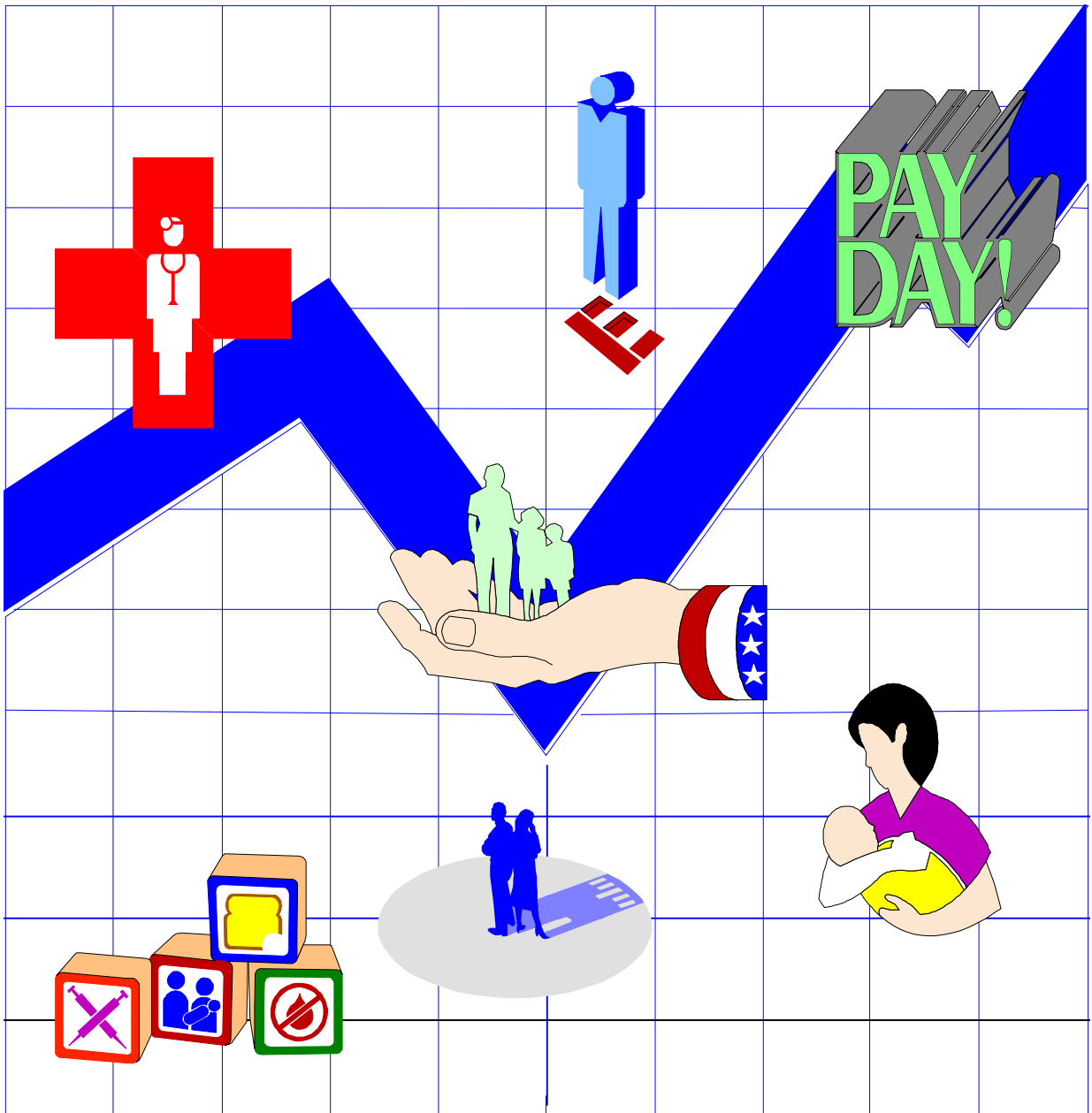


# STARK COUNTY 2001 HEALTH ASSESSMENT



# Stark County 2001 Health Assessment

# STARK COUNTY 2001 HEALTH ASSESSMENT MARCH 2002

Prepared by

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# Stark County 2001 Health Assessment

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# Stark County 2001 Health Assessment

## SUMMARY HEALTH PROFILE

Where possible, icons are used to indicate where Stark County is doing equal to or better than it did in previous years or where attention is needed:

Needs Attention



Equal to or better than Prior Year(s) or to Peer Counties (indicated with \*)



Note: unless otherwise noted, the following data was obtained from Ohio Department of Health: 1990 census used for 1998 data; 2000 census used for 1999 and 2000 data

### LEAD POISONING, DENTAL CARE OF CHILDREN

#### LEAD POISONING



A total of 2,853 children were screened during 1999 in Stark County with 99 reported to have Elevated Blood Levels of 10ug/dL or above--this represents a small percentage increase from 1997 and 1998. Source: ODH's Childhood Lead Poisoning Prevention Program

#### DENTAL CARE

The Stark County 1998-99 Oral Health Survey indicates there were 22.7% of third graders with obvious need for dental care (Ohio 26.7%). For first to third graders, 49.6 had experienced dental decay (Ohio 47%), and 38.0% of third graders had one or more sealants on permanent teeth (Ohio 34%) with 74.1% of them having visited the dentist in the last year (Ohio 74%). Source: Ohio Department of Health, Bureau of Oral Health Services.

### BIRTHS

#### STARK COUNTY AND OHIO LIVE BIRTH RATE

Births Rate per 1,000 population	Stark			Ohio
	1999	2000		2000
	Rate	Number	Rate	Rate
All Births	12.7	4918	13.0	13.7
White	12.5	4341	12.7	13.3
African American	18.6	527	19.4	18.3

# Stark County 2001 Health Assessment

## STARK COUNTY AND OHIO LOW BIRTH WEIGHT BABIES

Mothers	Stark			Ohio
	1999	2000		2000
Rate per 1,000 population	Rate	Number	Rate	Rate
All Mothers	90.0	379	77.1	79.2
White	82.1	304	70.0	69.6
African American	160.1	72	136.6	130.6



## STARK COUNTY AND OHIO NO 1ST TRIMESTER PRENATAL CARE

Mothers	Stark			Ohio
	1999	2000		2000
Rate per 1,000 live births	Rate	Number	Rate	Rate
All Mothers	100.9	507	103.1	130.6
White	89.6	374	86.2	112.4
African American	205.5	131	248.6	231.4



## STARK COUNTY AND OHIO BIRTHS TO UNWED MOTHERS

Mothers	Stark			Ohio
	1999	2000		2000
Rate per 1,000 live births	Rate	Number	Rate	Rate
All Mothers	359.5	1739	353.6	346.1
White	304.9	1313	302.5	275.6
African American	820.2	414	785.6	754.4



## STARK COUNTY AND OHIO ONE/MORE PREVIOUS LIVE BIRTHS

Mothers	Stark			Ohio
	1999	2000		2000
Percent of total live births	Percent	Number	Percent	Percent
All Mothers	60.7	3014	61.3	60.0
White	61.0	2626	60.5	59.7
African American	60.5	363	68.9	62.6

## STARK COUNTY AND OHIO 12TH GRADE NOT COMPLETED

Mothers	Stark			Ohio
	1999	2000		2000
Percent of total live births	Percent	Number	Percent	Percent
All Mothers	15.6	764	15.5	17.5
White	13.6	614	14.1	15.7
African American	32.4	146	27.7	28.4



# Stark County 2001 Health Assessment

## STARK COUNTY AND OHIO BIRTHS TO TOBACCO USE BY MOTHERS

Mothers	Stark			Ohio
	1999	2000		2000
	Percent	Number	Percent	Percent
All Mothers	19.6	1010	20.5	18.9
White	19.9	910	21.0	19.9
African American	18.4	95	18.0	15.3



## TEEN BIRTHS

### STARK COUNTY AND OHIO TEEN BIRTHS (10-19 YEARS AGE)

Mothers	Stark			Ohio
	1999	2000		2000
	Rate	Number	Rate	Rate
All Teen Mothers	22.7	563	21.5	23.3
White	18.5	441	19.2	20.2
African American	68.5	120	50.1	48.6



### STARK COUNTY AND OHIO LOW BIRTH WEIGHT BABIES

Mothers	Stark			Ohio
	1999	2000		2000
	Rate	Number	Rate	Rate
All Teen Mothers	141.2	55	97.7	103.6
White	120.0	39	88.4	91.9
African American	195.1	15	125.0	132.3



### STARK COUNTY AND OHIO NO 1ST TRIMESTER PRENATAL CARE

Mothers	Stark			Ohio
	1999	2000		2000
	Rate	Number	Rate	Rate
All Mothers	231.9	130	230.9	246.9
White	211.8	87	197.3	220.5
African American	292.7	43	358.3	311.3



### STARK COUNTY AND OHIO BIRTHS TO UNWED MOTHERS

Mothers	Stark			Ohio
	1999	2000		2000
	Rate	Number	Rate	Rate
All Mothers	899.2	478	849.0	859.7
White	870.6	360	816.3	815.8
African American	969.5	117	975.0	971.4



# Stark County 2001 Health Assessment

## STARK COUNTY AND OHIO ONE OR MORE PREVIOUS LIVE BIRTHS

Mothers	Stark			Ohio
	1999	2000		2000
Percent of total teen births	Percent	Number	Percent	Percent
All Mothers	20.3	118	21.0	20.7
White	19.3	77	17.5	18.8
African American	23.8	40	33.3	25.5



## STARK COUNTY AND OHIO 12 GRADE EDUCATION NOT COMPLETED

Mothers	Stark			Ohio
	1999	2000		2000
Percent of total teen births	Percent	Number	Percent	Percent
All Mothers	63.9	333	59.1	59.3
White	60.0	249	56.5	57.7
African American	73.2	84	70.0	63.3



## STARK COUNTY AND OHIO BIRTHS TO TOBACCO USE BY MOTHERS

Mothers	Stark			Ohio
	1999	2000		2000
Percent of total teen births	Percent	Number	Percent	Percent
All Mothers	28.2	164	29.1	28.5
White	34.4	147	33.3	35.0
African American	12.8	16	13.3	12.2

## INFANT, NEONATAL AND FETAL DEATHS

### STARK COUNTY AND OHIO INFANT, NEONATAL AND FETAL DEATHS

Mothers	Stark			Ohio
	1998	1999		1999
Rate per 1,000 population	Rate	Number	Rate	Rate
All Mothers	10.1	3811	10.2	9.6
White	10.2	3527	10.3	9.8
African American	9.4	271	10.0	8.8



### STARK COUNTY AND OHIO INFANT DEATHS

Mothers	Stark			Ohio
	1998	1999		1999
Rate per 1,000 live births	Rate	Number	Rate	Rate
All Mothers	4.6	37	7.7	8.2
White	4.5	28	6.6	6.6
African American	5.4	8	15.8	17.4



# Stark County 2001 Health Assessment

## STARK COUNTY AND OHIO NEONATAL DEATHS

Mothers	Stark			Ohio
	1998	1999		1999
	Rate	Number	Rate	Rate
All Mothers	3.3	26	5.4	5.6
White	3.3	22	5.2	4.6
African American	3.6	4	7.9	11.7



## STARK COUNTY AND OHIO FETAL DEATHS

Mothers	Stark			Ohio
	1998	1999		1999
	Rate	Number	Rate	Rate
All Mothers	6.6	39	8.0	6.8
White	5.2	32	7.5	5.9
African American	16.2	5	9.8	11.5



Fetal deaths do not include under 20 weeks gestation or those attributed to abortion

## DEATHS

### STARK COUNTY AND OHIO CAUSES OF DEATH UNDER ONE YEAR

Mothers	Stark			Ohio
	1997	1998		1998
	Percent	Number	Percent	Percent
Short Gestation Unspecified Low Birth Weight	18.9	4	18.2	20.0
Congenital Anomalies	18.9	5	22.7	20.9
SIDS	13.5	3	13.6	12.3
Newborn Affected by Maternal Complications	5.4	2	9.1	6.1
Respiratory Distress	***	***	***	5.1
Other	43.2	8	36.4	35.5

\*\*\*Data Not Reported

# Stark County 2001 Health Assessment

## STARK COUNTY AND OHIO TEEN DEATHS BY CAUSE

Cause	Stark			Ohio
	1997	1998		1998
	Percent	Number	Percent	Percent
Accidents	33.3	6	25.0	46.6
Homicide	8.3	2	8.3	10.7
Suicide	8.3	8	33.3	14.5
Cancer	33.3	4	16.7	8.1
Heart Disease	***	2	8.3	3.5
Other	16.7	2	8.3	16.5

\*\*\*Data Not Reported

## STARK COUNTY AND OHIO DEATHS ALL RESIDENTS BY CAUSE

Cause	Stark			Ohio
	1997	1998		1998
	Percent	Number	Percent	Percent
Heart Disease	33.0	1,169	31.5	31.9
Cancer	21.7	843	22.7	23.9
Stroke	8.1	297	8.0	7.2
Pulmonary (COPD)	5.6	195	5.2	5.2
Diabetes	4.0	117	3.1	3.4
Other	27.6	1,095	29.5	28.3

## STARK COUNTY AND OHIO DEATHS ALL RESIDENTS BY RACE

Cause	Stark			Ohio
	1997	1998		1998
	Percent	Number	Percent	Percent
White	93.9	3,474	93.5	89.2
African American	6.0	235	6.3	10.5
Native American	0.1	2	0.1	0.0
Asian	0.0	4	0.1	0.2
Other	***	1	0.0	0.0
Unknown	0.0	***	***	0.1

\*\*\*Data Not Reported

## ABORTIONS

Ohio Department of Health reports, by County of Residence, an increase in the number of abortions in Stark County from 817 in 1990 to 865 in 1999 (Ohio's increased from 27,231 in 1990 to 34,134 in 1999).

The majority of abortions are to women ages 20-24, never married, with a 9-12<sup>th</sup> grade education, white, and with two or more children, although those with no children are a close second. The gestational stage for the majority of abortions is 9 weeks.

# Stark County 2001 Health Assessment

## HIV/AIDS

### PERSONS WITH HIV/AIDS

A December 31, 2000 Ohio Department of Health report shows a total of 157 males in Stark County with HIV/AIDS and 50 females. The majority are 30-39 years age (44.4%) and 40-49 years (35.3%). White males comprise 57.5%, white females 15.0%, African American males 15.9%, and African American Females 8.2% of Stark County's persons living with HIV/AIDS.

### RATE OF PERSONS WITH HIV/AIDS BY RACE

The following population figures are from 1998 Estimated Population for Stark County. The percentages for persons living with HIV/AIDS were taken from Ohio Department of Health's December 31, 2000 figures:

White male population comprises 43.5% of the population and accounts for 57.5% of persons living with HIV/AIDS.



White female population comprises 47.1% of population and accounts for 15% of persons living with HIV/AIDS.

African American male population comprises 3.7% of population and accounts for 15.9% of those living with HIV/AIDS.

African American female comprises 4.0% of population and accounts for 8.2% of persons living with HIV/AIDS.



# Stark County 2001 Health Assessment

## STARK COUNTY HEALTH STATUS COMPARING YEAR TO YEAR

 <p><b><i>Equal to or better than previous year</i></b></p>	 <p><b><i>Needs Attention</i></b></p>
<ul style="list-style-type: none"> <li>• <i>Low birth weight</i></li> <li>• <i>Births to unwed mothers</i></li> <li>• <i>Teen births (10-19 years)</i></li> <li>• <i>Teen mothers low birth weight babies</i></li> <li>• <i>No 1st trimester care</i></li> <li>• <i>Births to unwed teen mothers</i></li> <li>• <i>Teen mothers 12 grade education not complete</i></li> <li>• <i>Short gestation/unsp. Low birth weight</i></li> <li>• <i>Teen accidents</i></li> <li>• <i>Teen homicides</i></li> <li>• <i>Teen cancer</i></li> <li>• <i>Heart Disease</i></li> <li>• <i>Stroke</i></li> <li>• <i>Pulmonary (COPD)</i></li> <li>• <i>Diabetes</i></li> </ul>	<ul style="list-style-type: none"> <li>• <i>No 1st trimester care</i></li> <li>• <i>Mothers 12th grade education not completed</i></li> <li>• <i>Tobacco use by mothers</i></li> <li>• <i>Teen mothers with 1/more previous live births</i></li> <li>• <i>Tobacco use by teen mothers</i></li> <li>• <i>Infant deaths</i></li> <li>• <i>Neonatal deaths</i></li> <li>• <i>Fetal deaths</i></li> <li>• <i>Lead poisoning in children</i></li> <li>• <i>Teen suicides</i></li> <li>• <i>SIDS deaths</i></li> <li>• <i>Newborn affected by maternal complications</i></li> <li>• <i>Congenital anomalies</i></li> <li>• <i>Cancer</i></li> <li>• <i>Abortions</i></li> </ul>

# Stark County 2001 Health Assessment

## STARK COUNTY HEALTH STATUS COMPARED TO OHIO

 <p><i>Equal to or better than Ohio</i></p>	 <p><i>Needs Attention</i></p>
<ul style="list-style-type: none"> <li>• <i>Low Birth Weight Babies</i></li> <li>• <i>No 1st Trimester Care</i></li> <li>• <i>Mothers 12 Grade Education Not Completed</i></li> <li>• <i>Teen births (10-19 years)</i></li> <li>• <i>Teen low birth weight babies</i></li> <li>• <i>Teen mothers no 1st trimester prenatal care</i></li> <li>• <i>Births to unwed teen mothers</i></li> <li>• <i>Teen mothers 12 grade education not complete</i></li> <li>• <i>Infant deaths</i></li> <li>• <i>Neonatal deaths</i></li> <li>• <i>3rd graders needing dental care</i></li> <li>• <i>3rd graders with one or more sealants on permanent teeth</i></li> <li>• <i>Short gestation/unsp. Low birth weight</i></li> <li>• <i>SIDS</i></li> <li>• <i>Teen accidents</i></li> <li>• <i>Teen homicide</i></li> <li>• <i>Teen heart disease</i></li> <li>• <i>Cancer</i></li> <li>• <i>Pulmonary (COPD)</i></li> <li>• <i>Diabetes</i></li> </ul>	<ul style="list-style-type: none"> <li>• <i>Births to unwed mothers</i></li> <li>• <i>Tobacco use by mothers</i></li> <li>• <i>Teen mothers with one or more previous live births</i></li> <li>• <i>Tobacco use by teen mothers</i></li> <li>• <i>Fetal deaths</i></li> <li>• <i>1<sup>st</sup>-3<sup>rd</sup> graders with dental decay</i></li> <li>• <i>Congenital anomalies</i></li> <li>• <i>Newborn affected by maternal complications</i></li> <li>• <i>Teen suicide</i></li> <li>• <i>Teen cancer</i></li> <li>• <i>Heart Disease</i></li> <li>• <i>Stroke</i></li> </ul>

# Stark County 2001 Health Assessment

## DEMOGRAPHIC PROFILE OF STARK COUNTY

Population statistics for Stark County have been compared with four peer counties (Westmoreland, Pennsylvania; Erie, Pennsylvania; Santa Barbara, California; and Madison, Illinois). Peer counties are grouped on county-like geographic areas with basis of frontier status, population size and poverty.

### POPULATION CHANGE, COMPOSITION

#### POPULATION CHANGE

The population of Stark County in 1990 was 367,585. As per the 2000 census, the population is 378,098, a 2.9 percent increase over 1990, putting Stark at midpoint of peer group for population increase. The 2000 population figure indicates a decrease from 1980 of 725 people Source: US Census Bureau

#### POPULATION COMPOSITION

Of the peer group, only one county has more persons 65 years and older than Stark County at 15.1%. Female population comprises 52% of population (the highest of peer counties). A comparison of peer counties of white population puts Stark at midpoint with 90.3%. African American persons make up 7.2%, American Indian and Alaska Native persons, 0.2%; Asian persons, 0.5% and persons reporting some other race at 0.3%; persons reporting two or more races, 1.4% . Stark County's under 5 population is 6.4%. Source: U.S. Census Bureau

## WELFARE REFORM

### POVERTY

#### POVERTY AMONG WOMEN AND CHILDREN

Despite a 12-year economic expansion, record low unemployment and welfare reform, the percentage of children living in poverty in Stark County increased from 1990 (16.4%) to 1999 (20.3%) while the number of children receiving cash assistance has dropped from 12,135 to 6,361. Source: Public Children Services Association of Ohio (PCSAO) Factbook 2001-2002

#### OHIO WORKS FIRST SUBSIDY AND OHIO DIRECTION CARD

As of January 2000, a total of 3,846 families in Stark County were receiving OWF assistance subsidy. A typical family of 3 receives \$373 a month. The Ohio Direction Xcard (formerly food stamps) subsidized a total of 18,464 residents with an average value statewide of \$71 per month. Source: PCSAO Factbook 2001-2002

# Stark County 2001 Health Assessment

## MEDICAID

Where possible, icons are used to indicate where Stark County is doing equal to or better than it did in previous years or where attention is needed:

Needs Attention



Equal to or better than Prior Year(s) or to Peer Counties (indicated with \*)



### MEDICAID AND HEALTHY START INSURED AND UNINSURED POPULATION UNINSURED RATES (BEST ESTIMATES OF UNINSURED POPULATION)

Population Group	Sample Size	Stark 1998		Ohio 1998
		<i>Estimated Number</i>	<i>Estimated Percent</i>	<i>Estimated Percent</i>
Total Population	543	42,386	11.4	11.2
Children up to 18 years	402	7,085	7.8	9.8
Adults 18+ years	330	35,381	12.6	11.7



Note: Sampling of each population group was conducted separately. The **estimated** uninsured number was determined by multiplying the **estimated** percent by total population of that group. For example, the total 1998 Stark County **estimated** population of 373,112 was multiplied by 11.4 percent to arrive at the **estimated** total uninsured population.

### CHILDREN ENROLLED IN HEALTHY START/MEDICAID



As of January 2000, the total number of children in Stark County enrolled in HealthyStart/Medicaid was 17,376, representing 56% (Ohio 59%) of all eligible children. Source: PCSAO Factbook 2001-2002

### MEDICAID TOTAL ENROLLEES



The total enrollment in Medicaid during fiscal year 1999 was 44,539 persons--11.9% (Ohio 12.3%) of the total Stark County estimated population of 373,174. Source: Bureau of Health Plan Policy.

### MEDICAID 0-4 YEARS ENROLLEES



Of the estimated 22,919 children 0-4 in Stark County in 1999, 36.9% (8,459) were enrolled in Medicaid (Ohio 35.1%) during State Fiscal Year 1999. Source: Bureau of Health Plan Policy.

# Stark County 2001 Health Assessment

## MEDICAID ELDERLY RECIPIENTS

In 1999, 31.8% (5,327 persons) of the total population 65 years and older were enrolled in Medicaid (Ohio 32.6%). Source: Bureau of Health Plan Policy.

## MEDICAID ENROLLEES WITH DISABILITIES



A total of 12,449 Stark County persons with disabilities were enrolled in Medicaid during State Fiscal Year 1999 for an expenditure of \$170,614,991. Source: Bureau of Health Plan Policy.

## MEDICAID BIRTHS



In State Fiscal Year 1998, there were 68.9% of total Stark County Medicaid births with mothers having one or more risk factors for poor birth outcomes (11.0% for non-Medicaid mothers)--Ohio's corresponding figures are 56.0% and 14.3%. Source: Bureau of Health Plan Policy

## ECONOMIC PROFILE

### EARNINGS, JOBS, PER CAPITA INCOME, UNEMPLOYMENT

#### EARNINGS



Total Aggregate Real Earnings for Stark County from fourth quarter 1999 to fourth quarter 2000 fell by -3.8% (Ohio -3.5%), placing Stark County 38th (37 counties had a higher percent increase in aggregate real earnings) in the State. Transportation and utilities saw a decrease in real aggregate earnings at -11.3%, construction at -9.3% and manufacturing at -8.8%--state & local government was the only area with an increase at 1.8%. Source: Ohio Department of Jobs and Family Services (ODJFS) ES-202 and Council for Economic Opportunities in Greater Cleveland (CEOGC).

#### JOBS



Total employment from fourth quarter 1999 to fourth quarter 2000 increased by 1.2% for Stark County (Ohio 0.1%), ranking it 25th (24 of the 88 Ohio counties having higher employment increases). In total job increase, Stark County was third

# Stark County 2001 Health Assessment

highest at 2,166 (Ohio as a whole was 6,942 job increase).  
Source: ODJFS ES-202 and CEOGC.

## PER CAPITA INCOME

Per capita income in 1990 was \$17,929 and in 1999, \$25,214. Source: Bureau of Economic Analysis.

## ANNUAL UNEMPLOYMENT RATE



Stark County had a 4.1% unemployment rate in 1999 compared with 6.2% in 1990. Ohio's corresponding unemployment rates were 4.3% and 5.6% respectively. PCSAO Factbook 2001-2002

## UNEMPLOYMENT CLAIMS



Stark County had a 48.31% (12,394 claims) increase in unemployment claims for first five months of 2001, ranking it #58 in the State (30 of the 88 counties in Ohio had lower percent increase in unemployment claims). Ohio had an increase of 64.26% for the same period. Source: ODJFS ES-202 and CEOGC

## EDUCATIONAL PROFILE

### GRADUATION, ATTENDANCE, PROFICIENCY TESTS

#### GRADUATION RATE



Stark County's Graduation Rate of 83% for 1999-2000 was higher than Ohio's at 80.7%--however, Stark County's was down from 84.9% in 1998-99 school year. Source: Ohio Department of Education

#### ATTENDANCE RATE



During the 1999-2000 school year, attendance rate was 94.6% (Ohio 93%). Source: Ohio Department of Education

#### FOURTH GRADE PROFICIENCY TESTS

A total of 4,350 Stark County fourth graders took the fourth grade reading proficiency test in March 1998 with 73% passing (Ohio's average was 68%). Under the new 1999 proficiency

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standards, only 51% of Stark County fourth graders would have passed the test. This means 49% (2,216 students) would require reading intervention as set forth by Ohio law. Source: Children's Defense Fund-Ohio.

In Stark County, for the 1999-2000 school year, 32.4% of fourth grade students passed All Proficiency Tests (Ohio 30.9%). Source: Ohio Department of Education

## **NINTH GRADE PROFICIENCY TESTS**



A total of 68.2% of Stark County 9th grade students passed All Proficiency Tests (Ohio 63.1%). Source: Ohio Department of Education

## **TWELFTH GRADE PROFICIENCY TESTS**

For school year 2000/2001, a total of 47.57% Stark County twelfth graders passed the All Proficiency Tests: 76.28% passed the reading; 88.59% writing; 60.85% math; 71.02% citizen; and 71.50% science. Source: Ohio Department of Education

## **CHILD CARE**

### **CHILD CARE PROGRAMS AND PROVIDERS**

#### **DEPARTMENT OF HUMAN SERVICES SPONSORED CHILD CARE PROGRAM**



From June 1 to June 30, 2001, Department of Human Services funded a total unduplicated count of 1,616 children, an increase of 282 children for the same period in 2000. Source: Bureau of Child Care.

#### **CHILD CARE PROVIDERS**

Comparing figures for June 2001 with June 2000, there was an increase in 2001 in the number of children receiving care from Limited PPI providers (Parent Provider Inspected) and fewer from school affiliated providers. Source: Bureau of Child Care.

# Stark County 2001 Health Assessment

## CHILDREN IN CUSTODY, CHILD SUPPORT, ABUSE, NEGLECT

### PATERNITY ESTABLISHED, COLLECTION, ABUSE, NEGLECT, CHILDREN IN CUSTODY

#### PATERNITY ESTABLISHED FOR OUT-OF-WEDLOCK BIRTHS



The year 1999 saw an increase of 209% from 1997 of the number of paternity cases established. Source: PCSAO Factbook 2001-2002

#### PATERNITY SUPPORT COLLECTIONS



In 1999 support collections totaled \$40,016,167 -- a 5% decrease from 1997. Source: PCSAO Factbook 2001-2002

#### CHILDREN IN CUSTODY



The number of children in custody in Stark County as of 1/1/00 was 855: 417 in temporary custody, 297 permanent custody, and 141 in planned permanent living arrangement. The total # of children in custody in the year 1991 was 1,548 with a decrease in 1999 to 1,327. Source: PCSAO 2001-2002 Factbook

#### ABUSE AND NEGLECT



In 1999, new reports of child abuse and neglect in Stark County totaled 3,139, a reduction from approximately 3700 in 1991 (Ohio shows little change in reports from 1991 to 1999). These reports fall within the following five categories: physical abuse 782; neglect 1429, sexual abuse 598, emotional maltreatment 331 and dependency 0. Source: PCSAO 2001-2002 Factbook

# Stark County 2001 Health Assessment

## AFFORDABLE HOUSING



To afford a Fair Market Rent of \$472 a month for a two-bedroom apartment in Stark County, it takes an hourly wage of \$9.08 in a 40 hour week. A total of 44% of renters countywide (Ohio 41%) cannot afford this accommodation. Source: PCSAO Factbook 2001-2002

## HOUSEHOLD TYPE

Total number of households in Stark County in 2000 were 148,316 with an average household size of 2.49 persons. Family households number 102,739 with average family size of 3.00. Female householders with no husband present and children under 18 years total 9,962. A total of 33,149 households were married couple families with children under 18 years old. Number of households with individuals 65 years and over were 16,228. Source: U.S. Census Bureau

## TWO-PARENT HOUSEHOLDS



Thirty seven percent (37%) of households in Stark County have two parents--Ohio 38%. Source: PCSAO Factbook 2001-2002

## CRIME

### CRIME RATE, JUVENILE CRIME/OFFENSES, DRUG/ALCOHOL RELATED

#### CRIME RATE



Stark County showed a decrease in crime, going from 4537 per 100,000 persons in 1990 to 4072 per 100,000 in 1998. (Ohio's corresponding rates were 5083 and 4387). Total crimes in 1998 were 11,932 with a decrease in all categories with the exception of aggravated assault (807 to 952) and forcible rape (121 to 137). Source: Office of Criminal Justice Services

# Stark County 2001 Health Assessment

## JUVENILE SUBSTANCE ABUSE



In 1998, Stark County saw a reduction in the number of youth referred to Juvenile Court for Substance Abuse Offenses: drug offenses decreased from 183 in 1997 to 156 in 1998 and alcohol offenses from 328 to 267. Source: Office of Juvenile Justice and Delinquency Prevention (OJJDP) sponsored report for the Stark County Community.

## JUVENILE CRIME INVOLVING DRUGS OR ALCOHOL



There were approximately 250 juvenile cases closed\* in Stark County in 1998 where the primary offense involved alcohol and approximately 150 cases involving drugs. These were decreases from 1997 which was the highest year since 1994 when the numbers were approximately 150 for alcohol and 75 for drug offenses. Source: OJJDP sponsored report for the Stark County Community.

\*Cases closed=arrested, referred to the court and the court disposed of the matter; includes cases deferred and not formally adjudicated.

## JUVENILE VIOLENT OFFENSES CHILDREN 10-14



In 1998, there were 114 cases closed in Family Court where the offense was one involving threats or harm to another by children 10-14--this was a large increase from 1997.

Source: OJJDP sponsored report for the Stark County Community.

## DELINQUENT JUVENILES



In 1998, there were 2,924 juvenile cases closed in Family Court--this was a decrease from 1997. Source: OJJDP sponsored report for the Stark County Community.

## DELINQUENT AND UNRULY OFFENSES UNDER 12 YEARS OF AGE



In 1998, there were 322 children age 12 and under referred to Court, an increase from 1997. Source: OJJDP sponsored report for the Stark County Community.

# Stark County 2001 Health Assessment



## REPEAT OFFENDERS 10 AND UNDER





In 1998, there were approximately 36 offenders age 10 and under referred to Juvenile Court--this was an increase from approximately 24 offenders in 1997. Source: OJJDP sponsored report for the Stark County Community.

# Stark County 2001 Health Assessment

## STARK COUNTY'S STATUS COMPARING YEAR TO YEAR OR PEER COUNTIES

 <p><b><i>Equal to or better than Prior Year(s) or to Peer Counties (indicated with *)</i></b></p>	 <p><b><i>Needs Attention</i></b></p>
<ul style="list-style-type: none"> <li>• <i>Children in custody</i></li> <li>• <i>Abuse &amp; neglect</i></li> <li>• <i>Homeownership</i></li> <li>• <i>Crime rate</i></li> <li>• <i>Juvenile substance abuse</i></li> <li>• <i>Juvenile crime involving alcohol &amp; drugs</i></li> <li>• <i>Delinquent juveniles</i></li> </ul>	<ul style="list-style-type: none"> <li>• <i>Poverty rate*</i></li> <li>• <i>Poverty rate for children</i></li> <li>• <i>Graduation rate</i></li> <li>• <i>Aggravated assault</i></li> <li>• <i>Forcible rape</i></li> <li>• <i>Juvenile violent offenses</i></li> <li>• <i>Delinquent &amp; unruly offenses under age 12</i></li> <li>• <i>Repeat offenders under 10 years age</i></li> </ul>

## STARK COUNTY'S GENERAL STATUS COMPARED TO OHIO

 <p><b><i>Equal to or better than Ohio</i></b></p>	 <p><b><i>Needs Attention</i></b></p>
<ul style="list-style-type: none"> <li>• <i>Medicaid 0-4 years age enrollees</i></li> <li>• <i>Uninsured rate for children upto 18 years</i></li> <li>• <i>Jobs</i></li> <li>• <i>Annual unemployment rate</i></li> <li>• <i>Unemployment claims</i></li> <li>• <i>Graduation rate</i></li> <li>• <i>School attendance rate</i></li> <li>• <i>Ninth-grade proficiency tests</i></li> <li>• <i>Child care funding</i></li> <li>• <i>Abuse and neglect</i></li> <li>• <i>Paternity cases established</i></li> <li>• <i>Crime rate</i></li> <li>• <i>School attendance rate</i></li> </ul>	<ul style="list-style-type: none"> <li>• <i>Uninsured rates for all population</i></li> <li>• <i>Children enrolled in Healthy Start/Medicaid</i></li> <li>• <i>Medicaid total enrollees</i></li> <li>• <i>Medicaid births</i></li> <li>• <i>Real earnings</i></li> <li>• <i>Child support collections</i></li> <li>• <i>Affordable housing</i></li> <li>• <i>Two-parent households</i></li> <li>• <i>Fourth-grade proficiency tests</i></li> </ul>

# Stark County 2001 Health Assessment

## SURVEYS

On-line interactive survey instruments were used to identify Stark County resources and needs (health, education, social services, dental). These survey tools were provided through COPERNICUS™ a web-based community assessment application. Approximately 550 agency personnel, clients/users, key informants, and public stakeholders participated in this assessment using these on-line survey tools.

For more detailed information, visit the Stark County web site which provides graphs on all needs identified, by group, and a profile of clients completing the needs and dental surveys and a profile of agencies which completed the resource survey. Also provided is resource information completed by 36 agencies in the community.

# Stark County 2001 Health Assessment

## Resource Survey:

The Resource Surveys were completed by a member of an agency providing services to the community. The Resource Survey is a tool to ascertain the resources within a community.

## Needs Survey:

The Needs Surveys were completed by three groups:

*Clients:* a total of 252 clients (users of services provided by agencies) completed the needs survey, identifying health, education and social service needs.

*Public Stakeholders:* a total of 10 Public Stakeholders (members of Stark County community) provided information on what they feel are the health, education and social service needs in the community.

*Key Informants:* a total of 99 Key Informants (informed staff members within an agency) completed surveys on what they feel are the health, education, and social service needs of the community.

## Dental Survey:

The Dental Survey was completed by clients of agencies within the community. The survey tool was used to ascertain the dental status of children and families. They were asked a total of five questions which are listed under the Dental Survey section below.

### CLIENT NEEDS SURVEY

#### HEALTH, WELLNESS AND NUTRITION NEEDS

The greatest Health need identified by clients/users was accessible and affordable health care. The second greatest need was child abuse and the third was HIV/STD.

#### EDUCATION NEEDS

The greatest Educational need identified by clients/users was parenting and life skills. The second greatest need was educational opportunities for at risk children and the third was sex education.

#### SOCIAL SERVICE NEEDS

The greatest Social Service needs as identified by clients/users were health insurance first, unemployment second and homelessness third.

# Stark County 2001 Health Assessment

## KEY INFORMANT NEEDS SURVEY

### HEALTH, WELLNESS AND NUTRITION NEEDS

The greatest Health related needs as identified by key informants were accessible and affordable health care as the first need, affordable medication (all ages) second, and child abuse third.

### EDUCATION NEEDS

The greatest Educational needs as identified by key informants were parenting and life skills first, educational opportunities for at risk kids second, and drug and alcohol awareness third.

### SOCIAL SERVICE NEEDS

The greatest Social Service needs as identified by key informants are health insurance first, affordable and accessible child care second, and awareness of services/resources third.

## PUBLIC STAKEHOLDER NEEDS SURVEY

### HEALTH, WELLNESS AND NUTRITION NEEDS

The greatest Health need as identified by public stakeholders is affordable and accessible health care with affordable medication (all ages) second and weight control third.

### EDUCATION NEEDS

The greatest Educational need as identified by public stakeholders is sex education. Sex education and health education tied as the second greatest need with educational opportunities for at risk kids third.

### SOCIAL SERVICE NEEDS

The greatest Social Service need as identified by public stakeholders is affordable and accessible child care with second place tie of children with disabilities and child care in general, and third place health insurance.

# Stark County 2001 Health Assessment

## DENTAL SURVEY

### 1. VISITS TO DENTIST OR DENTAL CLINIC

A total of 44.36% of clients and 38.52% of their children had visited dentist within past year.

### 2. LOSS OF TEETH DUE TO TOOTH DECAY OR GUM DISEASE

A total of 28.79% of client had teeth removed because of tooth decay or gum disease and 11.28% of clients' children.

### 3. TEETH CLEANED BY A DENTIST OR DENTAL HYGIENIST

A total of 36.58% of clients and 38.52% of their children had their teeth cleaned within the last twelve months.

### 4. REASONS FOR NOT VISITING DENTIST IN THE PAST YEAR

A total of 34.63% of clients and 15.18% of clients' children have not visited a dentist in past year due to cost.

### 5. INSURANCE COVERAGE

A total of 56.81% of client and 51.36% of clients' children had some sort of insurance coverage.

# Stark County 2001 Health Assessment

## RESOURCE SURVEY

### TYPE OF AGENCIES

A total of 31.25% of the resource survey respondents are educational related agencies, 28.13% social service, 21.88% health and wellness. The remaining respondents represented religious, transportation, counseling, child care, youth and collaborative.

### FUNDING SOURCES

Of the responding agencies, 62.50% indicated they receive funding from the State with an equal percent saying they receive funding from "fee for service." A total of 53.13% receive funding from Federal Government, 50% receive from public contributions and 46.88% Local Government, 34.38% from local foundations, 9.38% endowment, 6.25% from national foundations and 3.13% from corporate funding and unrelated business income.

