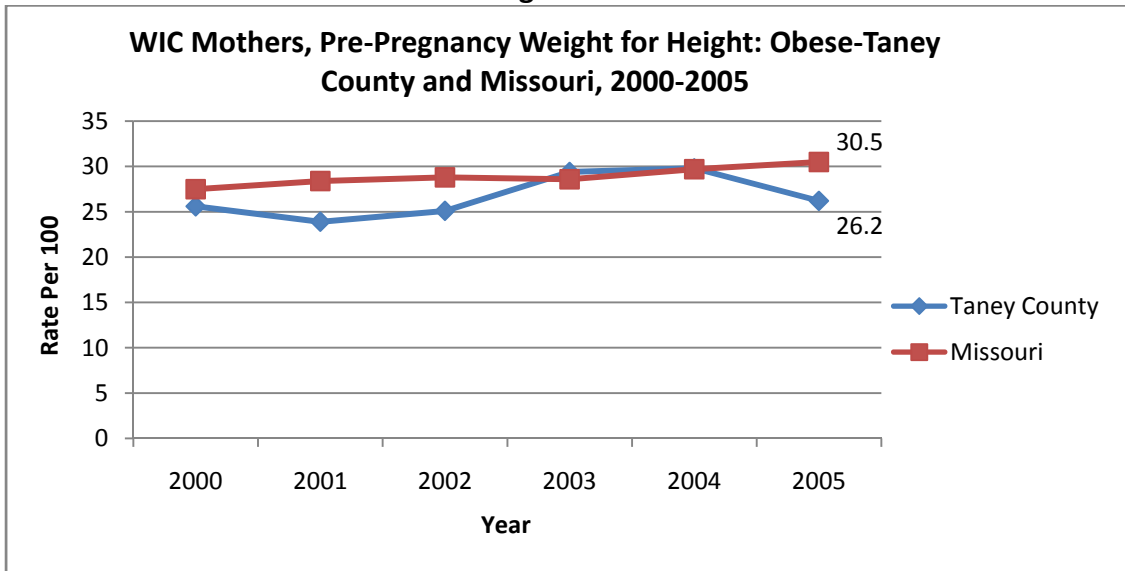
Source: Missouri Department of Health and Senior Services, MICA

Figure 7.23



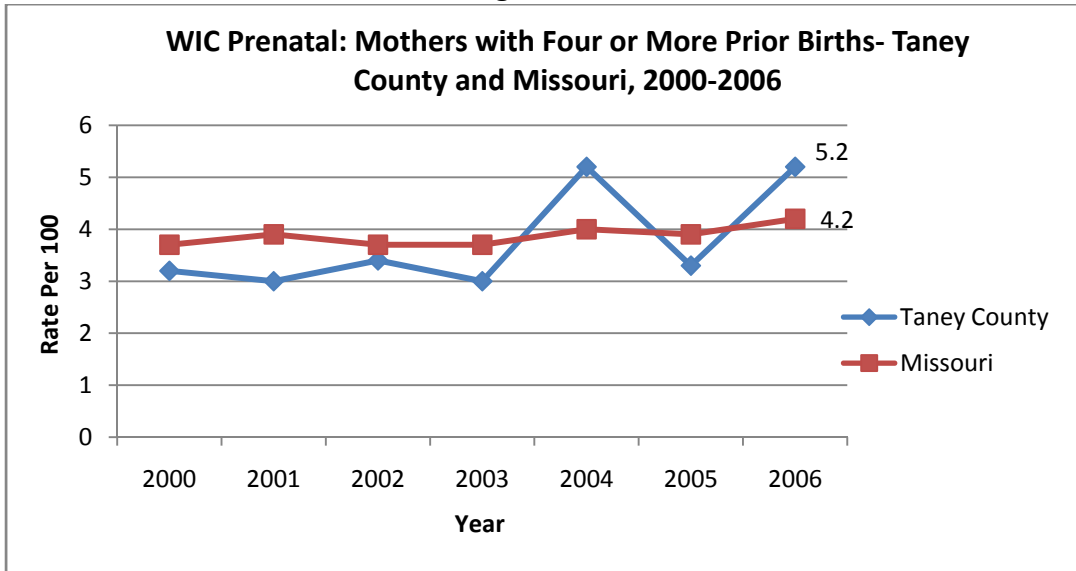
Source: Missouri Department of Health and Senior Services, MICA

