

Profile of Child Well-Being in Madison County



Population Profile

The population 17 years of age or younger in Madison County in 2000 was 3,802, an increase of 10.4 percent since 1990. According to projections, the youth population will decline to 3,532 by 2020.

In Madison County, youth accounted for 27.1 percent of the total population in 2000 compared to 25.1 percent statewide. Minority youth in the county numbered 106 in 2000 and are projected to increase to 118 by 2020.

1. Population 17 Years or Younger

	Madison County			
	1990	2000	2010*	2020*
Total population	12,483	14,019	15,144	16,123
Percent 17 or younger	27.6	27.1	23.1	21.9
Population 17 or younger	3,444	3,802	3,493	3,532
0 to 4 years	832	987	895	908
5 to 9 years	980	1,032	970	979
10 to 14 years	1,033	1,102	1,001	1,002
15 to 17 years	599	681	627	643
Minority [^] Population 17 or younger	n/a	106	86	118
0 to 4 years	n/a	23	20	40
5 to 9 years	n/a	26	38	32
10 to 14 years	n/a	39	24	28
15 to 17 years	n/a	18	4	18
Female Population 17 or younger	1,643	1,811	1,658	1,699
0 to 4 years	409	479	435	441
5 to 9 years	454	475	457	463
10 to 14 years	523	546	476	484
15 to 17 years	257	311	290	311
Male Population 17 or younger	1,801	1,991	1,835	1,833
0 to 4 years	423	508	460	467
5 to 9 years	526	557	513	516
10 to 14 years	510	556	525	518
15 to 17 years	342	370	337	332

[^] Minority includes all persons except white non-Hispanics.

Source: U.S. Bureau of the Census, Summary File 1, *Projections by Woods & Poole Economics, Inc., 2004

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Health Profile

As the number of total births in Madison County rose from 1999 to 2003, the number of births to teens increased by 1. In 1999, births to teens accounted for 6.4 percent of total births in the county compared to 6.7 percent in 2003.

Teen parenting is used as a predictor of future economic hardship for both parents and children. Teen parents are often less able to provide positive, safe and caring environments, or family stability.

In Madison County, 7.7 percent of total births in 2003 were low birthweight compared to 6.6 percent statewide.

Low birthweight (less than 5.5 pounds or 2,500 grams) can be an indicator of mothers not receiving adequate prenatal care and is often a good predictor of future health and developmental complications.

Early and ongoing prenatal care increases the chances of delivering healthy, full-term, and normal weight babies. Rates are per 1,000 live births.

For the period from 1998 to 2001, the rate of mothers in Madison County receiving prenatal care during the first trimester of their pregnancy was 923.6 compared to 869.8 statewide.



2. Births to Teens, Low Birthweight Births, Pre-natal Care, and Immunizations

Year	Births to Teens		Low Birthweight Births		1st Trimester Prenatal Care		Full Immunizations*	
	Madison County	State	Madison County	State	Madison County	State	Madison County	State
	n	% of total births	n	% of total births	rate (per 1,000 live births)	rate (per 1,000 live births)	% fully immunized	% fully immunized
1999	12	6.4	7	3.7	---	---	83.0	84.0
2000	14	7.1	15	7.7	---	---	100.0	86.0
2001	9	5.2	9	5.2	923.6	869.8	73.0	88.0
2002	16	7.7	9	4.3	n/a	n/a	73.0	85.0
2003	13	6.7	15	7.7	n/a	n/a	100.0	89.0

Source: Iowa Department of Public Health

*NOTE: Immunization data reflect only one site per county so should be interpreted with caution.

In Madison County in 2003, 100 percent of children 24 months of age were reported to be fully immunized compared to 83 percent in 1999. Percentages for the state were 89 in 2003 and 84 in 1999.

Fully immunized = 4 DTP/DTaP, 3 Polio, 1 MMR, 3 Hib, 3 Hep. B by 24 months of age.

Infant mortality is considered one of the best overall measures of health care accessibility and quality in that it measures the health of the most vulnerable in a given population. The infant mortality rate is the number of infants who die before their first birthday per 1,000 live births.

In Madison County, the infant mortality rate from 2001 to 2003 was 12.2, higher than the county rate of 1995-1998 and higher than the statewide rate of 5.5 in 2001-2003 period.

NOTE: Due to the relatively low number of births, infant deaths, and child deaths per year in many of Iowa's counties, users are encouraged to use 3-5 year averages for comparative purposes. These are presented in Tables 3 and 4.



3. Infant Mortality

Year	Madison County		State	
	n	rate	n	rate
1995-1997	3	6.3	7.1	7.1
1998-2000	5	9.1	6.2	6.2
2001-2003	7	12.2	5.5	5.5

Source: Iowa Department of Public Health

From 2000 to 2002, the child death rate in Madison County was 0.1 compared to the state's rate of 0.2

Child deaths include deaths to all children ages 1 to 14. Child death rates are the number of deaths in this population per 1,000 total population age 1 to 14.