### AGES SERVED

A total of 53.13% of responding agencies serve all ages with 12.50% serving 0-2 year, 25% serve 3-4 year, 21.88% serve 5 year, 25% serve 6-11 year, 21.88% serve 11-18 year, 9.38% serve 19 to 54 year, and 3.13% serve 55 and above.

### SERVICES PROVIDED

Fifty percent of respondents indicated they provide Early Childhood Education. Although most other services were provided by one of the responding agencies, informational and referral services was offered by 28.13% of respondents and case management 25%.

### PROFESSIONALS

The largest percent of professionals working within these agencies: 40.63% educators, 37.50% counselors, 34.38% registered nurse or nurse practitioner, 25% accountant/finance.

# Stark 2001 Client General Profile

Agency Affiliation	Total Respondents	Average Household Size	Average Number Below 18	Client Age Profile by Percent							Gender Profile		Client Racial Profile By Percent					
				Percent of Household Head Age 15-20	Percent of Household Head Age 26-30	Percent of Household Head Age 31-55	Percent of Household Head Age 56-65	Percent of Household Head Age 66-75	Percent of Household Head Age 76-85	Percent of Respondents Female	Percent of Respondents Male	Percent of Respondents White	Percent of Respondents Black	Percent of Respondents Hispanic	Percent of Respondents Native American	Percent of Respondents Asian, Pacific Islanders	Percent of Respondents Other	
Alliance for Woman and Children	2	3.00	2.00	0.00%	0.00%	0.00%	100.00%	0.00%	0.00%	100.00%	0.00%	0.00%	66.67%	33.33%	0.00%	0.00%	0.00%	
Alliance Health Dept. Immunization	5	3.50	1.75	40.00%	0.00%	20.00%	40.00%	0.00%	0.00%	66.67%	33.33%	60.00%	40.00%	0.00%	0.00%	0.00%		
Alliance Health Dept. WIC	1	4.00	1.00	0.00%	0.00%	100.00%	0.00%	0.00%	0.00%	100.00%	0.00%	100.00%	0.00%	0.00%	0.00%	0.00%		
Canton City Health Dept.	10	2.70	1.57	0.00%	0.00%	30.00%	60.00%	10.00%	0.00%	50.00%	50.00%	37.50%	50.00%	12.50%	0.00%	0.00%		
Canton Community Clinic	2	3.00	2.00	0.00%	0.00%	50.00%	50.00%	0.00%	0.00%	100.00%	0.00%	100.00%	0.00%	0.00%	0.00%	0.00%		
Child and Adolescent	14	3.63	1.69	7.14%	0.00%	21.43%	71.43%	0.00%	0.00%	80.00%	20.00%	92.86%	7.14%	0.00%	0.00%	0.00%		
Community Wellness Center	7	6.80	3.25	0.00%	0.00%	14.29%	71.43%	14.29%	0.00%	40.00%	60.00%	16.67%	50.00%	0.00%	0.00%	0.00%	33.33%	
Dept of Jobs and Family Services	18	3.67	1.67	11.11%	5.56%	44.44%	33.33%	0.00%	0.00%	88.89%	11.11%	50.00%	50.00%	0.00%	0.00%	0.00%		
East Gate	19	3.89	1.89	0.00%	10.53%	15.79%	73.68%	0.00%	0.00%	100.00%	0.00%	94.74%	5.26%	0.00%	0.00%	0.00%		
Family Life	20	4.31	2.80	0.00%	20.00%	55.00%	25.00%	0.00%	0.00%	92.31%	7.69%	57.89%	42.11%	0.00%	0.00%	0.00%		
KOBA Client	13	3.73	3.08	0.00%	15.38%	53.85%	23.08%	7.69%	0.00%	92.31%	7.69%	33.33%	58.33%	8.33%	0.00%	0.00%		
Massillon Free Clinic	6		0.67	0.00%	0.00%	33.33%	66.67%	0.00%	0.00%	80.00%	20.00%	100.00%	0.00%	0.00%	0.00%	0.00%		
Massillon Health Dept. WIC	8	4.67	2.50	25.00%	12.50%	25.00%	37.50%	0.00%	0.00%	100.00%	0.00%	87.50%	12.50%	0.00%	0.00%	0.00%		
Planned Parenthood	21	3.59	1.48	38.10%	28.57%	9.52%	23.81%	0.00%	0.00%	100.00%	0.00%	85.71%	14.29%	0.00%	0.00%	0.00%		
Shipley Child Health Clinic	4	5.67	4.00	0.00%	25.00%	25.00%	50.00%	0.00%	0.00%	100.00%	0.00%	75.00%	25.00%	0.00%	0.00%	0.00%		
Stark Co. Health Dept. Child Health	7	3.43	1.67	0.00%	14.29%	42.86%	42.86%	0.00%	0.00%	83.33%	16.67%	100.00%	0.00%	0.00%	0.00%	0.00%		
Stark Co. Health Dept. Dental	6	4.83	3.00	16.67%	0.00%	33.33%	50.00%	0.00%	0.00%	71.43%	28.57%	100.00%	0.00%	0.00%	0.00%	0.00%		
Stark Co. Health Dept. Prenatal	15	3.57	2.07	33.33%	40.00%	13.33%	13.33%	0.00%	0.00%	100.00%	0.00%	85.71%	7.14%	0.00%	0.00%	0.00%	7.14%	
Stark Co. Health Dept. WIC	12	3.33	1.42	16.67%	25.00%	16.67%	25.00%	16.67%	0.00%	72.73%	27.27%	70.00%	30.00%	0.00%	0.00%	0.00%		
YWCA - child care	1	3.00	1.00	0.00%	100.00%	0.00%	0.00%	0.00%	0.00%	100.00%	0.00%	100.00%	0.00%	0.00%	0.00%	0.00%		
YWCA Homeless Shelter	1		1.00	0.00%	0.00%	0.00%	100.00%	0.00%	0.00%	#Num!	#Num!	100.00%	0.00%	0.00%	0.00%	0.00%		
	192	3.91	1.98	11.98%	14.58%	28.65%	41.67%	2.60%	0.00%	87.35%	12.65%	71.74%	25.00%	1.63%	0.00%	0.00%	1.63%	

# Stark 2001 Client Income Profile

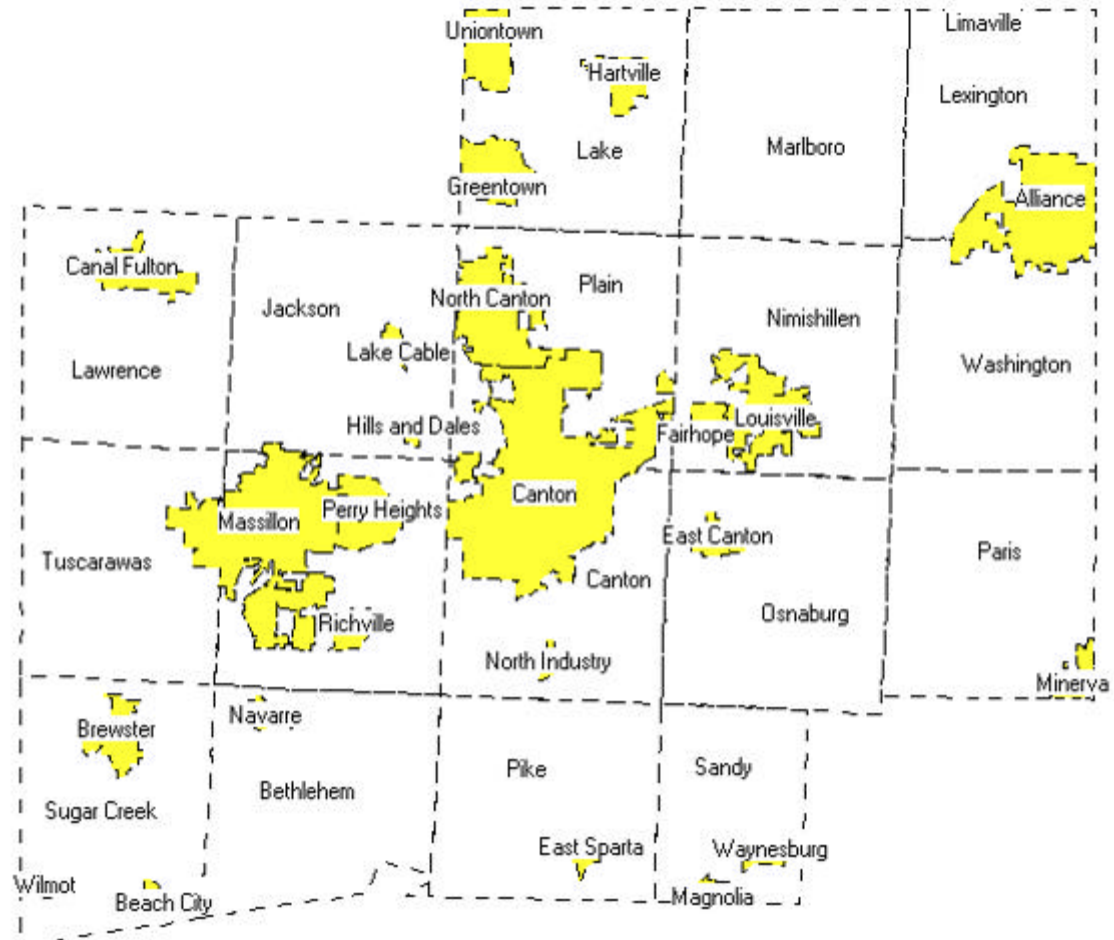
## Client Income Profile by Percent

## Percent of Clients Receiving Income/Benefits From the Following Sources:

Agency Affiliation	Total Respondents	Percentage of Clients With Annual Income Between \$7,500 and \$15,000	Percentage of Clients With Annual Income Between \$16,000 and \$25,000	Percentage of Clients With Annual Income Between \$26,000 and \$35,000	Percentage of Clients With Annual Income Above \$35,000	social security income	alimony or child support	food stamps	disability benefits	supplemental security income	community-based charity	subsidized housing	retirement, VA or Military pension	unemployment compensation	welfare	employment
Alliance for Woman and Children	2	100.00%	0.00%	0.00%	0.00%	0.00%	0.00%	50.00%	0.00%	0.00%	0.00%	16.67%	0.00%	0.00%	50.00%	0.00%
Alliance Health Dept. Immunization	5	25.00%	0.00%	50.00%	25.00%	0.00%	11.11%	11.11%	0.00%	0.00%	0.00%	0.00%	0.00%	11.11	0.00%	55.56%
Alliance Health Dept. WIC	1	no data	no data	no data	no data	33.33%	0.00%	0.00%	33.33%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	33.33%
Canton City Health Dept.	10	0.00%	12.50%	75.00%	12.50%	0.00%	27.78%	5.56%	0.00%	0.00%	0.00%	0.00%	0.00%	22.22	5.88%	38.89%
Canton Community Clinic	2	50.00%	50.00%	0.00%	0.00%	33.33%	33.33%	33.33%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Child and Adolescent	14	11.11%	44.44%	33.33%	11.11%	4.35%	4.35%	17.39%	8.70%	13.04%	0.00%	4.35%	0.00%	0.00%	4.55%	39.13%
Community Wellness Center	7	20.00%	20.00%	20.00%	40.00%	0.00%	0.00%	20.00%	10.00%	0.00%	0.00%	0.00%	0.00%	0.00%	11.11%	60.00%
Dept of Jobs and Family Services	18	26.67%	40.00%	20.00%	13.33%	3.23%	16.13%	25.81%	3.23%	0.00%	0.00%	3.23%	3.23%	0.00%	14.81%	32.26%
East Gate	19	0.00%	11.11%	33.33%	55.56%	8.00%	4.00%	0.00%	4.00%	8.00%	0.00%	0.00%	4.00%	0.00%	0.00%	72.00%
Family Life	20	35.29%	41.18%	23.53%	0.00%	0.00%	3.57%	17.86%	7.14%	3.57%	0.00%	3.57%	3.57%	3.57%	27.27%	32.14%
KOBA Client	13	72.73%	27.27%	0.00%	0.00%	11.76%	11.76%	23.53%	5.88%	0.00%	0.00%	0.00%	0.00%	0.00%	21.43%	29.41%
Massillon Free Clinic	6	60.00%	0.00%	40.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	20.00%	0.00%	0.00%	80.00%
Massillon Health Dept. WIC	8	33.33%	0.00%	66.67%	0.00%	12.50%	0.00%	12.50%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	14.29%	62.50%
Planned Parenthood	21	16.67%	22.22%	55.56%	5.56%	18.18%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	9.09%	4.76%	68.18%
Shipley Child Health Clinic	4	66.67%	0.00%	33.33%	0.00%	25.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	75.00%
Stark Co. Health Dept. Child Health	7	0.00%	20.00%	20.00%	60.00%	0.00%	16.67%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	83.33%
Stark Co. Health Dept. Dental	6	0.00%	20.00%	60.00%	20.00%	10.00%	10.00%	10.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	70.00%
Stark Co. Health Dept. Prenatal	15	40.00%	26.67%	26.67%	6.67%	0.00%	22.22%	11.11%	0.00%	0.00%	0.00%	11.11%	0.00%	0.00%	0.00%	55.56%
Stark Co. Health Dept. WIC	12	25.00%	33.33%	41.67%	0.00%	10.00%	15.00%	20.00%	0.00%	0.00%	0.00%	0.00%	5.00%	10.00	25.00%	20.00%
YWCA - child care	1	0.00%	0.00%	100.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	100.00%
YWCA Homeless Shelter	1	0.00%	0.00%	100.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	100.00%
	192	28.57%	24.68%	35.06%	11.69%	6.97%	10.66%	15.16%	3.69%	2.46%	0.00%	2.46%	2.05%	4.10%	3.73%	51.23%

# Client Respondent Residency Profile

Location	Number of Respondents	Percent of Total
Alliance City	25	13.74%
Navarre Village	3	1.65%
Rural Bethlehem Township	0	0.00%
Canton City	77	42.31%
Rural Canton Township	2	1.10%
Hills and Dales Village	0	0.00%
Rural Jackson Township	3	1.65%
Greentown Village	1	0.55%
Hartville Village	1	0.55%
Uniontown Village	1	0.55%
Rural Lake Township	1	0.55%
Canal Fulton Village	2	1.10%
Rural Lawrence Township	5	2.75%
Limaville Village	0	0.00%
Rural Lexington Township	2	1.10%
Louisville City	7	3.85%
Rural Marlboro Township	0	0.00%
Massillon City	19	10.44%
Nimishillen Township	0	0.00%
East Canton Village	1	0.55%
Rural Osnauburg Township	1	0.55%
Minerva Village	0	0.00%
Rural Paris Township	1	0.55%
Perry Heights	6	3.30%
Rural Perry Township	2	1.10%
East Sparta Village	1	0.55%
Rural Pike Township	0	0.00%
Meyers Lake Village	0	0.00%
North Canton City	6	3.30%
Rural Plain Township	12	6.59%
Magnolia Village	0	0.00%
Waynesburg Village	2	1.10%
Rural Sandy Township	0	0.00%
Beach City Village	0	0.00%
Brewster Village	0	0.00%
Wilmont Village	0	0.00%
Rural Sugar Creek Township	0	0.00%
Tuscarawas Township	1	0.55%
Washington Township	0	0.00%
	182	100%



# Stark County 2001 Health Assessment

## DETAILED BIRTH AND INFANT DEATH DATA

(The following data was obtained from Ohio Department of Health.)

### STARK COUNTY AND OHIO BIRTHS BY RACE AND ORIGIN OF MOTHER AND FATHER

#### TOTAL BIRTHS BY RACE OF MOTHER

*** Data Not Reported	Stark			Ohio
Race	1998	1999		1999
	Percent	Number	Percent	Percent
White	87.4	4,251	88.4	83.0
African American	11.6	506	10.5	14.5
Native American	0.1	5	0.1	0.1
Asian	0.8	39	0.8	1.7
Other Race	0.1	5	0.1	0.1
Unknown Race	0.0	***	0.1	0.5

#### TOTAL BIRTHS BY RACE OF FATHER

*** Data Not Reported	Stark			Ohio
Race	1998	1999		1999
	Percent	Number	Percent	Percent
White	76.2	3,687	76.7	74.4
African American	8.9	440	9.1	10.3
Native American	0.3	***	0.1	0.1
Asian	0.7	41	0.9	1.6
Other Race	0.2	8	0.2	0.1
Unknown Race	13.7	629	13.1	13.5

#### TOTAL BIRTHS BY ORIGIN OF MOTHER

*** Data Not Reported	Stark			Ohio
Origin	1998	1999		1999
	Percent	Number	Percent	Percent
Hispanic	0.9	39	0.8	2.4
Non Hispanic	99.1	4,768	99.1	97.3
Unknown	***	***	0.0	0.4

#### TOTAL BIRTHS BY ORIGIN OF FATHER

	Stark			Ohio
Origin	1998	1999		1999
	Percent	Number	Percent	Percent
Hispanic	1.0	45	0.9	2.2
Non Hispanic	85.3	4,276	88.9	87.6

# Stark County 2001 Health Assessment

## STARK COUNTY AND OHIO AGE, EDUCATION, AND MARITAL STATUS OF MOTHER

### BIRTHS AGE OF MOTHER

Age	Stark			Ohio
	1998	1999		1999
	Percent	Number	Percent	Percent
under 15 years	.2	10	.2	.2
15-19 years	13.5	585	12.2	12.2
20-24 years of age	24.2	1,264	26.3	25.9
25-29 years	30.0	1,374	28.6	28.1
30-34 years	21.7	1,034	21.5	22.0
35-39 years	8.5	474	9.9	9.8
40-44 years	1.8	66	1.4	1.7

### MARITAL STATUS OF MOTHER

*** Data Not Reported	Stark			Ohio
Status	1998	1999		1999
	Percent	Number	Percent	Percent
Married	65.6	3,080	64.0	65.9
Unmarried	34.3	1,729	36.0	34.1
Unknown Status	***	***	***	0.1
Unmarried White	***	***	30.4	27.0
Unmarried African American	***	***	82.0	76.2

### EDUCATIONAL LEVEL OF MOTHER

Education	Stark			Ohio
	1998	1999		1999
	Percent	Number	Percent	Percent
Not High School Grad	16.4	751	15.6	17.4
High School Grad	40.4	1,911	39.7	35.2
College 1-3 years	22.9	1,126	23.4	22.5
College 4 and over	20.3	1,017	21.1	24.2

# Stark County 2001 Health Assessment

## STARK COUNTY AND OHIO PRENATAL CARE

### PRENATAL CARE STARTED

Trimester Care Started	Stark			Ohio
	1998	1999		1999
	Percent	Number	Percent	Percent
First	88.3	4,306	89.5	85.5
Second	9.4	398	8.3	9.7
Third	1.4	57	1.2	1.8
No Care	0.9	30	0.6	1.4
Unknown	0.0	18	0.4	1.7

### PRENATAL CARE SMOKING MOTHERS

*** Data Not Reported				
Trimester Care Started	Stark			Ohio
	1998	1999		1999
	Percent	Number	Percent	Percent
First	81.6	755	80.1	78.3
Second	14.2	141	15.0	15.0
Third	2.4	27	2.9	3.0
No Care	1.7	15	1.6	2.1
Unknown	0.1	***	0.4	1.6

### PRENATAL CARE OF MOTHERS USING ALCOHOL

*** Data Not Reported				
Trimester Care Started	Stark			Ohio
	1998	1999		1999
	Percent	Number	Percent	Percent
First	68.6	36	69.2	70.4
Second	11.8	8	15.4	15.7
Third	5.9	***	5.8	4.7
No Care	11.8	***	5.8	6.4
Unknown	2.0	***	3.8	2.9

### PRENATAL CARE OF MOTHERS UNDER 20

Trimester Care Started	Stark			Ohio
	1998	1999		1999
	Percent	Number	Percent	Percent
First	76.3	451	75.8	72.7
Second	20.6	121	20.3	18.6
Third	2.1	7	1.2	3.6
No Care	0.8	10	1.7	2.3

# Stark County 2001 Health Assessment

## STARK COUNTY AND OHIO LOW BIRTH WEIGHT BABIES (UNDER 2500G)

### MOTHER'S RACE

*** Data Not Reported	Stark			Ohio
Race	1998	1999		1999
	Percent	Number	Percent	Percent
White	82.4	349	80.6	72.7
African American	17.1	81	18.7	24.9
Native American	***	***	***	0.1
Asian	0.3	***	0.2	1.6
Other race	0.3	***	0.2	0.2
Unknown race	***	***	0.2	0.6

### CIGARETTE SMOKING MOTHERS

	Stark			Ohio
Low Birth Weight Babies	1998	1999		1999
	Percent	Number	Percent	Percent
Under 1500g	1.5	17	1.8	1.8
1500-2499g	8.2	117	12.4	10.0

### MOTHERS USING ALCOHOL

*** Data Not Reported	Stark			Ohio
Low Birth Weight Babies	1998	1999		1999
	Percent	Number	Percent	Percent
Under 1500g	***	***	1.9	1.9
1500-2499g	5.9	9	17.3	11.7

### MOTHERS UNDER AGE 20

	Stark			Ohio
Low Birth Weight Babies	1998	1999		1999
	Percent	Number	Percent	Percent
Under 1500g	1.5	15	2.5	2.0
1500-2499g	9.8	69	11.6	8.1

# Stark County 2001 Health Assessment

## STARK COUNTY AND OHIO SMOKING MOTHERS

### MOTHERS BY AGE

Age	Stark			Ohio
	1998	1999		1999
	Percent	Number	Percent	Percent
All Ages	20.6	942	19.6	18.7
Ages 15-19 years	19.0	167	17.8	18.5
Ages 20-24 years	30.4	337	35.8	36.0
Ages 25-29 years	25.5	229	24.3	24.0
Ages 30-34 years	15.9	129	13.7	13.2
Ages 35-39 years	7.2	69	7.3	7.0
Ages 40-44 years	2.0	9	1.0	1.1

### RACE OF MOTHER

*** Data Not Reported				
Race	Stark			Ohio
	1998	1999		1999
	Percent	Number	Percent	Percent
White	90.0	844	89.6	87.2
African American	9.8	93	9.9	11.6
Native American	***	***	0.1	0.4
Asian	0.2	***	0.1	0.4
Other race	***	***	0.2	0.2
Unknown race	***	***	0.1	0.5

### ORIGIN OF MOTHER

*** Data Not Reported				
Origin	Stark			Ohio
	1998	1999		1999
	Percent	Number	Percent	Percent
Hispanic	0.7	9	1.0	1.5
Non Hispanic	99.3	932	98.9	98.1
Unknown	***	***	0.1	0.4

### MOTHERS UNDER AGE 20

*** Data Not Reported				
Status	Stark			Ohio
	1998	1999		1999
	Percent	Number	Percent	Percent
Smoking	28.5	168	28.2	27.9
Non Smoking	71.3	427	71.8	71.5
Unknown	0.2	***	***	0.5

# Stark County 2001 Health Assessment

## MARITAL STATUS AND EDUCATIONAL LEVEL OF MOTHER

Status	Stark			Ohio
	1998	1999		1999
	Percent	Number	Percent	Percent
Married	44.3	382	40.6	41.9
Unmarried	55.7	560	59.4	58.1
Not High School Graduate	33.3	301	32.0	35.3
High School Graduate	48.7	474	50.3	46.0
College 1-3 years	14.8	135	14.3	14.6
College 4 years and over	3.2	30	3.2	3.4

## STARK COUNTY AND OHIO ALCOHOL USE BY MOTHERS

### RACE AND EDUCATIONAL LEVEL OF MOTHER

*** Data Not Reported	Stark			Ohio
Alcohol Use	1998	1999		1999
	Percent	Number	Percent	Percent
All Births	1.1	52	1.1	0.9
White	84.3	43	82.7	73.6
African American	15.7	9	17.3	24.0
Not High School	29.4	15	28.8	26.9
High School Grad	49.0	23	44.2	35.5
College 1-3 years	13.7	10	19.2	19.2
College 4 years and over	7.8	***	7.7	17.0

### MOTHERS UNDER AGE 20

*** Data Not Reported	Stark			Ohio
Status	1998	1999		1999
	Percent	Number	Percent	Percent
Alcohol Use	0.6	5	0.8	0.7
No Alcohol Use	99.2	590	99.2	98.7
Unknown	0.2	***	***	0.5

# Stark County 2001 Health Assessment

## STARK COUNTY AND OHIO TEEN BIRTHS

### TEEN LIVE BIRTHS

Births	Stark			Ohio
	1998	1999		1999
	Percent	Number	Percent	Percent
Total	25.0	595	22.7	23.5
White	21.1	425	18.5	20.8
African American	69.4	164	68.5	45.2

### RACE OF MOTHERS

*** Data Not Reported	Stark			Ohio
Race	1998	1999		1999
	Percent	Number	Percent	Percent
White	74.0	425	71.4	71.4
African American	25.3	164	27.6	26.9
Native American	0.2	***	***	0.2
Asian	0.2	***	0.7	0.6
Other	0.3	***	0.3	0.3

### RACE OF FATHER

*** Data Not Reported	Stark			Ohio
Race	1998	1999		1999
	Percent	Number	Percent	Percent
White	46.4	271	45.5	50.7
African American	15.9	100	16.8	13.8
Native American	0.5	***	***	0.2
Asian	0.5	***	0.5	0.5
Other	0.6	***	***	0.2
Unknown	36.2	221	37.1	34.5

### ORIGIN OF MOTHER AND FATHER

Origin	Stark			Ohio
	1998	1999		1999
	Percent	Number	Percent	Percent
Mother Hispanic	0.9	5	0.8	3.6
Mother Non-Hispanic	99.1	590	99.2	95.6
Father Hispanic	0.8	7	1.2	3.1
Father Non-Hispanic	62.9	421	70.8	69.8
Unknown	36.3	167	28.1	27.0

# Stark County 2001 Health Assessment

## AGE AND EDUCATION OF FATHER

*** Data Not Reported	Stark			Ohio
Status	1998	1999		1999
	Percent	Number	Percent	Percent
15-19 years age	27.5	141	25.4	23.1
20-24 years age	28.1	174	29.2	30.3
25-29 years age	7.2	30	5.0	5.6
30-34 years age	0.8	8	1.3	1.5
35 + years age	0.4	***	0.8	0.9
Not High School	25.2	153	25.7	26.2
High School Grad	32.2	186	31.3	29.0
College 1-3 years	5.2	25	4.2	5.1
College 4 & over	0.9	***	0.7	0.6
Not Stated	36.5	227	38.2	39.1

# Stark County 2001 Health Assessment

## AGE AND EDUCATION OF MOTHER

*** Data Not Reported	Stark			Ohio
Status	1998	1999		1999
	Percent	Number	Percent	Percent
10-14 years age	1.4	10	1.7	1.7
15-17 years age	32.1	192	32.3	31.5
18-19 years age	66.6	393	66.1	66.8
Not High School	60.6	380	63.9	60.1
High School Grad	35.3	198	33.3	34.8
Not Stated	***	***	***	1.0

## MARITAL STATUS OF MOTHER

	Stark			Ohio
Status	1998	1999		1999
	Percent	Number	Percent	Percent
Married	14.5	60	10.1	14.7
Not Married	85.5	535	89.9	85.3
Unknown	4.1	17	2.9	4

## PREVIOUS BIRTHS

*** Data Not Reported	Stark			Ohio
Births	1998	1999		1999
	Percent	Number	Percent	Percent
0 Births	82.4	474	79.7	78.7
1 Birth	15.6	105	17.6	17.3
2 Births	1.5	16	2.7	3.1
3 Births	0.5	***	***	0.4
4 or more Births	***	***	***	0.1
Unknown	***	***	***	0.4

## STARK COUNTY AND OHIO INFANT MORTALITY RATES

### TOTAL INFANT, NEONATAL AND FETAL DEATHS

	Stark			Ohio
Deaths	1998	1999		1999
Rate Per 1,000 live births	Rate	Number	Rate	Percent
Infant Deaths	4.6	37	7.7	8.2
Neonatal Deaths	3.3	26	5.4	5.6
Fetal Deaths (above 20 weeks)	6.7	39	8.0	6.8

# Stark County 2001 Health Assessment

## DETAILED AFRICAN AMERICAN BIRTH DATA

The following data was obtained from Ohio Department of Health. For comparison of County and City data with Ohio see Bar Charts of Vital Events, Ohio and Stark County Vs. Cities 2000-1992, starting on page 61.

### STARK COUNTY AND CITIES AFRICAN AMERICAN BIRTH DATA

#### TOTAL BIRTHS

Location	1998		1999		2000	
Rate per 1,000 population	#	Rate	#	Rate	#	Rate
Stark County	554	22.1	506	18.6	527	19.4
Alliance	44	15.6	46	17.7	44	16.9
Canton	401	26.2	345	20.3	379	22.3
Louisville	0	0.0	0	0.0	0	0.0
Massillon	46	15.1	62	21.1	42	14.3
North Canton	4	51.9	2	10.9	5	27.3

#### LOW BIRTH WEIGHT

Location	1998		1999		2000	
Rate per 1,000 live births	#	Rate	#	Rate	#	Rate
Stark County	67	120.9	81	160.1	72	136.6
Alliance	2	45.5	9	195.7	11	250.0
Canton	57	142.1	50	144.9	47	124.0
Louisville	0	0.0	0	0.0	0	0.0
Massillon	2	43.5	12	193.5	5	119.0
North Canton	0	0.0	0	0.0	1	200.0

#### NO 1ST TRIMESTER PRENATAL CARE

Location	1998		1999		2000	
Rate per 1,000 live births	#	Rate	#	Rate	#	Rate
Stark County	137	247.3	104	205.5	131	248.6
Alliance	14	318.2	14	304.3	15	340.9
Canton	99	246.9	70	202.9	92	242.7
Louisville	0	0.0	0	0.0	0	0.0
Massillon	11	239.1	9	145.2	10	238.1
North Canton	1	250.0	0	0.0	2	400.0

# Stark County 2001 Health Assessment

## BIRTHS TO UNWED MOTHERS

Location	1998		1999		2000	
Percent per 1,000 live births	#	Percent	#	Percent	#	Percent
Stark County	459	828.5	415	820.2	414	785.6
Alliance	35	795.5	39	847.8	36	818.2
Canton	341	850.4	285	826.1	317	836.4
Louisville	0	0.0	0	0.0	0	0.0
Massillon	38	826.1	51	822.6	28	666.7
North Canton	1	250.0	1	500.0	2	400.0

## TOBACCO USE INDICATED

Location	1998		1999		2000	
Percent total live births	#	Percent	#	Percent	#	Percent
Stark County	97	17.5	93	18.4	95	18.0
Alliance	11	25.0	10	21.7	8	18.2
Canton	72	18.0	62	18.0	69	18.2
Louisville	0	0.0	0	0.0	0	0.0
Massillon	9	19.6	17	27.4	11	26.2
North Canton	1	25.0	1	50.0	1	20.0

## ONE OR MORE PREVIOUS LIVE BIRTHS

Location	1998		1999		2000	
Percent total live births	#	Percent	#	Percent	#	Percent
Stark County	361	65.2	306	60.5	363	68.9
Alliance	29	65.9	28	60.9	32	72.7
Canton	265	66.0	210	68.7	263	693.9
Louisville	0	0.0	0	0.0	0	0.0
Massillon	31	67.4	36	58.1	30	71.4
North Canton	4	100.0	2	100.0	3	60.0

# Stark County 2001 Health Assessment

## 12TH GRADE EDUCATION NOT COMPLETED

Location	1998		1999		2000	
Percent total live births	#	Percent	#	Percent	#	Percent
Stark County	176	31.8	164	32.4	146	27.7
Alliance	14	31.8	8	17.4	8	18.2
Canton	139	34.7	114	33.0	115	30.3
Louisville	0	0.0	0	0.0	0	0.0
Massillon	10	21.7	17	27.4	13	31.0
North Canton	0	0.0	0	0.0	1	20.0

## STARK COUNTY AND CITIES TEEN BIRTH DATA

### TEEN BIRTHS

Location	1998		1999		2000	
Rate per 1,000 population	#	Rate	#	Rate	#	Rate
Stark County	166	69.4	164	68.5	120	50.1
Alliance	12	40.1	12	52.9	8	35.2
Canton	126	94.1	113	71.0	99	62.2
Louisville	0	0.0	0	0.0	0	0.0
Massillon	12	45.8	17	79.4	6	28.0
North Canton	0	0.0	0	0.0	1	142.9

### LOW BIRTH WEIGHT

Location	1998		1999		2000	
Rate per 1,000 teen births	#	Rate	#	Rate	#	Rate
Stark County	22	132.5	32	195.1	15	125.0
Alliance	1	83.3	4	333.3	3	375.0
Canton	18	142.9	22	194.7	11	111.1
Louisville	0	0.0	0	0.0	0	0.0
Massillon	1	83.3	3	176.5	0	0.0
North Canton	0	0.0	0	0.0	0	0.0

# Stark County 2001 Health Assessment

## NO 1ST TRIMESTER PRENATAL CARE

Location	1998		1999		2000	
Rate per 1,000 teen births	#	Rate	#	Rate	#	Rate
Stark County	43	259.0	48	292.7	43	358.3
Alliance	4	333.3	4	333.3	3	375.0
Canton	35	277.8	32	283.2	22	222.2
Louisville	0	0.0	0	0.0	0	0.0
Massillon	1	83.3	6	352.9	5	833.3
North Canton	0	0.0	0	0.0	1	1000.0

## BIRTHS TO UNWED MOTHERS

Location	1998		1999		2000	
Rate per 1,000 teen births	#	Rate	#	Rate	#	Rate
Stark County	163	981.9	159	969.5	117	975.0
Alliance	12	1000.0	12	1000.0	8	1000.0
Canton	124	984.1	111	982.3	97	979.8
Louisville	0	0.0	0	0.0	0	0.0
Massillon	12	1000.0	17	1000.0	6	1000.0
North Canton	0	0.0	0	0.0	1	1000.0

## TOBACCO USE INDICATED

Location	1998		1999		2000	
Percent total teen births	#	Percent	#	Percent	#	Percent
Stark County	20	12.0	21	12.8	16	13.3
Alliance	1	8.3	3	25.0	1	12.5
Canton	15	11.9	13	11.5	12	12.1
Louisville	0	0.0	0	0.0	0	0.0
Massillon	4	33.3	5	29.4	1	16.7
North Canton	0	0.0	0	0.0	0	0.0

# Stark County 2001 Health Assessment

## ONE/MORE PREVIOUS LIVE BIRTHS

Location	1998		1999		2000	
	#	Percent	#	Percent	#	Percent
Stark County	43	25.9	39	23.8	40	33.3
Alliance	2	16.7	2	16.7	1	12.5
Canton	36	28.6	31	27.4	36	36.4
Louisville	0	0.0	0	0.0	0	0.0
Massillon	2	16.7	1	5.9	1	16.7
North Canton	0	0.0	0	0.0	0	0.0

## 12TH GRADE EDUCATION NOT COMPLETED

Location	1998		1999		2000	
	#	Percent	#	Percent	#	Percent
Stark County	119	71.7	120	73.2	84	70.0
Alliance	8	66.7	8	66.7	4	50.0
Canton	94	74.6	80	70.8	69	69.7
Louisville	0	0.0	0	0.0	0	0.0
Massillon	7	58.3	14	82.4	6	100.0
North Canton	0	0.0	0	0.0	0	0.0

## STARK COUNTY AND CITIES INFANT MORTALITY RATES

### INFANT DEATHS

Location	1998		1999		2000	
	#	Rate	#	Rate	#	Rate
Stark County	3	5.4	8	15.8	***	***
Alliance	0	0.0	0	0.0	***	***
Canton	1	2.5	7	20.3	***	***
Louisville	1	***	1	***	***	***
Massillon	1	21.7	0	0.0	***	***
North Canton	0	0.0	0	0.0	***	***

\*\*\*Data Not Reported

# Stark County 2001 Health Assessment

## NEONATAL DEATHS

Location	1998		1999		2000	
Rate per 1,000 live births	#	Rate	#	Rate	#	Rate
Stark County	2	3.6	4	7.9	***	***
Alliance	0	0.0	0	0.0	***	***
Canton	1	2.5	4	11.6	***	***
Louisville	0	0.0	0	0.0	***	***
Massillon	1	21.7	0	0.0	***	***
North Canton	0	0.0	0	0.0	***	***

\*\*\*Data Not Reported

## FETAL DEATHS

Location	1998		1999		2000	
Rate per 1,000 live births	#	Rate	#	Rate	#	Rate
Stark County	9	16.2	5	9.8	***	***
Alliance	2	43.5	1	21.3	***	***
Canton	6	14.7	2	5.8	***	***
Louisville	0	0.0	0	0.0	***	***
Massillon	1	21.3	1	15.9	***	***
North Canton	0	0.0	0	0.0	***	***

\*\*\*Data Not Reported

## DETAILED WHITE BIRTH DATA

(The following data obtained from Ohio Department of Health.)

