

**Summary of Indicators for Missouri's  
Early Childhood Comprehensive System  
November 2010**

<b>Goal 1: Missouri's young children will have their basic needs met.</b>
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<b>Performance Measure #1</b>	Percentage of children under 6 years in poverty in Missouri
<b>Current Result</b>	23% in 2008
<b>Definition and Current Data</b> <sup>1</sup>	<p><b>Numerator:</b> Number of children under 6 years in Missouri whose family income is at less than 100% of the Federal Poverty Level (FLP)<sup>2</sup></p> <p>In 2008, 107,585 Missouri children under 6 years were living at less than 100% of the Federal Poverty Level (FPL).</p> <p><b>Denominator:</b> Total number of children under 6 years in Missouri</p> <p>In 2008, a total of 470,997 children under age 6 resided in Missouri (NCCP Average).<sup>3</sup></p>
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<b>Performance Measure #2</b>	Percentage of children under 6 years in Missouri with a preponderance of evidence (POE) of child abuse or neglect
<b>Current Result</b>	0.55% in 2009
<b>Definition and Current Data</b>	<p><b>Numerator:</b> Number of children under 6 years in Missouri with a POE of child abuse or neglect<sup>4,5</sup></p> <p>In 2009, 2,636 children under 6 years in Missouri had a POE of child abuse or neglect.</p> <p><b>Denominator:</b> Total number of children under 6 years in Missouri<sup>6</sup></p> <p>In 2009, there were 482,354 children under 6 years in Missouri (Census Bureau population estimate).</p>
<b>Healthy People 2020 Objective</b>	<p><a href="#">IVP HP2020-29</a>: Reduce nonfatal child maltreatment; and</p> <p><a href="#">IVP HP2020-30</a>: Reduce child maltreatment deaths.</p>

<sup>1</sup> Data Source: National Center for Children in Poverty (NCCP), Mailman School of Public Health, Columbia University, Missouri Demographics of Young, Poor Children: [http://www.nccp.org/profiles/MO\\_profile\\_9.html](http://www.nccp.org/profiles/MO_profile_9.html)

<sup>2</sup> Children living in group quarters and children living with only unrelated adults are excluded from these data.

<sup>3</sup> State data were calculated from the Annual Social and Economic Supplement (the March supplement) of the Current Population Survey from 2007, 2008, and 2009, representing information from calendar years 2006, 2007, and 2008. NCCP averaged three years of data because of small sample sizes in less populated states.

<sup>4</sup> Data Source: Missouri DSS Children's Division *Child Abuse and Neglect Annual Report*, <http://www.dss.mo.gov/re/canar.htm>

<sup>5</sup> The numerator may include duplication due to multiple reports for the same child.

<sup>6</sup> Data Source: Current Census Bureau population estimates obtained from Department of Health and Senior Services, Division of Community and Public Health, Section of Epidemiology for Public Health Practice, Bureau of Health Informatics.

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<b>Goal 2: Missouri's children are raised in a stable, supportive, and nurturing family environment.</b>
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<b>Performance Measure #1</b>	Percentage of children under 6 years in Missouri who have experienced multiple risk factors
<b>Current Result</b>	9% in 2008
<b>Definition and Current Data</b> <sup>7</sup>	<p><b>Numerator:</b> Number of children under 6 years in Missouri who have 3 or more of the following risk factors:</p> <ul style="list-style-type: none"> <li>• Single parent family</li> <li>• Living in poverty</li> <li>• Linguistically isolated household</li> <li>• Parents have less than a high school education</li> <li>• Parents have no paid employment</li> </ul> <p>Specific numerator information not available.</p> <p><b>Denominator:</b> Total number of children under 6 years in Missouri</p> <p>Specific denominator information not available.</p>

<b>Performance Measure #2</b>	Percentage of births in Missouri where the mother had at least a high school education <sup>8,9,10,11</sup>
<b>Current Result</b>	81.9% in 2008
<b>Definition and Current Data</b> <sup>12</sup>	<p><b>Numerator:</b> Number of births in Missouri where the mother reported an education status of 12 years or more</p> <p>In 2008, for 65,490 births the mother reported completing 12 or more years of education.</p> <p><b>Denominator:</b> Total number of births in Missouri where the mother reported her education status</p> <p>In 2008, mothers reported their highest education level for 79,957 births.</p>
<b>Healthy People 2020 Objective</b>	<a href="#">ECBP HP2020-1</a> : Increase high school completion

<sup>7</sup> Data Source: National Center for Children in Poverty, [http://www.nccp.org/profiles/MO\\_profile\\_16.html](http://www.nccp.org/profiles/MO_profile_16.html)

<sup>8</sup> The number of births was chosen as proxy data to represent the number of birthmothers. The education level of the mother for each live birth is readily available in DHSS MICA. The data unduplicated for multiple births and for repeated births within the same year are not readily available. When statistical methods were applied to compare the data related to the education level for birthmothers to births, the difference in percentages was not statistically significant.

