

BACKGROUND INDICATORS

(in order of appearance on profiles)

Total Live Births

The numbers reflect total live births in 2000 and 2006. The location is based on the residence of the mother, regardless of where the birth occurred.

Source: Michigan Department of Community Health, Vital Records and Health Data Development Section

No Listed Paternity

The numbers reflect infants born in 2000 and 2006 to unmarried mothers and for whom no father signed a form acknowledging his parenthood. The percent is based on total live births for 2000 and 2006.

Source: Michigan Department of Community Health, Vital Records and Health Data Development Section

Infants Born With a Birth Defect

The numbers reflect the annual average of infants reported with a birth defect over the three-year periods of 1998–2000 and 2003–2005. Only infants under one year of age who are identified with at least one of over 800 types of defects are counted. The percentages are based on the average numbers of live births during 1998–2000 and 2003–2005. Location is based on the residence of the mother. A recent analysis of the Birth Defects Registry Database suggests that differences in the reporting of ambulatory cases in clinics or physicians' offices after babies leave the hospital may explain much of the variation in county rates. Birth defect data are continually revised so the count reported here for 2000 may not match previous reports.

Source: Michigan Department of Community Health, Michigan Birth Defects Registry

Health of Young Children

Lead Poisoning in Medicaid Children, Ages 1–2

- **Tested:** The number of tested children ages 1–2 enrolled in the Michigan Medicaid program and tested for lead in 2007. The percent tested is based on the total number of Medicaid child enrollees ages 1–2 in 2007.
- **Poisoned (percent of tested):** This number reflects Medicaid-enrolled children ages 1–2 whose test showed 10 or more micrograms of lead per deciliter of blood (mcg/dL). The percent is based on the number of Medicaid-enrolled children ages 1–2 who were tested and confirmed by venous blood tests.

Source: Michigan Department of Community Health, Childhood Lead Poisoning Prevention Program, 2007

Percent of Children Ages 19–35 Months Immunized

The number reflects children ages 19–35 months who had completed the vaccination 4:3:1:3:3:1 Series Coverage as of December 2007, according to the Michigan Care Improvement Registry (MCIR). The series reflects the benchmark immunization measure recommended by the U.S. Center for Disease Control and Prevention's Advisory Committee on Immunization Practice. The series includes: four injections of DTaP (diphtheria, tetanus, and pertussis) vaccine; three of poliovirus vaccine; one measles-containing vaccine; three of influenza; three of Hepatitis B., and one varicella (chickenpox). All of these vaccinations are scheduled to be completed by the age of 19 months. The percentage is based on the population of children ages 19–35 months who were born to mothers residing in Michigan at the time of the birth.

Source: Michigan Care Improvement Registry (<http://mcir.org>)

Child Care & Early Education

Average Monthly Cost of Full-Time Care

The monthly average cost in 2008 for one child full-time in a regulated child care facility reflects the prices charged by family providers, group family providers or centers. Infant and toddler care and center-provided care tend to cost more than the average.

Source: Provider data from a March 2008 survey of regional Community Coordinated Child Care agencies by the Michigan Community Coordinated Child Care Association (Michigan 4Cs)

Child Care Costs as a Percent of Full-Time Minimum Wage

Average monthly cost for full-time care for one child is calculated as a percentage of the earnings of a full-time minimum wage (\$5.15 in 2000 and \$7.40 in 2007) worker.

Children Ages 0–5 in Subsidized Child Care

This number reflects children ages 0–5 in child care whose parents were eligible for a subsidy payment in December 2007. Families qualify for the subsidy through participation in the Family Independence Program (cash assistance), family preservation services or income below roughly 136 percent of the 2008 poverty level. The percentage is based on the estimated population of children ages 0–5 in 2006.

Source: Michigan Department of Human Services, Child Development and Care Program, Assistance Payments Statistics, December 2007, supplemental table "Child Day Care Children by Age"

Population

These are estimated populations for 2000 and 2006 of all people and of children in various age groups. The estimates are calculated on the number of people living in an area as of July 1. The calculation uses a model that incorporates information on natural changes such as births and deaths and net migration in an area since the 2000 Census.

Source: U.S. Census Bureau, State and County Population Estimates

Average Wage per Job (2006)

The Bureau of Economic Analysis based its 2006 estimates on a job count, not a person count. People holding more than one job were counted in the employment estimates for each job.

Source: U.S. Department of Commerce, Bureau of Economic Analysis, Regional Accounts Data, Table CA34 (<http://www.bea.gov/bea/regional/reis/>)

Unemployment

The average annual unemployment rate was calculated from the monthly unemployment numbers for 2007. This rate has not been seasonally adjusted.