### STARK COUNTY AND CITIES WHITE BIRTH DATA

#### TOTAL BIRTHS

Location	1998		1999		2000	
Rate per 1,000 population	#	Rate	#	Rate	#	Rate
Stark County	4184	12.3	4251	12.5	4341	12.71
Alliance	289	14.2	297	14.9	298	15.0
Canton	1017	15.0	1026	17.1	1055	17.5
Louisville	98	12.2	117	13.3	105	12.0
Massillon	397	14.3	457	16.5	429	15.5
North Canton	222	15.3	196	12.4	234	14.7

# Stark County 2001 Health Assessment

## LOW BIRTH WEIGHT

Location	1998		1999		2000	
Rate per 1,000 live births	#	Rate	#	Rate	#	Rate
Stark County	322	77.0	349	82.1	304	70.0
Alliance	18	62.3	22	74.1	28	94.0
Canton	98	96.4	115	112.1	99	93.8
Louisville	6	61.2	12	102.6	6	85.7
Massillon	36	90.7	39	85.3	30	69.9
North Canton	14	63.1	17	86.7	18	76.9

## NO 1ST TRIMESTER PRENATAL CARE

Location	1998		1999		2000	
Rate per 1,000 live births	#	Rate	#	Rate	#	Rate
Stark County	414	98.9	381	89.6	374	86.2
Alliance	56	193.8	48	161.6	38	127.5
Canton	136	133.7	123	119.9	127	120.4
Louisville	4	40.8	7	59.8	5	47.6
Massillon	46	115.9	45	98.5	58	135.2
North Canton	14	63.1	10	51.0	6	25.6

# Stark County 2001 Health Assessment

## BIRTHS TO UNWED MOTHERS

Location	1998		1999		2000	
Rate per 1,000 live births	#	Rate	#	Rate	#	Rate
Stark County	1176	281.1	1296	304.9	1313	302.5
Alliance	109	377.2	138	464.6	128	429.5
Canton	440	432.6	485	472.7	476	451.2
Louisville	26	265.3	20	170.9	24	228.6
Massillon	163	410.6	137	299.8	156	363.6
North Canton	35	157.7	34	173.5	39	166.7

## TOBACCO USE INDICATED

Location	1998		1999		2000	
Percent total live births	#	Percent	#	Percent	#	Percent
Stark County	889	21.2	844	19.9	910	21.0
Alliance	101	34.9	90	30.3	75	25.2
Canton	311	30.6	274	26.7	324	30.7
Louisville	19	19.4	15	12.8	20	19.0
Massillon	104	26.2	105	23.0	117	27.3
North Canton	27	12.2	23	11.7	28	12.0

## ONE OR MORE PREVIOUS LIVE BIRTHS

Location	1998		1999		2000	
Percent total live births	#	Percent	#	Percent	#	Percent
Stark County	2521	60.3	2594	61.0	2626	60.5
Alliance	172	59.5	168	56.6	184	61.7
Canton	634	62.3	625	60.9	626	59.3
Louisville	61	62.2	78	66.7	65	61.9
Massillon	225	56.7	254	55.6	241	56.2
North Canton	119	53.6	105	53.6	129	55.1

# Stark County 2001 Health Assessment

## 12TH GRADE EDUCATION NOT COMPLETED

Location	1998		1999		2000	
Percent total live births	#	Rate	#	Rate	#	Rate
Stark County	601	14.4	579	13.6	614	14.1
Alliance	63	21.8	72	24.2	69	23.2
Canton	254	25.0	248	24.2	267	25.3
Louisville	9	9.2	11	9.4	6	5.7
Massillon	69	17.4	48	10.5	82	19.1
North Canton	10	4.5	9	4.6	9	3.8

## STARK COUNTY AND CITIES TEEN BIRTH DATA

### TOTAL BIRTHS

Location	1998		1999		2000	
Rate per 1,000 population	#	Rate	#	Rate	#	Rate
Stark County	166	69.4	164	68.5	120	50.1
Alliance	12	40.1	12	52.9	8	35.2
Canton	126	94.1	113	71.0	99	62.2
Louisville	0	0.0	0	0.0	0	0.0
Massillon	12	45.8	17	79.4	6	28.0
North Canton	0	0.0	0	0.0	1	142.9

### LOW BIRTH WEIGHT

Location	1998		1999		2000	
Rate per 1,000 teen births	#	Rate	#	Rate	#	Rate
Stark County	22	132.5	32	195.1	15	125.0
Alliance	1	83.3	4	333.3	3	375.0
Canton	18	142.9	22	194.7	11	111.1
Louisville	0	0.0	0	0.0	0	0.0
Massillon	1	83.3	3	176.5	0	0.0
North Canton	0	0.0	0	0.0	0	0.0

# Stark County 2001 Health Assessment

## NO 1ST TRIMESTER PRENATAL CARE

Location	1998		1999		2000	
Rate per 1,000 teen births	#	Rate	#	Rate	#	Rate
Stark County	43	259.0	48	292.7	43	358.3
Alliance	4	333.3	4	333.3	3	375.0
Canton	35	277.8	32	283.2	22	222.2
Louisville	0	0.0	0	0.0	0	0.0
Massillon	1	83.3	6	352.9	5	833.3
North Canton	0	0.0	0	0.0	1	1000.0

## **BIRTHS TO UNWED MOTHERS**

Location	1998		1999		2000	
Rate per 1,000 teen births	#	Rate	#	Rate	#	Rate
Stark County	163	981.9	159	969.5	117	975.0
Alliance	12	1000.0	12	1000.0	8	1000.0
Canton	124	984.1	111	982.3	97	979.8
Louisville	0	0.0	0	0.0	0	0.0
Massillon	12	1000.0	17	1000.0	6	1000.0
North Canton	0	0.0	0	0.0	1	1000.0

## **TOBACCO USE INDICATED**

Location	1998		1999		2000	
Percent total teen births	#	Percent	#	Percent	#	Percent
Stark County	20	12.0	21	12.8	16	13.3
Alliance	1	8.3	3	25.0	1	12.5
Canton	15	11.9	13	11.5	12	12.1
Louisville	0	0.0	0	0.0	0	0.0
Massillon	4	33.3	5	29.4	1	16.7
North Canton	0	0.0	0	0.0	0	0.0

# Stark County 2001 Health Assessment

## ONE/MORE PREVIOUS LIVE BIRTHS

Location	1998		1999		2000	
Percent total teen births	#	Percent	#	Percent	#	Percent
Stark County	43	25.9	39	23.8	40	33.3
Alliance	2	16.7	2	16.7	1	12.5
Canton	36	28.6	31	27.4	36	36.4
Louisville	0	0.0	0	0.0	0	0.0
Massillon	2	16.7	1	5.9	1	16.7
North Canton	0	0.0	0	0.0	0	0.0

## 12TH GRADE EDUCATION NOT COMPLETED

Location	1998		1999		2000	
Percent total teen births	#	Percent	#	Percent	#	Percent
Stark County	119	71.7	120	73.2	84	70.0
Alliance	8	66.7	8	66.7	4	50.0
Canton	94	74.6	80	70.8	69	69.7
Louisville	0	0.0	0	0.0	0	0.0
Massillon	7	58.3	14	82.4	6	100.0
North Canton	0	0.0	0	0.0	0	0.0

## STARK COUNTY AND CITIES INFANT MORTALITY RATES

### INFANT DEATHS

Location	1998		1999		2000	
Rate per 1,000 live births	#	Rate	#	Rate	#	Rate
Stark County	3	5.4	8	15.8	***	***
Alliance	0	0.0	0	0.0	***	***
Canton	1	2.5	7	20.3	***	***
Louisville	1	***	1	***	***	***
Massillon	1	21.7	0	0.0	***	***
North Canton	0	0.0	0	0.0	***	***

\*\*\*Data Not Reported

# Stark County 2001 Health Assessment

## NEONATAL DEATHS

Location	1998		1999		2000	
Rate per 1,000 live births	#	Rate	#	Rate	#	Rate
Stark County	2	3.6	4	7.9	***	***
Alliance	0	0.0	0	0.0	***	***
Canton	1	2.5	4	11.6	***	***
Louisville	0	0.0	0	0.0	***	***
Massillon	1	21.7	0	0.0	***	***
North Canton	0	0.0	0	0.0	***	***

\*\*\*Data Not Reported

## FETAL DEATHS

Location	1998		1999		2000	
Rate per 1,000 live births	#	Rate	#	Rate	#	Rate
Stark County	9	16.2	5	9.8	***	***
Alliance	2	43.5	1	21.3	***	***
Canton	6	14.7	2	5.8	***	***
Louisville	0	0.0	0	0.0	***	***
Massillon	1	21.3	1	15.9	***	***
North Canton	0	0.0	0	0.0	***	***

\*\*\*Data Not Reported

# Stark County 2001 Health Assessment

## DETAILED DEATH DATA

(The following data was obtained from Ohio Department of Health.)

### STARK COUNTY AND OHIO DEATHS BY CAUSE, RACE, ORIGIN AND GENDER

#### DEATHS ALL RESIDENTS BY CAUSE

Cause	Stark			Ohio
	1997	1998		1998
	Percent	Number	Percent	Percent
Heart Disease	33.0	1,169	31.5	31.9
Cancer	21.7	843	22.7	23.9
Stroke	8.1	297	8.0	7.2
Pulmonary (COPD)	5.6	195	5.2	5.2
Diabetes	4.0	117	3.1	3.4
Other	27.6	1,095	29.5	28.3

#### DEATHS ALL RESIDENTS BY RACE

***Data Not Reported	Stark			Ohio
Race	1997	1998		1998
	Percent	Number	Percent	Percent
White	93.9	3,474	93.5	89.2
African American	6.0	235	6.3	10.5
Native American	0.1	2	0.1	0.0
Asian	0.0	4	0.1	0.2
Other	***	1	0.0	0.0
Unknown	0.0	***	***	0.1

#### DEATHS BY CAUSE WHITE RACE

Cause	Stark			Ohio
	1997	1998		1998
	Percent	Number	Percent	Percent
Heart Disease	33.0	1169	31.5	31.9
Cancer	21.7	843	22.7	23.9
Stroke	8.1	297	8.0	7.2
Pulmonary (COPD)	5.6	195	5.2	5.2
Diabetes	4.0	117	3.1	3.4
Other	27.6	1095	29.5	28.3

# Stark County 2001 Health Assessment

## DEATHS BY CAUSE AFRICAN AMERICAN RACE

Cause	Stark			Ohio
	1997	1998		1998
	Percent	Number	Percent	Percent
Heart Disease	25.4	66	28.1	29.3
Cancer	21.6	53	22.6	24.1
Stroke	7.3	26	11.1	7.2
Pulmonary (COPD)	1.7	12	5.1	3.3
Diabetes	6.5	10	4.3	4.7
Other	37.5	68	28.9	31.4

## DEATHS BY CAUSE HISPANIC ORIGIN

***Data Not Reported				
Cause	Stark			Ohio
	1997	1998		1998
	Percent	Number	Percent	Percent
Heart Disease	33.3	4	23.5	27.3
Cancer	25.0	5	29.4	21.2
Stroke	16.7	2	11.8	5.8
Pulmonary (COPD)	8.3	2	11.8	3.7
Diabetes	***	1	5.9	5.9
Other	16.7	3	17.6	36.0

## DEATHS BY MALE RACE

***Data Not Reported				
Race	Stark			Ohio
	1997	1998		1998
	Percent	Number	Percent	Percent
White	93.6	1,673	92.6	88.5
African American	6.3	130	7.2	11.1
Native American	***	1	0.1	0.1
Asian	0.1	2	0.1	0.2
Other/Unknown	0.1	1	0.1	0.1

# Stark County 2001 Health Assessment

## DEATHS BY FEMALE RACE

***Data Not Reported	Stark			Ohio
Race	1997	1998		1998
	Percent	Number	Percent	Percent
White	94.1	1,801	94.3	89.7
African American	5.8	105	5.5	10.0
Native American	0.1	1	0.1	0.0
Asian	***	2	0.1	0.2
Other/Unknown	***	***	***	0.1

## DEATHS BY AFRICAN AMERICAN RACE AND GENDER

	Stark			Ohio
Gender	1997	1998		1998
	Percent	Number	Percent	Percent
Male	49.1	130	55.3	50.5
Female	50.9	105	44.7	49.5

## DEATHS BY WHITE RACE AND GENDER

	Stark			Ohio
Gender	1997	1998		1998
	Percent	Number	Percent	Percent
Male	47.3	1,673	48.2	47.7
Female	52.7	1,801	51.8	52.3

## DEATHS BY HISPANIC ORIGIN AND GENDER

	Stark			Ohio
Gender	1997	1998		1998
	Percent	Number	Percent	Percent
Male	41.7	11	64.7	60.5
Female	58.3	6	35.3	39.5

## DEATH BY CAUSE MALE POPULATION

	Stark			Ohio
Cause	1997	1998		1998
	Percent	Number	Percent	Percent
Heart Disease	31.8	572	31.7	31.9
Cancer	23.6	429	23.7	25.6
Stroke	6.5	114	6.3	5.7
Pulmonary (COPD)	5.4	89	4.9	5.5
Diabetes	3.9	57	3.2	3.1

# Stark County 2001 Health Assessment

## DEATHS BY CAUSE FEMALE POPULATION

Cause	Stark			Ohio
	1997	1998		1998
	Percent	Number	Percent	Percent
Heart Disease	34.1	597	31.3	32.0
Cancer	20.0	414	21.7	22.4
Stroke	9.6	183	9.6	8.6
Pulmonary (COPD)	5.8	106	5.6	5.0
Diabetes	4.1	60	3.1	3.7
Other	26.4	549	28.8	28.4

## STARK COUNTY AND OHIO DEATHS BY AGE GROUP AND RACE

### DEATHS BY AGE

Age	Stark			Ohio
	1997	1998		1998
	Percent	Number	Percent	Percent
0-4 year	1.0	22	0.6	1.1
1-4 years	0.1	5	0.1	0.2
5-9 years	0.1	3	0.1	0.1
10-14 years	0.1	7	0.2	0.2
15-19 years	0.3	17	0.5	0.5
20-24 years	0.5	15	0.4	0.5
25-29 years	0.7	14	0.4	0.6
30-34 years	0.5	32	0.9	0.8
35-39 years	1.2	39	1.0	1.3
40-44 years	1.4	60	1.6	1.9
45-49 years	1.7	72	1.9	2.5
50-54 years	3.0	109	2.9	3.1
55-59 years	3.6	133	3.6	4.2
60-64 years	5.0	206	5.4	5.7
65-69 years	8.8	316	8.5	8.4
70-74 years	12.9	460	12.4	12.3
75-84 years	31.9	1,161	31.2	30.7
85+ years	27.1	1,049	28.2	25.9

# Stark County 2001 Health Assessment

## DEATHS BY AGE AFRICAN AMERICAN RACE

***Data Not Reported	Stark			Ohio
Age	1997	1998		1998
	Percent	Number	Percent	Percent
0-1 year	3.9	3	1.3	2.9
1-4 years	0.4	1	0.4	0.4
5-9 years	***	***	***	***
10-14 years	***	1	0.4	0.2
15-19 years	0.9	1	0.4	0.9
20-24 years	1.7	2	0.9	1.2
25-29 years	1.3	3	1.3	1.2
30-34 years	0.9	3	1.3	1.6
35-39 years	3.9	1	0.4	2.2
40-44 years	1.3	10	4.3	3.5
45-49 years	3.4	8	3.4	4.7
50-54 years	3.0	14	6.0	5.0
55-59 years	6.9	17	7.2	6.0
60-64 years	6.0	19	8.1	7.7
65-69 years	4.7	23	9.8	10.3
70-74 years	12.9	37	15.7	12.2
75-84 years	29.7	57	24.3	23.6
85+ years	19.0	35	14.9	16.0

# Stark County 2001 Health Assessment

## DEATHS BY AGE WHITE RACE

Age	Stark			Ohio
	1997	1998		1998
	Percent	Number	Percent	Percent
0-1 year	0.7	19	0.5	0.9
0-1 year	0.7	19	0.5	0.9
1-4 years	0.0	4	0.1	0.2
5-9 years	0.1	3	0.1	0.1
10-14 years	0.1	6	0.2	0.1
15-19 years	0.2	15	0.4	0.4
20-24 years	0.5	13	0.4	0.4
25-29 years	0.6	11	0.3	0.5
30-34 years	0.5	28	0.8	0.7
35-39 years	1.1	38	1.1	1.2
40-44 years	1.4	50	1.4	1.7
45-49 years	1.6	63	1.8	2.3
50-54 years	3.0	95	2.7	2.9
55-59 years	3.4	116	3.3	3.9
60-64 years	4.9	182	5.2	5.5
65-69 years	9.1	293	8.4	8.2
70-74 years	12.9	423	12.2	12.3
75-84 years	32.1	1,101	31.7	31.6
85+ years	27.7	1,014	29.2	27.1

# Stark County 2001 Health Assessment

## DEATHS BY AGE HISPANIC ORIGIN

***Data Not Reported	Stark			Ohio
Age	1997	1998		1998
	Percent	Number	Percent	Percent
0-1 year	***	***	***	6.2
0-1 year	***	***	***	6.2
1-4 years	***	***	***	1.1
5-9 years	***	***	***	0.3
10-14 years	***	***	***	0.5
15-19 years	***	***	***	0.8
20-24 years	***	***	***	2.8
25-29 years	***	***	***	1.9
30-34 years	***	***	***	2.2
35-39 years	***	***	***	3.1
40-44 years	***	***	***	4.1
45-49 years	***	1	5.9	3.3
50-54 years	***	1	5.9	5.1
55-59 years	16.7	1	5.9	4.5
60-64 years	***	1	5.9	5.6
65-69 years	8.3	1	5.9	11.4
70-74 years	8.3	***	***	11.1
75-84 years	25.0	7	41.2	19.8
85+ years	41.7	5	29.4	16.2

# Stark County 2001 Health Assessment

## STARK COUNTY AND OHIO DEATHS FOR ALL AND SELECTED CANCERS BY RACE AND GENDER

### ALL CANCERS BY GENDER AND RACE

Gender or Race	Stark		Ohio	
	1993-95	1996-98	1993-95	1996-98
Rates per 100,000 population	Rate	Rate	Rate	Rate
All Males	283.7	253.9	289.6	276.4
All Females	182.8	166.9	186.7	184.2
All African Americans	276.5	250.6	289.8	284.0
African American Male	328.3	313.9	393.9	371.2
African American Female	236.4	216.6	222.6	227.2
White Males	281.3	251.9	281.5	268.9
White Females	179.5	164.8	183.8	180.8

Note:Age Adjusted 2000 Standard

# Stark County 2001 Health Assessment

## SELECTED CANCERS FEMALE POPULATION

***Data Not Reported	Stark		Ohio
Cancer Type	1998		1998
Rates per 100,000 population	Rate	Number	Rate
Oral Cavity and Pharynx	2.9	9	5.3
Esophagus	2.2	8	1.8
Pancreas	8.3	27	7.0
Larynx	***	4	2.0
Lung and Bronchus	34.2	100	49.2
Cervix	7.9	20	7.8
Corpus Uterus	27.4	72	24.5
Bladder	10.5	34	7.9
Kidney and Renal Pelvis	3.8	11	7.2
Thyroid	6.6	16	6.4
Hodgkin's Lymphoma	***	4	2.5

## SELECTED CANCERS MALE POPULATION

***Data Not Reported	Stark		Ohio
Cancer Type	1998		1998
Rates per 100,000 population	Rate	Number	Rate
Oral Cavity and Pharynx	13.5	29	12.2
Esophagus	6.9	15	7.5
Pancreas	13.0	30	9.5
Larynx	8.3	17	6.9
Lung and Bronchus	83.5	187	86.9
Bladder	34.3	77	31.9
Kidney and Renal Pelvis	13.8	30	12.8
Thyroid	***	2	2.3
Hodgkin's Lymphoma	4.3	8	2.8

# Stark County 2001 Health Assessment

## BREAST CANCER ALL RESIDENTS

Age	Stark		Ohio	
	1993-95	1996-98	1993-95	1996-98
Age Specific Rates per 100,000 population	Rate	Rate	Rate	Rate
All	21.2*	14.3*	19.6*	18.0*
35-44 years	9.3	6.5	7.9	7.2
45-54 years	21.4	14.3	21.2	19.6
55-64 years	49.5	32.7	41.1	36.2
65-74 years	58.9	49.0	64.1	60.1
75-84 years	118.6	69.2	105.1	94.7
85+ years	191.5	131.2	173.1	172.1

Note: \*Age Adjusted 2000 Standard

## STARK COUNTY AND OHIO SUICIDE AND HOMICIDE DEATHS BY AGE GROUP

### SUICIDES DEATH BY AGE GROUP

***Data Not Reported	Stark			Ohio
Age	1997	1998		1998
	Percent	Number	Percent	Percent
10-14 years	***	3	5.5	1.8
15-19 years	2.9	5	9.1	6.2
20-24 years	2.9	2	3.6	6.2
25-29 years	14.7	2	3.6	8.1
30-34 years	11.8	4	7.3	8.4
35-39 years	5.9	5	9.1	10.8
40-44 years	14.7	5	9.1	10.7
45-49 years	2.9	6	10.9	8.7
50-54 years	8.8	5	9.1	7.7
55-59 years	11.8	5	9.1	4.7
60-64 years	2.9	1	1.8	5.6
65-69 years	***	***	***	4.5
70-74 years	2.9	3	5.5	4.4
75-84 years	14.7	6	10.9	8.5
85+	2.9	3	5.5	3.6

# Stark County 2001 Health Assessment

## HOMICIDE DEATHS BY AGE GROUP

***Data Not Reported	Stark			Ohio
Age	1997	1998		1998
	Percent	Number	Percent	Percent
Less than 1 year	***	***	***	3.4
1-4 years	***	1	4.8	3.1
5-9 years	***	***	***	1.1
10-14 years	***	1	4.8	1.9
15-19 years	14.3	1	4.8	11.5
20-24 years	42.9	2	9.5	16.1
25-29 years	14.3	1	4.8	11.5
30-34 years	14.3	4	19.0	9.9
35-39 years	***	4	19.0	11.7
40-44 years	***	3	14.3	10.1
45-49 years	***	3	14.3	5.9
50-54 years	***	***	***	3.8
55-59 years	***	***	***	4.0
60-64 years	***	***	***	1.1
65-69 years	***	***	***	1.3
70-74 years	***	***	***	0.8
75-84 years	14.3	1	4.8	2.3
85+	***	***	***	0.4

## STARK COUNTY AND OHIO TEEN DEATHS AND UNDER ONE YEAR

### TEEN DEATHS BY AGE GROUP AND RACE

***Data Not Reported	Stark			Ohio
Age	1997	1998		1998
	Percent	Number	Percent	Percent
10-14 years age	16.7	7	29.2	25.4
15-19 years age	83.3	17	70.8	74.6
White	83.3	21	87.5	80.1
African American	16.7	2	8.3	18.8
Native American	***	***	***	***
Asian	***	***	***	***
Other	***	1	4.2	0.2
Unknown	***	***	***	0.2

# Stark County 2001 Health Assessment

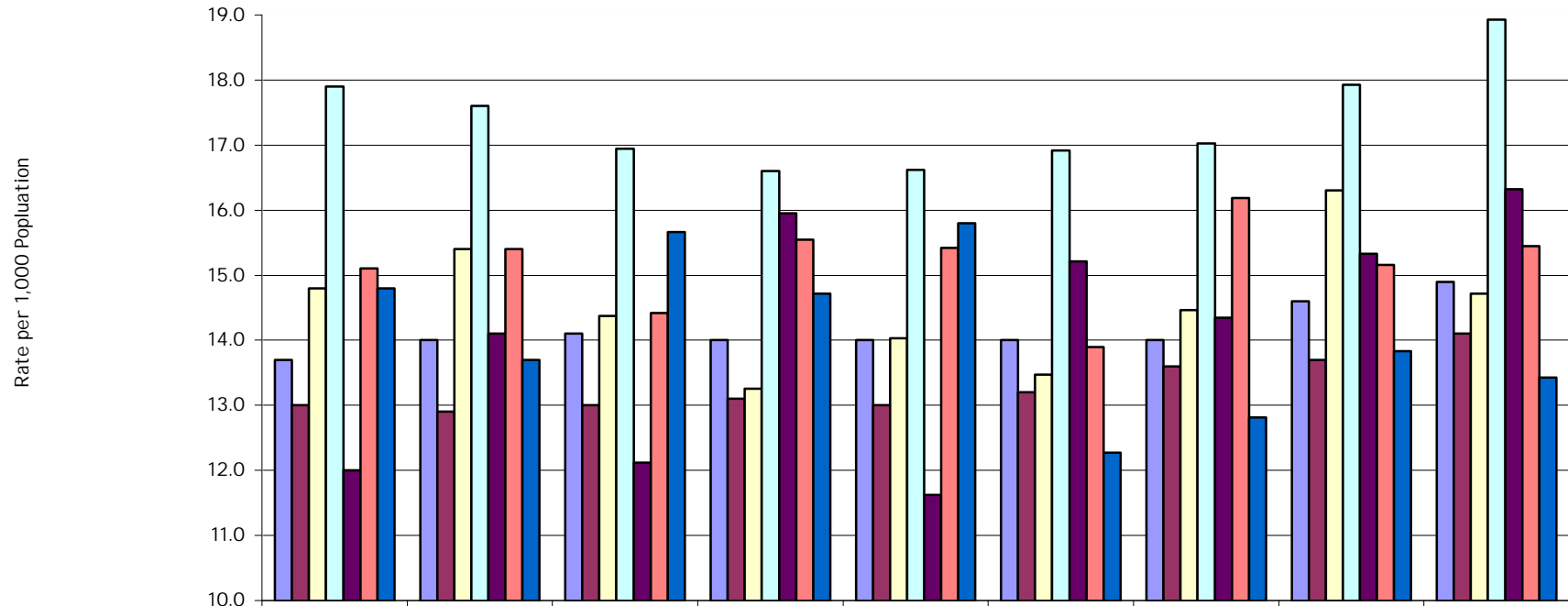
## TEEN DEATHS BY GENDER

Gender	Stark			Ohio
	1997	1998		1998
	Percent	Number	Percent	Percent
Male	83.3	18	75.0	67.7
Female	16.7	6	25.0	32.3

## UNDER ONE YEAR DEATHS BY CAUSE

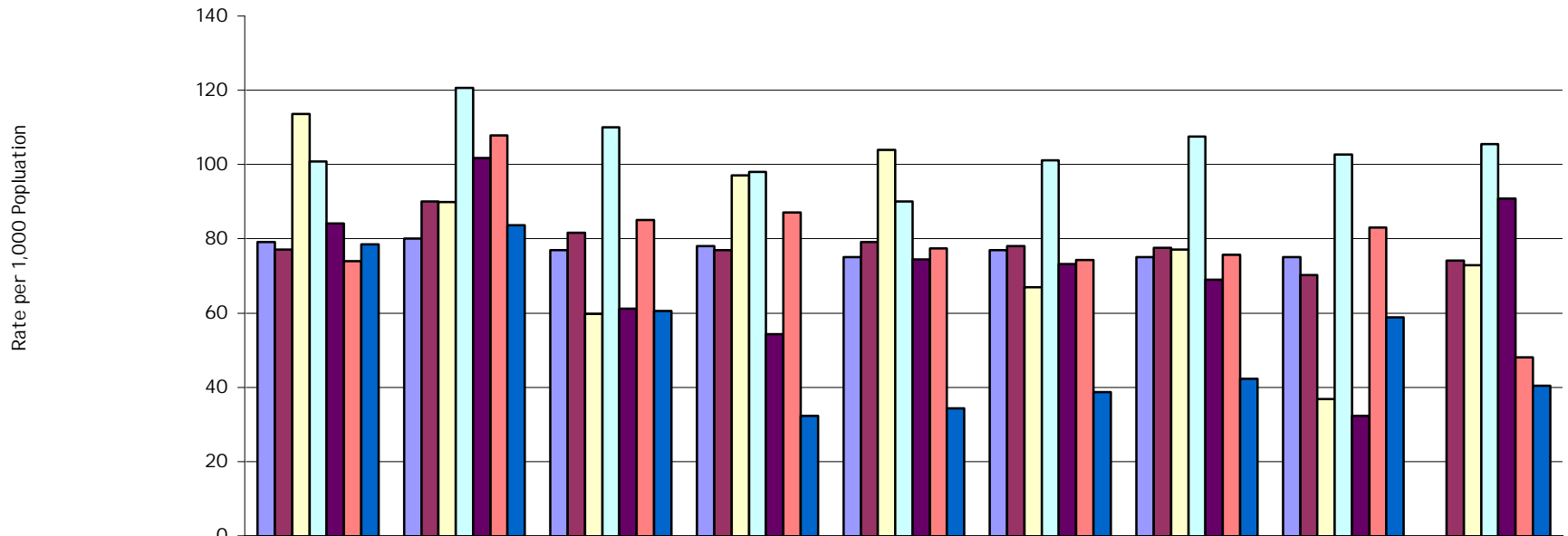
***Data Not Reported	Stark			Ohio
Cause	1997	1998		1998
	Percent	Number	Percent	Percent
Congenital Anomalies	18.9	5	22.7	20.9
SIDS	13.5	3	13.6	12.3
Newborn Affected by Maternal Complications	5.4	2	9.1	6.1
Respiratory Distress	***	***	***	5.1
Other	43.2	8	36.4	35.5

Birth Rate per 1,000 Live Births  
State and County Vs. Cities  
1992-2000



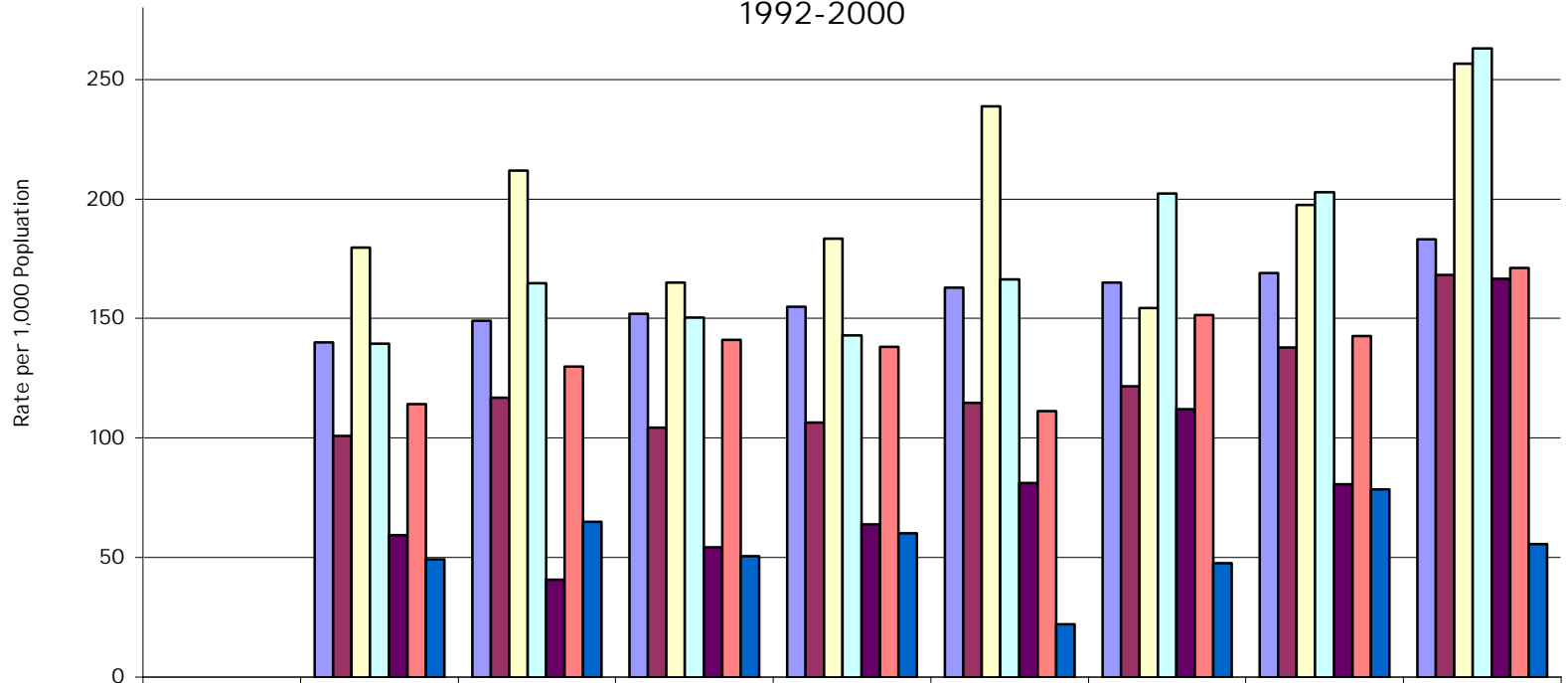
	2000	1999	1998	1997	1996	1995	1994	1993	1992
Ohio	13.7	14.0	14.1	14.0	14.0	14.0	14.0	14.6	14.9
Stark County	13.0	12.9	13.0	13.1	13.0	13.2	13.6	13.7	14.1
ALLIANCE CITY	14.8	15.4	14.4	13.3	14.0	13.5	14.5	16.3	14.7
CANTON CITY	17.9	17.6	16.9	16.6	16.6	16.9	17.0	17.9	18.9
LOUISVILLE CITY	12.0	14.1	12.1	16.0	11.6	15.2	14.3	15.3	16.3
MASSILLON CITY	15.1	15.4	14.4	15.5	15.4	13.9	16.2	15.2	15.4
NORTH CANTON CITY	14.8	13.7	15.7	14.7	15.8	12.3	12.8	13.8	13.4

Low Birth Weight Births  
Rate per 1,000 Live Births  
State and County Vs. Cities  
1992-2000



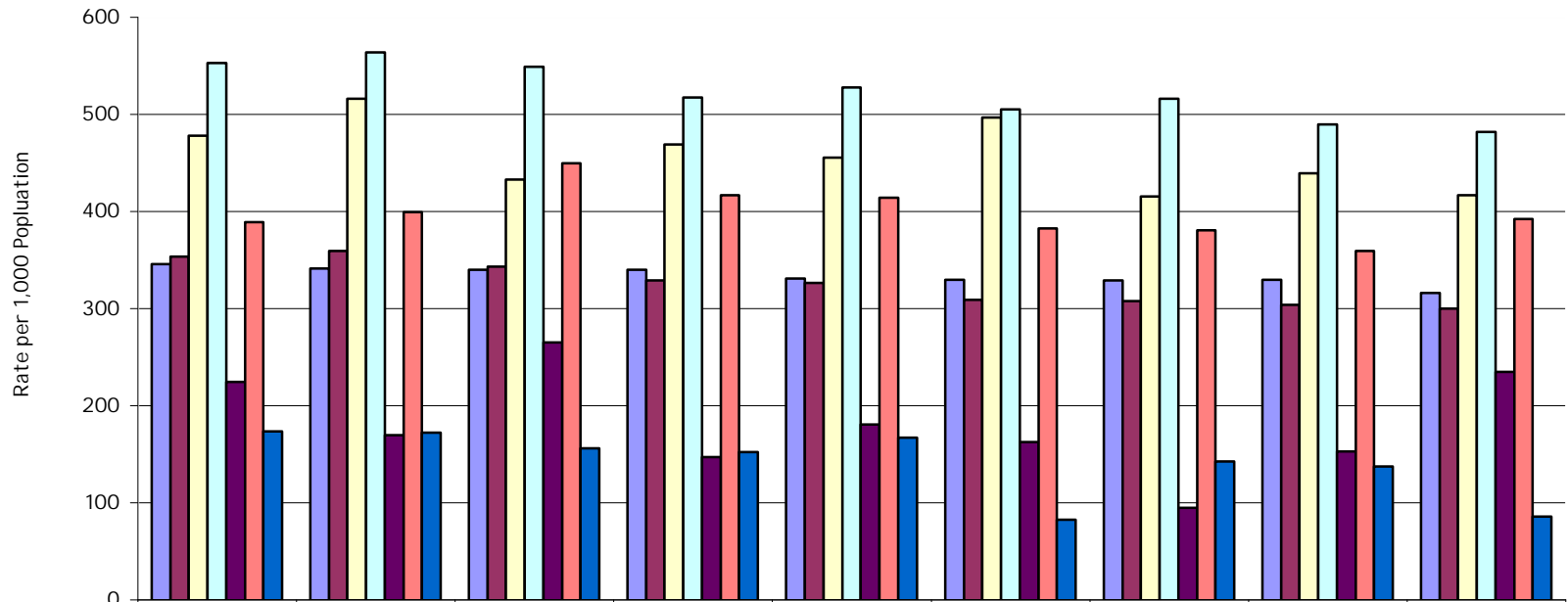
	2000	1999	1998	1997	1996	1995	1994	1993	1992
Ohio	79.2	80.0	77.0	78.0	75.0	77.0	75.0	75.0	0.0
Stark County	77.1	90.0	81.7	77.0	79.1	78.1	77.5	70.3	74.2
ALLIANCE CITY	113.7	89.9	59.7	97.1	104.0	66.9	77.2	36.8	72.9
CANTON CITY	100.9	120.6	110.1	98.1	90.1	101.1	107.5	102.7	105.5
LOUISVILLE CITY	84.1	101.7	61.2	54.3	74.5	73.2	69.0	32.3	90.9
MASSILLON CITY	74.0	107.8	85.0	87.1	77.4	74.2	75.7	83.0	48.0
NORTH CANTON CITY	78.5	83.7	60.6	32.3	34.3	38.7	42.3	58.8	40.4

No 1st Trimester Prenatal Care per 1,000 Live Births  
 State and County Vs. Cities  
 1992-2000



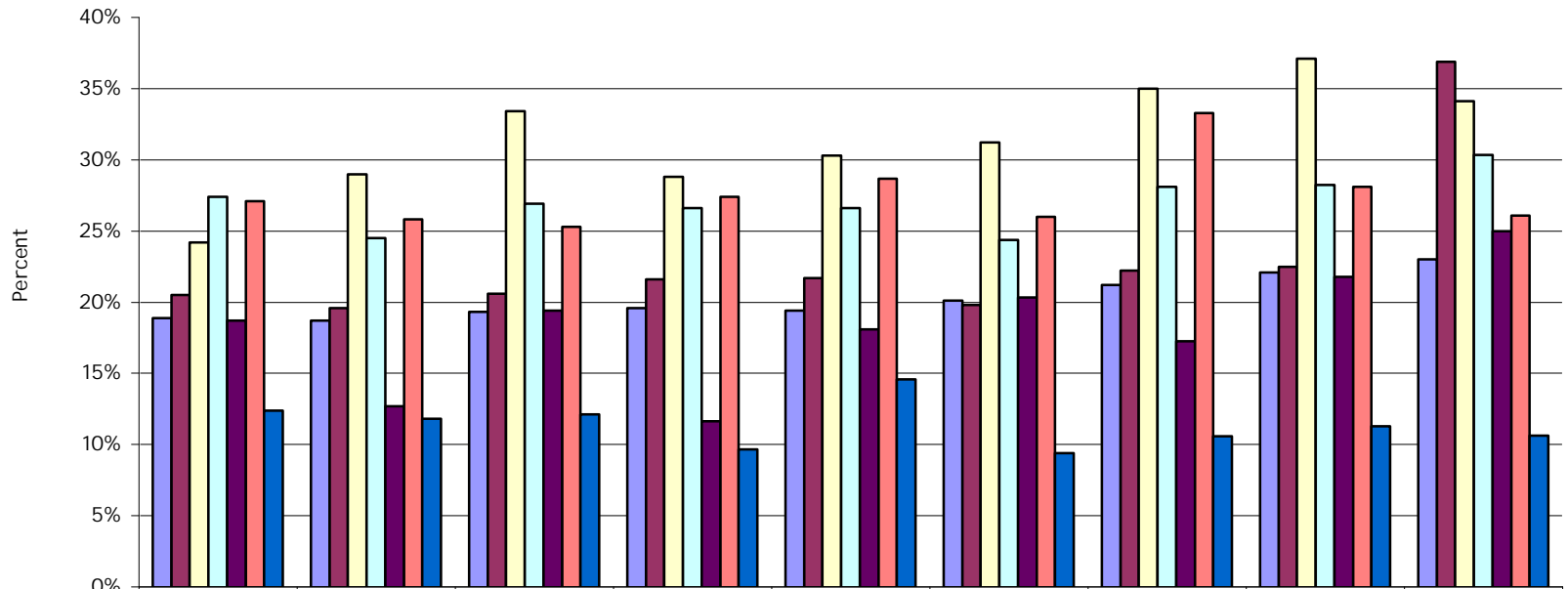
	2000	1999	1998	1997	1996	1995	1994	1993	1992
Ohio		140	149	152	155	163	165	169	183
Stark County		100.9	117	104	107	115	122	138	168
ALLIANCE CITY		179.7	212	165	183	239	154	197	257
CANTON CITY		139.4	165	150	143	166	202	203	263
LOUISVILLE CITY		59.3	41	54	64	81	112	81	167
MASSILLON CITY		114.2	130	141	138	111	151	143	171
NORTH CANTON CITY		49.3	65	51	60	22	48	78	56

Births to Unwed Mothers  
Rate per 1,000 Live Births  
State and County Vs. Cities  
1992-2000