Figure 7.24



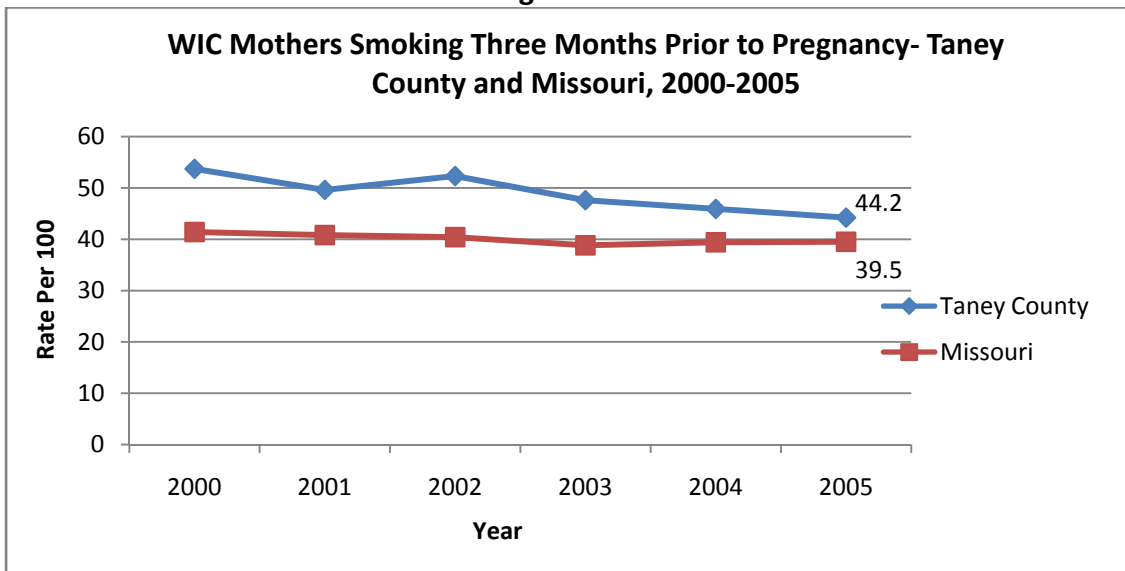
Source: Missouri Department of Health and Senior Services, MICA

Figure 7.25



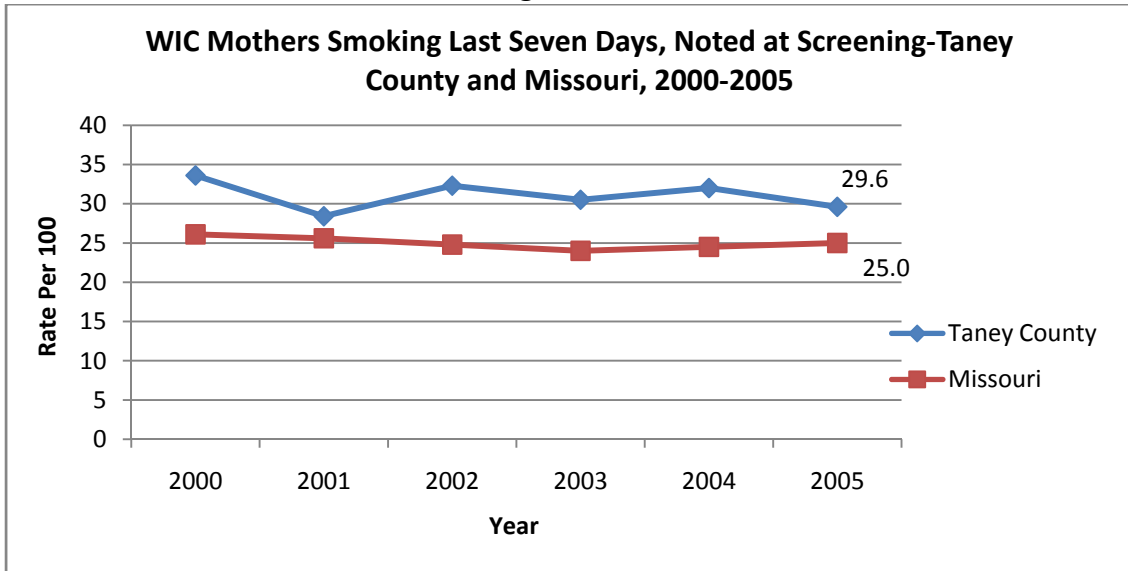
Source: Missouri Department of Health and Senior Services, MICA

