

# Data Definitions and Notes

## TREND INDICATORS

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

### POPULATION

Estimated populations for 2010 and 2015 are for all people and of children ages 0-5, 6-12, 13-17 and 0-17. The 0-17 populations are broken down by race and ethnicity. The estimates use a model that incorporates information on natural changes such as births and deaths and net migration.

Source: U.S. Census Bureau, *State and County Population Estimates*; Detroit estimates from the Office of the State Demographer

### ECONOMIC SECURITY

#### Children in Poverty

The number reflects children living in families whose income was below the poverty level in 2010 and 2016. The percentage is based on the total number of children ages 0-17 during that period.

Source: U.S. Census Bureau, *Small Area Income and Poverty Estimates*

#### Young Children in the Food Assistance Program

The number includes children in families eligible for the Food Assistance Program (FAP), also known as the federal Supplemental Nutrition Assistance Program (SNAP), in December 2010 and December 2016. Families qualify with incomes below 130 percent of the poverty level. The percent is based on the estimated populations of children ages 0-5 in 2009 and 2015.

Source: Michigan Department of Health and Human Services, *Assistance Payments Statistics, Table 68, December 2010 and December 2015 (for counties); special run for Detroit data*

#### Students Eligible for Free or Reduced-Price School Lunches

K-12 students from families with incomes below 130 percent of the federal poverty level are eligible for a fully subsidized lunch while children from families with incomes between 130 and 185 percent are eligible for reduced-price meals. The percentage is based on total enrollment of K-12 public school students for school years 2009-10 and 2016-17, including public school academies.

Source: Center for Educational Performance Information

### 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 the adequacy of prenatal care by the month it began, the number of prenatal visits and the length of the pregnancy. The base year is an annual average for the three-year period of 2008-10. The current number is an annual average for the three-year period of 2013-15. The percent is based on total resident live births based on the mother's county of residence. Data prior to 2008 are not comparable due to a change in the definition.

Source: Michigan Department of Health and Human Services, *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 2008-10 and 2013-15. The percentage is based on total resident live births in the mother's county of residence. Data prior to 2008 are not comparable due to a change in the definition.

Source: Michigan Department of Health and Human Services, *Vital Records and Health Data Development Section*

#### Infant Mortality

The number, which includes infants who died before their first birthday, is an annual average for the three-year periods of 2008-10 and 2013-15. The rate is the number of infant deaths per 1,000 births during the referenced periods based on the mother's county of residence.

Source: Michigan Department of Health and Human Services, *Vital Records and Health Data Development Section*

#### Child and Teen Deaths

The number includes deaths from all causes for children ages 1-19. It is an annual average for the three-year periods of 2008-10 and 2013-15. The rate is the number of child deaths per 100,000 children ages 1-19 during those periods based on the child's county of residence.

Source: Michigan Department of Health and Human Services, *Vital Records and Health Data Development Section*

### FAMILY AND COMMUNITY

#### Births to Teens

The number of births to teens ages 15-19 is an annual average for the three-year periods of 2008-10 and 2013-15. 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 Health and Human Services, *Vital Records and Health Data Development Section*

### **Children in Investigated Families**

These children reside in families where an investigation of child abuse or neglect was conducted by Children's Protective Services in fiscal years 2010 and 2016. 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 for 2009 and 2015. Data is no longer combined for two sets of counties: Missaukee-Wexford and Grand Traverse-Leelanau.

*Source: Michigan Department of Health and Human Services, Health and Welfare Data Center, Children's Protective Services Management Special Report*

### **Confirmed Victims of Abuse or Neglect**

The number reflects a count of children ages 0-17 confirmed to be victims of abuse or neglect following an investigation in fiscal years 2010 and 2016. Children may be counted twice if there was evidence of two separate cases of abuse found. The rate is calculated per 1,000 children ages 0-17 in their county of residence for 2009 and 2015. Data is no longer combined for two sets of counties: Missaukee-Wexford and Grand Traverse-Leelanau.