Source: U.S. Department of Labor, Bureau of Labor Statistics, Local Area Unemployment Statistics (<http://data.bls.gov/servlet/MapToolServlet?survey=la>)

Economic Support

Children Receiving Subsidized Child Care, Ages 0–12

This number reflects children, ages 0–12, in child care whose parents received a subsidy payment from the state in December 2007. Eligibility for child care subsidies is based on participation in the Family Independence Program (cash assistance), a family preservation program or income below roughly 136 percent of the poverty level in 2008. The percentage is based on the estimated population of children ages 0–12 in 2006.

Source: Michigan Department of Human Services, Child Development and Care Program, Assistance Payments Statistics, December 2007, Table 26

Children Receiving FIP Cash Assistance

The number reflects child recipients in the Family Independence Program (FIP) in December 2007. FIP provides cash assistance (maximum \$489 per month for a three-person family) to needy families with minor children. Families with assets less than \$3,000 and a gross monthly income below \$810 can qualify for a prorated subsidy. The percentage is based on the estimated population of children ages 0–18 in 2006.

Source: Michigan Department of Human Services, Assistance Payments Statistics (Table 12: Total Federal FIP: Children and Adults by Program) December 2007

Children Receiving Food Assistance (Food Stamps)

The number reflects child recipients ages 0–18 in the Food Assistance Program (FAP) in December 2007. The number of children participating in the FAP, originally the Food Stamp Program, includes those whose families receive cash assistance and other families who qualify due to incomes below 130 percent of the poverty level. The percentage is based on the estimated population of children ages 0–18 in 2006.

Source: Michigan Department of Human Services, Special Run for December 2007

Children Owed Child Support

The number reflects children ages 0–19 who had a child support order and should have received child support for at least one month during Fiscal Year (FY) 2007. The percent is based on the estimated population of all children ages 0–19 in 2006. The county represents the location of the court rather than the child's residence.

Source: Michigan Child Support Enforcement System (MiCSES). Special Run

Children Owed Support Who Received None in FY2007

The number reflects children who received none of the support payments that were owed during FY 2007. The percent is based on the number of children with support owed for at least one month during FY 2007.

Source: Michigan Child Support Enforcement System (MiCSES). Special Run

Children Receiving Less Than 70 percent of Support

The number reflects all children who received less than 70 percent of total support amount owed for FY 2007 (including those who received none). The percent is based on the number of children with support owed for at least one month during FY 2007.

Source: Michigan Child Support Enforcement System (MiCSES). Special Run

Children with Special Needs**Students in Special Education (2007–08 school year)**

The number includes all individuals ages 0 through 26 receiving special education services except those in programs operated by the Michigan Departments of Corrections, Community Health, and Human Services. These students have been diagnosed with a mental or physical condition that qualified them for special education services. The percentage is based on the total K–12 school enrollment in October 2007 included in the published free and reduced price lunch counts reported by the Michigan Department of Education.

Source: Michigan Department of Education, Office of Special Education & Early Intervention Services, Special Education Count By County and By Type Of Disability (December 1, 2007)

Children Receiving Supplemental Security Income (rate per 1,000)

The number reflects child recipients of Supplemental Security Income (SSI) in December 2007. SSI is a federal Social Security Administration program of cash and medical assistance for elderly and disabled persons, including children. Low-income children under age 18 are eligible if they have special health care needs as defined by SSI criteria, require institutional care but can be cared for at home for less cost, are "Department Wards," that is, receiving foster care or for whom there is an adoption assistance agreement (Title IV-E). The rate is per 1,000 children ages 0–17 in 2006.

Source: Michigan Department of Human Services.
Special Run for December 2007

Access to Health Care**Children Ages 1–14 Hospitalized for Asthma (rate per 10,000)**

This number represents Michigan hospital discharges of children ages 1–14 with asthma recorded as the primary diagnosis. Data are reported by the county of residence of the patient. The number reflects the three-year annual average for 2004–06, and the rate indicates the annual average incidents per 10,000 children ages 1–14 during 2004–06. Rates, calculated by the Bureau of Epidemiology, use 2005 American Community Survey population estimates for the 2004–06 period. Rates are provided only for counties with a three-year total of more than 20 hospital discharges for children diagnosed with asthma.

Source: Michigan Department of Community Health,
Division of Epidemiology Services

Children, Ages 0–18, Insured by:

- **Medicaid:** The number reflects a point-in-time enrollment in Medicaid during December 2007. All children covered by Medicaid are included in these totals; children qualify through several different programs. The percentage is based on the estimated population of children ages 0–18 in 2006.