Figure 7.26



Source: Missouri Department of Health and Senior Services, MICA

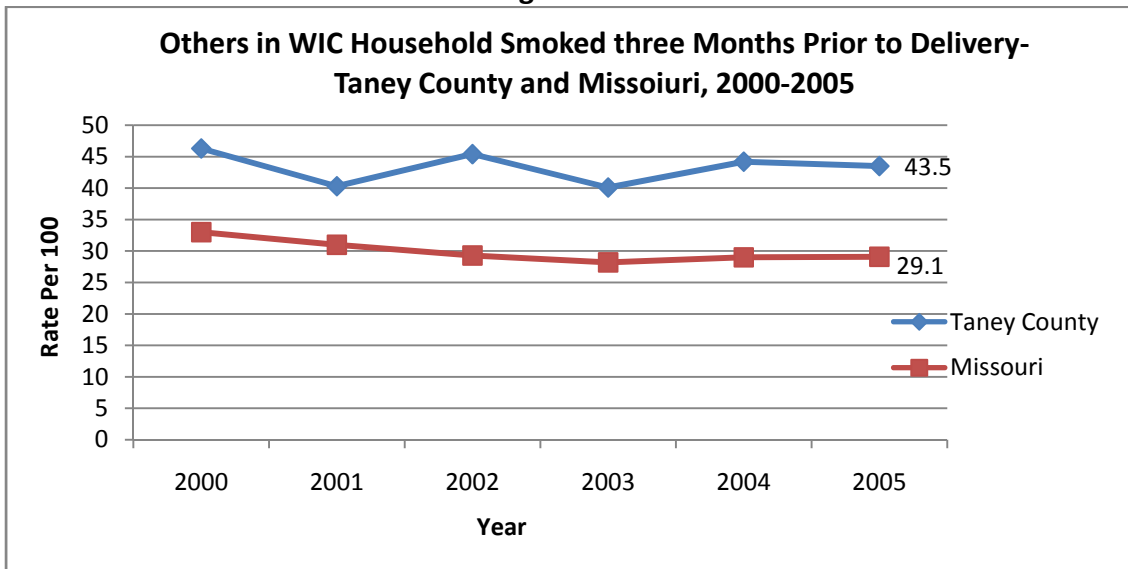
Figure 7.27



Source: Missouri Department of Health and Senior Services, MICA

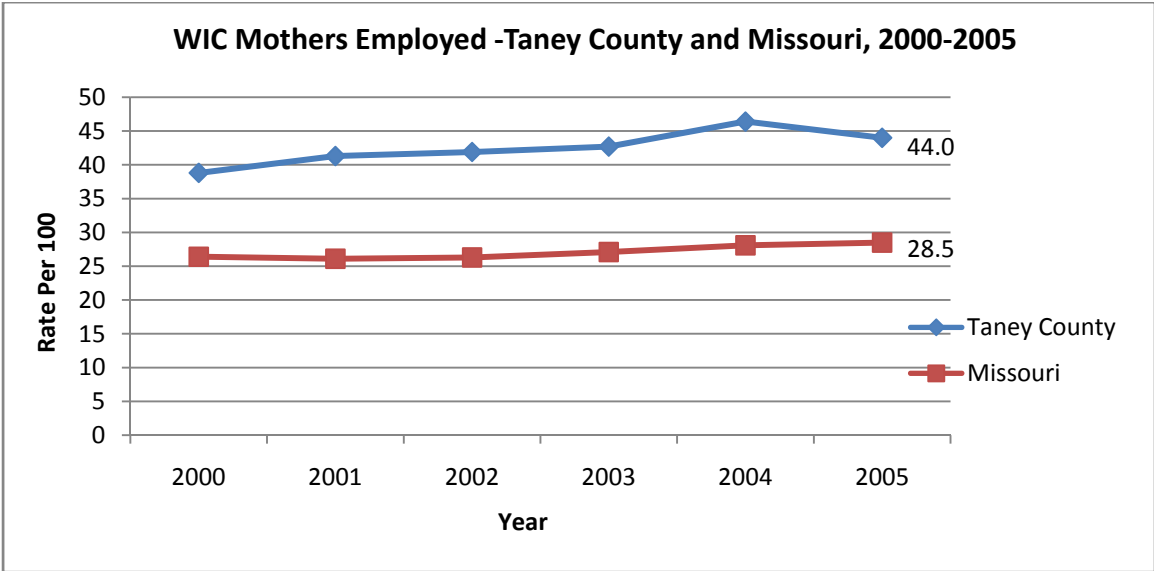
The rate of WIC mothers who smoke in Taney County has been higher than the state rates for those smoking three months prior to pregnancy and those reporting that they smoked in the last seven days.(Figures 7.26 and 7.27) WIC mothers also reported higher rates of others smoking in the household. (Figure 7.28)

Figure 7.28



Source: Missouri Department of Health and Senior Services, MICA

Figure 7.29



Source: Missouri Department of Health and Senior Services, MICA