<sup>9</sup> Multiple and repeated births from one birthmother are duplicated in both the numerator and denominator of this indicator.

<sup>10</sup> The birthmothers for whom education was unreported at the time of delivery are excluded from both the numerator and the denominator of this indicator.

<sup>11</sup> The numerator and denominator are limited to Missouri residents who delivered during the identified year.

<sup>12</sup> Data Source: Missouri DHSS Birth MICA, <http://www.dhss.mo.gov/mica/birth.php>

## Summary of Indicators for Missouri's Early Childhood Comprehensive System November 2010

<b>Goal 3: Missouri's children have access to high quality early childhood programs.</b>
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**Performance Measure #1**      Percentage of licensed and license-exempt/inspected child care and early learning programs in Missouri that are accredited <sup>13</sup>

**Current Result**                      12.4% in 2009

**Definition and Current Data** <sup>14</sup>      **Numerator:** Number of accredited child care and early learning programs in Missouri

As of December 2009, 525 licensed or license-exempt/inspected child care and early learning programs in Missouri were accredited.

**Denominator:** Number of licensed and license-exempt/inspected child care and early learning programs in Missouri

As of December 2009, there were 4,224 licensed or license-exempt/inspected child care and early learning programs in Missouri.

Accredited Child Care and Early Learning Programs in Missouri, December 2009 <sup>15</sup>							
Regulation	Program Type	MoA	NAEYC	NAFCC	NAA/COA	NECPA	Dual
<b>License-Exempt/Inspected</b>							
	Center	12	7				1
	Preschool	15	1				
	School Age Program	2					
<b>Licensed</b>							
	Center	231	117			3	4
	Family Home	8		56			
	Group Home	3		9			
	Preschool	36					
	School Age Program	13			17		
<b>Grand Total</b>		<b>320</b>	<b>125</b>	<b>65</b>	<b>17</b>	<b>3</b>	<b>5<sup>16</sup></b>

Licensed and License-Exempt/Inspected Child Care and Early Learning Programs in Missouri, December 2009			
Licensed Programs		License-Exempt/Inspected Programs	
Licensed Centers	1,532	License-Exempt Centers	378
Licensed Group Homes	182		
Licensed Preschools	65	License-Exempt Preschools	151
Licensed Family Child Care	1,521		
Licensed School Age Programs	377	License-Exempt School Age Programs	18
<b>Total Licensed</b>	<b>3,677</b>	<b>Total License Exempt/Inspected</b>	<b>547</b>

<sup>13</sup> Unregulated facilities are not included.

<sup>14</sup> Data Source: Child Care Aware of Missouri (formerly Missouri Child Care Resource and Referral Network), <http://mo.childcareaware.org/Default.aspx?TabID=97>. Data are available upon request.

<sup>15</sup> MoA=Missouri Accreditation, NAEYC=National Association for the Education of Young Children, NAFCC=National Association for Family Child Care, NAA/COA=National Afterschool Association/ Council on Accreditation, NECPA=National Early Childhood Program Accreditation. Dual refers to the number of programs accredited by two entities.

<sup>16</sup> Reducing the total of all accreditations by this number provides the total number of accredited programs.

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**Goal 4: Missouri's children have a source of coordinated, comprehensive, and family-centered primary health care and services.**

<b>Performance Measure #1</b>	Percentage of children under 6 years with a medical home <sup>17</sup>
<b>Current Result</b>	72.2% in 2007
<b>Definition and Current Data</b> <sup>18</sup>	<p><b>Numerator:</b> Number of children under 6 years in Missouri with a medical home</p> <p>In 2007, an estimated 322,804 of Missouri children under 6 years have a medical home (National Survey of Children's Health).</p> <p><b>Denominator:</b> Total number of children under 6 years in Missouri</p> <p>In 2007, there were an estimated 446,819 children under 6 years in Missouri (National Survey of Children's Health).</p>
<b>Healthy People 2020 Objective</b>	<a href="#">AHS HP2020-3</a> : Increase the proportion of persons with a usual primary care provider.