*Source: Michigan Department of Health and Human Services, Health and Welfare Data Center, Children's Protective Services Special Report*

### **Children in Out-of-Home Care**

The number represents child victims of abuse or neglect placed in active out-of-home placements, such as a foster or relative home, court-ordered fictive kin, residential or shelter care supervised by the Department of Health and Human Services, its agents or the courts. The county represents the location of the court rather than the child's residence. The data are from a single month (September) in the reference years. The rate is calculated per 1,000 children ages 0-17 for 2009 and 2015. Data is no longer combined for two sets of counties: Missaukee-Wexford and Grand Traverse-Leelanau.

*Source: Michigan Department of Health and Human Services, Children's Services Management Information System, Special Report*

## **EDUCATION**

### **Children Ages 3-4 in Preschool**

The count represents the average number of children ages 3-4 who were not enrolled in preschool during 2012-16. The percent is based on the population for ages 3-4 during that period.

*Source: American Community Survey, Table S1401*

### **Students Not Graduating On Time**

The count includes students who entered Grade 9 in 2006 or 2012 and did not graduate four years later as expected, or five years if enrolled in an Early Middle College program. The percent is based on the cohort of students entering Grade 9 in those years. Several county totals include virtual schools operated by Intermediate School Districts or school districts within the county, whose students may reside in other counties, impacting on-time graduation rates. The counties most affected are Manistee, Leelanau and Berrien.

*Source: Michigan Department of Education*

### **Third-Grade English Language Arts (M-STEP)**

The number reflects third-graders whose performance on the 2017 M-STEP English Language Arts (ELA) test did not meet the standard of proficiency. The percentage is based on the number of third-graders whose ELA test scores were included in the report. M-STEP is a state standardized test for selected subjects in selected grades administered for the first time in 2015 to public school students. Several county totals include virtual schools operated by Intermediate School Districts or school districts within the county, whose students may reside in other counties, impacting rates. The counties most affected are Manistee, Leelanau and Berrien.

*Source: Michigan Department of Education*

### **Eighth-Grade Math (M-STEP)**

The number reflects eighth-graders whose performance on the 2017 M-STEP math test did not meet the standard of proficiency. The percentage is based on the number of eighth-graders whose math test scores were included in the report. Several county totals include virtual schools operated by Intermediate School Districts or school districts within the county, whose students may reside in other counties, impacting rates. The counties most affected are Manistee, Leelanau and Berrien.

*Source: Michigan Department of Education*

### **College Readiness**

The number reflects 11<sup>th</sup>-graders whose performance on the 2017 College Board SAT in the subjects of Evidence-Based Reading and Writing and Mathematics that did not meet the college readiness benchmarks in one or both of the subjects. The percentage is based on the number of 11<sup>th</sup>-graders whose SAT test scores were included in the report. The SAT College Readiness data are based on the SAT with essay administration completed during the Michigan Merit Examination in the spring of Grade 11. Prior to the 2015-16 school year the ACT College Readiness examination was used to measure the proficiency of high school students in English, mathematics, reading and science.

*Source: Michigan Department of Education*

# BACKGROUND INDICATORS

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

## FAMILY SUPPORT PROGRAMS

### Children Receiving:

**Subsidized child care:** This number reflects children ages 0-12 in child care whose parents received a subsidy payment from the state in December 2016. Most families qualify with earned income below 121 percent of the poverty level. The percentage is based on the estimated population of children ages 0-12 in 2015.

*Source: Michigan Department of Health and Human Services, Child Development and Care Program, Assistance Payments Statistics, Table 69, December 2016*

**Family Independence Program cash assistance:** The number reflects child recipients age 0-18 in the Family Independence Program (FIP) in a single month (December 2016). Families with minor children qualify with assets less than \$3,000 and gross monthly income below \$814. Children in families receiving extended FIP are not included. The percentage is based on the estimated 2015 population of children ages 0-18.

*Source: Michigan Department of Health and Human Services, Assistance Payments Statistics, Table 4, December 2016 (for counties); special run for Detroit data*

**Food Assistance Program:** The number reflects child recipients ages 0-18 in the Food Assistance Program (FAP), also known as the Supplemental Nutrition Assistance Program, in a single month (December 2016), whose families qualify with incomes below 130 percent of the poverty level. The percentage is based on the estimated population of children ages 0-18 in 2015.

