



**Early Childhood Iowa
Indicators and Data Dictionary
Tool K(B)
Effective November 5, 2021**

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RESULT: HEALTHY CHILDREN

Indicator: Low Birth Weight

Definition: Babies born who weigh under 2,500 grams.

- **Numerical Method of Measurement:** Percentage of babies born who weigh under 2,500 grams
- **Numerator:**
 - Definition: Live births, birth weight under 2,500 grams or 5lbs. 9 oz.
 - Source: Birth Certificates, Vital Statistics of Iowa
 - Agency: Iowa Department of Public Health
- **Denominator:**
 - Definition: Number of live births
 - Source: Birth certificates, Vital Statistics of Iowa
 - Agency: Iowa Department of Public Health
- **Frequency:** Annually
- **Published sources:**
 - Vital Statistics of Iowa

Indicator: Immunized Children

Definition: Rate of Iowa's children immunized by age 2.

NOTE: Data is for patients with a record in the Immunization Registry Information System (IRIS) and the records are in a health care provider's immunization home and the record includes a zip code.

- **Numerical Method of Measurement:** Rate of children immunized in Iowa by age
- **Numerator:**
 - Definition: Iowa children who are fully immunized according to the CDC Child and Adolescent Immunization Schedule.
 - Immunization records are in IRIS and the records is in a health care provider's immunization home and include a zip code.
 - Source: Iowa Immunization Program Annual Report, Annual publication
 - Agency: Iowa Department of Public Health/Bureau of Immunization and Tuberculosis
- **Denominator:**
 - Definition: All children with a record in the Immunization Registry Information System (IRIS) and the records are in a health care provider's immunization home and the record includes a zip code.
 - Source: Iowa Immunization Program Annual Report, Annual publication
 - Agency: Iowa Department of Public Health/Bureau of Immunization and Tuberculosis
- **Frequency:** Annually
- **Published sources:** Iowa Immunization Program Annual Report

Indicator: Dental Services

Definition: Medicaid-enrolled children ages 0-5 who receive dental services

- **Numerical Method of Measurement:** Percentage of Medicaid-enrolled children ages 0-5 who receive a dental service
- **Numerator:**

- Definition: Unduplicated number of children age 0-5 with at least 90 continuous days of Medicaid enrollment who receive at least one dental service (CDT codes D0100 – D9999) by or under the supervision of a dentist
- Source: Centers for Medicaid and Medicare Services (CMS) 416 Report
- Agency: Iowa Department of Public Health (via Department of Human Services)
- **Denominator:**
 - Definition: Number of children ages 0-5 who have been continuously enrolled in Medicaid for at least 90 continuous days
 - Source: Centers for Medicaid and Medicare Services (CMS) 416 Report
 - Agency: Iowa Department of Public Health, (via Department of Human Services)
- **Frequency:** Annually
- **Published sources:** EPSDT Dental Services Report

Childhood Obesity – *Future Consideration*

Add childhood obesity as an indicator of child health. Data from Head Start/Early Head Start is available on this measure; however, it is the recommendation of the component group that additional data sources be sought to provide a representative understanding of childhood obesity in the general population.

Indicator: Infant mortality

Definition: Infant mortality rate for every 1,000 live births

- **Numerator:**
 - Definition: Number of deaths in the first year of life
 - Source: Vital Statistics
 - Agency: IDPH
- **Denominator:**
 - Definition: Number of live births
 - Source: Vital Statistics
 - Agency: IDPH
- **Frequency:** Annually
- **Published sources:**

Indicator: Health and dental providers who accept Medicaid

Definition: Number of Dentists (general) and Pediatricians (specialization) that accept Medicaid for services

- **Numerator:**
 - Definition: Count of dentists (general) or doctors with pediatrics specialization that accept Iowa Medicaid Fee-for –Service coverage within each IA county
 - Source: Iowa Medicaid Provider Search
 - Agency: Iowa Department of Public Health
- **Denominator:**
 - For Dentists: Scaled by 1:10,000 persons in the total population (2019) within each county
 - For Pediatricians: Scaled by 1:1,000 children under age 6 in households within each county (2019)
 - Source: American Community Survey
 - Agency: US Census Bureau
- **Frequency:** Provider lists are updated daily
- **Published sources:** <https://secureapp.dhs.state.ia.us/providersearch/>

RESULT: CHILDREN READY TO SUCCEED IN SCHOOL

Indicator: Early Literacy Skills

Definition: Kindergartners meeting the Fall benchmark for the early literacy universal screening measure requirements of Iowa Code section 279.68 (assessments with demonstrated technical adequacy for universal screening of literacy).