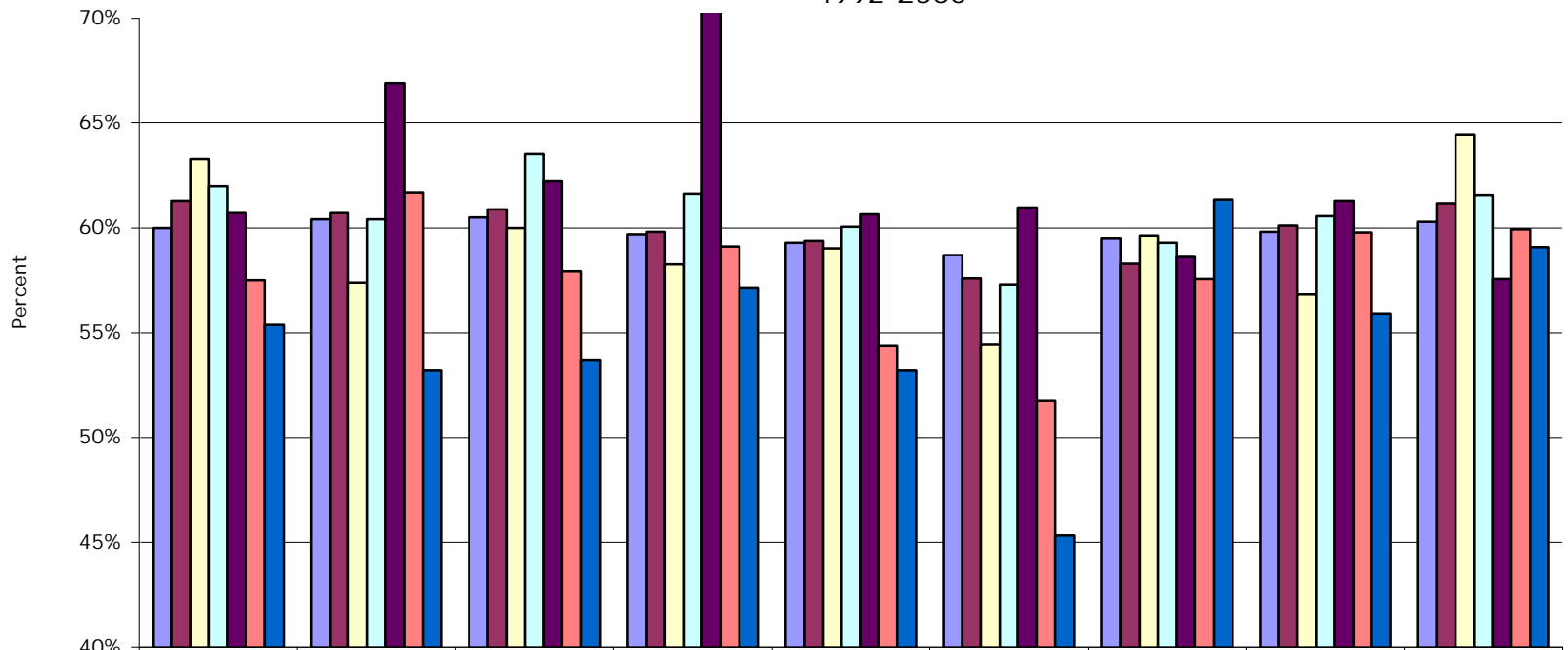
	2000	1999	1998	1997	1996	1995	1994	1993	1992
Ohio	346.1	341.0	340.0	340.0	331.0	330.0	329.0	330.0	316.0
Stark County	353.6	359.5	343.4	328.8	326.5	309.2	307.8	303.7	300.0
ALLIANCE CITY	478.1	515.9	432.8	469.3	455.7	496.8	415.4	439.5	416.9
CANTON CITY	552.9	563.9	549.1	517.5	527.5	504.9	516.4	489.7	482.1
LOUISVILLE CITY	224.3	169.5	265.3	147.3	180.9	162.6	94.8	153.2	234.8
MASSILLON CITY	389.0	399.6	449.7	417.0	414.2	382.8	380.5	359.6	392.5
NORTH CANTON CITY	173.6	172.4	155.8	152.1	167.4	82.9	142.9	137.3	85.9

Tobacco Use Indicated  
Percent of Total Live Births  
State and County Vs. Cities  
1992-2000



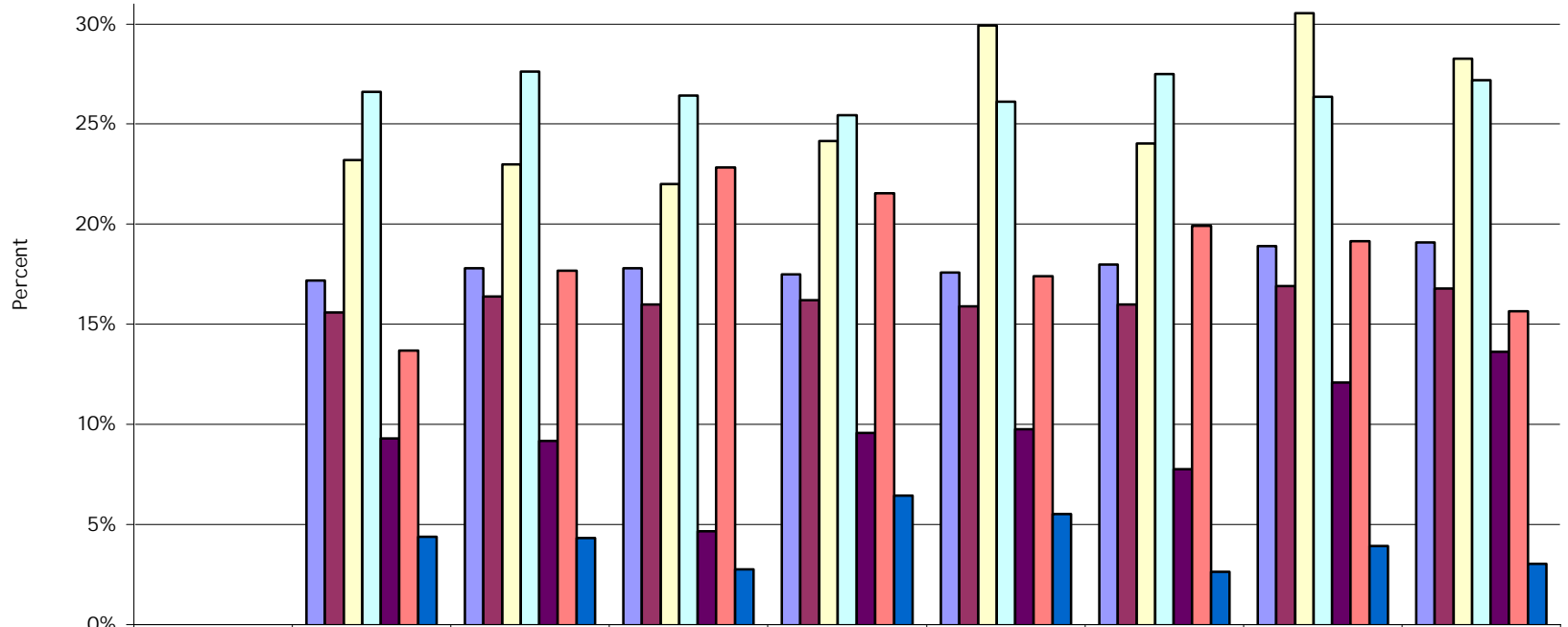
	2000	1999	1998	1997	1996	1995	1994	1993	1992
Ohio	18.90%	18.70%	19.30%	19.60%	19.40%	20.10%	21.20%	22.10%	23.00%
Stark County	20.50%	19.60%	20.60%	21.60%	21.70%	19.80%	22.20%	22.50%	36.90%
ALLIANCE CITY	24.20%	29.00%	33.43%	28.80%	30.28%	31.21%	35.01%	37.11%	34.11%
CANTON CITY	27.40%	24.50%	26.93%	26.63%	26.59%	24.37%	28.12%	28.23%	30.32%
LOUISVILLE CITY	18.70%	12.70%	19.39%	11.63%	18.09%	20.33%	17.24%	21.77%	25.00%
MASSILLON CITY	27.10%	25.80%	25.28%	27.39%	28.66%	25.99%	33.27%	28.09%	26.10%
NORTH CANTON CITY	12.40%	11.80%	12.12%	9.68%	14.59%	9.39%	10.58%	11.27%	10.61%

One or More Previous Live Birth  
 Percent of Total Live Births  
 State and County Vs. Cities  
 1992-2000



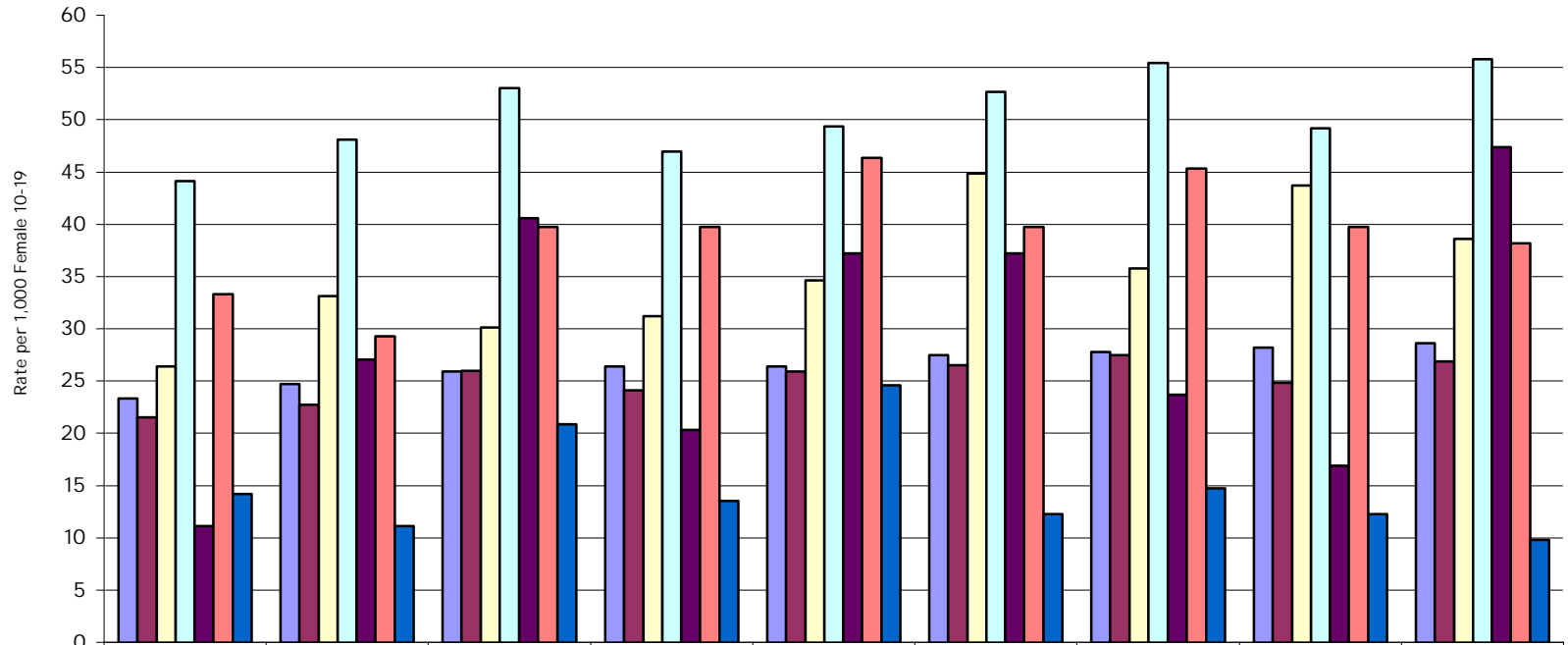
	2000	1999	1998	1997	1996	1995	1994	1993	1992
Ohio	60.00%	60.40%	60.50%	59.70%	59.30%	58.70%	59.50%	59.80%	60.30%
Stark County	61.30%	60.70%	60.90%	59.80%	59.40%	57.60%	58.30%	60.10%	61.20%
ALLIANCE CITY	63.30%	57.40%	60.00%	58.25%	59.02%	54.46%	59.64%	56.84%	64.43%
CANTON CITY	62.00%	60.40%	63.53%	61.63%	60.04%	57.30%	59.32%	60.57%	61.58%
LOUISVILLE CITY	60.70%	66.90%	62.24%	70.54%	60.64%	60.98%	58.62%	61.29%	57.58%
MASSILLON CITY	57.50%	61.70%	57.94%	59.13%	54.39%	51.74%	57.57%	59.79%	59.92%
NORTH CANTON CITY	55.40%	53.20%	53.68%	57.14%	53.22%	45.30%	61.38%	55.88%	59.09%

12th Grade Ed Not Completed  
 Percent of Total Live Births  
 State and County Vs. Cities  
 1992-2000



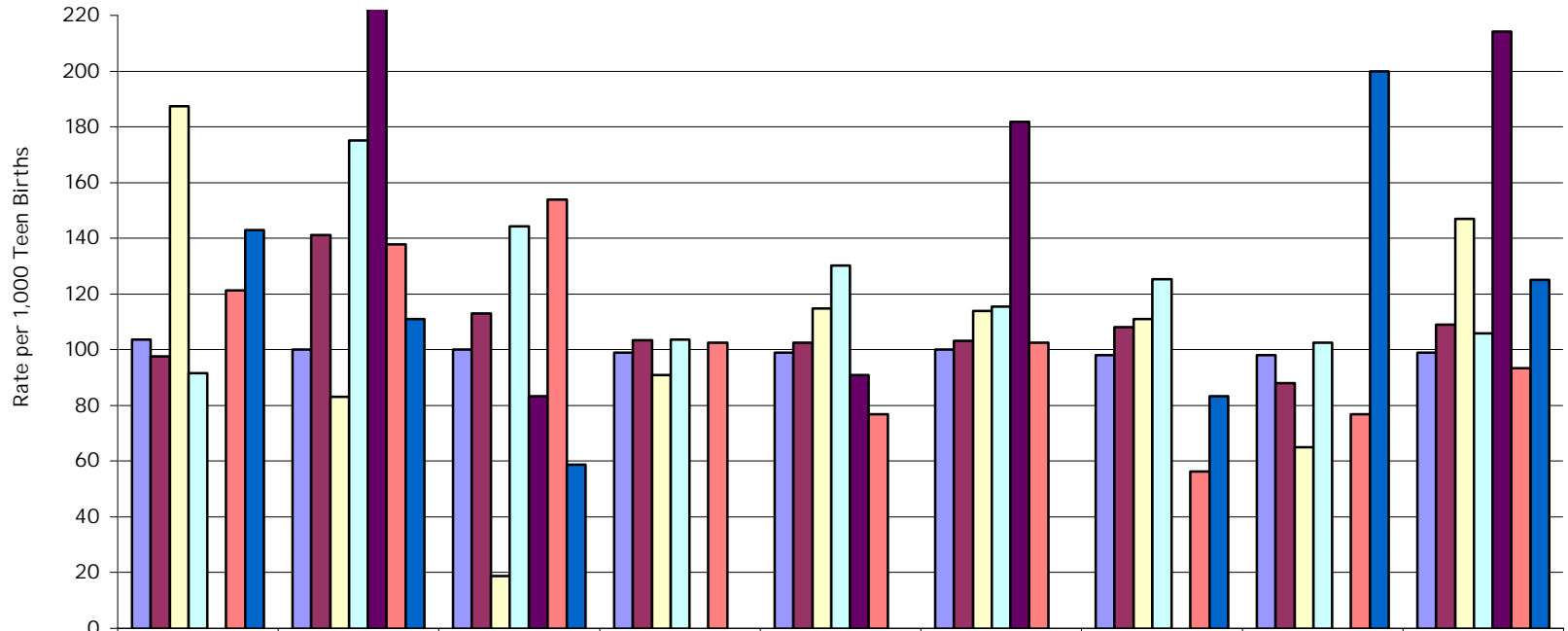
	2000	1999	1998	1997	1996	1995	1994	1993	1992
Ohio	0.00%	17.20%	17.80%	17.80%	17.50%	17.60%	18.00%	18.90%	19.10%
Stark County	0.00%	15.60%	16.40%	16.00%	16.20%	15.90%	16.00%	16.90%	16.80%
ALLIANCE CITY	0.00%	23.20%	22.99%	22.01%	24.16%	29.94%	24.04%	30.53%	28.28%
CANTON CITY	0.00%	26.60%	27.63%	26.41%	25.45%	26.12%	27.49%	26.38%	27.18%
LOUISVILLE CITY	0.00%	9.30%	9.18%	4.65%	9.57%	9.76%	7.76%	12.10%	13.64%
MASSILLON CITY	0.00%	13.70%	17.67%	22.82%	21.55%	17.40%	19.92%	19.15%	15.66%
NORTH CANTON CITY	0.00%	4.40%	4.33%	2.76%	6.44%	5.52%	2.65%	3.92%	3.03%

Fertility  
Rate per 1,000 females ages 10 to 19  
State and County Vs. Cities  
1992-2000



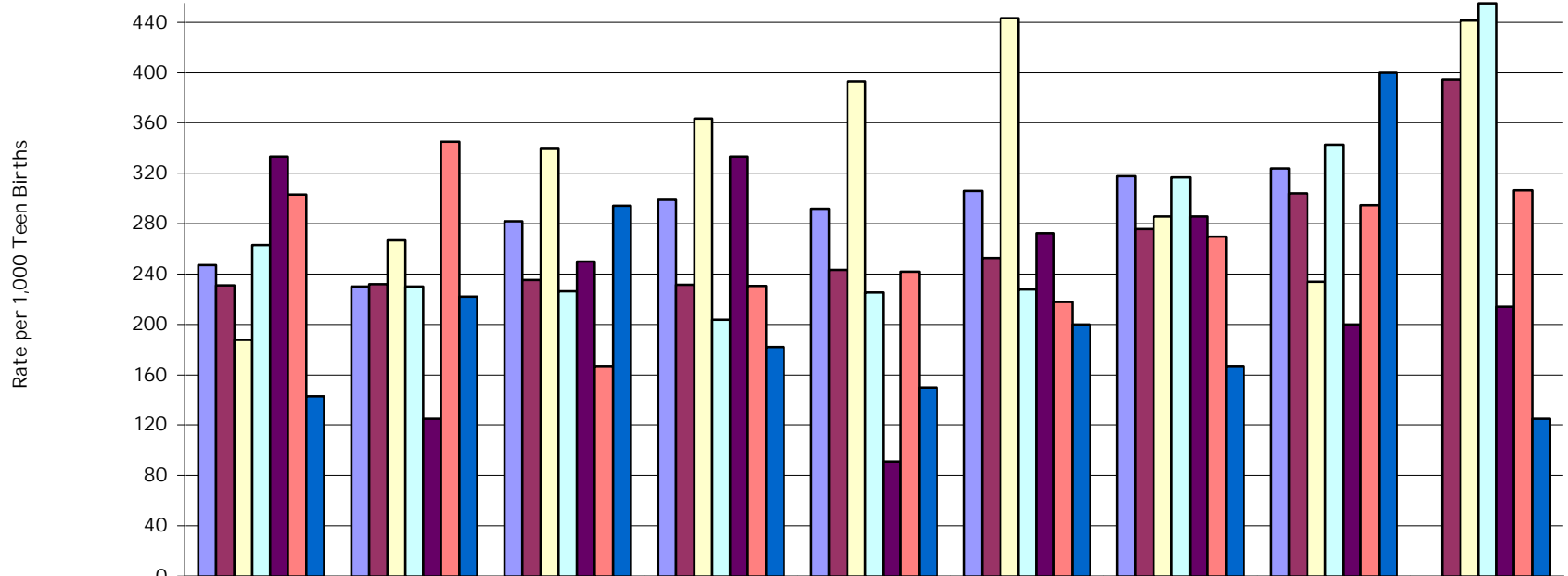
	2000	1999	1998	1997	1996	1995	1994	1993	1992
Ohio	23.3	24.7	25.9	26.4	26.4	27.5	27.8	28.2	28.6
Stark County	21.5	22.7	26.0	24.1	25.9	26.5	27.5	24.8	26.9
ALLIANCE CITY	26.4	33.1	30.1	31.2	34.6	44.9	35.8	43.7	38.6
CANTON CITY	44.1	48.1	53.0	46.9	49.4	52.7	55.5	49.2	55.8
LOUISVILLE CITY	11.1	27.1	40.6	20.3	37.2	37.2	23.7	16.9	47.4
MASSILLON CITY	33.3	29.3	39.7	39.7	46.3	39.7	45.3	39.7	38.2
NORTH CANTON CITY	14.2	11.1	20.9	13.5	24.6	12.3	14.7	12.3	9.8

Low Birth Weight Births  
Rate per 1,000 Teen Births  
State and County Vs. Cities  
1992-2000



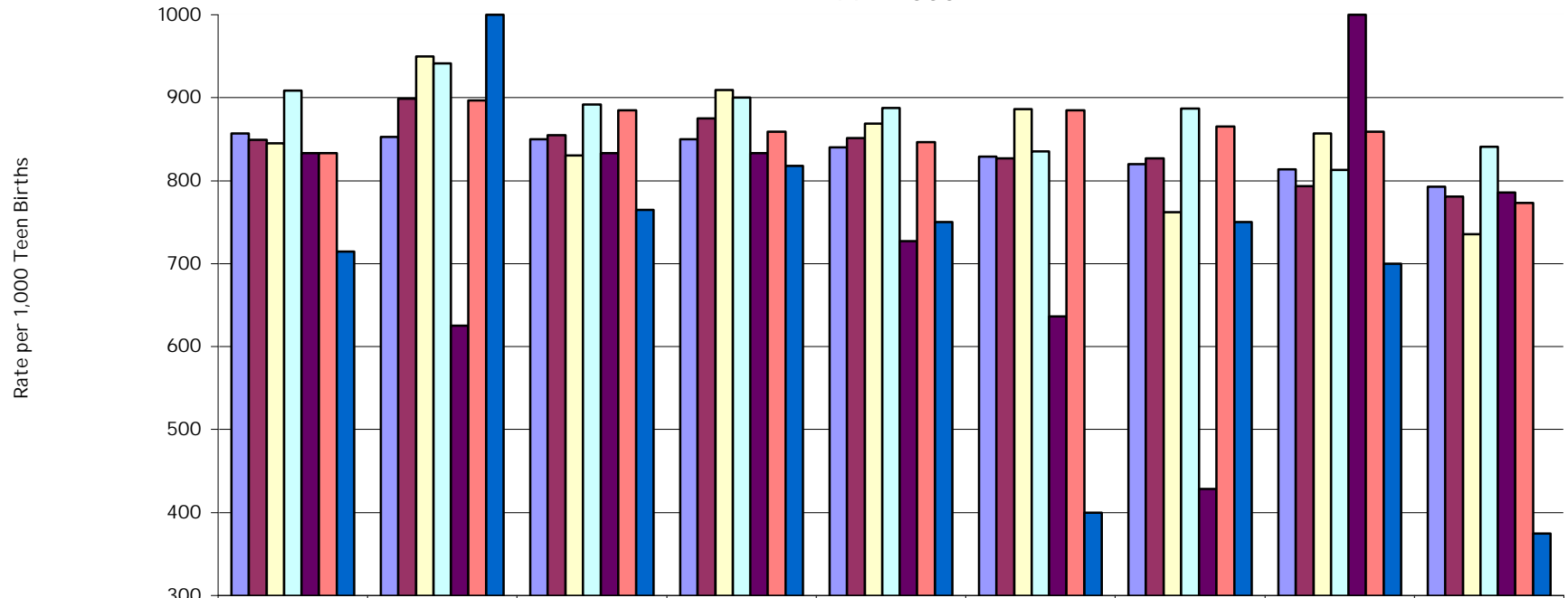
	2000	1999	1998	1997	1996	1995	1994	1993	1992
Ohio	103.6	100.0	100.0	99.0	99.0	100.0	98.0	98.0	99.0
Stark County	97.7	141.2	113.0	103.4	102.6	103.1	108.2	88.0	109.0
ALLIANCE CITY	187.5	83.0	18.9	90.9	114.8	113.9	111.1	64.9	147.1
CANTON CITY	91.6	175.0	144.3	103.7	130.3	115.5	125.4	102.5	105.9
LOUISVILLE CITY	0.0	250.0	83.3	0.0	90.9	181.8	0.0	0.0	214.3
MASSILLON CITY	121.2	137.9	153.8	102.6	76.9	102.6	56.2	76.9	93.3
NORTH CANTON CITY	142.9	111.0	58.8	0.0	0.0	0.0	83.3	200.0	125.0

No 1st Trimester Prenatal Care  
 Rate per 1,000 Teen Births  
 State and County Vs. Cities  
 1992-2000



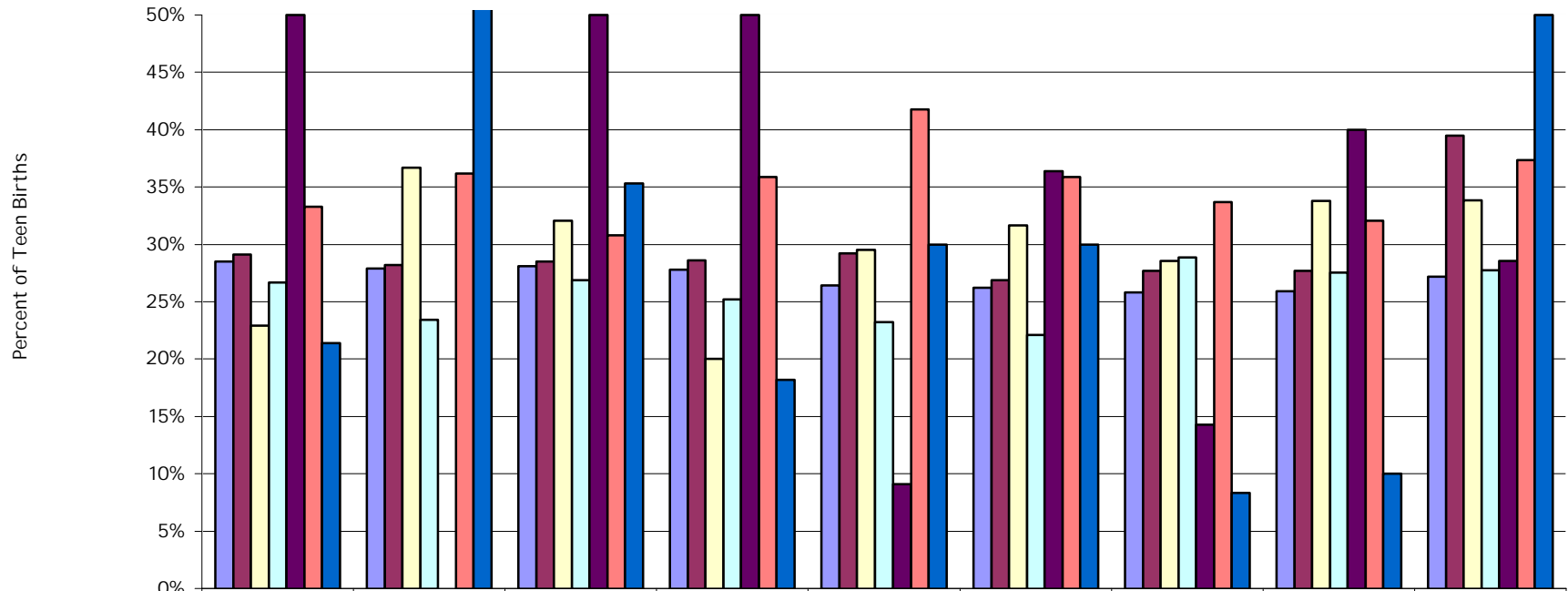
	2000	1999	1998	1997	1996	1995	1994	1993	1992
Ohio	246.9	230.0	282.0	299.0	292.0	306.0	318.0	324.0	
Stark County	230.9	232.0	235.1	231.5	243.5	252.6	275.6	304.0	394.7
ALLIANCE CITY	187.5	267.0	339.6	363.6	393.4	443.0	285.7	233.8	441.2
CANTON CITY	262.9	230.0	226.2	203.7	225.4	227.7	316.6	342.8	454.8
LOUISVILLE CITY	333.3	125.0	250.0	333.3	90.9	272.7	285.7	200.0	214.3
MASSILLON CITY	303.0	345.0	166.7	230.8	241.8	217.9	269.7	294.9	306.7
NORTH CANTON CITY	142.9	222.0	294.1	181.8	150.0	200.0	166.7	400.0	125.0

Births to Unwed Mothers  
Rate per 1,000 Teen Births  
State and County Vs. Cities  
1992-2000



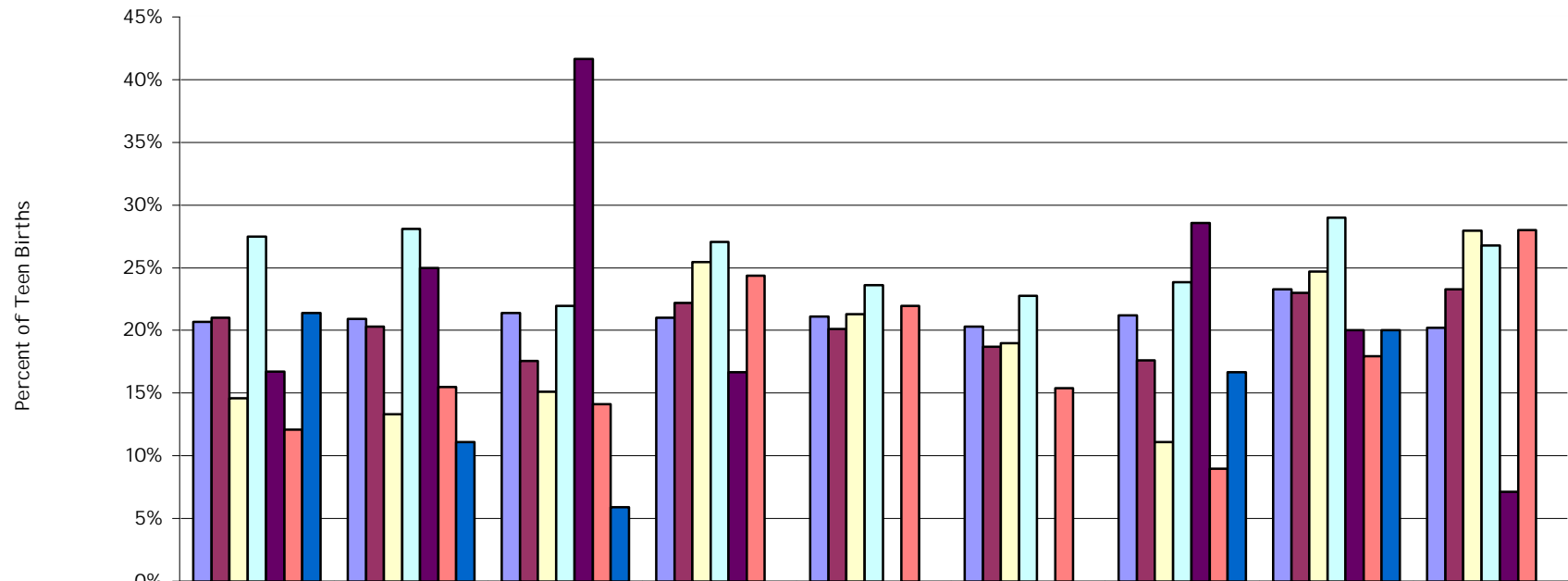
	2000	1999	1998	1997	1996	1995	1994	1993	1992
Ohio	856.7	853.0	850.0	850.0	840.0	829.0	820.0	814.0	793.0
Stark County	849.0	899.0	855.0	875.2	851.5	826.6	826.8	793.6	780.6
ALLIANCE CITY	845.2	950.0	830.2	909.1	868.9	886.1	761.9	857.1	735.3
CANTON CITY	908.4	941.6	891.8	900.0	887.3	835.0	887.1	812.7	841.1
LOUISVILLE CITY	833.3	625.0	833.3	833.3	727.3	636.4	428.6	1000.0	785.7
MASSILLON CITY	833.3	896.6	884.6	859.0	846.2	884.6	865.2	859.0	773.3
NORTH CANTON CITY	714.3	1000.0	764.7	818.2	750.0	400.0	750.0	700.0	375.0

Tobacco Use Indicated  
Percent of Total Teen Births  
State and County Vs. Cities  
1992-2000



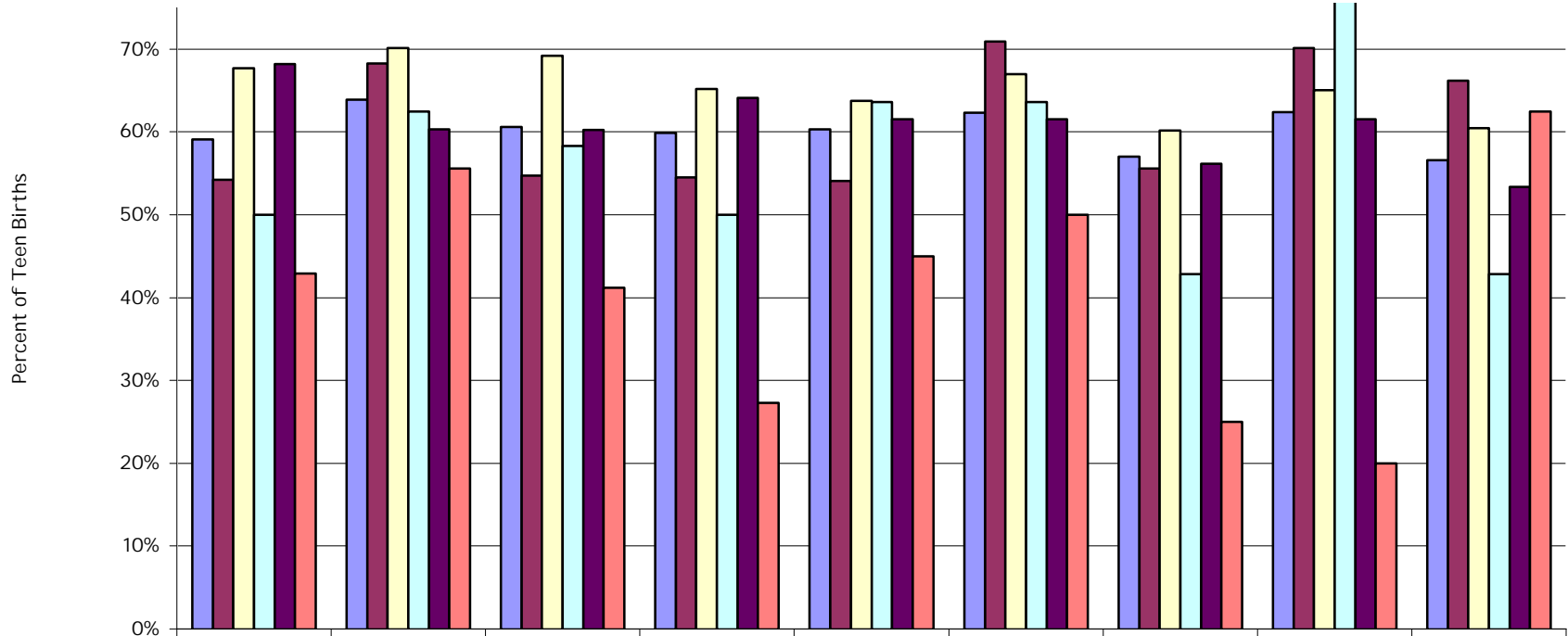
	2000	1999	1998	1997	1996	1995	1994	1993	1992
Ohio	28.50%	27.90%	28.10%	27.80%	26.40%	26.20%	25.80%	25.90%	27.20%
Stark County	29.10%	28.20%	28.50%	28.60%	29.20%	26.90%	27.70%	27.70%	39.50%
ALLIANCE CITY	22.90%	36.70%	32.08%	20.00%	29.51%	31.65%	28.57%	33.77%	33.82%
CANTON CITY	26.70%	23.40%	26.89%	25.19%	23.24%	22.11%	28.84%	27.56%	27.73%
LOUISVILLE CITY	50.00%	0.00%	50.00%	50.00%	9.09%	36.36%	14.29%	40.00%	28.57%
MASSILLON CITY	33.30%	36.20%	30.77%	35.90%	41.76%	35.90%	33.71%	32.05%	37.33%
NORTH CANTON CITY	21.40%	66.70%	35.29%	18.18%	30.00%	30.00%	8.33%	10.00%	50.00%

One or More Previous Live Births  
Percent of Total Teen Births  
State and County Vs. Cities  
1992-2000



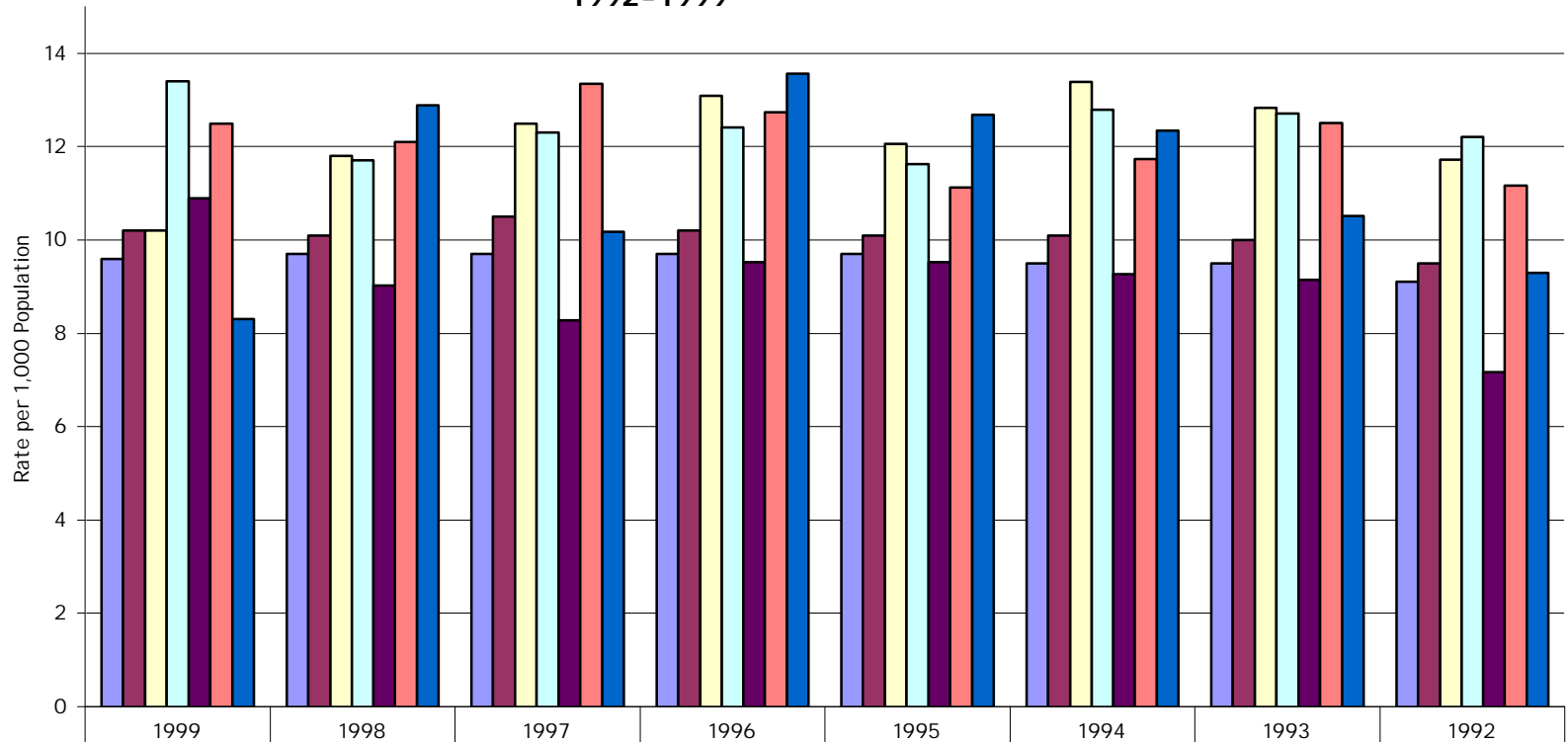
	2000	1999	1998	1997	1996	1995	1994	1993	1992
Ohio	20.70%	20.90%	21.40%	21.00%	21.10%	20.30%	21.20%	23.30%	20.20%
Stark County	21.00%	20.30%	17.56%	22.20%	20.10%	18.70%	17.60%	23.00%	23.30%
ALLIANCE CITY	14.60%	13.30%	15.09%	25.45%	21.31%	18.99%	11.11%	24.68%	27.94%
CANTON CITY	27.50%	28.10%	21.97%	27.04%	23.59%	22.77%	23.82%	28.98%	26.79%
LOUISVILLE CITY	16.70%	25.00%	41.67%	16.67%	0.00%	0.00%	28.57%	20.00%	7.14%
MASSILLON CITY	12.10%	15.50%	14.10%	24.36%	21.98%	15.38%	8.99%	17.95%	28.00%
NORTH CANTON CITY	21.40%	11.10%	5.88%	0.00%	0.00%	0.00%	16.67%	20.00%	0.00%