*Source: Michigan Department of Health and Human Services, Assistance Payments Statistics, Table 68, December 2016 (for counties); special run for Detroit data*

**Women, Infants, and Children (WIC) program:** The number reflects children ages 0-4 who were enrolled in the Women, Infants, and Children (WIC) program during calendar year 2016. The percentage is based on the estimated population of children ages 0-4 in 2015.

*Source: Michigan Department of Health and Human Services, Michigan WIC Program*

### Children With Support Owed

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 2016. The percent is based on the estimated population of all children ages 0-19 in 2015. The county represents the location of the court rather than the child's residence.

**Receiving none:** The number reflects children who received none of the support payments that were owed during fiscal year 2016. The percent is based on the number of children with support owed for at least one month during fiscal year 2016.

**Receiving less than 70% of court-ordered amount:** The number reflects children who received less than 70 percent of the total support amount owed for fiscal year 2016 (including those who received none). The percent is based on the number of children with support owed for at least one month during fiscal year 2016.

**Average amount per child:** The number reflects the average monthly amount (per child) of support received in fiscal year 2016 for children who received some child support.

*Source: Michigan Department of Health and Human Services, Child Support Enforcement System Special Run*

## ECONOMIC CLIMATE

### Unemployment

The 2016 annual rate (not seasonally adjusted) is based on the average monthly number of persons considered to be in the "workforce" because they are employed or unemployed but are looking and available for work as of April 2017.

*Source: U.S. Department of Labor, Bureau of Labor Statistics, Local Area Unemployment Statistics*

### Median Household Income

The median represents the midpoint of household income amounts in 2016.

*Source: U.S. Census Bureau, Small Area Income and Poverty Estimates*

### Average Cost of Full-Time Child Care

The number is the weighted average monthly cost for infants, toddlers, preschoolers and school-age children in day care centers, group homes and family homes in 2017.

*Source: Early Childhood Investment Corporation*

### Percent of Full-Time Minimum Wage

The percent is the average child care cost divided by the monthly income from a full-time minimum wage job (based on 173 hours of work).

### All Parents Work

The number is an average for 2012-2016 of children ages 0-5 whose parents are in the labor force (i.e., either both parents work in a two-parent family or the parent works in a one-parent family). The percent is based on the average population ages 0-5 for 2012-16.

*Source: American Community Survey, Table B23008*

## FAMILY & COMMUNITY

### Births to Mothers With No High School Diploma or GED

The count is an average for 2013-15. The percent is based on average births for 2013-15.

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

### Children 0-17 Living in High-Poverty Neighborhoods

The count is an average for 2012-16 of children living in census tracts with poverty rates of 30 percent or higher. The percent is based on the 2012-16 average population of children ages 0-17.

Source: American Community Survey, Table S1701

### Family Structure for Children Ages 0-17:

**Two-Parent Household:** The number reflects the 2012-16 average of children ages 0-17 in two-parent households. The percent is based on the average population of children ages 0-17 for that period.

**One-Parent Household:** The number reflects the 2012-16 average of children ages 0-17 in one-parent households. The percent is based on the average population of children ages 0-17 for that period.

Source: American Community Survey Table B17006

### Poverty Rate for Children Ages 0-17:

**Two-Parent Household:** The number reflects the 2012-16 average of children ages 0-17 in two-parent households whose income was below the poverty level. The percent is based on the average population of children ages 0-17 in two-parent households for that period.

**One-Parent Household:** The number reflects the 2012-16 average of children ages 0-17 in one-parent households whose income was below the poverty level. The percent is based on the average population of children ages 0-17 in one-parent households for that period.

Source: American Community Survey, Table B17006

### Children Ages 5-17 in Households Not Speaking English at Home

The count is an average for 2012-16 of children living in households where English is not spoken. The percent is based on the 2012-16 average population of children ages 5-17.

Source: American Community Survey, Table B16008

## ACCESS TO HEALTHCARE

### Children With Health Insurance

The annual number and percentage estimates are based on a three-year average (2013-15) number of children ages 0-18 insured through a public or private program at any point during the year based on the Current Population Survey. Detroit data is from the American Community Survey.