Source: Michigan Department of Human Services.
Special Run for December 2007

- **MiChild:** This program provides health insurance to children ages 0–18 in families with income between 150–200 percent of the federal poverty line, with some restrictions. The number is the average of the monthly counts of children insured during 2007. The percentage is based on the estimated population of children ages 0–18 in 2006.

Source: MAXIMUS. MiChild Monthly Executive Summaries

TREND INDICATORS

(in order of their appearance on state/county profiles)

Education (percentage not meeting reading standards)

The performance levels on the Michigan Educational Assessment Program (MEAP) are defined by a panel of educators and other stakeholders. They use detailed descriptions of what students should know and be able to do at each level. The Michigan Board of Education approves the final cut scores and performance ranges.

Fourth Graders

The numbers reflect fourth graders whose performances on the MEAP reading test did not meet the standard; they scored at Level 4 (Apprentice) or Level 3 (Basic) in 2003 and 2007. The percentages are based on the numbers of fourth graders whose reading test scores were included in the report.

Source: Center for Educational Performance Information
(<http://www.mich.gov/cepi>)

Definitions

Population Estimates: Rates for non-census years are based on population estimates available from the Census Bureau; the 2006 estimates were the latest available when rates were calculated for this publication.

Except where noted, rates are calculated when incidents total more than five. Three years of data are used to calculate an average annual rate for most health indicators because it is less likely to be distorted than a rate based on a single year; this averaging also provides rates for many counties with small populations. Rates based on small numbers of events and small populations can vary dramatically and cannot be considered statistically reliable for projecting trends or considering impact.

Percentage Change is calculated by dividing the difference between the recent and base year rates by the base year rate. Rising rates indicate worsening conditions for children for indicators in this report. Changes on some indicators such as victims of abuse or neglect may reflect state or local policies or staffing levels. The calculation is based on unrounded rates so calculations using published rounded rates may not reflect the same change.

Rank is assigned to a county indicator based on the rounded rate of the most recent year or the annual average of a three-year period. A rank of 1 is the "best" rate.

Seventh Graders

The numbers reflect seventh graders whose performances on the MEAP reading test did not meet the standard; they scored at Level 4 (Apprentice) or Level 3 (Basic) in 2003 and 2007. The percentages are based on the numbers of seventh graders whose reading test scores were included in the report.

Source: Center for Educational Performance Information
(<http://www.mich.gov/cepi>)

High School Seniors (Class of 2003 vs. 2007)

The numbers reflect seniors in the graduating classes of 2003 and 2007 whose performances on the MEAP reading test did not meet the standard; they scored at Level 4 (Apprentice) or Level 3 (Basic) in 2003 and 2007. The percentages are based on the numbers in the graduating classes whose reading test scores were included in the report.

Source: Center for Educational Performance Information
(<http://www.michi.gov/cepi>)

Child Safety

Children in Investigated Families

These children reside in families where an investigation of abuse or neglect was conducted in fiscal years 2000 and 2007. Families may be investigated more than once in a given year, and their children would be counted each time. The number reflects the total for the year. Rates are calculated per 1,000 children ages 0–17 in their county of residence. Data are merged for three sets of counties: Missaukee/Wexford, Grand Traverse/Leelanau and Mecosta/Osceola.

Source: Michigan Department of Human Services, Health and Welfare Data Center, Children's Protective Service Management Information, Report PS-31D, Victims by Category of Abuse/Neglect (FYs 2000 and 2007)

Confirmed Victims of Abuse or Neglect

These numbers reflect an unduplicated count of children confirmed to be victims of abuse or neglect following an investigation in fiscal years 2000 and 2007. The operational definitions for child abuse and neglect are found in the Services Manual of the Department of Human Services. Rates are calculated per 1,000 children ages 0–17 in their county of residence. Data are merged for three sets of counties: Missaukee/Wexford, Grand Traverse/Leelanau and Mecosta/Osceola.

Source: Michigan Department of Human Services, Health and Welfare Data Center, Children's Protective Service Management Information, Report PS-31D, Victims by Category of Abuse/Neglect (FYs 2000 and 2007)

Children in Out-of-Home Care

The total number includes children in facilities or in other out-of-home placements supervised by the Department of Human Services, its agents or the courts, including children placed with a relative or guardian during fiscal years 2000 and 2007. The county represents the location of the court rather than the child's residence. The total includes court placements that are not designated by cause. The number of Wayne County children placed out-of-home for delinquency in 2007 was provided by the county's Department of Community Justice, which has jurisdiction over delinquency services for Wayne County youth. Children in mental health facilities or out-of-home placements supervised by the Departments of Mental Health or Corrections are not included. The rate for out-of-home care is calculated per 1,000 children ages 0–17, and the rate for delinquency out-of-home care is calculated per 1,000 children ages 10–16. (This is a change from previous years.) The data are point in time from a single month (September) in the reference years.