4. Child Death Rates

Year	Madison County		State	
	n	rate	n	rate
2000-2002	1	0.1	0.2	0.2

Source: Iowa Department of Public Health



Education Profile

In Madison County, 46 children were enrolled in Pre-Kindergarten during the 2003-04 school year. This was a 17 child increase from 2000-01.

Pre-Kindergarten students often demonstrate stronger early reading and math skills than non PK students.

5. Pre-Kindergarten Enrollment

	Madison County	State
2000-2001	29	5,797
2001-2002	35	5,714
2002-2003	39	5,949
2003-2004	46	6,907

Source: Iowa Department of Education

The Madison County Empowerment Area reported at least 16.5 percent of its kindergartners consistently displaying school-ready behaviors in the five areas. Statewide at least 35.9 percent of kindergarten students were reported as school ready.

"School readiness" is the result of kindergarten teachers being asked to assess their students in 5 areas: communication skills, cognitive skills, self-management skills, motor skills, and social-emotional development. Teachers report the degree to which behaviors within these five areas are observable ranging from "rarely" to "consistently".

6. School Readiness*, 2002-2003

	Empowerment Area	State
Motor Skills ¹	31.2	48.8
Communication Skills ²	16.5	35.9
Cognitive Skills ³	28.9	44.5
Social/Emotional Dev. ⁴	39.7	50.1
Self-Management Skills ⁵	36.5	43.0

* Percent reported "consistently observed"

Source: Iowa Department of Education

- ¹ Include coordination and balance, using scissors, etc.
- ² Include the ability to ask and answer questions, communicate needs, etc.
- ³ Include using a variety of words to describe a shape or color, ability to sort objects into categories, etc.
- ⁴ Includes ability to build relationships with adults and peers, express emotions and feelings, etc.
- ⁵ Includes ability to follow classroom rules and routines, take responsibility for personal belongings, etc.

Economic Profile

During the 2003-04 school year, 20.7 percent of K-12 students in Madison County were eligible for free or reduced-price school compared to 19.4 percent in 2000-01. Statewide a total of 144,000 students (30.0%) were eligible for free or reduced price meals.

Because eligibility for free and reduced-price school meals is an annual measure, it is a good indicator of the economic well-being of children in a community. Families with incomes 135% or less of the federal poverty threshold are eligible for free meals, those with incomes 136% to 180% of poverty are eligible for reduced-price meals.

7. Eligibility for Free or Reduced-Price School Meals

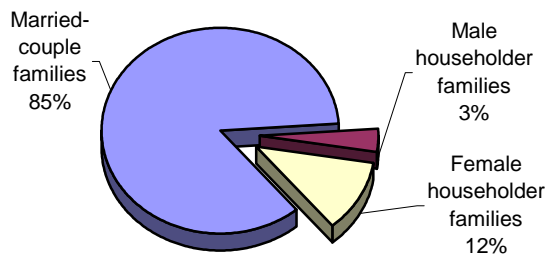
	Number Eligible for Free Meals		Number Eligible for Reduced-Price Meals		Percentage Eligible for Free or Reduced Price Meals	
	Madison County	State	Madison County	State	Madison County	State
2000-01	361	93,823	213	37,754	19.4	26.7
2001-02	351	93,062	186	36,492	18.4	26.7
2002-03	360	100,544	173	36,870	17.6	28.5
2003-04	412	107,324	211	36,907	20.7	30.0

Source: Iowa Department of Education

Family Living Profile

While the majority of the 3,632 children under 18 years of age in Madison County in 2000 resided in a two-parent family, 14.9 percent lived in a family headed by a single parent.

Children by Family Type, 2000



Source: Census 2000, SF1, US Bureau of the Census

In Madison County, 67.0 percent of children under 6 living in a family or subfamily had all parents in the labor force compared to 71.4 percent statewide. All parents includes both parents in a married-couple family and the parent in a male- or female-headed family.

8. Employment Status of Parents with Young Children, 2000

	Madison County		State
	n	%	%
Total Own Children in Families			
Under 6 years:	1,135		
Living with 2 parents	904		
Both parents in labor force	579	64.0	69.2
Living with father only	90		
Father in labor force	68	75.6	88.8
Living with mother only	141		
Mother in labor force	114	80.9	71.4

Source: Census 2000, SF3, US Bureau of the Census

Safety Profile

The number of confirmed cases of child abuse or neglect in Madison County in 2003 was 36, a decrease of 0 since 1999.

9. Confirmed Cases of Child Abuse and Neglect

	Madison County	State
1999	36	9,588
2000	26	10,821
2001	32	12,793
2002	32	12,292
2003	36	14,936

Source: Iowa Department of Human Services

In 2003, Madison County reported 186 Group A and 594 Group B arrests per 100,000 juveniles compared to rates of 2,003 and 1,180, respectively, for the state.

Source and further details available @ http://www.dps.state.ia.us/documents_repository/DPS/2003/iacrim e/iacrime.htm

Juvenile arrests are reported in 2 groups, Group A offenses include such crimes as murder, rape, burglary and drug violations while Group B offenses include curfew, drunkenness and runaways.