Source: Small Area Health Insurance Estimates (SAHIE)

### Children Ages 0-18 Insured by:

**Medicaid:** The number reflects the enrollment in Medicaid as of December 2016. The percentage is based on the estimated population of children ages 0-18 in 2015.

Source: Michigan Department of Health and Human Services, special run for December 2016

**MIChild:** This program provides health insurance to children ages 0-18 in families with income between 150 to 200 percent of the federal poverty level. The number reflects the enrollment in MIChild as of December 2016. The percentage is based on the estimated population of children ages 0-18 in 2015.

Source: Michigan Department of Health and Human Services, special run for December 2016

### Fully Immunized Toddlers

The number reflects children ages 19-35 months who had completed the vaccination 4:3:1:3:3:1:4 Series Coverage as of December 2016, according to the Michigan Care Improvement Registry (MCIR). 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

### Lead Poisoning in Children, Ages 1-2

**Tested:** The number reflects children ages 1-2 who were tested for lead in 2015. The percent is based on the number of children ages 1-2 as of July 2015. Years beyond 2015 were not available at time of publication.

**Poisoned (% of tested):** This number reflects children ages 1-2 whose test showed 5 or more micrograms of lead per deciliter of blood (mcg/dL), with the results confirmed by venous testing. The percent is based on the number of children ages 1-2 who were tested. Years beyond 2015 were not available at time of publication.

Source: Michigan Department of Health and Human Services, Childhood Lead Poisoning Prevention Program, 2015

### **Children Hospitalized for Asthma:**

This number represents Michigan hospital discharges of children ages 1-14 with asthma recorded as the primary diagnosis. The number reflects the annual average and rate per 10,000 children ages 1-14 in 2015. Due to a change in hospital reporting after 2014, only 2015 is available for the state and should not be compared to prior years. Three-year averages will be available for the years 2016-2018 in 2020.

*Source: Michigan Department of Health and Human Services, Division of Epidemiology Services*

## **CHILDREN WITH SPECIAL NEEDS**

### **Students in Special Education**

The number includes all individuals ages 0 through 26 receiving special education services as of December 2016, except those in programs operated by state agencies. These students have been diagnosed with a mental or physical condition that qualified them for special education services. The percentage is based on the enrollments from the Free/Reduced Lunch data file.

*Source: Michigan Department of Education, Special Education Services and the Center for Educational Performance Information*

### **Children Receiving Supplemental Security Income (SSI)**

The number reflects child recipients of Supplemental Security Income (SSI) as of December 2016. SSI is a Social Security Administration program of cash and medical assistance for low-income elderly and individuals with disabilities, including children. The rate is per 1,000 children ages 0-17 in 2015.

*Source: Michigan Department of Health and Human Services, Special Run for December 2016*

### **Children Served by Early On**

The number reflects children ages 0-2 who were enrolled in Early On in the fall of 2016. The percentage is based on the estimated population for ages 0-2 in 2015. These data are reported by Intermediate School District (ISD); 40 counties have county data, while 43 have their ISD total listed.

*Source: Michigan Department of Education*

## **DEFINITIONS**

**Population Estimates:** Rates for non-census years are based on population estimates from the Census Bureau.

**Rates:** 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 they are less likely to be distorted than rates based on single-year numbers; this three-year averaging also allows rates to be calculated for many counties with small populations. Rates based on small numbers of events and small populations can vary dramatically and are not statistically reliable for projecting trends or understanding local impact.

**Percentage Change:** Change is calculated by dividing the difference between the recent and base-year rates by the base-year rate,  $(\text{recent rate} - \text{base rate}) / \text{base rate}$ . Rising rates indicate worsening conditions for children on measures 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; calculations using rounded rates may not produce identical results.

**Rank** is assigned to a county indicator based on the rounded rate of the most recent year reported or annual average. A rank of No. 1 is the “best” rate on the measure. Only counties with a rate in the most recent year are ranked on a given indicator. Ranks do not include infant mortality or child and teen deaths due to the lack of available data in many counties.