Source: Michigan Department of Human Services, Children's Services Management Information System, Report CY-091, Part G, Legal Status by Living Arrangement and Sex (Report Period September 2000 and 2007) and Wayne County Department of Community Justice, Juvenile Justice Services Division Information System, JAIS (Juvenile Agency Information System) for September 2007

Child Health

Less Than Adequate Prenatal Care

The number represents the mothers who received less than adequate prenatal care as defined by the Kessner Index, which measures adequate care by the month it began, the number of prenatal visits, and the length of the pregnancy. Included in the measure are some cases where data are unknown or missing. The number is an annual average for the three-year periods of 1998–2000 and 2004–06. The percent is calculated on total resident live births, based on the mother's county of residence.

Source: Michigan Department of Community Health, Vital Records and Health Data Development Section

Low-Birthweight Babies

The number, which includes those babies who weighed less than 2,500 grams (approximately 5 lb. 8 oz.) at birth, is an annual average for the three-year periods of 1998–2000 and 2004–06. The percentage is calculated on total resident live births in the mother's county of residence.

Source: Michigan Department of Community Health, Vital Records and Health Data Development Section

Infant Mortality (per 1,000)

The number, which includes infants who died before their first birthday, is an annual average for the three-year periods of 1998–2000 and 2004–06. The rate is the number of infant deaths per 1,000 births during the reference periods in the mother's county of residence. Since an infant death may occur in the calendar year following the birth year, some amount of error is introduced into the rate.

Source: Michigan Department of Community Health, Vital Records and Health Data Development Section

Child Deaths, Ages 1 to 14 (per 100,000)

The number of child deaths includes deaths from all causes. It is an annual average for the three-year periods of 1998–2000 and 2004–06. The rate is the number of child deaths per 100,000 children ages 1–14 during the reference periods in the child's county of residence.

Source: Michigan Department of Community Health, Vital Records and Health Data Development Section

Adolescence

Births to Teens, Ages 15–19 (per 1,000)

The total number of births to teens between ages 15–19 is an annual average for the three-year periods of 1998–2000 and 2004–06. The rate of teen births is based on the number of live births per 1,000 females, ages 15–19 for those periods by county of residence.

Source: Michigan Department of Community Health, Vital Records and Health Data Development Section

Teen Deaths (per 100,000)

The number, which includes deaths from all causes to teens ages 15–19, is an annual average for the three-year periods of 1998–2000 and 2004–06. The rate is based on the number of deaths per 100,000 teens in this age group for those periods in their county of residence.

Source: Michigan Department of Community Health, Vital Records and Health Data Development Section

Economic Security

Children in Poverty, Ages 0–17 and Ages 5–17

The percentages for child poverty are based on the total number of children ages 0–17 in poverty in the years 2000 and 2005, and the percentages for school-aged child poverty are based on the number of related children ages 5–17 in 2000 and 2005. "Related" children include only those related to the head of the family by birth, marriage or adoption.

These estimates are from the Small Area Income and Poverty Estimates (SAIPE), which are the only current source of child poverty data updated annually for all Michigan counties. Poverty rates for young children ages 0–4 cannot be derived from the SAIPE.

Source: U.S. Census Bureau, Small Area Income and Poverty Estimates (<http://www.census.gov/hhes/www/saibe.html>).

Note: In 2005, SAIPE modified its methodology so the 2005 SAIPE should not be compared with prior years.

Students Receiving Free or Reduced Price School Lunches

Students from families with incomes below 185 percent of the poverty level are eligible for free or reduced prices in the federal School Lunch Program. Students from families reporting income below 130 percent of poverty are eligible for a fully subsidized or "free" meal while children from families with incomes between 130 and 185 percent of the federal poverty line are eligible for reduced price meals. The percentages are based on total enrollments of K–12 public school students for school years 2000–01 and 2007–08, including charter schools (public school academies). In 2007 the count switched to 'number eligible,' based on the single record student data (SRSD). The Center for Educational Performance Information has used SRSD to revise the 2006 estimates. The 2007 estimates should not be compared with any other year's data, which were school-level data reflecting the 'number of applications.' (<http://www.mich.gov/cepi>).

Source: Michigan Department of Education, Food and Nutrition Services, Office of Nutrition