12th Grade Ed Not Completed  
 Percent of Total Teen Births  
 State and County Vs. Cities  
 1992-2000



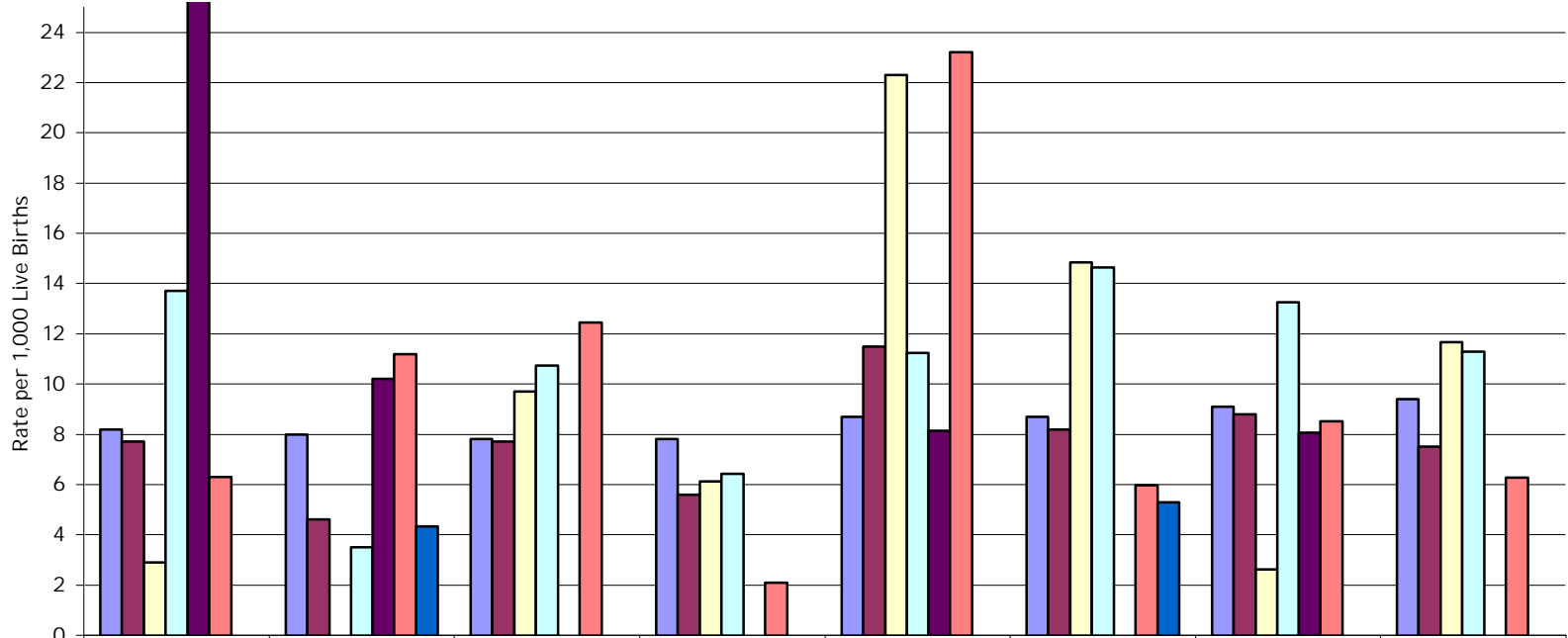
	2000	1999	1998	1997	1996	1995	1994	1993	1992
Stark County	59.10%	63.90%	60.60%	59.90%	60.30%	62.30%	57.00%	62.40%	56.60%
ALLIANCE CITY	54.20%	68.30%	54.70%	54.55%	54.10%	70.89%	55.56%	70.13%	66.18%
CANTON CITY	67.70%	70.10%	69.18%	65.19%	63.73%	67.00%	60.19%	65.02%	60.44%
LOUISVILLE CITY	50.00%	62.50%	58.33%	50.00%	63.64%	63.64%	42.86%	80.00%	42.86%
MASSILLON CITY	68.20%	60.30%	60.26%	64.10%	61.54%	61.54%	56.18%	61.54%	53.33%
NORTH CANTON CITY	42.90%	55.60%	41.18%	27.27%	45.00%	50.00%	25.00%	20.00%	62.50%

**Total Deaths, All Causes Rate per 1,000 Population  
State and County Vs. Cities  
1992-1999**



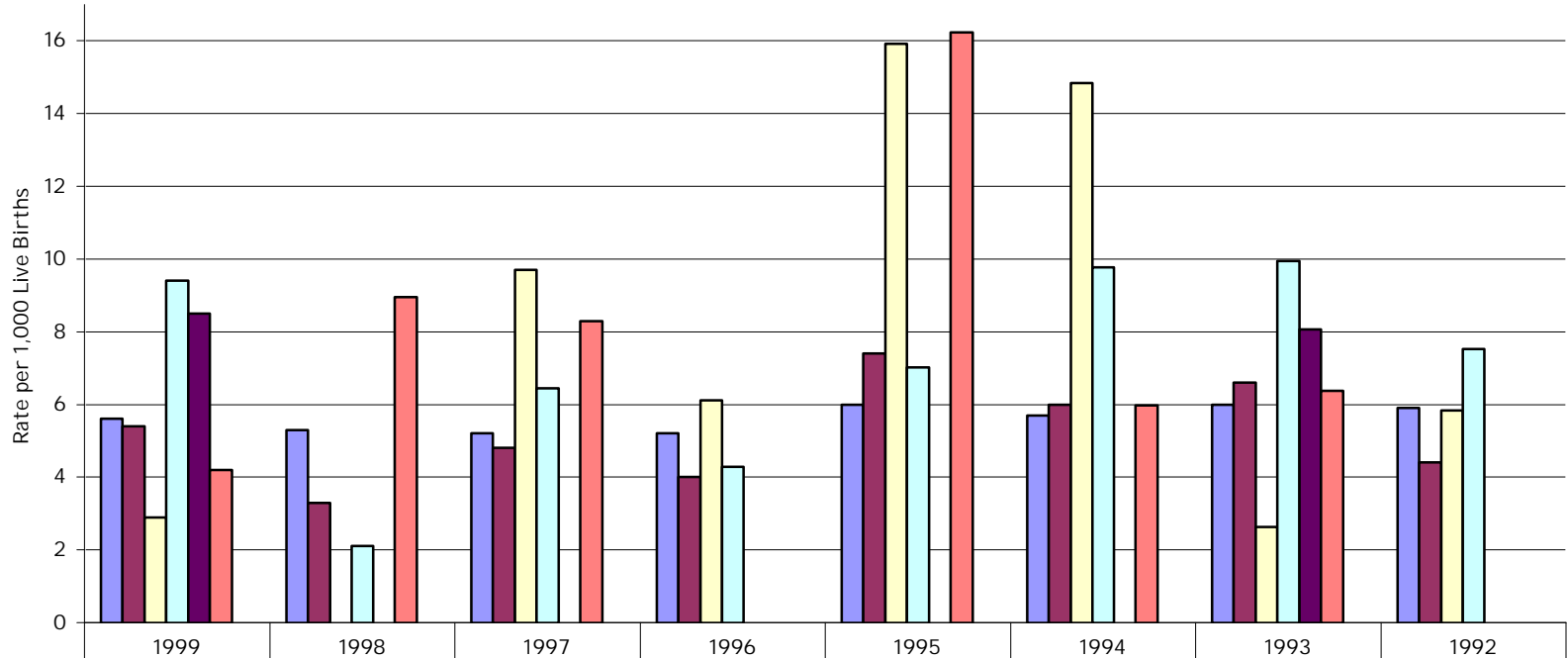
	1999	1998	1997	1996	1995	1994	1993	1992
Ohio	9.60	9.70	9.70	9.70	9.70	9.50	9.50	9.10
Stark County	10.20	10.10	10.50	10.20	10.10	10.10	10.00	9.50
ALLIANCE CITY	10.20	11.80	12.49	13.09	12.06	13.39	12.83	11.71
CANTON CITY	13.40	11.70	12.31	12.42	11.62	12.79	12.71	12.20
LOUISVILLE CITY	10.90	9.03	8.28	9.52	9.52	9.27	9.15	7.17
MASSILLON CITY	12.50	12.09	13.35	12.74	11.13	11.74	12.51	11.16
NORTH CANTON CITY	8.30	12.88	10.17	13.56	12.68	12.34	10.51	9.29

**Infant Deaths**  
 Rate per 1,000 Live Births  
 State and County Vs. Cities  
 1992-1999



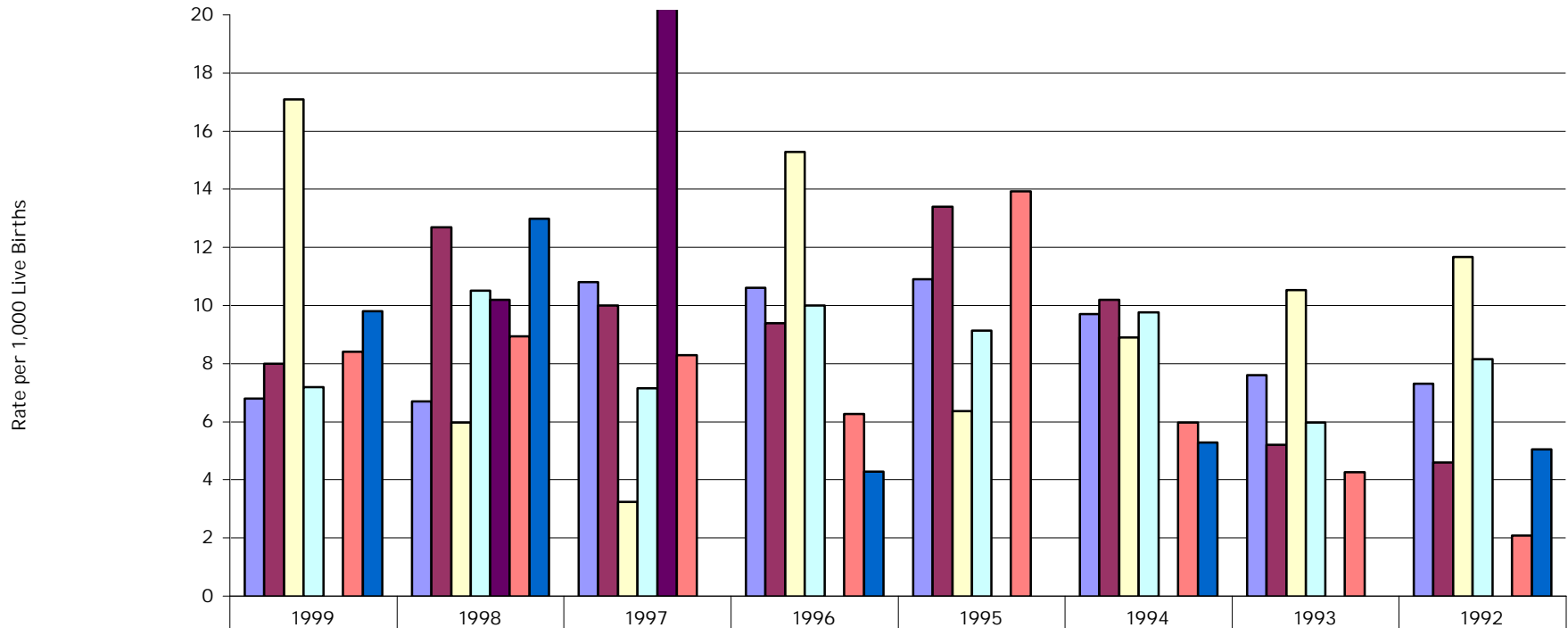
	1999	1998	1997	1996	1995	1994	1993	1992
Ohio	8.2	8.00	7.80	7.80	8.70	8.70	9.10	9.40
Stark County	7.7	4.60	7.70	5.60	11.50	8.20	8.80	7.50
ALLIANCE CITY	2.9	0.00	9.71	6.12	22.29	14.84	2.63	11.66
CANTON CITY	13.7	3.51	10.74	6.43	11.24	14.65	13.25	11.30
LOUISVILLE CITY	25.4	10.20	0.00	0.00	8.13	0.00	8.06	0.00
MASSILLON CITY	6.3	11.19	12.45	2.09	23.20	5.98	8.51	6.26
NORTH CANTON CITY	0	4.33	0.00	0.00	0.00	5.29	0.00	0.00

Neonatal Deaths  
Rate per 1,000 Live Births  
State and County Vs. Cities  
1992-1999



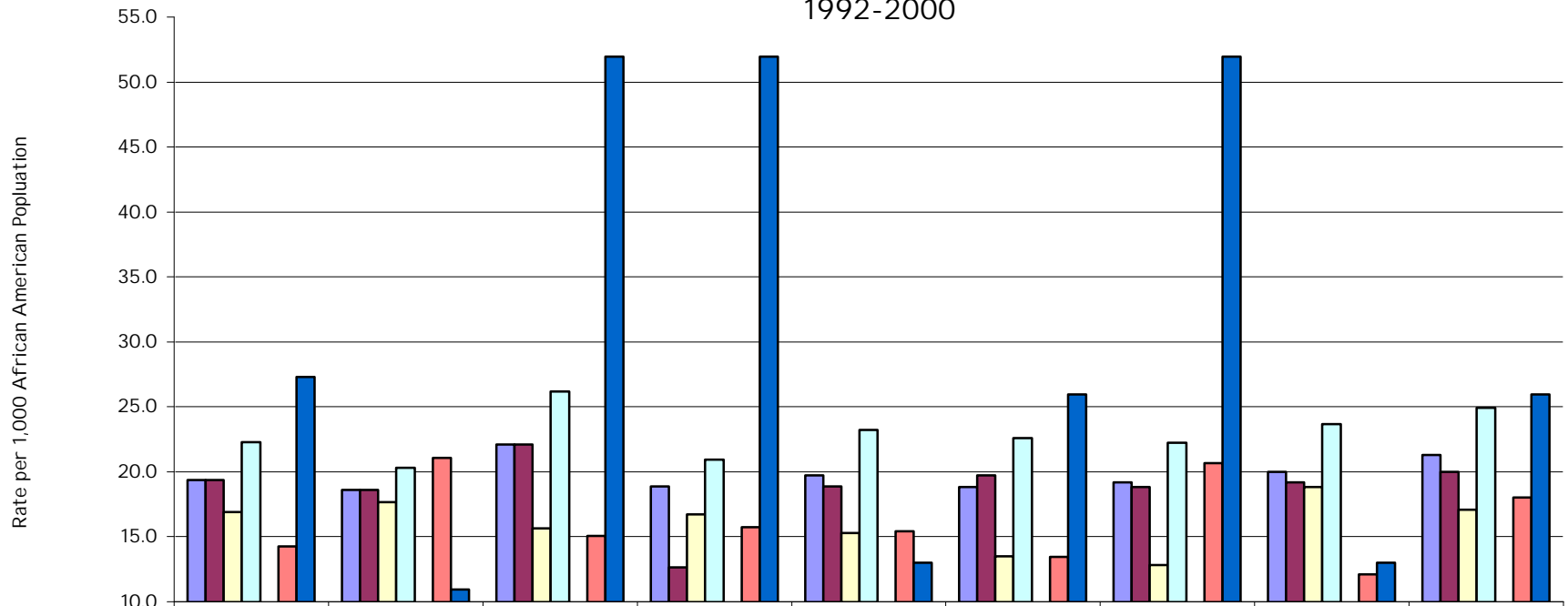
Ohio	5.6	5.3	5.2	5.2	6	5.7	6	5.9
Stark County	5.4	3.30	4.80	4.00	7.40	6.00	6.60	4.40
ALLIANCE CITY	2.9	0.00	9.71	6.12	15.92	14.84	2.63	5.83
CANTON CITY	9.4	2.10	6.44	4.29	7.02	9.77	9.94	7.53
LOUISVILLE CITY	8.5	0.00	0.00	0.00	0.00	0.00	8.06	0.00
MASSILLON CITY	4.2	8.95	8.30	0.00	16.24	5.98	6.38	0.00
NORTH CANTON CITY	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Fetal Death  
Rate per 1,000 Live Births  
Stark County Vs. Cities  
1992-1999



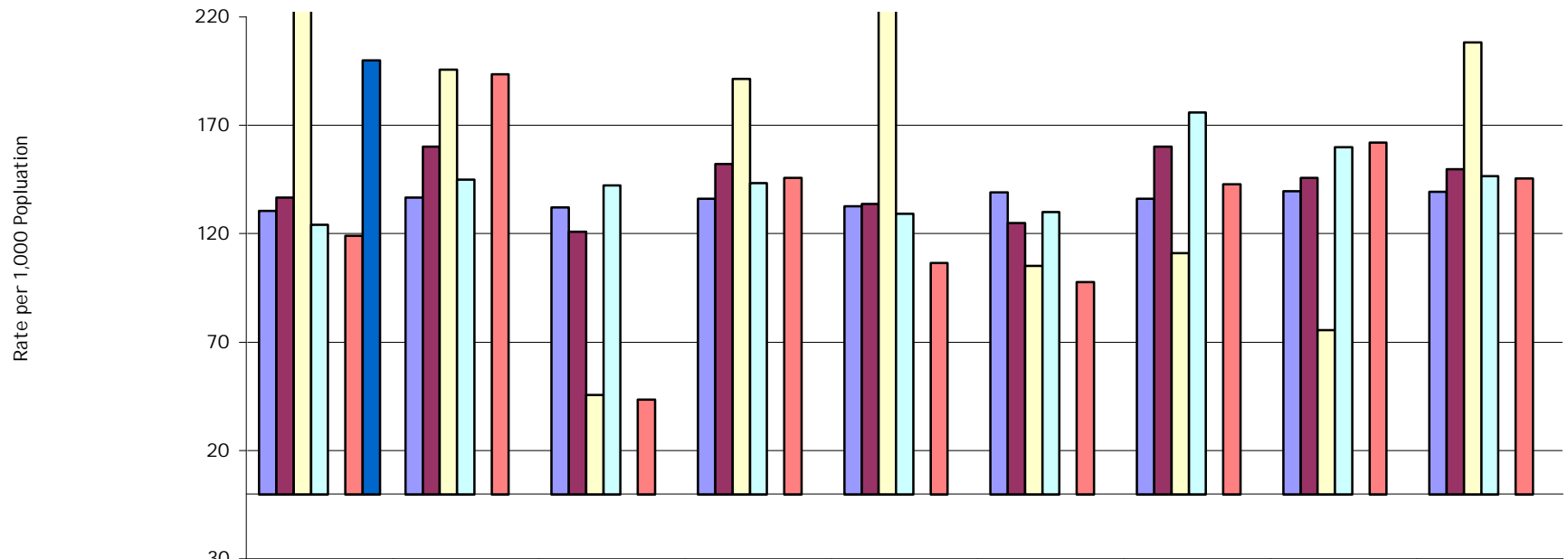
	1999	1998	1997	1996	1995	1994	1993	1992
Ohio	6.8	6.7	10.8	10.6	10.9	9.7	7.6	7.3
Stark County	8	12.70	10.00	9.40	13.40	10.20	5.20	4.60
ALLIANCE CITY	17.1	5.97	3.24	15.29	6.37	8.90	10.53	11.66
CANTON CITY	7.2	10.52	7.16	10.01	9.13	9.77	5.96	8.16
LOUISVILLE CITY	0	10.20	23.26	0.00	0.00	0.00	0.00	0.00
MASSILLON CITY	8.4	8.95	8.30	6.28	13.92	5.98	4.26	2.09
NORTH CANTON CITY	9.8	12.99	0.00	4.29	0.00	5.29	0.00	5.05

African American Births  
Rate per 1,000 Live Births  
State and County Vs. Cities  
1992-2000



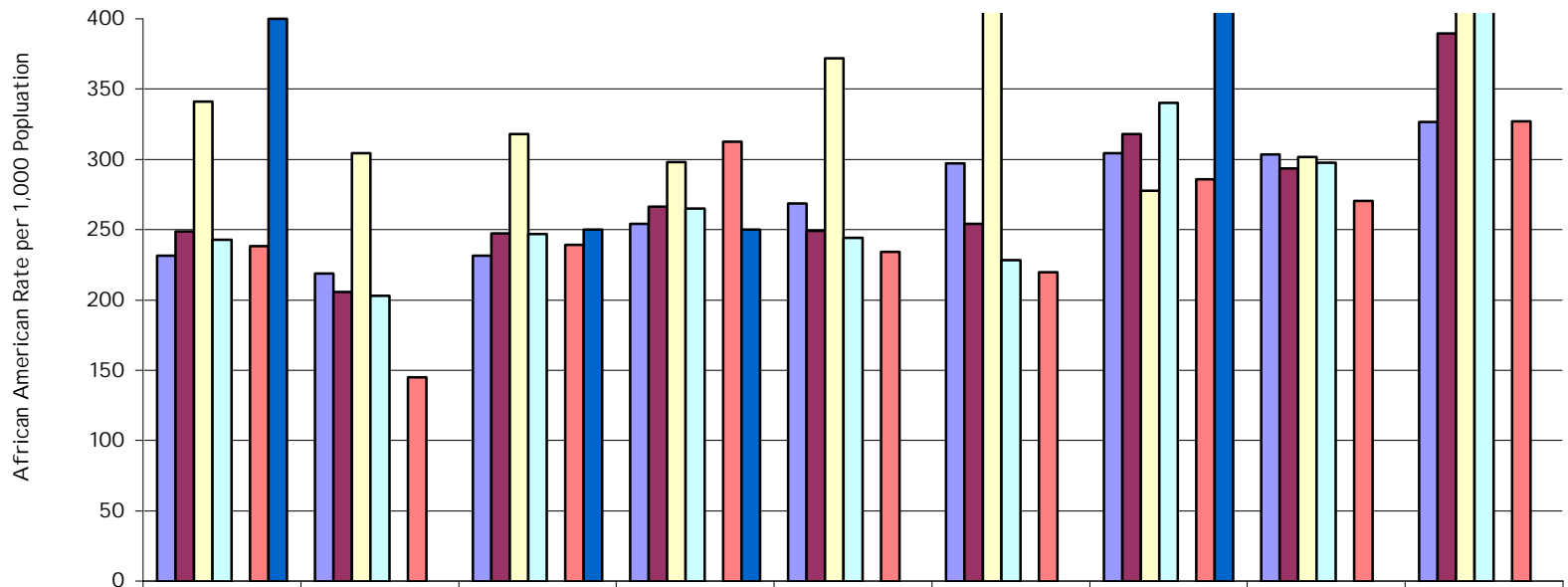
	2000	1999	1998	1997	1996	1995	1994	1993	1992
Ohio	19.4	18.6	22.1	18.9	19.7	18.8	19.2	20.0	21.3
Stark County	19.4	18.6	22.1	12.6	18.9	19.7	18.8	19.2	20.0
Alliance City	16.9	17.7	15.6	16.7	15.3	13.5	12.8	18.8	17.1
Canton City	22.3	20.3	26.2	20.9	23.2	22.6	22.3	23.7	24.9
Louisville City	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Massillion City	14.3	21.1	15.1	15.7	15.4	13.4	20.6	12.1	18.0
North Canton	27.3	10.9	51.9	51.9	13.0	26.0	51.9	13.0	26.0

African American Low Birth Weight Births  
Rate per 1,000 Live Births  
State and County Vs. Cities  
1992-2000



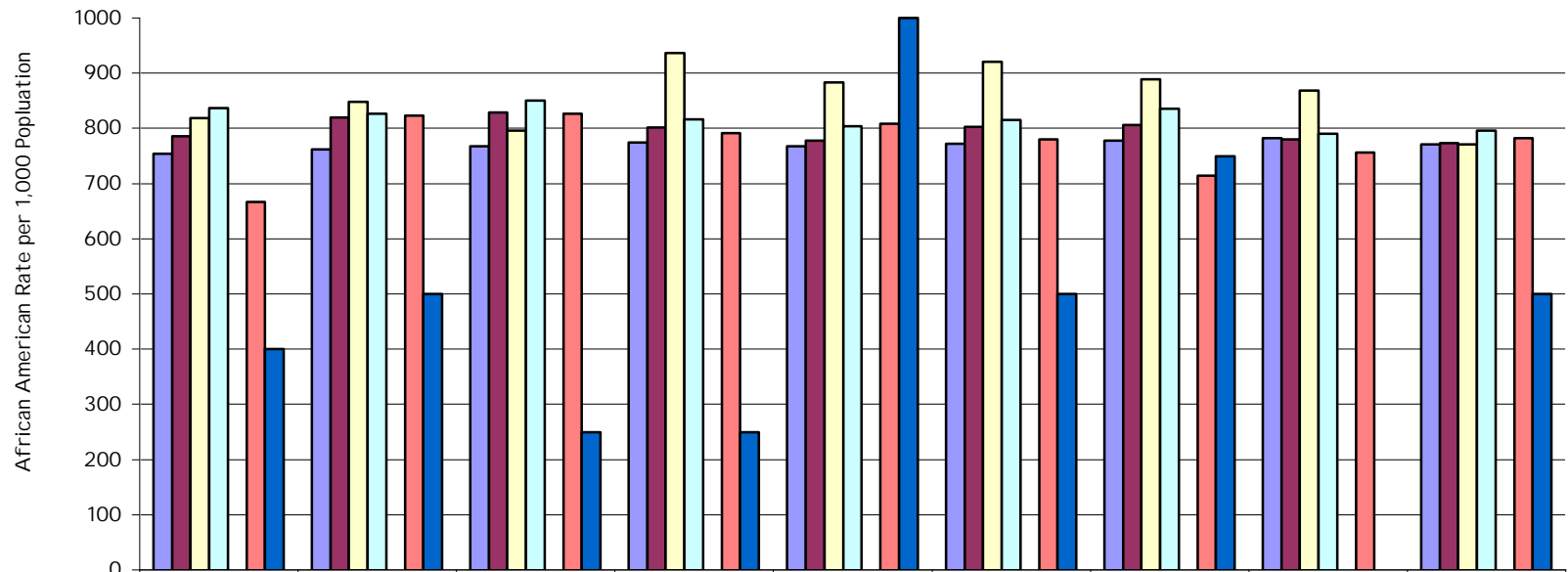
	2000	1999	1998	1997	1996	1995	1994	1993	1992
Ohio	130.6	136.8	132.2	136.1	132.6	139.1	136.2	139.5	139.3
Stark County	136.6	160.1	120.9	152.2	133.6	125.0	160.1	145.7	149.8
ALLIANCE CITY	250.0	195.7	45.5	191.5	232.6	105.3	111.1	75.5	208.3
CANTON CITY	124.0	144.9	142.1	143.3	129.2	130.1	176.0	159.8	146.6
LOUISVILLE CITY	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MASSILLON CITY	119.0	193.5	43.5	145.8	106.4	97.6	142.9	162.2	145.5
NORTH CANTON CITY	200.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

African American No 1st Trimester Prenatal Care  
Rate per 1,000 Live Births  
State and County Vs. Cities  
1992-2000



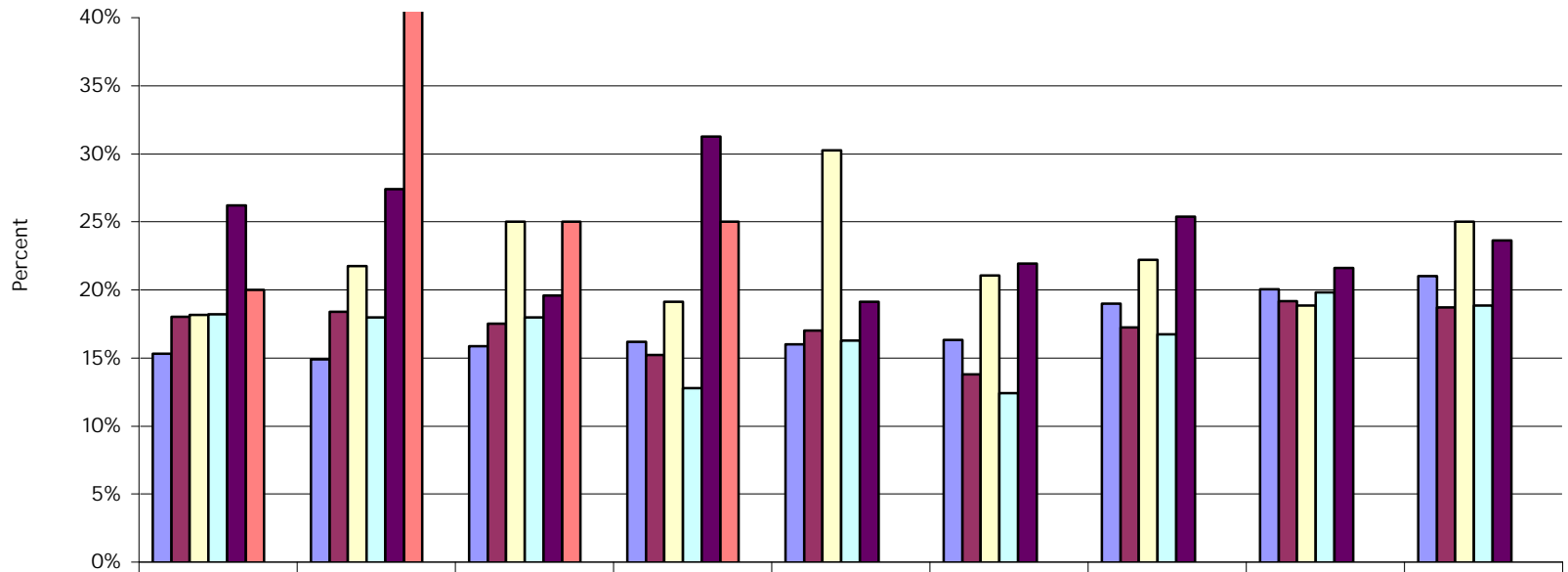
	2000	1999	1998	1997	1996	1995	1994	1993	1992
Ohio	231.4	218.6	231.4	254.0	268.5	297.2	304.4	303.3	326.7
Stark County	248.6	205.5	247.3	266.4	249.0	254.2	318.1	293.4	389.5
ALLIANCE CITY	340.9	304.3	318.2	297.9	372.1	473.7	277.8	301.9	416.7
CANTON CITY	242.7	202.9	246.9	264.8	244.4	228.3	340.2	297.5	408.4
LOUISVILLE CITY	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MASSILLON CITY	238.1	145.2	239.1	312.5	234.0	219.5	285.7	270.3	327.3
NORTH CANTON CITY	400.0	0.0	250.0	250.0	0.0	0.0	500.0	0.0	0.0

African American Births to Unwed Mothers  
Rate per 1,000 Live Births  
State and County Vs. Cities  
1992-2000



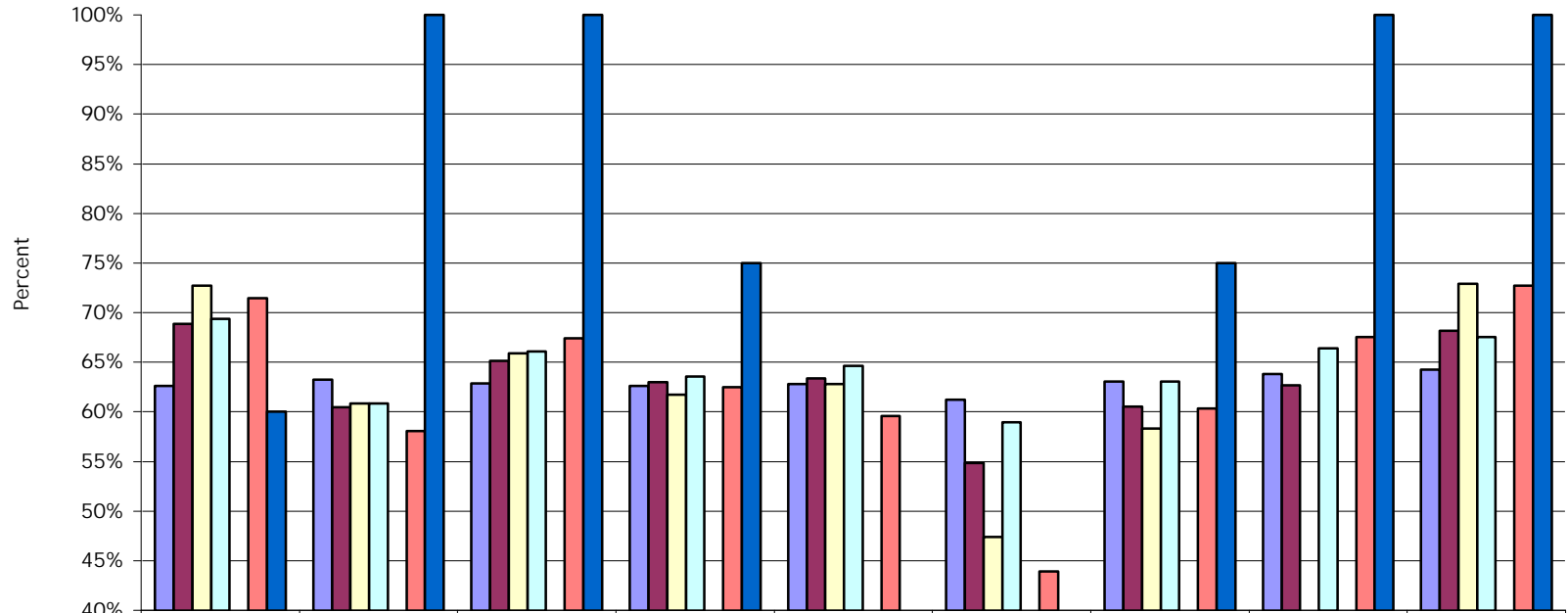
	2000	1999	1998	1997	1996	1995	1994	1993	1992
Ohio	754.4	762.4	768.0	774.1	767.5	771.7	777.8	782.6	771.5
Stark County	785.6	820.2	828.5	801.3	777.3	803.0	806.7	780.4	773.4
ALLIANCE CITY	818.2	847.8	795.5	936.2	883.7	921.1	888.9	867.9	770.8
CANTON CITY	836.4	826.1	850.4	816.2	803.4	815.0	835.8	790.6	795.8
LOUISVILLE CITY	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MASSILLON CITY	666.7	822.6	826.1	791.7	808.5	780.5	714.3	756.8	781.8
NORTH CANTON CITY	400.0	500.0	250.0	250.0	1000.0	500.0	750.0	0.0	500.0

African American Tobacco Use Indicated  
Percent of Total Live Births  
State and County Vs. Cities  
1992-1999



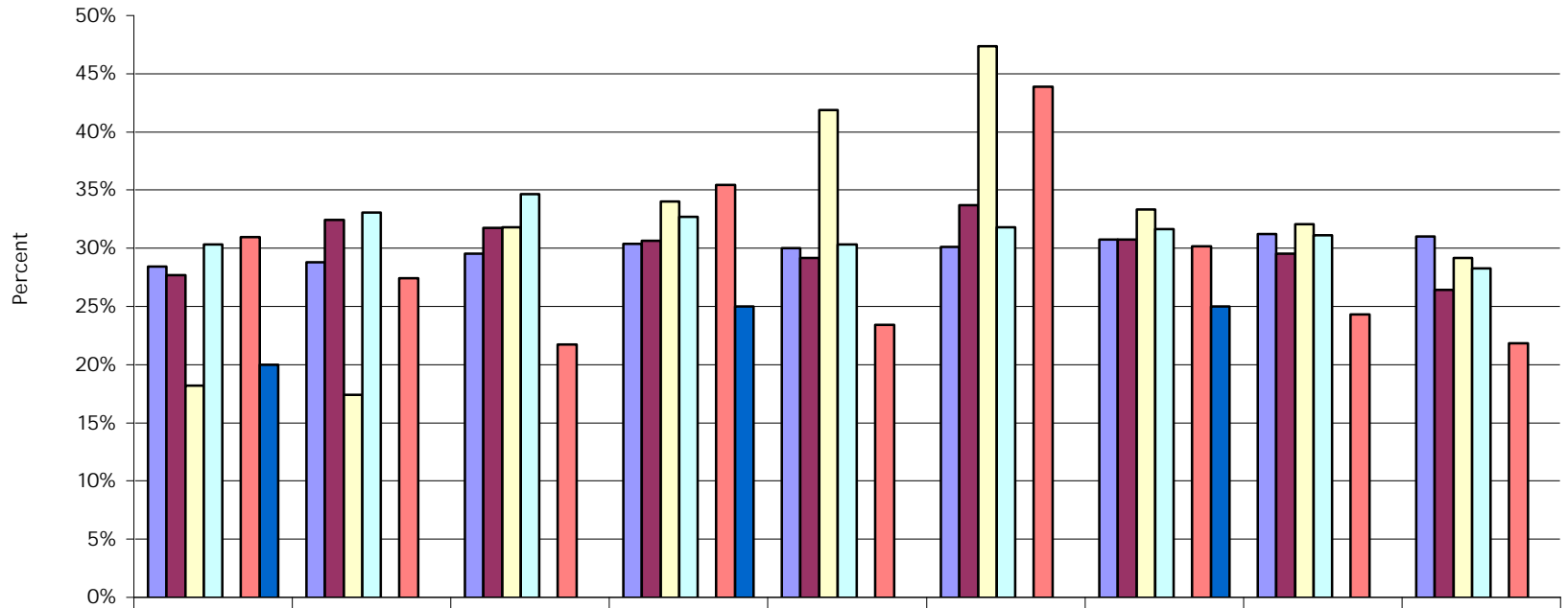
	2000	1999	1998	1997	1996	1995	1994	1993	1992
Ohio	15.32%	14.90%	15.84%	16.17%	16.00%	16.30%	18.99%	20.05%	21.03%
Stark County	18.03%	18.38%	17.51%	15.22%	17.00%	13.77%	17.26%	19.16%	18.73%
ALLIANCE CITY	18.18%	21.74%	25.00%	19.15%	30.23%	21.05%	22.22%	18.87%	25.00%
CANTON CITY	18.21%	17.97%	17.96%	12.77%	16.29%	12.43%	16.72%	19.83%	18.85%
LOUISVILLE CITY	26.19%	27.42%	19.57%	31.25%	19.15%	21.95%	25.40%	21.62%	23.64%
MASSILLON CITY	20.00%	50.00%	25.00%	25.00%	0.00%	0.00%	0.00%	0.00%	0.00%
NORTH CANTON CITY	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%