Note: Continue inclusion of IQPPS as an indicator until such time as changes to the monitoring process are finalized and can be further reviewed. Further, it is the recommendation of the Results Accountability Component Group that IQPPS verification be reported as the overall number and percent of programs meeting/not meeting the criteria for verification.

- **Numerical Method of Measurement:** Percent of kindergartners meeting the Fall benchmark for the approved universal screening measure.
- **Numerator:**
 - Definition: Number of Iowa's kindergarten children who perform at or above a level indicating a high probability of success on an end-of-year general outcome measure of literacy.
 - Source: Approved measures (as of 7/14) consist of: Formative Assessment System for Teachers (FAST) composite, AIMSweb Letter Sound Fluency, AIMSweb Letter Naming Fluency, Phonological Awareness and Literacy Screening (PALS-K), Star Early Literacy, or Texas Primary Reading Inventory. Each of Iowa's public school districts will administer one of these measures to all kindergarten children.
 - Agency: Iowa Department of Education
- **Denominator:**
 - Definition: Total number of Iowa's kindergarten children [enrolled as of xx date]
 - Source: Student Information System
 - Agency: Iowa Department of Education
- **Frequency:** Annually
- **Published Sources:** Early Childhood Iowa Annual Report

Indicator: Educational Attainment of Mothers

Definition: Women age 15-50 with a birth in the past 12 months by educational attainment.

Note: The American Community Survey (ACS) is an annual nationwide survey designed to provide communities with reliable and timely demographic, social, economic, and housing data for the nation, states, congressional districts, counties, places, and other localities every year. It is conducted by the U.S. Census Bureau. The ACS universe includes the household population and population living in institutions, college dormitories, and other group quarters.

- **Numerical Method of Measurement:** Number of women reporting the following educational attainment levels: less than high school, high school graduation, some college, bachelor's degree or higher.
- **Frequency:** Annual
- **Published Source:** United States Census Bureau, American Community Survey (ACS) 5-Year Estimates

RESULT: SAFE AND NURTURING FAMILIES

Indicator: Incidence of Child Abuse

Definition: Child Abuse Incidence Rate for Children 5 years and under

Note: According to DHS sources, this data represents the rate per thousand that children were determined to have been abused.

- **Numerical Method of Measure:** Child Abuse Incidence Rate per 1,000 for Children 5 years and under
- **Numerator**
 - Definition: Number of children 0 –5 years of age whose abuse has been confirmed by the Department of Human Services
 - Source: Statewide Tracking of Child Abuse Reports (STAR)
 - Agency: Iowa Department of Human Services
- **Denominator**
 - Definition: Number of total children 0 – 5 years of age
 - Source: US Census
 - Agency: Iowa Department of Human Services
- **Frequency:** Annual
- **Published Sources:** Iowa Department of Human Services
<http://www.dhs.state.ia.us/Partners/Reports/ChildFamilyReports/ChildFamilyReports.html>

Indicator: Teen Births

Definition: Births to mothers under age 20

- **Numerical Method of Measurement:** Percent of all births to mothers under age 20
- **Numerator:**
 - Definition: Number of births to mothers under age 20
 - Source: Birth Certificates, Iowa Vital Statistics
 - Agency: Iowa Department of Public Health
- **Denominator:**
 - Definition: Total number of births to mothers of all ages
 - Source: Birth Certificates, Iowa Vital Statistics
 - Agency: Iowa Department of Public Health
- **Frequency:** Annual, by county number of births and number of births to mothers under Age 20
- **Published Source:** Iowa Vital Statistics

Indicator: Domestic Violence Rate

Definition: Domestic Abuse Rate; and Domestic Abuse Rate where children were present

- **Numerical Method of Measurement:**
 - Domestic Abuse Rate per 100,000
 - Percent of domestic abuse incidents where children were present by no children present, children present but not harmed, children present and harmed
- **Frequency:** Annual
- **Source:** Iowa Department of Public Safety

RESULT: SAFE AND SUPPORTIVE COMMUNITIES

Indicator: Unemployment Rate

Definition: The number of unemployed persons

- **Numerical Method of Measurement:** The percent of unemployed persons
- **Numerator:**
 - Definition: Number of persons 16 years and older who are unemployed.
 - Source: Annual Average Labor Force Summaries
 - Agency: Iowa Workforce Development
- **Denominator:**
 - Definition: Total number of persons 16 years and older employed and unemployed.
 - Source: Annual Average Labor Force Summaries
 - Agency: Iowa Workforce Development
- **Frequency:** Annually
- **Published sources:** Iowa Workforce Development Annual Report and website

Indicator: Children in Poverty

Definition: Children under six years of age living in poverty.