<b>Performance Measure #2</b>	Percentage of children under 6 years in Missouri with health insurance
<b>Current Result</b>	95.8% in 2007
<b>Definition and Current Data</b> <sup>19</sup>	<p><b>Numerator:</b> Number of children under 6 years in Missouri with health insurance</p> <p>In 2007, an estimated 438,802 of Missouri children under 6 years have health insurance (National Survey of Children's Health).</p> <p><b>Denominator:</b> Total number of children under 6 years in Missouri</p> <p>In 2007, there were an estimated 458,272 children under 6 years in Missouri (National Survey of Children's Health).</p>
<b>Healthy People 2020 Objective</b>	<a href="#">AHS HP2020-1</a> : Increase the proportion of persons with health insurance.

<sup>17</sup> Medical home is primary care that is accessible, continuous, comprehensive, family centered, coordinated, compassionate, and culturally effective. In a medical home, a pediatric clinician works in partnership with the family/patient to assure that all of the medical and non-medical needs of the patient are met. Through this partnership, the pediatric clinician can help the family/patient access and coordinate specialty care, educational services, out-of-home care, family support, and other public and private community services that are important to the overall health of the child/youth and family. For more information, visit <http://www.medicalhomeinfo.org>.

<sup>18</sup> Data Source: National Survey of Children's Health Data Resource Center, Missouri profile, <http://www.nschdata.org/DataQuery/DataQueryResults.aspx>. This information is reported in *The Health and Well-Being of Children: A Portrait of States and the Nation 2007*. July 2009, published by U.S. Department of Health and Human Services Health Resources and Services Administration (HRSA).

<sup>19</sup> Data Source: National Survey of Children's Health Data Resource Center, Missouri profile, <http://www.nschdata.org/DataQuery/DataQueryResults.aspx>. This information is reported in *The Health and Well-Being of Children: A Portrait of States and the Nation 2007*. July 2009, published by U.S. Department of Health and Human Services Health Resources and Services Administration (HRSA).

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<b>Goal 5: Missouri's children are socially and emotionally healthy.</b>
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<b>Performance Measure #1</b>	Of the children enrolled in Head Start or Early Head Start in Missouri who had individual mental health assessments, the percentage who had referrals facilitated for mental health
<b>Current Result</b>	54.7% in the Head Start Program Year 2008-2009
<b>Definition and Current Data</b> <sup>20</sup>	<p><b>Numerator:</b> Children enrolled in Head Start or Early Head Start in Missouri with referrals facilitated for mental health</p> <p>During the Head Start Program Year 2008-2009, 1,013 enrolled children had referrals facilitated for mental health.</p> <p><b>Denominator:</b> Children enrolled in Head Start or Early Head Start in Missouri with individual mental health assessments</p> <p>During the Head Start Program Year 2008-2009, 1,851 enrolled children had individual mental health assessments.</p>
<b>Healthy People 2020 Objective</b>	<a href="#">MHMD HP2020-6</a> : Increase the proportion of children with mental health problems who receive treatment.

<b>Performance Measure #2</b>	Percentage of children under 6 years in Missouri who are eligible for Medicaid that received at least one initial or periodic screen.
<b>Current Result</b>	69.47% in 2009
<b>Definition and Current Data</b>	<p><b>Numerator:</b> Number of children under 6 years in Missouri who are eligible for Medicaid that received at least one initial or periodic screen<sup>21</sup></p> <p>In 2009, 173,852 unduplicated children under the age of 6 eligible for Medicaid statewide received at least one initial or periodic screen.</p> <p><b>Denominator:</b> Total number of children under 6 years in Missouri who are eligible for Medicaid<sup>22</sup></p> <p>In 2009, there were 250,258 unduplicated children under the age of 6 years eligible for Medicaid statewide.</p>
<b>Healthy People 2020 Objective</b>	<a href="#">MHMD HP2020-6</a> : Increase the proportion of children with mental health problems who receive treatment.

<sup>20</sup> Data Source: The Head Start *Program Information Report (PIR)* is the official report compiled by contractors (XTRIA) for the Office of Head Start. These data are compiled annually at the end of August and made available to the Missouri Head Start-State Collaborative Office in October of each year.

<sup>21</sup> Data Source: Missouri Department of Social Services Family Support Division, MO HealthNet Division. EPSDT data from FORM CMS-416: Annual EPSDT Participation Report (Social Services) which is available from MO HealthNet and at <http://www.cms.gov> Choose Medicaid Early Periodic Screening; then State Agency Responsibilities.

<sup>22</sup> Data Source: Missouri Department of Social Services Family Support Division, MO HealthNet Division.