African American One or More Previous Live Births  
Percent of Total Live Births  
State and County Vs. Cities  
1992-2000



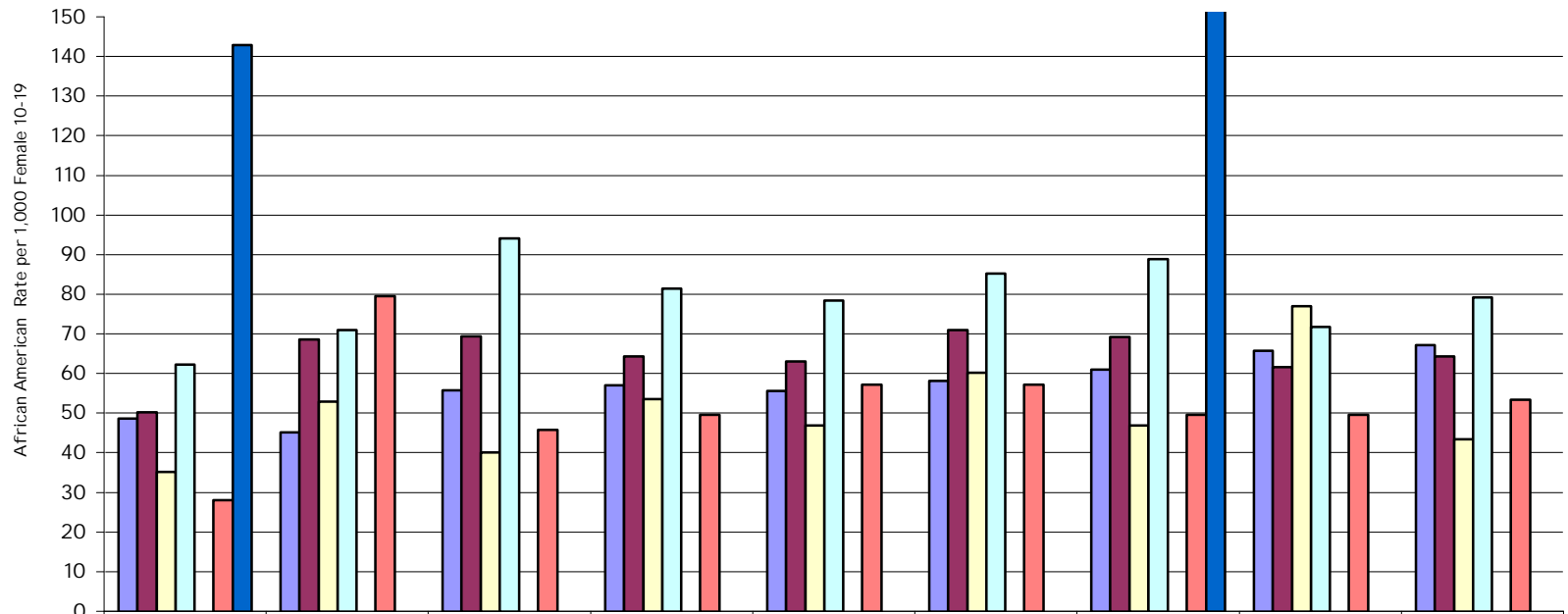
	2000	1999	1998	1997	1996	1995	1994	1993	1992
Ohio	62.60%	63.25%	62.89%	62.62%	62.81%	61.21%	63.07%	63.83%	64.27%
Stark County	68.88%	60.47%	65.16%	63.00%	63.36%	54.87%	60.50%	62.67%	68.16%
ALLIANCE CITY	72.73%	60.87%	65.91%	61.70%	62.79%	47.37%	58.33%	39.62%	72.92%
CANTON CITY	69.39%	60.87%	66.08%	63.55%	64.61%	58.96%	63.05%	66.39%	67.54%
LOUISVILLE CITY	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
MASSILLON CITY	71.43%	58.06%	67.39%	62.50%	59.57%	43.90%	60.32%	67.57%	72.73%
NORTH CANTON CITY	60.00%	100.00%	100.00%	75.00%	0.00%	0.00%	75.00%	100.00%	100.00%

African American 12th Grade Ed Not Completed  
Percent of Total Live Births  
State and County Vs. Cities  
1992-2000



	2000	1999	1998	1997	1996	1995	1994	1993	1992
Ohio	28.44%	28.80%	29.52%	30.39%	30.00%	30.13%	30.73%	31.23%	31.00%
Stark County	27.70%	32.41%	31.77%	30.66%	29.15%	33.69%	30.77%	29.54%	26.40%
ALLIANCE CITY	18.18%	17.39%	31.82%	34.04%	41.86%	47.37%	33.33%	32.08%	29.17%
CANTON CITY	30.34%	33.04%	34.66%	32.71%	30.34%	31.79%	31.67%	31.13%	28.27%
LOUISVILLE CITY	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
MASSILLON CITY	30.95%	27.42%	21.74%	35.42%	23.40%	43.90%	30.16%	24.32%	21.82%
NORTH CANTON CITY	20.00%	0.00%	0.00%	25.00%	0.00%	0.00%	25.00%	0.00%	0.00%

African American Teen Fertility  
Rate per 1,000 females ages 10 to 19  
State and County Vs. Cities  
1992-2000



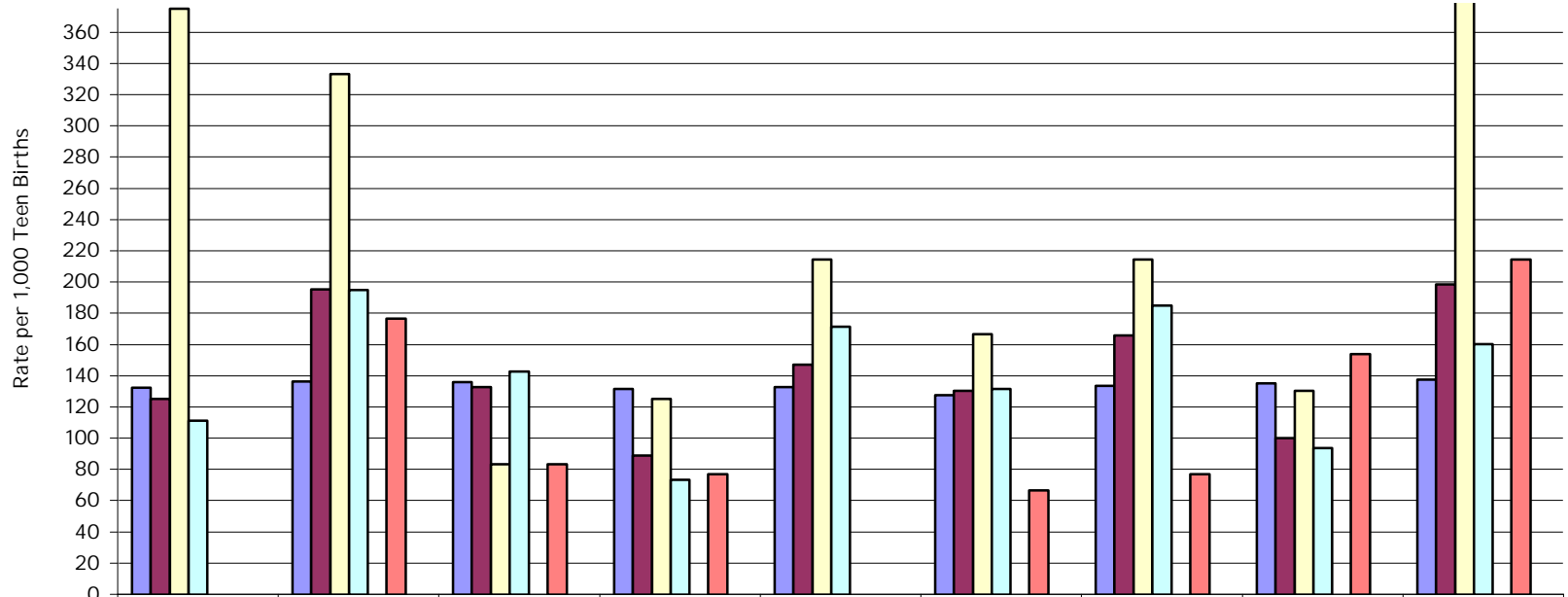
	2000	1999	1998	1997	1996	1995	1994	1993	1992
Ohio	48.6	45.2	55.7	57.0	55.6	58.2	60.9	65.7	67.1
Stark County	50.1	68.5	69.4	64.3	63.0	70.9	69.2	61.7	64.3
ALLIANCE CITY	35.2	52.9	40.1	53.5	46.8	60.2	46.8	76.9	43.5
CANTON CITY	62.2	71.0	94.1	81.4	78.4	85.1	88.9	71.7	79.2
LOUISVILLE CITY	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MASSILLON CITY	28.0	79.4	45.8	49.6	57.3	57.3	49.6	49.6	53.4
NORTH CANTON CITY	142.9	0.0	0.0	0.0	0.0	0.0	200.0	0.0	0.0

### African American Low Birth Weight Births

Rate per 1,000 Teen Births

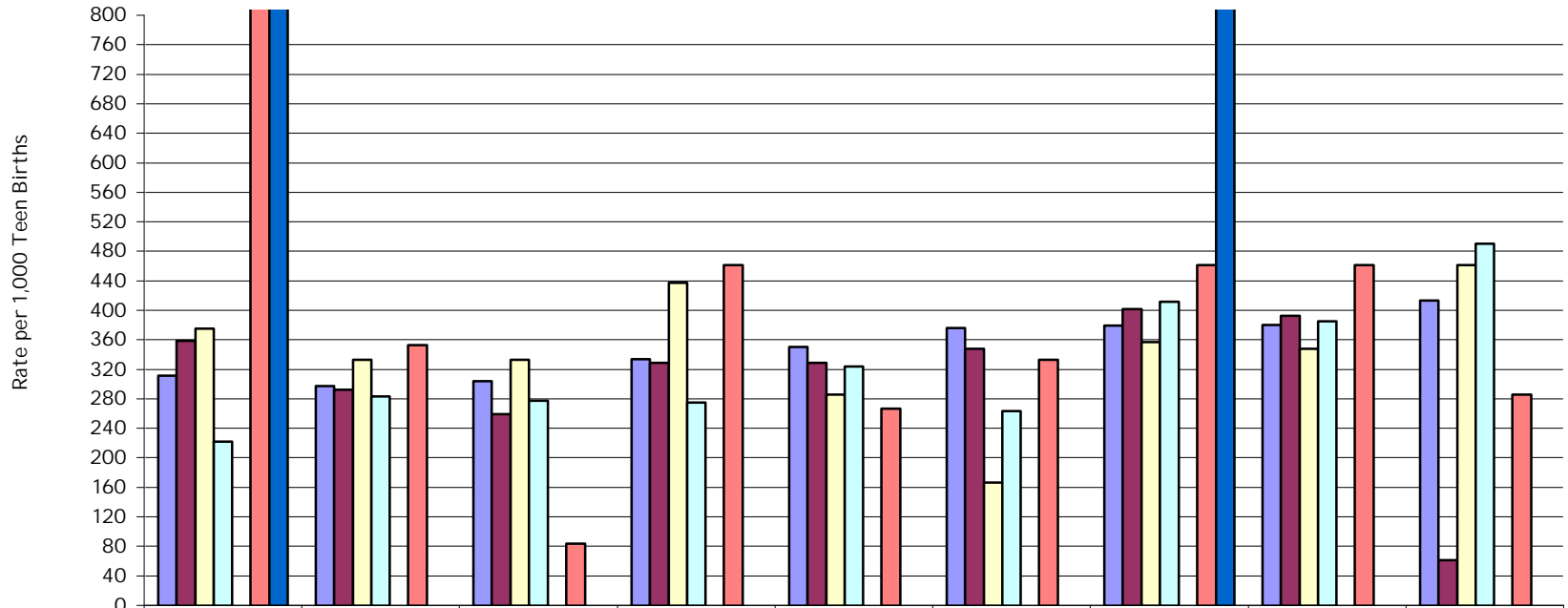
State and County Vs. Cities

1992-2000



	2000	1999	1998	1997	1996	1995	1994	1993	1992
Ohio	132.3	136.3	135.7	131.3	132.7	127.6	133.5	135.1	137.4
Stark County	125.0	195.1	132.5	89.0	146.9	130.4	165.6	100.0	198.6
ALLIANCE CITY	375.0	333.3	83.3	125.0	214.3	166.7	214.3	130.4	384.6
CANTON CITY	111.1	194.7	142.9	73.4	171.4	131.6	184.9	93.8	160.4
LOUISVILLE CITY	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MASSILLON CITY	0.0	176.5	83.3	76.9	0.0	66.7	76.9	153.8	214.3
NORTH CANTON CITY	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

African American No 1st Trimester Prenatal Care  
Rate per 1,000 Teen Births  
State and County Vs. Cities  
1992-2000

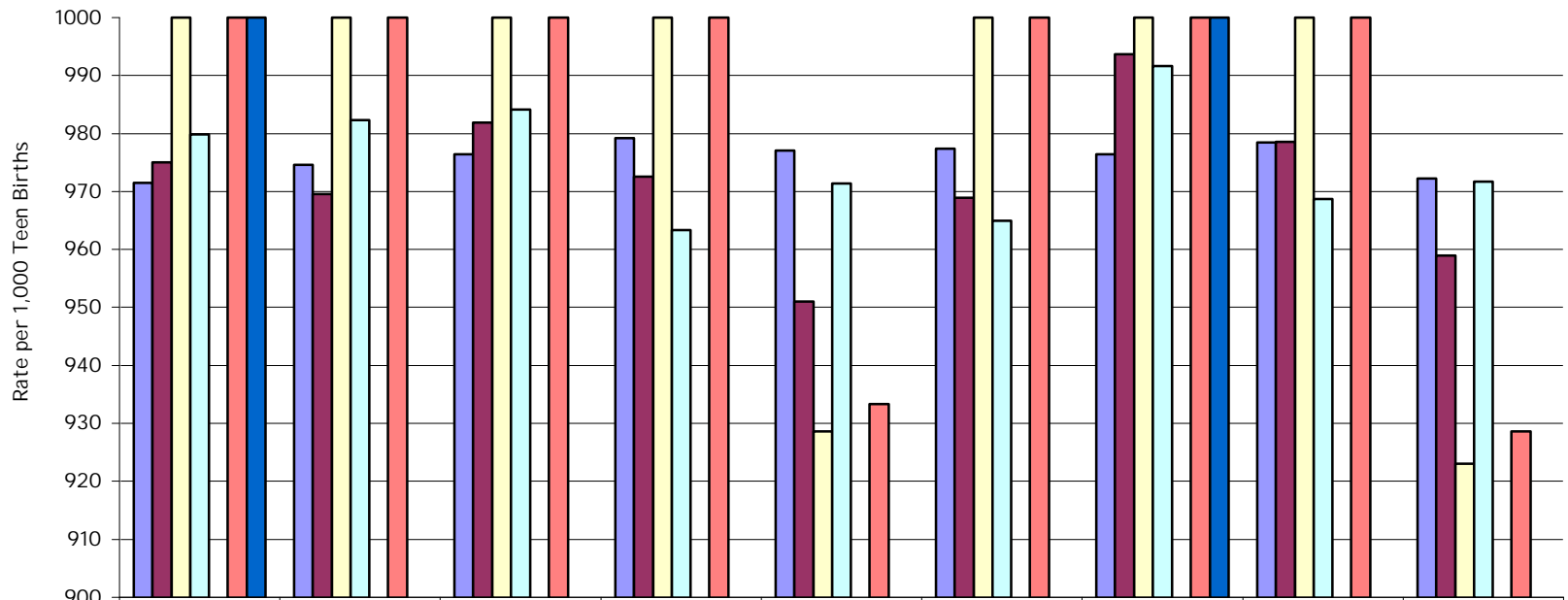


	2000	1999	1998	1997	1996	1995	1994	1993	1992
Ohio	311.3	297.0	304.1	333.5	350.0	376.2	379.5	379.8	413.5
Stark County	358.3	292.7	259.0	328.8	328.7	347.8	401.3	392.9	61.6
ALLIANCE CITY	375.0	333.3	333.3	437.5	285.7	166.7	357.1	347.8	461.5
CANTON CITY	222.2	283.2	277.8	275.2	323.8	263.2	411.8	385.4	490.6
LOUISVILLE CITY	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MASSILLON CITY	833.3	352.9	83.3	461.5	266.7	333.3	461.5	461.5	285.7
NORTH CANTON CITY	1000.0	0.0	0.0	0.0	0.0	0.0	1000.0	0.0	0.0

### African American Births to Unwed Mothers

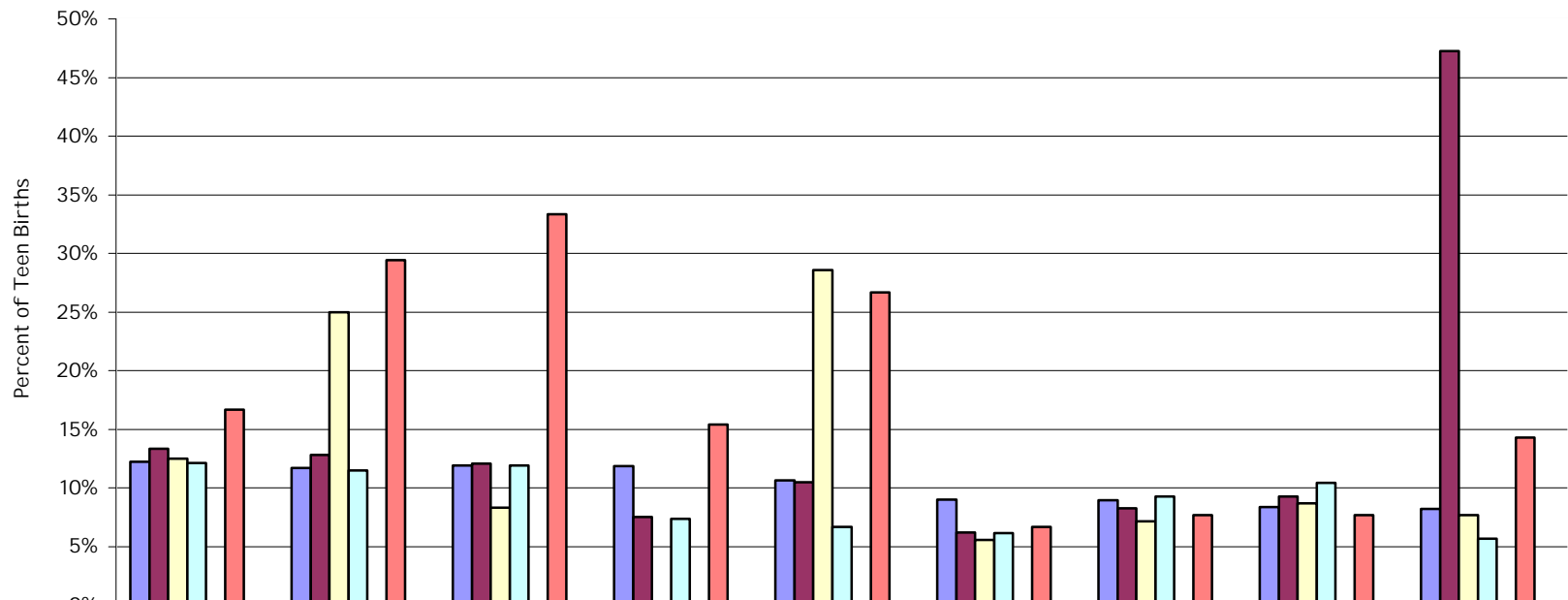
Rate per 1,000 Teen Births  
State and County Vs. Cities

1992-2000



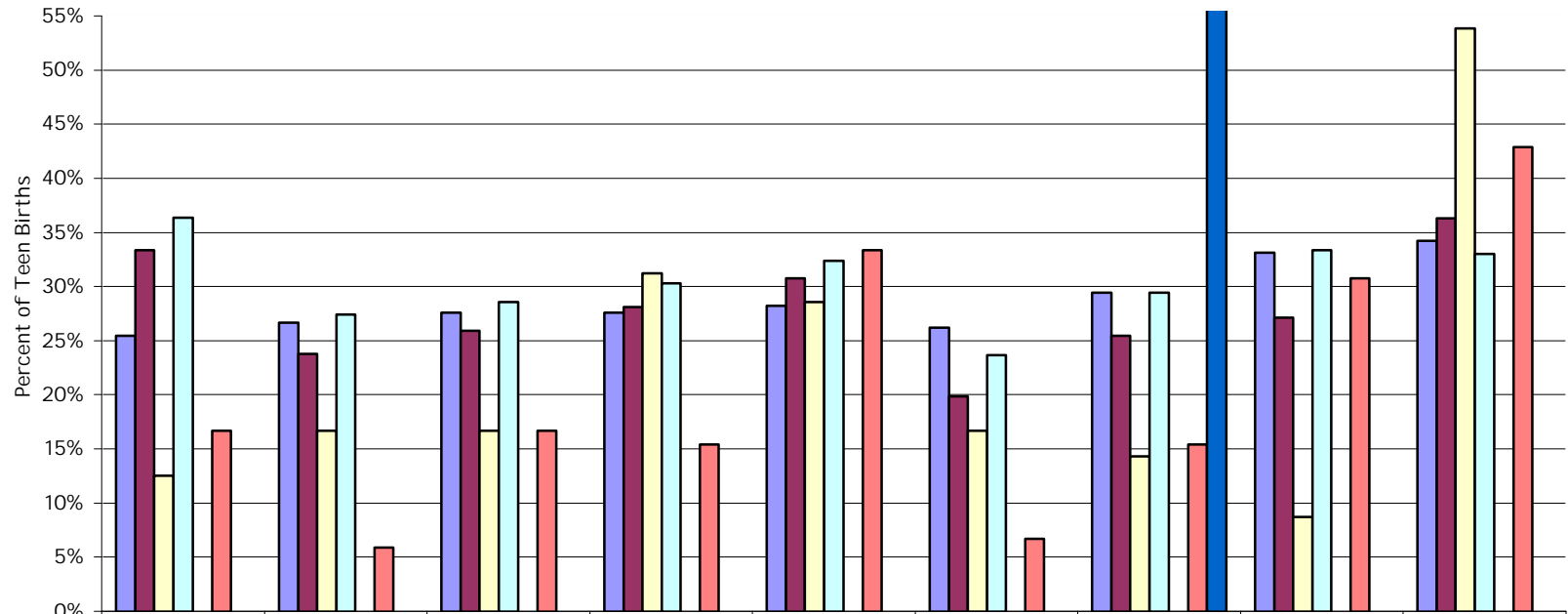
	2000	1999	1998	1997	1996	1995	1994	1993	1992
Ohio	971.4	974.6	976.4	979.2	977.1	977.4	976.4	978.4	972.3
Stark County	975.0	969.5	981.9	972.6	951.0	968.9	993.6	978.6	958.9
ALLIANCE CITY	1000.0	1000.0	1000.0	1000.0	928.6	1000.0	1000.0	1000.0	923.1
CANTON CITY	979.8	982.3	984.1	963.3	971.4	964.9	991.6	968.8	971.7
LOUISVILLE CITY	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MASSILLON CITY	1000.0	1000.0	1000.0	1000.0	933.3	1000.0	1000.0	1000.0	928.6
NORTH CANTON CITY	1000.0	0.0	0.0	0.0	0.0	0.0	1000.0	0.0	0.0

African American Tobacco Use Indicated  
Percent of Total Teen Births  
State and County Vs. Cities  
1992-2000



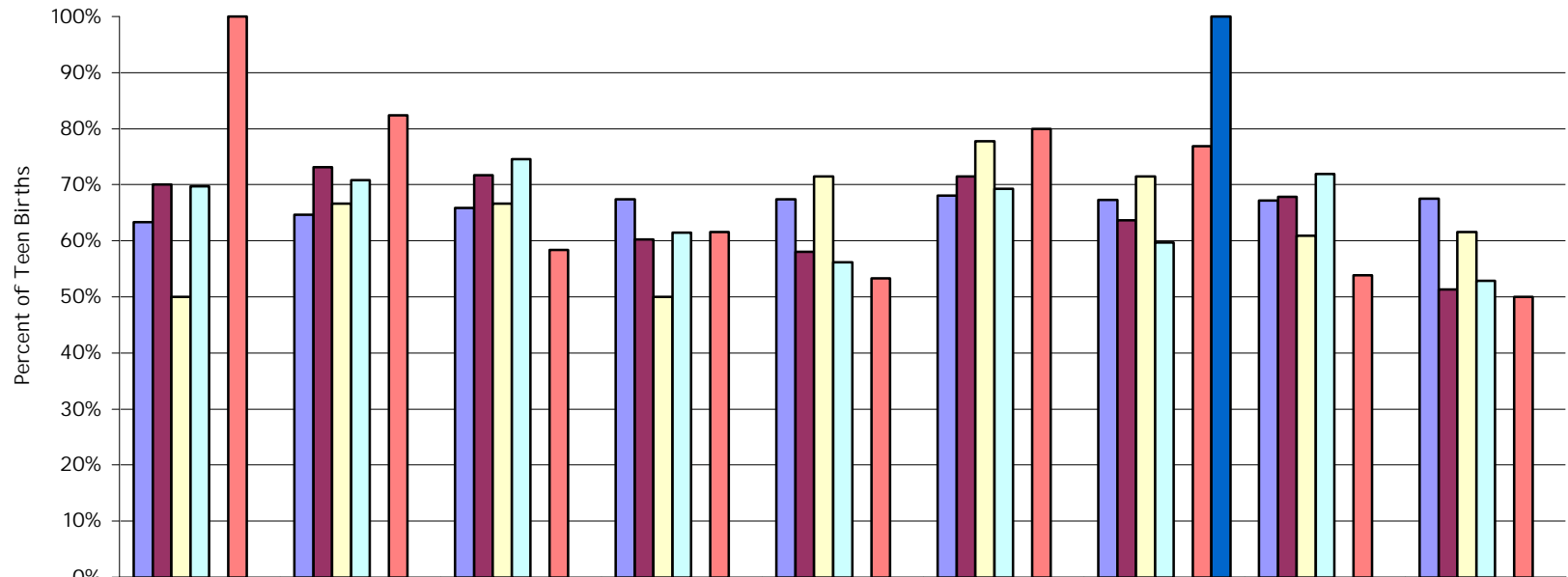
	2000	1999	1998	1997	1996	1995	1994	1993	1992
Ohio	12.23%	11.70%	11.90%	11.84%	10.63%	8.99%	8.93%	8.36%	8.20%
Stark County	13.33%	12.80%	12.05%	7.53%	10.49%	6.21%	8.28%	9.29%	47.26%
ALLIANCE CITY	12.50%	25.00%	8.33%	0.00%	28.57%	5.56%	7.14%	8.70%	7.69%
CANTON CITY	12.12%	11.50%	11.90%	7.34%	6.67%	6.14%	9.24%	10.42%	5.66%
LOUISVILLE CITY	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
MASSILLON CITY	16.67%	29.41%	33.33%	15.38%	26.67%	6.67%	7.69%	7.69%	14.29%
NORTH CANTON CITY	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%

African American One/More Previous Live Births  
Percent of Total Teen Births  
State and County Vs. Cities  
1992-2000



	2000	1999	1998	1997	1996	1995	1994	1993	1992
Ohio	25.46%	26.65%	27.58%	27.58%	28.23%	26.20%	29.42%	33.11%	34.24%
Stark County	33.33%	23.78%	25.90%	28.08%	30.77%	19.88%	25.48%	27.14%	36.30%
ALLIANCE CITY	12.50%	16.67%	16.67%	31.25%	28.57%	16.67%	14.29%	8.70%	53.85%
CANTON CITY	36.36%	27.43%	28.57%	30.28%	32.38%	23.68%	29.41%	33.33%	33.02%
LOUISVILLE CITY	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
MASSILLON CITY	16.67%	5.88%	16.67%	15.38%	33.33%	6.67%	15.38%	30.77%	42.86%
NORTH CANTON CITY	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	100.00%	0.00%	0.00%

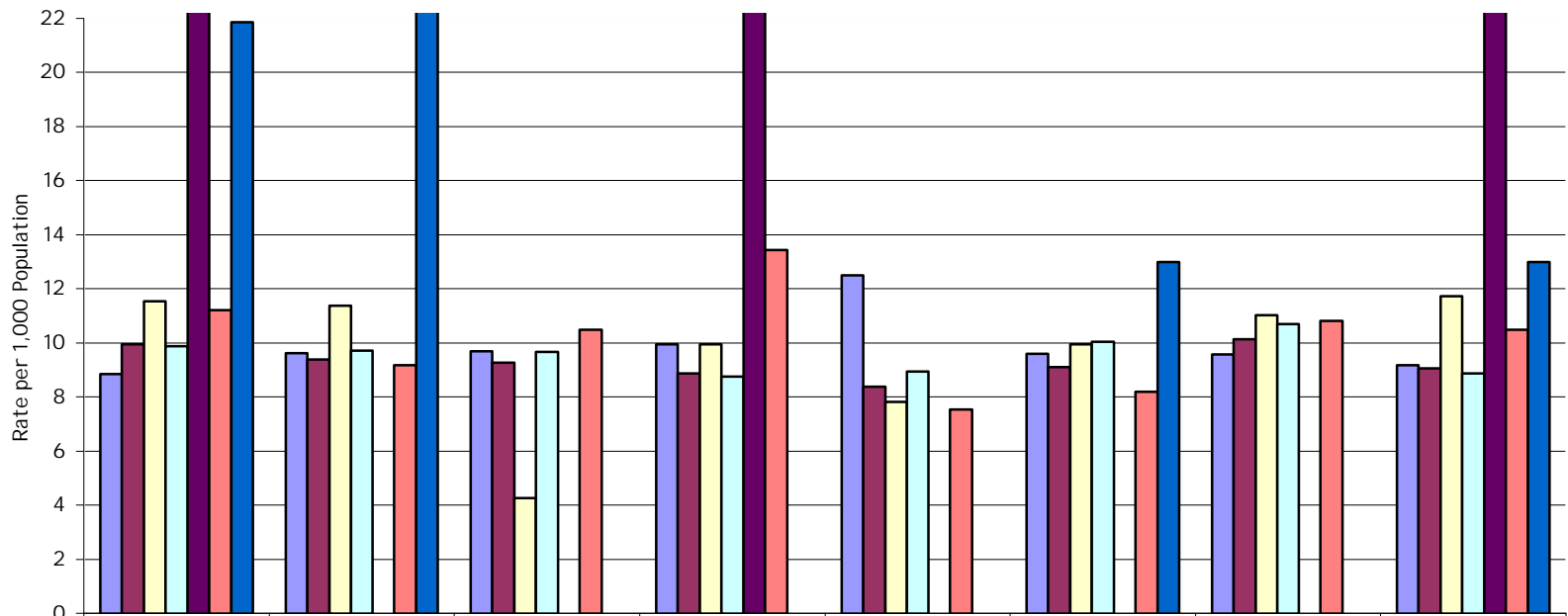
African American 12th Grade Ed Not Completed  
Percent of Total Teen Births  
State and County Vs. Cities  
1992-2000



	2000	1999	1998	1997	1996	1995	1994	1993	1992
Ohio	63.29%	64.66%	65.90%	67.44%	67.35%	68.01%	67.33%	67.18%	67.53%
Stark County	70.00%	73.17%	71.69%	60.27%	58.04%	71.43%	63.69%	67.86%	51.37%
ALLIANCE CITY	50.00%	66.67%	66.67%	50.00%	71.43%	77.78%	71.43%	60.87%	61.54%
CANTON CITY	69.70%	70.80%	74.60%	61.47%	56.19%	69.30%	59.66%	71.88%	52.83%
LOUISVILLE CITY	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
MASSILLON CITY	100.00%	82.35%	58.33%	61.54%	53.33%	80.00%	76.92%	53.85%	50.00%
NORTH CANTON CITY	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	100.00%	0.00%	0.00%

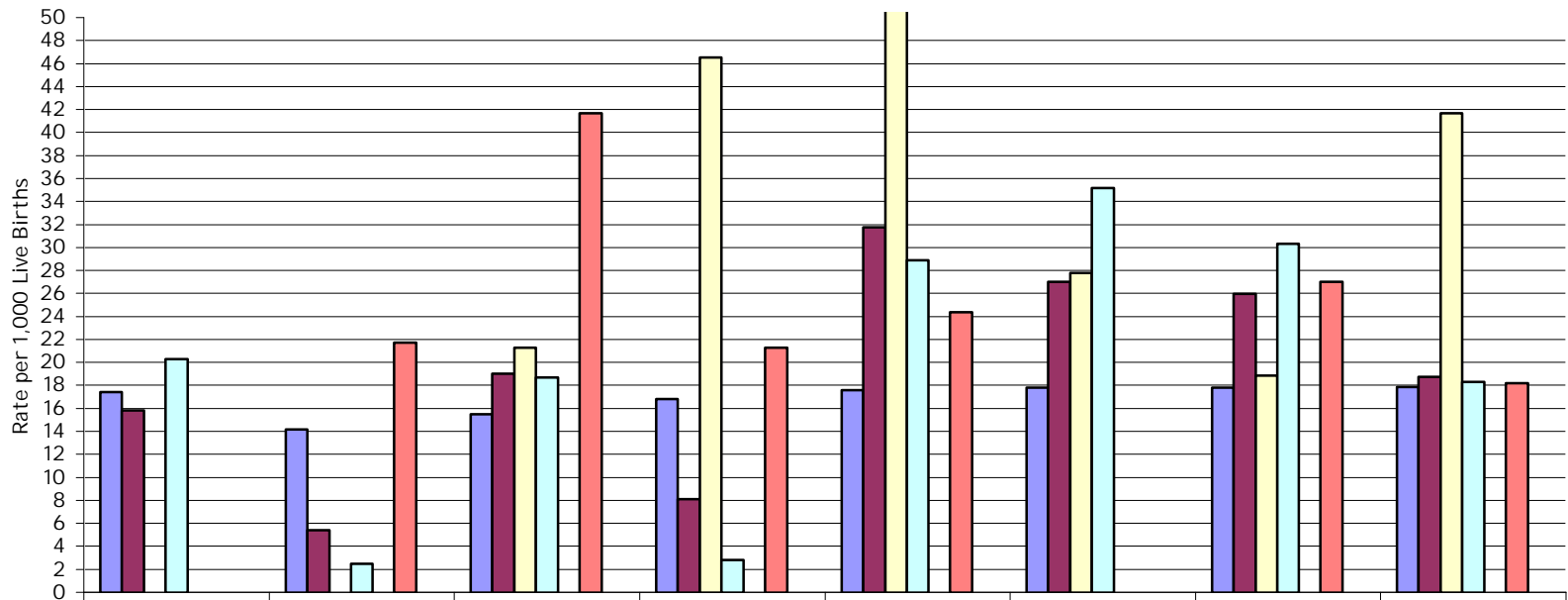
### African American Infant, Neonatal, Fetal Deaths

Rate per 1,000 Population  
State and County Vs. Cities  
1992-1999



	1999	1998	1997	1996	1995	1994	1993	1992
Ohio	8.84	9.62	9.68	9.94	12.50	9.58	9.57	9.17
Stark County	10.0	9.4	9.3	8.9	8.4	9.1	10.1	9.1
ALLIANCE CITY	11.5	11.4	4.3	10.0	7.8	10.0	11.0	11.7
CANTON CITY	9.9	9.7	9.7	8.7	8.9	10.0	10.7	8.9
LOUISVILLE CITY	71.4	0.0	0.0	1000.0	0.0	0.0	0.0	1000.0
MASSILLON CITY	11.2	9.2	10.5	13.4	7.5	8.2	10.8	10.5
NORTH CANTON CITY	21.9	26.0	0.0	0.0	0.0	13.0	0.0	13.0

African American Infant Deaths  
Rate per 1,000 Live Births  
State and County Vs. Cities  
1992-1999