Note: According to KIDS COUNT, the data are based on income received in the 12 months prior to the survey.
SOURCE: State-level data from U.S. Census Bureau, American Community Survey.

- **Numerical Method of Measurement:** Percent of children, under 6, who live in families with incomes below 100 percent of the U.S. poverty threshold, as defined by the U.S. Office of Management and Budget.
- **Numerator:**
 - Definition: Number of children under six years of age living in poverty
 - Source: Kids Count Data Center
- **Denominator:**
 - Definition: Total number of children under six years of age
 - Source: U.S. Census data
- **Frequency:** Annual
- **Published Source:** Kids Count Data Center, <http://www.datacenter.kidscount.org/>

Indicator: Children with health coverage by income level

Definition: Number and Percent of minor children with health coverage by income and poverty level

- **Numerator:**
 - Definition: Number of children with health coverage
 - Source: Small Area Health Insurance Estimates
 - Agency: U.S. Census Bureau
- **Denominator:**
 - **Definition:** Total number of children
 - **Source:** Small Area Health Insurance Estimates
 - **Agency:** U.S. Census Bureau
- **Frequency:** Annually
- **Published sources:** <https://www.census.gov/data-tools/demo/sahie/#/>

Indicator: Percent of all people in poverty

Definition: Percent of people living in poverty

- **Numerator**
 - Definition: Number of people living in poverty
 - Source: American Community Survey, Table B17020
 - Agency: U.S. Census Bureau
- **Denominator**
 - Definition: Total number of people
 - Source: American Community Survey, Table B17020
 - Agency: U.S. Census Bureau
- **Frequency:** Annually
- **Published sources:** American Community Survey, Table B17020

Indicator: Homelessness count

Definition: Sheltered and Unsheltered Point in Time counts of Homeless Individuals by County

- **Numerator:**
 - Definition: Point in Time Counts of sheltered/unsheltered homeless persons within each IA county
 - Source: <https://icalliances.org/pit>
 - Agency: Institute for Community alliances
- **Denominator:**
 - Definition: Scaled by 1:10,000 persons in the total population of the county (2019)
 - Source: American Community Survey Table B01003_001
 - Agency: US Census Bureau
- **Frequency:** Annually
- **Published sources:** <https://www.hudexchange.info/programs/hdx/pit-hic/>

Indicator: Individual birth risks (I2D2 data, pending continued renewal of data sharing agreements)

- **Preterm OR Low Birth Weight**
 - **Definition:** Born prior to 36 weeks gestation or less than 2500 grams at birth
 - **Numerator:**
 - Definition: Count of children noted as preterm or low birth weight
 - Source: Vital statistics
 - Agency: IDPH
 - **Denominator:**
 - Definition: Total number of births in the county
 - Source: Vital statistics
 - Agency: IDPH
 - **Frequency:** Annually
- **Teen mom**
 - **Definition:** Mother giving birth at less than 20 years of age
 - **Numerator:**
 - Definition: Number of children born to a mother who is less than 20 years of age
 - Source: Vital statistics
 - Agency: IDPH
 - **Denominator:**
 - Definition: Total number of births in the county
 - Source: Vital Statistics

- Agency: IDPH
 - **Frequency:** Annually
- **Single mom**
 - **Definition:** Children born to mothers unmarried at the time of delivery
 - **Numerator:**
 - Definition: Number of children born to an unmarried mother
 - Source: Vital statistics
 - Agency: IDPH
 - **Denominator:**
 - Definition: Total number of births in the county
 - Source: Vital Statistics
 - Agency: IDPH
 - **Frequency:** Annually
- **Low maternal education**
 - **Definition:** Children born to mothers over the age of 19 with less than a high school degree (i.e., less than 12 years of school)
 - **Numerator:**
 - Definition: Number of children born to mothers over the age of 19 with less than a high school degree
 - Source: Vital statistics
 - Agency: IDPH
 - **Denominator:**
 - Definition: Total number of births in the county
 - Source: Vital Statistics
 - Agency: IDPH
 - **Frequency:** Annually
- **Inadequate prenatal care**
 - **Definition:** Children born to mothers who received no prenatal care during the first trimester or who had fewer than four prenatal visits in total
 - **Numerator:**
 - Definition: Number of children born to mothers who received no prenatal care during the first trimester or who had fewer than four prenatal visits in total
 - Source: Vital statistics
 - Agency: IDPH
 - **Denominator:**
 - Definition: Total number of births in the county
 - Source: Vital Statistics
 - Agency: IDPH
 - **Frequency:** Annually
- **Prenatal tobacco exposure**
 - **Definition:** Children born to mothers who used tobacco in the three months prior to pregnancy or at any time during pregnancy
 - **Numerator:**
 - Definition: Number of children born to mothers who used tobacco in the three months prior to pregnancy or at any time during pregnancy
 - Source: Vital statistics
 - Agency: IDPH
 - **Denominator:**