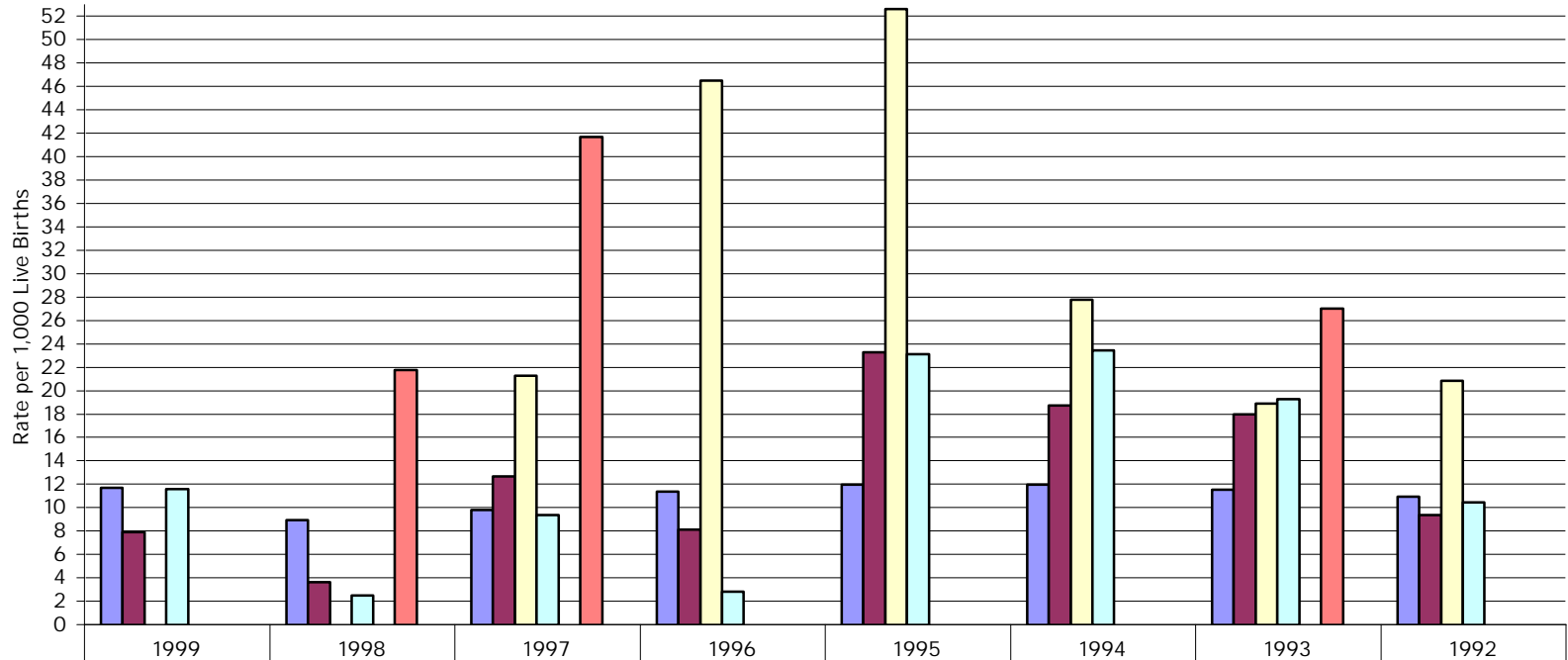
	1999	1998	1997	1996	1995	1994	1993	1992
Ohio	17.4	14.2	15.5	16.8	17.6	17.8	17.8	17.9
Stark County	15.8	5.4	19.0	8.1	31.8	27.0	25.9	18.7
ALLIANCE CITY	0.0	0.0	21.3	46.5	78.9	27.8	18.9	41.7
CANTON CITY	20.3	2.5	18.7	2.8	28.9	35.2	30.3	18.3
LOUISVILLE CITY	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MASSILLON CITY	0.0	21.7	41.7	21.3	24.4	0.0	27.0	18.2
NORTH CANTON CITY	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

### African American Neonatal Deaths

Rate per 1,000 Live Births

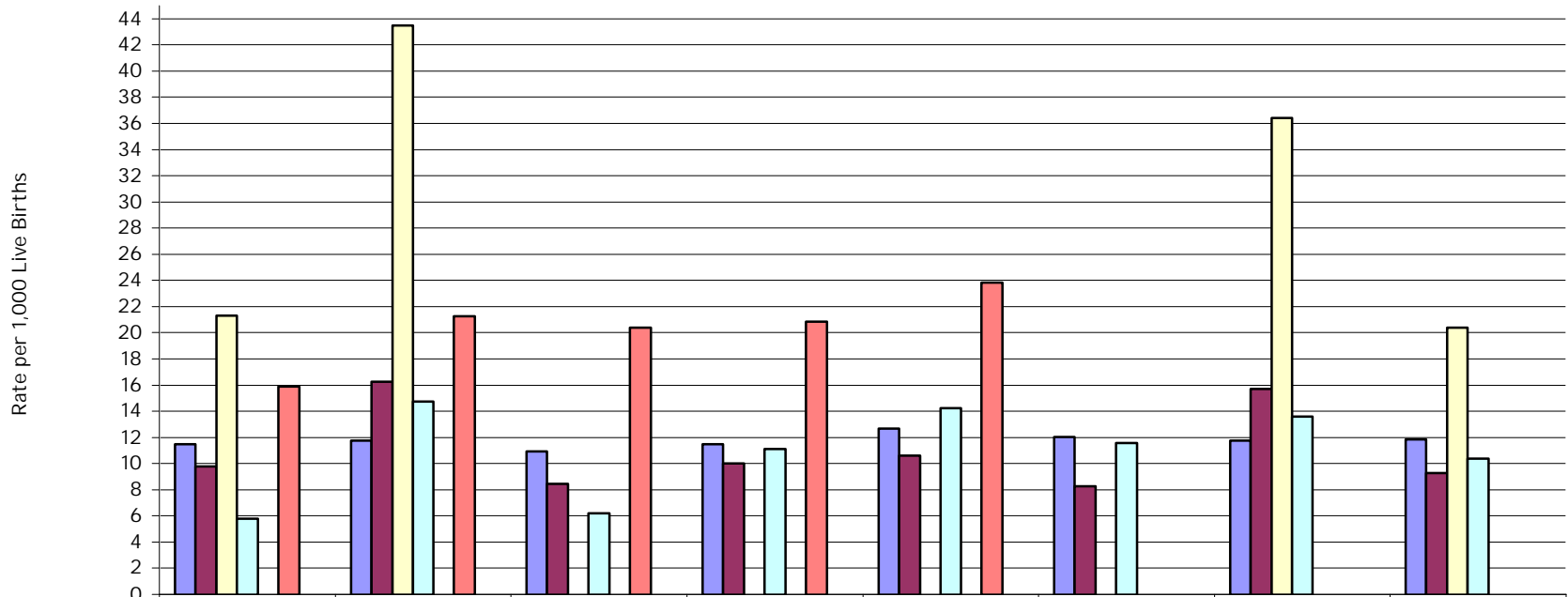
State and County Vs. Cities

1992-1999



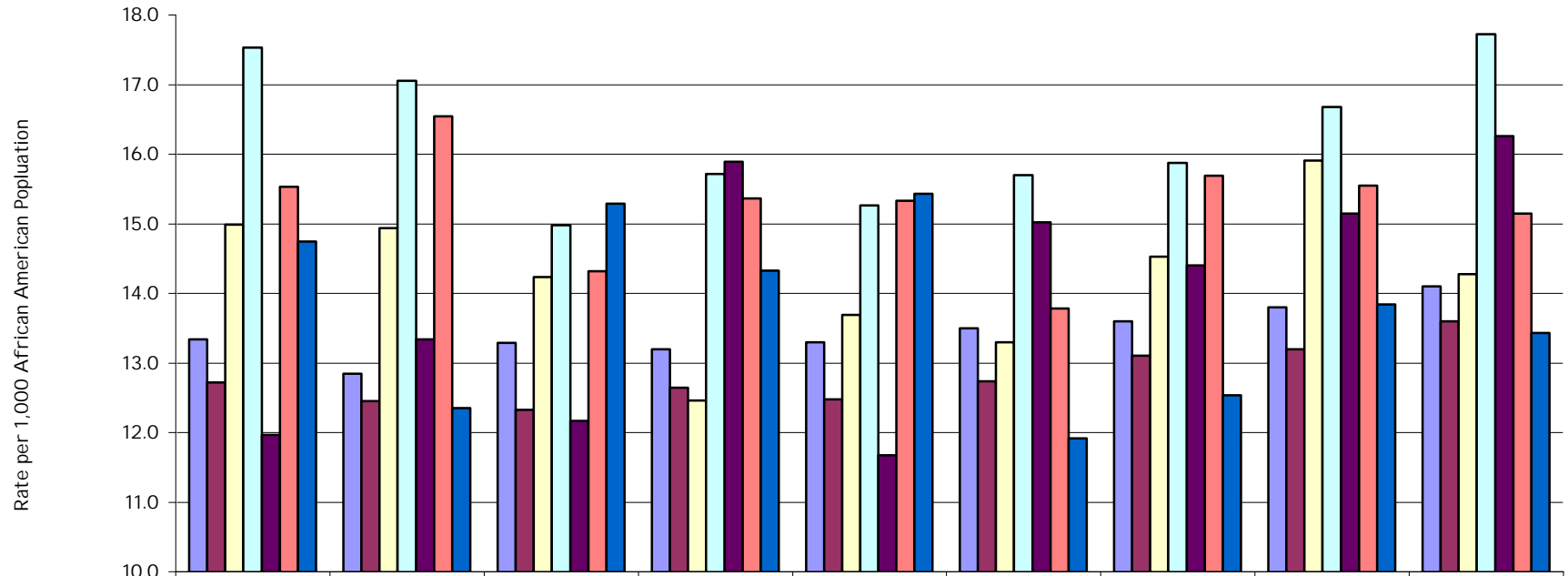
	1999	1998	1997	1996	1995	1994	1993	1992
Ohio	11.7	8.9	9.8	11.4	11.9	11.9	11.5	10.9
Stark County	7.9	3.6	12.7	8.1	23.3	18.7	18.0	9.4
ALLIANCE CITY	0.0	0.0	21.3	46.5	52.6	27.8	18.9	20.8
CANTON CITY	11.6	2.5	9.3	2.8	23.1	23.5	19.3	10.5
LOUISVILLE CITY	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MASSILLON CITY	0.0	21.7	41.7	0.0	0.0	0.0	27.0	0.0
NORTH CANTON CITY	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

African American Fetal Deaths  
Rate per 1,000 Live Births  
State and County Vs. Cities  
1992-1999



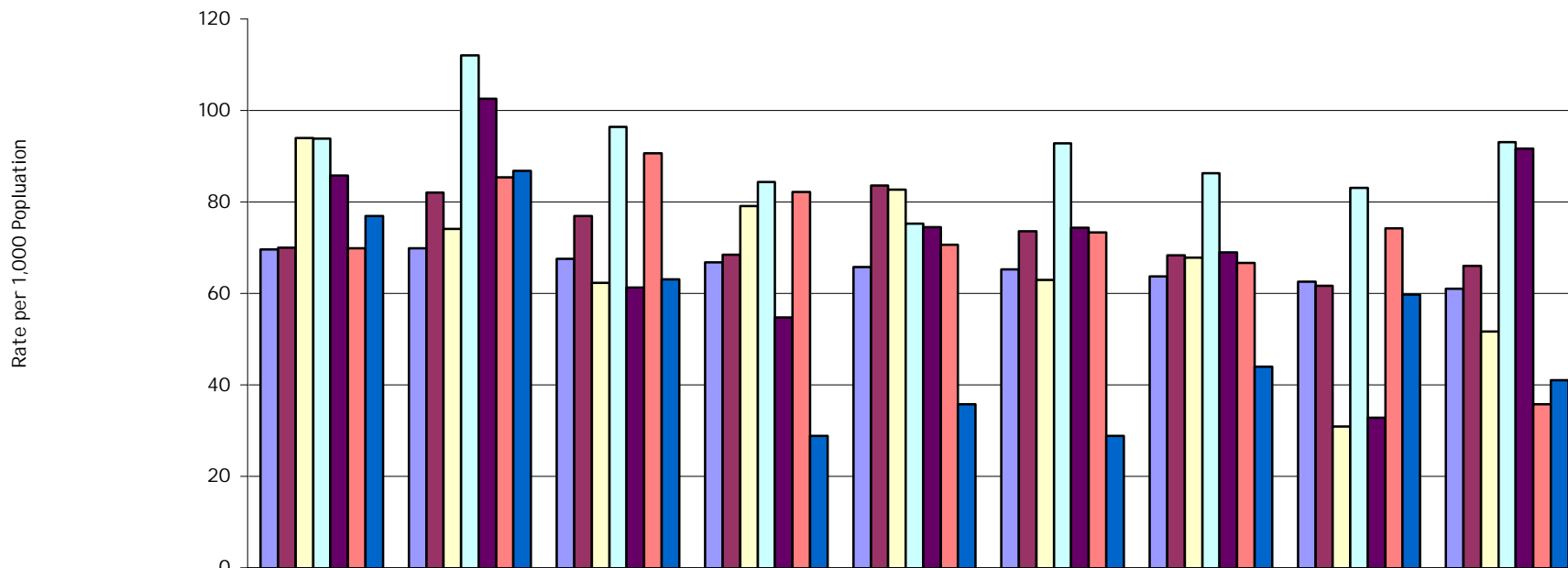
Ohio	11.5	11.7	10.9	11.5	12.7	12.1	11.8	11.9
Stark County	9.8	16.2	8.5	10.0	10.6	8.2	15.7	9.3
ALLIANCE CITY	21.3	43.5	0.0	0.0	0.0	0.0	36.4	20.4
CANTON CITY	5.8	14.7	6.2	11.1	14.2	11.6	13.6	10.4
LOUISVILLE CITY	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MASSILLON CITY	15.9	21.3	20.4	20.8	23.8	0.0	0.0	0.0
NORTH CANTON CITY	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

White Births  
Rate per 1,000 Live Births  
State and County Vs. Cities  
1992-2000



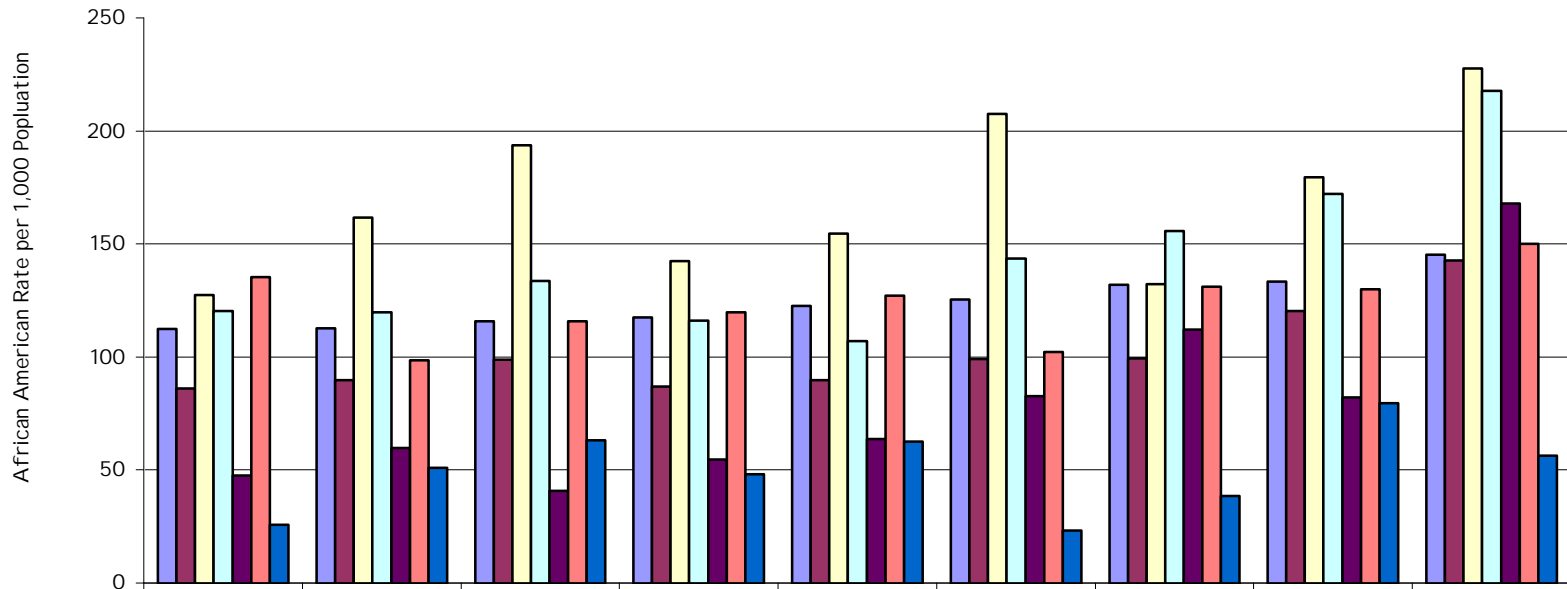
	2000	1999	1998	1997	1996	1995	1994	1993	1992
Ohio	13.3	12.8	13.3	13.2	13.3	13.5	13.6	13.8	14.1
Stark County	12.7	12.5	12.3	12.6	12.5	12.7	13.1	13.2	13.6
Alliance City	15.0	14.9	14.2	12.5	13.7	13.3	14.5	15.9	14.3
Canton City	17.5	17.1	15.0	15.7	15.3	15.7	15.9	16.7	17.7
Louisville City	12.0	13.3	12.2	15.9	11.7	15.0	14.4	15.1	16.3
Massillion City	15.5	16.5	14.3	15.4	15.3	13.8	15.7	15.5	15.1
North Canton	14.7	12.4	15.3	14.3	15.4	11.9	12.5	13.8	13.4

White Low Birth Weight Births  
 Rate per 1,000 Live Births  
 State and County Vs. Cities  
 1992-2000



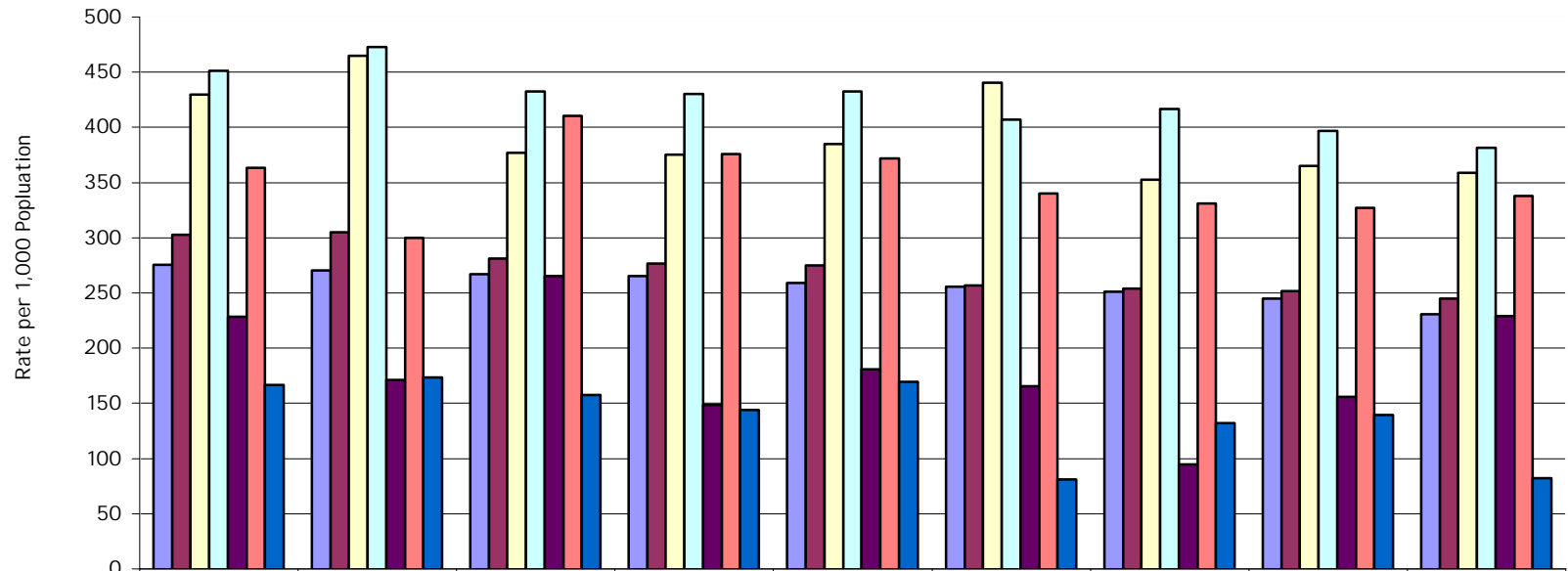
	2000	1999	1998	1997	1996	1995	1994	1993	1992
Ohio	69.6	69.9	67.5	66.8	65.7	65.3	63.7	62.5	61.0
Stark County	70.0	82.1	77.0	68.5	83.6	73.5	68.4	61.6	66.0
ALLIANCE CITY	94.0	74.1	62.3	79.1	82.7	63.0	67.8	31.0	51.7
CANTON CITY	93.8	112.1	96.4	84.3	75.3	92.9	86.3	83.0	93.1
LOUISVILLE CITY	85.7	102.6	61.2	54.7	74.5	74.4	69.0	32.8	91.6
MASSILLON CITY	69.9	85.3	90.7	82.2	70.6	73.3	66.7	74.2	35.7
NORTH CANTON CITY	76.9	86.7	63.1	28.8	35.7	28.9	44.0	59.7	41.0

White No 1st Trimester Prenatal Care  
Rate per 1,000 Live Births  
State and County Vs. Cities  
1992-2000



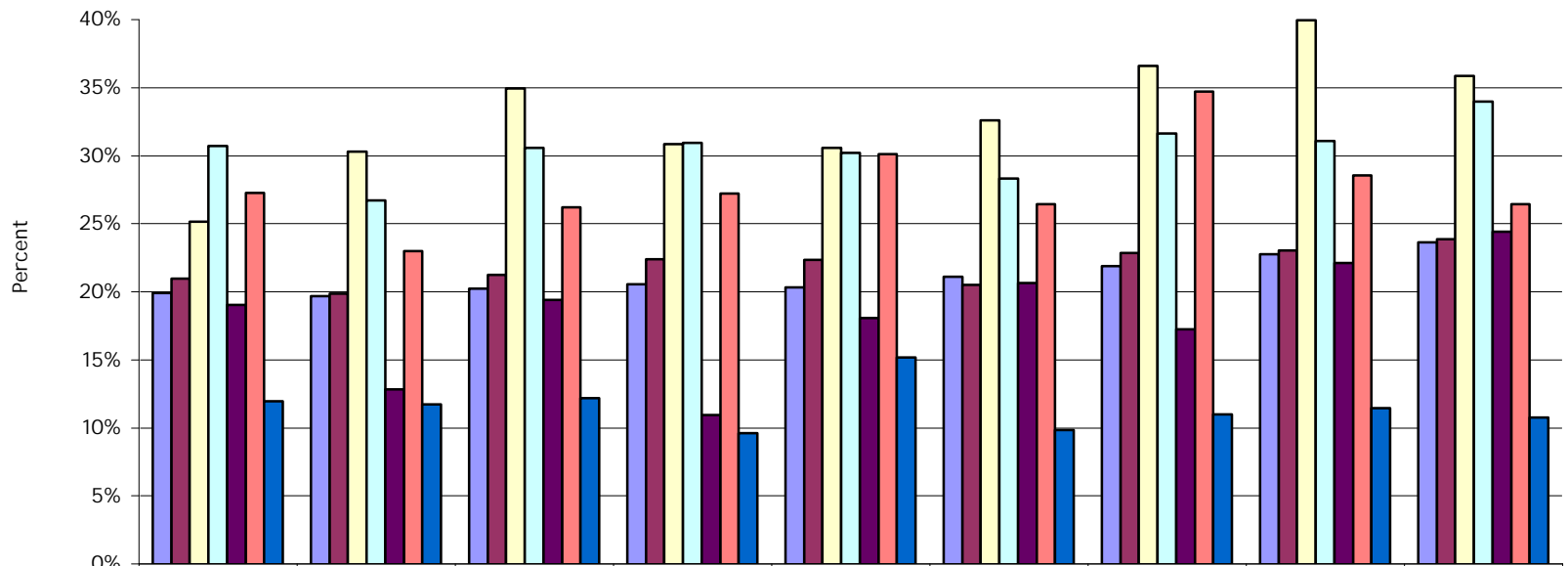
	2000	1999	1998	1997	1996	1995	1994	1993	1992
Ohio	112.4	112.7	115.8	117.6	122.5	125.5	131.9	133.3	145.3
Stark County	86.2	89.6	98.9	86.9	89.7	99.0	99.4	120.3	142.7
ALLIANCE CITY	127.5	161.6	193.8	142.3	154.7	207.4	132.2	179.6	227.6
CANTON CITY	120.4	119.9	133.7	116.2	107.1	143.5	155.8	172.3	217.8
LOUISVILLE CITY	47.6	59.8	40.8	54.7	63.8	82.6	112.1	82.0	167.9
MASSILLON CITY	135.2	98.5	115.9	119.7	127.1	102.1	131.0	129.9	150.0
NORTH CANTON CITY	25.6	51.0	63.1	48.1	62.5	23.1	38.5	79.6	56.4

White Births to Unwed Mothers  
Rate per 1,000 Live Births  
State and County Vs. Cities  
1992-2000



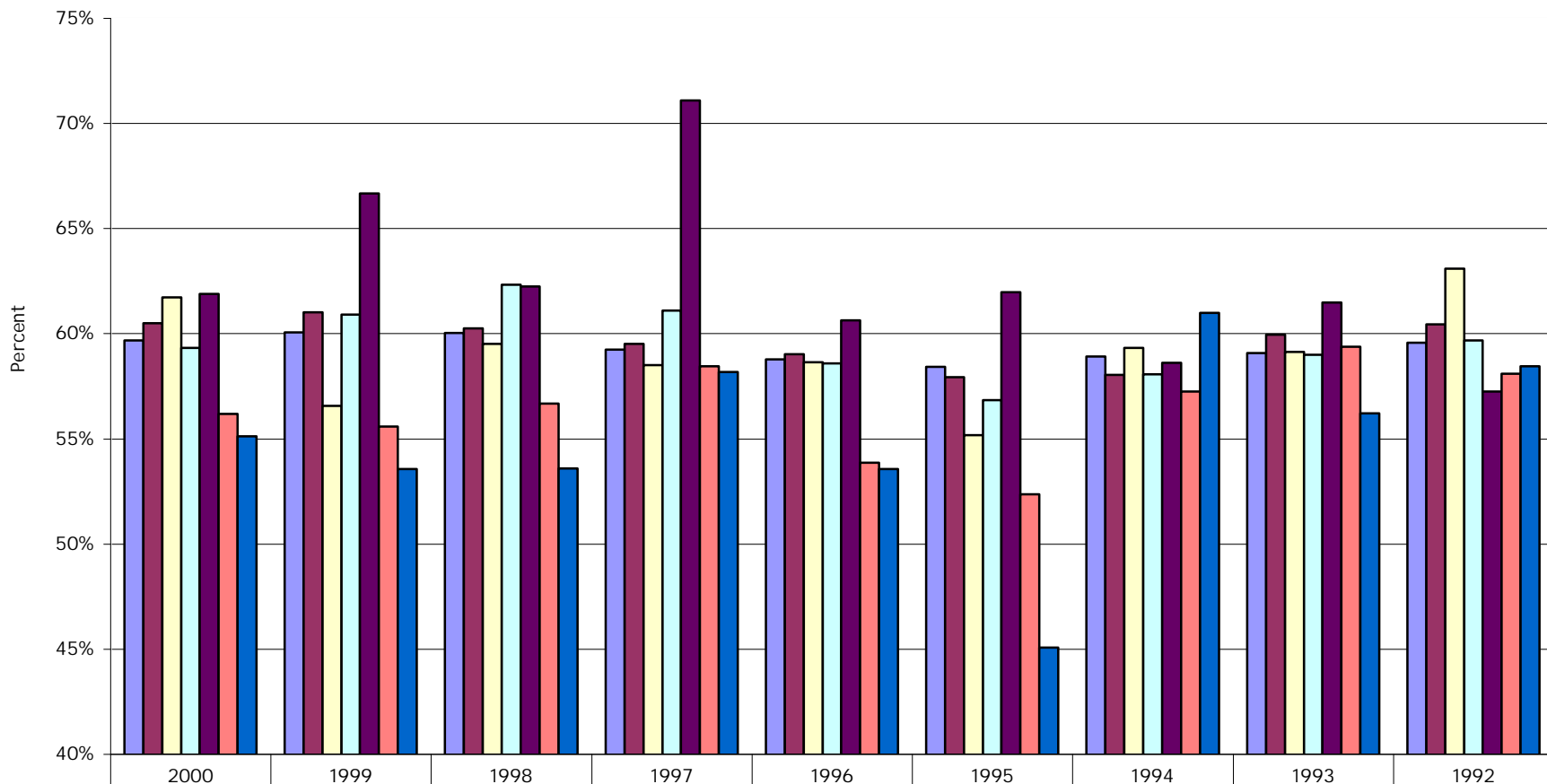
	2000	1999	1998	1997	1996	1995	1994	1993	1992
Ohio	275.6	270.5	266.8	265.0	259.2	255.5	251.2	244.7	230.5
Stark County	302.5	304.9	281.1	276.6	274.7	256.7	254.1	251.6	244.9
ALLIANCE CITY	429.5	464.6	377.2	375.5	384.9	440.7	352.5	365.3	358.6
CANTON CITY	451.2	472.7	432.6	430.2	432.4	407.1	416.5	396.6	381.5
LOUISVILLE CITY	228.6	170.9	265.3	148.4	180.9	165.3	94.8	155.7	229.0
MASSILLON CITY	363.6	299.8	410.6	375.6	371.8	340.3	331.0	327.1	338.1
NORTH CANTON CITY	166.7	173.5	157.7	144.2	169.6	80.9	131.9	139.3	82.1

White Tobacco Use Indicated  
Percent of Total Live Births  
State and County Vs. Cities  
1992-1999



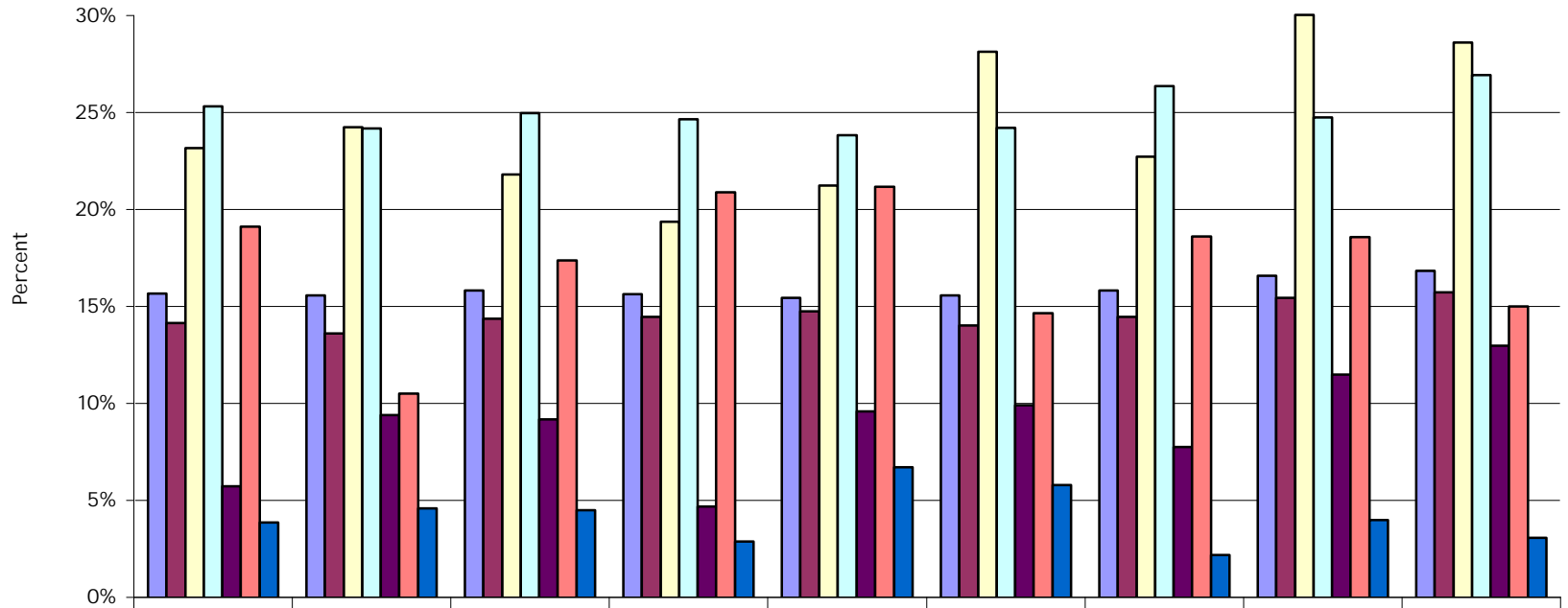
	2000	1999	1998	1997	1996	1995	1994	1993	1992
Ohio	19.90%	19.67%	20.24%	20.56%	20.34%	21.09%	21.89%	22.75%	23.62%
Stark County	20.96%	19.85%	21.25%	22.40%	22.34%	20.49%	22.85%	23.01%	23.84%
ALLIANCE CITY	25.17%	30.30%	34.95%	30.83%	30.58%	32.59%	36.61%	39.94%	35.86%
CANTON CITY	30.71%	26.71%	30.58%	30.93%	30.21%	28.33%	31.63%	31.10%	34.00%
LOUISVILLE CITY	19.05%	12.82%	19.39%	10.94%	18.09%	20.66%	17.24%	22.13%	24.43%
MASSILLON CITY	27.27%	22.98%	26.20%	27.23%	30.12%	26.44%	34.71%	28.54%	26.43%
NORTH CANTON CITY	11.97%	11.73%	12.16%	9.62%	15.18%	9.83%	10.99%	11.44%	10.77%

White One or More Previous Live Births  
Percent of Total Live Births  
State and County Vs. Cities  
1992-2000



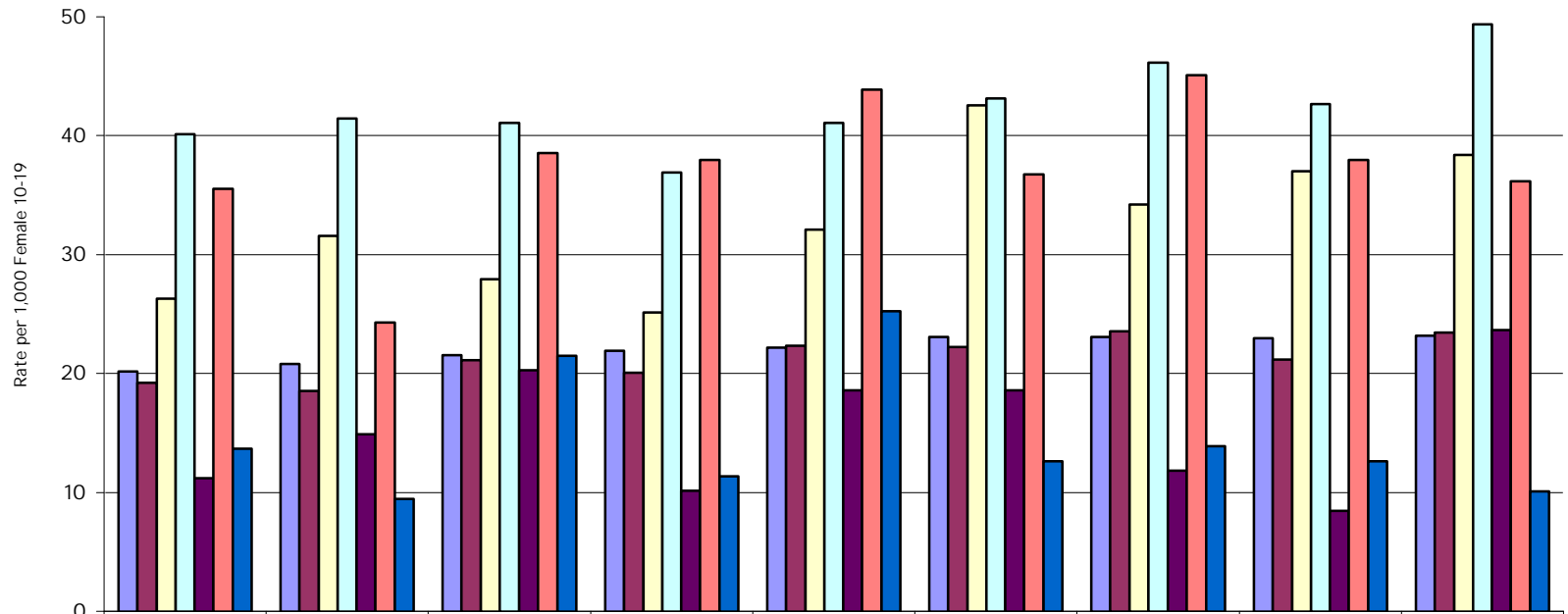
	2000	1999	1998	1997	1996	1995	1994	1993	1992
Ohio	59.68%	60.06%	60.03%	59.24%	58.79%	58.44%	58.92%	59.07%	59.57%
Stark County	60.49%	61.02%	60.25%	59.52%	59.02%	57.93%	58.04%	59.96%	60.46%
ALLIANCE CITY	61.74%	56.57%	59.52%	58.50%	58.63%	55.19%	59.32%	59.13%	63.10%
CANTON CITY	59.33%	60.91%	62.34%	61.10%	58.59%	56.84%	58.07%	59.01%	59.68%
LOUISVILLE CITY	61.90%	66.67%	62.24%	71.09%	60.64%	61.98%	58.62%	61.48%	57.25%
MASSILLON CITY	56.18%	55.58%	56.68%	58.45%	53.88%	52.36%	57.24%	59.40%	58.10%
NORTH CANTON CITY	55.13%	53.57%	53.60%	58.17%	53.57%	45.09%	60.99%	56.22%	58.46%

White 12th Grade Ed Not Completed  
Percent of Total Live Births  
State and County Vs. Cities  
1992-2000



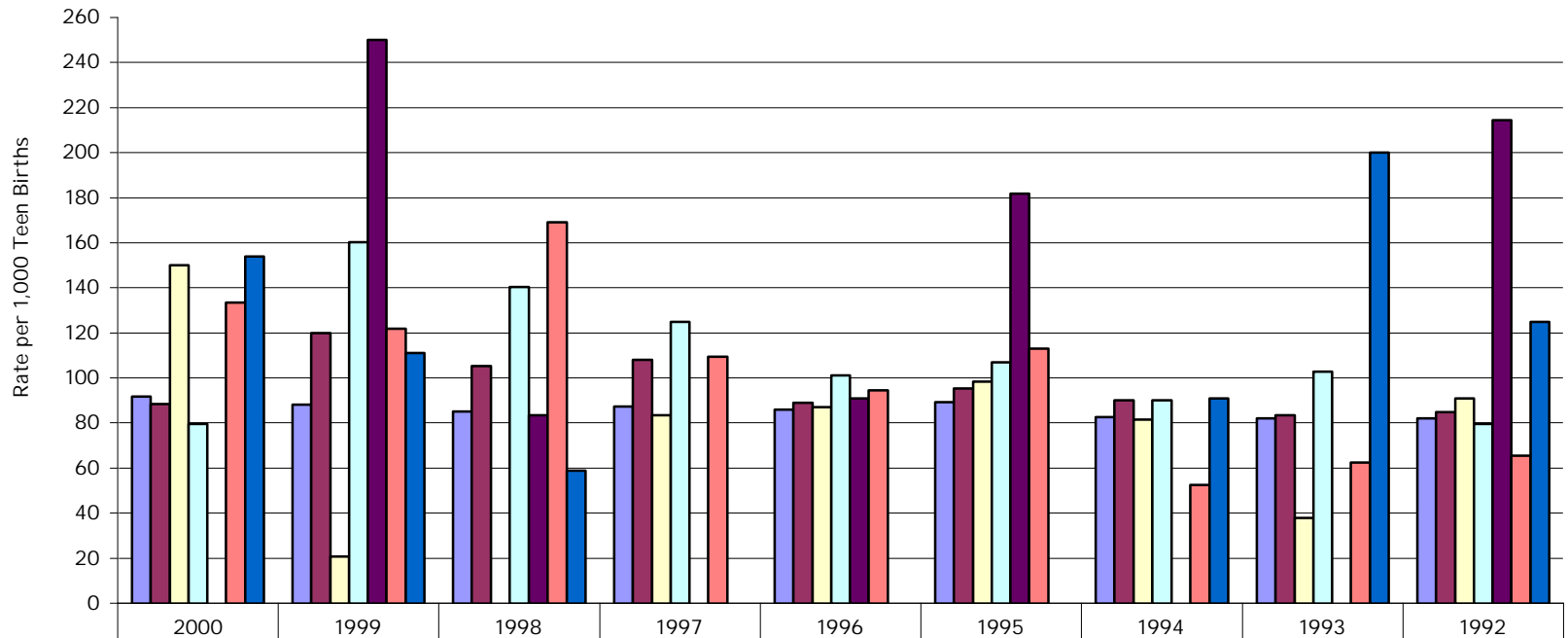
	2000	1999	1998	1997	1996	1995	1994	1993	1992
Ohio	15.66%	15.58%	15.83%	15.63%	15.43%	15.57%	15.82%	16.59%	16.82%
Stark County	14.14%	13.62%	14.36%	14.45%	14.76%	14.01%	14.46%	15.45%	15.74%
ALLIANCE CITY	23.15%	24.24%	21.80%	19.37%	21.22%	28.15%	22.71%	30.03%	28.62%
CANTON CITY	25.31%	24.17%	24.98%	24.65%	23.84%	24.20%	26.35%	24.73%	26.93%
LOUISVILLE CITY	5.71%	9.40%	9.18%	4.69%	9.57%	9.92%	7.76%	11.48%	12.98%
MASSILLON CITY	19.11%	10.50%	17.38%	20.89%	21.18%	14.66%	18.62%	18.56%	15.00%
NORTH CANTON CITY	3.85%	4.59%	4.50%	2.88%	6.70%	5.78%	2.20%	3.98%	3.08%