- Definition: Total number of births in the county
 - Source: Vital Statistics
 - Agency: IDPH
- **Frequency:** Annually
- **Poverty at birth**
 - **Definition:** Children whose mothers were receiving WIC or Medicaid at the time of birth
 - **Numerator:**
 - Definition: Number of children whose mothers were receiving WIC or Medicaid at the time of birth
 - Source: Vital statistics
 - Agency: IDPH
 - **Denominator:**
 - Definition: Total number of births in the county
 - Source: Vital Statistics
 - Agency: IDPH
 - **Frequency:** Annually

Indicator: Cumulative birth risks (I2D2 data, pending continued renewal of data sharing agreements)

- **0, 1, 2+ or 3+ risks**
 - **Definition:** Count of individual birth risks (i.e., poverty, preterm/LBW, inadequate prenatal care, single mom, teen mom, low maternal education, prenatal tobacco). *Note.* This indicator has a maximum possible score of 6 as low maternal education and teen mother were mutually exclusive.
 - **Numerator:**
 - Definition: Number of children with each count of individual birth risks
 - Source: Vital statistics
 - Agency: IDPH
 - **Denominator:**
 - Definition: Total number of births in the county
 - Source: Vital Statistics
 - Agency: IDPH
 - **Frequency:** Annually

Indicator: Unduplicated counts of preschool participation (I2D2 data, pending continued renewal of data sharing agreements)

Definition: Count of children who have at least one formal, early childhood educational experience (including Head Start, Statewide Voluntary Preschool, or private preschool) the year before entering kindergarten

- **Numerator:**
 - Definition: Number of children who are enrolled in at least one formal, early childhood educational experience the year before kindergarten enrollment
 - Sources: Enrollment records from the Department of Education, Head Start grantees, and Department of Human Services child care databases
 - Agencies: DE, Head Start (all grantees), and DHS
- **Denominator:**
 - Definition: Total number of children enrolled in public school kindergarten
 - Source: Kindergarten enrollment
 - Agency: DE
- **Frequency:** Annually

RESULT: SECURE AND NURTURING EARLY LEARNING ENVIRONMENTS

Indicator: Quality Early Learning Environments

Definition: Quality early learning environments that are NAEYC (National Association for the Education of Young Children) or NAFCC (National Association of Family Child Care) accredited and/or meet Head Start program performance standards, and/or verified QPPS sites, and/or have achieved QRS level 4-5.

- **Numerical Method of Measurement:** Number of quality early learning environments that are NAEYC (National Association for the Education of Young Children) or NAFCC (National Association of Family Child Care) accredited and/or meet Head Start program performance standards, and/or verified QPPS sites, and/or have achieved a QRS level 4-5.
- **Frequency:** Annually
- **Published Sources:** Early Childhood Iowa Annual Report

Indicator: Availability of Child Care

Definition: The number of "slots" or "spaces" potentially available for a child in a licensed or registered setting.

Note: According to DHS sources, the number of slots represents the statewide capacity of licensed and registered childcare providers. Homes are allowed to care for additional children for special situations, such as snow days, before and after school care, and emergency care. Data collection does not include additional children for special situations.

- **Numerical Method of Measure:** Count of licensed or registered child care slots available
- **Definition:** Number of child care slots available for children, 0 – 13 years of age, in licensed and registered provider settings. The data is based on point-in-time, with the 1998 and 1999 data drawn in August of each of those years.
 - Source: Department of Human Services DCPDMAST report
 - Agency: Department of Human Services
- **Frequency:** Upon request, point-in-time
- **Published sources:** Goudy, Burke & Hanson

Indicator: Working Parents

Definition: Children under six years of age, with all parents in the workforce

- **Numerical Method of Measure:** Percent of children under 6 years with all parents in the labor force
- **Frequency:** Annual
- **Published Source:** American Community Survey, Table B-23008, www.census.gov