White Teen Fertility  
Rate per 1,000 females ages 10 to 19  
State and County Vs. Cities  
1992-2000



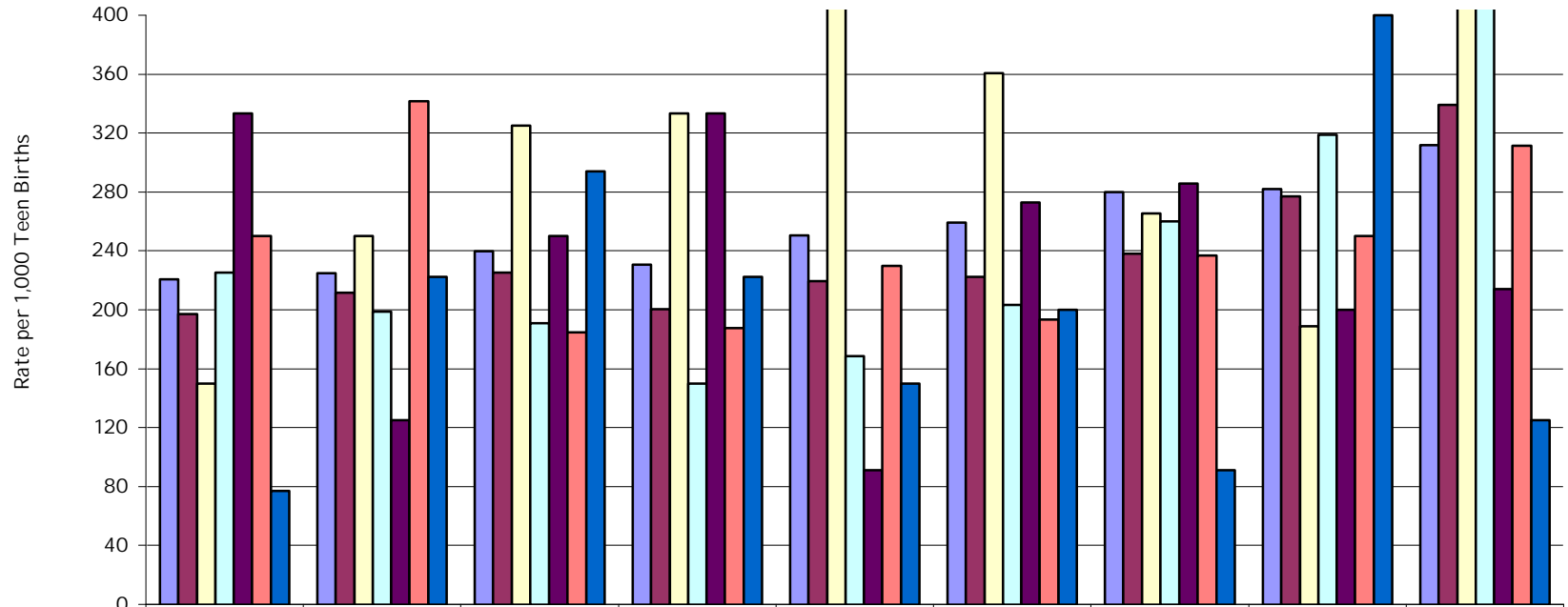
	2000	1999	1998	1997	1996	1995	1994	1993	1992
Ohio	20.2	20.8	21.6	21.9	22.2	23.1	23.1	22.9	23.2
Stark County	19.2	18.5	21.1	20.0	22.3	22.3	23.5	21.2	23.4
ALLIANCE CITY	26.3	31.6	27.9	25.1	32.1	42.6	34.2	37.0	38.4
CANTON CITY	40.1	41.4	41.1	36.9	41.1	43.1	46.1	42.7	49.4
LOUISVILLE CITY	11.2	14.9	20.3	10.1	18.6	18.6	11.8	8.4	23.6
MASSILLON CITY	35.5	24.3	38.6	38.0	43.9	36.8	45.1	38.0	36.2
NORTH CANTON CITY	13.7	9.5	21.5	11.4	25.3	12.6	13.9	12.6	10.1

White Low Birth Weight Births  
 Rate per 1,000 Teen Births  
 State and County Vs. Cities  
 1992-2000



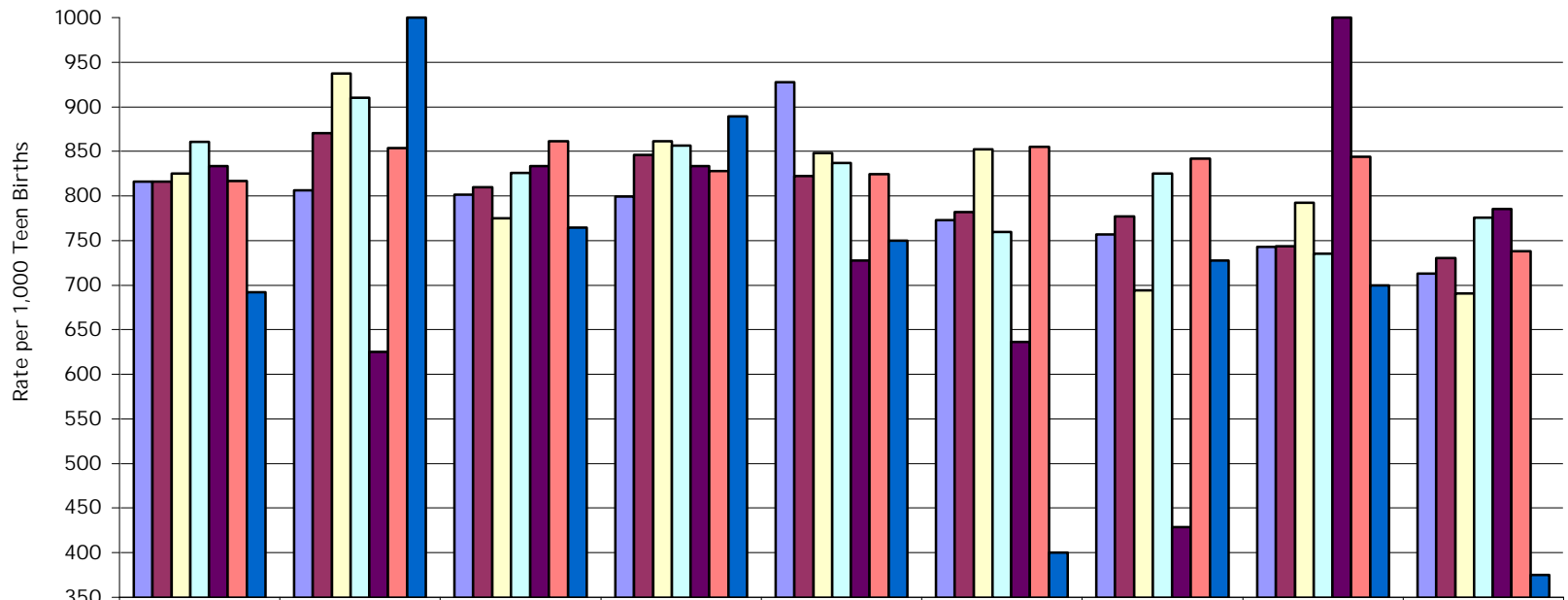
	2000	1999	1998	1997	1996	1995	1994	1993	1992
Ohio	91.9	88.1	85.0	87.4	85.9	89.2	82.7	81.9	82.0
Stark County	88.4	120.0	105.4	107.9	88.9	95.2	90.1	83.3	84.7
ALLIANCE CITY	150.0	20.8	0.0	83.3	87.0	98.4	81.6	37.7	90.9
CANTON CITY	79.5	160.3	140.4	125.0	101.1	107.0	90.0	102.7	79.4
LOUISVILLE CITY	0.0	250.0	83.3	0.0	90.9	181.8	0.0	0.0	214.3
MASSILLON CITY	133.3	122.0	169.2	109.4	94.6	112.9	52.6	62.5	65.6
NORTH CANTON CITY	153.8	111.1	58.8	0.0	0.0	0.0	90.9	200.0	125.0

White No 1st Trimester Prenatal Care  
 Rate per 1,000 Teen Births  
 State and County Vs. Cities  
 1992-2000



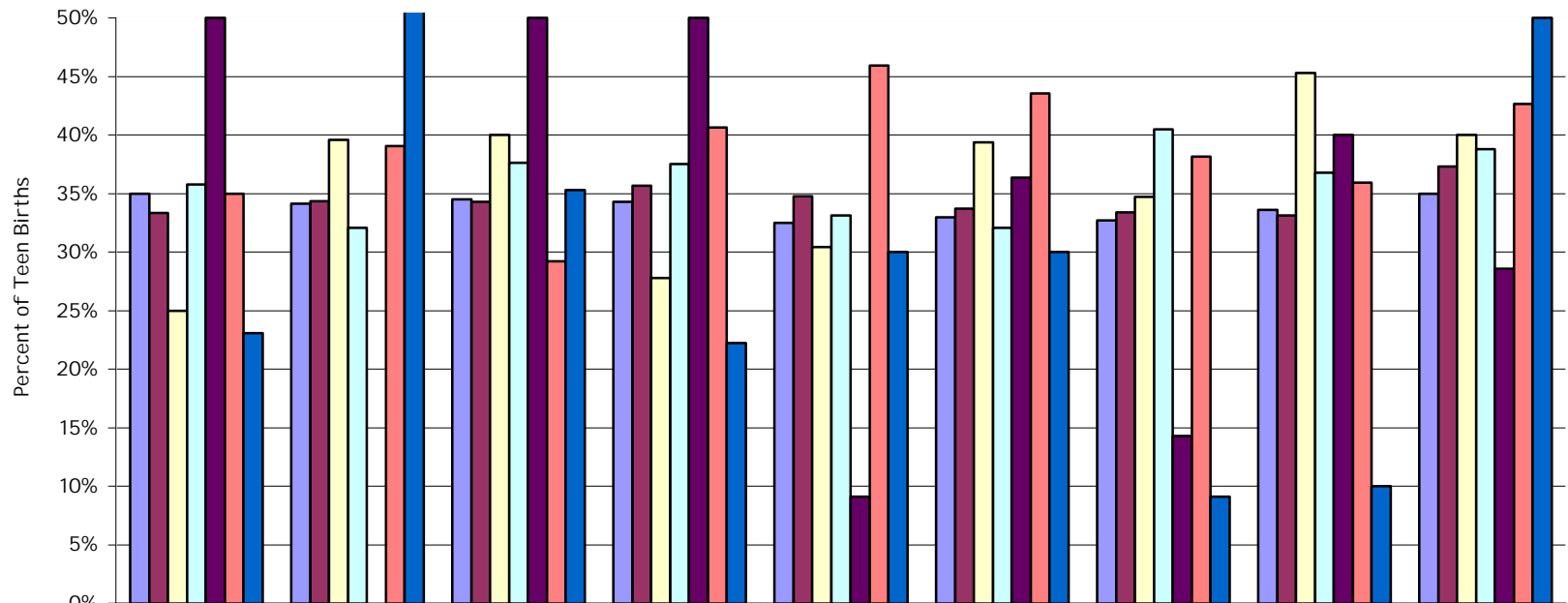
	2000	1999	1998	1997	1996	1995	1994	1993	1992
Ohio	220.5	224.8	239.8	230.7	250.5	259.1	279.9	281.8	312.0
Stark County	197.3	211.8	225.2	200.4	219.4	222.2	238.3	277.1	339.0
ALLIANCE CITY	150.0	250.0	325.0	333.3	434.8	360.7	265.3	188.7	436.4
CANTON CITY	225.2	198.7	191.0	150.0	168.5	203.2	260.0	318.9	439.3
LOUISVILLE CITY	333.3	125.0	250.0	333.3	90.9	272.7	285.7	200.0	214.3
MASSILLON CITY	250.0	341.5	184.6	187.5	229.7	193.5	236.8	250.0	311.5
NORTH CANTON CITY	76.9	222.2	294.1	222.2	150.0	200.0	90.9	400.0	125.0

White Births to Unwed Mothers  
Rate per 1,000 Teen Births  
State and County Vs. Cities  
1992-2000



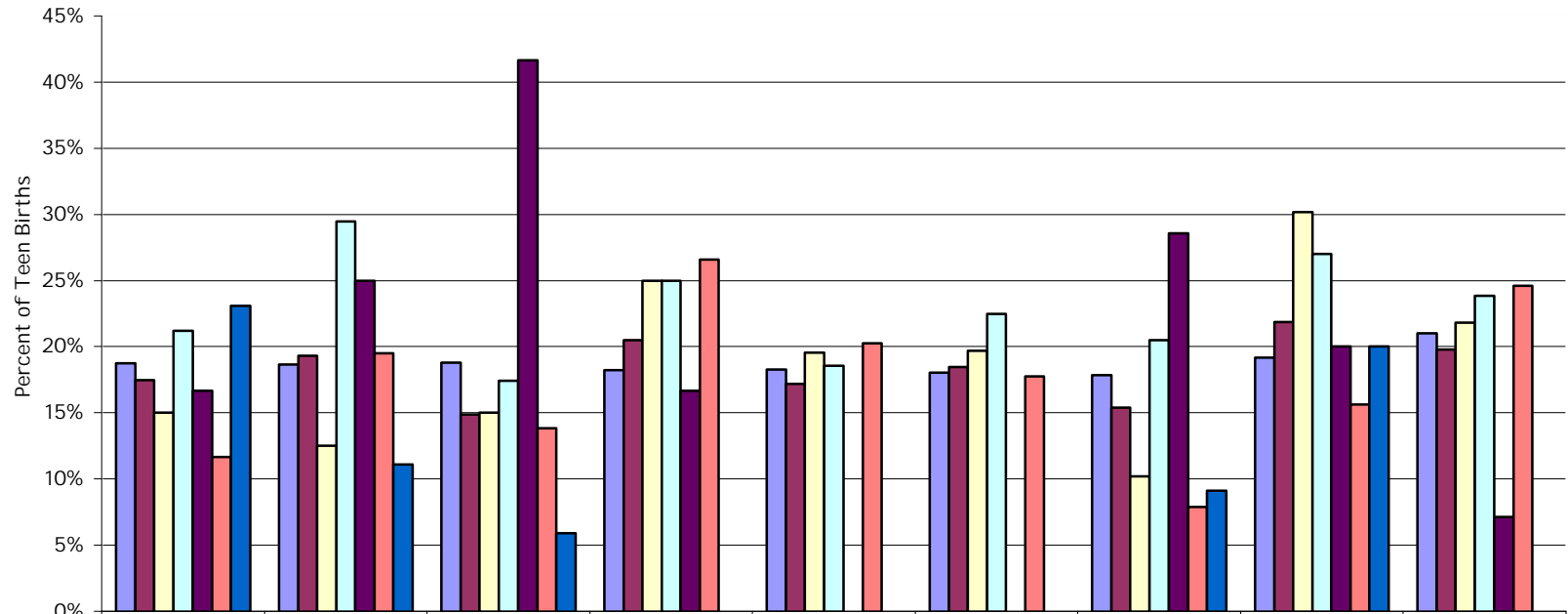
	2000	1999	1998	1997	1996	1995	1994	1993	1992
Ohio	815.8	806.1	801.3	799.7	927.2	772.8	756.8	742.7	713.1
Stark County	816.3	870.6	809.9	845.8	822.1	781.7	776.7	743.8	730.7
ALLIANCE CITY	825.0	937.5	775.0	861.1	847.8	852.5	693.9	792.5	690.9
CANTON CITY	860.9	910.3	825.8	856.3	837.1	759.4	825.0	735.1	775.7
LOUISVILLE CITY	833.3	625.0	833.3	833.3	727.3	636.4	428.6	1000.0	785.7
MASSILLON CITY	816.7	853.7	861.5	828.1	824.3	854.8	842.1	843.8	737.7
NORTH CANTON CITY	692.3	1000.0	764.7	888.9	750.0	400.0	727.3	700.0	375.0

White Tobacco Use Indicated  
Percent of Total Teen Births  
State and County Vs. Cities  
1992-2000



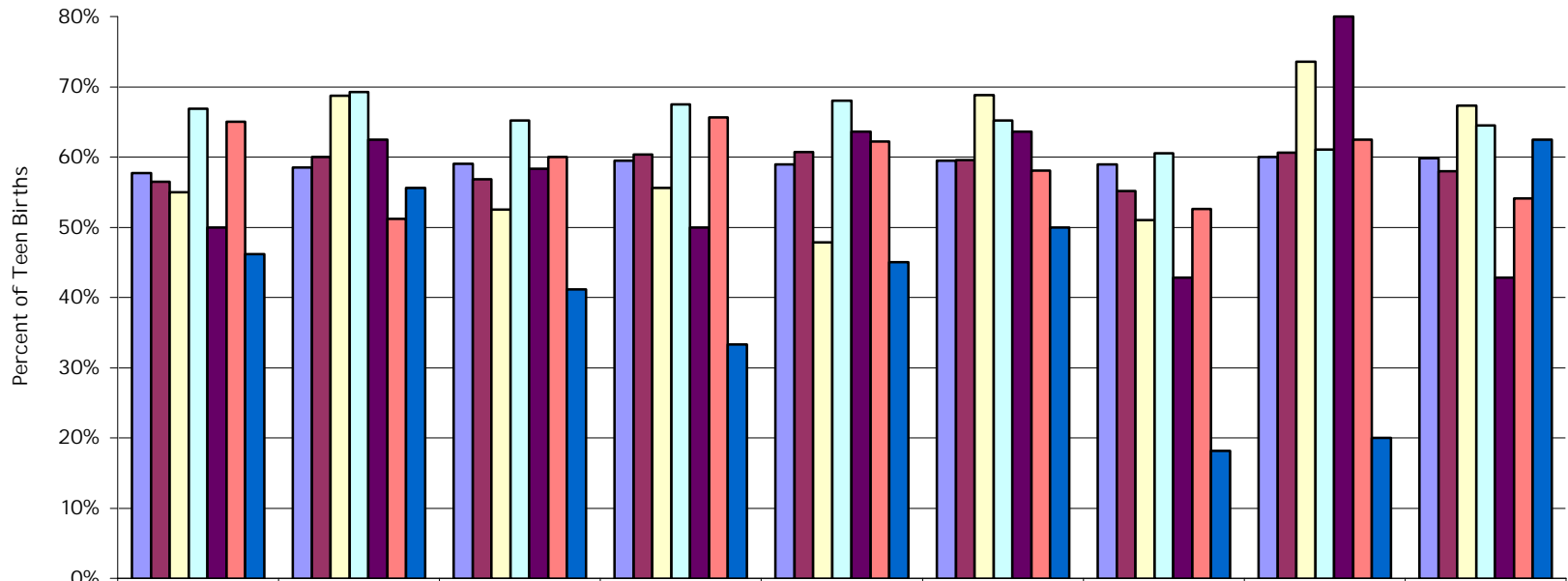
	2000	1999	1998	1997	1996	1995	1994	1993	1992
Ohio	35.00%	34.10%	34.52%	34.31%	32.49%	32.94%	32.69%	33.61%	34.96%
Stark County	33.33%	34.35%	34.30%	35.68%	34.78%	33.73%	33.40%	33.13%	37.29%
ALLIANCE CITY	25.00%	39.58%	40.00%	27.78%	30.43%	39.34%	34.69%	45.28%	40.00%
CANTON CITY	35.76%	32.05%	37.64%	37.50%	33.15%	32.09%	40.50%	36.76%	38.79%
LOUISVILLE CITY	50.00%	0.00%	50.00%	50.00%	9.09%	36.36%	14.29%	40.00%	28.57%
MASSILLON CITY	35.00%	39.02%	29.23%	40.63%	45.95%	43.55%	38.16%	35.94%	42.62%
NORTH CANTON CITY	23.08%	66.67%	35.29%	22.22%	30.00%	30.00%	9.09%	10.00%	50.00%

White One/More Previous Live Births  
Percent of Total Teen Births  
State and County Vs. Cities  
1992-2000



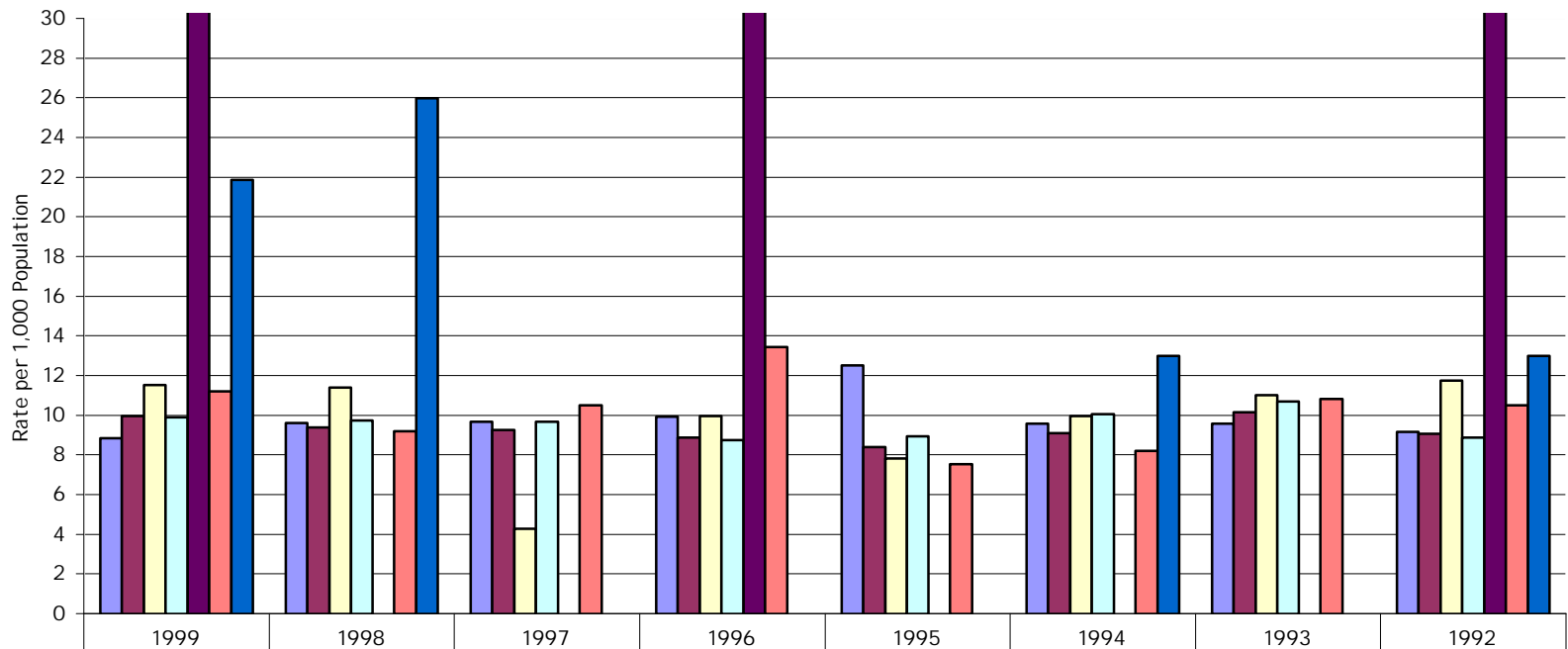
	2000	1999	1998	1997	1996	1995	1994	1993	1992
Ohio	18.77%	18.66%	18.77%	18.22%	18.27%	18.03%	17.83%	19.17%	21.01%
Stark County	17.46%	19.29%	14.88%	20.48%	17.19%	18.45%	15.38%	21.88%	19.77%
ALLIANCE CITY	15.00%	12.50%	15.00%	25.00%	19.57%	19.67%	10.20%	30.19%	21.82%
CANTON CITY	21.19%	29.49%	17.42%	25.00%	18.54%	22.46%	20.50%	27.03%	23.83%
LOUISVILLE CITY	16.67%	25.00%	41.67%	16.67%	0.00%	0.00%	28.57%	20.00%	7.14%
MASSILLON CITY	11.67%	19.51%	13.85%	26.56%	20.27%	17.74%	7.89%	15.63%	24.59%
NORTH CANTON CITY	23.08%	11.11%	5.88%	0.00%	0.00%	0.00%	9.09%	20.00%	0.00%

White 12th Grade Ed Not Completed  
Percent of Total Teen Births  
State and County Vs. Cities  
1992-2000



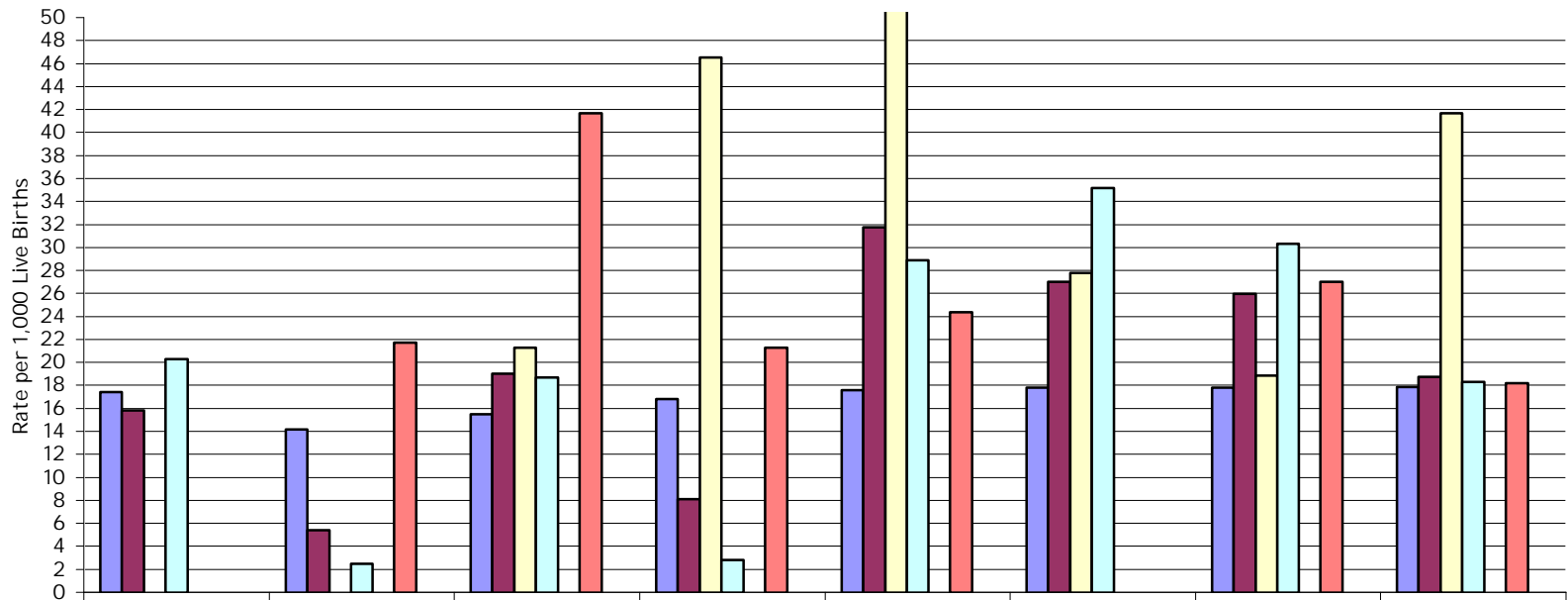
	2000	1999	1998	1997	1996	1995	1994	1993	1992
Ohio	57.67%	58.49%	59.01%	59.45%	58.95%	59.47%	58.95%	59.97%	59.79%
Stark County	56.46%	60.00%	56.82%	60.35%	60.67%	59.52%	55.16%	60.63%	58.00%
ALLIANCE CITY	55.00%	68.75%	52.50%	55.56%	47.83%	68.85%	51.02%	73.58%	67.27%
CANTON CITY	66.89%	69.23%	65.17%	67.50%	67.98%	65.24%	60.50%	61.08%	64.49%
LOUISVILLE CITY	50.00%	62.50%	58.33%	50.00%	63.64%	63.64%	42.86%	80.00%	42.86%
MASSILLON CITY	65.00%	51.22%	60.00%	65.63%	62.16%	58.06%	52.63%	62.50%	54.10%
NORTH CANTON CITY	46.15%	55.56%	41.18%	33.33%	45.00%	50.00%	18.18%	20.00%	62.50%

White Infant, Neonatal, Fetal Deaths  
Rate per 1,000 Population  
State and County Vs. Cities  
1992-1999



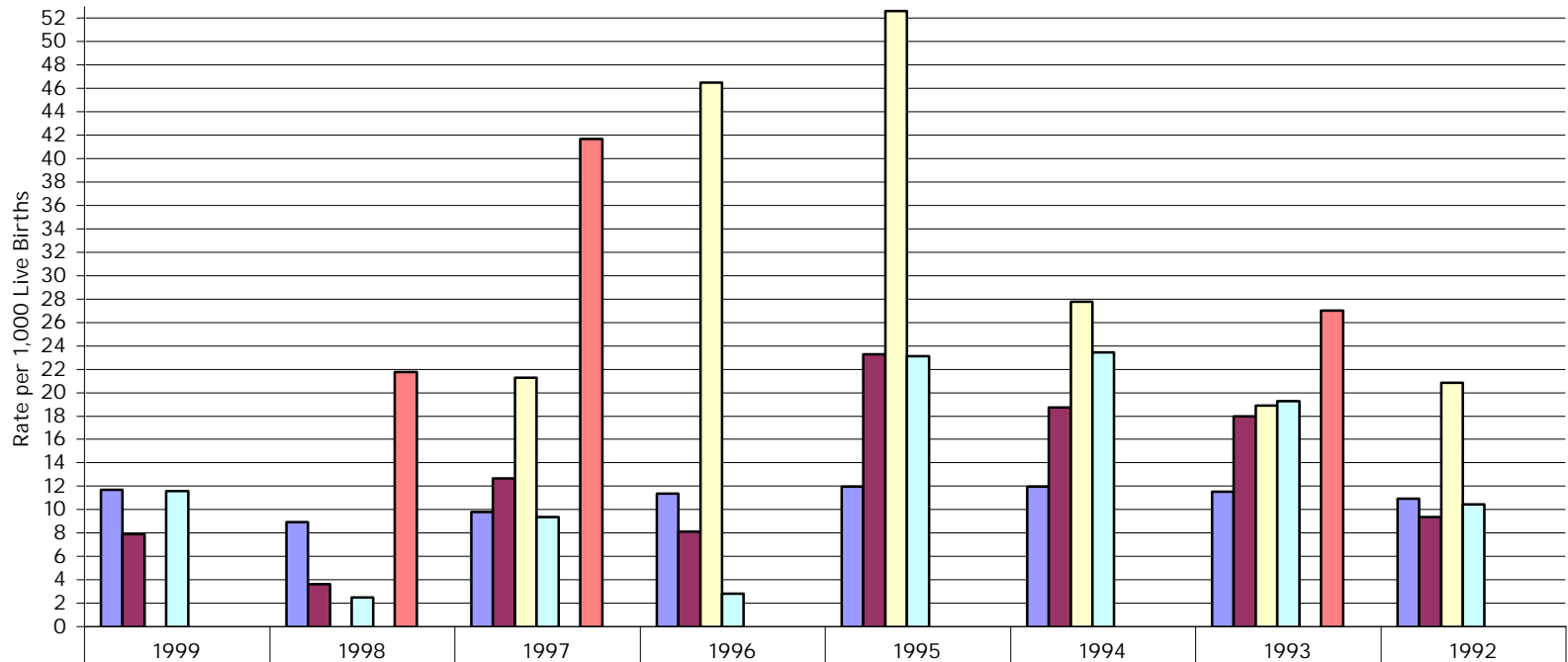
	1999	1998	1997	1996	1995	1994	1993	1992
Ohio	8.84	9.62	9.68	9.94	12.50	9.58	9.57	9.17
Stark County	10.0	9.4	9.3	8.9	8.4	9.1	10.1	9.1
ALLIANCE CITY	11.5	11.4	4.3	10.0	7.8	10.0	11.0	11.7
CANTON CITY	9.9	9.7	9.7	8.7	8.9	10.0	10.7	8.9
LOUISVILLE CITY	71.4	0.0	0.0	1000.0	0.0	0.0	0.0	1000.0
MASSILLON CITY	11.2	9.2	10.5	13.4	7.5	8.2	10.8	10.5
NORTH CANTON CITY	21.9	26.0	0.0	0.0	0.0	13.0	0.0	13.0

White Infant Deaths  
Rate per 1,000 Live Births  
State and County Vs. Cities  
1992-1999



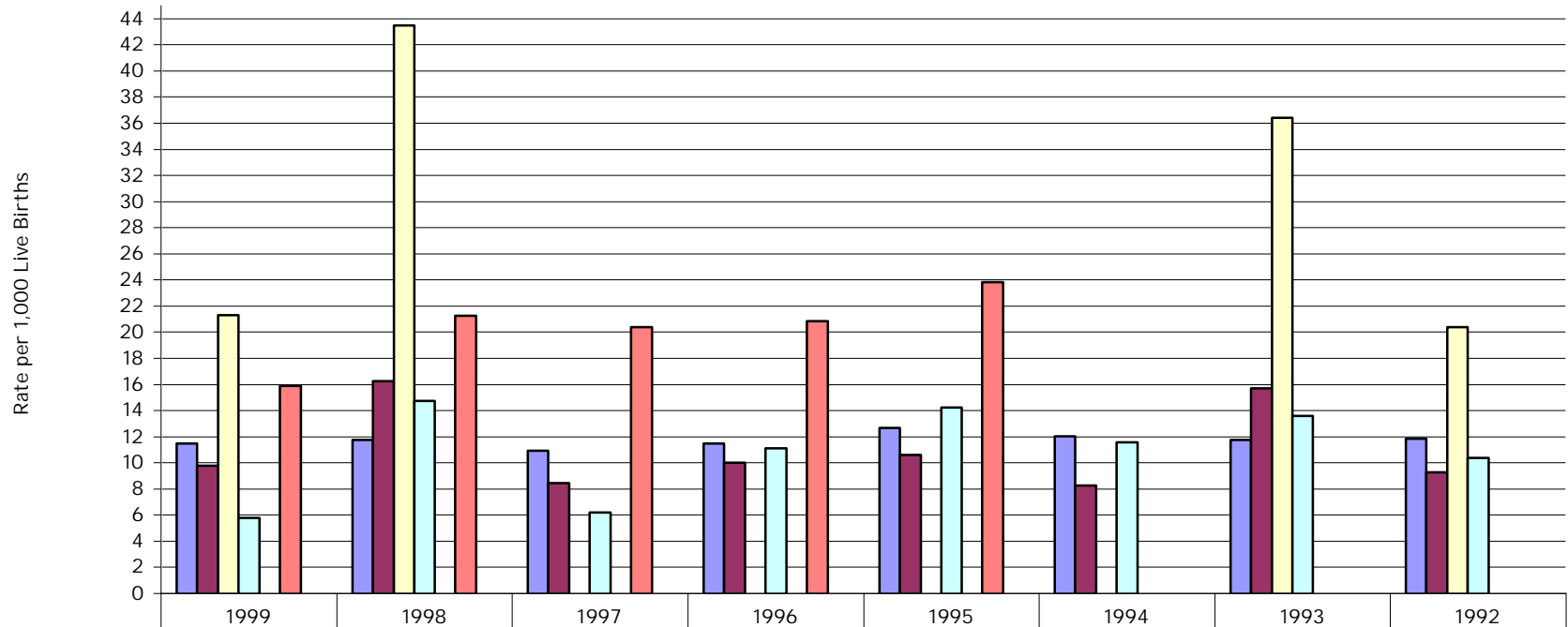
	1999	1998	1997	1996	1995	1994	1993	1992
Ohio	17.4	14.2	15.5	16.8	17.6	17.8	17.8	17.9
Stark County	15.8	5.4	19.0	8.1	31.8	27.0	25.9	18.7
ALLIANCE CITY	0.0	0.0	21.3	46.5	78.9	27.8	18.9	41.7
CANTON CITY	20.3	2.5	18.7	2.8	28.9	35.2	30.3	18.3
LOUISVILLE CITY	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MASSILLON CITY	0.0	21.7	41.7	21.3	24.4	0.0	27.0	18.2
NORTH CANTON CITY	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

White Neonatal Deaths  
Rate per 1,000 Live Births  
State and County Vs. Cities  
1992-1999



Ohio	11.7	8.9	9.8	11.4	11.9	11.9	11.5	10.9
Stark County	7.9	3.6	12.7	8.1	23.3	18.7	18.0	9.4
ALLIANCE CITY	0.0	0.0	21.3	46.5	52.6	27.8	18.9	20.8
CANTON CITY	11.6	2.5	9.3	2.8	23.1	23.5	19.3	10.5
LOUISVILLE CITY	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MASSILLON CITY	0.0	21.7	41.7	0.0	0.0	0.0	27.0	0.0
NORTH CANTON CITY	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

White Fetal Deaths  
Rate per 1,000 Live Births  
State and County Vs. Cities  
1992-1999



Ohio	11.5	11.7	10.9	11.5	12.7	12.1	11.8	11.9
Stark County	9.8	16.2	8.5	10.0	10.6	8.2	15.7	9.3
ALLIANCE CITY	21.3	43.5	0.0	0.0	0.0	0.0	36.4	20.4
CANTON CITY	5.8	14.7	6.2	11.1	14.2	11.6	13.6	10.4
LOUISVILLE CITY	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MASSILLON CITY	15.9	21.3	20.4	20.8	23.8	0.0	0.0	0.0
NORTH CANTON CITY	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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